HYDROGEOLOGIC REPORT FOR NPDES PERMIT FOR INCREASED DISCHARGE FOR THE CITY OF MESA NORTHWEST WATER RECLAMATION PLANT

Draft Report for Review Purposes Only

Prepared for:

UTILITY OPERATIONS
CITY OF MESA
Mesa, Arizona

Prepared by:

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May 2000

May 22, 2000

Mr. Bill McCarthy
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Re: Hydrogeologic Report for Revised NPDES Permit for the City of Mesa Northwest Water Reclamation Plant

Dear Bill:

Submitted herewith is the draft hydrogeologic report for the NPDES permit for increased discharge for the Northwest Water Reclamation Plant. We appreciate the cooperation of City staff in providing information for this report.

Sincerely yours,

Kenneth D. Schmidt

KDS/sll

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HYDROGEOLOGIC REPORT FOR NPDES PERMIT FOR INCREASED DISCHARGE FOR THE CITY OF MESA NORTHWEST WATER RECLAMATION PLANT

INTRODUCTION

The City of Mesa Northwest Water Reclamation Plant (NWWRP) is located south of the Red Mountain Freeway and east of the Price Freeway. The NWWRP became operational in December 1990 and about 3 to 4 mgd of effluent were normally discharged to several percolation basins located west of the plant and south of the Salt River. The recharge capacity at these basins was limited by a shallow restricting layer that is present beneath part of the bottoms of the basins, and periodically by shallow groundwater associated with Salt River streamflow. In Fall 1997, discharge of effluent to the Salt River channel began.

The existing permits are for an underground storage of 8 mgd of reclaimed water from the NWWRP. The remainder of the permitted 8 mgd of reclaimed water that cannot be percolated in the existing basins south of the Salt River is discharged to Salt River Pima Maricopa Indian Community (SRIC) lands in the Salt River channel. A NPDES permit has been obtained for this discharge. A pilot project has been proposed to recharge 8 mgd of the reclaimed water on about 50 acres of SRIC lands that are located east of the Price Freeway and north of the North Hardbank, on the north side of the Salt River. If the results of the pilot project are favorable, and

the appropriate permits can be obtained, then the project would be expanded to a larger 127-acre site. The capacity of the NWWRP is to be increased to 18 mgd. This report evaluates discharge of all of the 18 mgd effluent from the NWWRP to the Salt River channel, which would only be done when the Salt River is flowing. The study area selected for hydrogeologic evaluation of the proposed project is bounded by Thomas Road on the north, North Miller Road on the west, Broadway Road on the south, and Horne Road on the east. There are three outfalls that would be used along the Salt River, between Price and Alma School Roads.

GROUNDWATER CONDITIONS

Kenneth D. Schmidt and Associates (1987) prepared the original hydrogeologic report for the NWWRP. An addendum to this report was prepared in May 1987, to address questions raised by the reviewing agencies. HydroSystems, Inc. (1995) prepared a report discussing the water-level impacts of the first four years of operation of the NWWRP. Substantial hydrogeologic information is available in parts of the study area from studies in three Superfund areas in the east part of the Salt River Valley. South Pass Resources, Inc. (1996) has presented recent water-level maps for the North Indian Bend Wash area, which is north of McKellips Road and west of Pima Road, northwest of the proposed recharge site. CH_2M-Hill (1995) pre-

sented hydrogeologic information on the South Indian Bend Wash area, which is located south of the Salt River and west of Price Road, southwest of the proposed recharge site. Kenneth D. Schmidt and Associates (1991 and 1996) presented hydrogeologic information on the Motorola, Inc. Mesa Center, which is located south of Apache Trail and east of Price Road, southeast of the proposed recharge site. Kenneth D. Schmidt and Associates prepared a draft hydrologic report for the ADWR permit application for the pilot project in April 1997.

Well Locations and Types

Drillers logs for wells in the study area were collected from the Arizona Department of Water Resources, and copies are provided in Appendix A. The ADWR Ground-Water Site Inventory Printout of July 15, 1999 and Well Report Printout of June 29, 1999 were obtained. Location of large-capacity water supply wells and monitor wells in the study area are shown in Figure 1. There are three large concentrations of monitor wells in the study area, corresponding to the three Superfund sites. Information on construction of the wells is provided as a well inventory in Appendix A.

There are two City of Scottsdale and one City of Tempe public supply wells in the part of the study area northwest of the pro-

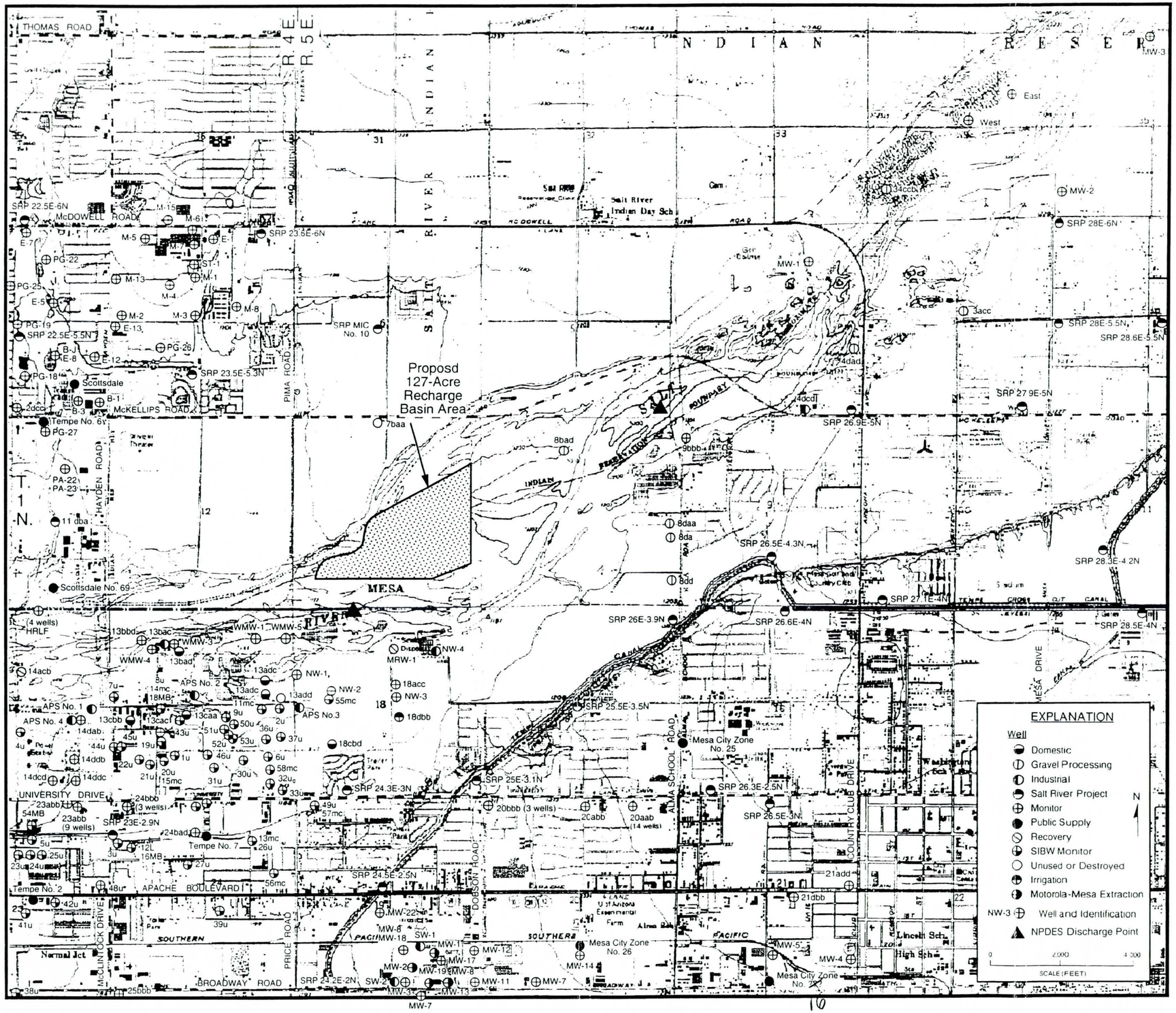

FIGURE 1 - LOCATION OF WATER SUPPLY AND MONITOR WELLS

posed recharge site. The closest of these is located about one and a half miles west of the proposed recharge site. There are two City of Tempe public supply wells southwest of the proposed recharge site. The closest of these is about one and three-quarter miles from the proposed recharge site. There are three City of Mesa public supply wells southeast of the proposed recharge site. The closest of these is located about one and three quarter miles southeast of the proposed recharge site. There are five irrigation wells northwest of the proposed recharge site, and the closest is about one and a half miles from the proposed recharge site. There are numerous SRP wells south of the proposed recharge site, and most of these are east of the Tempe Canal. The closest of these wells is about one and a half mile from the proposed recharge site.

Subsurface Geologic Conditions

Geologic logs are generally available for all of the monitor wells and for more recent City and SRP wells in the study area. In addition, geologic logs for numerous soil borings are available in the study area. The most relevant of these to the proposed project are as follows: 1) at the 127-acre proposed percolation basin area north of the Salt River and east of the Pima Freeway, 2) along the Pima Freeway Bridge over the Salt River, 3) along the Red Mountain Freeway south of the 127-acre area, and 4) at and near the existing

percolation basins for the NWWRP. Geologic logs for these borings are provided in Appendix B. Logs for some of the soil borings and one monitor well were used to develop two new subsurface geologic cross sections for the evaluation, showing conditions above a depth of about 90 to 130 feet. Before these sections are discussed, regional subsurface geologic conditions are first described.

Major Units

Hydrogeologic studies as part of the Remedial Investigations at the Indian Bend Wash Superfund areas and at the Motorola, Inc. Center in Mesa have indicated that three major geologic units are present in the vicinity. The uppermost deposits, extending to depths ranging from about 125 to 180 feet, is termed herein the Upper Alluvial Unit (UAU). These strata are primarily boulders, cobbles, gravel, and sand, deposited by the ancestral Salt River, although some clay is present at some locations. At pilot recovery well MRW-1 at the NWWRP, the base of the UAU is indicated to be about 180 feet deep. When a significant thickness of deposits of the UAU are below the water table, they comprise a prolific aquifer. The underlying deposits of the Middle Alluvial Unit (MAU) are finer-grained, and extend to depths ranging from about 550 to 750 feet in the area. These deposits are normally clay, sandy clay, mixtures of fine sand, silt, and clay, and some relatively thin sand layers. Deposits of the MAU in the vicinity of the NWWRP

and to the south often function as a confining bed, because of their low vertical hydraulic conductivity (Kenneth D. Schmidt and Associates (1988). At MRW-1 and in the vicinity of the new percolation ponds, sandy clay or clayey sand is predominant in the MAU. The underlying deposits of the Lower Alluvial Unit (LAU) are slightly to moderated cemented gravel and sand, which extend to a depth exceeding 1,200 feet in the vicinity. Deposits of the LAU comprise a prolific aquifer and are tapped by most of the large-capacity wells in the area. Many large-capacity wells in the vicinity were drilled deep enough to tap several hundred feet of this unit, for purposes of adequate water production during drought periods.

Two subsurface geologic cross sections were developed during the hydrogeologic report for the original NWWRP project (Kenneth D. Schmidt and Associates, 1987, Plates 3 and 4). These sections indicate that the deposits of the UAU thicken to the south. These deposits are about 140 to 180 feet thick beneath the new percolation ponds. The top of the deposits of the LAU deepens to the north, and near the new percolation ponds is estimated to be about 550 feet below the land surface.

The location of a subsurface geologic cross section that was developed as part of this evaluation is shown in Figure 2.

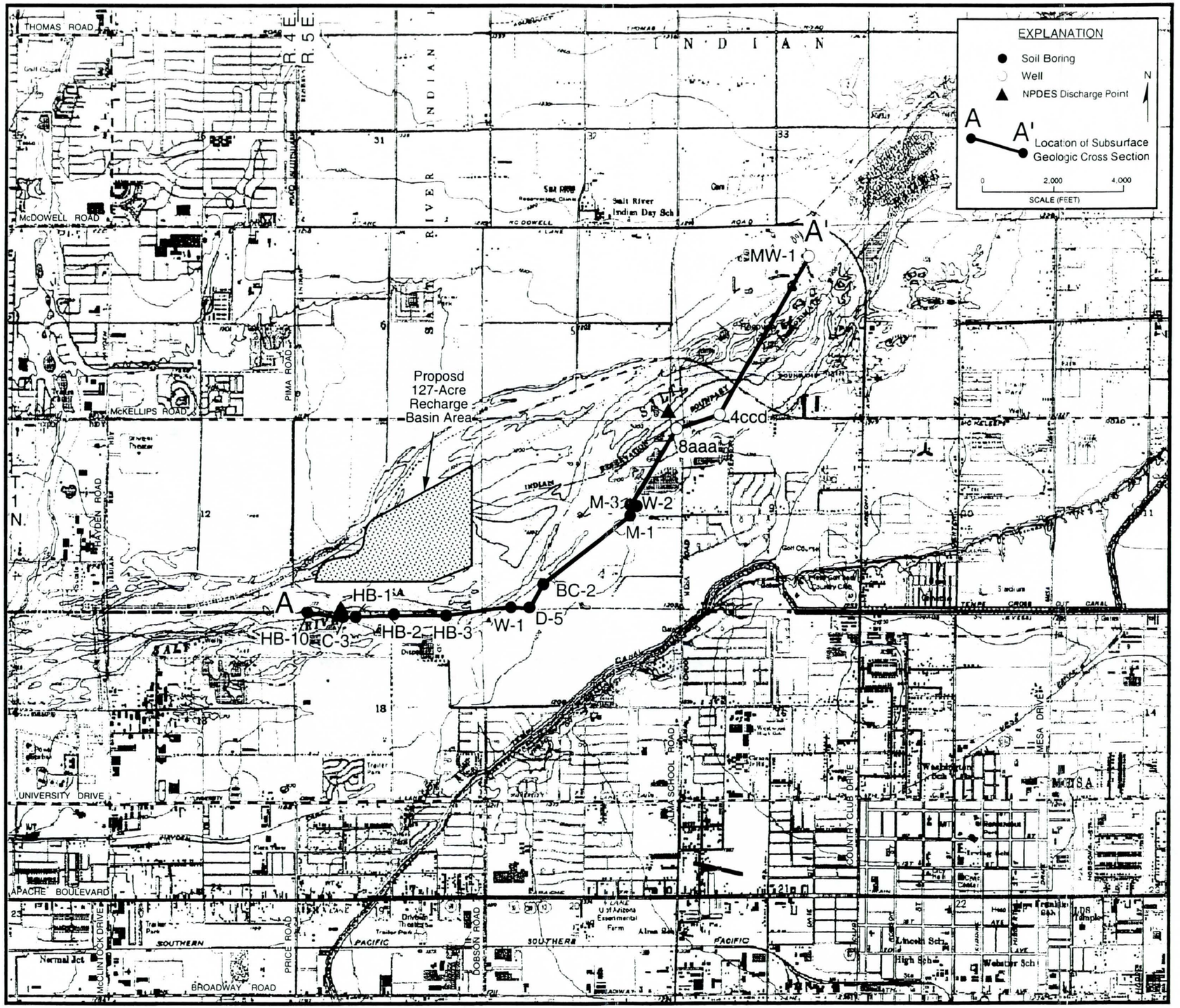

FIGURE 2 - LOCATION OF SUBSURFACE GEOLOGIC CROSS SECTION

Section A-A' (Figure 3) extends from near the Pima Freeway to the east, generally along the Red Mountain Freeway, to near Country Club Drive. This section indicates that coarse-grained deposits (primarily sand, gravel, and boulders) are predominant above a depth ranging from more than 100 feet. Some intermixed clay is present along the east part of this section. In 1999, water levels were about 20 feet above the top of the MAU along the east part of this section.

Water Levels

A regional water-level map for the shallow groundwater (in the UAU) in the Salt River Valley in 1972 was presented by the U.S. Bureau of Reclamation (1976). This map generally indicated a west-northwest or northwest direction of groundwater flow in the part of the study area north of the Salt River. South of the Salt River, the direction of groundwater flow was indicated to be to the south-west. More recent water-level maps for the three Superfund areas, based on shallow monitor wells tapping only the UAU, provide the best information on the direction of groundwater flow in this unit. Quarterly water-level elevation contour maps prepared by South Pass Resources, Inc. cover much of the area north of McKellips Road and west of the Pima Freeway. The direction of groundwater flow in the UAU in this area has generally been to the west-northwest in recent

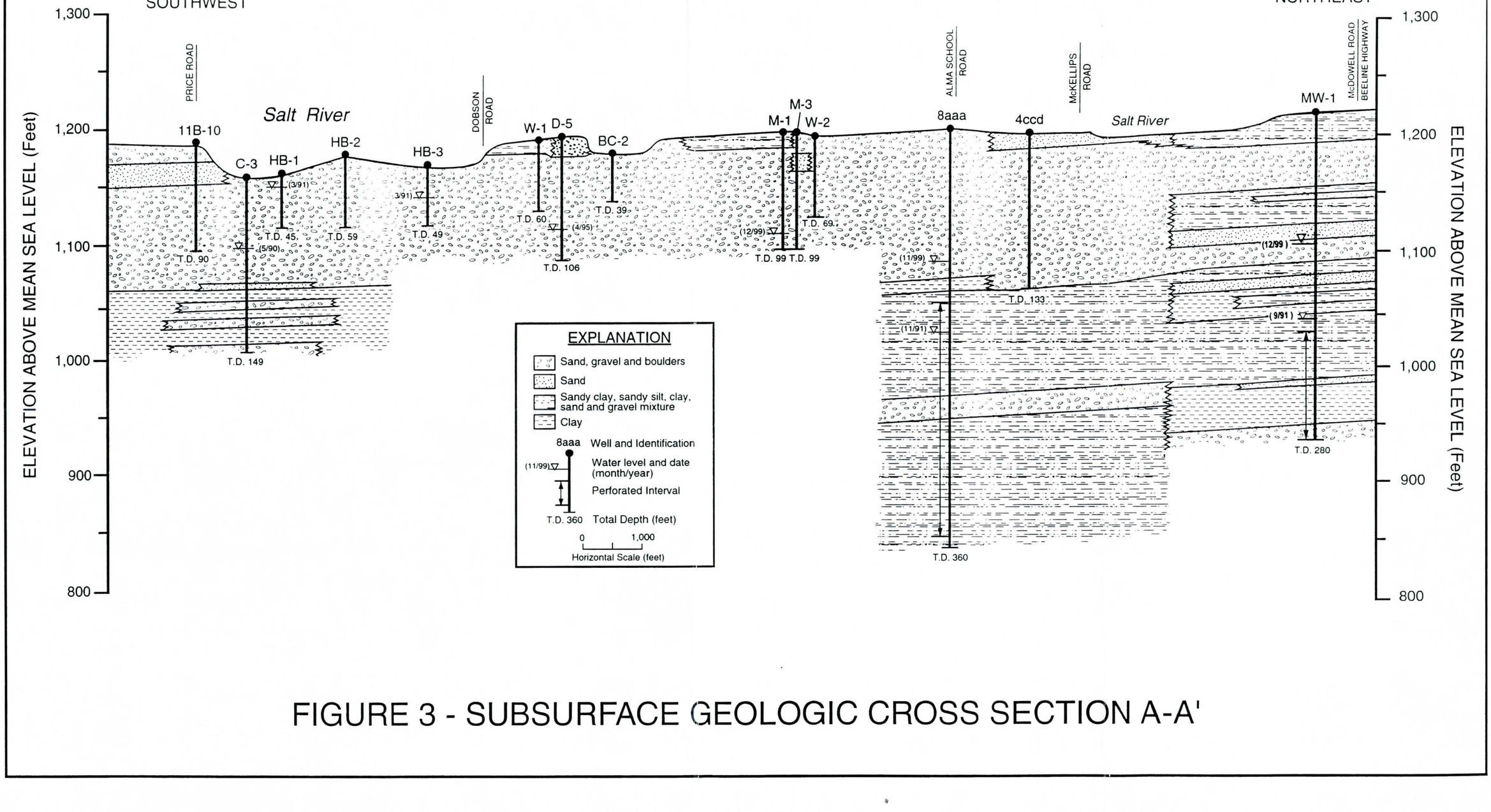

FIGURE 3 - SUBSURFACE GEOLOGIC CROSS SECTION A-A'

years. Other maps indicate that the direction of groundwater flow in the MAU in this part of the study area has generally been in the same direction as in the UAU. Other maps indicate that the direction of groundwater flow in the LAU has generally been to the north in this part of the study area.

CH_2M-Hill (1995) presented water-level elevation contour maps for the UAU in the part of the study area that is west of Price Road and south of the Salt River. The direction of groundwater flow in recent years in this part of the study area has normally been to the south or south-southeast.

Water-level maps for the UAU in the part of the study area south of Apache Trail and east of Price Road are available since the mid 1980's, as part of studies at the Motorola, Inc. Mesa Center (Kenneth D. Schmidt and Associates, 1991 and 1996). These maps have indicated a southerly to south-southwest direction of groundwater flow, except during periods of heavy pumping of SRP wells in the area. During such periods, the direction of flow has been temporarily reversed, and has been to the north, toward the SRP wells along the Tempe Canal. Regional water-level elevation contour maps indicate that the direction of groundwater flow in the LAU is to the southeast in this part of the study area.

Figure 4 is a water-level elevation map for the UAU in the study area for January-February, 1999. In the northeast part of

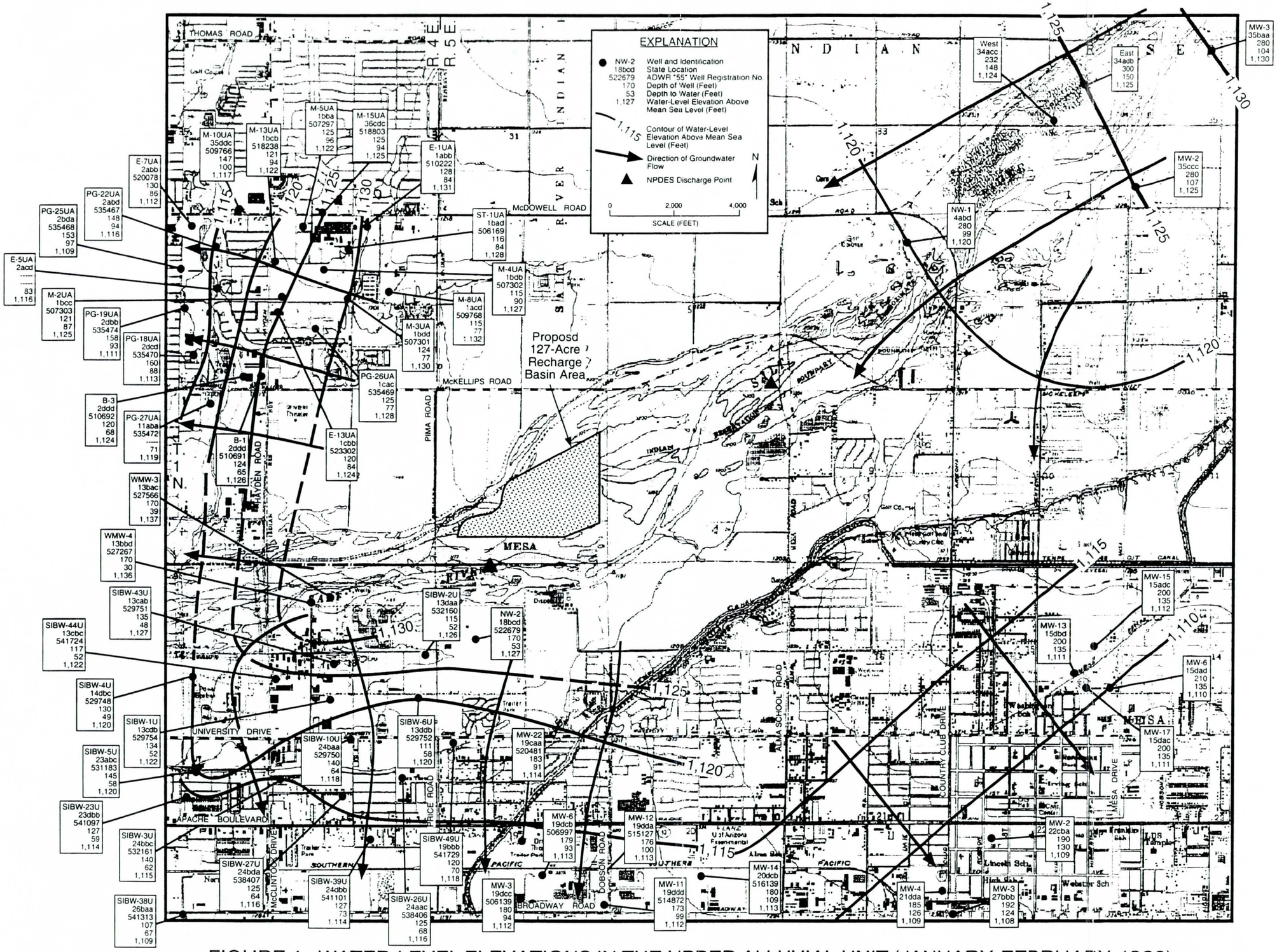

FIGURE 4 - WATER-LEVEL ELEVATIONS IN THE UPPER ALLUVIAL UNIT (JANUARY-FEBRUARY, 1999)

the area, the direction of groundwater flow was to the southwest, due to recharge east of Gilbert Road for the Granite Reef Underground Storage Project. In the western part of the area, the direction of groundwater flow was away from the Salt River, as expected. The direction of groundwater flow north of the river was to the west-north-west. South of the Salt River, the direction of groundwater flow was to the south or southeast.

Vertical Head Gradients

Adequate measurements are available in the area to determine vertical head gradients, and the closest applicable measurements to the NWWRP are from the Mesa Center and the South Indian Bend Wash area. Comparison of historic water-level elevations in the UAU with those in the LAU indicate typical head differences. Water-level elevations in the LAU have been well below those in the UAU during the past decade. A downward head gradient is thus present, which is typical of the Salt River Valley. During periods of little or no pumpage of irrigation and City wells in the area, the head difference has averaged about 30 feet. However, during heavy pumping periods of these wells, the head difference has been as much as 100 feet and has averaged about 70 feet. Considering an estimated thickness of the MAU at the proposed recharge site of about 400 feet, the downward head gradient is indicated to average about 8 feet per 100 feet during periods of little pumpage from

irrigation and City wells in the area to 25 feet per 100 feet during periods of heavy pumping.

Water-Level Hydrographs

Water-level records are available from 1978 to 1992 for Well (A-1-5)7baa, which is located about two thirds of a mile north of the 127-acre proposed recharge basin area. Records indicate that this well is 235 feet deep, and no information is available on the perforated interval. A water-level hydrograph for this well is provided in Figure 5. Periods of streamflow releases down the Salt River are also shown on the hydrograph. Depth to water in this well ranged from about 50 feet during periods of streamflow in the Salt River to more than 100 feet during periods of no streamflow and heavy pumping of irrigation wells in the area. Once streamflow started, the water level rose relatively quickly and significantly. Once streamflow ended, water levels generally fell quickly, such as in 1978, 1979, and 1980. The water-level hydrograph for this well thus indicates the importance of streamflow recharge on groundwater levels in the area within a mile or so of the Salt River.

Water-level hydrographs for three shallow monitor wells tapping the UAU near the NWWRP are shown in Figure 6. Records for all of the wells extend back to at least 1990. Periods of streamflow in the Salt River are also shown. WMW-3 is located adjacent to and south of the Salt River, about two-thirds of a mile

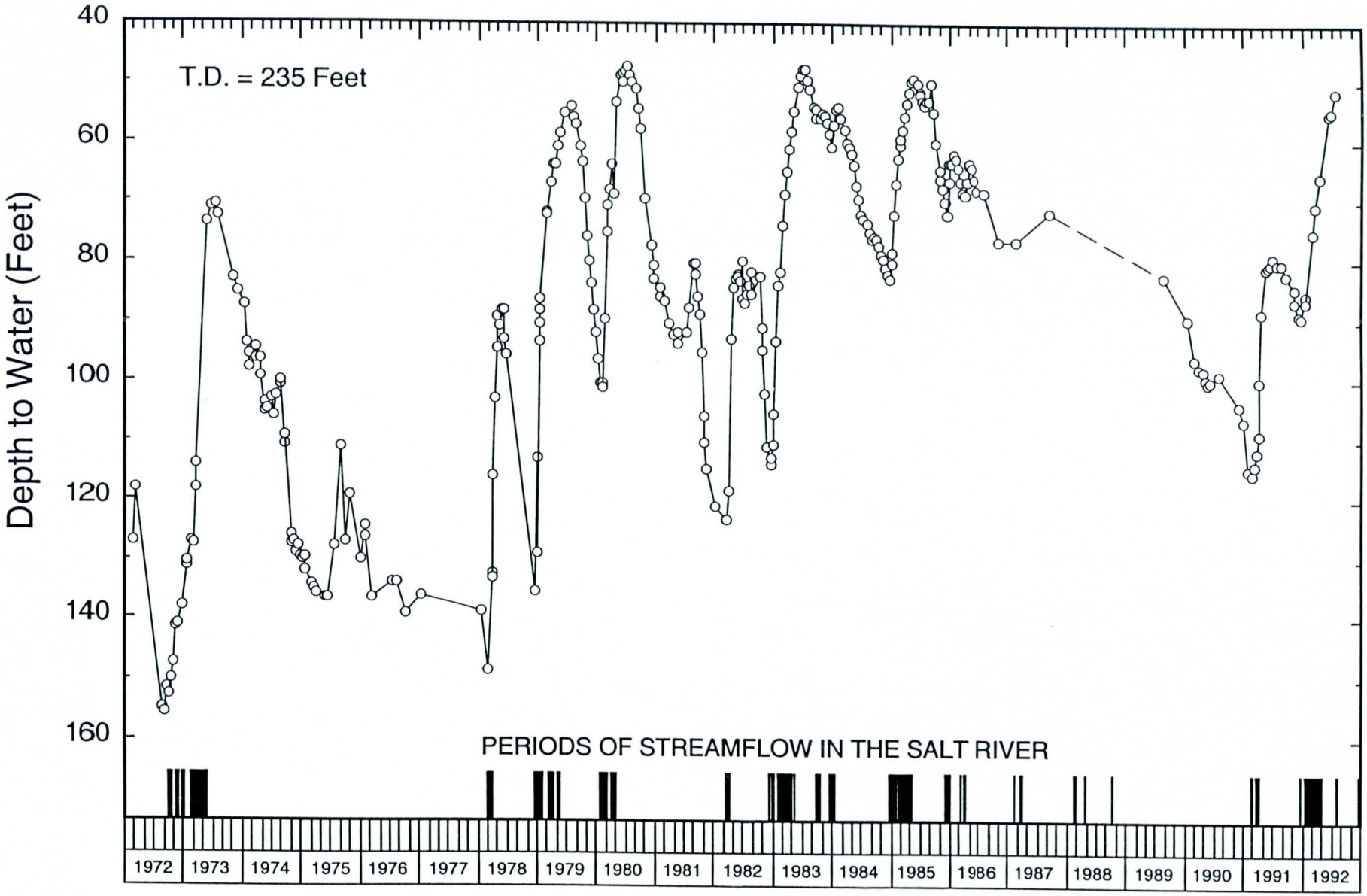

FIGURE 5 - LONG-TERM WATER-LEVEL HYDROGRAPH FOR WELL (A-1-5) 7baa

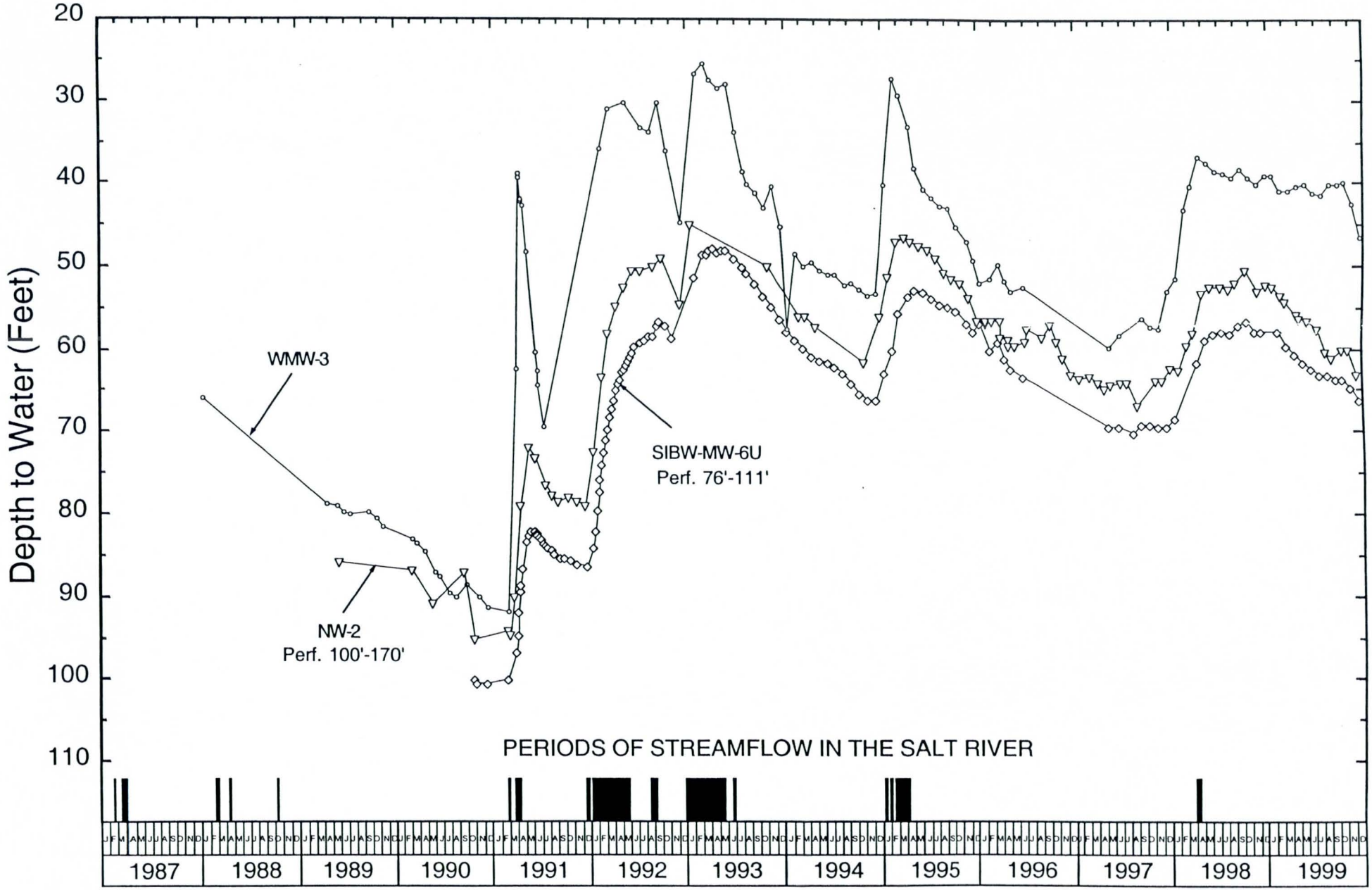

FIGURE 6 - WATER-LEVEL HYDROGRAPHS FOR SELECTED SHALLOW MONITOR WELLS

west of the existing percolation basins. NW-2 is one of the monitor wells for the NWWRP, and is located about one quarter mile south of the Salt River. SIBW-MW-6U is located one-half mile south of the Salt River along Price Road. Hydrographs for these three shallow wells thus show water-level responses at successively greater distances from the river (from WMW-3 to NW-2 to SIBW-MW-6U). Water levels in these wells have also changed substantially, particularly during the beginning of streamflow in the river. For example, the water level in WMW-3 rose about 40 feet in early 1992 during streamflow. Water-level and stream channel elevations indicate that groundwater levels in shallow wells near the Salt River have approached the bottom of the stream channel after prolonged large flows in the Salt River. This is consistent with the observation that infiltration rates for the existing basins at the NWWRP have decreased significantly when there has been streamflow in the Salt River. Measurements for these wells indicate a water-level decline from early 1995 through Summer 1997, followed by a rise through Fall 1998, followed by a decline since that time. Measurements for WMW-3 since Fall 1997 have also been influenced by discharge of effluent to the Salt River. The slight water-level rise in this well during December 1997-February 1998 is attributed primarily to this discharge. Water-level records and supplementary hydrographs are provided in Appendix C.

Aquifer Characteristics

Aquifer characteristics have been determined from aquifer tests at three of the shallow monitor wells tapping the UAU that were initially installed and on the 420-foot deep pilot recovery well that was installed at the NWWRP. The best value for transmissivity of the UAU at the NWWRP was determined at NW-2, south of the existing percolation basins, in June 1989. A transmissivity of 210,000 gpd per foot and a hydraulic conductivity of 2,800 gpd per square foot were determined from this test. Aquifer tests were conducted on 25 shallow monitor wells tapping the UAU at and near the Motorola, Inc. Mesa Center, primarily from 1986 to 1992. Values of aquifer transmissivity for most of these tests ranged from about 40,000 to 220,000 gpd per foot. Hydraulic conductivities ranged from about 1,500 to 3,000 gpd per square foot (Kenneth D. Schmidt and Associates (1991). Aquifer tests have also been conducted on one monitor well tapping the MAU at the Center. Although some sand layers are present in the MAU, and a hydraulic conductivity of about 800 gpd per square foot was determined for one of these, the transmissivity of this unit is small because of the thin nature of the sand strata that are present.

CH_2M-Hill (1995) presented the results of aquifer tests for 10 monitor wells tapping the UAU in the South Indian Bend Wash area, within about three-fourths of a mile of the existing percolation

basins at the NWWRP. Hydraulic conductivities for most of the tests ranged from about 1,000 to 2,700 gpd per square foot, in excellent agreement with the tests conducted for shallow monitor wells at the Mesa Center.

Aquifer tests of 24 hours in duration were conducted at six SRP wells south and southeast of the NWWRP during Summer 1979, as part of the Salt River Valley groundwater model studies. The results of these aquifer tests are representative of deposits tapped by many large-capacity wells in the vicinity. Specific capacities ranged from 24 to 119 gpm per foot. Aquifer transmissivities ranged from 75,000 to 165,000 gpd per foot, and averaged 105,000 gpd per foot. Three of these wells were less than 590 feet deep and tapped only the UAU and MAU. For the shallower wells that produced most of their water from the UAU, the transmissivity averaged 133,000 gpd per foot. At the remaining wells, which produced most of their water from the upper part of the LAU, the transmissivity averaged 77,000 gpd per foot. Transmissivity values are also available for two deep wells southwest of the NWWRP that only tap a substantial thickness of the LAU. Both of these wells are sealed opposite the UAU and MAU, and were pump tested for 24-hour periods. The May 1995 test on Mesa Center Well SW-2, which is perforated from 520 to 1,198 feet in depth, indicated a transmissivity of 114,000 gpd per foot and a hydraulic conductivity of

about 160 gpd per square foot. The October 1994 test on new SRP Well 24.5E-2.5N, perforated from 560 to 1,200 feet in depth, indicated a transmissivity of 106,000 gpd per foot and a hydraulic conductivity of about 170 gpd per square foot.

A leaky aquifer test was done at the Mesa Center in the mid-1980's to determine the vertical hydraulic conductivity of the MAU (Kenneth D. Schmidt and Associates, 1988). Based on the results of this test, the vertical hydraulic conductivity of the MAU at that site was determined to be 0.2 gpd per square foot. A storage coefficient of 0.003 was determined for the LAU from this test, which is consistent with the leaky nature of the MAU in the area.

A summary of the results of aquifer tests that were used in this evaluation is presented in Appendix D.

Pumpage

Pumpage records were obtained for wells in the study area through 1995 from the ADWR for the pilot project permit hydrologic report. Annual pumpage for 1985 to 1995 is summarized in Table 1. Annual pumpage ranged from about 4,150 acre-feet in 1993 to 19,600 acre-feet in 1990. The highest pumpage was associated with a year of heavy pumping of SRP wells in the area. Except for 1990, annual pumpage ranged from 4,151 to 7,596 acre-feet. The average annual pumpage during 1985-95 was 2,550 acre-feet by Motorola, Inc. at the

TABLE 1 - HISTORICAL WELL PUMPAGE IN VICINITY

State Well No.	Local I.D.	ADWR Reg. No.	Amount Pumped (Acre-feet) 1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
(A-1-4) 1aba	SRP 23.6E-6N	617830	13	6	60	12	6	1	0	0	0	0	0
1cda	SRP 23.5E-5.3N	608365	34	17	9	80	8	862	377	10	13	10	15
2ddd	SRP 22.5E-5.5N	608363	7	13	14	16	9	31	0	0	0	0	0
2dda	Scottsdale No.	626824	338	398	626	460	1,359	952	800	612	150	1,487	0
11aba	Tempe No. 6	628167	396	2,179	1,026	31	8	0	1	5	9	31	11
11dba	Indian Bend Golf	527102	-	-	-	-	-	0	215	182	202	205	188
13abb	Kachina Redi-Mix	800559	0	0	0	0	0	0	0	0	0	0	0
13aca	Kachina Redi-Mix	800561	0	0	0	0	0	0	0	0	0	0	0
13adb	Tri City Redi-Mix	800535	18	97	0	1	1	0	0	3	2	3	6
13add	Nesbitt	628942	53	73	49	38	28	24	29	56	0	-	-
13bac	Kachina Redi-Mix	800560	18	97	0	1	1	0	0	3	2	3	6
13bcc	APS No. 2	613077	0	0	0	0	0	0	0	0	0	0	0
14daa	APS No. 1	613078	862	719	224	0	0	0	0	0	0	0	0
14dab	APS No. 4	514735	-	0	0	251	0	489	482	653	587	744	637
24abc	Tempe No. 7	628168	39	27	44	26	15	0	0	7	4	4	2
24bbc	SRP 23E-2.9N	608364	16	69	17	16	160	17	0	0	0	446	0
(A-1-5) 4dcd	CYR	519064	-	-	0	43	0	90	81	85	164	219	230
4ddd	SRP 26.9E-5N	607701	16	17	15	34	31	1,634	313	19	40	21	27
9bbb	Johnson-Stewart	622567	1	3	3	28	0	24	32	0	0	780	68
9bbb	Johnson-Stewart	622568	964	653	666	823	0	590	585	0	0	0	802
9dbc	SRP 26.5E-4.3N	607750	0	43	41	56	92	2,065	723	30	106	122	118
9dcd	SRP	607702	11	23	12	30	125	2,650	579	33	28	153	2
16ccd	SRP 26.3E-3N	617841	14	21	26	9	2	361	7	3	1	5	0
17aaa	SRP 26E-3.9N	617842	11	10	29	46	136	326	30	57	87	43	0
17caa	SRP 25.5E-3.5N	617114	47	21	18	23	26	2,176	548	35	26	24	10
18aac	Mesa-WRP	629617	6	0	0	1	2	0	0	0	0	0	0
18abc	Mesa-Recovery	537951	-	-	-	-	-	-	-	-	-	0	0
18cbb	ADOT	613076	0	0	0	0	-	-	-	-	-	-	-
18cdc	SRP 24.3E-3N	607744	11	38	18	26	32	1,126	83	37	25	76	14
18ddd	SRP 25E-3.1N	607746	8	10	20	10	100	1,313	300	76	172	294	38
196cd	Tempe No. 8	628169	0	0	0	-	-	-	-	-	-	-	-
19bdd	SRP 24.5E-2.5N (old)	617837	24	20	15	16	55	1,150	0	0	0	0	0
19bdd	SRP 24.5E-2.5N (new)	542846	-	-	-	-	-	-	-	-	-	-	49
19dca	Motorola No. 1	604790	2,161	627	576	3,680	1,697	2,008	0	1,881	1,985	1,951	2,446
19dcc	Motorola No. 2	087443	1,520	1,188	1,133	0	0	0	0	0	0	0	0
20dbc		618717	0	0	0	0	0	0	0	0	0	0	0
21abb	SRP 26.5E-3N	607747	12	11	12	29	0	1,308	25	10	139	240	26
21dbb	Mesa	629607	0	1	0	0	83	0	0	0	0	0	0
19ddc	Motorola	531983	-	-	-	-	-	-	-	112	139	141	157
19dcc	Motorola	506681	30	19	1	-	-	-	-	-	-	-	-
19dcd	Motorola	505887	45	55	92	84	0	104	59	0	0	0	0
19ddc	Motorola	512016	-	-	62	57	0	90	66	0	0	0	0
19ddd	Motorola	514872	-	-	-	-	-	72	2,142	65	0	0	0
19dca	Motorola	532054	-	-	-	-	-	-	-	110	132	139	140
19dcd	Motorola	531984	-	-	-	-	-	-	-	88	-	79	81
18cca	ADOT	521290	-	-	-	288	121	-	-		0	-	-
19dcd	Motorola	531985	-	-	-	-	-	-	-	130	144	136	144
Total			6,950	6,709	5,212	6,508	4,348	19,601	7,596	4,299	4,151	7,353	5,211

Information from Arizona Department of Water Resources Annual Well Pumpage Printout (3/14/97)

Mesa Center, 2,100 acre-feet by the SRP, and 2,400 acre-feet by others, or a total of 7,050 acre-feet. During years of heavy SRP pumping, the pumpage is increased by more than two and a half times the average.

Recharge

NWWRP Percolation Basins

HydroSystems, Inc. (1995) summarized information available through 1994 on infiltration rates and recharge at the NWWRP percolation basins. An average of about 3,940 acre-feet was recharged from the 27-acre percolation basin area during 1990-94. The average infiltration rate was 0.4 foot per day. However, much lower rates (i.e., as low as 0.1 foot per day) were obtained during some periods of river flow, such as in January 1992. During periods of no river flow and deeper water levels, infiltration rates up to 0.6 foot per day were obtained. Because of freeway construction in the area, the westernmost of the three original basins was abandoned in late 1995, and two new basins were built to the east of the original basins. Infiltration rates for the new basins are lower than for the basin that was replaced. The City of Mesa has reported that less than 3 mgd of effluent can be handled by the existing ponds.

Starting in October 1997, pursuant to a NPDES permit, effluent from the NWWRP was discharged to the Salt River. Except for relatively short periods of about a week or so, an average of about 7 mgd has been discharged to the river. The water surface area in the channel east of McClintock Road has averaged about 70 acres. Additional flow from the Tempe Drain was entering this area and contributing to this water surface. When flow from the Tempe Drain stopped in Summer 1999, the ponded area decreased substantially. The estimated infiltration rate for the stream channel is about one half foot per day.

Salt River Streamflow Seepage

Streamflow in the Salt River is the most important factor influencing water levels in the UAU at and near the NWWRP. Water-level measurements for shallow wells at and near the NWWRP indicate that seepage from the river has been the largest source of recharge in the area. This information and that on the amounts of recharge from the percolation basins indicate that streamflow seepage from the river reach near the NWWRP has exceeded 10,000 acre-feet per year during some years. HydroSystems, Inc. (1995) summarized information on river flows at Granite Reef Dam and demonstrated in detail the relation between these flows and water levels in wells near the NWWRP.

Historic records for releases into the Salt River from Granite Reef Diversion Dam for 1970-1998 are plotted in Figure 7. A more detailed plot of the monthly releases for 1991 through 1998 is provided in Figure 8. As can be seen, there were significant flow events during March-April, 1991, January-May and August, 1992, January-May, 1993, and in January-April, 1995. Since that time, the only release was in March-April of 1998. Streamflow records for the Salt River at Granite Reef Diversion Dam are provided in Appendix E.

Chemical Quality

A substantial amount of information on groundwater quality is available from routine monitoring of water supply wells and monitor wells in the study area. The discussion of groundwater quality is divided into a) inorganic chemical, and b) trace organics. Supplementary information on groundwater quality is provided in Appendix F.

Inorganic Chemical Constituents

Table 2 contains the results of inorganic chemical analyses of water from Salt River Project wells and a City of Tempe well in the area south of the NWWRP in the mid-1980's. Total dissolved solids (TDS) concentrations ranged from about 600 to 1,000 mg/l, and the water was usually of the sodium chloride type. Chloride concentrations in water from two of the wells exceeded the

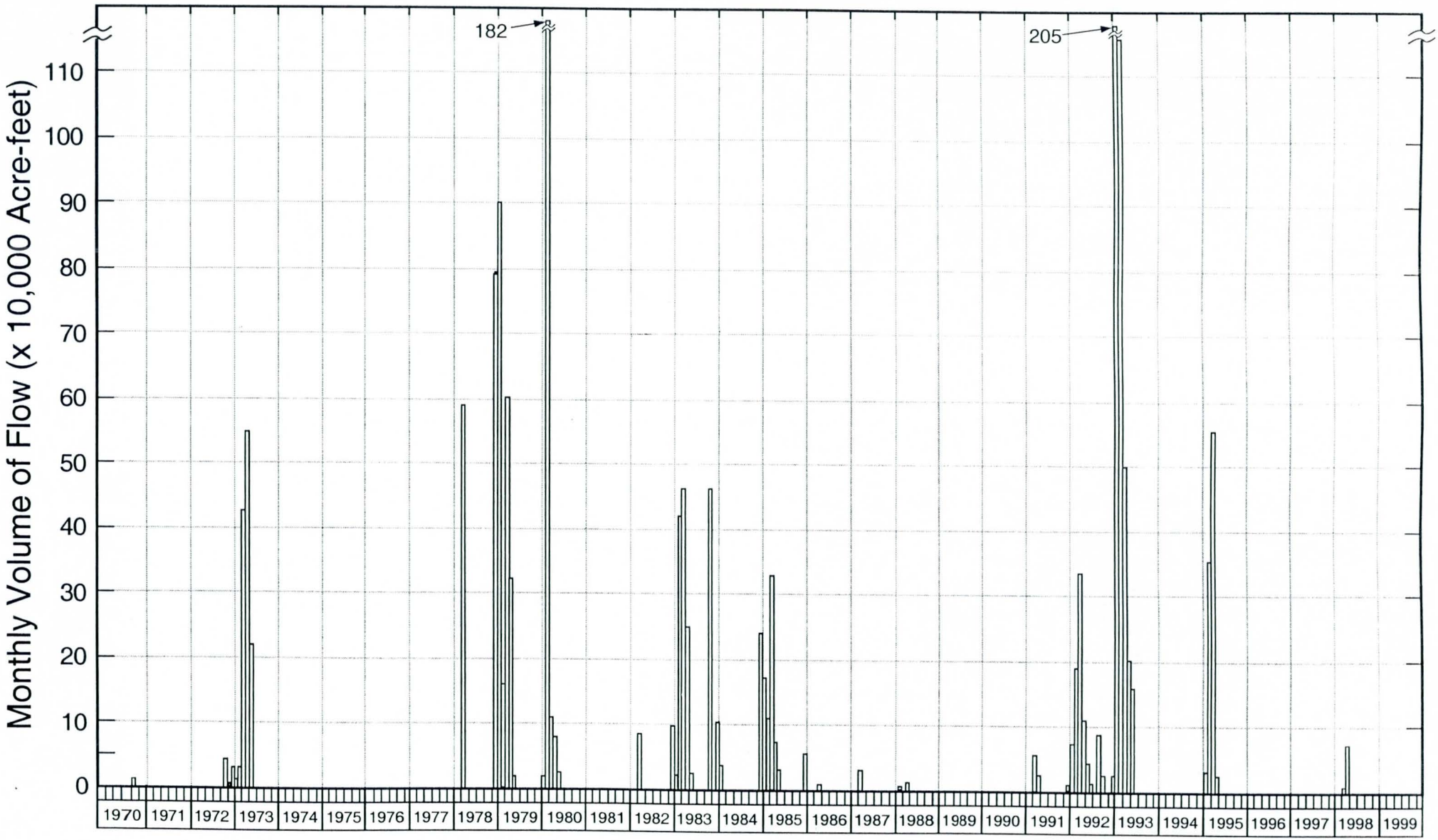

FIGURE 7 - HISTORIC RECORDS FOR RELEASES FROM GRANITE REEF DIVERSION DAM (1970-1999)

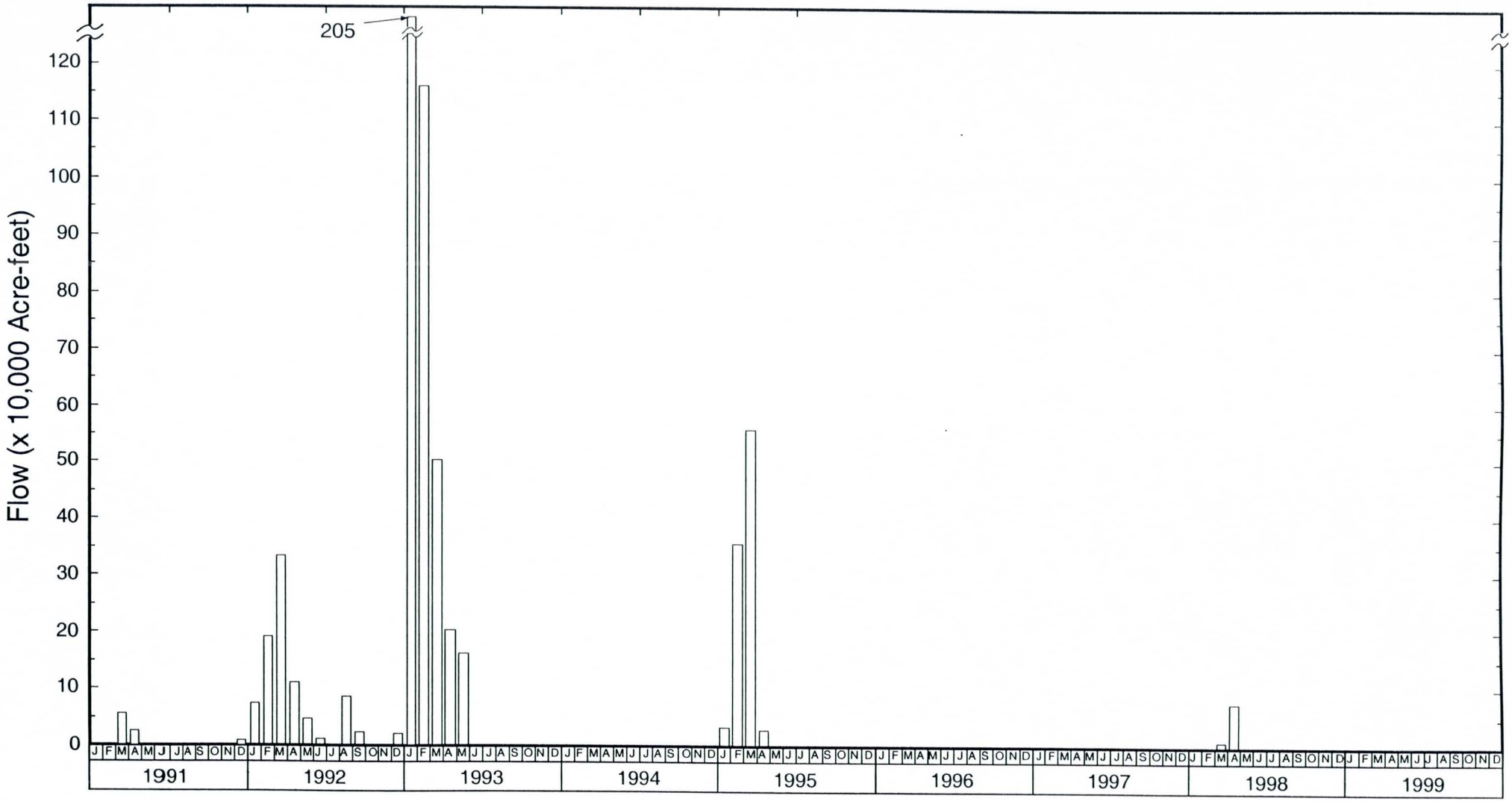

FIGURE 8 - MONTHLY GRANITE REEF DIVERSION DAM RELEASES (1991-1999)

TABLE 2 - INORGANIC CHEMICAL CONSTITUENTS IN WATER FROM LARGE CAPACITY WATER SUPPLY WELLS SOUTH OF THE NWWRP (MID-1980'S)

Constituent (mg/l)	23E.-2.9N	24.3E-3N	24.5E-2.5N	25E-3.1N	25.5E-3.5N	26E-3.9N	Tempe No. 7
Calcium	56	71	93	60	25	38	55
Magnesium	21	28	34	24	26	16	22
Sodium	202	200	220	166	181	152	174
Potassium	5	5	6	5	4	4	4
Carbonate	0	0	0	0	10	12	10
Bicarbonate	391	330	375	300	142	166	262
Chloride	196	246	290	200	258	210	194
Sulfate	85	78	92	71	44	37	74
Nitrate	21	53	49	26	29	23	27
Fluoride	0.6	0.2	0.4	0.3	0.6	0.6	0.2
Boron	0.4	0.4	0.4	0.3	0.4	0.2	-
pH	7.7	7.8	7.3	7.2	8.4	8.4	8.2
Electrical Conductivity (micromhos/cm @ 25°C)	1,350	1,480	1,610	1,190	1,140	980	1,240
Total Dissolved Solids	780	860	1,015	735	650	575	695
Iron	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-
Manganese	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Arsenic	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Barium	-	<0.5	<0.5	<0.5	-	-	-
Cadmium	-	<0.005	<0.005	<0.005	-	-	-
Chromium	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	-
Selenium	-	<0.005	<0.005	<0.005	-	-	-
Silver	-	<0.01	<0.01	<0.01	-	-	-
Total Organic Carbon	-	<3	16	<3	-	-	-
Temperature (°F)	-	72	71	71	-	-	70
Date	7/7/83	10/10/86	7/8/86	7/9/86	7/11/86	8/26/86	2/4/86
Laboratory	SRP	BC Labs	BC Labs	BC Labs	SRP	SRP	BC Labs

recommended maximum contaminant level (MCL) of 250 mg/l. Nitrate concentrations in water from two of the SRP wells exceeded the MCL of 45 mg/l. Water from these SRP wells was not used directly for drinking water. Concentrations of other inorganic chemical constituents in the Primary Drinking Water Standards were less than MCLs. Except for high nitrate and chloride concentrations in water from some wells, the inorganic chemical quality of water from these large-capacity wells was suitable for drinking water.

As part of the original hydrogeologic report for the NWWRP, water from five wells in the vicinity of the NWWRP was sampled during February 1987 (Table 3). TDS concentrations ranged from about 500 to 1,000 mg/l, and water from most wells was of the sodium chloride or sodium bicarbonate chloride type. Chloride concentrations in water from one well exceeded the MCL of 250 mg/l. Nitrate concentrations ranged from 6 to 61 mg/l, and were less than the MCL of 45 mg/l, except at Well (A-1-5)18aac, which was located at the former City of Mesa Wastewater Treatment facility. Concentrations of other inorganic chemical constituents in the Primary Drinking Water Standards were less than the MCLs. Arsenic concentrations were detectable at 0.03 mg/l or greater in water from three of these wells. Wells 13add and 18dbb probably drew some water from the MAU, whereas all of the wells apparently tapped the UAU. Sampling results for the mid-1980's are believed to be

TABLE 3 - INORGANIC CHEMICAL CONSTITUENTS IN WATER
FROM WELLS NEAR THE NORTHWEST WRP (MID-1980'S)

	A-1-4		A-1-5		
Constituent (mg/l)	13adb	13add	8daa	18aac	18dbb
Calcium	46	57	36	74	98
Magnesium	16	19	14	27	47
Sodium	120	149	143	169	128
Potassium	4	4	4	7	5
Carbonate	0	0	0	0	0
Bicarbonate	236	293	244	344	198
Chloride	135	170	139	192	321
Sulfate	58	55	64	71	67
Nitrate	6	19	9	61	36
Fluoride	0.3	0.3	0.3	0.3	0.2
Boron	0.2	0.3	0.2	0.3	0.2
pH	7.8	7.8	7.8	7.2	7.7
Electrical Conductivity (micromhos/cm @ 25°C)	880	1,050	960	1,330	1,440
Total Dissolved Solids	520	625	555	795	960
Iron	<0.05	<0.05	0.05	<0.05	<0.05
Manganese	<0.01	<0.01	0.02	<0.01	0.04
Arsenic	0.03	0.04	<0.01	0.04	<0.01
Barium	<0.10	<0.10	<0.10	<0.10	<0.10
Cadmium	<0.005	<0.0005	<0.005	<0.005	<0.005
Chromium	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Selenium	<0.005	<0.005	<0.005	<0.005	<0.005
Silver	<0.01	<0.01	<0.01	<0.01	<0.01
Total Organic Carbon	7	4	4	<3	<3
Date	2/10/87	2/10/87	2/23/87	2/18/87	2/10/87
Perforated Interval (feet)	250 T.D.	100-380	300 T.D.	266 T.D.	499 T.D.

Analyses by BC Laboratories, Inc. of Bakersfield, California.

representative of conditions when there has been minimal streamflow in the Salt River. A zone of high nitrate concentrations was present in groundwater south of the former wastewater treatment facility, extending south to near the Tempe Canal, in the mid-1980's.

Figure 9 shows more recent values for TDS and nitrate concentrations in water from SRP wells and wells only tapping the UAU in the study area. This information indicates that the high nitrate area had largely dissipated by 1995. This is likely due to the substantial recharge from river flows during 1992-95 and recharge from the NWWRP basins since 1990. TDS concentrations in water from most of these wells ranged from about 600 to 800 mg/l in the mid-1990's. Nitrate concentrations in groundwater in the UAU ranged from about 5 to 10 mg/l in the mid-1990's, well below the MCL of 45 mg/l.

Results of sampling the monitor wells at the NWWRP during 1996-99 are provided in Table 4. Estimated TDS concentrations in water from these wells thus ranged from about 650 to 910 mg/l. Chloride concentrations ranged from 160 to 310 mg/l, and sometimes exceeded the recommended level of 250 mg/l in water from MW-2, and MW-4. Nitrate-nitrogen concentrations were less than 2.5 mg/l. Nitrate-nitrogen concentrations can be multiplied by 4.4 to obtain nitrate concentrations. The MCL for nitrate-nitrogen is 10 mg/l

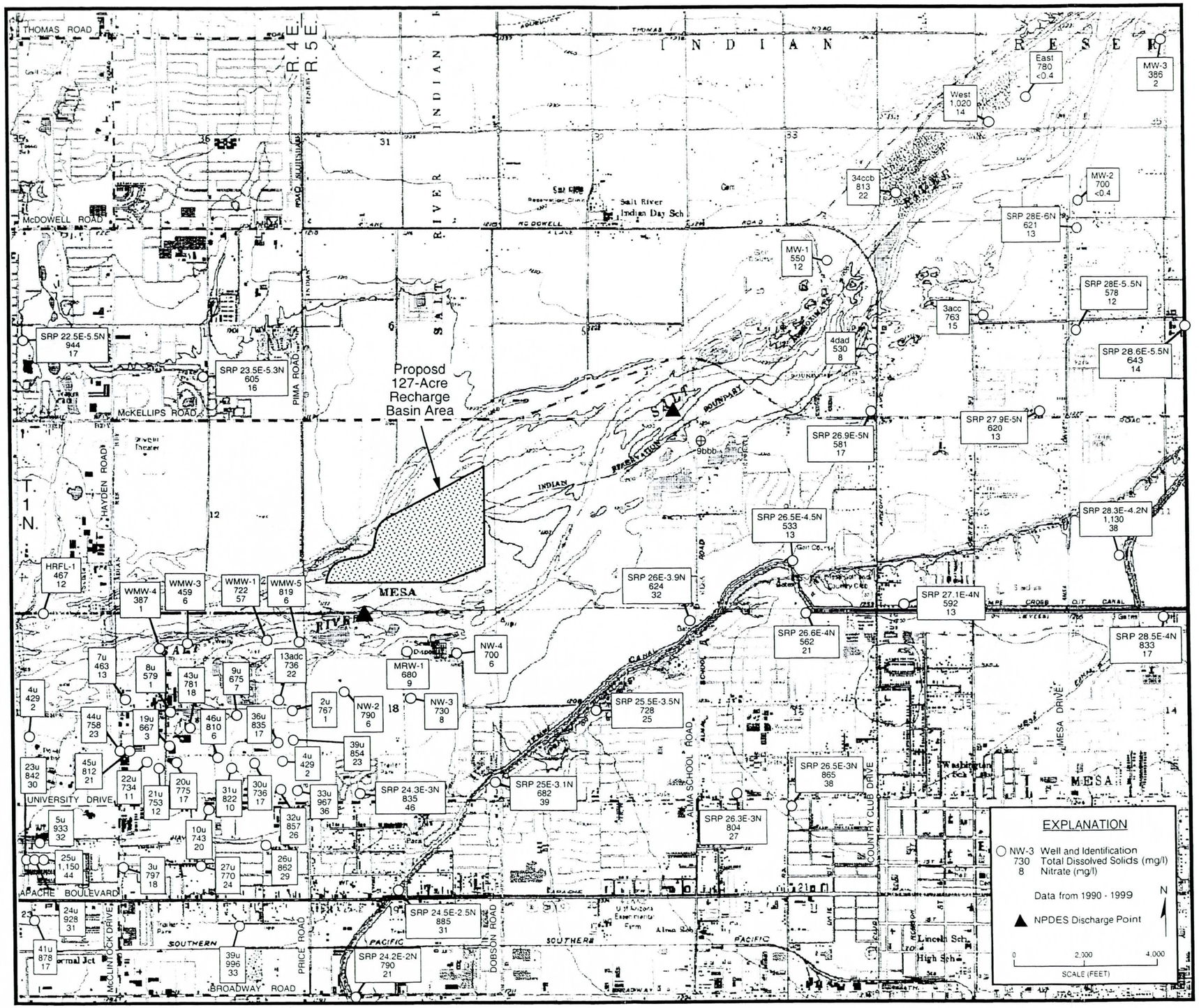

FIGURE 9 - TDS AND NITRATE CONCENTRATIONS IN WATER FROM WELLS

TABLE 4 - INORGANIC CHEMICAL CONSTITUENTS AND NITROGEN FORMS IN WATER FROM NWWRP MONITOR WELLS

Constituent (mg/l)	NW-1	NW-2		NW-3	NW-4		Recovery Well
Calcium	66	61	76	56	45	60	49
Magnesium	21	21	26	20	16	32	17
Sodium	180	196	190	166	150	126	180
Potassium	-	4	-	5	5	-	7
Alkalinity ($CaCO_3$)	128	139	140	153	155	155	170
Chloride	240	270	310	220	160	293	210
Sulfate	110	140	140	110	110	183	86
Nitrate-Nitrogen	2.0	1.3	1.2	2.2	1.1	1.4	2.1
Kjeldahl Nitrogen	0.4	<0.2	0.6	<0.2	1.6	2.3	<0.2
Total Nitrogen	2.4	1.3	1.8	2.2	2.7	3.7	2.1
Fluoride	0.6		<0.4	-	-	0.3	-
pH	7.0	7.5	-	7.3	7.2	6.9	7.6
Arsenic	0.019	0.030	<0.01	0.030	0.018	0.016	0.011
Barium	0.05	0.06	0.068	0.057	0.05	0.1	0.04
Cadmium	<0.003	<0.0005	<0.001	<0.0005	<0.0005	<0.002	<0.0005
Chromium	<0.01	0.03	<0.01	0.028	0.022	<0.01	0.023
Lead	<0.002	<0.002	<0.015	<0.002	<0.002	<0.005	<0.002
Selenium	<0.005	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005
Silver	-	<0.010	-	<0.010	<0.010	-	<0.010
Electrical Conductivity micromhos/cm @ 25°C	1,365	1,320	1,541	1,190	1,100	1,468	1,100
Total Dissolved Solids (Calc)	794	860	910	770	650	866	715
Date	7/98	5/22/96	1/21/99	5/22/96	5/22/96	3/11/99	5/22/96
Perforated Interval (feet)	100-170	100-170		100-170	T.D. 266		110-380

Analyses by Analytical Technologies, Inc.

and for nitrate is 45 mg/l. Fluoride concentrations ranged from 0.3 to 0.6 mg/l, well below the MCL of 4.0 mg/l. Arsenic concentrations ranged from less than 0.01 to 0.03 mg/l, below the MCL of 0.05 mg/l. Chromium concentrations ranged from less than 0.01 to 0.03 mg/l, below the MCL of 0.10 mg/l. The generally excellent inorganic chemical quality of water from these downgradient monitor wells attests to the excellent inorganic chemical quality of the effluent and Salt River streamflow.

Trace Organic Chemicals

Figure 10 shows the locations of the three Superfund areas and areas of significant volatile halocarbon concentrations in groundwater in the UAU. Significant TCE concentrations in the northwest part of the study area were north of McKellips Road and west of Granite Reef Road. Most of the volatile halocarbons in groundwater in this area are in the MAU and some are in a limited water-producing zone in the UAU. In April 1996, the highest TCE concentration in this area was 130 ppb, and water from one other monitor well had a TCE concentration greater than 50 ppb. Water from ten other monitor wells in this part of the study area had TCE concentrations exceeding the MCL of 5 ppb. Some groundwater remediation has been undertaken and additional remediation plans are being developed. In the southwest part of the study area, TCE concentrations exceeding the MCL in recent years have been in the

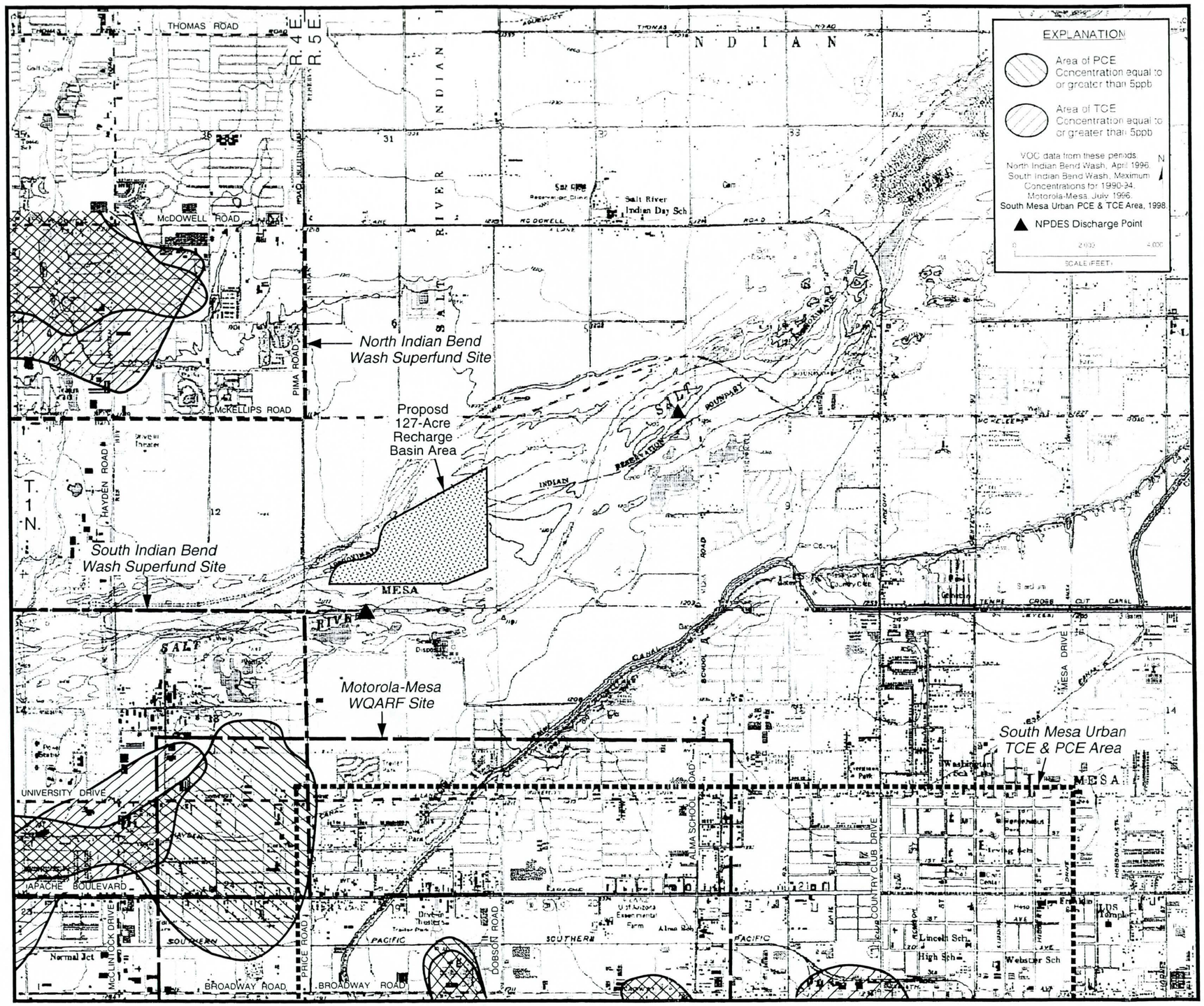

FIGURE 10 - LOCATION OF SUPERFUND AREAS AND VOLATILE HALOCARBON OCCURRENCES IN SHALLOW GROUNDWATER

area south of Eighth Street and west of Smith Road. The highest TCE concentration was 540 ppb. Water from three other monitor wells in this area have had TCE concentrations that exceeded 50 ppb in recent years. TCE concentrations in water from eleven shallow monitor wells in this part of the study area have exceeded the MCL in recent years. East of Roosevelt Street and south of the railroad tracks, TCE concentrations in water from four shallow wells exceeded the MCL in late 1996. TCE concentrations exceeding the MCL in this area are only in the UAU. The highest TCE concentration was about 20 ppb. Three of the four wells are being used for a groundwater extraction and recovery project at the Motorola, Inc. Mesa Center.

PCE concentrations exceeding the MCL of 5 ppb in the northwest part of the study area in April 1996 were north of Roosevelt Street and west of Granite Reef Road. The highest PCE concentration was 36 ppb, and water from two other monitor wells had PCE concentrations exceeding 20 ppb. Water from two other shallow monitor wells in this part of the study area also had PCE concentrations exceeding the MCL at that time. Maximum PCE concentrations equaled or exceeded the MCL in water from 16 shallow monitor wells west of Price Road and south of 8th Street. The highest concentration in shallow groundwater in this area was 59 ppb, and water from four other monitor wells had PCE concentrations

exceeding the MCL at least once. In the area south of the railroad tracks and east of Roosevelt Street, PCE concentrations in water from six wells exceeded the MCL in 1996. The highest PCE concentration was about 45 ppb in late 1996. Water from four of these wells was being used for a groundwater extraction and recovery program. Although some other volatile halocarbons are present in shallow groundwater in these areas, TCE and PCE are considered to be the controlling constituents, considering the MCLs. Water samples collected from the monitor wells at the NWWRP have had concentrations of volatile halocarbons below the MCL. Normally volatile hydrocarbon concentrations in water from these wells have been below detection limits.

In general, volatile halocarbon concentrations in groundwater in the MAU and LAU have been below the MCLs in the part of the study area south of the Salt River. However, significant concentrations have been found in groundwater in the MAU and LAU in part of the northwest area.

ONE HUNDRED-YEAR FLOODPLAIN

Figure 11 shows the 100-year floodplain, prior to installation of flood control features which were developed in association with new freeway construction. This information was from maps prepared by the Federal Emergency Management Agency for 1988-93. The

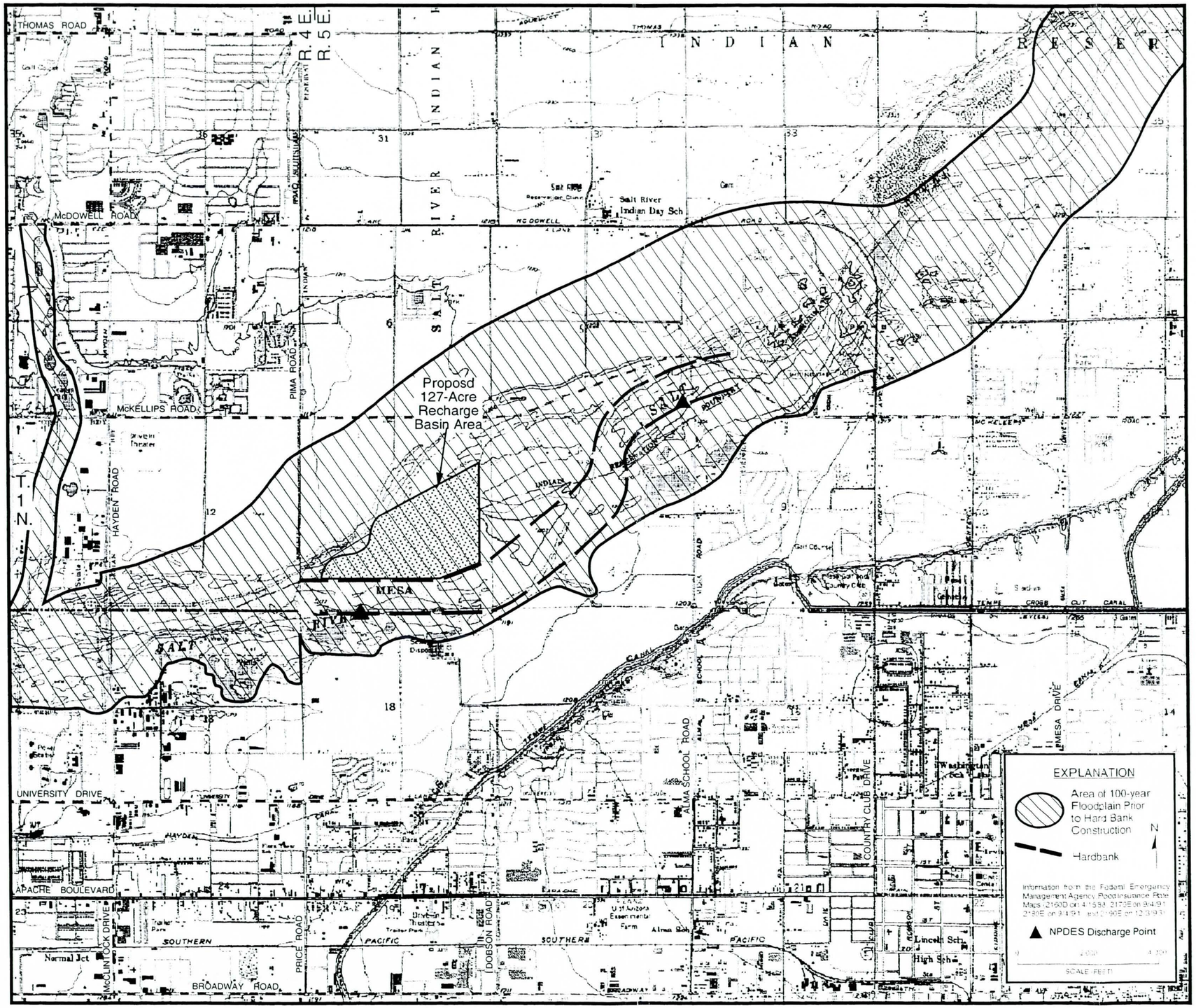

FIGURE 11 - LOCATION OF 100-YEAR FLOODPLAIN

location of the South Hard Bank and proposed North Hard Bank that have been constructed since that time are also shown. The existing ponds are south of where the present 100-year floodplain is and the proposed 50 acre-pilot project is north of where the 100-year floodplain will be located after the North Hard Bank is completed.

SALT RIVER STREAMFLOW

Table 5 contains average concentrations and the range in concentrations for inorganic chemical constituents in Salt River streamflow at the Granite Reef Diversion Dam. Samples were collected monthly and analyzed by the Salt River Project. Total dissolved solids concentrations ranged from 336 to 773 mg/l and averaged 570 mg/l. Nitrate concentrations ranged from 0.1 to 0.9 mg/l and averaged 0.3 mg/l. The water was normally of the sodium chloride type, except at high flows, when the water was of the calcium sodium bicarbonate type. The minimum values shown in Table 5 are probably representative of when releases down the river will be made.

RECLAIMED WATER

Inorganic Chemical Constituents and Nitrogen Forms

Table 6 contains the results of representative analyses for inorganic chemical constituents and nitrogen forms in effluent from the Northwest WRP 1995-99. Calculated TDS concentrations

TABLE 5 - INORGANIC CHEMICAL CONSTITUENTS IN WATER FROM SALT RIVER AT GRANITE REEF DIVERSION DAM

Constituent (mg/l)	Average	Maximum	Minimum
Calcium	52	59	42
Magnesium	22	32	18
Sodium	136	215	38
Potassium	4	6	3
Carbonate	<3	<3	<3
Bicarbonate	200	271	157
Sulfate	61	73	50
Chloride	195	316	32
Nitrate	0.3	0.9	0.1
Fluoride	0.4	0.5	0.3
pH	8.2	8.6	8.1
Electrical Conductivity (micromhos/cm@25°C)	1,053	1,410	593
Total Dissolved Solids (@180°C)	570	773	336
Iron	0.04	0.06	0.02
Manganese	0.02	0.04	<0.01
Arsenic	0.008	0.019	0.004
Chromium	0.005	0.005	0.005

Analyses by Salt River Project for eleven samples that were collected monthly during 1997. Data from Salt River Project 1997 Annual Water Quality Report.

TABLE 6 - INORGANIC CHEMICAL CONSTITUENTS
AND NITROGEN FORMS IN EFFLUENT FROM THE NWWRP

Constituent mg/l	5/95	5/96	11/21/96	9/2/97	7/15/98	1/21/99	5/27/99
Calcium	56	54	72	-	-	-	
Magnesium	-	22	29	-	-	-	
Sodium	186	223	290	-	-	-	
Potassium	10	14	19	-	-	-	
Alkalinity ($CaCO_3$)	128	134	191	-	-	-	
Chloride	230	260	360	-	-	-	
Sulfate	150	110	110	-	-	-	
Nitrate-Nitrogen	0.9	6.9	0.1	1.3	8.4	6.2	2.0
Kjeldahl Nitrogen	1.0	0.9	0.6	0.5	0.6	0.7	0.3
Total Nitrogen	1.9	7.8	0.7	1.8	9.0	6.9	2.3
Fluoride	-	-	-	3.1	2.0	4.4	5.9
pH	7.3	7.6	7.6	7.1	6.6	6.6	
Arsenic	<0.003	<0.003	-	0.004	<0.005	<0.03	<0.01
Barium	7.3	0.018	-	0.023	<0.02	0.02	0.02
Cadmium	<0.0005	<0.0005	-	<0.0005	0.004	<0.005	<0.001
Chromium	<0.010	<0.010	-	<0.01	<0.01	0.01	<0.01
Lead	<0.002	<0.002	-	<0.002	<0.002	<0.005	0.017
Selenium	<0.005	<0.005	-	<0.003	<0.005	<0.02	<0.02
Silver	<0.010	<0.010	-	-	-	-	-
Total Dissolved Solids (Calculated)	710	770	995	1,100	1,150	1,050	

Analyses by Analytical Technologies, Inc. Fluoride concentration for May 1999 was for a sample collected on June 23, 1999

(excluding silica) ranged from 710 to 1,150 mg/l, and chloride concentrations ranged from 230 to 360 mg/l. Most of the nitrogen was in the nitrate form, and nitrate-nitrogen concentrations ranged from less than 1 mg/l to about 8.4 mg/l, and averaged about 3 mg/l during 1994-99. Nitrate-nitrogen concentrations can be multiplied by 4.4 to calculate nitrate concentrations. Fluoride concentrations ranged from 2.0 to 5.9 mg/l, and in 1999 exceeded the MCL of 4.0 mg/l. Appendix G contains additional information indicating recent activities that the City of Mesa has undertaken to reduce the fluoride concentration in the effluent. Selected trace metals are determined annually (Table 5), and concentrations have been low.

Trace Organic Constituents

Annually the effluent is analyzed for volatile hydrocarbons (EPA Method 504), and numerous pesticides (EPA Methods 608 and 614). The only trace organics that have normally been detected are trihalomethanes from chlorination of the effluent.

POTENTIAL IMPACTS

Soil Contamination

Recharge would occur in the river channel when the river is flowing. No significant soil contamination is believed to be present in this reach of the channel. Groundwater monitoring is to

be used to verify that adverse impacts do not occur, or can be mitigated.

Recharge Mound

Because the amount of reclaimed water that would be discharged to the river would be small compared to the river flow, there would be no separate recharge mound formed. Rather, the water-level contours would reflect streamflow seepage, as has occurred during past streamflow events.

Discharge Impact Area

The discharge impact area is expected to be limited to the area shown on Figure 12. This is because the recharged reclaimed water would be of small volume compared to that of the recharged streamflow. Recharged effluent beneath the channel would not be recognizable beyond a distance of about one quarter mile from the channel.

Anticipated Water Quality Changes

Neither the direction of groundwater flow nor the hydraulic gradients would be changed by the proposed project. This is because recharge from streamflow alone would be the predominant factor.

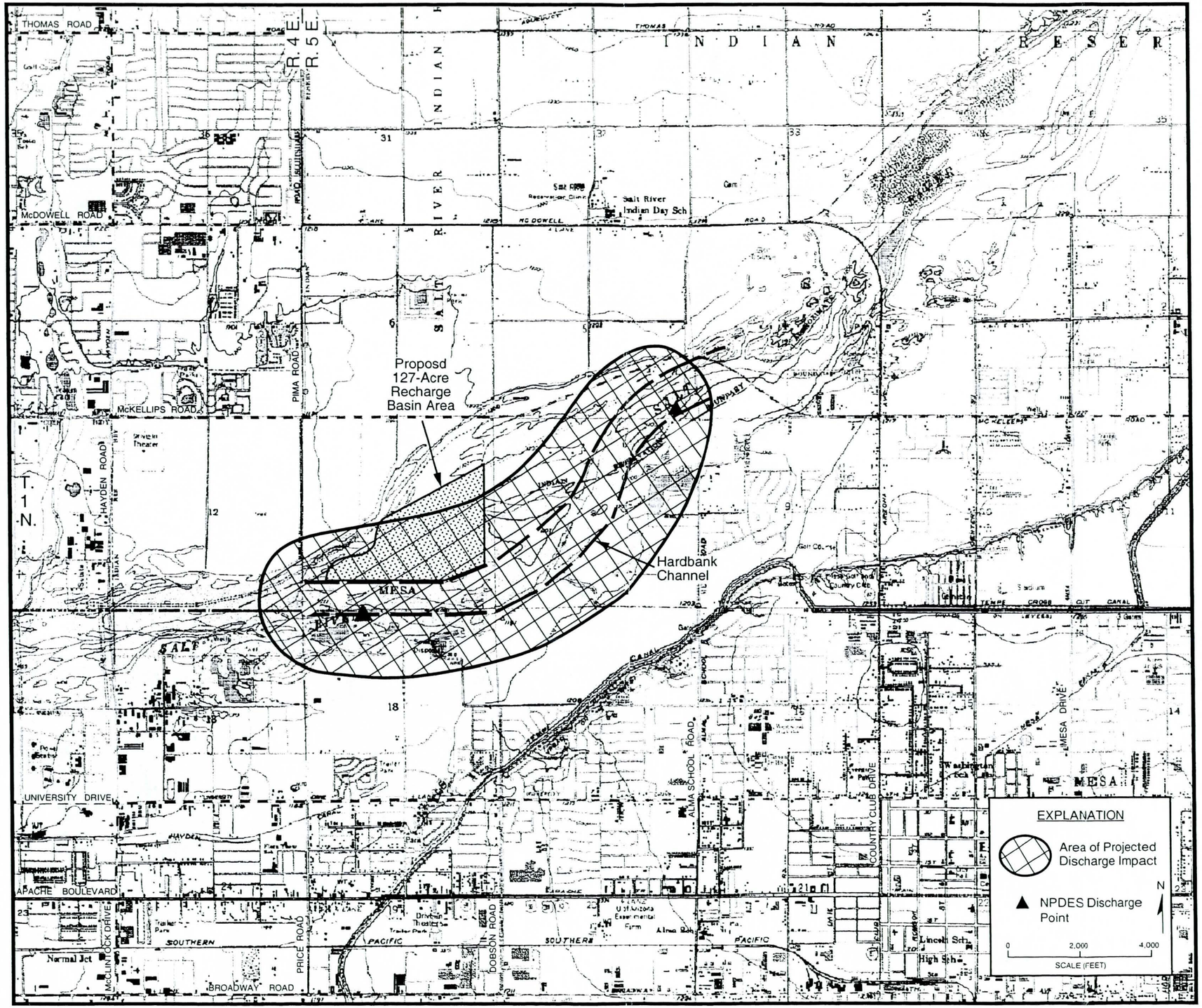

FIGURE 12 - PROJECTED DISCHARGE IMPACT AREA

MONITORING PLAN

The proposed monitoring program is for sampling of groundwater. Effluent monitoring is already in effect, and would be continued. However, it is recommended that this be reduced considerably in terms of the excessive list of unnecessary constituents now being analyzed (i.e., PCBs, etc.).

Groundwater Monitoring

The points to be monitored are at wells tapping alluvium in the area along the channel. No monitoring of the vadose zone is proposed.

The locations of wells proposed for groundwater monitoring are provided in Table 7 and shown in Figure 13. Two of the monitor wells installed for monitoring percolation basins would be used. The new monitor well north of the river is to be drilled to a depth of about 120 feet, to tap the shallowest groundwater suitable for monitoring (Figure 16). A 20-foot surface conductor and annular seal would be installed. The well is to be drilled by the casing hammer method and six-inch diameter steel casing installed to the total depth. This casing is to be perforated from about 30 to 120 feet in depth, so as to be useful during periods of both shallow and deep water levels. A locking cover is to be placed over the top of the well to control access.

TABLE 7 - LOCATION OF PROPOSED MONITOR WELLS

State Location	Latitude	Longitude
(A-1-5)8cbd	33° 26' 29"	111° 52' 27"
(A-1-5)18aac (NW-4)	33° 25' 59"	111° 52' 39"

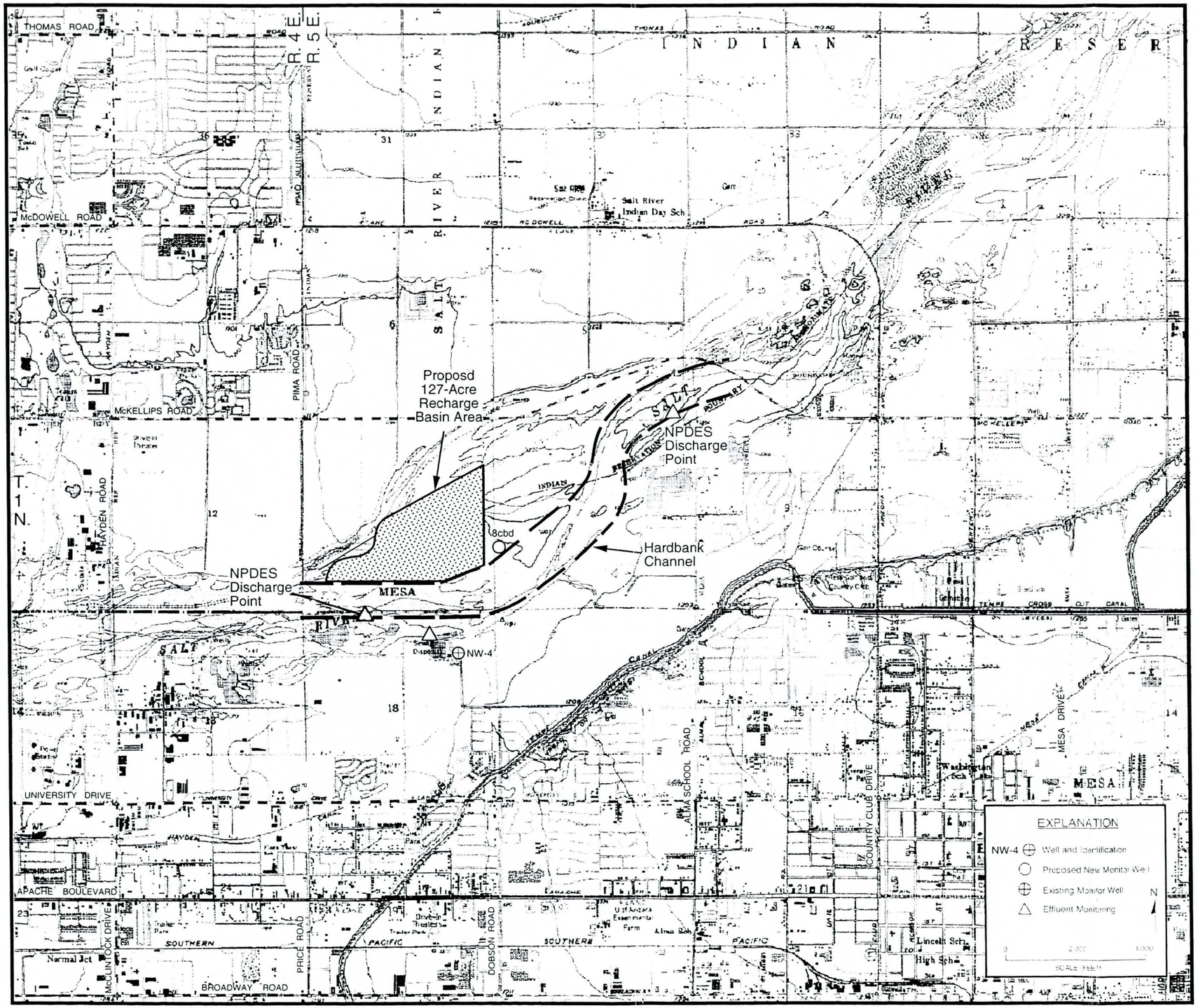

FIGURE 13 - PROPOSED MONITORING LOCATIONS

The second well to be used for monitoring is NW-4. It is an existing well which was drilled to 275 feet and cased with 12-inch diameter steel casing to 266 feet.

A submersible pump would be installed in the well and used to collect the water samples. Prior to pumping, the static water level would be measured. Samples from each monitor well would be obtained by pumping about 25 gpm for at least two hours. At least five well volumes of water would be pumped prior to sampling. The electrical conductivity, temperature, and pH of the pumped water would be frequently measured, and the pumping level would also be measured several times. Water from each monitor well would be sampled on a quarterly basis for analysis of nitrogen forms, total dissolved solids, hardness, and chloride content. Annual analyses would include volatile halocarbons, major cations and anions, and trace metals in the Primary Drinking Water Standards.

Monitoring Instrumentation

Taylor pocket thermometers, or equivalent, would be used to measure the water temperature. A portable Hach pH meter, or equivalent, would be used to measure the pH. This instrument would be standardized and calibrated following directions in the owner's manual. A Hach portable electrical conductivity meter, or equivalent, would be used to measure the electrical conductivity.

This instrument would be calibrated pursuant to the owner's manual. During normal water sampling periods for the monitor wells, the pumping rate would be measured several times by timing the filling of a five or ten gallon container. An electric sounder or a steel tape would be used to measure water levels. The sounder would be carefully calibrated with a steel tape prior to each measurement round.

Sample Containers, Preservatives, and Holding Times

Holding times for samples to be analyzed for specific inorganic constituents and nitrogen forms are shown in Table 8. For determination of metals, the sample is collected in a polyethylene bottle pre-treated with nitric acid. Samples for nitrogen forms are collected in polyethylene bottles treated with sulfuric acid, and kept cool prior to analysis. Glass 40-ml vials with teflon tops are used for the samples for analyses of volatile halocarbons. The holding time is 7 days and the samples are kept cool prior to analyses. The sample containers are obtained from the laboratory that would analyze the samples.

Sample Handling

Samples in glass containers would be packaged in bubble pack material to minimize breakage, and shipped or hand delivered to the

TABLE 8 - CONTAINERS, PRESERVATIVES, AND HOLDING TIMES FOR WATER SAMPLING AND ANALYSES

Measurement	Vol. Req (ml)	Preservative	Holding Time
Electrical Conductivity	100	None	28 days
pH	25	None	Analyze Immediately
Total Diss. Solids (180°C)	100	None	7 days
Metals	100	HNO_3 to pH <2	6 months
Nitrogen Forms	100	H_2SO_4 to pH <2 Cool, 4°C	48 hours

All containers are polyethylene. Electrical conductivity and pH would be measured in the field and the other constituents in the laboratory.

laboratory within one day of sample collection. Samples for parameters that must be kept cool would be packed with blue ice to maintain the temperature at 4°C or less during shipment or transport, with next-day delivery. Appropriate forms (i.e., sample transmittal and chain-of-custody form) would be placed in each ice chest. Chain-of-custody seals would be placed on the sample containers. The ice chests would be taped closed.

Sample and Measurement Documentation

A field notebook and appropriate forms would be used to record information pertaining to samples and measurements collected during the investigation. The information typically recorded in the notebook and forms would include well number or effluent sampling site, date and time collected, name of personnel and affiliation, and measurement values. Sample bottles would be labeled immediately after the sample is collected, with labels supplied by the laboratory. Water quality field parameter measurements would be recorded. Samples collected for organic or inorganic analysis would be accompanied by an analysis request form during shipment to the laboratory.

Chain-of-Custody Procedures

To document sample possession, chain-of-custody procedures are followed after collection and identification of the sample. The

chain-of-custody procedure is divided into three parts: field custody, transfer of custody, and laboratory custody.

Field chain-of-custody procedures would be as follows:

- o A chain-of-custody seal is placed on each sample container after the sample is collected.
- o The field sampler is personally responsible for the care and custody of the samples collected until they are transferred or dispatched properly.
- o A field notebook would be maintained by the field sampler to provide a daily record of significant events, observations, and measurements during field investigations.

Samples would be transferred and shipped according to the following procedures:

- o Samples are accompanied by a Chain-of-Custody Record. When transferring samples, the individuals relinquishing and receiving will sign, date, and note the time on the record. This record documents sample custody transfer.
- o Samples are packaged properly for shipment and dispatched to the appropriate laboratory for analysis, with a separate Chain-of-Custody Record accompanying each shipment. Shipping containers are sealed with custody seals for shipment to the laboratory. Clear tape would be placed over the custody seals

to ensure that they are not accidentally broken during shipment.

Laboratory chain-of-custody procedures would be as follows: All samples are held under internal chain-of-custody in the Sample Control Room, using the appropriate storage technique (i.e., ambient, refrigeration). Samples are distributed by the Sample Custodian to Staff Chemists who maintain samples under their control and relinquish samples to storage when their analytical tasks are completed.

Quality Control

Quality control for field activities include duplicate samples, replicate measurements, blanks, and calibrated equipment.

Duplicate samples would be collected to check for precision of the analysis. One duplicate sample would be collected per sampling round for nitrogen forms. The duplicate sample would be collected, packaged, sealed and analyzed in an identical manner as the other samples. It would not be identified as a duplicate sample. In this way, the identity of the duplicate sample would be unknown to the laboratory personnel performing the analysis.

Blank water samples would be used when collecting samples for trace organic analysis. Analysis of the blank water sample is a check against cross-contamination during collection, transporta-

tion, and within the laboratory. The blank would remain with the samples in the ice chest, except during sample collection when it would be near the sample bottles and point of collection. One blank sample would be used per sampling round.

The field measurements use replicate measurements, calibration of equipment, and comparing previously collected data to determine the internal quality of the data collected.

Analytical Laboratory

An Arizona state certified laboratory would be used for the analyses.

Sampling Procedures

The samples for analyses of nitrogen forms would be collected as follows:

- The required sample bottle is: one liter polyethylene treated with sulfuric acid.
- The treated bottle would be filled with the sample to near the top, then capped.
- A chain-of-custody seal would be placed on the container.
- The sample would be labeled, packaged, and placed into an ice chest to maintain the water samples at 4°C or less.
- The appropriate sample transmittal forms would be completed.

The samples for analysis of trace metals would be collected in a similar manner, except the required sample bottle is a one liter polyethylene treated with nitric acid. In addition, it is unnecessary to keep this sample cool.

The samples for volatile halocarbons (EPA Method 601) would be collected as follows:

- The required sample containers are: two 40 ml glass vials with a Teflon septum and screw top.
- When sampling for purgeables, the filled sample vials would have no headspace. In addition, turbulence in the water stream to be sampled would be minimized. The vial would be filled until it overflows, to eliminate any air bubbles, and the Teflon-lined cap replaced.
- The vial would be turned upside down and tapped to check for air bubbles. If there are any bubbles, the vial would be re-filled and checked for air bubbles again. This procedure would be repeated until an acceptable sample is obtained.
- A chain-of-custody seal would be placed on each container.
- The sample would be labeled, packaged, and placed into an ice chest to maintain the water samples at 4°C or less.
- The appropriate sample transmittal forms would be completed.

COMPLIANCE POINTS AND DISCHARGE LIMITATIONS

Proposed Point of Compliance

The proposed point of compliance for the groundwater is at the two monitor wells previously specified.

Discharge lines are proposed as follows:

Total nitrogen	10 mg/l
Volatile Halocarbons	maximum contaminant levels for public-water supplies

Alert Levels

The alert levels for groundwater would be established after at least three rounds of sampling of the new shallow monitor wells.

Demonstration of Compliance

Attainment of aquifer water quality standards at the down-gradient monitor wells would be provided. First, the low nitrogen contents in the effluent and the use of alternating wetting and drying periods to enhance dentrification would keep nitrate (as nitrate) contents in the groundwater well below the MCL of 45 mg/l. Second, there would be attenuation of potential contaminants as the recharged effluent passes through the alluvium and mixes with other water. The results of sampling effluent for analyses of inorganic chemical constituents, nitrogen forms, and volatile halocarbons, as

discussed previously in the report, indicate that the aquifer water quality standards would be attained. In addition, the quality of the effluent would be monitored to verify that the treatment processes are effective.

REFERENCES

ARCS West, 1995, "Draft Indian Bend Wash-South Final RI," prepared for CH2M Hill and USEPA.

Corell, S.W., and E.F. Corkhill, 1994, "A Regional Groundwater Flow Model of the Salt River Valley-Phase II, Phoenix Active Management Area, Numerical Model, Calibration, and Recommend-tins", Arizona Department of Water Resources, Modeling Report No. 8, Hydrology Division, 91 p.

Hartman, G.W., 1977, "Soil Survey of Maricopa County, Arizona, Central Part", U.S. Dept. of Agriculture, Soil Conservation Service, 117 p.

HydroSystems, Inc., 1995, "City of Mesa Northwest Water Reclamation Plant Impacts Determination Report," prepared for John Carollo Engineers.

K.D. Schmidt and Associates, 1987, "Hydrogeologic Conditions at the Northwest Water Reclamation Plant Recharge Site," prepared for Black & Veatch, Phoenix, Arizona.

Kenneth D. Schmidt and Associates, 1997, "Hydrogeologic Report for Underground Storage Facility and Water Storage Permits for the City of Mesa Northwest Water Reclamation Plant Pilot Project North of the Salt River," draft report, prepared for Camp Dresser & McKee, Inc.

Kenneth D. Schmidt and Associates, 1991, "Final Remedial Action Plan for the Motorola, Inc. Mesa Center," prepared for Motorola, Inc., Mesa, Arizona.

Salt River Project, 1997, "1997 Annual Water Quality Report".

Sellers, W.D., and R.H. Hill, 1974, "Arizona Climate, 1932-1972", The University of Arizona Press, Tucson, 616 p.

U.S. Bureau of Reclamation, 1977, "Geology and Groundwater Resources Report, Maricopa and Pinal Counties, Arizona", Central Arizona Project, Phoenix-Buckeye Sub Area.

APPENDIX A

WELL INVENTORY AND DRILLERS LOGS

Note: Does not include drillers logs for monitor wells in Superfund areas

CITY OF MESA NW WRP
WELL INFORMATION

Location	Well Owner	Local ID	Well Use	Well Reg. No.	Date Drilled	Drilling Method	Depth Drilled (feet)	Casing Diam. (inch)	Casing Type	Cased Depth (feet)	Perforated Interval (feet)	Perforations size (inch)	Perforations Type	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Date Pumping Meas.
(A-1-4) 1aba	SRP	23.6E-6N	I	55-617830	-	C	493	24	s	465	90-465	0.75x4	m	890		8/1/89
1aba	EPA		M	510961	6/6/85	R	140	6	s	130						
								4	s	140	130-140	0.125x3	s			
1abb	EPA	E-1LA	M	510220	5/14/85	R	750	6	s	695						
								4	s	750	696-750	0.125x3	s	40	1	6/11/85
1abb	EPA	E-1MA	M	510221	5/23/85	R	300	6	s	250						
								4	s	300	250-300	0.125x3	s	48	1	6/12/85
1abb	EPA	E-1UA	M	510222	5/24/85	R	145	4	s	128	78-128	0.125x3	s	69	3	6/13/85
1acd	Motorola, Inc.	M-8UA	M	509768	3/20/85	R	125	4	s	115	73-115	0.125x3	s	9	35	6/1/85
1baa	Motorola, Inc.	M-6MA	M	507298	5/9/84	R	302	4	s	302	249-302	0.125x3	s	10	6	5/26/84
1baa	Motorola, Inc.	M-6UA	M	507305	5/10/84	R	125	4	s	117	75-117	0.125x3	s	11	22	5/26/84
1bad	Motorola, Inc.	ST-1UA	M	506169	9/11/83	R	120	6	PVC	116	76-116	0.03x1	s	7	13	8/18/83
1bad	Motorola, Inc.	M-1MA-1	M	507300	4/3/84	R	302	4	s	302	252-302	0.125x3	s	10	3	5/21/84
1bad	Motorola, Inc.	M-1MA-2	M	507299	5/18/84	R	300	4	s	300	258-300	0.125x3	s	10	8	5/22/84
1bad	Motorola, Inc.	M-1UA	M	507306	5/21/84	R	125	4	s	125	81-124	0.125x3	s	11	19	5/22/84
1bba	Motorola, Inc.	M-5MA	M	507304	4/30/84	R	302	4	s	302	250-302	0.125x3	s	10	11	5/28/84
1bba	Motorola, Inc.	M-5UA	M	507297	5/3/84	R	125	4	s	125	83-125	0.125x3	s	11	7	5/28/84
1bba	Motorola, Inc.	M-5LA	M	518240	10/8/87	R	750	6	s	702						
								4	s	750	700-750	0.125x3	s	22	36	1/30/88
1bcb	Motorola, Inc.	M-13UA	M	518238	10/9/87	R	140	4	s	134	84-134	0.125x3	s	5	71	2/5/88
1bcc	Motorola, Inc.	M-2MA	M	507296	4/9/84	R	303	4	s	303	250-303	0.125x3	s	10	2	5/24/84
1bcc	Motorola, Inc.	M-2UA	M	507303	4/12/84	R	125	4	s	121	79-121	0.125x3	s	12	52	5/24/84
1bcc	Motorola, Inc.	M-2LA	M	518239	9/30/87	R	710	6	s	660			s			
								4	s	710	660-710	0.125x3	s	23	23	2/4/88
1bda	Motorola, Inc.	ST-2	M	506170	8/11/83	R	125	6	PVC	125	85-125	0.125x3	s	6	12	8/18/83
1bda	Motorola, Inc.	ST-3	M	506171	8/11/83	R	106	6	PVC	104	64-104	0.125x3	s	6	50	8/18/83
1bdb	Motorola, Inc.	M-4MA	M	507295	4/26/84	R	302	4	s	302	250-302	0.125x3	s	10	10	5/18/84
1bdb	Motorola, Inc.	M-4UA	M	507302	4/26/84	R	120	4	s	115	73-115	0.125x3	s	12	52	5/18/84
1bdd	Motorola, Inc.	M-3MA	M	507294	4/19/84	R	303	4	s	303	250-303	0.125x3	s	3	0.1	5/23/84
1bdd	Motorola, Inc.	M-3UA	M	507301	4/20/84	R	125	4	s	124	82-124	0.125x3	s	12	20	5/23/84
1cac	City of Scottsdale	PG-26UA	M	535469	8/20/92	AR	125	6	s	125	57-119	0.25x1½	m			

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CITY OF MESA NW WRP
WELL INFORMATION (Continued)

Location	Well Owner	Local ID	Well Use	Well Reg. No.	Date Drilled	Drilling Method	Depth Drilled (feet)	Casing Diam. (inch)	Casing Type	Cased Depth (feet)	Perforated Interval (feet)	Perforations size (inch)	Perforations Type	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Date Pumping Meas.
(A-1-4) 1cbb	EPA	E-13UA	M	55-523302	3/15/89	H	121	4	s	120	90-120	0.02	w			
1cda	SRP	23.5E-5.3N	I	608365	7/6/52	C	850	20	s	850	300-820	⅝x4½	m	2,190		9/22/94
2abb	EPA	E-7LA	M	520076	9/23/88	R	632	6	s	530						
								4	s	600	550-600	0.125x3	s	61	16	11/3/88
2abb	EPA	F-1	M	520078	10/18/88	R	143	4	s	130	100-130	0.125x3	s	25	9	11/8/88
2abd	City of Scottsdale	PG-22UA	M	535467	8/7/92	AR	148	6	s	148	83-143	0.25x1½	m			
2acd	EPA	E-5MA	M	520077	9/30/88	R	305	6	s	249						
								4	s	300	250-300	0.125x3	s	60	7	11/2/88
2bda	City of Scottsdale	PG-25UA	M	535468	8/18/92	AR	153	6	s	153	87-150	0.25	m			
2dad	Beckman Instr.		M	523247	1/26/89	R	125	4	s	120	90-120	0.125	s	11	2	1/26/89
2dba	Beckman Instr.		M	510690	4/23/85	C	300	8	s	250						
								5	s	300	250-300	0.125x3	s	33	11	5/23/85
2dbb	SRP	22.5E- 5.5N	I	608363	11/19/48	C	610	20	s	520	210-505	⅝x4½	m	1,630		7/28/86
2dbb	City of Scottsdale	PG-19UA	M	535474	7/30/92	AR	158	6	s	158	82-155	0.25x1½	m			
2dbd	EPA	E-8MA	M	520075	10/24/88	R	315	6	s	250						
								4	s	300	250-300	0.125x3	s	58	19	11/5/88
2dca	EPA		M	510210	6/2/85	R	131	4	s	131	81-131	0.125x3	s	70	2	6/14/85
2dcb	City of Scottsdale	PG-18UA	M	535470	7/28/92	AR	160	6	s	160	75-155	0.25x1½	m			
2dcc	Circle K	MVAS-1	M	548667	5/4/95	H	99	4	PVC	98	38-98	0.02	s			
2dcc	Circle K	MVAS-2	M	548668	5/5/95	H	99	4	PVC	98	38-98	0.02	s			
2dcc	Circle K	MW-3	M	548669	5/9/95	H	99	4	PVC	98	63-98	0.02	s			
2dcc	Circle K	MW-4	M	548670	5/10/95	H	99	4	PVC	98	63-98	0.02	s			
2dcc	Circle K	MW-5	M	548671	5/11/95	H	99	4	PVC	98	63-98	0.02	s			
2dcc	Circle K	B-9	M	548672	3/11/96	H	95	4	PVC	95	55-95	0.02	s			
2dcc	Circle K	B-7	M	548673	2/29/96	H	100	4	PVC	100	60-100	0.02	s			
2dcc	Circle K	B-6	M	548674	2/28/96	H	100	4	PVC	100	60-100	0.02	s			
2dda	Beckman Instr.		M	510693	5/22/85	C	113	4	s	116	66-116	0.125x3	s	34	38	5/17/85
2dda	EPA		M	523301	3/16/89	H	110	1	PVC	59	4-59	0.08	s			
2ddb	City of Scottsdale		P	626824	9/15/77	C	700	16	s	500	350-480	5/32 x2½	s			
								14	s	700	484-700	0.25x1½	s			
2ddd	Beckman Instr.	B-1	M	510691	5/3/85	C	122	4	s	124	72-122	0.125x3	s	29	2	5/8/85
2ddd	Beckman Instr.	B-3	M	510692	5/13/85	C	120	4	s	120	70-120	0.125x3	s	34	43	5/13/85

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CITY OF MESA NW WRP
WELL INFORMATION (Continued)

Location	Well Owner	Local ID	Well Use	Well Reg. No.	Date Drilled	Drilling Method	Depth Drilled (feet)	Casing Diam. (inch)	Casing Type	Cased Depth (feet)	Perforated Interval (feet)	Perforations size (inch)	Perforations Type	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Date Pumping Meas.
(A-1-4) 11aba	City of Scottsdale	PG-27UA	M	55-535472	8/21/92	AR	121		s		51-111	0.25x1½	m			
11aba	City of Tempe	No. 6	P	628167	12/12/60			20	s	1,050	205-					
11abb	City of Scottsdale		M	539912	8/4/93	H	90	4	PVC	90	55-90	0.02	s			
11abb	City of Scottsdale		M	539913	8/3/93	H	90	4	PVC	90	55-90	0.02	s			
11abb	City of Scottsdale		M	539914	8/3/93	H	90	4	PVC	90	55-90	0.02	s			
11ada	Motorola, Inc.	PA-23MA	M	526968	10/19/90	R	300	6	s	250						
								4	s	300	250-300	0.125x3	s			
11ada	Motorola, Inc.	PA-22LA	M	526969	10/12/90	R	635									
11dba	Indian Bend Golf		I	527102	7/16/90	C	622	12	s	624	300-610	0.375x3	m	800	10	7/24/90
11dcc	City of Scottsdale	No. 69	P	805178			800	16	s							
11dda	B. Jones		M	538744	5/14/93		105	4	PVC	105	25-105	0.02	s			
13aaa	ADOT	DM-1	O	516537	2/10/87	H	90	4	PVC	90	70-90	0.04	s			
13aab	ADOT		O	527564	6/6/90	H	170	2	PVC	170	20-170	0.02	s			
13abb	ADOT		O	527565	6/6/90	H	170	2	PVC	170	20-170	0.02	s			
13abb	Kachina Redi Mix		G	800559	1960		450	12	s	400				100		
13abc	ADOT		O	522615	11/20/88	H	100	4	PVC	100	40-100	0.02	s			
13aca	Kachina Redi Mix		G	800561	1960		400	12	s	350				100		
13adb	Tri City Redi Mix		G	800535	2/63		300	10		250						
13adb	Tri City Redi Mix	TCB4	M	530092	12/4/90	H	130	4	PVC	130	90-130	0.02	s			
13adb	Tri City Redi Mix	TCW2	M	530299	9/4/91	H	110	4	PVC	110	50-110	0.02				
13adb	Tri City Redi Mix	TCW3	M	530300	9/5/91	H	110	4	PVC	110	50-110	0.02				
13adb	Tri City Redi Mix		M	530303	11/29/90	H	130	4	PVC			0.02				
13adc	J. Brock		D	634715	12/31/71			8	s	270				60		
13adc	T. Nesbitt		D	634457			200	16		180				35		
13add	T. Nesbitt Mix		G	628942	7/17/73	C	400	12	s	400	100-380	0.375x4	m			
13add	ADOT		M	526944	3/2/90	H	120	4	PVC	120	40-120	0.02	s	12		3/20/90
13baa	ADOT		O	527566	6/6/90	H	170	2	PVC	170	150-170	0.02	s			
13bac	Kachina Redi Mix		G	087355	5/9/81	C	497	12	s	390						
								10	s	497	401-497	0.25x2	m	870	13	5/14/81
13bac	Kachina Redi Mix		G	800560	5/8/81		400	12		300				500		
13bac	ADOT		O	522613	11/15/88	H	115	4	PVC	115	50-115	0.02	s			

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CITY OF MESA NW WRP
WELL INFORMATION (Continued)

Location	Well Owner	Local ID	Well Use	Well Req. No.	Date Drilled	Drilling Method	Depth Drilled (feet)	Casing Diam. (inch)	Casing Type	Cased Depth (feet)	Perforated Interval (feet)	Perforations size (inch)	Perforations Type	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Date Pumping Meas.
(A-1-4) 13bad	ADOT		O	55-522616	11/20/88	H	120	4	PVC	120	40-120	0.02	s			
13bad	Ruck		M	566308	1/9/98	R	95	6	s	95						
13bba	ADOT		O	527567	6/6/90	H	170	2	PVC	100	80-100	0.02	s			
13bbb	ADOT		O	527568	6/6/90	H	170	2	PVC	170	125-170	0.02	s			
13bcc	EPA	SIBW-7U	M	532163	11/9/91	H	130	4	s	129	74-129	0.125x3				
13bcc	APS		IND	613077	1959		740	20	s	740				1,600		
13caa	Griffith		D	634038	1944		98	8		98						
13cab	EPA	SIBW-8U	M	529751	11/20/90	H	135	4	s	135	72-135	0.125x3		10		12/90
13cab	EPA	SIBW-18M	M	531919	6/13/91	H	310	4	s	310	260-310	0.125	s	10		10/91
13cac	Palm Harbor Homes		M	538486	7/7/93	H	71	4	PVC	70	30-70	0.02				
13cac	Palm Harbor Homes		M	538487	7/7/93	H	71	4	PVC	70	30-70	0.02				
13cac	Palm Harbor Homes		M	538488	7/8/93	H	71	4	PVC	70	30-70	0.02				
13cac	Palm Harbor Homes		M	546707	1/21/95	S	50	4	PVC	50	40-50		s			
13cac	Palm Harbor Homes		M	546708	1/23/95	S	70	4	PVC	70	50-70		s			
13cac	Palm Harbor Homes		M	546709	1/25/95	S	70	4	PVC	70	50-70		s			
13cac	Palm Harbor Homes		M	546710	1/27/95	S	50	4	PVC	50	35-50		s			
13cac	Palm Harbor Homes		M	546711	1/29/95	S	50	4	PVC	50	35-50		s			
13cac	Palm Harbor Homes		M	546712	1/31/95	S	50	2	PVC	50	35-50		s			
13cac	Palm Harbor Homes		M	546713	1/31/95	S	50	2	PVC	50	35-50		s			
13cac	IMC Magnetics		M	533740	12/7/91		129	4		129				10		
13cbc	EPA	SIBW-ED-2	M	541724	12/8/93	AR	117	4	s	117	37-117	0.125x3	m			
13cbc	EPA	SIBW-ED-3	M	541725	12/13/93	AR	117	4	s	117	37-117	0.125x3	m			
13cbd	ADEQ		M	558066	7/14/96		68	1	PVC	68	6-63	0.08				
13cbd	Palm Harbor Homes		M	548168	7/8/95	S	50	2	PVC	50	35-50		s			
13cbd	Palm Harbor Homes		M	547104	1/20/95	S	70	2	PVC	70	50-70		s			
13cca	IMC Magnetics	SIBW-22U	M	533989	1/12/92	H	131	4	PVC	131	71-131	0.04	s	10		1/14/92
13cca	IMC Magnetics	SIBW-21U	M	533988	7/28/92	H	131	4	PVC	130	70-130	0.04	s	10		8/7/92
13cca	IMC Magnetics	SIBW-19U	M	533740	12/7/91	H	129	4	PVC	129	70-129	0.04	s	10		1/6/92
13cbd	IMC Magnetics	SIBW-20U	M	533746	12/6/91	H	131	4	PVC	131	71-131	0.04	s	10		1/6/92
13cdb	EPA	SIBW-15M	M	531929	6/13/91	H	310	4	s	310	260-310	0.125	s	10		10/91
13cdb	EPA	SIBW-1U	M	529754	11/13/90		134	4	s	134	79-134	0.125x3		10		4/16/91
13daa	EPA	SIBW-11MC	M	529951	3/16/91	R	500	10	s	438						
								4	s	500	450-500	0.125x3	s	10		10/91

Continued:

CITY OF MESA NW WRP
WELL INFORMATION (Continued)

Location	Well Owner	Local ID	Well Use	Well Reg. No.	Date Drilled	Drilling Method	Depth Drilled (feet)	Casing Diam. (inch)	Casing Type	Cased Depth (feet)	Perforated Interval (feet)	Perforations size (inch)	Perforations Type	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Date Pumping Meas.
(A-1-4) 13daa	EPA	SIBW-2U	M	55-532160	10/19/91		115	4	s	115	80-115	0.125x3	s	10		12/90
13dab	EPA	ASM-1	M	541095	11/30/93	AR	117	4	s	117	37-117	0.125	s			
13dac	EPA	SIBW-36U	M	539970	8/26/93	H	113	4	s	112	32-112	0.375x3	s			
13dad	EPA	SIBW-37U	M	540225	8/25/93	H	116	4	s	115	35-115	0.375x3	s			
13dba	Unitog Rental	UT-1	M	541902	1/3/94	H	119	4	PVC	119	39-119	0.02	s			
13dbb	EPA	SIBW-9U	M	532162	11/6/91		119	4	s	119	74-119	0.125x3		10		12/90
13dbc	Unitog Rental		M	541905	1/10/94		119	4								
13dbc	ADEQ		O	558065	6/27/96		60	1	PVC	58	6-58	0.08	s			
13dbd	Unitog Rental	UT-4	M	541903	1/12/94	H	119	4	PVC	119	39-119	0.02	s			
13dbd	Unitog Rental	UT-3	M	541904	1/11/94	H	119	4	PVC	119	39-119	0.02	s			
13dca	ADEQ		O	558063	6/19/96		70	1	PVC	70	20-70	0.08				
13dca	ADEQ		O	558064	6/21/96		62	1	PVC	62	6-62	0.08				
13dca	EPA		M	538656	4/12/93	H	119	4	s	119	39-119	0.125	s			
13dcb	EPA	SIBW-31U	M	539965	7/23/93	H	119	4	s	116	36-116	0.375x3	s			
13dda	ADEQ		O	558067	6/25/96		60	1	PVC	60	6-60	0.08				
13ddb	EPA	SIBW-6U	M	529752	10/22/91		111		s	111	79-111	0.125x3				
13ddd	EPA	SIBW-32U	M	539966	7/21/93	H	116	4	s	115	35-115	0.375x3	s			
13ddd	EPA	SIBW-33U	M	539967	7/21/93	H	116	4	s	115	35-115	0.375x3	s			
14aaa	ADOT		O	527137	3/21/90	H	150	2	PVC	110	100-110	0.02	s			
14aaa	ADOT		O	527138	3/21/90	H	120	2	PVC	110	100-110	0.02	s			
14aab	ADOT		O	527569	6/6/90	H	170	2	PVC	120	100-120	0.02	s			
14abb	City of Tempe	PZ-52	O	542985	4/9/94	AR	109	2	s	108	58-108	0.125x3				
14abc	City of Tempe	TW-3	M	542987	4/9/94		133	6	PVC	127	27-100	0.04				
14abc	City of Tempe	PZ-50	O	542983	4/13/94	AR	148	2	s	130	80-130	0.125x3				
14abc	SRP	HRLF-1	M	517066	4/12/87	H	65	4	PVC	34						
								4	ss	64	34-63	0.03				
14abc	SRP	HRLF-2	M	517067	4/12/87	H	66	4	PVC	36						
								4	ss	66	36-65	0.03				
14abc	SRP	HRLF-3	M	517068	4/13/87	H	59	4	PVC	26						
								4	ss	56	26-55	0.03				
14abc	SRP	HRLF-4	M	517069	4/13/87	H	57	4	PVC	27						
								4	ss	57	27-56	0.03				

Continued:

CITY OF MESA NW WRP
WELL INFORMATION (Continued)

Location	Well Owner	Local ID	Well Use	Well Reg. No.	Date Drilled	Drilling Method	Depth Drilled (feet)	Casing Diam. (inch)	Casing Type	Cased Depth (feet)	Perforated Interval (feet)	Perforations size (inch)	Perforations Type	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Date Pumping Meas.
(A-1-4)14acb	City of Tempe	PZ-49	O	55-542982	4/11/94	AR	131	2	s	130	80-130	0.125x3				
14acb	City of Tempe	No. 6	R	551606	3/7/98	A	140	24	ss	137	36-126			1,245	18	2/98
14daa	APS	No. 1	IND	613078	6/18/57		700	24	s	634						
14dab	APS	No. 4	IND	514735	11/15/86	RR	810	18	s	650						
								14	s	800	650-800	0.125	L	2,000	24	12/1/87
14dab	APS		M	560296	12/16/96	H	111	4	PVC	105	35-100	0.04				
14dbc	EPA	SIBW-4U	M	529748	10/16/90		130	4	s	130	70-130	0.125x3		10		12/90
14dbc	EPA	SIBW-14MC	M	529952	4/6/91	R	446	10	s	362						
								4	s	446	396-446	0.125x3	s	10		10/91
14dbd	APS		M	560297	12/12/96	H	101	4	PVC	100	35-100	0.04				
14ddb	APS		M	560300	12/9/96	H	111	4	PVC	105	35-100	0.04				
14ddb	APS		M	560299	12/10/96	H	111	4	PVC	105	35-100	0.04				
(A-2-4)35dcc	SRP	22.5E-6N	I	608432	11/8/52	C	660	20	s	660	135-640	⅝x4½	m			
35ddc	Motorola, Inc.	M-10LA	M	509765	4/29/85	R	700	4	s	700	648-700	0.125x3	s	7	7	6/1/85
35ddc	Motorola, Inc.	M-10MA	M	509767	4/4/85	R	302	4	s	302	248-302	0.125x3	s	5	42	6/1/85
35ddc	Motorola, Inc.	M-10UA	M	509766	4/8/85	R	150	4	s	147	104-147	0.125x3	s	7	32	6/1/85
36cdc	Motorola, Inc.	M-15MA	M	518802	10/28/87	R	300	6	s	251						
								4	s	300	250-300	0.125x3		24	6	1/28/88
36cdc	Motorola, Inc.	M-15UA	M	518803	10/28/87	R	125	4	s	125	85-125	0.125x3		1	0.3	1/29/88
(A-1-5)5aaa	Salt River PMIC	Sunshine Farms No. 1	U		6/48		325	20								
6aca	Salt River PMIC		I		1/10/70	C	650	10	s	553	400-535	0.25x4				
6bda	Salt River PMIC		U		3/26/48		300	20	s	300	90-300	⅝x5				
6caa	Salt River PMIC	No. 10	I		2/61		596	20	s	596	120-580	0.25x4		1,820		9/16/75
7cbc	ADOT		O	527612	7/31/90	H	150	2	PVC	97	67-97	0.02				
8aaa	Johnson-Stewart		G	622567			409	8		387						
8aaa	Johnson-Stewart		G	622568	8/8/73		360	16		350	150-350					
8bad	CalMat		G	611457	12/20/73	C	495	20		234						
								18		495	234-495	0.25x1½				
8da	Johnson-Stewart		G	622569				8								
8da	Johnson-Stewart		G	622571				8								
8dd	Johnson-Stewart		G	622570				8								
17aaa	SRP	26E-3.9N	I	617842	5/28/46	C	450	24		450	80-438	¼x5		2,480		6/23/94
17caa	SRP	25.5E-3.5N	I	617114	10/5/50	C	600	20		598	150-585	⅝x4½		100		
18aac	City of Mesa	NW-4	IND	629617	1949		275	12		266						

Continued:

CITY OF MESA NW WRP
WELL INFORMATION (Continued)

Location	Well Owner	Local ID	Well Use	Well Reg. No.	Date Drilled	Drilling Method	Depth Drilled (feet)	Casing Diam. (inch)	Casing Type	Cased Depth (feet)	Perforated Interval (feet)	Perforations size (inch)	Perforations Type	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Date Pumping Meas.
(A-1-5) 18abc	City of Mesa	MRW-1	U	55-537951	2/8/93	RR	420	18	s	390	110-380	0.125	L			
18acc	City of Mesa	NW-3	M	522680	4/5/89	C	170	8	s	170	70-170	3/16 x3	s	82	18	6/8/89
18acc	City of Mesa	MOW-1	O	537599	2/14/93	H	260	2	PVC	70	50-70	0.02	s			
			O	537600				2	PVC	110	90-110	0.02	s			
			O	537601				2	PVC	150	130-150	0.02	s			
			O	537602				2	PVC	260	210-260	0.02	s			
18acc	City of Mesa	MOW-2	O	537603	2/19/93	H	260	2	PVC	70	50-70	0.02	s			
			O	537604				2	PVC	110	90-110	0.02	s			
			O	537605				2	PVC	150	130-150	0.02	s			
			O	537606				2	PVC	260	210-260	0.02	s			
18bbb	ADOT		O	527614	7/3/90	H	149	2	PVC	105	70-105	0.02	s			
18bbc	City of Mesa	NW-1	M	522678	2/20/89	C	170	8	s	170	70-170	3/16 x3	s	84	65	6/8/89
18bcb	ADOT		O	520933	5/17/88	H	95	2	PVC	95	85-90	0.02				
18bcc	ADOT	DM-1	O	516537	2/10/87	H	90	4	PVC	90	70-90	0.04				
18bcd	City of Mesa	NW-2	M	522679	3/10/89	C	170	8	s	170	70-170	3/16 x3	s	86	18	6/5/89
18cbb	APS	No. 3	IND		6/15/59		800	20	s	400						
								16	s	800	400-790	½x4	s			
18cbd	C. Turner		D	636565	5/30/47		166	6		166				25		
18cdc	SRP	24.3E-3N	I	607744	10/31/51	C	770	20	s	734	145-720	⅝x4½	m	2,500	90	7/13/83
18dbb	V&P Nurseries		I	803663	7/1/81		515	8	s	499						
18ddd	SRP	25E-3.1N	I	607746	3/26/49	C	704	20	s	702	170-682	⅝x4½	m	2,120	57	8/15/83

EXPLANATION

Well Owner:
ADEQ - Arizona Department of Environmental Quality
ADOT - Arizona Department of Transportation
APS - Arizona Public Service
EPA - U.S. Environmental Protection Agency
SRP - Salt River Project

Well Use:
D - domestic
G - gravel processing
IND - industrial
I - irrigation
M - monitor
O - observation
P - public supply
R - recovery
U - unused

Drilling Method:
AR - air rotary
C - cable tool
H - dual wall air hammer
R - rotary
RR - reverse rotary
S - sonic resonance air casing
A - auger

Casing Type:
PVC - plastic
s - steel
ss - stainless steel

Perforation Type:
L - louvered
M - mills knife
s - slot
W - wire wrap

LOG OF WELL (A-1-5) 17ca

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	25	Cemented gravel and boulders
25	130	Hard clay and boulders
130	160	Clay and gravel
160	275	Clay
275	320	Hard clay and streaks of cement
320	418	Hard clay and some gravel
418	440	Packed sand and fine gravel
440	452	Clay
452	482	Hard clay gravel and caliche
482	516	Hard clay and cemented gravel
516	528	Gravel and streaks of cement
528	575	Hard clay and packed sand
575	585	Clay
585	600	Hard clay

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true best of my knowledge and belief.

RECEIVED
OCT 23 1950
STATE WATER RESOURCES DEPT.
STATE OF ARIZONA

Driller Roscoe Moss Company
Name

4360 Worth Street, Los Angel
Address

Date October 20, 1950

25½E-3½N

FORM W-3 2M 12-47 JAHN-TYLER

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

Report of Well Driller is required to be made and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, Seventeenth Legislature, First Special Session, 1945. A separate report shall be made for each well and filed within 30 days after completion of the well.

1. Owner Salt River Valley Water Users' Association
Name
Phoenix, Arizona.
Address

2. Lessee or Operator
Name
Address

3. Driller Roscoe Moss Company (Driller J. O. Evans)
Name
4360 Worth Street, Los Angeles, California.
Address

4. Location of well: Twp. 1-North Rge. 5-East Section 17 Maricopa County SE
~~NE~~ ¼ ~~NW~~ ¼ ~~SW~~ ¼
10-acre subdivision

DESCRIPTION OF WELL

5. Total depth of hole 600' ft.

6. Type of casing Hard red steel

7. Diameter and length of casing 20 in. from 0 to 598, ____ in. from ____ to ____, ____ in. from ____ to ____

8. Method of sealing at reduction points Not Reduced

9. Perforated from 150 to 585, from ____ to ____, from ____ to ____, from ____ to ____

10. Size of cuts 5/8 x 4½ Number cuts per foot 10 per 12 inches

11. If screen was installed: Length ____ ft. Diam. ____ in. Type ____

12. Method of construction Drilled Calif Type Cable Tool
drilled, dug, driven, bored, jetted, etc.

13. Date completed October 5, 1950
Month Year

14. Depth to water 82' ft.
If flowing well, so state.

15. Describe point from which depth measurements were made, and give sea-level elevation if available Ground Surface.

16. If flowing well, state method of flow regulation

DISCHARGE DATA

17. Well discharge 5/3/51: 3570 GPM
gal. per min. or cu. ft. per sec. or miner's inches.

18. Method of discharge measurement pitot tube
weir, orifice, current meter, etc.

19. Drawdown 23 ft.

20. Purpose of use Irrigation

21. Place of use: Twp. ____ Rge. ____ Section ____ ____ Acres ____
(See 22) Legal subdivision

22. Purpose of use

Twp. ____ Rge. ____ Section ____ ____ Acres ____
Legal subdivision

22. If well is part of irrigation system of Irrigation District, Association or Company, omit 23 and give name of project.

Name of Project

(A-1-5)17 cca

EQUIPMENT DATA

23. Kind of pump turbine
turbine, centrifugal, etc.

24. Kind of power electric
electric, natural gas, etc.

25. Horsepower rating of motor 200

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 10-23-50 by kb
Filed 12-15-50 by kb
File No. (A-1-5)17 ~~WAM~~
Cross-referenced (Name) ____ by ____
Cross-referenced (Basin) ____ by ____
Cross-referenced ____ by ____

(See Other Side)

LOG OF WELL (A-1-5) 17aa

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth a encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	4	Top soil
4	16	Clay
16	32	Sand and gravel 2"
32	65	Tight gravel.
65	102	Gravel and boulders.
102	140	Clay and gravel.
140	197	Clay, some caliche-gravel with hard cemented stre
197	206	Clay and small gravel 3/8" (soft).
206	265	Clay, hard cemented streaks some gravel.
265	296	Hard packed sand gravel 1/2".
296	375	Clay, hard cemented streaks, some sand and gravel.
375	450	Hard clay some gravel.

I hereby certify that I have read the foregoing statements, and that each and all of the items therein contained are true to the best of my kno and belief.

ROSCOE MOSS COMPANY,
~~XXXXXXXXXXX~~ Driller

4360 Worth St., Los Angeles, Calif.
Address

Date June 11, 1946.

(A-1-5)17 aaa

FORM W-2 10-45 JAHN-TYLER

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REGISTRATION OF WELL SRP 26E - 3.9N

Registration of well existing as of Oct. 3, 1945 is hereby made and filed with the State Land Commissioner as required by Section 5, Chapter 12, Senate Bill No. 3, Seventeenth Legislature, First Special Session 1946.

1. Owner Salt River Valley Water Users Association,
   Name
   Water Users Building, Phoenix, Arizona.
   Address

2. Lessee or Operator
   Name
   Address

3. Driller Roscoe Moss Company (By O. E. Jinings),
   Name
   4360 Worth Street, Los Angeles, California.
   Address

4. Location of well: Twp. 5-East Rge. 1-North Section 17 NE ¼ NE ¼ NE ¼
   26E 4N
   10-acre subdivision

DESCRIPTION OF WELL

5. Total depth of hole 450 ft.

6. Type of casing Hard red steel double stove pipe casing.

7. Diameter and length of casing 24 in. from 0 to 450 in. from to in. from to

8. Method of sealing at reduction points Not reduced.

9. Perforated from 80 to 438 from to from to from to

10. Size of cuts 3/4" X 5" Number cuts per foot 10 every 12 inches.

11. If screen was installed: Length None ft. Diam in. Type

12. Method of construction Drilled with California Type Cable Tool Equipment.
    drilled, dug, driven, bored, jetted, etc.

13. Date completed May 28, 1946. Deepened
    Month Year Month Year

14. Depth to water when drilled 32 ft.
    If flowing well, so state.

15. Present depth to water 32 ft. Date of measurement May 28, 1946.
    If flowing well, so state.

16. Describe point from which depth measurements were made, and give sea-level elevation if available Ground surface.

17. If flowing well, state method of flow regulation Not flowing.

Not tested.

DISCHARGE DATA

18. Well discharge 5/3/51: 2500 GPM
    gal. per min. or cu. ft. per sec. or miner's inches.

19. Method of discharge measurement pitot tube
    weir, orifice, current meter, etc.

20. Drawdown 16 ft.

21. Annual discharge in acre-feet, or number of hours pumped: 1944 a.f. or hrs. 1945 a.f. or hrs.

22. Purpose of use irrigation

23. Place of use: (See 24) Twp. Rge. Section Legal subdivision Acres
    Twp. Rge. Section Legal subdivision Acres

24. If well is part of irrigation system of Irrigation District, Association or Company, omit 23 and give name of project.
    Name of Project

EQUIPMENT DATA

25. Kind of pump turbine
    turbine, centrifugal, etc.

26. Kind of power electric
    electric, natural gas, etc.

27. Horsepower rating of motor 150

DO NOT WRITE IN THIS SPACE

OFFICE RECORD

Received June 12, '46 by
Filed June 14 by
File No. (A-1-5)17 aaa
Cross-referenced (Name) by
Cross-referenced (Basin) by
Cross-referenced by

LOG OF WELL (A-1-5) 16 cc

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water sian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	3	Top soil
3	12	Caliche
12	22	Boulders
22	150	Clay and boulders
150	162	Sand, gravel and boulders
162	184	Clay, sand and gravel
184	200	Clay and boulders
200	233	Clay and caliche
233	358	Hard clay and boulders
358	378	Cemented conglomerate
378	395	Streaks of hard and sticky clay
395	412	Sandy clay
412	450	Cemented conglomerate
450	537	Streaks of hard and sticky clay
537	552	Sandy clay and gravel
552	590	Hard conglomerate
590	618	Sticky clay and hard caliche
618	630	Cemented conglomerate
630	790	Streaks of hard and sticky clay
790	846	Sandy clay and some gravel
846	870	Hard clay
870	960	Hard conglomerate

RECEIVED SEP 27 1956 STATE LAND DEPT.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the stat herein contained are true to the best of my knowledge and belief.

Driller Roscoe Moss Company
Name

4360 Worth Street, Los Angeles, Ca
Address

Date September 25, 1956

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

EXCERPT OF 1945 GROUNDWATER LAW

Report of Well Driller must be prepared by the driller in all detail and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, First Special Session, 1945. This report should be in the mail within 30 days following completion of the well. Section 8 of the law provides: "Any person (includes any individual, firm, public or private corporation, or governmental agency) who shall fail or refuse to make any of the reports, give the notices required, or **fail to cooperate** with the State Land Commissioner or his representative, under the provisions of this Act, shall be guilty of a **misdemeanor** and shall be fined a sum not exceeding One Hundred Dollars."

26.3E-3N

1. OWNER SALT RIVER VALLEY WATER USERS' ASSN.
Name
P. O. BOX 1980, Phoenix, Ariz. Atten: J.F.Griswold,Secy.
Address

2. Lessee or Operator
Name
Address

3. DRILLER ROSCOE MOSS CO.
Name
LOS ANGELES,CALIF.
Address

4. Location of well: Twp. 1 N Rge. 5 E Section 16 SE ¼ SW ¼ SW ¼
10-acre subdivision

5. ~~Irrigation or Drill~~ File No. (A-1-5)16 ccd Permit No. (S-358)
Appl: S-376

DESCRIPTION OF WELL

6. Total depth of hole 960 ft.

7. Type of casing Kai-well

8. Diameter and length of casing 24 in. from 0 to 860, in: from to, in. from to

9. Method of sealing at reduction points

10. Perforated from 300 to 846, from to, from to, from to

11. Size of cuts 5/8 x 4-1/2 Number of cuts per foot 10 per 12 inches

12. If screen was installed: Length ft. Diam. in. Type

13. Method of construction Drilled Calif Type Cable Tool
drilled, dug, driven, bored, jetted, etc.

14. Date started June 12, 1956
Month Day Year

15. Date completed Sept 18, 1956
Month Day Year

16. Depth of water 135 ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available
Ground Surface.

18. If flowing well, state method of flow regulation

19. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 9-27-56 by ZG
Filed 9-27-56 by ZG
File No. (A-1-5)16 ccd.

(Well Log to Appear on Reverse Side)

WD FORM G-301
REV. 4-27-53
1
2M 5-54

LOG OF WELL

(A-1-5) 16 c6 c

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of Formation Material
70	150	Cobble stones
150	160	rock and gravel
160	410	sandy clay and gravel
410	450	sand and gravel
450	570	sandy clay, gravel
570	590	gravel and sand
590	600	gravel, sandy clay
600	700	gravel and clay
700	780	sand, gravel and clay
780	810	sandy clay, trace of gravel
810	850	sand and gravel
850	860	hard clay with sand and rock imbedded
860	1010	sand and gravel
1010	1040	sand, gravel and rock
1040	1070	sand, gravel and clay
1070	1170	gravel and rock
1170	1210	gravel
1210	1230	rock and gravel
1230	1250	rock, gravel and clay
1250	1260	gravel and clay
1260	1270	gravel
1270	1300	gravel and rock

I hereby certify that this well was drilled by me(or under my supervison), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: BEYLIK DRILLING, INC.

555 S. Harbor Blvd.
Street

La Habra, California 90631
City State Zip

(310) 691-0903 May 10, 1996
Phone Number Date

DWR-55-55 (Rev 10/95)

CITY WELL No. 25

RECEIVED
1996
RECORDS MGT

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION

500 North Third Street, Phoenix, Arizona 85004-3903
Phone (602) 417-2470 Fax (602) 417-2422

WELL DRILLER REPORT

This report should be prepared by the Driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner's Name: CITY OF MESA, Arizona City Zone No. 25
   Address: 55 North Center Street - Mesa Arizona 85211
   Street City State Zip

2. Driller's Name: BEYLIK DRILLING, INC.
   Address: 555 South Harbor Boulevard LA HABRA, CALIF. 90631
   Street City State Zip

3. Location: SW ¼ NW ¼ SW ¼ of Section 16 Township 1N Range 5E
   10 ACRE 40 ACRE 160 ACRE -Gila & Salt River Base & Meridian, Maricopa County, AZ

4. Well Registration No. 55- 546718 (Required)

5. Permit No. _____ (If issued)

DESCRIPTION OF WELL

6. Total Depth of Hole 1300 ft.
7. Type of Casing steel
8. Diameter and length of casing 20 inches from +2 ft. to 1290 ft. _____ inches from _____ to _____
9. Method of sealing at reduction points pressure grout
10. Perforated from 770 ft. to 1270 ft. from _____ to _____ from _____ to _____
11. Size of cuts .090" Number of cuts per foot Moss Ful-flo
12. If screen was installed: Length _____ feet. Diameter _____ inches. Type _____
13. Method of construction reverse circulation method
    (drilled, dug, driven, bored, jetted, etc)
14. Date started March 15th, 1996
    Month Day Year
15. Date Completed May 9th, 1996
    Month Day Year
16. Depth to water _____ ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available _____
18. If flowing well, state method of flow regulation:
19. Remarks: Well No. 25 was completed to 1300 ft.
    located on Alma School Road south of 7th St.

(1-1-5)16 cbc

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No. _____
File No. _____
Received _____ By _____
Entered ENTERED MAY 20 1996 By _____

DWR-55-55 (Rev 10/95)

LOG OF WELL (A-1-5) 16abb

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	5	Soil and Fill
25	50	Boulders
50	62	Sand, Gravel and Boulders
62	165	Gravel and boulders
165	225	Mud
225	260	Sand and gravel
260	270	Clay
270	306	Sand and gravel
306	325	Sand
325	373	Cemented sand
373	377	Sand and gravel
377	381	Sand and clay
381	409	Clay and gravel
409	425	Cemented sand
425	433	Clay and gravel
433	437	Clay
437	445	Cemented sand
445	485	Hard clay
485	517	Sandy Clay and gravel
517	565	Sandy Clay
565	581	Cemented sand
581	633	Sandy Clay and gravel
633	700	Hard clay and streaks of cemented sand
		First encountered water at 115'
		Static level 113'

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true best of my knowledge and belief.

Driller Aubrey Lyon Well Contractor
By H.S.Bobe
Name
Address 8195 Lankershim Blvd
No. Hollywood, Calif.
Date

RECEIVED
JAN 3 1959
WATER DIVISION
State Land Department

FORM W-3 2M 8-48 JAHN-TYLER

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER SRP 26.6E-4N

Report of Well Driller is required to be made and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, Seventeenth Legislature, First Special Session, 1945. A separate report shall be made for each well and filed within 30 days after completion of the well.

1. Owner ~~Salt River Valley Water Users Assn~~ (Name)
Phoenix Arizona (Address)

2. Lessee or Operator (Name)
(Address)

3. Driller Aubrey Lyon Well Contractor (Name)
8195 Lankershim Blvd
No. Hollywood, Calif (Address)
(26-5/8E - 4N)

4. Location of well: Twp. 1 N Rge. 5 E Section 9 ~~SE~~ ¼ ~~SW~~ ¼ ~~SE~~ ¼ (10-acre subdivision)

DESCRIPTION OF WELL

5. Total depth of hole 700 ft.

6. Type of casing 8 Ga Dbl stove pipe

7. Diameter and length of casing 20 in. from top to bottom, in. from to, in. from to

8. Method of sealing at reduction points

9. Perforated from 300 to 685, from to, from to, from to

10. Size of cuts 5/8 x 4 Number cuts per foot 10

11. If screen was installed: Length ft. Diam. in. Type

12. Method of construction drilled (drilled, dug, driven, bored, jetted, etc.)

13. Date completed 12/~~1~~/48 (Month, Year)

14. Depth to water First 115' Static Level 143' (If flowing well, so state.)

15. Describe point from which depth measurements were made, and give sea-level elevation if available

16. If flowing well, state method of flow regulation

DISCHARGE DATA

17. Well discharge 4700 g.p.m. (gal. per min. or cu. ft. per sec. or miner's inches.)

18. Method of discharge measurement pitot tube (weir, orifice, current meter, etc.)

19. Drawdown 30 ft.

20. Purpose of use Irrigation

21. Place of use: (See 22) Twp. Rge. Section Legal subdivision Acres

~~22. Purpose of use~~

Twp. Rge. Section Legal subdivision Acres

22. If well is part of irrigation system of Irrigation District, Association or Company, omit 21 and give name of project.

Name of Project

(A-1-5)9 dcd

EQUIPMENT DATA

23. Kind of pump Turbine (turbine, centrifugal, etc.)

24. Kind of power Electric (electric, natural gas, etc.)

25. Horsepower rating of motor 250

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 1/3/50 by kb
Filed 1/10/50 by kb
File No. (A-1-5)9 ded/6 a55
Cross-referenced (Name) by
Cross-referenced (Basin) by
Cross-referenced by

(See Other Side)

LOG OF WELL (A-1-5) 11 cac ~~dcd~~

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	5	soil
5	10	clay
10	85	gravel
85	145	boulders
145	160	gravel
160	220	boulders
220	300	gravel
300	308	gravel and sand
308	312	cemented sand
312	356	sand and gravel
356	386	cemented sand
386	396	sand and gravel
396	404	cemented sand
404	412	sand and gravel
412	428	cemented sand
428	436	sand and gravel
436	448	clay
448	452	clay and gravel
452	464	cemented sand
464	492	sand, gravel, and cemented sand
492	500	clay and gravel
500	508	cemented sand
508	680	clay and gravel
680	688	cemented sand
688	700	clay and gravel

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Driller Aubrey Lyon Well Contractor
Name

8195 Lankershim Blvd
No. Hollywood, Calif.
Address

Date 11/4/49

RECEIVED
NOV 8 1949
STATE LAND DEPT.
OF ARIZONA

FORM W-3 10-45 JAHN-TYLER

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

Report of Well Driller is required to be made and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, Seventeenth Legislature, First Special Session, 1945. A separate report shall be made for each well and filed within 30 days after completion of the well.

1. Owner ~~Salt River Valley Water Users' Assn.~~ SRP 28.3E-4.2N
Name

Address

2. Lessee or Operator
Name

Address

3. Driller Aubrey Lyon Well Contractor
Name
8195 Lankershim Blvd North Hollywood, California
Address

4. Location of well: Twp. 1N Rge. 5E Section 11 ~~SE¼ NW¼ SW¼~~ ¼
10-acre subdivision

DESCRIPTION OF WELL

5. Total depth of hole 700 ft.

6. Type of casing double stove pipe

7. Diameter and length of casing 24 in. from top to bottom in. from to , in. from to

8. Method of sealing at reduction points

9. Perforated from 210 to 685 , from to , from to , from to

10. Size of cuts 5/8 x 4½ Number cuts per foot 10

11. If screen was installed: Length ft. Diam in. Type

12. Method of construction drilled
drilled, dug, driven, bored, jetted, etc.

13. Date completed 3/12/49
Month Year

14. Depth to water 135 ft.
If flowing well, so state.

15. Describe point from which depth measurements were made, and give sea-level elevation if available

16. If flowing well, state method of flow regulation

DISCHARGE DATA

17. Well discharge 4998 g.p.m.
gal. per min. or cu. ft. per sec. or miner's inches.

18. Method of discharge measurement Pitot Tube
weir, orifice, current meter, etc.

19. Drawdown 10 ft.

20. Purpose of use Irrigation

21. Place of use: (See 22) Twp. Rge. Section Legal subdivision Acres

Twp. Rge. Section Legal subdivision Acres

22. If well is part of irrigation system of Irrigation District, Association or Company, omit 21 and give name of project.

Salt River Project
Name of Project

(A-1-5) 11 ~~ebd~~ caC

EQUIPMENT DATA

23. Kind of pump Turbine
turbine, centrifugal, etc.

24. Kind of power Electric
electric, natural gas, etc.

25. Horsepower rating of motor 250

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 11/8/49 by kb

Filed 11/18/49 by kb

File No. (A-1-5)11 ~~ebd~~ caC

Cross-referenced (Name) by

Cross-referenced (Basin) by

Cross-referenced by

(See Other Side)

LOG OF WELL (A-1-5)9 d

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If wate sian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	7	Top soil
7	40	Sand, gravel and boulders
40	132	Clay and boulders
132	170	Clay, caliche and gravel
170	210	Clay and boulders
210	244	Clay
244	344	Hard clay and boulders
344	373	Cemented conglomerate
373	385	Clay
385	444	Cemented conglomerate
444	556	Streaks ofhard and sticky clay
556	568	Sandy clay and gravel
568	630	Sticky clay and caliche hard
630	698	Hard caliche, clay and gravel
698	707	Sandy clay
707	750	Sticky clay and hard caliche
750	754	Sandy clay
754	855	Sticky clay and hard caliche
855	900	Hard, sticky clay

RECEIVED AUG 15 1956 STATE LAND DEPT.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the stat herein contained are true to the best of my knowledge and belief.

Driller Roscoe Moss Company
Name

4360 Worth Street, Los Angeles, Cal
Address

Date August 13, 1956

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

26½E-4½N

EXCERPT OF 1945 GROUNDWATER LAW

Report of Well Driller must be prepared by the driller in all detail and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, First Special Session, 1945. This report should be in the mail within 30 days following completion of the well. Section 8 of the law provides: "Any person (includes any individual, firm, public or private corporation, or governmental agency) who shall fail or refuse to make any of the reports, give the notices required, or fail to cooperate with the State Land Commissioner or his representative, under the provisions of this Act, shall be guilty of a misdemeanor and shall be fined a sum not exceeding One Hundred Dollars."

1. OWNER SALT RIVER VALLEY WATER USERS' ASSN (Name) SRP 26.5E-4.3N
P. O. BOX 1980, Phoenix, Arizona Atten: J. F. Griswold, Secy. (Address)

2. Lessee or Operator (Name)
(Address)

3. DRILLER Roscoe Moss Company (Name)
4360 Worth Street, Los Angeles, Calif (Address)

4. Location of well: Twp. 1 N Rge. 5 E Section 9 NW ¼ SW ¼ SE ¼ (10-acre subdivision)

5. ~~Intention to Drill~~ File No. (A-1-5)9 dcb Permit No. S-314
Appl. S-331

DESCRIPTION OF WELL

6. Total depth of hole 900 ft.

7. Type of casing "Kai-Well"

8. Diameter and length of casing 28 in. from 0 to 28, 24 in. from 0 to 754, in. from to

9. Method of sealing at reduction points

10. Perforated from 300 to 734, from to, from to, from to

11. Size of cuts 5/8 x 4-1/2 Number of cuts per foot 10 per 12 inches.

12. If screen was installed: Length ft. Diam. in. Type

13. Method of construction Drilled Calif Type Cable Tool (drilled, dug, driven, bored, jetted, etc.)

14. Date started March 28, 1956 (Month Day Year)

15. Date completed June 11, 1956 (Month Day Year)

16. Depth of water 72 ft. (If flowing well, so state.)

17. Describe point from which depth measurements were made, and give sea-level elevation if available
Ground Surface

18. If flowing well, state method of flow regulation

19. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 8-15-56 by HHL
Filed 8-15-56 by HHL
File No. (A-1-5) 9dcb.

(Well Log to Appear on Reverse Side)

WD FORM G-301
REV. 4-27-53
1
2M 5-54

LOG OF WELL (A-1-5) 8 b.

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If wate sian, indicate depth at which encountered, and depth to which it rose in well. (A-1-5) 8 bad

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	150	Sand, gravel & boulders
150	390	Clay & boulders
390	420	Cemented sandstone
420	495	Red granite

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statem herein contained are true to the best of my knowledge and belief.

Driller Edward Seeley
Name

P.O. Box 21305 Phoenix, AZ, 85036
Address

Date 4/14/76

2-73

(A-1-5) 8 bad

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

RECEIVED
JUL 7 1978
STATE LAND DEPT.
374

REPORT OF WELL DRILLER

This report should be prepared by the driller in all detail and filed with the State Land Commissioner following completion of the well.

1. OWNER Arizona Sand and Rock (Now Palms of Az.)
Name

Address

2. Lessee or Operator
Name

Address

3. DRILLER Moss-Weber, Inc.
Name

P.O. Box 21305, Phoenix, Arizona, 85036
Address

4. Location of well: Twp. 1N Rge. 5E Section 8 SE ¼ NE ¼ NW ¼
10-acre subdivision

5. Intention to Drill File No. Permit No.

DESCRIPTION OF WELL

6. Total depth of hole 495 ft.

7. Type of casing Mild Steel

8. Diameter and length of casing 20 in. from 0' to 234', 18 in. from 218' to 495', in. from to

9. Method of sealing at reduction points Swaged from 18" to 20"

10. Perforated from 234 to 495', from to , from to , from to

11. Size of cuts 1/4" x 1½" Number of cuts per foot 86 (Prepunched)

12. If screen was installed: Length ft. Diam. in. Type

13. Method of construction Drilled
drilled, dug, driven, bored, jetted, etc.

14. Date started November (Month) 5 (Day) 1973 (Year)

15. Date completed December (Month) 20 (Day) 1973 (Year)

16. Depth of water 179 ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available. Ground Level

18. If flowing well, state method of flow regulation

19. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 7-7-78 by jp

Filed 8-10-78 by jp

File No. A(1-5)8bad
35-36249

(Well Log to Appear on Reverse Side)

LOG OF WELL (A-1-5) 8 aa

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water sian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	50	Sand - Gravel - Boulders
50	60	Sand & Gravel
60	90	Sand & Gravel - Boulders
90	130	" " "
130	140	Clay
140	170	Sandy Clay
170	180	" "
180	230	" "
230	250	Sand & Gravel
250	300	Sandy Clay
300	360	Sandy Clay - Sand & Gravel

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statement herein contained are true to the best of my knowledge and belief.

Driller W. S. Weeks
Name

RT I Box 783 Lyreon
Address

Date Aug 9 1973

REPORT OF WELL DRILLER

This report should be prepared by the driller in all detail and filed with the State Land Commissioner following completion of the well.

1. OWNER Johnson-Stewart Materials
Name
1901 North Alma School Road Mesa, AZ 85201
Address

2. Lessee or Operator
Name
Address

3. DRILLER
Name
Address

4. Location of well: Twp. 1 N Rge. 5 E Section 9 NW ¼ NW ¼ NW ¼
10-acre subdivision

5. Intention to Drill File No. Permit No.

DESCRIPTION OF WELL

6. Total depth of hole 360 ft.

7. Type of casing 4" well

8. Diameter and length of casing 16 in. from to , in. from to , in. from to

9. Method of sealing at reduction points welded

10. Perforated from 150 to 350, from to , from to , from to

11. Size of cuts 3" Number of cuts per foot 6

12. If screen was installed: Length ft. Diam. in. Type

13. Method of construction Drilled
drilled, dug, driven, bored, jetted, etc.

14. Date started July (Month) 17 (Day) 73 (Year)

15. Date completed August (Month) 8 (Day) 73 (Year)

16. Depth of water 190 ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available
Sea Level

18. If flowing well, state method of flow regulation

19. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 8-24-73 by

Filed 8-31-73 by

File No. A(1-5)~~9 bbb~~ 8 aaa

24863

(Well Log to Appear on Reverse Side)

WD FORM G-201
REV. 4-27-53

LOG OF WELL (A-1-5) 6caa

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is sian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	18	Silt & Sand.
18	36	Coarse Sand.
36	180	Boulder Sand Gravel.
180	250	Sandy Clay. (Fine Sand)
250	275	Clay & Gravel.
275	310	Coarse Sand & Gravel.
310	425	Clay & Coarse Sand.
425	510	Clay & Gravel.
510	580	Coarse Sand & Gravel.
580	596	Clay

RECEIVED JUN 12 1962 STATE LAND DEPT.

9207

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statem herein contained are true to the best of my knowledge and belief.

Driller Arizona Well Builders Co
C. W. Thompson
Name
6049 S 12 Rd Phx
Address

Date May 31 1962

REPORT OF WELL DRILLER

This report should be prepared by the driller in all detail and filed with the State Land Commissioner following completion of the well.

1. OWNER Salt River Project
Name
Address

2. Lessee or Operator John Ellsworth 1645 N Idaho Mesa
Name
Address

3. DRILLER Layne & Bell Machy Co
Name
Address

4. Location of well: Twp. 1N Rge. 5E Section 6 NE¼ NE¼ NW¼
10-acre subdivision

5. Intention to Drill File No. (A-1-5)6 baa Permit No. 5603

DESCRIPTION OF WELL

6. Total depth of hole 526 ft.

7. Type of casing 24" 3/16 Steel

8. Diameter and length of casing 20 in. from 0 to 224, in. from to , in. from to

9. Method of sealing at reduction points

10. Perforated from 120 to 186, from 256 to 526, from to , from to

11. Size of cuts ¼ x 4 Number of cuts per foot 8

12. If screen was installed: Length ft. Diam. in. Type

13. Method of construction Welded.
drilled, dug, driven, bored, jetted, etc.

14. Date started Month Day Year

15. Date completed 4 28 61
Month Day Year

16. Depth of water
If flowing well, so state. ft.

17. Describe point from which depth measurements were made, and give sea-level elevation if available

18. If flowing well, state method of flow regulation

19. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 6-12-62 by K

Filed 7-12-62 by K

File No. (A-1-5)6 baa

(Well Log to Appear on Reverse Side)

WD FORM G-301
REV. 4-27-53

LOG OF WELL (A-1-5) 6 bda

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	13	Top Soil.
13	26	Sand
26	51	Gravel
51	70	Boulders
70	81	Sand and Boulders
81	109	Boulders
109	115	Gravel
115	132	Clay
132	152	Silt
152	164	Clay
164	170	Sand
170	247	Clay
247	258	Silt
258	300	Clay

I hereby certify that I have read the foregoing statements, and that each and all of the items therein contained are true to the best of my knowledge and belief.

S.L.D. Drilling Contractors
Owner, Operator or Driller

Box 624 Goodyear, Ariz
Address

Date March 26, 1948

FORM W-2 3M 8-46 JAHN-TYLER

RECEIVED
MAY 1948
LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

WATER DIVISION
State Land Department

REGISTRATION OF WELL

Registration of well existing as of Oct. 3, 1945 is hereby made and filed with the State Land Commissioner as required by Section 5, Chapter 12, Senate Bill No. 3, Seventeenth Legislature, First Special Session 1945.

1. Owner U. S. Government - Salt River Indian Reservation
   Name
   Rt. 1 Box 176 - U. S Indian Irrigation Service
   Address
2. Lessee or Operator E. H. Phillips - F. E. Stevenson
   Name
   Rt. 1 Box 142 Scotsdale, Ariz.
   Address
3. Driller S. L. D. Drilling Contractors
   Name
   1160 So. 7th St. Phoenix
   Address
4. Location of well: Twp. 1N Rge. 5E Section 6 NE ¼ SE ¼ NW ¼
   10-acre subdivision

DESCRIPTION OF WELL

5. Total depth of hole 360 ft.
6. Type of casing 8 ga Stove Pipe
7. Diameter and length of casing 20 in. from 0 to 300 ____ in. from ____ to ____, ____ in. from ____ to ____
8. Method of sealing at reduction points ____
9. Perforated from 90 to 300, from ____ to ____, from ____ to ____, from ____ to ____
10. Size of cuts 5/8" x 5" Number cuts per foot 8
11. If screen was installed: Length ____ ft. Diam. ____ in. Type ____
12. Method of construction Drilled
    drilled, dug, driven, bored, jetted, etc.
13. Date completed March 26, 1948 (Month, Year) Deepened ____ (Month, Year)
14. Depth to water when drilled 65 ft.
    If flowing well, so state.
15. Present depth to water 42 ft. Date of measurement March 26, 1948
    If flowing well, so state.
16. Describe point from which depth measurements were made, and give sea-level elevation if available
    Top of Casing
17. If flowing well, state method of flow regulation ____

DISCHARGE DATA

18. Well discharge ____
    gal. per min. or cu. ft. per sec. or miner's inches.
19. Method of discharge measurement ____
    weir, orifice, current meter, etc.
20. Drawdown ____ ft.
21. Annual discharge in acre-feet, or number of hours pumped: 1944 ____ a.f. or ____ hrs. 1945 ____ a.f. or ____ hrs.
22. Purpose of use ____
23. Place of use: (See 24) Twp. ____ Rge. ____ Section ____ ____ Legal subdivision ____ Acres ____
    Twp. ____ Rge. ____ Section ____ ____ Legal subdivision ____ Acres ____
24. If well is part of irrigation system of Irrigation District, Association or Company, omit 23 and give name of project.
    ____
    Name of Project

(A-1-5)6 bda

EQUIPMENT DATA

25. Kind of pump ____
    turbine, centrifugal, etc.
26. Kind of power ____
    electric, natural gas, etc.
27. Horsepower rating of motor ____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 5-13-48 by lj
Filed 5-19-48 by lj
File No. (A-1-5)6 bda
Cross-referenced (Name) ____ by ____
Cross-referenced (Basin) ____ by ____
Cross-referenced ____ by ____

LOG OF WELL

(A-1-5) 6a

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is sian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
	4	Fill
4	16	Caliche
16	115	Boulders - Gravel w/ trace clay
115	253	Brown Clay water at 115
253	293	Sandy Clay
293	303	Caliche type Clay w/ small Rock
303	332	Sand w/ trace Clay (Runny)
332	347	Clay w/ Gravel & Sand
347	369	Clay w/ Fine Sand (Loam) Shales
369	393	Clay w/ Gravel & Sand Clay w/
393	403	Silty-Gravely-Clay And Gravel
403	650	Clay - Between
		10 to 11 Grains per Gal. Hardness

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statem herein contained are true to the best of my knowledge and belief.

Driller JACK WILLIAMS
Well Drilling and Pump Servic
256 APACHE RD. PH. 386-4777
BUCKEYE, ARIZONA

Jack Williams

Date 1-13-70

REPORT OF WELL DRILLER

This report should be prepared by the driller in all detail and filed with the State Land Commissioner following completion of the well.

1. OWNER Bureau of Indian Affairs (Salt River)
Name
Address

2. Lessee or Operator James Moock,
Name
636 E. 3rd. St., Scottsdale, Az 85251
Address

3. DRILLER Jack Williams well Drlg & Pump Serv
Name
256 Apache Rd Buckeye, Ariz - 85326
Address

4. Location of well: Twp. 1 North Rge. 5 East Section 6 NE ¼ SW ¼ NE ¼
10-acre subdivision

5. Intention to Drill File No. A(1-5)6 aca Permit No.

DESCRIPTION OF WELL

6. Total depth of hole 450' ft.

7. Type of casing 10" x .279 wall, Black steel

8. Diameter and length of casing 10 in. from 0 to 523, ... in. from ..... to ....., ... in. from ..... to .....

9. Method of sealing at reduction points .....

10. Perforated from 400 to 535, from ..... to ....., from ..... to ....., from ..... to .....

11. Size of cuts 1/4 "X4" Number of cuts per foot 4

12. If screen was installed: Length ..... ft. Diam. ..... in. Type .....

13. Method of construction drilled (cable tool)
drilled, dug, driven, bored, jetted, etc.

14. Date started Nov 15 1969
Month Day Year

15. Date completed Jan 16 1970
Month Day Year

16. Depth of water 222' Static ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available
Ground Level measurement

18. If flowing well, state method of flow regulation .....

19. REMARKS: .....

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 4-9-70 by [illegible]

Filed 4-9-70 by [illegible]

File No. A(1-5)6 aca

(Well Log to Appear on Reverse Side)

WD FORM G-301
REV. 4-27-53

(A-1-5)5aaa

Sunshine Farms
Well #1

Driller's Log

26 E-6 N

0	- 1	soil
1	- 5	caliche
5	- 112	boulders
112	- 135	sand and gravel
135	- 200	gravel clay
200	- 214	cemented sand
214	- 223	gravel
223	- 325	cemented gravel and clay

Data obtained from Salt River Indian Agency
Land Operations Office, Phoenix

1-23-67 F. Arteaga

Well No. (A-1-5)5aaa

Latitude-longitude 33 27 55 (N) 111 51 25
d m s d m s

HYDROGEOLOGIC CARD

Physiographic Province: BASIN & RANGE 2 2 Section: SONORAN

DESERT Drainage basin: GILA RIVER 01 Subbasin: SALT RIVER

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat 27 V

Major aquifer: ______ system, ______ series, ______ aquifer, formation, group

Lithology: ______ Origin: ______ Aquifer Thickness: ______ ft

Length of well open to: ______ ft Depth to top of: ______ ft

Minor aquifer: ______ system, ______ series, ______ aquifer, formation, group

Lithology: ______ Origin: ______ Aquifer Thickness: ______ ft

Length of well open to: ______ ft Depth to top of: ______ ft

Depth to consolidated rock: ______ ft Source of data: ______

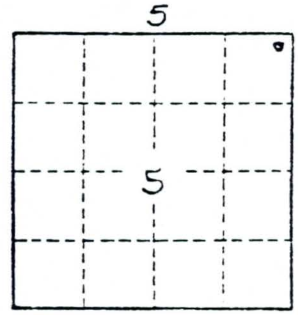
Depth to basement: ______ ft Source of data: ______

Surficial material: ______ Infiltration characteristics: ______

Coefficient Trans: ______ gpd/ft Coefficient Storage: ______

Coefficient Perm: ______ gpd/ft^2; Spec cap: ______ gpm/ft; Number of geologic cards: ______

CASED: 20", 0-113; 16", 113-325'.



Well No. (A-1-5)5aaa

GPO 857-700

W.R.D Exp. (34)
April 1966

WELL SCHEDULE

U.S. DEPARTMENT OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

Rec. by: 2-12-57 ... Date: 3/68 — Map: Mesa 7½' 1952

State: ARIZONA [2] County: MARICOPA [0 7]

Latitude: 33 21 15 [...] Longitude: 111 51 25 — Sequential number: [1]

... 1 S, R 5 E, Sec 5, ... GILA & SALT R. B & M

Well number: A-01-05 05 AAA — Other number: 26 E G N

Local use: SRV — Owner or name: U.S. IND. IRR. SER. SUNSHINE FARMS

Owner or name: — Address:

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — [F]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — [I]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — [W]

DATA AVAILABLE: Well data [ ] Freq. W/L meas.: ANNUALLY, 1957-66 [A] Field aquifer char. [ ]

Hyd. lab. data: [ ]

Qual. water data; type: [ ]

Freq. sampling: [ ] Pumpage inventory: yes no, period: [ ]

Aperture cards: yes [ ]

Log data: DRILLER'S [D]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: 325 ft [325] Meas. rept. DRILLER accuracy [ ]

Depth cased: (first perf.) ft [ ] Casing type: ; Diam. 20-16 in [20]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other [ ]

Method Drilled: (A) air rot., (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other [ ]

Date Drilled: 1948 [948] Pump intake setting: ft [ ]

Driller: name, address

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [ ] Deep Shallow [D]

Power (type): diesel, elec, gas, gasoline, nat. gas, LP gas, wind; H.P. [ ] Trans. or meter no.

Descrip MP: HOLE IN PUMP BASE 1.0 ft above below LSD, Alt. MP

Alt LSD: 1219 [1219] Accuracy (source): Nearby Sec. Cor. [3]

Water Level: 134. ft above below MP; Ft above below LSD [133] Accuracy: [ ]

Date meas: 2-12-57 [257] Yield: gpm [ ] Method determined [ ]

Drawdown: ft [ ] Accuracy: [ ] Pumping period hrs [ ]

QUALITY OF WATER DATA: Iron ppm [ ] Sulfate ppm [ ] Chloride ppm [ ] Hard. ppm [ ]

Sp. Conduct K x 10^6 [ ] Temp. °F [ ] Date sampled [ ]

Taste, color, etc.

Well No. (A-1-5)5aaa

LOG OF WELL (A-1-5) 4ddd

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If wa sian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	10	Top soil
10	143	Sand, gravel and boulders
143	170	Sand
170	195	Sandy clay
195	215	Tight sand
215	230	Loose sand
230	267	Sand, gravel and boulders
267	494	Sandy clay with cemented sand streaks
494	540	Sand, gravel and boulders
540	556	Sandy clay
556	560	Sand
560	630	Sand and gravel
630	660	Sand and gravel
660	742	Sticky conglomerate
742	812	Sandy clay

RECEIVED JUN 24 1955 STATE LAND DEPT.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the stat herein contained are true to the best of my knowledge and belief.

Driller Roscoe Moss Company
Name

4360 Worth Street, Los Angeles, Calif
Address

Date June 22, 1955

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

EXCERPT OF 1945 GROUNDWATER LAW

Report of Well Driller must be prepared by the driller in all detail and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, First Special Session, 1945. This report should be in the mail within 30 days following completion of the well. Section 8 of the law provides: "Any person (includes any individual, firm, public or private corporation, or governmental agency) who shall fail or refuse to make any of the reports, give the notices required, or fail to cooperate with the State Land Commissioner or his representative, under the provisions of this Act, shall be guilty of a **misdemeanor** and shall be fined a sum not exceeding One Hundred Dollars."

1. OWNER S.R.V.W.U.A. SRP 26,9E-5N
Name
P. O. BOX 1980, Phoenix, Arizona
Address

2. Lessee or Operator
Name
Address

3. DRILLER ROSCOE MOSS,
Name
LOS ANGELES, CALIF.
Address

4. Location of well: Twp. 1 N Rge. 5 E Section 4 SE ¼ SE ¼ SE ¼
10-acre subdivision

5. ~~Intention to Drill~~ File No. (A-1-5)4 ddd Appl. No. S-285
Permit No. S-270

DESCRIPTION OF WELL

6. Total depth of hole 812 ft.

7. Type of casing Hard red steel (Kai-Well)

8. Diameter and length of casing 20 in. from 0 to 786 in. from to , in. from to

9. Method of sealing at reduction points

10. Perforated from 300 to 772, from to , from to , from to

11. Size of cuts 5/8 x 4-1/2 Number cuts per foot 10 per 12 inches

12. If screen was installed: Length ft. Diam. in. Type

13. Method of construction Drilled Calif Type Cable Tool.
drilled, dug, driven, bored, jetted, etc.

14. Date started ~~June~~ March 1, 1955
Month Day Year

15. Date completed June 1, 1955
Month Day Year

16. Depth to water 70 ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available
Ground Surface.

18. If flowing well, state method of flow regulation

19. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Received 6-24-55 by [illegible]
Filed 6-24-55 by [illegible]
File No. (A-1-5)4ddd

(Well Log to Appear on Reverse Side)

WD FORM G-301
REV. 4-27-53

LOG OF WELL (A-1-5) 4dcc

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	3	Top soil
3	55	Back fill
55	60	Sand + Boulders
60	75	Sand, Gravel + Boulders
75	130	Sand, Gravel with trace of Clay
130	160	Clay, Sand trace of Gravel
160	280	Gravel, Sand with layers of Clay
280	300	Clay, Trace of gravel + boulders
300	345	Clay
345	365	Clay, gravel & Sand
365	370	Clay, ~~trace~~ trace of gravel
370	390	Sand, trace of gravel
390	500	Sand, gravel with layers of Clay

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

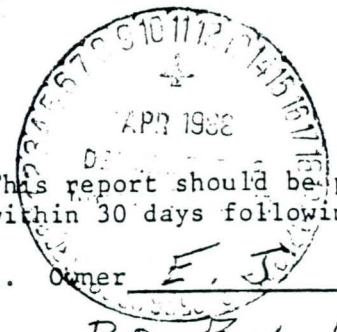
Driller Bert Perry Drilling
Name

5338 E Apache Tr
Address

Mesa Ariz 85205
City State Zip

Date 4-8-88

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
99 EAST VIRGINIA AVENUE
PHOENIX, ARIZONA 85004



WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner E. J. Cyr (Ariz Crushing)
Name
P.O. Box 17120 Fountain Hills Ariz 85268
Mailing Address

2. Driller Bert Perry Drilling
Name
5338 E Apache Tr Mesa, Ariz 85205
Mailing Address

3. Location of well: 1N 5E Sec 4 SE 1/4 SW 1/4 SE 1/4

4. Permit No. (if issued) P-519064

DESCRIPTION OF WELL

5. Total depth of hole 500 ft ft.

6. Type of casing Steel

7. Diameter and length of casing 20 in. from 0 to 20, 16 in from 0 to 480.

8. Method of sealing at reduction points Cement

9. Perforated from 250 to 470, from _____ to _____, from _____ to _____.

10. Size of cuts 3/8" x 3" Number of cuts per foot 8

11. If screen was installed: Length _____ ft. Diam _____ in. Type _____

12. Method of construction Drilled
drilled, dug, driven, bored, jetted, etc.

13. Date started 12 (Month) 14 (Day) 87 (Year)

14. Date completed 3 (Month) 25 (Day) 88 (Year)

15. Depth to water 150 ft. (If flowing well, so state.)

16. Describe point from which depth measurements were made, and give sea-level elevation if available Ground Level

17. If flowing well, state method of flow regulation: _____

18. Remarks: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

REG. NO. 55-519064

File No. A(1-5)4 dcc

Entered ENTERED APR 12 1988

DWR-55-6-Rev. 8/85

LOG OF WELL

, at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at wh
, and depth to which it rose in well.

rom (feet)	To (feet)	
Surface	12	Silty Sand, light brown.
12	133	Sand, gravel & cobbles, trace of silt & clay, light brown.
		Groundwater encountered at 116 feet.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best my knowledge and belief.

Driller's Name (Qualifying Party): Norman H. Wetz, P.E.

3232 West Virginia Avenue
Street

Phoenix | AZ | 85009
City | State | Zip

(602) 272-6848 | June 27, 1996
Phone Number | Date

DWR 55-55 (Rev 2/96)

Boring No. C-1
Job No. 6-117-000081
Red Mountain Freeway

RECEIVED
JUN 28 1996
RECORDS MGT

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGMENT SUPPORT SECTION
500 North Third Street - Phoenix, Arizona 85004-3903
Phone (602) 417-2470 Fax (602) 417-2422

WELL DRILLER REPORT

This report should be prepared by the Driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner's Name: Arizona Department of Transportation

   Address: 205 South 17th Avenue (Street) Phoenix (City) AZ (State) 85007 (Zip) Telephone Nu

2. Drilling Firm: AGRA Earth & Environmental, Inc.

   Address: 3232 West Virginia Avenue (Street) Phoenix (City) AZ (State) 85009 (Zip) (602) 272-6 Telephone Numbe

3. Location: ____ ¼ (10 Acre) ____ ¼ (40 Acre) ____ ¼ (160 Acre) of Section 4 Township 1N Range 5E

4. Well Registration No. 55- 557148 (Required) A(1-5) 4 ccd (From M. Wetz)

5. Permit No. ____ (If issued)

DESCRIPTION OF WELL

6. Total Depth of Hole 133 ft.
7. Type of Casing None
8. Diameter and length of casing N/A inches from ____ to ____, ____ inches from ____ to ____
9. Method of sealing at reduction points N/A
10. Perforated from N/A to ____ from ____ to ____ from ____ to ____
11. Size of cuts N/A Number of cuts per foot ____
12. If screen was installed: Length N/A feet. Diameter ____ inches. Type ____
13. Method of construction 9-inch Dual Wall Hammer (drilled, dug, driven, bored, jetted, etc.)
14. Date started April (Month) 21 (Day) 1996 (Year)
15. Date completed April (Month) 21 (Day) 1996 (Year)
16. Depth to water 116 ft. (If flowing well, so state).
17. Describe point from which depth measurements were made, and give sea-level elevation if available ground surface
18. If flowing well, state method of flow regulation:
19. Remarks:

ENTERED JUL 9 1996

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. ____
File No. (A-1-5) 4 ccd
Received ____ By ____
Entered ____ By ____

DWR-55-55 (Rev 2/96)

GEOLOGIC LOG FOR MW-1
(Continued)

Depth (feet)	Description
110-130	**Gravelly sand with clay**, brown, 30-50% fine to coarse angular to subangular sand, 25-40% fine to coarse angular to rounded gravel, and 20-30% clay.
130-140	**Sandy clay**, light brown, 50-75% clay, 20-30% fine to coarse angular sand, 5% pebbly gravel, and 5% silt.
140-150	**Clayey sand**, light brown, 50-60% fine to coarse angular sand, 40-50% clay, and 2-3% silt.
150-155	**Clay with sand and gravel**, light brown, 70-80% clay, 15-20% fine to coarse angular sand, and 5-10% pebbly gravel.
155-165	**Sandy clay**, light brown, 50-60% clay, 35-40% fine to coarse angular sand, (75-90% coarse), and 5-10% pebbly gravel.
165-175	**Clay with sand and gravel**, 60-75% clay, 10-20% fine to coarse angular sand, 10-20% pebbly gravel, and 5% silt.
175-185	**Sandy clay**, light brown, 70-80% very sticky clay, and 20-30% fine to coarse angular sand.
185-230	**Sandy clay with gravel**, light brown, 40-50% clay, 25-40% fine to coarse angular sand, and 20-30% fine to coarse subangular to rounded gravel.
230-235	**Clayey sand**, light brown, 50-60% fine to coarse angular sand, 30-40% clay, 5% pebbly gravel, and 5% silt.
235-255	**Clay with sand and gravel**, light brown, 60-75% clay, 10-25% fine to coarse angular to subangular sand, and 10-20% fine to coarse subangular to subrounded gravel.
255-269	**Clay**, light brown, 80-90% clay (very sticky), 5% fine to coarse angular sand, and 5% pebbly gravel.
269-280	**Clayey sand and gravel**, brown, 35-50% fine to coarse angular sand, 20-40% clay, and 20-30% fine to coarse angular to rounded gravel.

GEOLOGIC LOG FOR MW-1

(A-1-5) 4 nbd

Depth (feet)	Description
0-5	**Silt**, dark brown.
5-12	**Sandy silt**, dark brown, 75-80% silt, and 20-25% fine to medium angular sand.
12-25	**Sandy silt and boulders with gravel and clay**, brown, 30-40% silt, 20-40% fine to coarse angular sand, 10-15% pebbly gravel, and 5-10% clay.
25-35	**Silty sand and boulders with gravel**, brown, 50-75% fine to medium angular sand, 25-50% silt, and trace of clay.
35-45	**Sandy gravel and boulders**, brown, 40-60% pebbly gravel and boulders, 30-40% fine to coarse angular sand, 5-10% silt, and 5-10% clay.
45-63	**Gravelly sand and boulders with clay**, brown, 50-65% fine to coarse angular sand, 25-40% subangular to rounded cobble gravel and boulders, and 5-20% clay.
63-70	**Sandy clay**, light brown, 60-70% sticky clay, 25-40% fine to coarse angular sand, 5% silt, and 5% pebbly gravel.
70-75	**Clayey sand with some boulders**, light brown, 40-60% fine to coarse angular sand, 30-40% clay, and 10-20% fine to coarse subrounded to rounded gravel.
75-85	**Sandy clay with some boulders**, light brown, 60-75% clay, 20-40% fine to coarse angular sand, 5-10% silt, and 5% pebbly gravel.
85-95	**Gravelly clay with some boulders**, light brown, 50-70% clay, 15-30% fine to coarse angular to subrounded gravel, 10-15% fine to coarse angular sand, and 5-10% silt.
95-110	**Clayey sand**, light brown, 50-70% fine to coarse angular sand, 25-40% clay, 5-10% subrounded pebbly gravel, and 2-3% silt.

Continued:

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	4	Caliche and top soil
4	50	Boulders
50	94	Cemented boulders
94	130	Clay gravel and boulders
130	160	Cemented boulders
160	190	Clay gravel and hard caliche
190	315	Sticky clay and streaks of hard caliche
315	330	Caliche andpacked sand
330	347	Hard caliche and packed sand
347	400	Hard caliche some gravel
400	420	Sandy clay and stks of cement
420	440	Hard clay and cement
440	500	Hard sticky clay

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Driller Roscoe Moss Company
Name

4360 Worth Street, Los Angeles
Address

Date August 19, 1950

RECEIVED
AUG 23 1950
STATE LAND DEPT.
OF ARIZONA

FORM W-3 2M 12-47 JAHN-TYLER

27.9E-5N

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

Report of Well Driller is required to be made and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, Seventeenth Legislature, First Special Session, 1945. A separate report shall be made for each well and filed within 30 days after completion of the well.

1. Owner Salt River Valley Water Users' Association
Name
Phoenix, Arizona.
Address

2. Lessee or Operator
Name
Address

3. Driller Roscoe Moss Company (Driller J. O. Evans)
Name
4360 Worth Street, Los Angeles, California.
Address

4. Location of well: Twp. 1-North Rge. 5-East Section 3 SE ¼ SE ¼ SE ¼
10-acre subdivision

DESCRIPTION OF WELL

5. Total depth of hole 500' ft.

6. Type of casing Hard red steel

7. Diameter and length of casing 24 in. from 0 to 496, ___ in. from ___ to ___, ___ in. from ___ to ___

8. Method of sealing at reduction points Not Reduced

9. Perforated from 200 to 480, from ___ to ___, from ___ to ___, from ___ to ___

10. Size of cuts 5/8 x 4½ Number cuts per foot 10 per 12 inches

11. If screen was installed: Length ___ ft. Diam. ___ in. Type None.

12. Method of construction Drilled Calif Type Cable Tool
drilled, dug, driven, bored, jetted, etc.

13. Date completed August 4, 1950
Month Year

14. Depth to water 110' ft.
If flowing well, so state.

15. Describe point from which depth measurements were made, and give sea-level elevation if available Ground Surface.

16. If flowing well, state method of flow regulation

DISCHARGE DATA

17. Well discharge 5/3/51: 4280 GPM
gal. per min. or cu. ft. per sec. or miner's inches.

18. Method of discharge measurement pitot tube
weir, orifice, current meter, etc.

19. Drawdown 19 ft.

20. Purpose of use irrigation

21. Place of use: (See 22) Twp. ___ Rge. ___ Section ___ ___ Acres ___
Legal subdivision

22. Purpose of use

Twp. ___ Rge. ___ Section ___ ___ Acres ___
Legal subdivision

22. If well is part of irrigation system of Irrigation District, Association or Company, omit 23 and give name of project.

Name of Project

(A-1-5) 2 ddd

EQUIPMENT DATA

23. Kind of pump Turbine
turbine, centrifugal, etc.

24. Kind of power Electric
electric, natural gas, etc.

25. Horsepower rating of motor 200

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 8/23/50 by kb
Filed 9/5/50 by kb
File No. (A-1-5)3 ddd C
Cross-referenced (Name) ___ by ___
Cross-referenced (Basin) ___ by ___
Cross-referenced ___ by ___

(See Other Side)

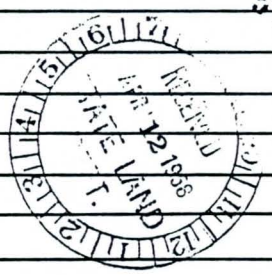
LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

SRP 28.6E - 5.5N good log

From (Feet)	To (Feet)	Description of Formation Material
0	1	Top soil
1	5	Cemented sand and gravel 10"
5	85	Loose sand, gravel and boulders
85	105	Sandy brown clay and gravel 10"
105	153	Sand and gravel
153	245	Sandy brown clay and gravel
245	530	Sand and gravel and clay stks cemented
530	610	Cemented sand and gravel to 3"
610	735	Sandy clay and gravel 3" sticky clay streaks
735	875	Cemented sand and gravel to 6"
875	1005	Sandy brown clay and gravel
1005	1120	Sticky brown clay and cemented streaks

5840



I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Driller ROSCOE MOSS COMPANY.
Name

Secretary

4360 Worth Street, Los Angeles, Calif.
Address

Date April 5, 1958

STATE LAND DEPARTMENT
GROUND WATER DIVISION
STATE OF ARIZONA

25 ½ E-5 ½ 11

REPORT OF WELL DRILLER

1. OWNER Salt River Valley Water Users' Association
Name

Phoenix, Arizona.
Address

2. Lessee or Operator _____
Name

_____
Address

3. DRILLER Roscoe Moss Company
Name
4360 Worth Street, Los Angeles, California.
1 drw Address

4. Location of well: Twp. 2-N Rge. 5-E Sec. 2 NW ¼ NW ¼ SE ¼
(10-acre subdivision)

5. Intention to Drill File No. _____ Permit No. _____

DESCRIPTION OF WELL

6. Total depth of hole 1120 ft.

7. Type of casing Kai-well double well casing

8. Diameter and length of casing 30 in. from 0 to 84',
24 in. from 0 to 1094', _____ in. from _____ to _____

9. Method of sealing at reduction points _____

10. Perforated from 350 to 1082, from _____ to _____, from _____ to ___

11. Size of cuts 1/2 x 4-1/2 Number of cuts per foot 12 per 12"

12. If screen was installed: Length _____ ft. Diam. _____ in.

13. Method of construction Drilled.
Drilled, dug, driven, bored, jetted, etc.

14. Date completed November 26, 1957

15. Depth to water 175 (If flowing well, so state).

16. Describe point from which depth measurements were made, and give sea-level elevation if available Ground Surface.

17. If flowing well, state method of flow regulation _____

18. REMARKS:

_____
_____
_____
_____

G-301
(Well Log on Reverse Side)

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Received April 12, 1958 by Flood
Filed April 22, 1958 by Flood
File No. (A-2-5)2 dbb drw

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	105	Sand, gravel and boulders
105	151	Sandy clay and boulders
151	191	Gravel and boulders
191	276	Sandy clay and gravel
276	293	Sand
293	354	Sandy clay and gravel
354	430	Sand
430	460	Sand, clay and gravel
460	583	Brown clay with sand streaks
583	630	Conglomerate
630	666	Cemented sand, gravel and boulders
666	760	Sand and gravel and clay
760	810	Cemented sand, gravel and boulders
810	822	Brown clay and gravel
822	840	Cemented sand, gravel and boulders
840	1000	Hard brown clay and gravel

6349

RECEIVED MAY 10 1957 STATE LAND DEPT.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Roscoe Moss Company

Driller A. O. Dabney Secretary.
Name

4360 Worth Street, Los Angeles, Calif
Address

Date May 9, 1957

Jersey

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

½ S-N
28E-~~2~~ N

EXCERPT OF 1945 GROUNDWATER LAW

Report of Well Driller must be prepared by the driller in all detail and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, First Special Session, 1945. This report should be in the mail within 30 days following completion of the well. Section 8 of the law provides: "Any person (includes any individual, firm, public or private corporation, or governmental agency) who shall fail or refuse to make any of the reports, give the notices required, or fail to cooperate with the State Land Commissioner or his representative, under the provisions of this Act, shall be guilty of a misdemeanor and shall be fined a sum not exceeding One Hundred Dollars."

1. OWNER SALT RIVER VALLEY WATER USERS' ASSN
Name
P. O. BOX 1890, Phoenix, Arizona Atten: J. F. Griswold, Secy.
Address

2. Lessee or Operator
Name
Address

3. DRILLER
Name
Address

4. Location of well: Twp. 1 North Rge. 5 E Section ~~26~~ 2 SE ¼ SE ¼ SW ~~NE~~ ¼
10-acre subdivision

5. ~~Intention to Drill~~ File No. (A-1-5)15 add 2 cdd Permit No. S-312 Appl. S-329

DESCRIPTION OF WELL

6. Total depth of hole 1000 ft.

7. Type of casing Kai-well

8. Diameter and length of casing 24 in. from 0 to 866, 20 in. from 856 to 1000, in. from to

9. Method of sealing at reduction points

10. Perforated from 300 to 850, from 866 to 988, from to, from to

11. Size of cuts 5/8 x 5-1/2 Number of cuts per foot 12 per 12 and 10 per 12

12. If screen was installed: Length ft. Diam. in. Type

13. Method of construction Calif Cable Tool
drilled, dug, driven, bored, jetted, etc.

14. Date started Nov 15, 1956
Month Day Year

15. Date completed April 20, 1957
Month Day Year

16. Depth of water 167 ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available
Ground Surface

18. If flowing well, state method of flow regulation

19. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 5-10-57 by [illegible]
Filed 5-10-57 2 by [illegible]
File No. (A-1-5) ~~2~~ cdd

(Well Log to Appear on Reverse Side)

WD FORM G-301
REV. 4-27-53
1
2M 5-54

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water-bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

FROM (feet)	TO (feet)	DESCRIPTION OF FORMATION MATERIAL
0	6	Top soil
6	38	Sand, gravel and boulders
38	130	Cemented boulders
130	185	Hard clay and boulders
185	238	Sand, gravel and caliche
238	335	Clay and streaks of cement
335	580	Hard and sticky clay
580	608	Hard clay
608	650	Hard clay and granite boulders
650	718	Sticky clay, gravel embedded
718	757	Clay and gravel, sandy
757	800	Sticky clay and gravel

1959

RECEIVED
MAR 23 1954
STATE LAND
DEPT.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Driller Roscoe Moss Company
Name

4360 Worth Street, Los Angeles, Calif
Address

Date February 25, 1954

NOTE: Report and Log are to be completed by the permittee and driller, and mailed by the permittee to the Ground Water Division of the State Land Department immediately upon completion of the well and pumping test.

Appl. S-207-RA (A-1-5)2 cbb Permit S-197-RA

Land Department
Ground Water Division
State of Arizona

REPORT OF WELL DRILLED IN CRITICAL OR RESTRICTED AREA 28E-5EN

Report of Well Drilled in Critical Area is required to be made and filed with the State Land Commissioner upon completion of the construction of such well, pursuant to Section 10, Chapter 5, House Bill No. 2, Eighteenth Legislature, Sixth Special Session, 1948.

1. Owner Salt River Valley Water User's Assn. (Name) P. O. Box 1980, Phoenix, Arizona (Address)
2. Lessee or Operator (Name) (Address)
3. Driller Roscoe Moss Co. (Name) Los Angeles, California (Address)
4. Location of Well: Twp. 1 N Rge. 5 E Sec. 2 Legal Subdivision NW 1/4 NW 1/4 SW 1/4 (10 acre subdivision)
   It is (if less than 1/4 mile) yards (direction) from the nearest irrigation well.
5. Purpose of use IRRIGATION
6. Place of use: Twp. Rge. Section (s) , (Legal Subdivision) Acres
7. If well is part of Irrigation District, Association, or Company, omit 6 and give name of project:
   S.R.V.W.U.A.

7a. Depth of Old Well Date of original drilling

DESCRIPTION OF WELL

8. Total depth of hole 800 ft. 9. Type of Casing Hard red steel Lap of 8'.
10. Diameter and length of casing: 24 in. from 0 ft. to 700 ft; 20 in. from 682 ft. to 800 ft.
    in. from ft. to ft; in. from ft. to ft.
11. Method of sealing at reduction points
12. Perforated from 200 ft. to 680 ft; from 700 ft. to 800 ft.; from ft. to ft.
13. Size of cuts 5/8 x 4-1/2 Number of cuts per foot 10 per 12 inches
14. If screen was installed: Length ft. Diameter in. Type
15. Method of drilling Calif Type Cable Tool (drilled, dug, driven, bored, etc.)
16. Date completed December 31, 1954 (Month, Year) 17. Depth to water 141 ft. (if flowing well, so state)
18. Describe points from which depth measurements were made Ground Surface.
    Sea-level elevation (if available)
19. Method of flow regulation if flowing well

REPORT OF PUMP INSTALLATION AND TEST

20. Tested well capacity 3260 (gallons per minute) Method of measurement Pitot (weir, orifice, meter, etc.)
21. Depth immediately prior to capacity test, from land surface to static water level 155.1 ft.
22. Non-flowing well: Drawdown 13.9 ft. measured after 20 (at least 4) hours of continuous operation, and while pump is still operating.
23. Flowing well: Shut-in pressure ft. above the land surface, or pounds per sq. in. at the land surface.
24. Kind of Pump Deepwell turbine (turbine, centrifugal, etc.)
25. Kind of Power electric (electric, natural gas, etc.)
26. Horsepower Rating of Motor 200
27. Permittee Joseph A. Dahl (Signature) Pump Div.-Engr.

WD FORM G-205
REV 3-20-53

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 3-23-54 by YEC
Filed 3-23-54 by YEC
File No. (A-1-5)2 cbb
Cross-referenced (Name) by
Cross-referenced (Basin) by
Cross-referenced by

LOG OF WELL (A-1-5) 2666

...icate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is arte-...an, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	8	Top soil
8	16	Loose gravel and boulders
16	20	Cemented boulders
20	95	Loose boulders
95	170	Loose and cemented boulders
170	280	Sandy clay, cement streaks
280	335	Cemented sand
335	515	Clay and gravel, cemented streaks
515	585	Cemented gravel
585	820	Clay and gravel, cemented streaks
820	822	Cement

5059

RECEIVED APR ... STATE LAND DEPT.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Driller Roscoe Moss Company
Name

4360 Worth Street, Los Angeles, Calif
Address

Date April 25, 1956

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

EXCERPT OF 1945 GROUNDWATER LAW

Report of Well Driller must be prepared by the driller in all detail and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, First Special Session, 1945. This report should be in the mail within 30 days following completion of the well. Section 8 of the law provides: "Any person (includes any individual. firm, public or private corporation, or governmental agency) who shall fail or refuse to make any of the reports, give the notices required, or **fail to cooperate** with the State Land Commissioner or his representative, under the provisions of this Act, shall be guilty of a **misdemeanor** and shall be fined a sum not exceeding One Hundred Dollars."

SRP 28E-6N

1. OWNER SALT RIVER VALLEY WATER USERS' ASSN.
Name
P. O. BOX 1980, Phoenix, Arizona Atten: J. F. Griswold, Secretary
Address

2. Lessee or Operator
Name
Address

3. DRILLER Roscoe Moss Company
Name
Los Angeles, California
Address

4. Location of well: Twp. 1 N Rge. 5 E Section 2 NW ¼ NW ¼ NW ¼
10-acre subdivision

5. ~~Intention to Drill~~ File No. (A-1-5)2 bbb Appl. S-282
Permit S-267

DESCRIPTION OF WELL

6. Total depth of hole 822 ft.

7. Type of casing Kai-well steel

8. Diameter and length of casing 640' - 24" No. 8 gauge and 190' 20" x 5/16" pre-perforated casing
in. from to, in. from to, in. from to

9. Method of sealing at reduction points

10. Perforated from 300 to 625, from to, from to, from to

11. Size of cuts 5/8 x 5 Number cuts per foot 10 per 12 inches

12. If screen was installed: Length ft. Diam. in. Type

13. Method of construction Drilled Calif Type Cable Tool.
drilled, dug, driven, bored, jetted, etc.

14. Date started July 9, 1955
Month Day Year

15. Date completed December 12, 1955
Month Day Year

16. Depth to water 164 ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available
Ground Surface

18. If flowing well, state method of flow regulation

19. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Received 4-24-56 by ZLC
Filed 4-24-56 by ZLC
File No. (A-1-5)2bbb

(Well Log to Appear on Reverse Side)

WD FORM G-301
REV. 4-27-53

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water-bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

FROM (feet)	TO (feet)	DESCRIPTION OF FORMATION MATERIAL
0	2	Topsoil
2	14	Clay and caliche
14	85	Sand, gravel and boulders
85	106	Boulders
106	146	Packed sand
146	149	Boulders
149	212	Clay and gravel, sandy
212	224	Hard clay and caliche
224	230	Sticky clay
230	235	Hard clay and caliche
235	264	Sticky clay
264	512	Streaks of hard and sticky clay
512	580	Clay and boulders
580	602	Granite boulders
602	647	Clay, caliche and boulders
647	660	Clay, caliche and granite boulders

RECEIVED MAR 19 1953 STATE LAND DEPT.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Driller Roscoe Moss Company
Name

4360 Worth Street, Los Angeles, Calif.
Address

Date November 26, 1952.

NOTE: Report and Log are to be completed by the permittee and driller, and mailed by the permittee to the Ground Water Division of the State Land Department immediately upon completion of the well and pumping test.

FORM W-6 1M 3-49 JAHN-TYLER

Appl. S-149 (A-2-4)35 dcc Permit No. S-140
REPLACEMENT WELL

Land Department
Ground Water Division
State of Arizona

REPORT OF WELL DRILLED IN CRITICAL AREA

Report of Well Drilled in Critical Area is required to be made and filed with the State Land Commissioner upon completion of the construction of such well, pursuant to Section 10, Chapter 5, House Bill No. 2, Eighteenth Legislature, Sixth Special Session, 1948.

2-½E-6N

1. Owner SALT RIVER VALLEY WATER USERS' ASSN. by J. F. Griswold, Name Secretary — PHOENIX, ARIZONA, Address
2. Lessee or Operator — Name — Address
3. Driller Roscoe Moss Company, Name — Los Angeles, California, Address
4. Location of Well: Twp. 2 N Rge. 4 E Sec. 35 Legal Subdivision SW ¼ SW ¼ SE ¼ (10 acre subdivision)
   It is ____ yards ____ from the nearest irrigation well. (if less than ¼ mile; direction)
5. Purpose of use IRRIGATION
6. Place of use: Twp. ____ Rge. ____ Section(s) ____, ____ (Legal Subdivision) Acres ____
7. If well is part of Irrigation District, Association, or Company, omit 6 and give name of project:
   S.R.V.W.U.A.

DESCRIPTION OF WELL

8. Total depth of hole 660 ft. 9. Type of Casing Hard red steel
10. Diameter and length of casing: 20 in. from 0 ft. to 660 ft; ____ in. from ____ ft. to ____ ft; ____ in. from ____ ft. to ____ ft; ____ in. from ____ ft. to ____ ft.
11. Method of sealing at reduction points Not Reduced
12. Perforated from 135 ft. to 640 ft; from ____ ft. to ____ ft; from ____ ft. to ____ ft.
13. Size of cuts 5/8 x 4-1/2 Number of cuts per foot 10 per 12 inches
14. If screen was installed: Length ____ ft. Diameter ____ in. Type ____
15. Method of drilling Calif Type Cable Tool (drilled, dug, driven, bored, etc.)
16. Date completed November 8, 1952 (Month, Year) 17. Depth to water 75 ft. (if flowing well, so state)
18. Describe points from which depth measurements were made Ground Surface.
    Sea-level elevation ____ (if available)
19. Method of flow regulation if flowing well ____

REPORT OF PUMP INSTALLATION AND TEST

20. Tested well capacity 3460 (gallons per minute) Method of measurement Pitot (weir, orifice, meter, etc.)
21. Depth immediately prior to capacity test, from land surface to static water level 102.9 ft.
22. Non-flowing well: Drawdown 33.5 ft. measured after 72 (at least 4) hours of continuous operation, and while pump is still operating.
23. Flowing well: Shut-in pressure ____ ft. above the land surface, or ____ pounds per square inch at the land surface.
24. Kind of Pump Deepwell Turbine (turbine, centrifugal, etc.)
25. Kind of Power Electric Motor (electric, natural gas, etc.)
26. Horsepower Rating of Motor 200 HP
27. Permittee J. A. Hahn Engr - Pump Div. (Signature) S.R.V.W.U.A.

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 3-19-53 by lec
Filed 3-19-53 by lec
File No. (A-2-4)35 dcc
Cross-referenced (Name) ____ by ____
Cross-referenced (Basin) ____ by ____
Cross-referenced ____ by ____

LOG OF WELL

(A-1-4)24bb

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water sian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	6	Top soil
6	150	Gravel and boulders
150	175	Sandy clay and gravel
175	310	Sandy clay
310	475	Sandy clay and gravel
475	500	Sand, gravel and boulders
500	525	~~Exx~~ Red granite rock

RECEIVED OCT 25 1957 STATE LAND DEPT.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statem herein contained are true to the best of my knowledge and belief.

ROSCOE MOSS COMPANY

Driller J. A. [illegible] Secretary
Name

4360 Worth St, Los Angeles, Calif
Address

Date October 24, 1957

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

EXCERPT OF 1945 GROUNDWATER LAW

Report of Well Driller must be prepared by the driller in all detail and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, First Special Session, 1945. This report should be in the mail within 30 days following completion of the well. Section 8 of the law provides: "Any person (includes any individual, firm, public or private corporation, or governmental agency) who shall fail or refuse to make any of the reports, give the notices required, or fail to cooperate with the State Land Commissioner or his representative, under the provisions of this Act, shall be guilty of a misdemeanor and shall be fined a sum not exceeding One Hundred Dollars."

23E-2,1N

1. OWNER SALT RIVER VALLEY WATER USERS' ASSOCIATION
Name
c/o J. F. Griswold, Secretary P. O. Box 1980, Phoenix, Arizona
Address

2. Lessee or Operator
Name
Address

3. DRILLER ROSCOE MOSS CO.
Name
LOS ANGELES, CALIFORNIA
Address

4. Location of well: Twp. 1 North Rge. 4 East Section 24 NW ¼ NW ¼ NW ¼
10-acre subdivision

5. ~~Location No.~~ File No. (A-1-4)24 bbb Permit No. S-393
Appln. No. S-406

DESCRIPTION OF WELL

6. Total depth of hole 525 ft.

7. Type of casing Kai-well double well casing.

8. Diameter and length of casing 20 in. from 0 to 472, in. from to, in. from to

9. Method of sealing at reduction points

10. Perforated from 150 to 457, from to, from to, from to

11. Size of cuts 1/2 x 4 to 5 Number of cuts per foot 10 per 14 inches

12. If screen was installed: Length ft. Diam. in. Type

13. Method of construction Drilled Calif Cable Tool Type Rig
drilled, dug, driven, bored, jetted, etc.

14. Date started August 22, 1957
Month Day Year

15. Date completed October 7, 1957
Month Day Year

16. Depth of water 80 ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available
Ground Surface.

18. If flowing well, state method of flow regulation

19. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 10-25-57 by
Filed 10-25-57 by
File No. (A-1-4) 24 bbb

(Well Log to Appear on Reverse Side)

WD FORM G-301
REV. 4-27-53
1
2M 5-54

(A-1-4)24 abC
Tempe NO 7

No. of gallons per minute pumped when Test first started 1000

No. of gallons per minute pumped when Test completed 3000

Draw down at completion of Test 70 ft.

Hours Testing Well 48

Formation: Mention size of water gravel—

0	ft. to	4	ft.	Top soil
4	" "	7	"	Sandy soil
7	" "	120	"	Gravel and boulders
120	" "	130	"	Sandy clay and gravel
130	" "	155	"	Gravel and boulders
155	" "	165	"	Sand and clay
165	" "	200	"	Sandy clay and sand
200	" "	215	"	Tight sand and gravel
215	" "	235	"	Clay
235	" "	242	"	Cement, sand
242	" "	260	"	Clay with sand and gravel embedded
260	" "	270	"	Cemented sand
270	" "	305	"	Clay
305	" "	310	"	Sand
310	" "	320	"	Clay
320	" "	325	"	Gravel
325	" "	355	"	Clay, gravel, embedded
355	" "	360	"	Cemented sand and gravel
360	" "	385	"	Clay, gravel, embedded
385	" "	450	"	Tight conglomerate
450	" "	480	"	Sand and gravel, embedded in clay
480	" "	505	"	Tight sand and gravel
505	" "	525	"	Tight sand and gravel, conglomerate
525	" "	600	"	Tight sand, gravel embedded ikn clay
600	" "	680	"	Conglomerate
680	" "	690	"	Tight mountain rock
	" "		"	
	" "		"	
	" "		"	
	" "		"	
	" "		"	
	" "		"	
	" "		"	

' reducing strings of casing were cut off, state how cut

epth from surface cut ft.

[illegible]

4360 WORTH STREET
LOS ANGELES, CAL.

WELL CONTRACTORS — RENTAL TOOLS

(A-1-4) 24abc

Tempe: #7

Log of Well No. ...... Drilled for City of Tempe
of Tempe, Arizona,
Exact Location
Started Work March 14, 1961
Completed Work May 16, 1961
Total depth 690 Size of shoe

688 ft. of 20 inch 8 lb. or gauge casing used and left in Well
81 " " 24 " 3/8 (Conductor) " and " " "

Type of Perforator used Moss Hydraulic

Perforated 200 ft. to 675 ft. 8 Holes per 5 inches

Make diagram of perforation in square, showing dimensions.

Diameter of Perforations 3/16 inches
Length of Perforations 2-1/4 "
Depth at which water was first found 100-105 ft.
Standing level before perforating 127 "
Standing level after perforating 127 "

Note below your observation of any change in water level while drilling.

LOG OF WELL (A-1-4)23dba

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	6	Soil
6	30	Loose boulders
30	60	Cemented boulders
60	142	Boulders loose
142	160	Clay
160	280	Clay and gravel
280	350	Tight gravel
350	357	Gravel
357	370	Clay and gravel
370	420	Hill formation.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to best of my knowledge and belief.

RECEIVED JUN 28 1950 STATE LAND DEPT. OF ARIZONA

Driller Roscoe Moss Company
Name

4360 Worth Street, Los Angele
Address

Date June 27, 1950

FORM W-6 2M 12-47 JAHN-TYLER

WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

Report of Well Driller is required to be made and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, Seventeenth Legislature, First Special Session, 1945. A separate report shall be made for each well and filed within 30 days after completion of the well.

1. Owner City of Tempe
Name
Tempe, Arizona.
Address

2. Lessee or Operator
Name
Address

3. Driller Roscoe Moss Company (Driller J. N. Lard)
Name
4360 Worth Street, Los Angeles, Calif
Address

4. Location of well: Twp. 1N Rge. 4E Section 23 NE ¼ NW ¼ SE ¼
10-acre subdivision

DESCRIPTION OF WELL

5. Total depth of hole 420' ft.

6. Type of casing Hard red steel

7. Diameter and length of casing 20 in. from 0 to 384, ____ in. from ____ to ____, ____ in. from ____ to ____

8. Method of sealing at reduction points

9. Perforated from 372 to 180, from ____ to ____, from ____ to ____, from ____ to ____

10. Size of cuts 5/8 x 3½ Number cuts per foot 8 per 14 inches

11. If screen was installed: Length ____ ft. Diam. ____ in. Type ____

12. Method of construction Drilled Calif Type Cable Tool
drilled, dug, driven, bored, jetted, etc.

13. Date completed June 17, 1950
Month Year

14. Depth to water 59 ft.
If flowing well, so state.

15. Describe point from which depth measurements were made, and give sea-level elevation if available Ground Surface.

16. If flowing well, state method of flow regulation

DISCHARGE DATA

17. Well discharge 3600 gallons per minute
gal. per min. or cu. ft. per sec. or miner's inches.

18. Method of discharge measurement Crifice
weir, orifice, current meter, etc.

19. Drawdown 15 ft.

20. Purpose of use City Water Supply

21. Place of use: (See 22) Twp. ____ Rge. ____ Section ____ ____ Acres ____
Legal subdivision

22. Purpose of use City Water Supply

Twp. ____ Rge. ____ Section ____ ____ Acres ____
Legal subdivision

22. If well is part of irrigation system of Irrigation District, Association or Company, omit 23 and give name of project.

Name of Project

(A-1-4) 23 dba

EQUIPMENT DATA

23. Kind of pump ____
turbine, centrifugal, etc.

24. Kind of power ____
electric, natural gas, etc.

25. Horsepower rating of motor ____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 7/8/50 by kb
Filed 7/26/50 by kb
File No. (A-1-4)23 dba
Cross-referenced (Name) ____ by ____
Cross-referenced (Basin) ____ by ____
Cross-referenced ____ by ____

(See Other Side)

LOG OF WELL (A-1-4) 14dab

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	80	BOULDERS AND SAND
80	120	BOULDERS, SAND AND GIRAVEL
120	140	SAND GIRAVEL AND CLAY
140	150	SANDY CLAY
150	170	SAND
170	200	SANDY CLAY WITH LITTLE GIRAVEL
200	230	SAND WITH LITTLE GIRAVEL
230	390	SAND, GIRAVEL WITH SANDY CLAY
390	452	SAND AND GRAVEL
452	500	SAND AND CONGLOMERATE
500	650	CONGLOMERATE WITH CLAY
650	810	RED CONGLOMERATE WITH SAND AND CLAY

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Driller LAYNE WESTERN CO., INC.
Name

9002 S. HARDY DRIVE
Address

TEMPE, AZ 85284
City State Zip

Date 12-9-86

DEPARTMENT OF WATER RESOURCES
99 EAST VIRGINIA AVENUE
PHOENIX, ARIZONA 85004

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner ARIZONA PUBLIC SERVICE COMPANY
Name

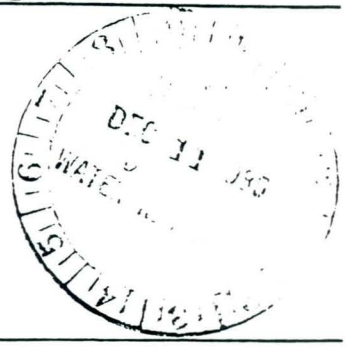
Mailing Address

2. Driller LAYNE-WESTERN CO., INC.
Name

9002 S. HARDY DR., TEMPE, AZ 85284
Mailing Address

3. Location of well: A (1-4) 14 dab

4. Permit No. (if issued)



DESCRIPTION OF WELL

5. Total depth of hole 810 ft.

6. Type of casing BLANK

7. Diameter and length of casing 18 in. from 0 to 650, ____ in from ____ to ____.

8. Method of sealing at reduction points REDUCER

9. Perforated from 650 to 800, from ____ to ____, from ____ to ____.

10. Size of cuts 1/8-INCH Number of cuts per foot ____

11. If screen was installed: Length 150 ft. Diam 14 in. Type LOUVERED

12. Method of construction ROTARY REVERSE
drilled, dug, driven, bored, jetted, etc.

13. Date started 10 (Month) 27 (Day) 86 (Year)

14. Date completed 11 (Month) 15 (Day) 86 (Year)

15. Depth to water ____ ft. (If flowing well, so state.)

16. Describe point from which depth measurements were made, and give sea-level elevation if available SURFACE

17. If flowing well, state method of flow regulation: —

18. Remarks: —

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. 55-514735
Received ____ By ____
Entered ENTERED DEC 12 1986 By ____
File No. A (1-4) 14 dab

MICROFILMED

DWR-55-6-Rev. 8/85

LOG OF WELL

#6

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well. (A-1-4)14acb

From (feet)	To (feet)	Description of formation material
0	50	SAND, GRAVEL COBBELS
50	100	SAND, GRAVEL, CLAY MIXED
100	126	SAND, GRAVEL, CLAY
126	140	CLAY

RECEIVED
JUL 10 1998
RECORDS MGT

I hereby certify that this well was drilled by me(or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: Roy F. Senior Jr

236 E. Earl Co

Street

Hanford CA. 93230 209-583-8057

City State Zip Phone No.

Roy F. Senior Jr 7/7/98

Signature of Driller Date

ZIM INDUSTRIES, INC.
4545 E. LINCOLN
FRESNO, CA 93725

ARIZONA DEPARTMENT OF WATER RESOURCES
500 North Third Street
Phoenix, Arizona 85004

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 da following completion of the well.

RECEIVED
JUL 10 1998
RECORDS MGT

1. ZIM INDUSTRIES INC.
4545 EAST LINCOLN
FRESNO, CA 93725

2. Owner Name: City of Tempe
Address: P.O. Box 5002 Tempe AZ 85280
City State Zip

3. Location: 1 (N)S 4 (E)W 14 ¼ NW ¼ SW ¼ NE
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55- 551606 (Required)

5. Permit No. 74-547332 (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 140 ft.
7. Type of casing SS steel
8. Diameter and length of casing 24 in. from 0 to 36ft, 6 in from 126'6" to 136'6"
9. Method of sealing at reduction points
10. Perforated from to ,from to from to
11. Size of cuts Number of cuts per foot
12. If screen was installed: Length 90 ft. Diam 24 in. Type SS Steel
13. Method of construction Augered
(drilled, dug, driven, bored, jetted, etc)
14. Date started December 17 1997
Month Day Year
15. Date completed March 7 1998
Month Day Year
16. Depth to water 62 ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available
Ground Level
18. If flowing well, state method of flow regulation:
19. Remarks:

DWR-55-55-7/95 (Rev.)

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No. 55-551606
File No. A(1-4) 14 ACB
Received By
Entered By
ANSWERED JUL 21 1998

LOG OF WELL (A-1-4) 13bac

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	160	Sand, Gravel & Boulders
160	350	Clay to Boulders
350	497	Cemented Conglomerate
First water encountered 72'		

'81 MAY 21 PM 12:58
RESOURCES
ARIZONA

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Driller Benny Kramer
Weber Pump, Inc.
Name

P. O. Box 26729
Address
Tempe, AZ 85282

Date

STATE OF ARIZONA

DEPARTMENT OF
WATER RESOURCES

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner Kachina Redi-Mix
   Name
   1976 Pima St Tempe AZ 85281
   Address

2. Lessee or Operator Weber Pump, Inc.
   Name
   P. O. Box 26729, Tempe, AZ 85282
   Address

3. Driller Benny Kramer Weber Pump Inc
   Name
   P. O. Box 26729, Tempe, AZ 85282
   Address

4. Location of well: TWP-in RGE 4E Sect. 13 SW¼xNE¼xNW¼

5. Permit No. (if issued) 55-87355

DESCRIPTION OF WELL

6. Total depth of hole 490' ft.
7. Type of Casing 12" ID 10" ID
8. Diameter and length of casing 12 in. from 0 to 398, 10 in from 394 to 497.
9. Method of sealing at reduction points
10. Perforated from 401 to 497, from to , from to
11. Size of cuts ¼x2" Horiz Number of cuts per foot 48
12. If screen was installed: Length ft. Diam in. Type
13. Method of construction Cable Tool
    drilled, dug, driven, bored, jetted, etc.
14. Date started 3 (Month) 26 (day) 81 (year)
15. Date completed 5 (Month) 9 (day) 81 (year)
16. Depth to water 178 ft. (If flowing well, so state.)
17. Describe point from which depth measurements were made, and give sea-level elevation if available. 1' from surface
18. If flowing well, state method of flow regulation
19. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No. 55-87355
Received By
Entered 5-27-81 By
File No. A(1-4)13bac

(Well log to appear on Reverse side)

(A-1-4) 13 add

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If wa
sian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	12	Sandy top soil
12	120	Sand & gravel
120	200	Brown silt
200	265	Red conglomerate & sand
265	400	Red silt

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the sta
herein contained are true to the best of my knowledge and belief.

Driller Bruce Teel
Name

P.O. Box 21305, Phoenix, AZ., 85
Address

Date 29 March 1976

2-73

STATE OF ARIZONA

REPORT OF WELL DRILLER

This report should be prepared by the driller in all detail and filed with the State Land Commissioner following completion of the well.

1. OWNER Nesbitt Contracting Co., Inc.
Name
P.O. Box 1269, Mesa, Arizona, 85201
Address

2. Lessee or Operator
Name
Address

3. DRILLER Moss-Weber, Inc.
Name
P.O. Box 21305, Phoenix, Arizona, 85036
Address

4. Location of well: Twp. 1 N Rge. 4 E Section 13 SE ¼ SE ¼ NE ¼
10-acre subdivision

5. Intention to Drill File No. A (1-4) 13 add 35-36710 Permit No.

DESCRIPTION OF WELL

6. Total depth of hole 400 ft.

7. Type of casing Mild Steel

8. Diameter and length of casing 12 in. from +1 to -400, in. from to, in. from to

9. Method of sealing at reduction points N/A

10. Perforated from 100' to 115', from 160' to 380', from to, from to

11. Size of cuts 3/8" x 4" Number of cuts per foot 6

12. If screen was installed: Length N/A ft. Diam. in. Type

13. Method of construction Drilled
drilled, dug, driven, bored, jetted, etc.

14. Date started June (Month) 18 (Day) 1973 (Year)

15. Date completed July (Month) 17 (Day) 1973 (Year)

16. Depth of water ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available Ground Level

18. If flowing well, state method of flow regulation

19. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 4-6-76 by dfe

Filed 4-19-76 by dfe

File No. A(1-4)13 add

(Well Log to Appear on Reverse Side)

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

(A-1-4) 11 dba

From (feet)	To (feet)	Description of formation material
0	5	CLAY
5	9	BOULDERS & CEMENT
9	40	CLAY
40	130	GRAVEL, BOULDERS & SAND
130	170	SILTY SAND
170	175	SANDY CLAY
175	303	STICKY CLAY WITH GRAVEL
303	314	SAND & GRAVEL
314	415	STICKY CLAY & GRAVEL
415	424	SAND & GRAVEL
424	435	SANDY CLAY
435	463	BLACK CLAY
463	526	SANDY CLAY
526	540	SAND & GRAVEL
540	565	SAND & GRAVEL WITH LAYERS OF CLAY
565	580	SAND & GRAVEL
580	622	RED DECOMPOSED GRANITE WITH CLAY

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Ernest R. Parker
Name

327 N. 1st Street
Address

BUCKEYE, ARIZONA 85326
City State Zip

Date JULY 25, 1990

DEPARTMENT OF WATER RESOURCES
15 South 15th Avenue
Phoenix, Arizona 85007

MICROFILMED

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner INDIAN BEND GOLF COURSE
Name
7650 VIA MARENA SCOTTSDALE ARIZONA 85258
Mailing Address

2. Driller ODOM'S INC
Name
327 N. 1st STREET BUCKEYE ARIZONA 85326
Mailing Address

3. Location of well: 1N 4E Sec. 11 NE¼ NW¼ SE¼

4. Permit No. 55-527102
(If issued)

DESCRIPTION OF WELL

AUG 7 1992

5. Total depth of hole 622 ft.

6. Type of casing STEEL

7. Diameter and length of casing 16 in. from 0' to 20', 12 in from 0' to 624'.

8. Method of sealing at reduction points STEEL PLATE

9. Perforated from 300' to 610', from ____ to ____, from ____ to ____.

10. Size of cuts 3/8" X 3" Number of cuts per foot 8

11. If screen was installed: Length ____ ft. Diam ____ in. Type ____

12. Method of construction DRILLED
drilled, dug, driven, bored, jetted, etc

13. Date started JUNE 25 1990
Month Day Year

14. Date completed JULY 16 1990
Month Day Year

15. Depth to water 177 ft. (If flowing well, so state)

16. Describe point from which depth measurements were made, and give sea-level elevation if available GROUND LEVEL

17. If flowing well, state method of flow regulation: ____

18. Remarks: ____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

REG. No. 55-527102

File No. A(1-4)11 dba

Entered ____ By ____

RECEIVED AUG 27 1992

DWR-55-55-2/89

(A-1-4) 2 ddb

STATE LAND DEP. 5/2

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If artesian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	5	Topsoil
5	30	Caliche, gravel & boulders
30	117	Sand, gravel & boulders
117	160	Clay, sand & gravel
160	165	Silty clay & a little gravel
165	185	Silty sand & a little gravel
185	360	Silty clay, sand & a little pea gravel
360	375	Silty, sticky clay, sandstone rib & a little pea grav
375	385	Packed sand
385	395	Silty clay, sand & some small gravel
395	560	Silty clay, sand & some small pea gravel
560	700	Hard conglomerate

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Driller Lawrence Lee Lee
Name

P.O. Box 21305, Phoenix, AZ, 850
Address

Date 13 February 1978

2-73

STATE OF ARIZONA

REPORT OF WELL DRILLER

This report should be prepared by the driller in all detail and filed with the State Land Commissioner following completion of the well.

1. OWNER City of Scottsdale
Name
3939 Civic Center Plaza, Scottsdale, Arizona, 85252
Address

2. Lessee or Operator
Name
Address

3. DRILLER Moss-Weber Inc.
Name
P.O. Box 21305, Phoenix, Arizona, 85036
Address

4. Location of well: Twp. 1N Rge. 4E Section 2 NW ¼ SE ¼ SE ¼
10-acre subdivision

5. Intention to Drill File No. A(1-4) ddb Permit No. 35-43156

DESCRIPTION OF WELL

6. Total depth of hole 700 ft.

7. Type of casing Mild Steel

8. Diameter and length of casing 16 in. from 0' to 500', 14 in. from 484' to 700', in. from to

9. Method of sealing at reduction points Top shoe

10. Perforated from ① 350' to 480', from ② 484' to 700', from to , from to

11. Size of cuts ① 5/32" x 2½" ② ¼" x 1½" Number of cuts per foot ① 32 ② 67

12. If screen was installed: Length N/A ft. Diam. in. Type

13. Method of construction Drilled
drilled, dug, driven, bored, jetted, etc.

14. Date started March (Month) 31 (Day) 1977 (Year)

15. Date completed September (Month) 15 (Day) 1977 (Year)

16. Depth of water 280 ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available. Ground Level

18. If flowing well, state method of flow regulation

19. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 3-13-78 by LCS

Filed 3-21-78 by LCS

File No. A(1-4)2 ddb
35-43156

(Well Log to Appear on Reverse Side)

(A-1-4) 2 dbb

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate dept encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	5	Soil.
5	23	Caliche clay.
23	30	Tight gravel.
30	154	Sand gravel and boulders.
154	210	Sticky clay.
210	220	Silty clay.
220	240	Sandy gravelly clay.
240	265	Tough clay.
265	270	Packed sand and gravel.
270	310	Coarse sand and some gravel.
310	390	Tough gravelly clay.
390	440	Soft sandy clay and some gravel.
440	468	Clay and gravel.
468	471	Cemented Mt. wash.
471	485	Hard packed sand.
485	497	Cemented Mt. wash.
497	508	Silty clay.
508	520	Clay and gravel.
520	535	Cemented Mountain wash.
535	610	Cemented granite fill.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are t best of my knowledge and belief.

Driller C. W. Frenkel
Name

4150 E. Washington
Address

November 7, 1949
Date

RECEIVED
NOV 9 1949
STATE LAND DEPT.
OF ARIZONA

FORM W-3 2M 8-48 JAHN-TYLER

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

Report of Well Driller is required to be made and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, Seventeenth Legislature, First Special Session, 1945. A separate report shall be made for each well and filed within 30 days after completion of the well.

1. Owner Salt River Valley Water Users' Association
Name
Phoenix, Arizona.
Address

2. Lessee or Operator
Name
Address

3. Driller C. W. Freelove
Name
4150 East Washington, Phoenix, Arizona.
Address

4. Location of well: Twp. 1 N Rge. 4 E Section 2 NW 1/4 NW 1/4 SE 1/4
22-1/2 E. 5-1/2 N.
10-acre subdivision

DESCRIPTION OF WELL

5. Total depth of hole ~~xxxx~~ 610 ft.

6. Type of casing stove pipe. 8 ga.

7. Diameter and length of casing 20 in. from 0 to 520, in. from to , in. from to

8. Method of sealing at reduction points

9. Perforated from 210 to 505, from to , from to , from to

10. Size of cuts 5/8 x 4-1/2 Number cuts per foot 10

11. If screen was installed: Length ft. Diam. in. Type

12. Method of construction Drilled
drilled, dug, driven, bored, jetted, etc.

13. Date completed November 19, 1948
Month Year

14. Depth to water 60 ft.
If flowing well, so state.

15. Describe point from which depth measurements were made, and give sea-level elevation if available

16. If flowing well, state method of flow regulation

DISCHARGE DATA

17. Well discharge 3700 g.p.m.
gal. per min. or cu. ft. per sec. or miner's inches.

18. Method of discharge measurement Pitot Tube
weir, orifice, current meter, etc.

19. Drawdown 36 ft.

20. Purpose of use Irrigation

21. Place of use: (See 22) Twp. Rge. Section Legal subdivision Acres

~~22.~~ ~~Purpose of use~~

Twp. Rge. Section Legal subdivision Acres

22. If well is part of irrigation system of Irrigation District, Association or Company, omit 21 and give name of project.

S.R.V.W.U.A.
Name of Project

(A-1-4)2 d b-b.

EQUIPMENT DATA

23. Kind of pump Turbine
turbine, centrifugal, etc.

24. Kind of power Electric
electric, natural gas, etc.

25. Horsepower rating of motor 150

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 11/9/49 by kb
Filed 11/18/49 by kb
File No. (A-1-4)2 dbb
Cross-referenced (Name) by
Cross-referenced (Basin) by
Cross-referenced by

(See Other Side)

(A-1-4) 1cda

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water-bearing beds. If water is ar cate depth at which encountered, and depth to which it rose in well.

FROM (feet)	TO (feet)	DESCRIPTION OF FORMATION MATERIAL
0	5	Top soil
5	7	Sand, gravel and boulders
7	12	Soil
12	26	Soft clay
26	50	Clay and boulders
50	116	Sand, gravel and boulders
116	173	Clay and gravel
173	192	Sticky clay
192	272	Hard clay and caliche
272	385	Clay and some gravel
385	604	Hard and sticky clay
604	635	Caliche and gravel
635	750	Clay, caliche and boulders
750	810	Cemented boulders
810	833	Sticky clay and cemented boulders
833	843	Granite boulders
843	850	Hard red clay and rock

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements h tained are true to the best of my knowledge and belief.

Driller Roscoe Moss Company
Name

4360 Worth Street, Los Angeles,
Address

Date July 26, 1952

NOTE: Report and Log are to be completed by the permittee and driller, and mailed by the permittee to the Ground Water Division of the State Land Department immediately upon completion of the well and pumping test.

RECEIVED AUG 2 1952 STATE LAND DEPT.

RECEIVED PURCH DEPT

FORM W-6 1M 8-48 JAHN-TYLER Appl. S-140 (A-1-4) 1 cda Permit No. S-135

Land Departm
Ground Water
State of Arizona

REPORT OF WELL DRILLED IN CRITICAL AREA

Report of Well Drilled in Critical Area is required to be made and filed with the State Land Commissioner upon completion of the construction of such pursuant to Section 10, Chapter 5, House Bill No. 2, Eighteenth Legislature, Sixth Special Session, 1948.

1. Owner SALT RIVER VALLEY WATER USERS' ASSOCIATION, Phoenix, Arizona
   Name by J. F. Griswold, Secretary, Address
2. Lessee or Operator _____ _____
   Name Address
3. Driller Roscoe Moss Los Angeles, Calif.
   Name Address
4. Location of Well: Twp. 1 N Rge. 4 E Sec. 1 Legal Subdivision NE ¼ SE ¼ SW ¼
   10 acre subdivision
   It is _____ yards _____ from the nearest irrigation well.
   if less than ¼ mile direction
5. Purpose of use IRRIGATION
6. Place of use: Twp. _____ Rge. _____ Section(s) _____, _____ Acres _____
   Legal Subdivision
7. If well is part of Irrigation District, Association, or Company, omit 6 and give name of project:
   ~~MARICOPA COUNTY MUNICIPAL~~ S.R.V.W.U.A.

DESCRIPTION OF WELL

8. Total depth of hole 850 ft. 9. Type of Casing Hard red steel
10. Diameter and length of casing: 20 in. from 0 ft. to 840 ft; _____ in. from _____ ft. to _____ ft;
    _____ in. from _____ ft. to _____ ft; _____ in. from _____ ft. to _____ ft.
11. Method of sealing at reduction points Not Reduced
12. Perforated from 300 ft. to 820 ft; from _____ ft. to _____ ft; from _____ ft. to _____ ft.
13. Size of cuts 5/8 x 4-1/2 Number of cuts per foot 10 per 12 inches
14. If screen was installed: Length _____ ft. Diameter _____ in. Type _____
15. Method of drilling California Cable Tool
    drilled, dug, driven, bored, etc.
16. Date completed July 6, 1952 17. Depth to water 60 ft.
    Month Year (if flowing well, so state)
18. Describe points from which depth measurements were made Ground Surface
    _____ Sea-level elevation _____
    (if available)
19. Method of flow regulation if flowing well _____

REPORT OF PUMP INSTALLATION AND TEST

20. Tested well capacity _____ Method of measurement _____
    gallons per minute weir, orifice, meter, etc.
21. Depth immediately prior to capacity test, from land surface to static water level _____ ft.
22. Non-flowing well: Drawdown _____ ft. measured after _____ hours of continuous operation,
    (at least 4)
    and while pump is still operating.
23. Flowing well: Shut-in pressure _____ ft. above the land surface, or _____ pounds per square inch at the land surface.
24. Kind of Pump _____
    turbine, centrifugal, etc.
25. Kind of Power _____
    electric, natural gas, etc.
26. Horsepower Rating of Motor _____
27. Permittee J. F. Griswold Secty.
    Salt River Valley Water Users' Association

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 8-4-52 by lec
Filed 8-4-52 by lec
File No. (A-1-4) 1 cda
Cross-referenced (Name) _____ by _____
Cross-referenced (Basin) _____ by _____
Cross-referenced _____ by _____

LOG OF WELL (A-1-4) 12b

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate dep encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	15	Clay
15	103	Sand, gravel & Clay
103	120	Tight gravel
120	142	Clay
142	149	Gravel and fine sand
149	157	Clay
157	160	Fine sand and gravel 1 inch
160	203	Hard Caliche Clay
203	210	Sand, Clay and gravel 1 inch
210	237	Hard Clay
237	248	Sand, Clay and Gravel
248	340	Hard Red Clay
340	368	Hard Clay and Gravel
368	459	Caliche
459	465	Caliche and gravel
465	490	Caliche
490	493	Red Rock

I hereby certify that I have read the foregoing statements, and that each and all of the items therein contained are true to the best of my k and belief.

SALT RIVER VALLEY WATER USERS' ASSOCIATI

By H. J. Lawson

H. J. LAWSON

General Superintendent and Chief Engine

Phoenix, Arizona

Address

Date February 1, 1946

FORM W-2 10-45 JAHN-TYLER

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REGISTRATION OF WELL

Registration of well existing as of Oct. 3, 1945 is hereby made and filed with the State Land Commissioner as required by Section 5, Chapter 12, Senate Bill No. 3, Seventeenth Legislature, First Special Session 1945.

1. Owner SALT RIVER VALLEY WATER USERS' ASSOCIATION
Name
Phoenix, Arizona
Address

2. Lessee or Operator
Name
Address

3. Driller Roscoe Moss Company
Name
Phoenix, Arizona
Address

4. Location of well: Twp. 1N Rge. 4E Section 1 ¼ NW ¼ NE ¼
23-5/8E-6N
10-acre subdivision

DESCRIPTION OF WELL

5. Total depth of hole 493 ft.

6. Type of casing stovepipe

7. Diameter and length of casing 24 in. from to , in. from to , in. from to

8. Method of sealing at reduction points

9. Perforated from to , from to , from to , from to

10. Size of cuts 3/4 x 4" Number cuts per foot 90 to 248' - 12 holes - 12 inch.
~~248 to 465' 10 " 12 "~~

11. If screen was installed: Length ft. Diam in. Type

12. Method of construction drilled
drilled, dug, driven, bored, jetted, etc.

13. Date completed Month Year Deepened Month Year

14. Depth to water when drilled 45 ft.
If flowing well, so state.

15. Present depth to water 41.0 ft. Date of measurement December 7, 1945
If flowing well, so state.

16. Describe point from which depth measurements were made, and give sea-level elevation if available pumphouse floor - 1,210.2

17. If flowing well, state method of flow regulation

DISCHARGE DATA

18. Well discharge 8613 g.p.m.
gal. per min. or cu. ft. per sec. or miner's inches.

19. Method of discharge measurement weir
weir, orifice, current meter, etc.

20. Drawdown 67.27 ft.

21. Annual discharge in acre-feet, or number of hours pumped: 1944 201 a.f. or hrs. 1945 1,897 a.f. or hrs.

22. Purpose of use Irrigation

23. Place of use: (See 24) Twp. Rge. Section Legal subdivision Acres
Twp. Rge. Section Legal subdivision Acres

24. If well is part of irrigation system of Irrigation District, Association or Company, omit 23 and give name of project.
SALT RIVER VALLEY WATER USERS' ASSOCIATION
Name of Project

(A-1-3)1ab.

EQUIPMENT DATA

25. Kind of pump turbine
turbine, centrifugal, etc.

26. Kind of power electric
electric, natural gas, etc.

27. Horsepower rating of motor 87

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 2-1-46 by lj
Filed 2-5-46 by lj
File No. (A-1-4)1 ab 6001
Cross-referenced (Name) by
Cross-referenced (Basin) by
Cross-referenced by

(See Other Side)

WELL COMPLETION DIAGRAM

WELL NAME OR NUMBER: MRW-1

ADWR REGISTRATION NUMBER: 55-527951

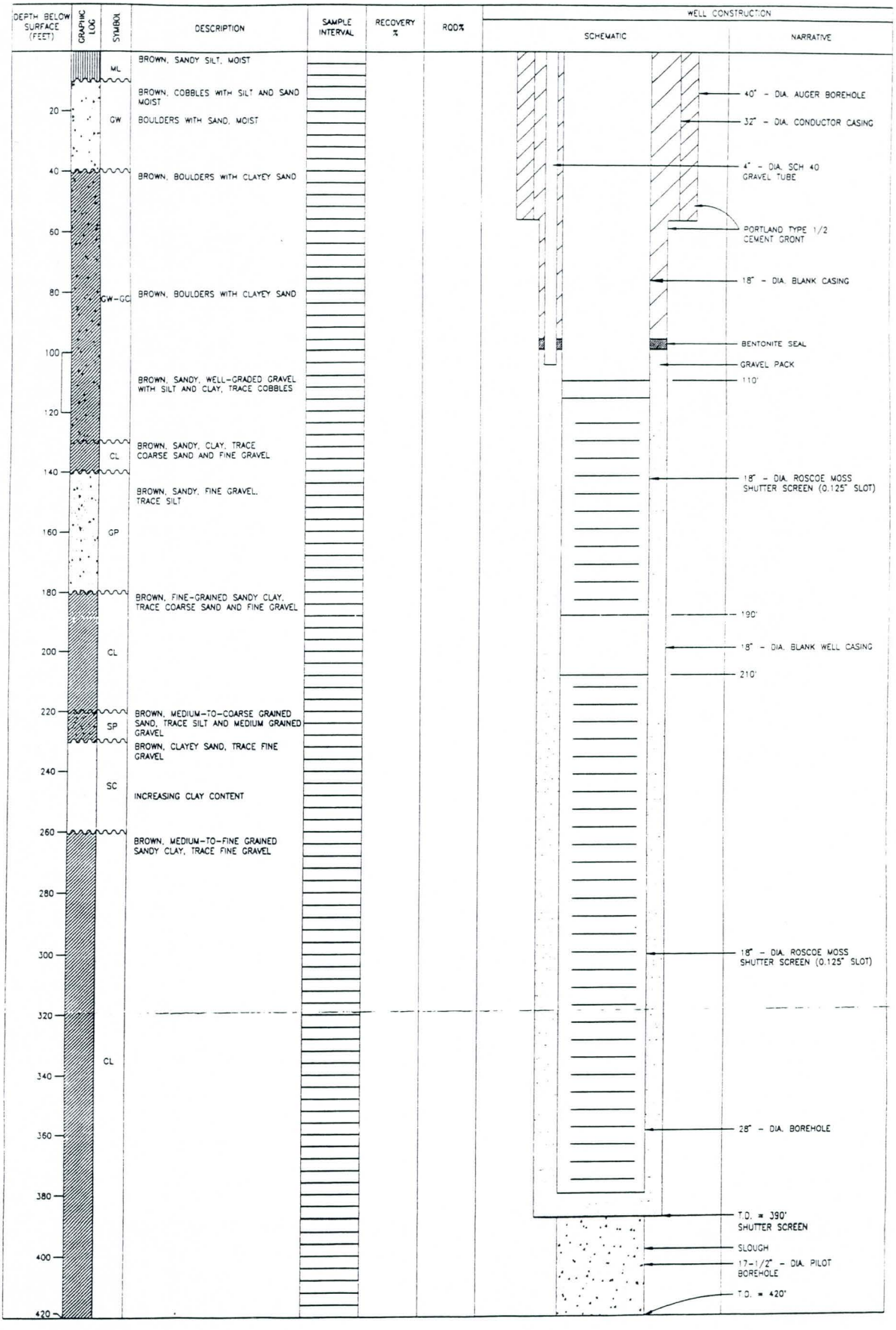
DATE COMPLETED: 2-8-93

GROUND SURFACE ELEVATION (MSL): 1190 FEET

TOTAL DEPTH: 420

LOCATION: MESA NW WATER RECLAMATION PLANT

COORDINATES: A(1-5)18abc (SW/NW/NE)



MRW-1
SHEET 1 OF 2
FIGURE 1

WELL COMPLETION DIAGRAM

WELL NAME OR NUMBER: MOW-1

ADWR REGISTRATION NUMBERS A: 55-527599
B: 55-527600
C: 55-527601
D: 55-527602

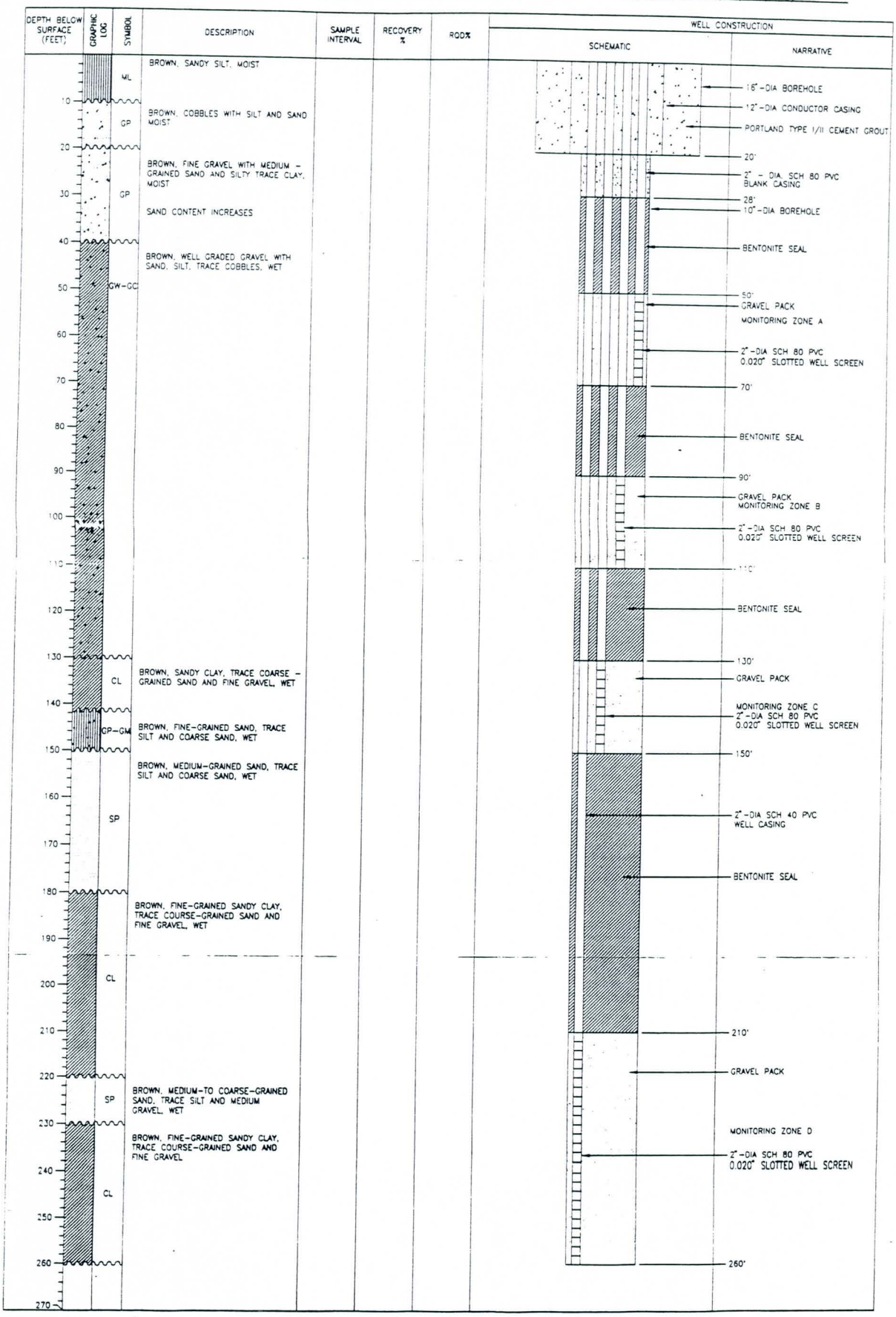
DATE COMPLETED: 2-12-93

TOP OF CASING ELEVATION (MSL) A: 1190.42 FEET
B: 1190.44 FEET
C: 1190.43 FEET
D: 1190.42 FEET

TOTAL DEPTH: 260 FEET

LOCATION: MESA NW WATER RECLAMATION PLANT

COORDINATES: A(1-5)18ccc (SW/SW/NE)



MOW-1
SHEET 1 OF 2
FIGURE 1

WELL COMPLETION DIAGRAM

WELL NAME OR NUMBER: MOW-2

ADWR REGISTRATION NUMBERS A: 55-537603
B: 55-537604
C: 55-537605
D: 55-537606

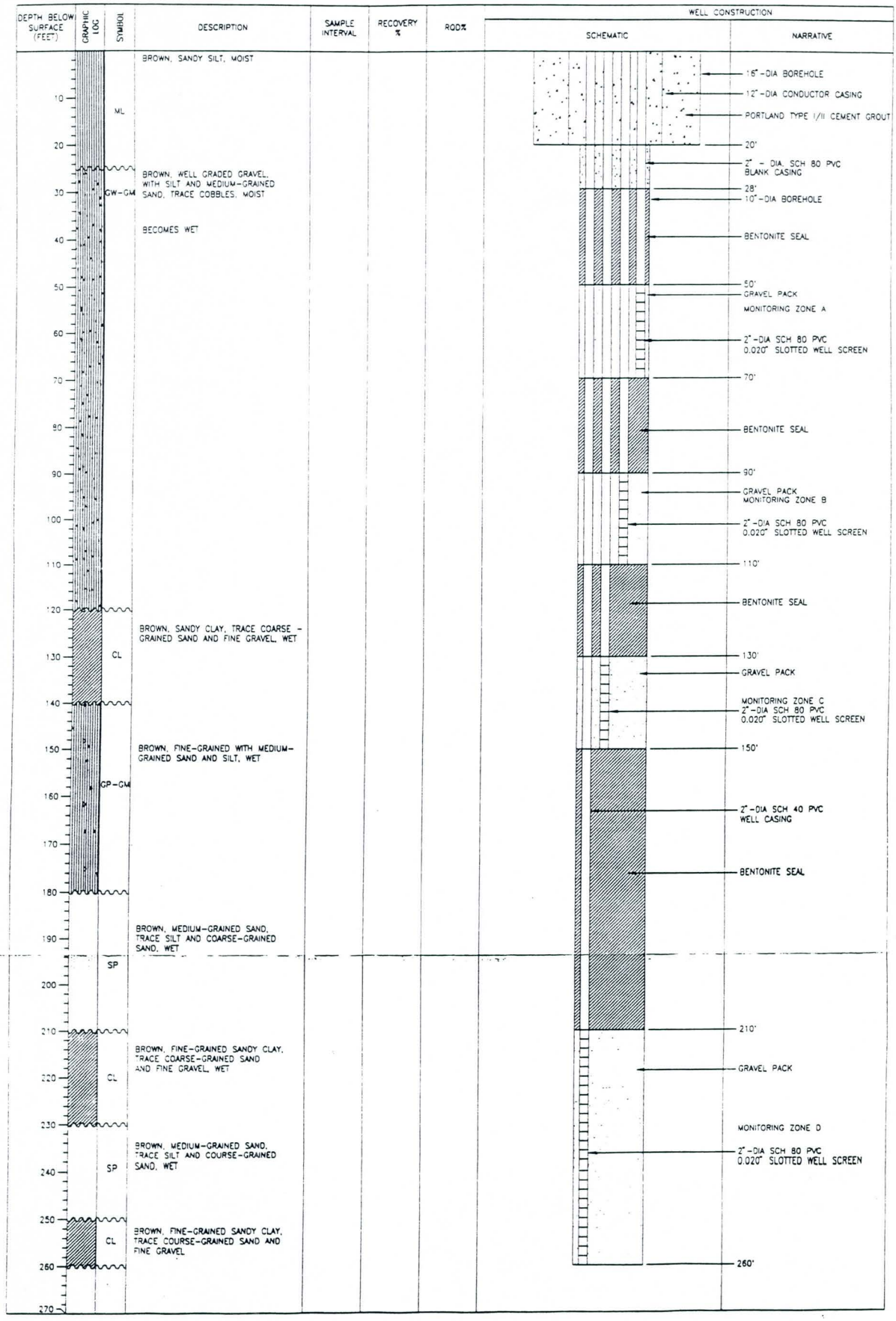
DATE COMPLETED: 2-19-93

TOP OF CASING ELEVATION (MSL) A: 1191.02 FEET
B: 1191.04 FEET
C: 1191.01 FEET
D: 1191.00 FEET

TOTAL DEPTH: 260 FEET

LOCATION: MESA NW WATER RECLAMATION PLANT

COORDINATES: A(1-5)18acc (SW/SW/NE)



MOW-2
SHEET 1 OF 2
FIGURE 1

DEPARTMENT OF WATER RESOURCES
15 South 15th Avenue
Phoenix, Arizona 85007

RECEIVED SEP 21 1989 DEPT. OF WATER RESOURCES

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner City of Mesa, Arizona
   Name
   City Hall, 55 North Center Street, Mesa, AZ 85211-1466
   Mailing Address
2. Driller Roy F. Senior, Jr. and Mert Cope
   Name
   P. O. Box 9995, Phoenix, AZ 85068
   Mailing Address
3. Location of well: Well #1, West Well Northwest Reclamation Plan 4
4. Permit No. 55-522678 A(1-5) 18 bbc (If issued)

DESCRIPTION OF WELL

5. Total depth of hole 170 ft.; cement plug back to 167'.
6. Type of casing Steel A(1-5) 18 bbc
7. Diameter and length of casing 12 in. from 0 to 20, 8-5/8 in from 0 to 170.
8. Method of sealing at reduction points 20' of 12" was grouted into 18" hole using neat cement.
9. Perforated from 70 to 170, from ____ to ____, from ____ to ____.
10. Size of cuts 3/16" x 3" Number of cuts per foot 10
11. If screen was installed: Length ____ ft. Diam ____ in. Type ____
12. Method of construction cable tool drilled
    drilled, dug, driven, bored, jetted, etc
13. Date started January (Month) 24 (Day) 1989 (Year)
14. Date completed February (Month) 20 (Day) 1989 (Year)
15. Depth to water 80 ft. (If flowing well, so state)
16. Describe point from which depth measurements were made, and give sea-level elevation if available ground level
17. If flowing well, state method of flow regulation: ____
18. Remarks: Well are not gravel packed. It was surged and bailed and developed naturally.

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

REG. No. ____

File No. ____

Entered ____ By ____

ENTERED SEP 25 1989

DWR-55-6-Rev. 2/89

MICROFILMED

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

(A-1-5) 18 bbc

From (feet)	To (feet)	Description of formation material
0	2	Sand Soil
2	67	Sand, Gravel & Boulders
67	92	Sand, Gravel, Boulders, Some Clay
92	115	Clay, Sand and Gravel
115	170	Sand with Little Clay
Casing Record:		
A	20' of 12"	Surface Casing
1.	20'6"	8-5/8" Perf.
2.	10'	8-5/8" Perf.
3.	9'10"	8-5/8" Perf.
4.	10'2½"	8-5/8" Perf.
5.	9'9½"	8-5/8" Perf.
6.	9'11"	8-5/8" Perf.
7.	10'3"	8-5/8" Perf.
8.	9'9½"	8-5/8" Perf.
9.	9'9½"	8-5/8" Perf.
10.	7-10	1 ts 8-5/8" Blank Pipe
Casing Record is as		installed which makes the numbering from bottom up with Jt #1
being bottom jt. and		Item #10 are the top 10 Jts.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Roy F. Senior, Jr.
Name

P. O. Box 9995
Address

Phoenix AZ 85068
City State Zip

Date 7/18/89

LITHOLOGIC LOG FOR MESA WRP NW-1

(A-1-5)18 bbc

Depth (feet)	Description
0-5	**Silty sand** (brown, 65-70% fine to coarse angular to sub-angular sand, 20-25% silt, and 5-10% fine to coarse sub-rounded to rounded gravel).
5-25	**Gravelly sand with boulders and silt** (brown, 50-60% fine to coarse angular to sub-angular sand, 20% fine to coarse sub-rounded to rounded gravel, 10-15% boulders, and 10-15% silt).
25-45	**Gravelly sand and boulders** (grey to brown, 50-60% fine to coarse angular to sub-angular sand, 15-20% fine to coarse sub-angular to rounded gravel, 10-20% cobbles and boulders, and 10-15% silt and clay).
45-50	**Gravelly sand with boulders** (brown, 55-60% fine to coarse angular to sub-angular sand, 15-20% fine to coarse gravel, 15-20% boulders, and 5-10% silt).
50-95	**Sandy gravel and boulders** (light brown, 40-50% fine to coarse sub-angular to rounded gravel, 25-30% boulders, 20-25% fine to coarse angular to sub-angular sand, and 5-10% silt and clay).
95-115	**Gravelly sand** (brown, 50-60% fine to coarse angular to sub-angular sand, 35-45% fine to coarse sub-angular to sub-rounded gravel, and 5-10% boulders).
115-125	**Sand with gravel** (brown, 65-70% fine to coarse angular to sub-angular sand, 15-20% fine to coarse sub-angular to sub-rounded gravel, and 10-15% silt and clay).
125-145	**Sand with clay and gravel** (brown, 60-70% fine to coarse angular to sub-angular sand, 10-15% clay, 10-15% fine to coarse sub-angular to sub-rounded gravel, and 5-10% silt).
145-170	**Silty sand with clay** (brown, 60-65% fine to coarse angular to subangular sand, 15-20% silt, and 10-20% clay).

DEPARTMENT OF WATER RESOURCES
15 South 15th Avenue
Phoenix, Arizona 85007

NW-2

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner City of Mesa, Arizona
   Name
   City Hall, 55 North Center Street, Mesa, AZ 85211-1466
   Mailing Address
2. Driller Roy F. Senior, Jr. and Mert Cope
   Name
   P. O. Box 9995, Phoenix, AZ 85068
   Mailing Address
3. Location of well: Well #2, Middle Well, Northwest Reclamation Plant
4. Permit No. 55-522679 A(1-5)18 bcd
   (If issued)

DESCRIPTION OF WELL

5. Total depth of hole 170 ft.; plugged back to 168'
6. Type of casing steel
7. Diameter and length of casing 12 in. from 0 to 2, 8-5/8 in from 0 to 170
8. Method of sealing at reduction points 20' of 12" casing was grouted into 18" hole neat c
9. Perforated from 100 to 170, from ____ to ____, from ____ to ____.
10. Size of cuts 3/16" x 3" Number of cuts per foot 10
11. If screen was installed: Length ____ ft. Diam ____ in. Type ____
12. Method of construction cable tool drilled
    drilled, dug, driven, bored, jetted, etc
13. Date started February (Month) 20 (Day) 1989 (Year)
14. Date completed March (Month) 10 (Day) 1989 (Year)
15. Depth to water 84 ft. (If flowing well, so state)
16. Describe point from which depth measurements were made, and give sea-level elevati if available ground level
17. If flowing well, state method of flow regulation: ____
18. Remarks: Well was not gravel packed. It was surged and bailed and developed naturally.

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

REG. No. ____

File No. ____

Entered ____ By ____

DWR-55-6-Rev. 2/89

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	10	Sandy Soil
10	45	Boulders, Sand and Gravel
45	96	Boulders, Sand and Gravel, Some Clay
96	119	Clay, Boulders, Sand and Gravel
119	170	Clay, Some Sand & Gravel
		CASING RECORD:
		A - 20' Casing Record is as installed which
		1. 10' Perf. makes the numbering from bottom up
		2. 10' Perf. with Jt. #1 being bottom Jt. and
		3. 10' 1½" Perf. Jt. #18 being top Jt.
		4. 9'10" Perf.
		5. 10' Perf.
		6. 9'11¼" Perf.
		7. 10' Perf.
		8. 10'4" Perf.
		9. 10'1-3/4" Perf.
		10. 10'1" Perf.
		11. 9'11-3/4" Blank
		12. 8'3/4" Blank
		13. 10'1½" Blank
		14. 9'11-3/4" Blank
		15. 10'¼" Blank
		16. 10'1½" Blank
		17. 7'8¼" Blank
		18. 5'1½" Blank

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Roy F. Senior, Jr.
Name

P. O. Box 9995
Address

Phoenix, AZ 85068
City State Zip

Date 7/18/89

LITHOLOGIC LOG FOR MESA WRP NW-2

(A-1-5)18bcd

Depth (feet)	Description
0-5	**Silty sand** (brown, 70-75% fine to coarse angular to sub-angular sand, and 25-30% silt).
5-20	**Sandy gravel and boulders** (brown, 35-45% fine to coarse angular to sub-rounded gravel, 30-35% fine to coarse angular to sub-angular sand, and 25-30% boulders).
20-65	**Gravel and boulders** (light brown, 50-55% fine to coarse angular to sub-angular gravel, 30-35% boulders, 5-10% sand, and 5-10% silt and clay).
65-90	**Gravel and boulders with sand** (brown, 50-55% fine to coarse sub-angular to rounded gravel, 25-30% boulders, 10-15% fine to coarse angular to sub-angular sand, and 5-10% silt and clay).
90-110	**Sandy gravel and boulders** (brown, 50-55% fine to coarse sub-angular to rounded gravel, 20-25% fine to coarse angular to sub-angular sand, and 20-25% boulders).
110-115	**Sandy gravel** (brown, 50-60% fine to coarse angular to sub-rounded gravel, 35-40% fine to coarse angular to sub-angular sand, and 5-10% silt and clay).
115-140	**Gravelly clay with boulders and sand** (brown, 30-40% clay, 25-30% fine to coarse angular to sub-rounded gravel, 20-25% boulders, and 10-15% fine to coarse angular to sub-angular sand).
140-170	**Clay and boulders with gravel** (brown, 50-60% clay, 25-30% boulders, and 10-20% fine to coarse angular to sub-rounded gravel).

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
15 South 15th Avenue
Phoenix, Arizona 85007

NW-3

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner City of Mesa, Arizona
Name
City Hall, 55 North Center Street, Mesa, AZ 85211-1466
Mailing Address

2. Driller Roy F. Senior, Jr. and Mert Cope
Name
P. O. Box 9995, Phoenix, AZ 85068
Mailing Address

3. Location of well: Well #3 East Well at Northwest Reclamation Plant

4. Permit No. 55-522680 A(1-5) 18 bdd
(If issued)

DESCRIPTION OF WELL

5. Total depth of hole 170 ft.; cement plugged back to 168'.

6. Type of casing steel

7. Diameter and length of casing 12 in. from 0 to 20, 8-5/8 in from 0 to 170.

8. Method of sealing at reduction points 20' of 12" casing was grouted into 18" hole using neat cement grout.

9. Perforated from 100 to 170, from ____ to ____, from ____ to ____.

10. Size of cuts 3/16" x 3" Number of cuts per foot 10

11. If screen was installed: Length ____ ft. Diam ____ in. Type ____

12. Method of construction cable tool drilled
drilled, dug, driven, bored, jetted, etc

13. Date started March (Month) 13 (Day) 1989 (Year)

14. Date completed April (Month) 5 (Day) 1989 (Year)

15. Depth to water 87 ft. (If flowing well, so state)

16. Describe point from which depth measurements were made, and give sea-level elevation if available ground level

17. If flowing well, state method of flow regulation: ____

18. Remarks: Well was not gravel packed. It was surged and bailed and developed naturally.

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

REG. No. ____

File No. ____

Entered ____ By ____

DWR-55-6-Rev. 2/89

Log of Well

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

NW-3

From (feet)	To (feet)	Description of formation material
0	5	Fill
5	45	Boulders, Sand & Gravel
45	120	Boulders, Sand & Gravel, Some Clay
120	125	Sand, Gravel, Some Clay
125	132	Clay with Some Sand & Gravel
132	162	Clay, Sand & Gravel
162	170	Clay, with Some Sand & Gravel
CASING RECORD:		
A.	20' of 12"	Perf. 17. 9'1¼" Blank
1.	10'4¼"	Perf. 18. 8'11½" Blank
2.	9'11½"	Perf. 19. 4' Blank
3.	9'11-3/4"	Perf.
4.	10'½"	Perf.
5.	10'2"	Perf. Casing Record is as installed which makes the
6.	10'4"	Perf. numbering from bottom up with Jt. #1 being
7.	9'11-3/4"	Perf. bottom Jt. and Jt. #19 being top Jt.
8.	10'1¼"	Perf.
9.	10'2½"	Perf.
10.	10'2¼"	Perf.
11.	8'11½"	Blank
12.	8'1-3/4"	Blank
13.	8'3¼"	Blank
14.	9'11½"	Blank
15.	5'8-3/4"	Blank
16.	9'11-3/4"	Blank

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Roy F. Senior, Jr.
Name

P. O. Box 9995
Address

Phoenix AZ 85068
City State Zip

Date 7/18/89

LITHOLOGIC LOG FOR MESA WRP NW-3

(A-1-5)18 bdd

Depth (feet)	Description
0-5	**Silty sand with boulders** (dark brown, 50-60% fine to coarse angular to sub-rounded sand, 25-30% silt, 10-20% boulders, and 5% fine to coarse sub-angular gravel).
5-20	**Gravel and boulders with sand** (brown, 40-50% fine to coarse angular to sub-rounded gravel, 30-35% boulders, 15-20% angular to sub-angular sand, and 5% silt and clay).
20-75	**Sandy gravel and boulders** (brown, 40-45% fine to coarse angular to sub-rounded gravel, 25-35% fine to coarse angular to subangular sand, 20-25% boulders, and 5% silt and clay).
75-90	**Gravel and boulders with silt and clay** (light brown, 45-50% fine to coarse angular to sub-rounded gravel, 30-35% boulders, 10-15% silt and clay, and 5-10% fine to coarse angular to sub-angular sand).
90-120	**Sandy gravel with clay and boulders** (light brown, 40-50% fine to coarse angular to sub-rounded gravel, 25-30% fine to coarse angular to sub-angular sand, 15-20% clay, and 10-15% boulders).
120-140	**Clayey gravel and boulders** (brown, 40-50% fine to coarse angular to sub-rounded gravel, 25-30% clay, 20-25% boulders, and 5-10% fine to coarse angular to sub-angular sand).
140-155	**Clayey sand with gravel** (light brown, 45-50% fine to coarse angular to sub-angular sand, 30-35% clay, 10-20% fine to medium angular to sub-rounded gravel, and 5% boulders).
155-170	**Clay with sand and gravel** (light brown, 55-60% clay, 25-30% fine to coarse angular to sub-angular sand, 10% fine to medium angular to sub-rounded gravel, and 5% boulders).

RECORDED

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

This report should be prepared by the driller in all detail and filed with the State Land Commissioner following completion of the well.

1. OWNER Arizona Public Service Company No. 3
Name
P. O. Box 2591 - Phoenix, Arizona
Address

2. Lessee or Operator same
Name
Address

3. DRILLER Dodge Black
Name
1311 East 8th Street - Tempe, Arizona
Address

4. Location of well: Twp. 1N Rge. 5E Section 18 NW ¼ NW ¼ SW ¼
10-acre subdivision

5. Intention to Drill File No. Permit No.

DESCRIPTION OF WELL

6. Total depth of hole 800 ft.

7. Type of casing steel

8. Diameter and length of casing 20 in. from 1 to 400, 16 in. from 400 to 800, in. from to

9. Method of sealing at reduction points

10. Perforated from 790 to 400, from to, from to, from to

11. Size of cuts 1/2 x 4" Number of cuts per foot 6

12. If screen was installed: Length ft. Diam. in. Type

13. Method of construction drilled
drilled, dug, driven, bored, jetted, etc.

14. Date started March (Month) 15 (Day) 1959 (Year)

15. Date completed June (Month) 15 (Day) 1959 (Year)

16. Depth of water 180 ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available ground level

18. If flowing well, state method of flow regulation

19. REMARKS: cement bottom of 20'
drilled out from bottom

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 7-21-59 by RAT

Filed 7-22-59 by RAT

File No. (A-1-5)1E cdd

(Well Log to Appear on Reverse Side)

WD FORM G-301
REV. 4-27-53

LOG OF WELL (A-1-5) 18cb1

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If wat is sian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
1	10	Silt and sand
10	110	Sand and gravel
110	120	Water gravel
120	230	Light sandy clay
230	260	Packed sand
260	320	Light sandy clay
320	365	Heavy clay and water
365	385	Loose silt
385	450	Silt and clay
450	470	Light silt clay
470	540	Clay and gravel
540	600	Decomposed granite
600	660	Light sandy clay and gravel
660	800	Clay and decomposed granite

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the state n herein contained are true to the best of my knowledge and belief.

Driller Dodge Black
Name

1311 East 8th Terrace Pizona
Address

Date 7/10/59

FORM ~~A-1-5~~ G-301

WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

(A-1-5) 18 cdc

EXCERPT OF 1945 GROUNDWATER LAW

Report of Well Driller must be prepared by the driller in all detail and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, First Special Session, 1945. This report should be in the mail within 30 days following completion of the well. Section 8 of the law provides: "Any person (includes any individual, firm, public or private corporation, or governmental agency) who shall fail or refuse to make any of the reports, give the notices required, or fail to cooperate with the State Land Commissioner or his representative, under the provisions of this Act, shall be guilty of a misdemeanor and shall be fined a sum not exceeding One Hundred Dollars."

1. OWNER S. R. V. W. U. A. SRP 24.3E-3N
Name
P. O. Box 1980, Phoenix, Arizona
Address

2. Lessee or Operator
Name
Address

3. DRILLER Roscoe Moss Co.
Name
4360 Worth St., Los Angeles, California
Address

4. Location of well: Twp. 1 N Rge. 5 E Section 18 SW ¼ SE ¼ SW ¼
10-acre subdivision

5. Intention to Drill File No. (A-1-5)18 cdc

DESCRIPTION OF WELL

6. Total depth of hole 770 ft.

7. Type of casing Hard red steel

8. Diameter and length of casing 20 in. from 0 to 734 in. from to , in. from to

9. Method of sealing at reduction points

10. Perforated from 145 to 720 , from to , from to , from to

11. Size of cuts 5/8 x 4-1/2 Number cuts per foot 10 per 12 inches

12. If screen was installed: Length ft. Diam in. Type

13. Method of construction Drilled Calif Type Cable Tool
Note: drilled, dug, driven, bored, jetted, etc.

14. Date completed October 31, 1951 (Date should be October 31, 1951)
Month Year

15. Depth to water 72 ft.
If flowing well, so state.

16. Describe point from which depth measurements were made, and give sea-level elevation if available
Ground Surface.

17. If flowing well, state method of flow regulation

18. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 7-29-53 by ZLC
Filed 7-29-53 by ZLC
File No. (A-1-5) 18 cdc

(Well Log to Appear on Reverse Side)

LOG OF WELL (A-1-5) 18 cb

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If wa
sian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	7	Top soil
7	155	Sand and boulders
155	450	Sandy clay and caliche
450	510	Clay and hard caliche
510	538	Tight gravel and sandstone
538	550	Tough sticky clay
550	770	Tight gravel and clay with granite.

RECEIVED JUL 29 1953 STATE LAND DEPT

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the st
herein contained are true to the best of my knowledge and belief.

Driller ROSCOE MOSS COMPANY
Name

4360 Worth Street, Los Angeles, Calif.
Address

Date July 28, 1953.

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

This report should be prepared by the driller in all detail and filed with the State Land Commissioner following completion of the well.

1. OWNER [illegible]
Name
629 No. Roosevelt Mesa, Az.
Address

2. Lessee or Operator D & R DRILLING
Name
P.O. BOX # 338 Queen Creek, Az. 85242
Address

3. DRILLER D & R DRILLING
Name
P.O. BOX # 338 Queen creek, Az. 85242
Address

4. Location of well: Twp. 1N Rge. 8E Section 18 NE NW SE ¼ ¼ ¼
10-acre subdivision

5. Intention to Drill File No. 55 1-518D-BA Permit No. 3940

DESCRIPTION OF WELL

6. Total depth of hole 515 ft.

7. Type of casing STEEL

8. Diameter and length of casing 8 in. from 0 to 499, ... in. from ..... to ....., ... in. from ..... to .....

9. Method of sealing at reduction points NONE

10. Perforated from NONE to ....., from ..... to ....., from ..... to ....., from ..... to .....

11. Size of cuts NONE Number of cuts per foot .....

12. If screen was installed: Length ..... ft. Diam. ..... in. Type .....

13. Method of construction DRILL
drilled, dug, driven, bored, jetted, etc.

14. Date started 4-27 81
Month Day Year

15. Date completed 7-1-81
Month Day Year

16. Depth of water 235 ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available [illegible] L.S.L

18. If flowing well, state method of flow regulation .....

19. REMARKS: GRAVEL BACK FROM XXXX 515 BACK TO 490

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received ..... by .....

Filed 4-2-82 by .....

File No. A(1-5)18 DBA b
55-84071

(Well Log to Appear on Reverse Side)

WD FORM G-301
REV. 4-27-53

LOG OF WELL (A-1-5) 18dbb

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If wat is sian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	15	Sand & gravel
15	30	Sand & boulders
30	50	Sand, gravel & boulders
50	60	Sand , gravel & boulders
60	143	Sand & gravel
143	170	Sand
170	190	Sand & Clay
190	217	Conglomert
217	250	Sand & gravel
250	300	Conglomert
300	345	Sand & gravel
345	390	Sand, clay & gravel
390	435	Conglomert
435	490	Sand, clay & gravel
490	515	Conglomert
		1st. Water@ 132 ft., next water @ 235 ft., depth and thickness of water beds unkown.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the sta ne herein contained are true to the best of my knowledge and belief.

DEPARTMENT OF WATER RESOURCES
[illegible] 1981

Driller C. Frank Briggs
Name

W. R. Dowling
PO Box 338 Queen Creek Ariz
Address

Date 7-31-81

FORM W-3 2M 12-47 JAHN-TYLER

SRP 25E-3.1N

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

Well 25-E-3-N

REPORT OF WELL DRILLER

Report of Well Driller is required to be made and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, Seventeenth Legislature, First Special Session, 1945. A separate report shall be made for each well and filed within 30 days after completion of the well.

1. Owner Salt River Valley Water Users' Association
Name
Phoenix, Arizona.
Address

2. Lessee or Operator
Name
Address

3. Driller Robison and Mason (For Roscoe Moss Company)
Name
4360 Worth Street, Los Angeles, California.
Address

4. Location of well: Twp. 1-North Rge. 5-East Section 18 SE ¼ SE ¼ SE ¼
10-acre subdivision

DESCRIPTION OF WELL

5. Total depth of hole 704' ft.

6. Type of casing Hard Red Steel Casing

7. Diameter and length of casing 20 in. from 0 to 702, in. from to, in. from to

8. Method of sealing at reduction points Not Reduced

9. Perforated from 170 to 682, from to, from to, from to

10. Size of cuts 5/8 x 4½ Number cuts per foot 10 per 12 inches

11. If screen was installed: Length ft. Diam in. Type

12. Method of construction Drilled Wichita Falls Spudder
drilled, dug, driven, bored, jetted, etc.

13. Date completed March 26, 1949
Month Year

14. Depth to water 85' ft.
If flowing well, so state.

15. Describe point from which depth measurements were made, and give sea-level elevation if available Ground Surface.

16. If flowing well, state method of flow regulation

DISCHARGE DATA

17. Well discharge 4290 g.p.m.
gal. per min. or cu. ft. per sec. or miner's inches.

18. Method of discharge measurement pitot tube
weir, orifice, current meter, etc.

19. Drawdown 37 ft.

20. Purpose of use Irrigation

21. Place of use: Twp. Rge. Section Acres
(See 22) Legal subdivision

22. ~~Purpose of use~~

Twp. Rge. Section Acres
Legal subdivision

22. If well is part of irrigation system of Irrigation District, Association or Company, omit 23 and give name of project.

Name of Project

(A-1-5) ddd

EQUIPMENT DATA

23. Kind of pump Turbine
turbine, centrifugal, etc.

24. Kind of power Electric
electric, natural gas, etc.

25. Horsepower rating of motor 200

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 1/24/50 by kb
Filed 2/24/50 by kb
File No. (A-1-5)18 ddd
Cross-referenced (Name) by
Cross-referenced (Basin) by
Cross-referenced by

(See Other Side)

LOG OF WELL

(A-1-5) 18 ddd
SRP 25E-3.1N

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate c[illegible] encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	12	Cemented boulders
12	135	Cemented gravel and boulders
135	145	Loose gravel
145	150	Cemented gravel
150	170	Loose gravel
170	305	Clay
305	310	Cemented gravel
310	365	Clay
365	400	Clay, with sand and gravel
400	440	Clay and gravel
440	490	Clay and sand hard
490	510	Clay and sand and shells
510	515	Sand, hard
515	520	Clay
520	550	Sandy clay and gravel
550	570	Cemented sand
570	575	Sand loose
575	585	Gravel
585	590	Sandy clay
590	620	Gravel and sand
620	625	Clay
625	640	Sand, clay and gravel
640	660	Cemented gravel
660	675	Gravel with cemented streaks
675	704	Cemented gravel

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are tr[illegible] best of my knowledge and belief.

STATE LAND DEPT. OF ARIZONA

Driller Robidon and Mason (For Roscoe [illegible])
Name

Address

Date January 20, 1950

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

This report should be prepared by the driller in all detail and filed with the State Land Commissioner following completion of the well.

Supply Well No. 1

1. OWNER Motorolla, Inc. (Semi-conductor division)
Name
2200 W. Broadway Mesa, AZ 85202
Address

2. Lessee or Operator
Name
Address

3. DRILLER BC&M Drilling, Inc.
Name
1128 S. Lewis Mesa, AZ 85202
Address

4. Location of well: Twp. 1N Rge. 5E Section 19 NW ¼ NE ¼ SW ¼
10-acre subdivision

5. Intention to Drill File No. A (1-5) 19 ~~cab~~ dca Permit No. 35-40239

DESCRIPTION OF WELL

6. Total depth of hole 1205 ft.

7. Type of casing Mild Steel

8. Diameter and length of casing 16 in. from 0 to 1179, in. from to, in. from to

9. Method of sealing at reduction points

0. Perforated from 379 to 1179, from to, from to, from to

1. Size of cuts 1/8" x 3" Number of cuts per foot 24

2. If screen was installed: Length ft. Diam. in. Type

3. Method of construction Drilled by Reverse air
drilled, dug, driven, bored, jetted, etc.

. Date started 10 (Month) 5 (Day) 76 (Year)

. Date completed 10 (Month) 20 (Day) 76 (Year)

. Depth of water 245 ft.
If flowing well, so state.

. Describe point from which depth measurements were made, and give sea-level elevation if available 1200'
Above sea level (approx.)

. If flowing well, state method of flow regulation

. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received by

Filed by

File No. A(1-5)19 ~~cab~~ dca
35-40239

(Well Log to Appear on Reverse Side)

b C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

(A-1-5)19 c c
SW-1
DATE 10-7-7

COMPANY B.C.&M DRILLING
NAME OF WELL AR: MOTOROLA INC
BIT SIZE 26"

NUMBER OF WELL A-76-5
NUMBER OF BITS USED 1
TYPE AND FEET PER BIT

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTAR RPM
0	35'	VERY HARD - LOT OF ROCK -			SURFACE CASING SE		
		35' - SURFACE CASING SETTER COULD NOT DIG DEE					
35'	40'	ROCKS, ROCKS & ROCKS	11:AM	6:PM	7 HRS		
		CONN	6:PM	6:50	50	CHANGE OVER	
40	45'		6:50	10:05	3:15 min		
45'	50'	11:00 PM - TO 11:45 (45 min) PUMP SHUT DOWN	10:05	12:20	2:15 min		
50'	55'	ROCKS	12:20	1:50	1½ hr.		
55'	60'	ROCKS	1:50	3:10	2 hr. 15 min		
60'	65'.	ROCKS	3:10	4:20	1 hr. 10 min		
65'	70	PUMP DOWN 5:30 TO 6:00 LOCKED IN GASOLINE	4:20	8:40	4:40		
70	73		8:40	10:13			
		CONN	10:13	10:45			
73	75	ROCK	10:45	11:05	20		
	80	✓	11:05	12:00	55		
80	85	✓	12:00	12:55	55		
85	90	✓	12:55	2:50	2:55		
90	95	✓	2:50	3:25	35		
95	103'	✓	3:25	3:55	30		
		CONN					
103	105	ROCKS	4:40	4:57	17		
105	110'	✓	4:57	5:20	27		
110'	115	✓	5:20	5:44	24		
115	120	✓	5:44	6:10	16		
120	125	✓	6:10	6:30	20		
125	130	✓	6:30	6:50	20		
130	133	COMPANY TAILGATE SWIVEL SERVICE RIG	6:50	7:00 PM			
1 HOURS							
133	135	CIRC. 30 MIN.	7:15	8:00	45		
135	140	ROCKS	8:00	8:45	45		
140	145	ROCKS	8:45	9:55	55		
145	150	SAND & ROCKS	9:55	10:30	35		

REMARKS:

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

(A-15) 19dca
SW-1

DATE 10-8-76

COMPANY B C & M

NAME OF WELL Motorola

BIT SIZE 26"

NUMBER OF WELL A-76-5

NUMBER OF BITS USED 1

TYPE AND FEET PER BIT

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPM	WEIGHT ON BIT
0	155	Rocks	10:30	11:15	45			
5	160	CONN	11:15	12:15	60			
0	162		12:15	12:30	15			
2	165	Rocks	12:30	12:45	15			
5	170		12:45	1:10 Am	25			
0	175		1:10	1:45	35			
5	180	Gravel	1:45	2:00	15			
0	185	& Sand	2:00	2:12	12			
5	190	CONN	2:12	2:17	05			
0	192		2:17	2:30	13			
2	195	Gravel & Sand	2:30	3:05	35			
5	200		3:05	3:25	20			
0	205		3:25	3:50	25			
5	210	Gravel & Sand	3:50	4:20	30			
0	215		4:20	5:00	40			
5	220	CONN	5:00	5:10	10			
0	222	Clay Mud	5:10	5:30	20			
CONN		around Wis. 90	5:30	6:35	65			
2	225		6:35	6:40	05			
5	230		6:40	6:50	10			
0	235		6:50	7:05	10			
5	240		7:05	7:15	10			
0	245		7:15	7:20	05			
5	250		7:20	7:25	05			
0	253		7:25	7:30	05			
		CONN	1:30	CHANGING BIT - SUBS - ETC				
	255	ROCK FILL UP	1:00	4:00	3 HRS	FILL UP WITH LOOSE ROCKS		
	260		4:00					
	265			7:30				
	267	Plugged Bit	9:30	11:45	UNPLUGGING DRILL PIPE	Clogged AIR LINE		
	270	Clay & trap Rock	11:45	12:00	15			
	275	Sand and clay	12:00	3:30	3½ Hrs			

MARKS:

Page 3

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

(A-1-5)19 SW-1

DATE 10-

COMPANY BC+M

NAME OF WELL Motorola

BIT SIZE 26"

NUMBER OF WELL A-26-

NUMBER OF BITS USED 1

TYPE AND FEET PER BIT

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTAR RPM
		Bad spot					
75	278	Rocks + Rocks	3:30	5:40			
78	280		5:40	6:40			
80	283	CONN circ 15 min for cond	6:40	6:50			
83	285		7:30	7:35	5		
85	280		7:35	7:50	15		
90	295		7:50	8:05	15		
95	300		8:05	4:20	15		
00	305		8:25	8:46	21		
05	310		8:46	10:00	1:14		
0	312		10:00	10:30	30		
		CONN	10:30	10:45	15		
2	315		10:45	11:20	35		
5	320		11:20	12:00	40		
20	325		12:00	12:16	16		
25	330		12:16	12:31	15		
0	335		12:31	12:47	18		
5	340		12:47	12:58	11		
40	343		12:58	1:03	5		
		CONN	1:03	2:00	47	MOVED	COMPRESS
43	345		2:00	2:07	7		
45	350		2:07	2:32	25		
50	355		2:32	2:49	17		
55	360		2:49	309	20		
0	365		309	3:30	21		
65	370		3:30	3:52	22		
70	374		3:52	4:00	8		
		CONN	4:00	4:45	45	N/C DRILL PIPE	
74	375		4:45	5:06	21		
75	380		506	5:50	44		
0	385		5150	6:00	10		
75	390		6:00	614	14		
0	395		6:14	6:25	11		

REMARKS:

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

(A-1-5)14aca SW-1

DATE 10-10/76

COMPANY BC&M

NAME OF WELL MOTOROLA

BIT SIZE 26"

NUMBER OF WELL A-76-5

NUMBER OF BITS USED

TYPE AND FEET PER BIT

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPM	WEIGHT ON BIT
395	400'	Change out flex pipe	6:25	6:36	11			
00	404	Change out Leaky	6:36	6:45	9			
		CONN (31.00')	6:45	8:00	1.15hr			
04	410		8:00	8:45				
10	415	Leaker Change out	8:45	9:50	1:10			
15	420		10:10	10:50	1:10			
20	425		10:50	12:00	10			
25	430	Hard Rocks & Clay	12:00	12:20	20			
30	435	Hard Rocks	12:20	2:30	2:10			
35	439	CONN (Clay	2:30	3:00	70			
39	440	Clay & sand	3:00	3:15	15			
40	445	clay, sand & Gravel	3:15	4:00	45			
45	450	Clay	4:00	4:40	40			
50	455	Clay	4:40	5:20	40			
55	460	Clay, Gravel-sand	5:20	5:55	35			
60	465	Clay & Rocks	5:55	6:55	1:00			
65	467		6:55	7:05	10			
		CONNECTION	7:05	7:30	25	TIGHTEN SWIVEL PACKING		
67	470	CLAY	7:34	7:48	14			
70	475		7:48	8:03	15			
75	480		8:03	8:22	19			
80	485		8:22	8:48	26			
85	490		8:48	9:05	17			
90	495		9:05	9:45				
		CONN	9:45	12:25		TEAM for SET SUB		
15	500		12:25	1:10	45			
00	505		1:10	2:20				
5	510		3:50	7:45		TOP OF HOLE FOR NEW 13"		
0	515		7:45	8:55	70			
5	520		8:55	9:45	50			
0	525		9:45	10:35	50			
		CONN	10:35	10:50	15			

REMARKS:

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

(A-1-5) 19c
SW-1

DATE 10/11/7

COMPANY B C & M

NAME OF WELL MOTOROLA

BIT SIZE 36"

NUMBER OF WELL A-76-

NUMBER OF BITS USED

TYPE AND FEET PER BIT

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPM
525	529		10:50	12:30	40 ADDED 4' JET		
529	530		12:30	1:30	60		
530	535		1:20	4:00	2:40		
535	540		4:00	5:50	1:50		
540	545		5:50	6:35	45		
545	550		6:35	7:00	25		
550	555		7:00	820	TOO D/P LEAKER CHECK		
555	559		820	830	10		
		CONN	830	845	15		
559	560		8:45	8:50	5		
560	565		8:50	855	5		
565	570		855	9:05	10		
570	575		9:05	9:45	40		
575	580		9:045	11:00	1:15		
580	585	GRAVEL...	11:00	11:42	42		
585	589	GRAVEL-CLAY	11:42	12:35	53		
		CONN	12:35	12:50	15		
589	590	GRAVEL	12:50	1:00	10		
590	595	"	1:00	2:10	1:10		
595	600'	GRAVEL & SOME CLAY	2:10	3:14	1:24		
600'	605'	"	3:14	3:45	31		
605'	610'	GRAVEL	3:45	4:48	63		
610	615		4:48	5:50	1:02		
615	619		5:50				
		CONN					
619	620	Lowered down & Leakers Gravel	7:05	7:35	30		
620	625		7:35	8:35	60		
625	630	GRAVEL	8:35	9:15	40		
630	635		9:15	9:45	30		
635	640	Gravel & Rock	9:45	10:45	60		
640	645		10:45	12:10	85		
645	650	~~Rock~~	~~12:10~~	~~1:45~~	~~85~~	~~[illegible]~~	
		Rock 645-650	12:10	1:45	85		

REMARKS:

(A-1-5)19dca
SW-1

Page 6

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

DATE 10/12/76

COMPANY B C & M

NAME OF WELL Motorola

BIT SIZE 26"

NUMBER OF WELL A-76-5

NUMBER OF BITS USED #3

TYPE AND FEET PER BIT

DEPTH		FORMATION	TIME		TOTAL	AIR-PSI	ROTARY	WEIGHT
FROM	TO	Hard Rock + Gravel	START	END	MIN.	COMPRES.	RPM	ON BIT
50	655	CONN Layed down Leaker	1:45	3:20	95			
5	660	Hard Rock + Gravel	3:50	5:25	95			
60	665	Hard Rock + Gravel	5:25	6:50	85			
5	670	GRAVEL & CLAY	6:50	7:40	50			
0	675	" "	7:40	8:17	37			
5	680	" "	8:17	8:45	28			
0	685		8:45	9:20	3:40	REPAIR VALVES	AIR COMPRESSOR	
		CONN	1:15	2:30	2:10	✓	✓	✓
5	690		2:30	3:00	30			
0	695		3:00	3:40	40			
5	700		3:40	4:22	42			
0	705'		4:22	5:05	41			
5'	710'		5:05	5:30	25			
	715		5:30	6:00	30			
5	716		6:00	6:03	03			
		CONN	6:03	6:17	14			
16	720		6:17	6:50	33			
0	725		6:50	7:30	40			
5	730		7:30	8:15	45			
0	735		8:15	9:00	45			
5	740		9:00	9:45	45			
40	745		9:45	10:30	45			
		CONN	10:30	11:00	30			
5	750	Rocks + Gravel	11:00	11:50	50			
0	755		11:50	12:45	55			
5	760		12:45	1:40	55			
0	765		1:40	2:30	50			
5	770		2:30	3:25	55			
0	775		3:25	4:15	50			
		CONN	4:25	5:00	Layed down Leaker			
5	780		5:00	5:35	35			
0	785		5:35	6:30	55			

REMARKS: Ramada Inn Springerville   Tony 333-4365

(A-1-5)17 c
SW-1

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

DATE 10/14/

COMPANY BC&M
NAME OF WELL Motorola
BIT SIZE 26"

NUMBER OF WELL A-26
NUMBER OF BITS USED #3
TYPE AND FEET PER BIT

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTAR RPM
85	790		6:30	8:35	2:05	REPLACED PACK SWIVEL	
10	795		8:35	9:30	55		
95	800		9:30	11:30	120	OUT OF HOLE F	
00	805'		11:30	3:30	240	RAISING DRT	
		CONN	3:30	3:50	20		
05'	810'		3:50	4:20	30		
0'	815'		4:20	4:55	35		
5'	820		4:55	5:25	30		
20	825		5:25	5:55	30		
25	830		5:55	6:25	30		
30'	834		6:25	6:55	30		
		CONN	6:55	710			
4	840	Gravel	7:10	7:45	35		
40	845	Gravel + Stones	7:45	8:45	60	Getting Hard	
45	850	Rock + Gravel	8:45	9:45	60	"	"
50	855		9:45	10:30	45		
55	860		10:30	11:05	35		
60	864		11:05	11:35	30		
		CONN.	11:45	12:05	20	Layed down	
64	870		12:05	1:00	55		
70	875	GRAVEL	1:00	1:45	45		
75	880		1:45	2:25	40		
80	885		2:25	3:15	50		
85	890	ROCK &	3:15	3:50	35		
90	894		3:50	4:30	40		
		CONN	4:45	5:05	20	Tighten Swivel Make CONN	
94	900		5:05	6:00	55		
00	905		6:00	6:30	30		
05	910		6:30	6:50	20		
10	915		6:50	7:10	20		
15	920		7:10	7:35	25		
20	925		7:35	8:00	25		

REMARKS:

Page 8

(A-1-5)19dca
SW-1

b C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

DATE 10/15/76

COMPANY BC&M

NAME OF WELL Motorola

BIT SIZE 26"

NUMBER OF WELL A-76-5

NUMBER OF BITS USED 4

TYPE AND FEET PER BIT

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPM	WEIGHT ON BIT
20	925		8:00	9:40	1:40			
		CONN (30.30)	9:40	10:00	20			
25	930		10:00	10:30	30			
30	935		10:30	11:00	30			
35	940		11:00	11:35	35			
40	945		11:35	12:05	30			
45	950		12:05	12:25	20			
50	955		12:25	12:55	30			
55	956		12:55	1:30	35			
		CONN	1:30	6:30	300	SWIVEL REPAIR HEATERS		
56	960		6:30	7:00	30			
60	965		7:00	7:35	35			
65	970		7:35	8:10	35			
70	975		8:10	8:45	35			
75	980		8:45	9:30	45			
80	985		9:30	10:15	45			
85	987		10:15	10:50	35			
		CONN	10:50	11:50	60	WORKING ON SWIVEL		
87	990		1:30	2:10	40	10:50 TO 1:30 WORK ON SWIVEL		
90	995		2:10	3:05	55			
95	1000		3:05	4:10	65			
00	1005		4:10	5:15	65			
05	1010		5:15	6:10	55			
10	1015		6:10	7:50	40			
15	1017	CONN 29.00	7:50		5			
		DRILL						
17	1020		7:50	8:30	40			
20	1025		8:30	9:15	45			
25	1030		9:15	10:25	70			
30	1035		10:25	11:30	65			
35	1040		11:30	12:30	60			
40	1045		12:30	1:30	60			

REMARKS:

Page 9

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

(A-1-5)1
SW-1

DATE 10/16

COMPANY BC & M & G

NAME OF WELL MOTOROLA

BIT SIZE A-16-5

NUMBER OF WELL A-16-5

NUMBER OF BITS USED [illegible]

TYPE AND FEET PER BIT 3 conn

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTA RPM
		conn 30-00	1:30	2:00	30		
045	1050		2:00	2:40	40		
050	1055		2:40	3:40	600		
55	1060		3:40	4:25	45		
060	1065		4:25	5:20	55		
065	1070		5:20	6:10	50		
070	1075		6:16	7:00	50		
		conn -29-40	7:2	7:20	20		
75	1080		7:20	8:05	45		
80	1085		8:05	9:03	58		
085	1090		9:03	10:2	57		
090	1095		10:02	11:00	58		
95	11.00		11:00	12:00	60		
00	1105		12:00	1:00			
		CONN-30-55	2:30	5:30	Trip for Jet + Sw		
05	1110		5:45	7:05	75		
10	1115		7:05	8:10	65		
5	1120		8:10	9:12	62		
20	1125		9:12	10:15	65		
25	1130		10:15	11:15	60		
30	1135		11:15	12:40	85		
		CONN -30-60	12:48	12:50	10		
35	1140		12:50	1:35	45		
40	1145		1:35	2:35	60		
45	1150		2:35	3:30	55		
50	1155		3:30	4:20	50		
55	1160		4:20	5:10	50		
60	1165		5:10	5:52	42		
5	1167		5:52	6:06	14		HARD
		CONN	6:06	6:25	19		Hand
67	1170		6:25	7:45	80		Hande
70	1175		7:45	8:40	55		

REMARKS:

10

BC & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

(A-1-5) ... ACB
ISW-1

DATE 10/17/76

COMPANY BC&M

NAME OF WELL Motorola

BIT SIZE 26"

NUMBER OF WELL A-5 76-5

NUMBER OF BITS USED 4

TYPE AND FEET PER BIT

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPM	WEIGHT ON BIT
75	1180	hard Rock	8:40	9:45	65			
80	1185		9:45	11:40	115			
85	1190	Hard Rock	11:40	1:00	80			
90	1195		1:00	2:40	100			
95	1200	harder Rock	2:40	5:15	155			
00	1202		5:15	6:10	55			
		CORE	6:10	6:20	10			
02	1205	T.D.	6:20	7:25	65			

REMARKS:

(A-1-5) 19 DCA

Supply Well No. 1

MOTOROLA, INC.

MESA PLANT

Water Well 1

NE¼ SW¼ SE¼ Section 19, T. 1 N., R. 5 E.

Drilled by

BC & M Drilling Company

Lithologic Log

by

Manera and Associates, Inc.

Depth Sample Taken (ft.)	Acid Reaction HCl	Max. Size In.	% Sand and Gravel	% Clay	Angularity	Est. Water Poss.	Description
50- 60	N	1/4	95	5	A		River boulders, sand and gravel (Salt River bed)
60- 70	N	1/4	100	0	A		Same, no clay
70- 80	N	1/8	100	1	A		Same
80- 90	N	1/8	100	0	A		Same
90-100	N	1/8	100	0	A		Same
100-110	N	1/8	100	0	A		Same
110-120	N	1/8	90	10	A		Same w/ some clay
120-130	N	1/8	90	10	A		Same
130-140	N	1/8	90	10	A		Same
140-150	N	1/8	90	20	A		Same w/ approximately 20% clay
150-160	N	1/8	100	0	A		Same w/ no clay
160-170	N	1/8	100	0	A		Same
170-180	N	1/8	100	0	A		Same

(A-1-5)19 dca
SW-1

Depth Sample Taken (ft.)	Acid Reaction HCl	Max. Size In.	% Sand and Gravel	% Clay	Angularity	Est. Water Poss.	Description
180-190	N	1/8	100	0	A		Same
190-200	N	1/8	80	20	SA		Same w/ fragments less angular and some clay present;
200-210	W	1/4	50	50	SR		Approximately 50% clay and 50% granitic and metamorphic sand and gravel, more rounded than above;
210-220							Missing sample
220-230	W-M	1/4	90	10	SR		Same sand and gravel described above w/ some very light tan fine grained sandstone fragments and little clay;
230-240	M	1/8	40	60	SR	F	Predominantly clay w/ sand and gravel as above;
240-250	M	1/8	30	70	SR	P	Same
250-260	M-W	3/4	60	40	SR	F	Predominantly sand and gravel, overall coarser grained than above w/ approximately 40% clay;
260-270	W-M	3/4	80	20	SR	G	Same
270-280	W-M	3/4	60	40	SR	F	Same
280-290	W-M	1/8	20	80	SR	P	Mostly clay w/ interbedded gravel and sand;
290-300	W-M	1/8	50	50	SR	F	Same
300-310	M-W	1/8	90	10	SR	G	Predominantly sand and gravel w/ little clay;

(A-1-5)19 dca
SW-1

Depth Sample Taken (ft.)	Acid Reaction HCl	Max. Size In.	% Sand and Gravel	% Clay	Angularity	Est. Water Poss.	Description
310-320	W	1/32	90	10	SR-R	G	Tan, fine grained granitic sand w/ some metomorphic fragments and little clay;
320-330	M	1/16	20	80	SR-R	P	Predominantly clay w/ included sand and gravel described above;
330-340	M	1/4	80	20	SR	G	Relatively clean granitic and metamorphic sand and gravel w/ approximately 20% clay.
340-350	W	1/4	100	0	SR	G	Clean, metamorphic and granitic sand and gravel w/ no clay;
350-360	M	3/4	60	40	SR	F	Gray, fine grained sandstone fragments to 3/4" w/ approximately 40% clay;
370-380	M	1/8	80	20	SR	G	Fine grained sandstone and granitic and metamorphic fragments with little clay;
380-390	M	1/8	40	60	SR	F	Predominantly clay w/ included sand and gravel;
390-400	M	1/8	40	60	SR	F	Same
400-410	M	1/8	30	70	SR	P	Same
410-420	M	1/8	40	60	SR	F	Same
420-430	W	1/4	90	10	SR	G	Clean, metamorphic and granitic sand and gravel w/ little clay;
430-440	M	1/8	40	60	SR	F	Predominantly clay w/ included sand and gravel

(A-1-5)19dca
SW-1

Depth Sample TAken (ft.)	Acid Reac-tion HCl	Max. Size In.	% Sand and Gravel	% Clay	Angu-larity	Est. Water Poss.	Description
440-450	M-W	1/8	40	60	SR	F	Same
450-460	M-W	1/8	50	50	SR	F	Clay, sand and gravel;
460-470	M-W	1/8	50	50	SR	F	Same
470-480	M	1/4	90	10	SR	G	Relatively clean metamorphic and granitic sand and gravel w/ little clay;
480/490	M	1/16	40	60	SR	F	Clay w/ some interbedded sand;
490-500	M-W	1/16	90	10	SR	G	Metamorphic and granitic sand and gravel w/ little clay;
500-510	M	1/16	90	10	SR	G	Same
510-520	M	1/16	90	10	SR	G	Same
520-530	M	1/8	80	20	SR	G	Same
530-540	M	1/8	90	10	SR	G	Same
540-550	M	1/8	30	70	SR	P	Predominantly clay w/ interbedded sand and gravel;
550-560	M	1/4	40	60	SR	F	Same
560-570	W	1/4	100	0	SR	VG	Metamorphic and granitic sand and gravel w/ no clay;
570-580	W	1/4	100	0	SR	VG	Same
580-590	N	1/4	100	0	SR	VG	Same-fragment size grading from very coarse sand to gravel at 1/4 inch size;
590/600	V-W	1/4	90	10	SR	VG	Same w/ some clay;

— Lab data shows change in grain size, clast comp & character, reaction to HCl @ 570'

(A-1-5)19 dca
SW-1

Depth Sample Taken (ft.)	Acid Reaction HCl	Max. Size In.	% Sand and Gravel	% Clay	Angularity	Est. Water Poss.	Description
600-610	V-W	1/2	100	0	SR	VG	Same-overall color is medium gray;
610-620	V-W	1/4	100	0	SR	VG	Same
620-630	V-W	1/8	100	0	SR	VG	Same-overall smaller fragment size than above;
630-640	V-W	1/8	100	0	SR	VG	Same, increasing amount of metamorphics;
640-650	V-W	1/8	95	5	SR	VG	Same
650-660	V-W	1/8	95	5	SR	VG	Same
660-670	V-W	1/8	95	5	SR	VG	Same
670-680	V-W	1/8	95	5	SR	VG	Same
680-690	W	1/4	100	0	SR	VG	Same
690-700	V-W	1/8	90	10	SR	VG	Same
700-710	V-W	1/8	100	0	SR	VG	Same
710-720	V-W	1/4	100	0	SR	VG	Same
720-730	V-W	1/8	100	0	SR	VG	Same
730-740	V-W	1/8	100	0	SR	VG	Same
740-750	V-W	1/8	100	0	SR	VG	Same
750-760	V-W	1/8	100	0	SR	VG	Same
760-780							Missing sample
780-790	V-W	1/2	100	0	SR	VG	Same
790-800	V-W	1/2	100	0	SR	VG	Same
800-810	V-W	1/4	100	0	SR	VG	Same

(A-1-5)19dca
SW-1

Depth Sample Taken (ft.)	Acid Reaction HCl	Max. Size In.	% Sand and Gravel	% Clay	Angularity	Est. Water Poss.	Description
810-820	V-W	1/4	95	5	SR	VG	Same
820-830	V-W	1/4	95	5	SR	VG	Same
830-840	V-W	1/8	90	10	SR	VG	Same, some clay and overall, finer grained than above;
840-850	V-W	1/8	100	0	SR	VG	Same
850-860							Missing sample
860-870	V-W	1/8	90	10	SR	VG	Increased coarse sand
870-880	W	1/4	100	0	SR	VG	Metamorphic and granitic sand and gravel, very clean;
880-890	W	1/4	100	0	SR	VG	Same
890-900	W	1/4	90	10	SR	VG	Same, some clay;
900-910	V-W	1/4	100	0	SR	VG	Same, no clay;
910-920	W	1/4	90	10	SR	VG	Same, some clay;
920-930	W	1/4	95	5	SR	VG	Same
930-940	W	1/4	95	5	SR	VG	Same
940-950	W	1/4	100	0	SR	VG	Same
950-960	V-W	1/4	95	5	SR	VG	Same
960-970	V-W	1/8	95	5	SR	VG	Same w/ overall fragment size smaller;
970-980	V-W	1/8	100	0	SR	VG	Same, increasing proportion of granitics to metamorphics;
980-990	V-W	1/8	100	0	SR	VG	Same

(A-1-5)19 dca
SW-1

Depth Sample Taken (ft.)	Acid Reaction HCl	Max. Size In.	% Sand and Gravel	% Clay	Angularity	Est. Water Poss.	Description
990-1000	V-W	1/8	95	5	SR	VG	Same
1000-1010	N	1/8	100	0	SR	VG	Same, very clean;
1010-1020	N	1/8	100	0	SR	VG	Same
1020-1030	N	1/4	100	0	SR	VG	Same, coarser fragment size, predominantly granitics;
1030-1040	N	1/4	100	0	SR	VG	Same
1040-1050	N	1/8	100	0	SR	VG	Same
1050-1060	N	1/8	100	0	SR	VG	Same
1060-1070	N	1/8	100	0	SR	VG	Same
1070-1080	N	1/8	75	25	SR	G	Same, gravel w/ approx. 25% clay;
1080-1090	N	1/8	100	0	SR	VG	Same, no clay;
1090-1100	N	1/8	95	5	SR	VG	Same
1100-1110	N	1/4	100	0	SR	VG	Same
1110-1120	N	1/4	100	0	SR	VG	Same
1120-1130	N	1/8	100	0	SR	VG	Same
1130-1140	N	1/8	100	0	SR	VG	Same
1140-1150	N	1/8	100	0	SR	VG	Same
1150-1160	V-W	1/4	100	0	SR	VG	Same
1160-1170	V-W	1/4	50	50	SR	VG	Approximately 50% sand and gravel and 50% clay;
1170-1180	V-W	1/8	70	30	SR	VG	Same, less clay;

(A-1-5)19dca
SW-1

Depth Sample Taken (ft.)	Acid Reaction HCl	Max. Size Inc.	% Sand and Gravel	% Clay	Angularity	Est. Water Poss.	Description
1180-1190	N	1/8	100	0	SR	VG	Granitic and metamorphic sand and gravel;
1190-1200	N	1/4	100	0	SR	VG	Same
1200-1205	W	1/4	100	0	SR	VG	Same w/ slight acid reaction;
1205							Total depth of hole.

REPORT OF WELL DRILLER

Supply Well No. 2

1. OWNER Motorola Inc. (CITY OF MESA)
Name

2200 West Broadway Mesa, Arizona 85202
Address

2. Lessee or Operator
Name

Address

3. DRILLER B C & M Drilling, Inc.
Name

1128 South Lewis Mesa, Arizona 85202
Address

4. Location of well: Twp. 1N Rge. 5E Section 19 SW ¼ SW ¼ SE ¼
10-acre subdivision

5. Intention to Drill File No. A(1-5) 19 dcc Permit No. 0-87443

DESCRIPTION OF WELL

6. Total depth of hole 1203 ft. ft.

7. Type of casing mild steel

8. Diameter and length of casing 16 in. from 0 to 1203, in. from to , in. from to

9. Method of sealing at reduction points

10. Perforated from 290 to 535, from 615 to 655, from 735 to 835, from 855 to 975
From 995 to 1195

11. Size of cuts 1/8 x 3 Number of cuts per foot 30 rows

12. If screen was installed: Length 200 ft. Diam. 16 in. Type U.O.P. Johnson

13. Method of construction Drilled by reverse circulation Rotary
drilled, dug, driven, bored, jetted, etc.

14. Date started 8 (Month) 8 (Day) 81 (Year)

15. Date completed 9 (Month) 23 (Day) 81 (Year)

16. Depth of water 213 ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available from ground level approx. 1,200' above sea level

18. If flowing well, state method of flow regulation

19. REMARKS:

(Well Log to Appear on Reverse Side)

File No. A(1-5)19 dcc
Registration - 55-87443

INPUT 10-27-81

(c. date 1-21-83

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

SW-2
DATE 9/2/6

COMPANY Motorola

NAME OF WELL

BIT SIZE BCM 14 3/4 - 2 REPLICA

NUMBER OF WELL A-E

NUMBER OF BITS USED 1

TYPE AND FEET PER BIT

DEPTH FROM	DEPTH TO	FORMATION	[illegible] START	[illegible] END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPM
		30.20'					
35	40	Boulders					
40	45	"					
45	50	"					
50	55	"					
55	60	"					
60	65	"					
65	68	"		4:00	—	100	45
		Con 30.65					
68	70	Boulders	4:00	5:10	70	100	45
70	75	Boulders	5:10	7:10	2:00	100	45
75	80	Boulders	7:10	11:08	2:58	100	45
80	85	Boulders	11:08	1:20	2:15	100	50
85	90	Boulders	6:30	8:07	1:37	100	55
90	95	Boulders	8:07	9:18	1:11	100	55
95	100	Boulders	9:18	9:55	1:37	100	55
100	104	Boulders	9:55	10:30	35	100	55
		Con 30.15	10:30	11:15			
104	105	Boulders	11:15	11:25	10	110	55
105	110	Boulders	11:25	11:48	23	110	55
110	115	Boulders	11:48	12:13	25	110	55
115	120	Boulders	12:13	12:35	22	110	55
120	125	Boulders	12:35	12:55	20	110	55
125	130	Boulders	12:55	1:20	25	110	55
130	134	Boulders	1:20	1:39	19	110	55
		Con 30.25	1:41	2:08			
134	135	Boulders	2:08	2:13	5	110	55
135	140	Boulders	2:13	2:32	19	110	55
140	145	Boulders	2:32	2:49	17	110	55
145	150	Rock/Boulders	2:49	3:30	41 Lost water	110	55
150	155	Rock	3:30	4:12	42	110	55
155	160	Rocks	4:12	4:30	18	110	55
160	164	Rocks	4:30	6:45	2:15	110	55

REMARKS: 70' Air line
90' " "

RECEIVED
DEC 12 1962
DEPT. OF WATER RESOURCES

Page 6

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

SW-2
DATE 9/7/82

COMPANY Hitrole

NAME OF WELL

BIT SIZE BCEU 17½ 21

NUMBER OF WELL B-8-4

NUMBER OF BITS USED

TYPE AND FEET PER BIT

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPM	WEIGHT ON BIT
		Con. 98.45						
164	165	Rock & Clay	1:10	1:16	6	110	55	15000
165	170	Rock & Clay	1:16	1:30	14	110	60	15000
170	175	[illegible]	1:30	1:40	10	110	60	15000
175	180	clay	1:40	1:52	12	110	60	15000
180	185	clay	1:52	1:58	6	110	60	15000
185	190	Clay Rock	1:58	2:03	5	110	60	15000
190	193	Clay Rock	2:03	2:05	2	110	60	15000
		Con 30-30	2:05	2:45				
193	[illegible]	Clay	2:45	2:50	5	110	60	15000
195	[illegible]	Clay	2:50	2:54	4	110	60	15000
200	[illegible]	Clay	2:54	3:00	6	110	60	15000
205	[illegible]	Clay	3:00	3:05	5	110	60	15000
210	[illegible]	Clay	3:05	3:15	10	110	[illegible]	[illegible]
215	[illegible]	Clay	3:15	[illegible]	10	110	[illegible]	15000
220	[illegible]	clay	3:25	3:30	5	110	60	15000
		[illegible]	3:30	3:50				
230	[illegible]	[illegible]	3:50	[illegible]	10	110	[illegible]	15000
235	[illegible]	[illegible]	[illegible]	[illegible]	230	110	60	15000
330	[illegible]	[illegible]	6:30	6:42	12	110	60	15000
[illegible]	240	Sandy Clay	6:42	6:52	10	110	60	15000
240	[illegible]	Clay	6:52	7:02	10	110	60	15000
[illegible]	[illegible]	[illegible]	7:02	7:12	10	110	60	15000
	245		7:12	7:18	6	110	60	15000
		Con 30-70	7:18	7:33				
245	255	Clay Sand	7:33	7:37	4	110	60	15000
255	260	Clay Sand	7:37	7:45	8	110	60	15000
260	265	Clay	7:45	7:52	7	110	60	15000
265	270	Clay	7:52	8:00	8	110	60	15000
270	275	Clay	8:00	8:10	10	110	60	15000
275	280	Clay	8:10	8:15	5	110	60	15000
280	284	Clay	8:15	8:18	3	110	60	15000
		Con 30-75	8:18	TRIPS OUT				

REMARKS: 130' Air Lino

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DEPT. OF
WATER RESOURCES

age 5

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

SW-2
DATE 9/14/

COMPANY Motorola

NAME OF WELL

BIT SIZE B.C.& M. 17½ with Reamer

NUMBER OF WELL A-81-

NUMBER OF BITS USED

TYPE AND FEET PER BIT

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPM
287	290	Clay / Gravel / Rock	6:00	6:08	8	125	40
290	295	Light Conglomerate	6:08	7:05	57	125	55
295	300	Sand / Gravel	7:05	8:04	59	125	55
300	305	Gravel / Sand	10:08	Tak Down 9/17/81			50
305	310	Gravel Clay	10:08	12:15	2:13	125	50
310	314	Gravel Clay	12:15	12:40	35	125	50
			12:40	12:55			
		Con 28-55					
314	315	Gravel Clay	12:55	1:00	5	125	50
315	320	Clay Sand	1:00	1:07	7	125	50
320	325	Gravel Clay	1:07	1:15	8	125	50
325	330	Gravel Clay	1:15	1:23	8	125	50
330	335	Sand Clay	1:23	1:32	9	125	55
335	340	Sand Clay	1:32	1:40	8	125	55
340	343	Sand Clay	1:40	1:42	2	125	55
		Con 30-60	1:42	1:52			
343	345	Sand Clay	1:52	2:00	8	125	55
345	350	Sand Clay	2:00	2:14	14	125	55
350	355	Sand	2:14	2:25	11	125	55
355	360	Sand Clay	2:25	2:32	7	125	55
360	365	Sand Clay	2:32	2:35	3	125	55
365	370	Sand Clay	2:35	2:37	2	125	55
370	374	Sand Clay	2:37	2:40	3	125	55
		Con 30-20	2:40	2:55			
374	375	Gravel Clay	2:55	2:58	3	125	55
375	380	Gravel Clay	2:58	3:05	7	125	55
380	385	Gravel Clay	3:05	3:13	8	125	55
385	390	Clay	3:13	3:20	8	125	55
390	395	Clay	3:20	3:30	10	125	55
395	400	Clay	3:30	3:36	6	125	55
400	404	Clay	3:35	3:42	7	125	55
		Con 28-20	3:42	3:55			

REMARKS: ~~Air Line 120'~~ 160' Air Line

30.15

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DEPT. OF WATER RESOURCES

age 7

b C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

SW-2
DATE 9/18/81

COMPANY Motorola
NAME OF WELL Mesa
BIT SIZE BC&M 26-3

NUMBER OF WELL A-21-4
NUMBER OF BITS USED
TYPE AND FEET PER BIT 301

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPM	WEIGHT ON BIT
404	405	clay	3:55	3:57	2	125	55	15000
405	410	clay	3:57	4:07	10	125	55	15000
410	416	Sand Clay	4:07	4:16	9	125	55	15000
415	420	clay Gravel	4:16	4:26	10	125	55	15000
420	425	clay	4:26	4:36	10	125	55	15000
425	430	clay	4:35	4:43	8	125	55	15000
430	433	clay	4:43	4:50	7	125	55	15000
		con 30-35	4:50	5:02				
433	435	clay	5:02	5:06	4	125	55	15000
435	440	Gravel	5:06	5:13	7	125	55	15000
440	445	clay	5:13	5:23	10	125	55	15000
445	450	clay	5:23	5:32	9	125	55	15000
450	455	clay	5:32	5:40	8	125	55	
455	460	clay	5:40	5:47	7	125	55	
460	463		5:47	5:50	3	125	55	15000
		con 30-20	5:50	6:10	Change	Equip		
463	465	clay	6:10	6:28	18	125	55	
465	470	clay	6:12	6:32	14	125	55	
470	475	clay Gravel	6:32	6:36	4	125	55	
475	480	clay	6:36	6:44	8	125	55	
480	485	clay	6:44	6:50	6	125	55	
485	490	clay	6:50	7:00	10	125	55	
490	494	clay	7:00	7:02	2	125	55	15000
		con 30-40	7:02	7:13				
494	495	clay	7:13	7:14	1	125	55	15000
495	500	clay Gravel	7:14	7:22	8	125	55	15000
500	505	clay Gravel	7:22	7:37	5	125	55	15000
505	510	Gravel	7:37	7:35	8	125	55	15000
510	515	Gravel	7:35	7:42	7	125	55	15000
515	520	clay	7:42	7:55	13	125	55	15000
520	524	Gravel clay	7:55	8:04	9	125	55	15000
		con 30-35	8:04	8:15				

EMARKS:

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Page

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

SW2 DATE 9/18/

COMPANY Motorola

NAME OF WELL Mesa Ariz

BIT SIZE 26" 3 Cone

NUMBER OF WELL M-

NUMBER OF BITS USED

TYPE AND FEET PER BIT

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPM
524	525	Gravel clay	8:15	8:18	3	125	55
525	530	Gravel	8:18	8:28	10	125	55
530	535	Gravel	8:28	8:38	10	125	55
535	540	Gravel	8:38	8:43	5	125	55
540	545	Gravel	8:43	8:55	12	125	55
545	550	Gravel	8:55	9:06	11	125	55
550	554		9:06	9:15	9	125	55
		Con 30-35	9:15	9:28			
554	555	Gravel	9:28	9:58	30	125	55
555	560	Gravel	9:58	10:08	10	125	55
560	565	GRAVEL	10:08	10:15	7	125	55
565	570	Gravel	10:15	10:30	15	125	55
570	575	Gravel	10:30	10:36	6	125	55
575	580	Gravel	10:36	10:46	6	125	55
580	585	Gravel	10:46	10:50	4	125	55
		Con 30-50	10:50	11:00			
585	590	Gravel	11:00	11:17	17	125	55
590	595	Gravel	11:17	11:25	8	125	55
595	600	Gravel	11:25	11:37	12	125	55
600	605	Gravel	11:37	11:45	8	125	55
605	610	Gravel	11:45	11:52	7	125	55
610	615	Gravel	11:52	12:00	8	125	55
		Con 30-30	12:00				
615	620	GRAVEL/Sand	12:14	12:25	11	125	55
620	625	GRAVEL/SAND/CLAY	12:25	12:34	9	125	55
625	630	" " "	12:34	12:47	13	125	55
630	635	" " "	12:47	12:58	11	125	55
635	640	" " "	12:58	1:11	13	125	55
640	645	" " "	1:11	1:25	14	125	55
		CON. 2950	1:25	REPAIR EQUIPMENT			
645	650	Gravel/Sand	2:25	2:33	8	125	55
650	655	" "	2:33	2:50	17	125	55

REMARKS:

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WATER RESOURCES

age 6

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

SW-2
DATE 9/18/81

COMPANY Motorola
NAME OF WELL MESA ANX
BIT SIZE 9 6" - 3 CONE

NUMBER OF WELL 1-81-4
NUMBER OF BITS USED
TYPE AND FEET PER BIT

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPM	WEIGHT ON BIT
655	660	GRAVEL	2:50	3:07	17	125	55	20000
660	665	GRAVEL	3:07	3:17	10	125	55	20000
665	670	GRAVEL/CLAY 5%	3:17	3:27	10	125	55	20000
670	675	GRAVEL/CLAY 5%	3:27	3:43	16	125	55	20000
		CON 29.35	3:45	3:57				
675	680	GRAVEL	3:57	4:07	10	125	55	20000
680	685	GRAVEL	4:07	4:18	11	125	55	20000
685	690	GRAVEL/CLAY 5%	4:18	4:29	11	125	55	20000
690	695	GRAVEL/CLAY 5%	4:29	4:40	11	125	55	20000
695	700	GRAVEL/CLAY 5%	4:40	4:50	10	125	55	20000
700	705	GRAVEL/CLAY 5%	4:50	5:02	12	125	55	20000
		CON. 30.15	5:04	5:17				
705	710	GRAVEL/CLAY 5%	5:17	5:27	10	125	55	25000
710	715	GRAVEL/CLAY 5%	5:27	5:37	10	125	55	25000
715	720	GRAVEL/CLAY 5%	5:37	5:45	8	125	55	25000
720	725	GRAVEL/CLAY 5%	5:45	5:51	6	125	55	25000
725	730	GRAVEL/CLAY 5%	5:51	6:04	13	125	55	25000
730	735	GRAVEL/CLAY 5%	6:04	6:15	11	125	55	25000
		CON. 28.35	6:17	6:30				
735	740	GRAVEL/CLAY 15%	6:30	6:39	9	125	55	25000
740	745	GRAVEL	6:39	6:55	16	125	55	25000
745	750	GRAVEL/CLAY 40%	6:55	7:11	16	125	55	25000
750	755	GRAVEL/CLAY 20%	7:11	7:29	18	125	55	25000
755	760	GRAVEL	7:29	7:43	14	125	55	25000
760	763		7:43	7:55	12	125	55	25000
		CON. 29.80	7:56	8:12				
763	765	GRAVEL/CLAY 50/50	8:12	8:14	2	125	55	25000
765	770	GRAVEL/ROCK/CLAY	8:14	8:28	14	125	55	25000
770	775	GRAVEL/ROCK/CLAY	8:28	8:43	15	125	55	25000
775	780	GRAVEL/ROCK/CLAY	8:43	9:00	17	125	55	25000
780	785	GRAVEL/CLAY	9:00	9:15	15	125	55	25000
785	790	GRAVEL/ROCK/CLAY	9:15	9:30	15	125	55	25000

EMARKS:

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Page 1

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

SW-2
DATE 9/1

COMPANY MOTOROLA
NAME OF WELL MESA DRIL
BIT SIZE 26" - 3 CONE

NUMBER OF WELL A-8
NUMBER OF BITS USED
TYPE AND FEET PER BIT

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPM
790	793	Gravel Rock Clay	9:30	9:40	10	125	55
		Con. 30-35'	9:41	12:50			
793	795	Gravel Rock	12:50	1:00	10	125	55
795	800	GRAVEL	1:00	1:20	20	125	55
800	805	GRAVEL	1:20	1:35	15	125	55
805	810	GRAVEL & Rock	1:35	2:15	40	125	55
810	815	GRAVEL & Rock	2:15	2:32	-	25	55
815	820	GRAVEL & Rock	2:32	2:38	5	125	55
820	823	GRAVEL & Rock	2:38	2:40	2	125	55
		con. 30-40	2:41				
823	825	Gravel Rock	3:07	3:15	8	125	55
825	830	Gravel Rock	3:15	3:50	35	125	55
830	835	Gravel Rock	3:50	4:25	35	125	55
835	845	Gravel	4:25	4:38	13	125	55
845	857		4:38	4:50	12	125	55
857	867		4:50	5:00	10	125	55
867	879		5:00	5:12	12	125	55
		con 29-55'	5:12	5:22			
879	884		5:22	5:27	5	125	55
884	901		5:27	5:44	17	125	55
901	941		5:45	6:25	40	125	55
941	979		6:25	7:03	38	125	50
979	1011		7:03	7:35	32	125	50
1011	1025	Rock	7:35	7:45	1:10	125	50
1025	1063	Rock	7:45	9:12	27	125	50
		Con 29-55'	9:12	9:22	Check oil		
1063	885	Rock	0:22	9:52	30	125	50
885	890	Rock / Clay	9:52 am	7:32 pm	stopped for Bit		
890	895	Rock-Gravel Clay	7:32	8:05	:33	125	60
895	900	Rock Gravel	8:05	9:06	1:01	125	50
900	905	Rock / Gravel	9:06	11:20	2:14	125	50
905	910	Rock Gravel	11:20	12:45	1:25	125	50

REMARKS: 160' Air Line

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WATER

age ____

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

SW-2
DATE 9/19/81

COMPANY [illegible]
NAME OF WELL Vera Fill
BIT SIZE 26" 3 [illegible]

NUMBER OF WELL H-8-4
NUMBER OF BITS USED 6
TYPE AND FEET PER BIT [illegible]

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPM	WEIGHT ON BIT
910	913	very Hard Rock / Con 30:60 (Blow in sand gravel & cement sand gravel)	12:45	1:12	27	125	50	[illegible]
			1:12	1:30				
913	915	Rock	1:30	2:15	45	125	50	25000
915	920	Rock	2:15	3:35	1:20	125	50	25000
920	925	Rock	3:35	5:10	1:35	125	50	25000
925	930	Rock	5:10	7:00	1:50	125	50	25000
930	935	Rock	7:00	8:27	1:27	125	50	25000
935	940	Rock	8:27	9:25	58	125	50	25000
940	943	Rock	9:25	10:25	60	125	50	25000
		Con 30-35	10:25	11:54				
943	945	Cement Sand/Gravel	11:54	12:26	32	125	45	30000
945	950	Cement Sand/Gravel	12:26	1:54	1:28	125	45	30000
950	955	Cement Sand/Gravel	1:54	3:50	1:56	125	45	30000
955	960	Cement Sand Gravel	3:50	12:25	[illegible]	125	55	30000
960	965	Cement Sand Gravel	12:25	12:40	15	125	55	30000
965	970	Cement Sand Gravel	12:40	12:58	18	125	55	30000
970	974	Cement Sand Gravel	12:58	1:12	14	125	55	30000
		Con 30-45	1:12	1:26				
974	975	Rock	1:26	1:30	4	125	55	30000
975	980	Rock Gravel	1:30	1:52	22	125	55	30000
980	985	Rock	1:52	2:30	38	125	55	30000
985	990	Cement Sand Gravel	2:30	2:52	22	125	55	30000
990	995	Cement Sand Gravel	2:52	3:18	26	125	55	30000
995	1000	Cement Sand Gravel	3:18	4:25	67	125	55	30000
1000	1004	Cement Sand Gravel	4:25	5:00	35	125	55	30000
		Con 29-55	5:00	5:16				
1004	1005	Cement Sand Gravel	5:16	5:30	14	125	55	30000
1005	1010	Cement Sand Gravel	5:30	5:55	25	125	55	30000
1010	1015	Cement Sand Gravel	5:55	6:50	55	125	55	30000
1015	1020	Cement Sand Gravel	6:50	7:08	18	125	55	30000
1020	1025	Cement Sand Gravel	7:08	7:26	18	125	55	30000
1025	1030	Clay Fine Sand Clay	7:26	8:00	34	125	55	30000

Fall ½

REMARKS: Compressor Time Fueled up — 1:10 -

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Page 1

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

SW-2

DATE 9/2

COMPANY Motorola

NAME OF WELL Mesa Arizona

BIT SIZE 26" 3 Cone

NUMBER OF WELL A-81-

NUMBER OF BITS USED 1

TYPE AND FEET PER BIT 966

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPI
1030	1034	Red. Fine course with sand	8:00	8:18	18	125	55
		Con 30-55	8:18	8:27	Check	oil and	
1034	1035	Red fine Course With	8:27	8:35	8	125	55
1035	1040	" " " "	8:35	9:00	25	125	55
1040	1045	Red fine Sand	9:00	9:25	25	125	55
1045	1050	Red fine Sand	9:25	9:45	20	125	55
1050	1055	Red fine Sand	9:45	10:05	20	125	55
1055	1060	Red fine Sand	10:05	10:30	25	125	55
1060	1064	Red fine Sand	10:30	10:50	20	125	55
		Con 30 75	10:50	11:08			
1064	1065	Hard Rock	11:08	11:10	2	125	55
1065	1070	Red fine Sand Hard	11:10	12:15	1:05	125	50
1070	1075	Grey Sand/Gravel	12:15	1:28	1:13	125	50
1075	1080	Gray Hard Gravel	1:28	2:34	1:06	125	50
1080	1085	Gray Hard Gravel	2:34	4:30	1:56	125	50
1085	1090	Gray Hard Gravel	4:30	7:00	2:30	125	50
1090	1095	Gray Hard Gravel	7:00	9:00	2:00	125	50
		Color 9:05					
1095	1100	Gray Hard Gravel	10:20	11:50	1:30	125	50

REMARKS: Compressor fuel 11:45 A.M.
Formation change.
1072 Grey Sand & Gravel

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DEPT. OF
WATER RESOURCE

Page 1

B C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

SW-2 DATE 9/21/81

COMPANY Motorola
NAME OF WELL MESA AZ.
BIT SIZE 26' 3 Core

NUMBER OF WELL A-81-4
NUMBER OF BITS USED 7
TYPE AND FEET PER BIT 456

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPM	WEIGHT ON BIT
		Con. 30.75						
1064	1065	Hard Rock						
1065	1070	Red FINE - Sand Hard						
1070	1075	Grey Sand/Gravel	12:15	1:28	1:13	125	50	30 00
1075	1080	Grey Sand/Gravel	1:28	2:34	1:06	125	50	30 00
1080	1085	Grey Sand/Gravel	2:34	4:30	1:56	125	50	30 00
1085	1090	Grey Sand/Gravel	4:30	7:00	2:30	125	50	30 00
1090	1095	Grey Sand Gravel	7:00	9:00	2:00	125	50	30000
		Con. 19.25		drilling bit change				
1095	1100	Grey Sand Gravel	10:20	11:50	1:30	125	50	30 00
1100	1105	Grey	6:30	7:06	36	125	50	30 20
1105	1110	Grey Sand Gravel	7:06	7:30	24	125	50	30 00
1110	1115	Grey Sand	7:30	7:55	25	125	50	30 00
1115	1120	Grey Sand Gravel	7:55	8:15	20	125	50	30 00
1120	1124	Grey Sand Gravel	8:15	8:25	10	125	50	30 00
		Con. 8.50	8:25	8:45	Trip	Bit change		
1124	1125	Grey Sand Gravel	8:45	9:20	35	125	50	30 00
1125	1130	Grey Sand Gravel	9:20	9:45	25	125	50	30 00
1130	1135	Grey Sand Gravel	9:45	10:16	31	125	50	30 00
1135	1141	Red Sand Rock	10:16	11:00	44	125	50	30 00
1141	1145	Red Sand Rock	11:00	11:38	38	125	50	30 00
1145	1150	Red Sand Rock	11:38	12:14	36	125	50	30 00
1150	1154	Red Sand Rock	12:14	12:35	21	125	50	30 00
		Con. 30.15 + Sub 2.10 Red Box-Full Pin + Sub 1.10 Full Box-Reg Pin						
1154	1155	Red Sand & Clay	2:05	2:19	14	125	50	30 00
1155	1160	Red Sand & Clay	2:19	3:03	44	125	50	30 00
1160	1165	Grey Sand & Gravel	3:03	3:44	41	125	50	30 00
1165	1170	Grey Sand Rock Hard	3:44	4:30	46	125	50	30 00
1170	1175	Red Sand Gravel	4:30	5:15	45	125	50	30 00
1175	1180	Red Sand Gravel	5:15	5:58	43	125	50	30 00
1180	1185	Red Sand Gravel	5:58	6:39	41	125	50	30 00
2506	1187	Red Sand Gravel	6:15	6:00	10	125	50	30 00
		Con 30-20	6:00	6:30				

REMARKS: Compressor fuel - 11:40
FORMATION CHANGE
1155' Red Sand + Red Clay Formation. Hard
1165 FORMATION CHANGE BACK TO Grey Sand & Gravel
1180 Color of Formation

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Page 10

C & M DRILLING, INC.

1128 SOUTH LEWIS
MESA, ARIZONA 85202

SW-2
DATE 9/22

COMPANY Motorola
NAME OF WELL MESA AIR
BIT SIZE 26" 3 cone

NUMBER OF WELL A-8
NUMBER OF BITS USED 3
TYPE AND FEET PER BIT

DEPTH FROM	DEPTH TO	FORMATION	TIME START	TIME END	TOTAL MIN.	AIR-PSI COMPRES.	ROTARY RPM
	1190		6:30	6:58	21	125	55
	1195	Fed [illegible]	6:58	8:10	1:12	105	55
1195	1200	Red Conglomerate Hard	8:10	10:30	3:20	125	55
	1203	T.D.	10:30	10:55			
	1210		10:55				
	1215						
1215	1217						

REMARKS:

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DEPT. OF
WATER RESOURCES

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGMENT SUPPORT SECTION

500 North Third Street - Phoenix, Arizona 85004-3903
Phone (602) 417-2470 Fax (602) 417-2422

WELL DRILLER REPORT

This report should be prepared by the Driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner's Name: City of Mesa No. 26
   Address: 20 E. Main Street - Suite 500 (Street) Mesa (City) AZ. (State) 85211-1466 (Zip) (602) 644-225 (Telephone Number)
2. Drilling Firm: Layne-Western, a Div. of Layne Christensen
   Address: 12030 E. Riggs Road (Street) Chandler (City) AZ. (State) 85249 (Zip) (602) 895-9404 (Telephone Number)
3. Location: NE ¼ (10 Acre) SE ¼ (40 Acre) SW ¼ (160 Acre) of Section 20 Township 1 North Range 5 East
4. Well Registration No. 55- 553992 (Required)
5. Permit No. S-553992 (If issued)

DESCRIPTION OF WELL

6. Total Depth of Hole 1202 ft.
7. Type of Casing Low CARBON Steel (Roscoe Moss - Copper bearing)
8. Diameter and length of casing 20" ID inches from +1 to 700 ft 20"ID inches from 1170 to 1190
9. Method of sealing at reduction points N/A
10. Perforated from 700 to 1170 from ____ to ____ from ____ to ____
11. Size of cuts .100 Number of cuts per foot ____
12. If screen was installed: Length 470 feet. Diameter 20" I.D inches. Type Louvered
13. Method of construction Reverse Rotary
    (drilled, dug, driven, bored, jetted, etc.)
14. Date started November (Month) 7 (Day) 1996 (Year)
15. Date completed December (Month) 12 (Day) 1996 (Year)
16. Depth to water 160 ft. (If flowing well, so state).
17. Describe point from which depth measurements were made, and give sea-level elevation if available
    Land Surface
18. If flowing well, state method of flow regulation:
19. Remarks:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. ____
File No. ____
Received ____ **By** ____
Entered ____ **By** ____

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at w ch encountered, and depth to which it rose in well.

From (feet)	To (feet)	
0	180	Sand, Gravel, Boulders
180	190	Clay
190	640	Sand, Gravel, Clay
640	650	Clay
650	1310	Sand, Grave

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller's Name (Qualifying Party): LAYNE-WESTERN

12030 E. Riggs Road
Street

Chandler, AZ. 85749
City State Zip

(602) 895-9404
Phone Number

1/9/97
Date

DWR 55-55 (Rev 2/96)

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DILLER

EXCERPT OF 1945 GROUNDWATER LAW

Report of Well Driller must be prepared by the driller in all detail and filed with the State Land Commissioner as required by Section 7, Chapter 12, Senate Bill No. 3, First Special Session, 1945. This report should be in the mail within 30 days following completion of the well. Section 8 of the law provides: "Any person (includes any individual, firm, public or private corporation, or governmental agency) who shall fail or refuse to make any of the reports, give the notices required, or fail to cooperate with the State Land Commissioner or his representative, under the provisions of this Act, shall be guilty of a misdemeanor and shall be fined a sum not exceeding One Hundred Dollars."

1. OWNER University of Arizona,
Name
Agricultural Expermental Station, Box 631, Mesa, Arizona
Address

2. Lessee or Operator
Name
Address

3. DRILLER [illegible]
Name
[illegible]
Address

4. Location of well: Twp. 1 N Rge. 5 E Section 20 SW ¼ NW ¼ SE ¼
10-acre subdivision

5. Intention to Drill File No. (A-1-5)20 dbc Permit No.

DESCRIPTION OF WELL

6. Total depth of hole 350 ft.

7. Type of casing [illegible]

8. Diameter and length of casing in. from to , in. from to , in. from to

9. Method of sealing at reduction points [illegible]

10. Perforated from [illegible] to [illegible], from to , from to , from to

11. Size of cuts [illegible] Number of cuts per foot 4

12. If screen was installed: Length ft. Diam. in. Type

13. Method of construction [illegible]
drilled, dug, driven, bored, jetted, etc.

14. Date started [illegible] 1954
Month Day Year

15. Date completed [illegible]
Month Day Year

16. Depth of water 145 ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available
Top of casing

18. If flowing well, state method of flow regulation

19. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 12-14-54 by ZGG
Filed 12-14-54 by ZGG
File No. (A-1-5)20 dbc

(Well Log to Appear on Reverse Side)

WD FORM G-301
REV. 4-27-53
1
2M 5-54

LOG OF WELL

(A-1-5) 20

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If wate
sian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	71	Top soil
71	205	Brown hard clay
205	220	Clay and gravel
220	250	Water gravel
250	270	Sandy clay

RECEIVED
DEC 14 1954
STATE LAND
DEPT.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the stat
herein contained are true to the best of my knowledge and belief.

Driller Geo. L. Peterson
Name

23. So. Morris St. Mesa
Address Phone Wo

Date Oct 10, 1954.

FORM W-2 10-45 JAHN-TYLER

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REGISTRATION OF WELL

Registration of well existing as of Oct. 3, 1945 is hereby made and filed with the State Land Commissioner as required by Section 5, Chapter 12, Senate Bill No. 3, Seventeenth Legislature, First Special Session 1945.

26.5E-3N

1. Owner SALT RIVER VALLEY WATER USERS' ASSOCIATION
Name

Phoenix, Arizona
Address

2. Lessee or Operator
Name

Address

3. Driller Rosco Moss Company
Name

Phoenix, Arizona
Address

4. Location of well: Twp. 1N Rge. 5E Section 21 ¼ ¼ ¼
26½E - 3N
10-acre subdivision

DESCRIPTION OF WELL

5. Total depth of hole ~~20~~ 405' ft.

6. Type of casing Stovepipe

7. Diameter and length of casing 20 in. from to , in. from to , in. from to

8. Method of sealing at reduction points

9. Perforated from to , from to , from to , from to

10. Size of cuts 3/4 x 4" Number cuts per foot 100 to 308 - 10" - 12"
308 " 371 8" 12"
371 " 280 - 10" - 12

11. If screen was installed: Length ft. Diam in. Type

12. Method of construction drilled
drilled, dug, driven, bored, jetted, etc.

13. Date completed Month Year Deepened Month Year

14. Depth to water when drilled 74 ft.
If flowing well, so state.

15. Present depth to water 77.0 ft. Date of measurement December 26, 1945
If flowing well, so state.

16. Describe point from which depth measurements were made, and give sea-level elevation if available pumphouse floor - 1,239.6

17. If flowing well, state method of flow regulation

DISCHARGE DATA

18. Well discharge 4176 g.p.m.
gal. per min. or cu. ft. per sec. or miner's inches.

19. Method of discharge measurement weir
weir, orifice, current meter, etc.

20. Drawdown 113.12 ft.

21. Annual discharge in acre-feet, or number of hours pumped: 1944 4,638 a.f. or hrs. 1945 5,421 a.f. or hrs.

22. Purpose of use irrigation

23. Place of use: (See 24) Twp. Rge. Section Legal subdivision Acres
Twp. Rge. Section Legal subdivision Acres

24. If well is part of irrigation system of Irrigation District, Association or Company, omit 23 and give name of project.

SALT RIVER VALLEY WATER USERS' ASSOCIATION
Name of Project

EQUIPMENT DATA

25. Kind of pump turbine
turbine, centrifugal, etc.

26. Kind of power electric
electric, natural gas, etc.

27. Horsepower rating of motor 150

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 2-1-46 by lj
Filed 2-5-46 by lj
File No (A-1-5)21 abb
Cross-referenced (Name) by
Cross-referenced (Basin) by
Cross-referenced by

LOG OF WELL (A-1-5/21 aad

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate dep encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	6	Soil
6	17	Caliche
17	160	Gravel and boulders
160	200	Clay and cemented streaks
200	290	Cemented sand and clay
290	306	Sand and gravel 3"
371	374	Sand and small gravel
374	405	Clay

I hereby certify that I have read the foregoing statements, and that each and all of the items therein contained are true to the best of my k and belief.

SALT RIVER VALLEY WATER USERS' ASSOC[illegible]T

By H. J. Lawson

H. J. LAWSON ~~Owner Operator or Driller~~

General Superintendent and Chief Engine

Phoenix, Arizona

Address

Date February 1, 1946

LAND DEPARTMENT
WATER DIVISION
STATE OF ARIZONA

REPORT OF WELL DRILLER

This report should be prepared by the driller in all detail and filed with the State Land Commissioner following completion of the well.

1. OWNER City of Mesa Well No. 16
Name
Box 1280, Mesa, Az 85201
Address

2. Lessee or Operator
Name
Address

3. DRILLER
Name
Address

4. Location of well: Twp. 1 North Rge. 5 East Section 21 SW ¼ SW ¼ SE ¼
10-acre subdivision

5. Intention to Drill File No. A(1-5)21 dcc Permit No.

DESCRIPTION OF WELL

6. Total depth of hole 1,600 ft.

7. Type of casing Plate pipe

8. Diameter and length of casing 20 in. from 0 to 500', 16 in. from 500' to 1000', in. from to

9. Method of sealing at reduction points

10. Perforated from 500' to 1000', from to , from to , from to

11. Size of cuts 3/16" x 3" (milled) Number of cuts per foot 24

12. If screen was installed: Length ft. Diam. in. Type

13. Method of construction cable tool
drilled, dug, driven, bored, jetted, etc.

14. Date started 12 (Month) 26 (Day) 69 (Year)

15. Date completed 4 (Month) 20 (Day) 70 (Year)

16. Depth of water static 269 ft.
If flowing well, so state.

17. Describe point from which depth measurements were made, and give sea-level elevation if available top of casing, one foot above existing grade.

18. If flowing well, state method of flow regulation

19. REMARKS:

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 1-20-71 by Laura

Filed 1-21-71 by Laura

File No. A(1-5)21 dcc

(Well Log to Appear on Reverse Side)

WD FORM G-201
REV. 4-27-53

LOG OF WELL (A-1-5) 21 dc

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is sian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL

May 12, 1970

City of Mesa
Contract Well 16

Log of Well

Started Dec. 26, 1969

0	- 2	Top soil
2	- 16	Calochie
16	- 73	Gravel and boulders
73	- 85	Gravel & trace of clay
85	- 105	Gravel & big boulders
105	- 111	Clay, sand & gravel
111	- 165	Cemented gravel & boulders
165	- 180	Sand & gravel Water T -154
180	- 187	Brown clay
187	- 222	Cemented gravel & boulders
222	- 310	Clay & trace of gravel
310	- 323	Sandy clay
323	- 341	Sticky clay Water T - 250
341	- 354	Sand & gravel
354	- 357	Cemented gravel
357	- 389	Clay, sand & gravel
389	- 480	Sticky clay & layers sand & gravel
480	- 496	Sandy clay
496	- 520	Sticky clay
520	- 595	Sandy clay, pea gravel thin layers sticky clay
595	- 613	Sticky clay
613	- 630	Sandy clay, trace pea gravel
630	- 657	Sticky clay with layers gravel Water T 276
657	- 695	Sandy clay
695	- 780	Sticky clay trace of pea gravel
780	- 830	Sand, clay & gravel
830	- 836	Sticky clay
836	- 839	Sand, trace of gravel
839	- 857	Sticky clay
857	- 976	Sand & gravel some clay & hard shells
976	- 1013	Sticky clay with sand & trace of pea gravel

Perforated 12 row 3/16 x 3 mill saw
Cement plug bottom of 16" casing
211' 24 O.D. casing
0 - 500' 20 O.D. casing
500' - 1010' 16 I.D. casing

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statemen herein contained are true to the best of my knowledge and belief.

Driller Burt E Perry
Name

5338 E Apache Trail Mesa
Address

Date 5-12-70

Ground Water Division
State of Arizona

New well

REPORT OF WELL DRILLED IN CRITICAL AREA

Report of Well Drilled in Critical Area is required to be made and filed with the State Land Commissioner upon completion of the construction of such well, pursuant to Section 10, Chapter 5, House Bill No. 2, Eighteenth Legislature, Sixth Special Session, 1948.

24.2E-2W ~~24½E-6N~~

1. Owner SALT RIVER VALLEY WATER USERS' ASSN. (Name) By: J. F. Griswold, Secretary — Phoenix, Arizona (Address)
2. Lessee or Operator _____ (Name) _____ (Address)
3. Driller Roscoe Moss (Name) — Los Angeles, California (Address)
4. Location of Well: Twp. 1N Rge. 5E Sec. 30 Legal Subdivision NE¼ NW¼ N¼ (10 acre subdivision)

   It is _____ (if less than ¼ mile) yards _____ (direction) from the nearest irrigation well.
5. Purpose of use IRRIGATION
6. Place of use: Twp. _____ Rge. _____ Section(s) _____, _____ (Legal Subdivision) Acres _____
7. If well is part of Irrigation District, Association, or Company, omit 6 and give name of project: SALT RIVER VALLEY WATER USERS ASSN.

DESCRIPTION OF WELL

8. Total depth of hole 904 ft. 9. Type of Casing Hard red steel
10. Diameter and length of casing: 20 in. from 0 ft. to 684 ft; 16 in. from 673 ft. to 904 ft; _____ in. from _____ ft. to _____ ft; _____ in. from _____ ft. to _____ ft.
11. Method of sealing at reduction points _____
12. Perforated from 300 ft. to 670 ft; from 680 ft. to 900 ft; from _____ ft. to _____ ft.
13. Size of cuts 1/2 x 3-1/2 Number of cuts per foot 10 per 12" and 8 per 12"
14. If screen was installed: Length _____ ft. Diameter _____ in. Type _____
15. Method of drilling Calif Type Cable Tool (drilled, dug, driven, bored, etc.)
16. Date completed January 23, 1953 (Month, Year) 17. Depth to water 80 ft. (if flowing well, so state)
18. Describe points from which depth measurements were made Ground Surface. Sea-level elevation _____ (if available)
19. Method of flow regulation if flowing well _____

REPORT OF PUMP INSTALLATION AND TEST

20. Tested well capacity 2900 (gallons per minute) Method of measurement Pitot tube (weir, orifice, meter, etc.)
21. Depth immediately prior to capacity test, from land surface to static water level 142.4 ft.
22. Non-flowing well: Drawdown 38.1 ft. measured after 24 (at least 4) hours of continuous operation, and while pump is still operating.
23. Flowing well: Shut-in pressure _____ ft. above the land surface, or _____ pounds per square inch at the land surface.
24. Kind of Pump Deepwell turbine (turbine, centrifugal, etc.)
25. Kind of Power electric motor (electric, natural gas, etc.)
26. Horsepower Rating of Motor 200
27. Permittee S.R.V.W.U.A. By J. A. Hahn (Signature) Pump Div. Engr.

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Received 5-1-53 by KRC
Filed 5-1-53 by KRC
File No. (A-1-5) 30 bba
Cross-referenced (Name) _____ by _____
Cross-referenced (Basin) _____ by _____
Cross-referenced _____ by _____

30CCA

LOG OF WELL (A-1- 5)30b

Indicate depth at which water was first encountered, and the depth and thickness of water-bearing beds. If water is [illegible]t cate depth at which encountered, and depth to which it rose in well.

FROM (feet)	TO (feet)	DESCRIPTION OF FORMATION MATERIAL
0	5	Top soil
3	10	Cemented caliche
10	98	Sand, gravel and boulders
98	122	Loose sand and gravel
122	128	Very sandy clay and embedded gravel
128	153	Cemented sand and gravel
153	175	Streaks brown clay and gravel
175	198	Brown clay and embedded gravel
198	235	Streaks hard brown clay and cemented gravel
235	270	Brown clay and embedded gravel
270	325	Cemented sand, and gravel
325	335	Cemented sand, and gravel
335	390	Streaks brown clay and cemented gravel
390	470	Sticky brown clay and stks sandstone
470	575	Cemented sand and gravel
575	645	Hard sandy clay embedded gravel
645	696	Cemented sand and gravel to 10"
696	732	Cemented sand, gravel and boulders 3'
732	758	Streaks hard conglomerate and cemented gravel
758	810	Streaks brown clay and cemented gravel
810	835	Cemented gravel
835	860	Hard red clay and embedded gravel
860	904	Brown clay and embedded gravel

RECEIVED
MAY 1
STATE L
DEPT.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements h[illegible] tained are true to the best of my knowledge and belief.

Driller Roscoe Moss Company
Name

4360 Worth Street, Los Angeles,
Address

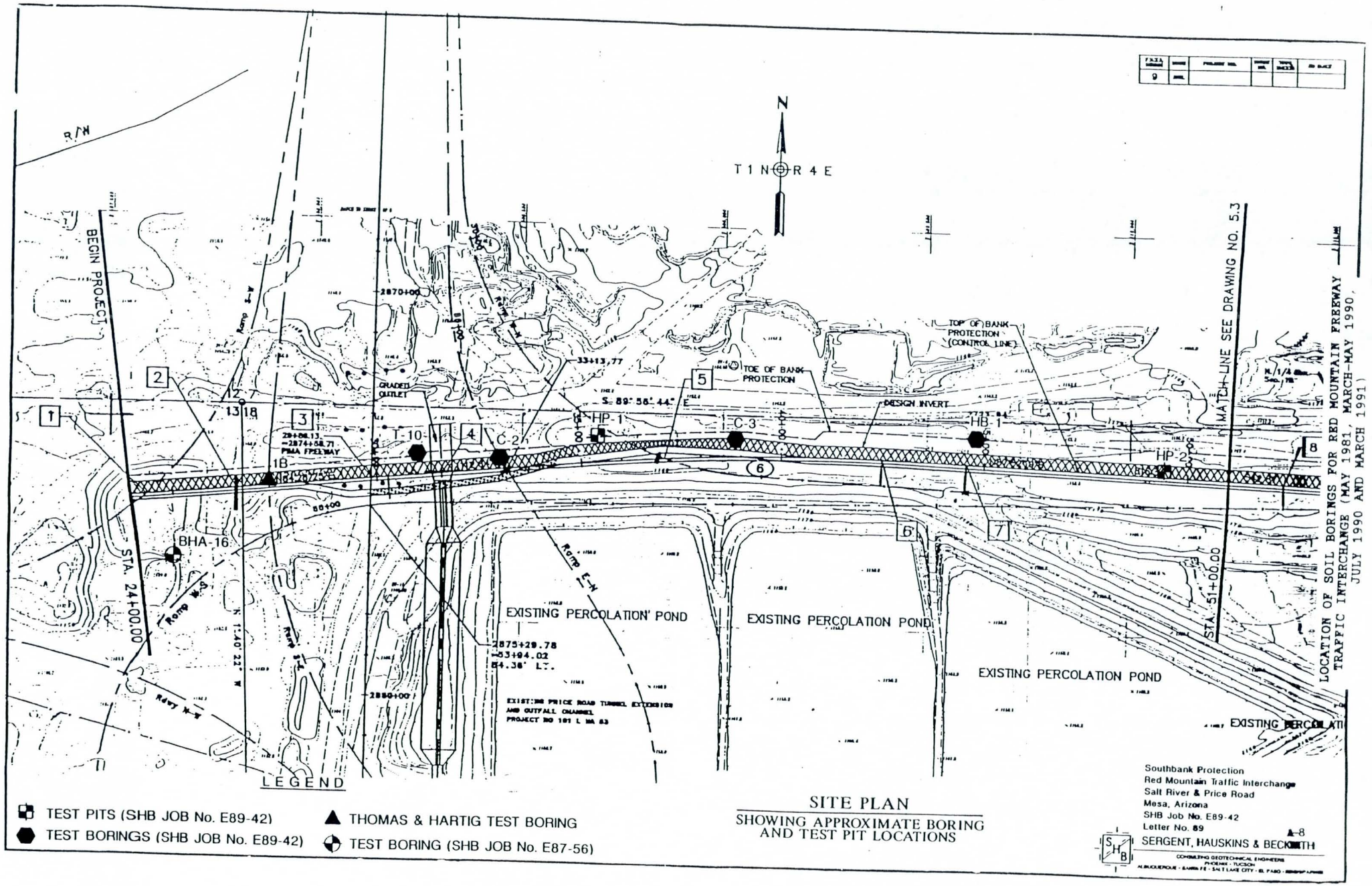
Date February 10, 1953.

NOTE: Report and Log are to be completed by the permittee and driller, and mailed by the permittee to the Ground Water Division of the State Land Department immediately upon completion of the well and pumping test.

APPENDIX B

LOGS FOR SOIL BORINGS

ADOT SOIL BORINGS FOR RED MOUNTAIN FREEWAY
TRAFFIC INTERCHANGE (MAY 1981, MARCH-MAY, 1990,
JULY 1990, AND MARCH 1991)



LOCATION OF SOIL BORINGS FOR RED MOUNTAIN FREEWAY — TRAFFIC INTERCHANGE (MAY 1981, MARCH-MAY 1990, JULY 1990 AND MARCH 1991)

SITE PLAN

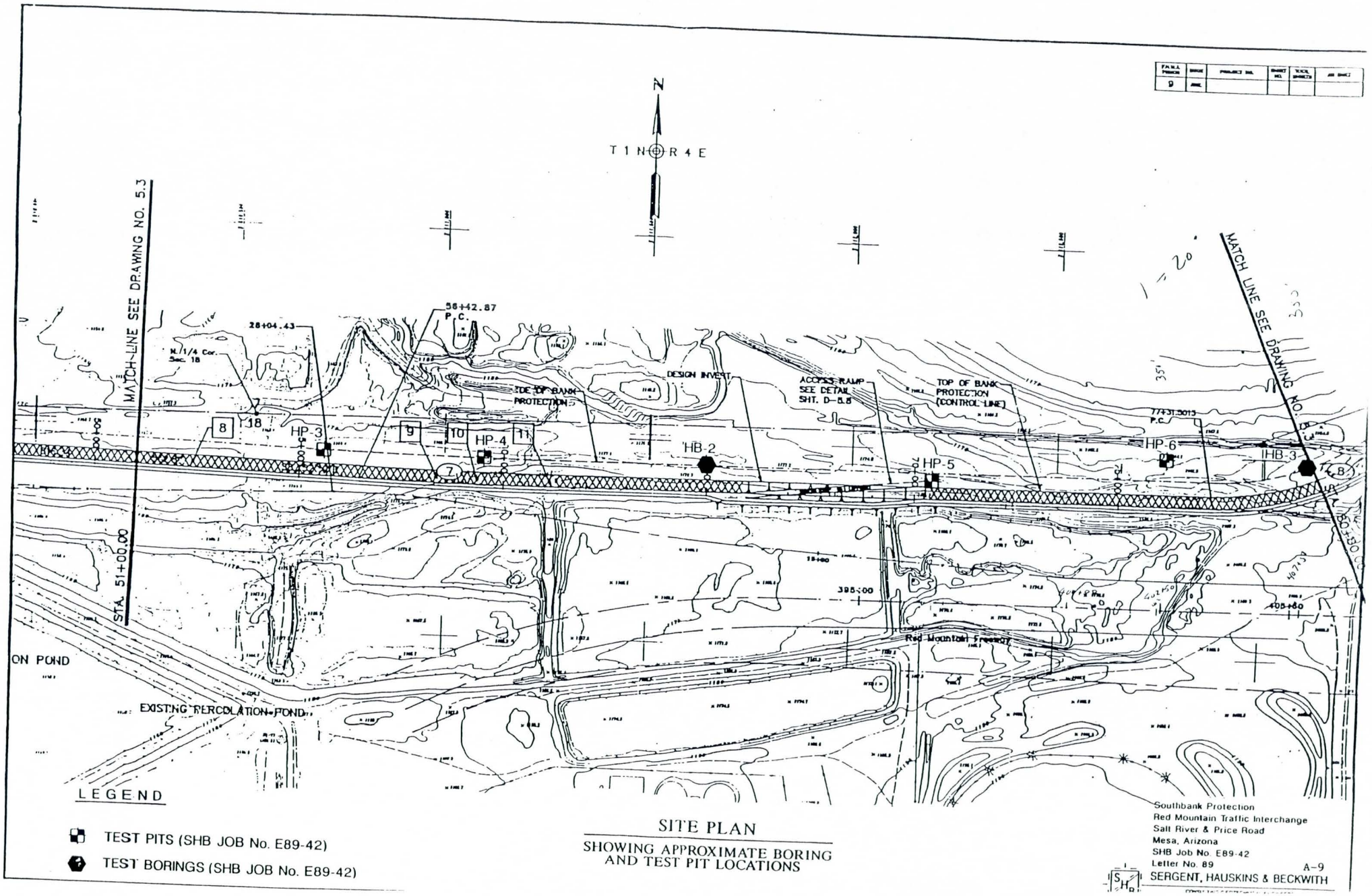
SHOWING APPROXIMATE BORING AND TEST PIT LOCATIONS

Southbank Protection
Red Mountain Traffic Interchange
Salt River & Price Road
Mesa, Arizona
SHB Job No. E89-42
Letter No. 89

A-8

SERGENT, HAUSKINS & BECKWITH

CONSULTING GEOTECHNICAL ENGINEERS
PHOENIX - TUCSON
ALBUQUERQUE - SANTA FE - SALT LAKE CITY - EL PASO



SITE PLAN

SHOWING APPROXIMATE BORING AND TEST PIT LOCATIONS

Southbank Protection
Red Mountain Traffic Interchange
Salt River & Price Road
Mesa, Arizona
SHB Job No. E89-42
Letter No. 89

A-9

SERGENT, HAUSKINS & BECKWITH

PROJECT Red Mountain Traffic Interchange

LOG OF TEST BORING NO. HB-1

JOB NO. E89-42 DATE 3-19-91 Location N886,490.8 E509,624.0

RIG TYPE AP-1000
BORING TYPE Hammer with 9" Casing
SURFACE ELEV. 1162.2'
DATUM Anderson-Nelson Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per cubic foot	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0	22								very moist to wet	**SANDY GRAVEL & COBBLES,** trace of boulders, well graded to poorly graded, subrounded, nonplastic, brown
	24							GW-		
	12							GP		
	25			D					dense to very dense	
	49									
5	32									note: estimated about 20% by weight coarser than 3"
	10									
	15									
	20									
▽ 10	26									
	25									
	30									
	26			D						
	15									
	30									
15	26									
	31									
	14									
	30									
	9									
20	22									
	57			D				GP-	wet	**SAND, GRAVEL & COBBLES,** some clay, trace of boulders, poorly graded, surounded, medium plasticity, light brown
	59							GC		
	45									
	74								hard	
25	50									note: estimated about 30% by weight coarser than 3"
	90									
	143									
	41									
	42									note: maximum estimated particle size of 16"
30	60			D						
	70									
	38									
	69									
	82									
35	77									
	83									
	47									
	68									
	40									
40	39									
	40			D						
	73									
	39									
	43									
45										Stopped Hammer at 45'
50										

GROUNDWATER

DEPTH	HOUR	DATE
▽ 10.0	1:45p	3-19-91
▼		

SAMPLE TYPE

A - Drill cuttings.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
T - 3" O.D. thin-walled Shelby tube.

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS
PHOENIX · ALBUQUERQUE · SANTA FE
SALT LAKE CITY · EL PASO · TUCSON · RENO/SPARKS

PROJECT Red Mountain Traffic Interchange

LOG OF TEST BORING NO. HB-2

JOB NO. E89-42 DATE 3-19-91 Location N886,434.7 E511,644.5

RIG TYPE AP-1000
BORING TYPE Hammer with 9" Casing
SURFACE ELEV. 1176.6'
DATUM Anderson-Nelson Survey

Depth in Feet	Continuous Penetration Resistance	Sample	Sample Type	Blow Count	Dry Density lbs. per cubic foot	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0	11							moist	**SANDY GRAVEL & COBBLES,** well graded, subrounded, nonplastic, brown
	60						GW		
	39							medium dense	
	38								
5	12		D					moist	**SAND & GRAVEL,** trace of cobbles, considerable silt, well graded, nonplastic, light brown
	7								
	9						GW-GM		
	10								
	19							medium dense to dense	
10	18								
	17								
	21		D						
	111							moist	**SAND & COBBLES,** some gravel & boulders, trace of silt, poorly graded, subangular to subrounded, nonplastic, light brown
	112								
	65						GP		
15	79							very dense	
	58		D						note: estimated about 10% coarser than 3"
	56								
	61								note: maximum estimated particle size of 18"
	35								
20	106		D						
	41						GP-GM		
	57								
	51								
	34							moist	**SANDY GRAVEL & COBBLES,** some silt, trace of boulders, poorly graded, subrounded, nonplastic, brown
25	89								
	74							very dense	
	56								note: maximum particle size of 16" to 18"
	51								
	24		D						note: estimated about 30% coarser than 3"
30	68								
	45						GC		
	33								
	57								
	45							very moist	**CLAYEY SAND, GRAVEL & COBBLES,** trace of boulders, poorly graded, subrounded, medium plasticity, light brown
35	60								
	67							very dense	
	42								note: maximum estimated particle size of 18"
	34								
	30								
40	60								estimated about 30% coarser than 3"
	59		D						
	60								
	61								
	38								
45	59								
	68								
	60								
	64								
50	60								

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill cuttings.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
T - 3" O.D. thin-walled Shelby tube.

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS
PHOENIX · ALBUQUERQUE · SANTA FE
SALT LAKE CITY · EL PASO · TUCSON · RENO/SPARKS

PROJECT Red Mountain Traffic Interchange

LOG OF TEST BORING NO. HB-2

JOB NO. E89-42 DATE 3-19-91 Location N886,434.7 E511,644.5

RIG TYPE AP-1000
BORING TYPE Hammer with 9" Casing
SURFACE ELEV. 1176.6'
DATUM Anderson-Nelson Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per cubic foot	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
50	52								very moist	CLAYEY SAND, GRAVEL & COBBLES, continued
	72			D						
	71							GC	very dense	
	60									note: low plasticity & increase in sand below 50'
	65									
55	67									
	56									
	45									
	40									
60										Stopped Hammer at 59'
65										
70										
75										
80										
85										
90										
95										
100										

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill cuttings.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
T - 3" O.D. thin-walled Shelby tube.

SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS
PHOENIX · ALBUQUERQUE · SANTA FE
SALT LAKE CITY · EL PASO · TUCSON · RENO/SPARKS

PROJECT Red Mountain Traffic Interchange

LOG OF TEST BORING NO. HB-3

JOB NO. E89-42 DATE 3-20-91 Location N886,476.1 E513,110.4

RIG TYPE AP-1000
BORING TYPE Hammer with 9" Casing
SURFACE ELEV. 1167.9'
DATUM Anderson-Nelson Survey

Depth in Feet	Continuous Penetration Resistance	Sample	Sample Type	Blow Count	Dry Density lbs. per cubic foot	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0	14							very moist	SAND, GRAVEL & COBBLES, trace of boulders & silt, poorly graded, subrounded, nonplastic, brown
	25						GW		
	40							dense to very dense	
	35		D						
5	131								note: estimated about 50% coarser than 3"
	110								
	78								note: maximum estimated particle size of 24"
	112								
	69								
10	100								
	72		D						SAND, GRAVEL & COBBLES, some clay & boulders, poorly graded, subrounded, medium plasticity, brown
	134								
	125						GP-	very moist to wet	
	140						GC		
	172		D					very dense	
15	90								note: estimated about 30% to 40% coarser than 3"
	54								
	36								note: maximum estimated particle size of 18"
	63								
	50								
20	105		D						
	141								
	75								
	94								
▽ 25	42								
	47		D						
	39								
	43								
	80								
	28								
30	60								
	64								
	74		D						
	37								
	77								
35	60								
	64								
	43								
	35								
	41								
40	87								
	40								
	41								
	39		D						
	57								
45	61								
	53								
	45								
	58								
50									Stopped Hammer at 49'

GROUNDWATER

	DEPTH	HOUR	DATE
▽	25.0	9:45a	3-20-91
▼			

SAMPLE TYPE

A - Drill cuttings.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
T - 3" O.D. thin-walled Shelby tube.

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SOIL BORING LOG

Near South Abutment
Station 25+00, 20' right of centerline

NO. 1B ELEV: 1164.6 ft. SIZE OF HOLE 6.5"+ FIELD ENGR: JR DATE: 5/15/81

DEPTH FT	PENETRATION RESISTANCE BLOWS/FT B	PENETRATION RESISTANCE BLOWS/FT N	SAMPLE TYPE	DRY DENSITY PCF	MOISTURE CONTENT	DESCRIPTION	SOIL CLASSIFICATION	GRADATION WELL	GRADATION MED	GRADATION POOR	GRAIN SHAPE ANGULAR	GRAIN SHAPE SUBANGULAR	GRAIN SHAPE ROUNDED	GRAIN SHAPE SUBROUNDED	RELATIVE DENSITY LOW	RELATIVE DENSITY MED	RELATIVE DENSITY HIGH	PLASTICITY NONE	PLASTICITY LOW	PLASTICITY MEDIUM	PLASTICITY HIGH	CONSISTENCY SOFT	CONSISTENCY FIRM	CONSISTENCY STIFF	CONSISTENCY VERY STIFF	CONSISTENCY HARD	CEMENTATION NONE	CEMENTATION WEAK	CEMENTATION MEDIUM	CEMENTATION STRONG
1	*				sli	Fill Material; sand,	Fill	X					X		X			X												
2	*				damp	gravel & cobbles;																									
3	*					grey brown																									
4	*																													
5	*																													
6	55				sli	Sand, Gravel & Cobbles;	GP	X					X		X	X		X									X				
7	49				damp	w/occasional boulders;																									
8	75					grey-brown																									
9	78																													
10	76	190	P																											
1	55																													
2	57																													
3	60													-																
4	61																													
5	60	150																												
6	60																													
7	72																													
8	75																													
9	55																													
20	56	140	P																											
1	54																													
2	51																													
3	51																													
4	50																													
5	50	125																												
6	50																													
7	50																													
8	56																													
9	55																													
30	56	140	P																											
1	58																													
2	61																													
3	38																													
4	45																													
5	47	118																												
6	59																													
7	56				damp	Clayey sand lense	SC	X	X			X		X	X		X									X				
8	47					36 to 40 ft.																									
9	45																													
40	45	113	P																											

*Too soft for hammer to develop full energy

Stopped test drilling at: Continued to 121 ft.

Ground water encountered: 77 ft.

SOIL BORING LOG

Cont'd.

NO. 1B ELEV: 1164.6 ft. SIZE OF HOLE 6.5"+ FIELD ENGR: JT DATE: 5/15/81

DEPTH FT	PENETRATION RESISTANCE BLOWS/FT B	PENETRATION RESISTANCE BLOWS/FT N	SAMPLE TYPE	DRY DENSITY PCF	MOISTURE CONTENT	DESCRIPTION	SOIL CLASSIFICATION	COMPACTION: WELL / MED / POOR	GRAIN SHAPE: ANGULAR / SUBANGULAR / ROUNDED / SUBROUNDED	RELATIVE DENSITY: LOW / MED / HIGH	PLASTICITY: NONE / LOW / MEDIUM / HIGH	CONSISTENCY: SOFT / FIRM / STIFF / VERY STIFF / HARD	CEMENTATION: NONE / WEAK
1	69				sli	Sand, Gravel & Cobbles;	GP	X	X	X XX			X
2	70				damp	w/occasional boulders;							
3	74					grey-brown							
4	75												
5	70	175											
6	68												
7	67												
8	68												
9	69												
50	70	175	P										
1	89												
2	95												
3	99												
4	101												
5	98	245											
6	98												
7	85												
8	68												
9	69												
60	68	170	P										
1	69												
2	90												
3	99												
4	135												
5	163	408											
6	154												
7	100												
8	103												
9	140												
70	147	368	P										
1	141												
2	116												
3	140												
4	179												
5	189	472											
6	100												
7	100												
8	57				sat								
9	58												
80	95	238	P										

Stopped test drilling at: Continued to 121 ft.

Ground water encountered: 77 ft.

Project No. 81-355

SOIL BORING LOG

Cont'd.
NO. 1B ELEV: 1164.6 ft. SIZE OF HOLE 6.5"+ FIELD ENGR: JR DATE: 5/15/81

DEPTH FT	PENETRATION RESISTANCE BLOWS/FT B	PENETRATION RESISTANCE BLOWS/FT N	SAMPLE TYPE	DRY DENSITY PCF	MOISTURE CONTENT	DESCRIPTION	SOIL CLASSIFICATION	EROSION: WELL	EROSION: MED	EROSION: POOR	GRAIN SHAPE: ANGULAR	GRAIN SHAPE: SUBANGULAR	GRAIN SHAPE: ROUNDED	GRAIN SHAPE: SUBROUNDED	RELATIVE DENSITY: LOW	RELATIVE DENSITY: MED	RELATIVE DENSITY: HIGH	PLASTICITY: NONE	PLASTICITY: LOW	PLASTICITY: MEDIUM	PLASTICITY: HIGH	CONSISTENCY: SOFT	CONSISTENCY: FIRM	CONSISTENCY: STIFF	CONSISTENCY: VERY STIFF	CONSISTENCY: HARD	CEMENTATION: NONE	CEMENTATION: WEAK	CEMENTATION: MEDIUM	CEMENTATION: STRONG
1	140				sat	Sand, Gravel & Cobbles;	GP		X				X			X	X	X									X			
2	200+					w/occasional boulders;																									
3	200+					grey brown																									
4	169																														
5	170	425																													
6	170					occasional thin lenses																									
7	179					of:																									
8	190					Clay (CL)																									
9	116					and																									
90	100	250	P			Clean Sand (SP)																									
1	90																														
2	89																														
3	88																														
4	20																														
5	20	50																													
6	40																														
7	61																														
8	95																														
9	94																														
100	90	225	P																												
1	20																														
2	25																														
3	85																														
4	25																														
5	30	75			sat	Clay; reddish brown	CL-		X											X	X					X	X			
6	35						CH																								
7	30																														
8	30																														
9	49																														
110	35	88	P																												
1	36																														
2	34																														
3	34																														
4	35					Sandy zone 113 to 117 ft.																											
5	53	133																													
6	25																														
7	29																														
8	23																														
9	22																														
120	35	88	P																												

Stopped test drilling at: Continued to 121 ft.

Ground water encountered: 77 ft.

Project No. 81-355

SOIL BORING LOG

Cont'd.

NO. 1B ELEV: 1164.6 ft. SIZE OF HOLE 6.5"+ FIELD ENGR: JT DATE: 5/15/81

DEPTH FT	PENETRATION RESISTANCE BLOWS/FT B	PENETRATION RESISTANCE BLOWS/FT N	SAMPLE TYPE	DRY DENSITY PCF	MOISTURE CONTENT	DESCRIPTION	SOIL CLASSIFICATION	GRADATION WELL	GRADATION MED	GRADATION POOR	GRAIN SHAPE ANGULAR	GRAIN SHAPE SUBANGULAR	GRAIN SHAPE ROUNDED	GRAIN SHAPE SUBROUNDED	RELATIVE DENSITY LOW	RELATIVE DENSITY MED	RELATIVE DENSITY HIGH	PLASTICITY NONE	PLASTICITY LOW	PLASTICITY MEDIUM	PLASTICITY HIGH	CONSISTENCY SOFT	CONSISTENCY FIRM	CONSISTENCY STIFF	CONSISTENCY VERY STIFF	CONSISTENCY HARD	CEMENTATION NONE	CEMENTATION WEAK	CEMENTATION MEDIUM	CEMENTATION HIGH
1	45	113			sat	Clay; reddish brown	CH			X										X	X					X	X			
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
130																														
1																														
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
140																														
1																														
2																														
3																														
4																														
5																														
6																														
7																														
8		NOTE	A:	The percussion-type test drilling method used does																										
9				not permit a determination of the maximum cobble																										
150				or boulder sizes in excess of 4.5 inches.																										
1																														
2		NOTE	B:	The data presented on these boring logs represents																										
3				subsurface conditions only at the specified loca-																										
4				tions and at the time designated. This data may																										
5				not represent conditions at other locations and/or																										
6				times.																										
7																														
8																														
9																														
160																														

Stopped test drilling at: 121 ft.

Ground water encountered: 77 ft.

Project No. 81-355

PROJECT Red Mountain Traffic Interchange

LOG OF TEST BORING NO. C-2

JOB NO. E89-42 DATE 7-3-90 Location N886,400 E508,444

RIG TYPE AP-1000
BORING TYPE Hammer with 9" Casing
SURFACE ELEV. 1169'
DATUM Anderson-Nelson Survey

Depth in feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per cubic foot	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0				A					slightly moist	Man-made FILL
								SC		CLAYEY SAND, some gravel, subrounded to rounded, weakly lime cemented, low to medium plasticity, brown
5	8			U	28		8		firm	
	12									
	15									SAND, GRAVEL & COBBLES, poorly graded, rounded to subrounded, nonplastic, brown
	29									
	41									
10	90			U	100/8"		3		slightly moist	
	127							GP		note: possible man-made fill to about 12'
	141			A						
	45								dense to very dense	
	53									
15	75			U	50/4"					
	65				NR					
	58									
	109									
	81									SAND, GRAVEL & COBBLES, some silt & clay, rounded to subrounded gravel, fine to coarse grained subangular sand, poorly graded, low to medium plasticity, brown
20	40			A						
	60									
	58									
	80									
	82									
25	30									
	45			S	26-					
	47				50/5"					
	49									
	70									
30	78			S	36-			GC-	moist	
	95			A	50/6"			GP		
	168								very dense	
	114									
	119									
35	87									
	72									
	90									
	70									
	43			S	40-					
40	48			A	50/3"					
	71									
	103									
	68									
	83									
45	69									
	82									
	56									
	66									
50	73									

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill cuttings. B - Block sample.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
T - 3" O.D. thin-walled Shelby tube.
NR - No Recovery

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PROJECT Red Mountain Traffic Interchange

LOG OF TEST BORING NO. C-2

JOB NO. E89-42 DATE 7-3-90 Location N886,400 E508,444

RIG TYPE AP-1000
BORING TYPE Hammer with 9" Casing
SURFACE ELEV. 1169'
DATUM Anderson-Nelson Survey

Depth in feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per cubic foot	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
50	45 102 120								very moist	
										Stopped Drill at 53' Stopped Sampler at 39'9"
55										
60										
65										
70										
75										
80										
85										
90										
95										
100										

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill cuttings. B - Block sample.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
T - 3" O.D. thin-walled Shelby tube.
NR - No Recovery

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PROJECT Red Mountain Traffic Exchange

LOG OF TEST BORING NO. C-3

JOB NO. E89-42 DATE 4-30-90 to 5-1-90 Location N886,402 E509,030

RIG TYPE Schramm T64H
BORING TYPE 4 3/4" Gearbit DPH/6" Casing
SURFACE ELEV. 1160.1'
DATUM Anderson - Nelson Survey

Depth in Feet	Drill Rate Min/Ft	Graphical Log	Sample	Sample Type	Blow Counts	Dry Density Lbs. per cu. ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0	0.7								slightly moist	SAND, GRAVEL & COBBLES, trace of boulders & silt, predominantly fine to medium grained subangular to angular sand, predominantly coarse grained subrounded to rounded gravel, weakly lime cemented, nonplastic, light brown
5	1.3							GP	very firm to hard	
	1.7									note: boulders up to 14" in diameter from 7' to 9'
10	1.4									
15	1.3									
				S	100/					SAND, GRAVEL & COBBLES, trace to considerable silt & clay, some boulders, predominantly medium to coarse grained subangular to angular sand, predominantly coarse grained subrounded to rounded gravel, weakly to moderately lime cemented, nonplastic to medium plasticity, brown
20	1.9			A	1/2"					
25	1.7								moist to saturated	
									hard	note: some clay at 18'
30	1.9			A				GP to GP-GC		note: maximum estimated particle size of 16"
35	1.8									
40										
45	1.9									
50	2.1									

GROUNDWATER

DEPTH	HOUR	DATE
65.8	8:35a	5-1-90
60.7	2:40p	5-1-90

SAMPLE TYPE
A - Drill cuttings. B - Block sample.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
D - Dennison Tube

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PROJECT Red Mountain Traffic Exchange

LOG OF TEST BORING NO. C-3

JOB NO. E89-42 DATE 4-30-90 to 5-1-90 Location N886,402 E509,030

RIG TYPE Schramm T64H
BORING TYPE 4 3/4" Gearbit DPH/6" Casing
SURFACE ELEV. 1160.1'
DATUM Anderson - Nelson Survey

Depth in Feet	Drill Rate Min/Ft	Graphical Log	Sample	Sample Type	Blow Counts	Dry Density Lbs. per cu. ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
50				A						
	2.1									
55	1.8									
▼ 60								GP-GC		note: predominantly sand to silty sand from 91' to 96' (SM-SP)
▽ 65	2.0									
70				A						
	1.9									
75	3.6									
80				A						
	3.8									
85	2.3									
90	2.4									
95				U	72					
	1.4			A					saturated	CLAYEY SILT TO SILTY CLAY, some fine grained sand, trace of fine grained gravel, weakly lime cemented, medium plasticity, brown
100	1.7							CL	hard	

GROUNDWATER

DEPTH	HOUR	DATE
▽ 65.8	8:35a	5-1-90
▼ 60.7	2:40p	5-1-90

SAMPLE TYPE
A - Drill cuttings. B - Block sample.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
D - Dennison Tube

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PROJECT Red Mountain Traffic Exchange

LOG OF TEST BORING NO. C-3

JOB NO. E89-42 DATE 4-30-90 to 5-1-90 Location N886,402 E509,030

RIG TYPE Schramm T64H
BORING TYPE 4 3/4" Gearbit DPH/6" Casing
SURFACE ELEV. 1160.1'
DATUM Anderson - Nelson Survey

Depth in Feet	Drill Rate Min/Ft	Graphical Log	Sample	Sample Type	Blow Counts	Dry Density Lbs. per cu. ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
100										
	1.7									
105										note: predominantly gravelly sand from 107' to 114'
	2.0			A						note: predominantly sandy gravel from 122' to 130'
110										note: predominantly sandy gravel interbedded with thin lenses of clay from 144' to 150'
								ML & CL		
115	1.9									
120	1.7									
125	1.5									
130	2.8									
				U	100/ 6 1/2"	95	29			
135	3.6									
140	3.5									
145	2.2									Stopped Hammer at 94' Stopped Gearbit at 149' Sampler refused at 149'7 1/2"
				U	100/ 7 1/2"					
150					NR					

GROUNDWATER

DEPTH	HOUR	DATE
65.8	8:35a	5-1-90
60.7	2:40p	5-1-90

SAMPLE TYPE
A - Drill cuttings. B - Block sample.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
D - Dennison Tube

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PROJECT Red Mountain Traffic Exchange

LOG OF TEST BORING NO. T-10

JOB NO. E89-42 DATE 5-24-90 Location N886,413.7 E508,297.6

RIG TYPE Schramm T64H
BORING TYPE 4 3/4" Hammer/6" Casing
SURFACE ELEV. 1174.35'
DATUM Anderson - Nelson Survey

Depth in Feet	Drill Rate Min/Ft	Graphical Log	Sample	Sample Type	Blow Counts	Dry Density Lbs. per cu. ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0										Man-made FILL
	0.3								moist to very moist	GRAVELLY SAND, some silt & clay, well graded to predominantly fine grained subangular sand, well graded subrounded to angular gravel, nonplastic to low plasticity, very dark brown
								SW		
5				U	47				dense to very dense	
	0.2			A						
										note: contains considerable asphaltic concrete
10	0.5			U	57					
										CLAYEY SAND, GRAVEL & COBBLES TO SAND, GRAVEL & COBBLES, small amount of silt, some to considerable clay, well graded subrounded to subangular sand, predominantly coarse grained subrounded to rounded gravel, weakly lime cemented, nonplastic to medium plasticity, brown
	0.2									
15				U	50					
	1.3			A						
										note: increase in clay below 20'
20				S	100/					
	3.5			A	7 1/2"			GP-GC		
	25.0									
	4.5									
25	13.0								moist	
	10.0									
	1.5								hard to very dense	
30	8.5			A						
	16.0									
	15.0									
35	3.2									
	3.0									
	2.8									
40				A						
	3.0									
	1.9									
45	1.5									
	1.6									
50										

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE
A - Drill cuttings. B - Block sample.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
D - Dennison Tube

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PROJECT Red Mountain Traffic Exchange

LOG OF TEST BORING NO. T-10

JOB NO. E89-42 DATE 5-24-90 Location N886,413.7 E508,297.6

RIG TYPE Schramm T64H
BORING TYPE 4 3/4" Hammer/6" Casing
SURFACE ELEV. 1174.35'
DATUM Anderson - Nelson Survey

Depth in Feet	Drill Rate Min/Ft	Graphical Log	Sample	Sample Type	Blow Counts	Dry Density Lbs. per cu. ft.	Moisture Content of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
50	1.6			A						
	1.9									
55										
	1.7									
	1.9									
60									Stopped Hammer at 59' Stopped Gearbit at 59'	
65										
70										
75										
80										
85										
90										
95										
100										

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill cuttings. B - Block sample.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
D - Dennison Tube

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PROJECT East Papago - Hohokam - Sky Harbor Freeways

LOG OF TEST BORING NO. BHA-16

JOB NO. E87-56 DATE 3-1-90

RIG TYPE Schramm T64H
BORING TYPE 6" Dual Percussion
SURFACE ELEV. 1185.2'
DATUM J & G Survey

Depth in Feet	Drill Rate Min/Ft	Graphical Log	Sample	Sample Type	Blow Count	HNU Meter Readings	Combustible Gas Indicator	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0									moist	Man-made FILL
	1.3							SP		GRAVELLY SAND, some silt, predominantly fine to medium grained sand, predominantly fine grained gravel, nonplastic, brown
5	1.7							GP		
				S	67/6"	3.4	0.1		slightly moist	Man-made FILL
10	4.3								hard	SANDY GRAVEL, considerable cobbles, some silt, well graded sand, predominantly rounded coarse grained gravel, weakly lime cemented, nonplastic, light brown
15	2.5							GP		
				S	17-33-22	3.4	0.0			SAND, GRAVEL & COBBLES, some silt, predominantly fine to medium grained sand, predominantly coarse grained gravel, surounded to rounded, weakly lime cemented,
20	1.5								slightly moist to moist	nonplastic, brown note: some clay at 11'
25	1.7								hard	note: considerable clay at 40'
				U	100/4 1/2"	3.0	0.0			
30	4.0									
35	2.0									
	2.5									
40				S	23-38-50/4"	0.0	0.0			
										Stopped Drill at 40' Sampler refused at 41'4"
45										
50										

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill cuttings. B - Block sample.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
T - 3" O.D. thin-walled Shelby tube.
NR - No Recovery

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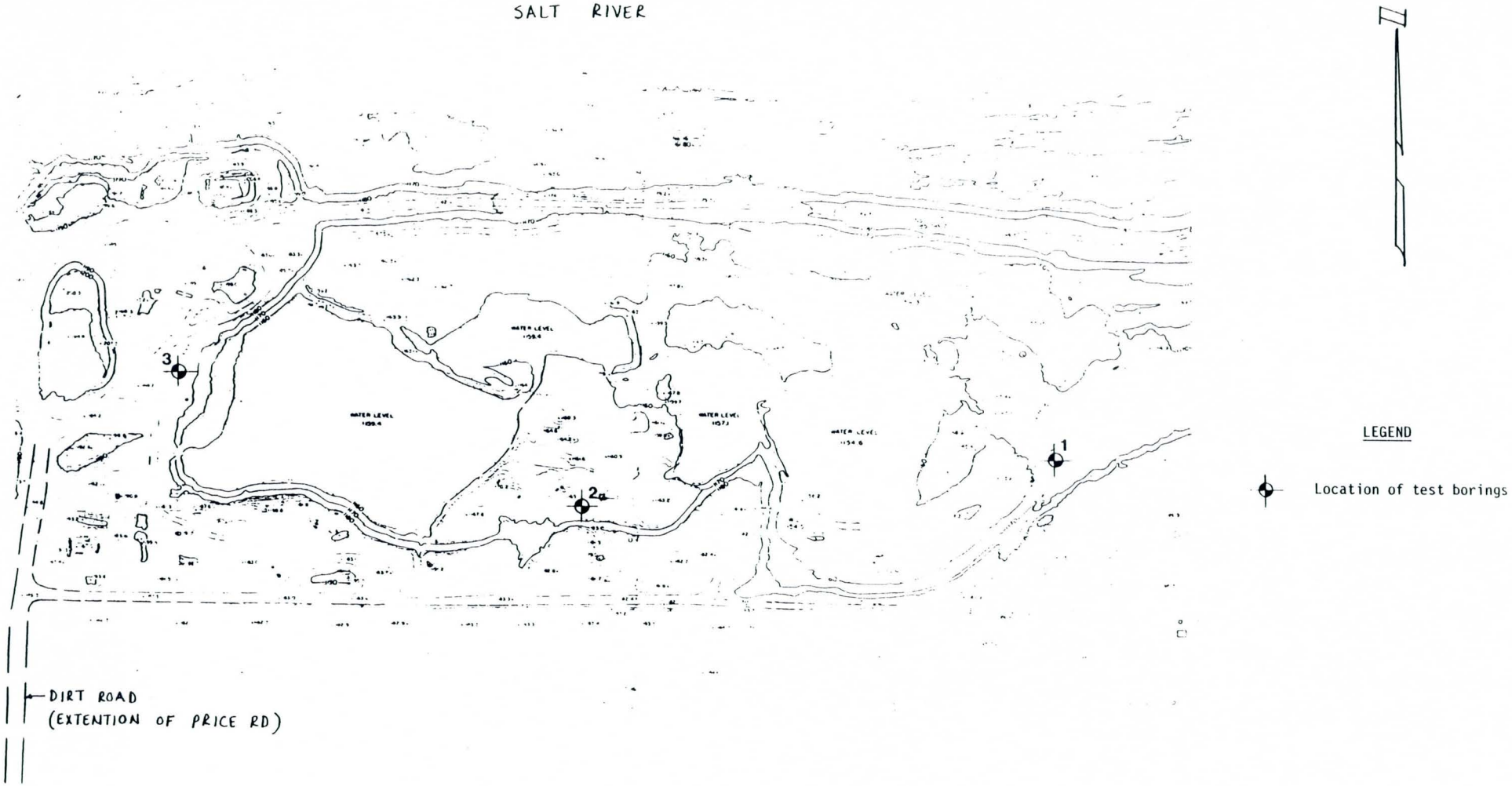
SOIL BORINGS FOR CITY OF MESA NW WRP
SOUTH OF SALT RIVER (JANUARY 1987)



LOCATION OF SOIL BORINGS FOR MESA NW WRP
SOUTH OF SALT RIVER (JANUARY 1987)

THOMAS-HARTIG & ASSOCIATES, INC.

Project No: 87-0127

LEGEND OF SOIL TYPES

FILL MATERIAL: Sandy Gravel and Cobbles (GP); brown and gray; medium dense; non-plastic; slightly damp.

FILL MATERIAL: Silty Sand (SM); brown and gray; medium dense; non-plastic; slightly damp.

FILL MATERIAL: Concrete; gray.

FILL MATERIAL: Sand, Gravel, Cobbles, Concrete, and Asphalt; gray and black; non-plastic; damp.

FILL MATERIAL: Clayey Sand with some cobbles, concrete, and asphalt (SC); gray and black; low to medium plasticity; damp to moist.

FILL MATERIAL: Clay with sand, gravel, concrete, and asphalt (CL); gray and black; medium plasticity; moist.

FILL MATERIAL: Fine sand and gravel with clay balls, concrete, and asphalt (SP/SC); gray and black; generally non-plastic; moist to wet.

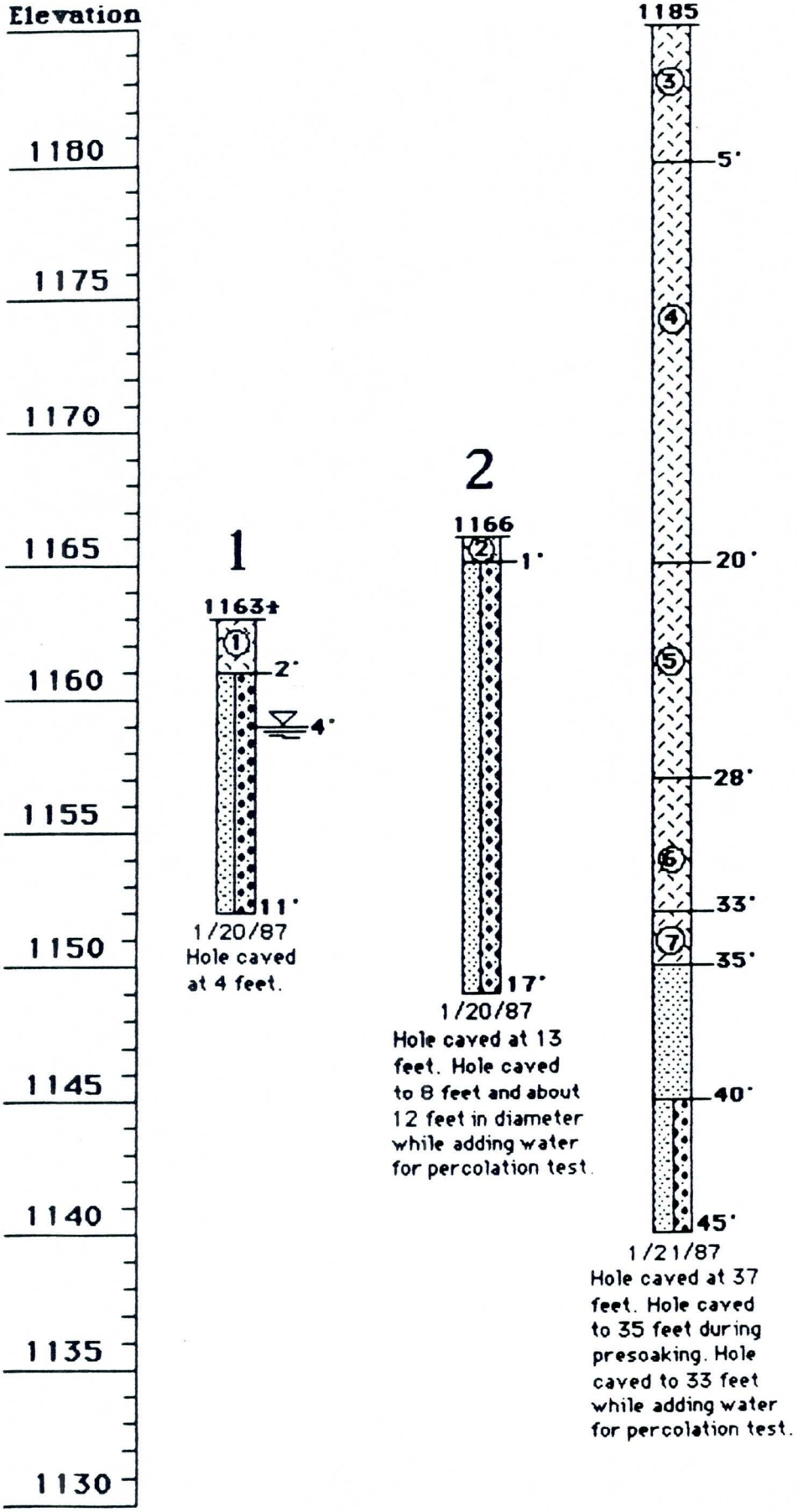
GRAVELLY SAND (SP); brown and gray; medium dense; non-plastic; predominantly fine sand with gravel and some cobbles; moist to wet.

SAND, GRAVEL, AND COBBLES (SP/GP); brown and gray; dense; non-plastic; contains some boulders; damp in upper zones of Test Borings 1 and 2; moist to wet.

Project No. 87-0127

Thomas - Hartig & Associates

NOTE: The data presented on the boring logs represents subsurface conditions only at the specific locations and at the time designated. This data may not represent conditions at other locations and/or times. Contacts between soil strata are approximate and changes between soil types may be gradual rather than abrupt. This boring data was compiled primarily for design purposes and should not be construed as part of the plans governing construction or defining construction techniques. Bidders are fully responsible for interpretations or conclusions they draw from the boring log.



4' Indicates depth to groundwater.

All borings were drilled using a 36-inch diameter auger.

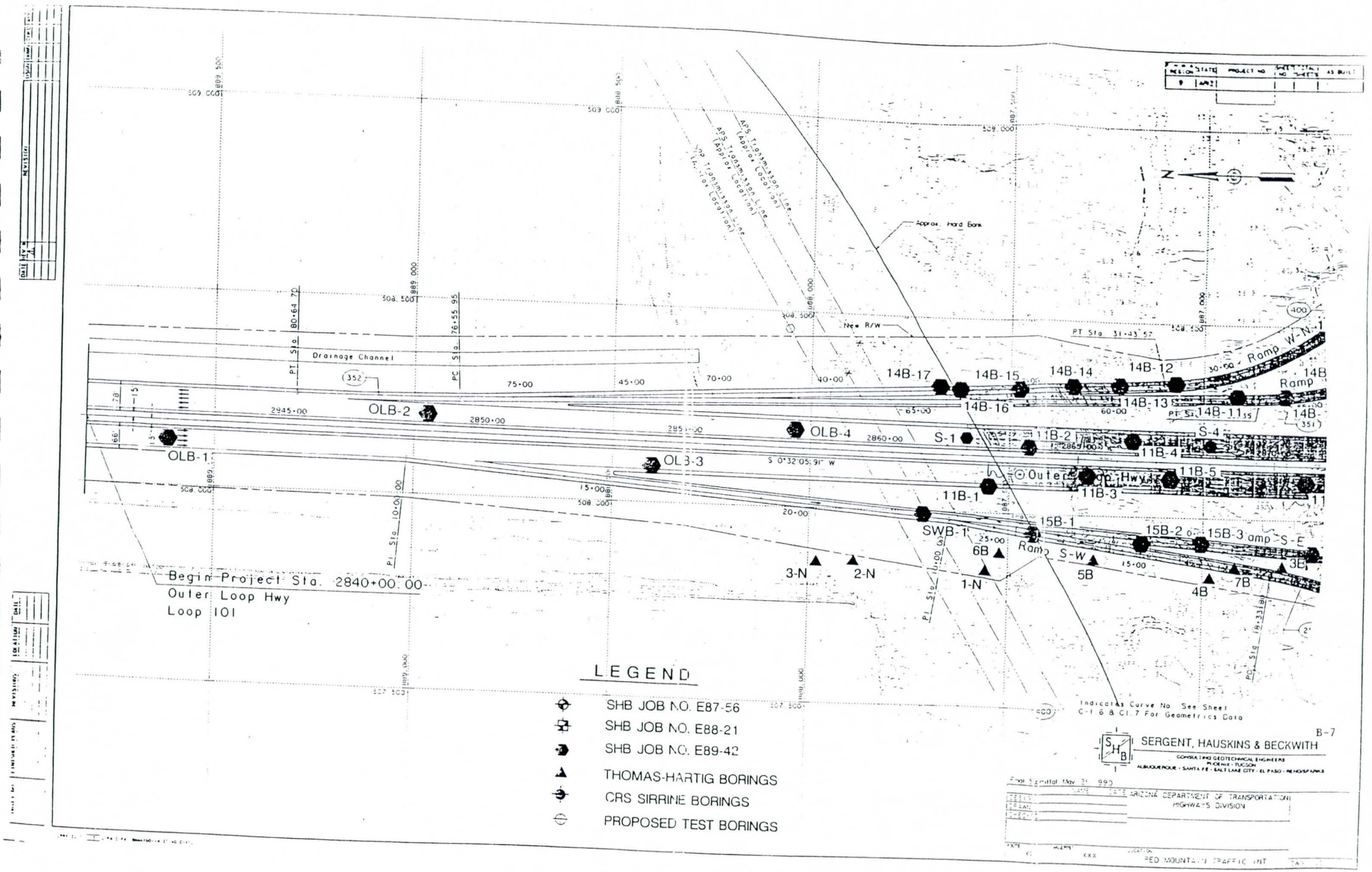
Groundwater was encountered in Test Boring 1 at a depth of 4 feet; the hole continuously caved at 4 feet. Wet soils were encountered near the bottom of Test Borings 2 and 3; however, no groundwater was observed in the holes at any time during or after drilling.

Project No: 87-0127

Thomas-Hartig & Assoc., In

NOTE: The data presented on the borin logs represents subsurface conditions only at the specific locations and at the time designated. This data may n represent conditions at other location and/or times. Contacts between soil strata are approximate and changes between soil types may be gradual rather than abrupt. This boring data was compiled primarily for design pu poses and should not be construed as part of the plans governing construc tion or defining construction techniqu Bidders are fully responsible for inte pretations or conclusions they draw from the boring log.

ADOT SOIL BORINGS FOR PRICE FREEWAY
NORTH OF SALT RIVER (APRIL 1991)



LOCATION OF SOIL BORINGS FOR PRICE FREEWAY NORTH OF SALT RIVER (APRIL 1991)

PROJECT Red Mountain Traffic Interchange

LOG OF TEST BORING NO. OLB-1

JOB NO. E89-42 DATE 4-24-91 Location N889614 E508110

RIG TYPE CME-75
BORING TYPE 6 5/8" Hollow Stem Auger
SURFACE ELEV. 1188.3'
DATUM Anderson-Nelson Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per cubic foot	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0				A				ML	slightly moist	SANDY SILT, trace of clay, weakly lime cemented, low plasticity, light brown
				S	2-6-8					
								CL	moderately firm	
				S	8-11-14				slightly moist	SILTY CLAY, trace of fine grained sand, weakly lime cemented, medium plasticity, light brown to brown
5				S	10-11-15			SM-ML	firm	
									slightly moist	SANDY SILT, weakly lime cemented, nonplastic, light brown
									firm	
								SM	slightly moist to moist	SILTY SAND, fine to medium grained, nonplastic, light brown
10				S	13-14-16				dense	
										Stopped Auger at 9'6" Stopped Sampler at 11'
15										
20										
25										

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE
A - Drill cuttings.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
T - 3" O.D. thin-walled Shelby tube.
C - 2 1/2" O.D. Tube Sample

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PROJECT Red Mountain Traffic Interchange

LOG OF TEST BORING NO. OLB-2

JOB NO. E89-42 DATE 4-24-91 Location N888967 E508206

RIG TYPE CME-75
BORING TYPE 6 5/8" Hollow Stem Auger
SURFACE ELEV. 1187.6'
DATUM Anderson-Nelson Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per cubic foot	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0				S	2-3-3			CL	moist soft to moderately firm	SILTY CLAY, some gravel, low plasticity, light brown note: disturbed from 0 to 2' due to tilling
				S	5-6-8					
5				S	4-6-6			SM	moist moderately firm	SILTY SAND, fine grained, nonplastic, light brown
10				S	7-7-34			SP	slightly moist dense to very dense	SAND, trace of fine grained gravel, fine to medium grained, nonplastic, tan note: considerable gravel below 10'6"
										Stopped Auger at 9'6" Stopped Sampler at 11'
15										
20										
25										

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE
A - Drill cuttings.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
T - 3" O.D. thin-walled Shelby tube.
C - 2 1/2" O.D. Tube Sample

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PROJECT Red Mountain Traffic Interchange

LOG OF TEST BORING NO. OLB-3

JOB NO. E89-42 DATE 4-24-91 Location N888397 E508096

RIG TYPE CME-75
BORING TYPE 6 5/8" Hollow Stem Auger
SURFACE ELEV. 1185.5'
DATUM Anderson-Nelson Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per cubic foot	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0				A					moist	SILTY CLAY, trace to some fine grained sand, weakly lime cemented, low plasticity, brown
				S	2-3-5				soft	
								CL		note: upper 18" disturbed by tilling
				S	12-18-18					SILTY CLAY, trace of fine grained sand, weakly lime cemented, low to medium plasticity, light brown
5				S	12-14-15			CL-ML	moist to slightly moist	
									very firm	
10				S	10-12-17					
										Stopped Auger at 9'6" Stopped Sampler at 11'
15										
20										
25										

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill cuttings.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
T - 3" O.D. thin-walled Shelby tube.
C - 2 1/2" O.D. Tube Sample

B-210

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APPENDIX C

PROJECT Red Mountain Traffic Interchange

LOG OF TEST BORING NO. OLB-4

JOB NO. E89-42 DATE 4-24-91 Location N888020 E508192

RIG TYPE CME-75
BORING TYPE 6 5/8" Hollow Stem Auger
SURFACE ELEV. 1176.0'
DATUM Anderson-Nelson Survey

Depth In Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per cubic foot	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0				S	2-3-6			SP-SM	slightly moist to moist; medium dense	SILTY SAND, trace of gravel, nonplastic, tan to light brown
				S	6-12-10					note: some fine grained gravel below 3'
5				S	5-7-11			GP	moist; medium dense to very dense	SAND & GRAVEL, trace to some cobbles, trace of silt, fine to medium grained sand, poorly graded gravel, subrounded to rounded, nonplastic, light brown
										note: considerable cobbles below 6'
										Auger refused at 7'6"
										Stopped Sampler at 6'
10										
15										
20										
25										

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill cuttings.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
T - 3" O.D. thin-walled Shelby tube.
C - 2 1/2" O.D. Tube Sample

B-211

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PROJECT Red Mountain Traffic Interchange

LOG OF TEST BORING NO. SWB-1

JOB NO. E89-42 DATE 4-24-91 Location N887721 E507990

RIG TYPE CME-75
BORING TYPE 6 5/8" Hollow Stem Auger
SURFACE ELEV. 1175.7'
DATUM Anderson-Nelson Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per cubic foot	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0				A					slightly moist to moist	GRAVELLY SAND, trace of cobbles & silt, fine to medium grained sand, predominantly fine grained gravel, subrounded to rounded, nonplastic, tan to light brown
				S	1-3-6			SP-SM		
				S	13-20-20			GP	loose	
				S	50/4"			GP	moist dense	SAND & GRAVEL, trace of cobbles, trace of silt, fine to medium grained sand, predominantly coarse grained gravel, subrounded to rounded, nonplastic, light brown
5										
									slightly moist to moist very dense	SAND, GRAVEL & COBBLES, fine to medium grained sand, predominantly coarse grained gravel, rounded, nonplastic, light brown
10										Auger refused at 7'
15										
20										
25										

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill cuttings.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
T - 3" O.D. thin-walled Shelby tube.
C - 2 1/2" O.D. Tube Sample

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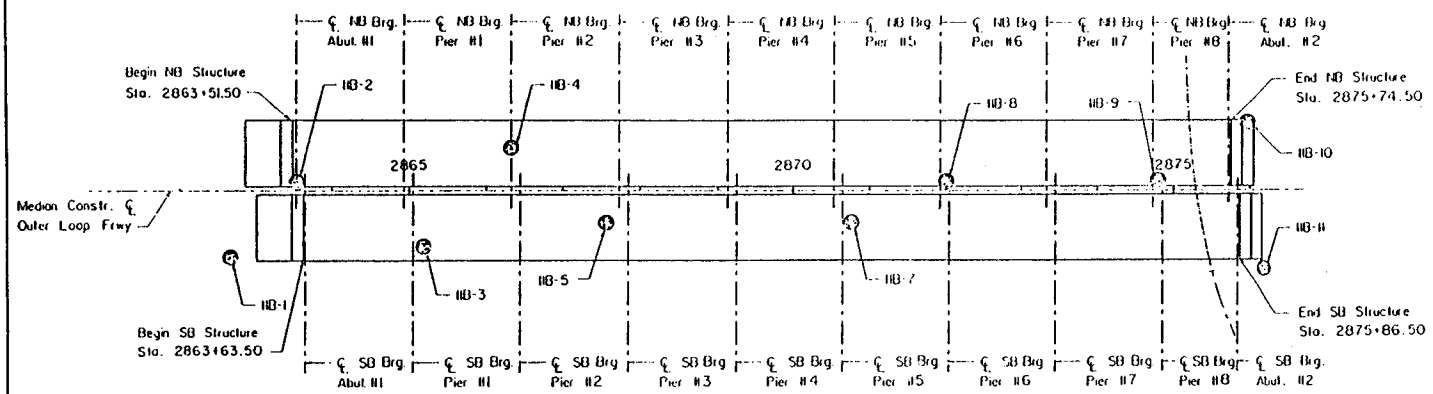
ADOT SOIL BORINGS FOR SALT RIVER BRIDGE
AT PRICE ROAD (APRIL-JUNE, 1991)



BORING LOCATION PLAN
N.T.S.

NOTES:

The boring logs show subsurface conditions at the dates and locations shown on SHD Job No. E89-42, and it is not warranted that they are representative of subsurface conditions at other locations and times.

The sand gravel and cobble (SGC) deposits contain occasional boulders 12" or larger in size.

Information contained on this sheet is made available to prospective bidders for information purposes only and is not to be considered a part of the contract papers.

Classification of soil materials is in accordance with the current AASHTO "Manual on foundation investigations".

Classification of soil materials is visual unless accompanied by lab testing presented in the Geotechnical Investigation Report, prepared by Sergent,Hauskins & Beckwith Consulting Geotechnical Engineers, Project No. E89-42.

The absence of a groundwater indication does not constitute a representation that the groundwater will not be present during construction. Groundwater is indicated hereon only when found during the foundation investigation and represents that condition only on the date of the investigation.

Information is developed as accurately as possible by the methods utilized. However, the State accepts no responsibility for any conditions encountered which may be of variance from information contained herein.

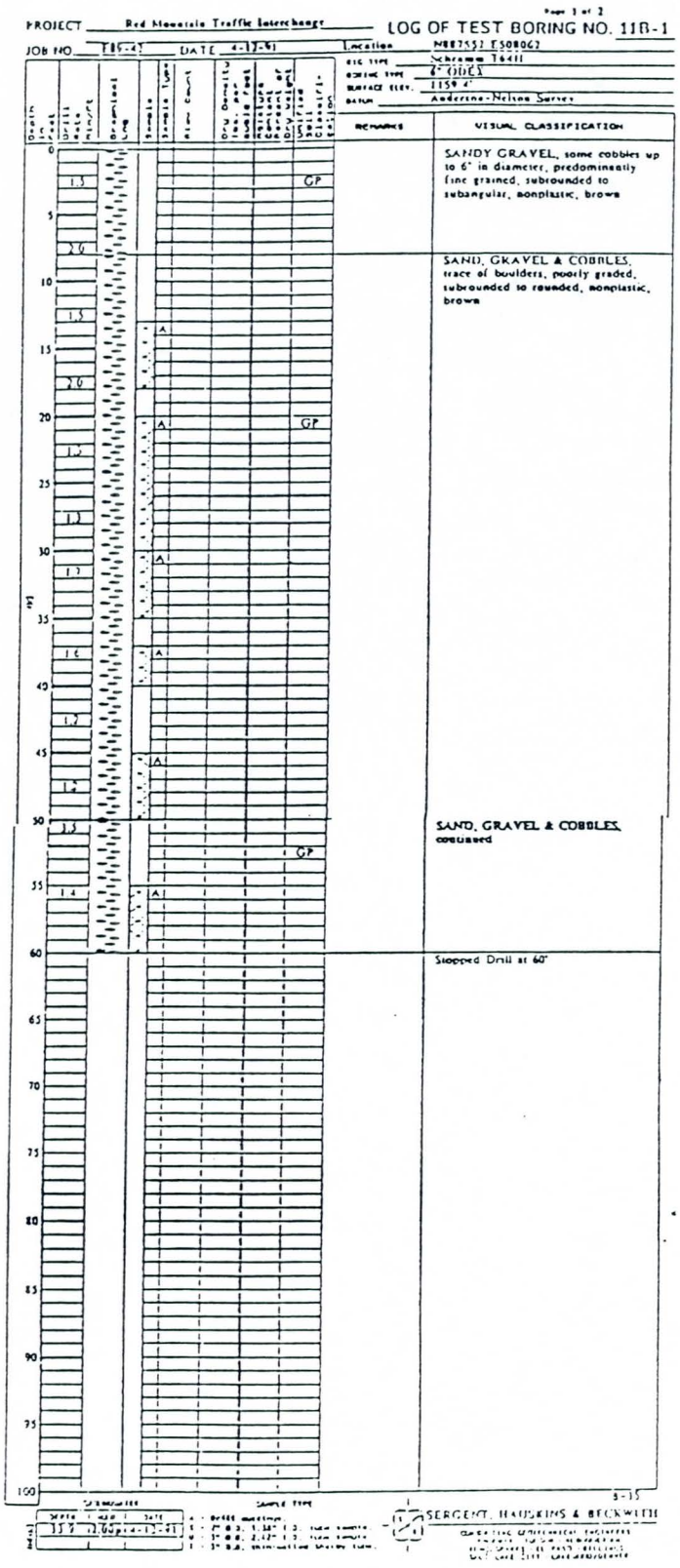
The 2.42 inch I.D. ring sampler blow counts shown on the boring logs are the number of blows recorded for 12 inches of penetration, unless otherwise noted, using a 140 pound drop hammer with a free fall of thirty inches, no cushion

Contractor should expect fluctuations in groundwater level due to rain water flows in the Salt River, Percolation Ponds and other unknown factors

All Stations and Offsets are Taken from Const. ℄

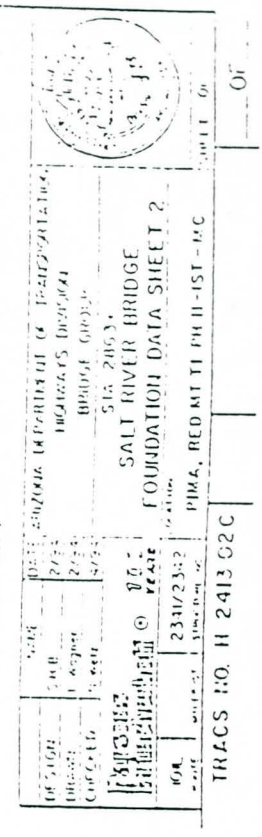
SALT RIVER BRIDGE
FOUNDATION DATA SHEET

LOCATION OF SOIL BORINGS FOR SALT RIVER BRIDGE AT PRICE ROAD (APRIL-JUNE 1991)



Sta. 2862+66.89
Offset 84.03' RT

For Holes and Boring Location Plan
See Sheet No. 1



Page 1 of 3

PROJECT Red Mountain Traffic Interchange

LOG OF TEST BORING NO. 11B-2

JOB NO. T89-42 **DATE** 4-9-81

Location	N887464 E508156
Rig Type	Schramm T64II
Boring Type	6" Dual Percussion
Surface Elev.	1163.0'
Datum	Anderson-Nelson Survey

Depth in Feet	Drill Rate min/ft	Unified Soil Classification	Remarks	Visual Classification
0 – 20	1.0, 1.0, 1.0, 1.5	GP		SAND, GRAVEL & COBBLES, trace of boulders, poorly graded, subrounded, grayish brown note: increase in fine grained sand below 15'
20 – 50	4.0, 3.0, 2.5, 3.0, 2.5, 4.0	GP		SAND, GRAVEL & COBBLES, some boulders, poorly graded sand, subrounded, nonplastic, reddish brown
50 – 72	1.5, 4.5, 4.0, 3.0, 2.0	GP		SAND, GRAVEL & COBBLES, continued
72 – 94	6.0, 4.0, 15.0, 1.0	GW		SAND & GRAVEL, considerable cobbles, occasional boulders, well graded, subrounded to rounded, nonplastic, brown
94 – 97		ML		SANDY SILT, moderately to strongly lime cemented, low to medium plasticity, brown
97 – 100	[illegible]	CH		SANDY CLAY, moderately to strongly lime cemented, medium to high plasticity, brown

Groundwater level symbol (▽) at 30 ft.

Groundwater

Depth	Time	Date
30.0	10 hours	5-7-81
[illegible]		

Sample Type

A - Drill cuttings
B - 2" O.D. 1.38" I.D. tube sample
C - 3" O.D. 2.42" I.D. tube sample
D - 3" O.D. thin walled Shelby tube

B-37

SERGENT, HAUSKINS & BECKWITH

Consulting Geotechnical Engineers

PROJECT Red Mountain Traffic Interchange — LOG OF TEST BORING NO. 11B-2

JOB NO. T89-42 DATE 4-8-91 Location N887464 E508156

Rig Type Schramm T64II
Boring Type 6" Dual Percussion
Surface Elev. 1163.8'
Datum Anderson-Nelson Survey

Depth in Feet	Drill Rate Minutes	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per cubic foot	Moisture Content Percent of Dry Weight	Unified Soil Classification	Remarks	Visual Classification
100				D1		82	60		wet hard	SANDY CLAY, continued
105	1.0							CH		
110										
115										
120										
125				S1	41- 30/4"			SC	wet hard	CLAYEY SAND, predominantly medium to coarse grained, subrounded to subangular, low plasticity, brown
130								CL	wet hard	SANDY CLAY, moderately to strongly lime cemented, low to medium plasticity, brown
135				S1	100/ 12"					Stopped Drill at 135'
140										
145										
150										

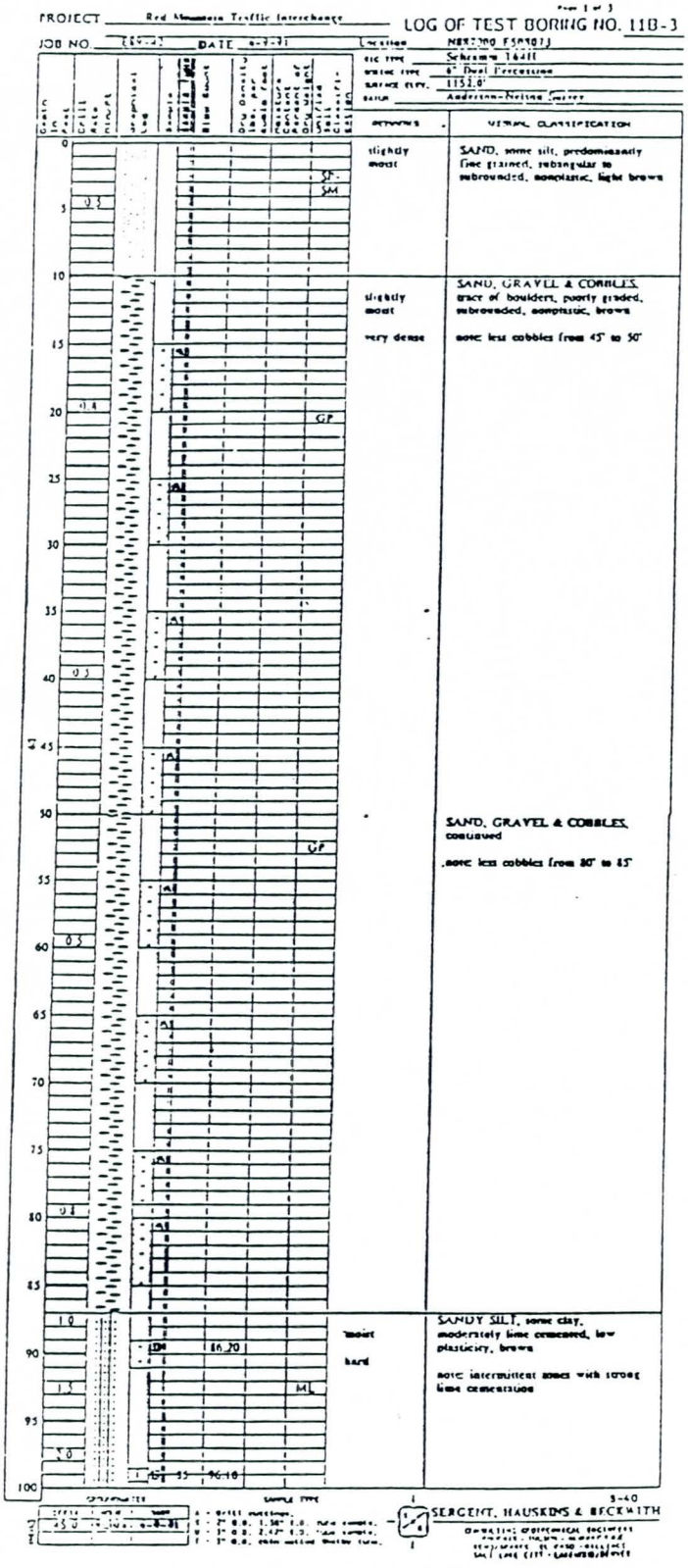
Groundwater: Depth 10.0 | Hour 10:00a | Date 5-7-91

Sample Type: A - Drill cuttings. C - 2" O.D. 1.38" I.D. Tube sample. D - 2" O.D. 1.67" I.D. Tube sample. T - 3" O.D. Undisturbed Shelby tube.

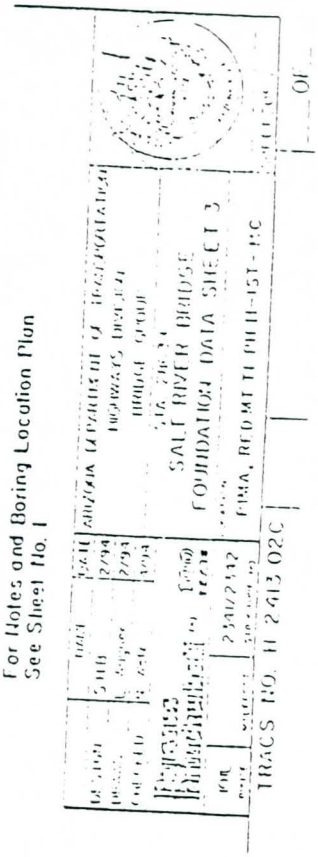
B-38

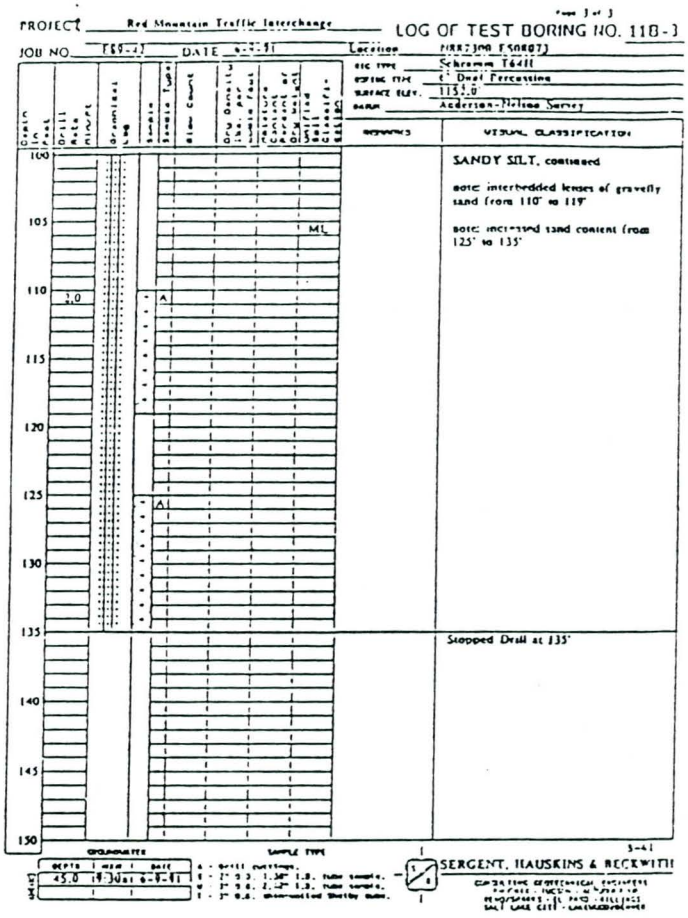
SERGENT, HAUSKINS & BECKWITH

Sta. 2863+54.01
Offset 10.79' Lt.



For Notes and Boring Location Plan
See Sheet No. 1





STA. 2865+18.77
Offset 70.68' Rt.

PROJECT: Red Mountain Traffic Interchange

LOG OF TEST BORING NO. 11B-4

JOB NO.: [illegible] DATE: 5-?-81 to 6-2-81 Location: N?57185 E50?197

Rig type: Schramm 164H

Boring type: 6" Dual Percussion

Surface elev.: 1149.0'

Datum: Anderson-Nelson Survey

Depth in Feet	Drill Rate min/ft	Sample Type	Blow Count	Unified Soil Classification	Remarks	Visual Classification
0					moist to wet; medium dense to very dense	SAND, GRAVEL & COBBLES, trace of boulders, poorly graded, subrounded gravel & cobbles, subangular sand, nonplastic, brownish gray
5	2.1			GP		
11		A				
15	1.0					
21		A				
25	0.9					
31		A				
35	1.4					
41		A				
45	1.1					
50		A			wet; very dense	SAND, GRAVEL & COBBLES, trace of boulders, well graded, subrounded, nonplastic, light brown
55	1.0			GW		
61		A				
65	1.2					
71		A				
75	1.3					
81		A				
85	1.1					
87					wet; very firm to hard	SANDY CLAY, high plasticity, brown
91				CH		
92	1.5					
96		D	50/2			
98	1.2					
100						

Groundwater: Depth 15.0 · Hour [illegible] · Date 5-?-81

Sample Type: A – Drill cuttings; B – 2" O.D. 1.38" I.D. tube sample; C – 2.5" O.D. 2.0" I.D. tube sample; D – 3" O.D. thin-walled Shelby tube

SERGENT, HAUSKINS & BECKWITH

Consulting Geotechnical Engineers

[illegible]

F H W A REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ	RAM-600-1-536	C10	64	
		IOIL MA 052			

PROJECT Red Mountain Traffic Interchange

LOG OF TEST BORING NO. 11B-4

JOB NO. FR7-41 DATE 5-7-91 to 6-4-91

Location: [illegible]
Rig type: Schramm 16411
Boring type: 6" Dual Percussion
Surface elev.: 1149.5'
Datum: [illegible]

Depth in Feet	Drill Rate	Graphical Log	Sample Type	Blow Count	Dry Density	Moisture	Soil Classification	Remarks	Visual Classification
100			U	50	95	20	CL		SANDY CLAY, continued.
105	1.8								
			A				SP/CL	wet very dense	SAND, considerable fine grained gravel, poorly graded, subangular, nonplastic, brown note: interbedded with sandy clay, medium plasticity, brown
110									
115	1.5								
120			A						
125	2.0								
130									Stopped Drill at 130'
135									
140									
145									
150									

Groundwater:

Depth	Hour	Date
15.0	[illegible]	6-7-91

Sample type:
A - Drill cuttings.
S - 2" O.D. 1.38" I.D. tube sample.
U - 3" O.D. 2.42" I.D. tube sample.
T - 3" O.D. thin-walled Shelby tube.

SERGENT, HAUSKINS & BECKWITH

Sta. 2866+32.61
Offset 54.39' Lt.

PROJECT Red Mountain Traffic Interchange — LOG OF TEST BORING NO. 11B-5

JOB NO [illegible] DATE 6-10-91 Location NRE7062 E5481B1

rig type Schramm T64II

water type 6" Dual Processure

surface elev. 1146.9'

datum Anderson-Nelson Survey

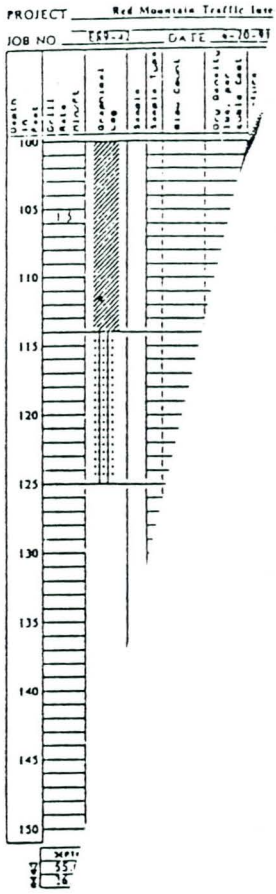
Depth in Feet	Graphical Log	Sample Number	Sample Type	Blow Count	Dry Density in lbs/cu.ft.	Moisture Content, Percent of Dry Weight	Soil Classification	REMARKS	VISUAL CLASSIFICATION
0								slightly moist very dense	SAND, GRAVEL & COBBLES, trace of boulders, poorly graded, subangular to subrounded sand, subrounded gravel, nonplastic, brown
5	10						GP		
10		A1							
15	93								
20		A1							
25									
30	93								
35		A1							
40									
45	93								
50		A1							SAND, GRAVEL & COBBLES, cemented
55							GP		
60	93								
65		A1							
70									
75									
80	10								
85									
90	15	D1		80 00			CH	moist moderately firm to hard	SILTY CLAY, trace of sand, moderately lime cemented, high plasticity, brown note: some zones of strong lime cementation
		D1	12	81 20					
95									
100									

Sample Type

SERGENT, HAUSKINS & BECKWITH

For Holes and Boring Location Plan
See Sheet No. 1

[illegible] DEPARTMENT OF TRANSPORTATION
ENGINEERS DIVISION
BRIDGE GROUP
SALT RIVER BRIDGE
FOUNDATION DATA SHEET 4
PSBA, RED MT TI PH II-1ST-MC



Sta. 286+[illegible]
Offset 40.46' Rt.

PROJECT Red Mountain Traffic Interchange — LOG OF TEST BORING NO. 11B-7

JOB NO. E85-21 DATE 6-1-81 Location N886742 E596696

Rig Type Schramm T64II
Boring Type 6" Dual Precussion
Surface Elev. 1151.7'
Datum Anderson-Nelson Survey

Depth in Feet	Sample No.	Sample Type	Graphic Log	Remarks	Visual Classification
0					Man-made FILL SILTY SAND, trace of gravel, predominantly fine to medium grained subangular to subrounded, low plasticity, brown
5	03				
10		A			SAND, GRAVEL & COBBLES, trace of boulders, poorly graded, subrounded, nonplastic, brown basic some boulders from 20' to 25' basic trace of silt from 33' to 37'
15					
20	10				
25		A			
30					
35		A			
40	03				
45		A			
50				wet very dense	SAND, GRAVEL & COBBLES, continued
55					
60	01	A			
65					
70					
75	10				
80		S 30/3"			
85	08	A			
90	10			moist hard	SILTY CLAY, some sand, moderately lime cemented, medium to high plasticity, brown
95	03	T 101	60	77 30 1	
100					

Sample Type

Remarks

B-47

SERGENT, HAUSKINS & BECKWITH

REDUCED SIZE
DO NOT SCALE

F H W A REGION	STATE	PROJECT NO	SHEET NO	TOTAL SHEETS	AS BUILT
9	ARIZ	RAM-600 I-53(6) 101L MA 052	C11	64	

PROJECT Red Mountain Traffic Interchange — LOG OF TEST BORING NO. 118-7 — Page 3 of 3

JOB NO E85-47 DATE 6-1-91 Location N886742 E508058

Rig Type Schramm TA311
Drilling Type 4" Dual Percussion
Surface Elev. 1151.1'
Datum Anderson-Nelson Survey

Depth (Feet)	Drill Rate (Min/Ft)	Recovered (Ins)	Sample Type	Sample Number	Blow Count	Dry Density (pcf)	Moisture Content (%)	Liquid Limit (%)	Plasticity Index (%)	Soil Classification (USCS)	Remarks	Visual Classification
100												SILTY CLAY, continued
	5.1									CH		note: interbedded sandy clay lenses from 103' to 106'
105												
110	1.0			A1								CLAYEY SAND, considerable silt & some gravel, well graded, subangular to subrounded, weakly lime cemented, low plasticity, brown
115										SM-SW-SC		
120												
125	1.5											
130				D1								
												Stopped Drill at 131'
135												
140												
145												
150												

GROUNDWATER

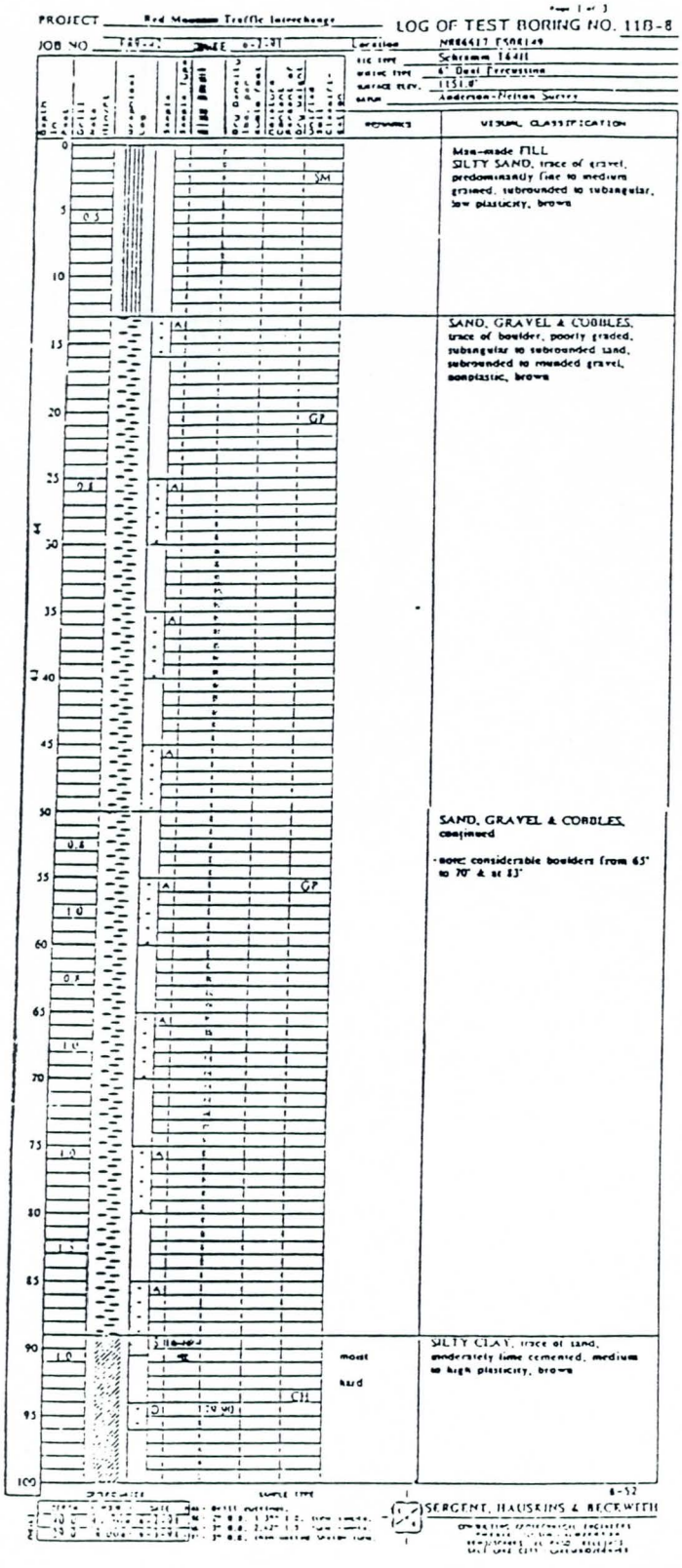
	Depth	Hole	Date
2	35.0	0	6-1-91
3	25.8	0	6-4-91

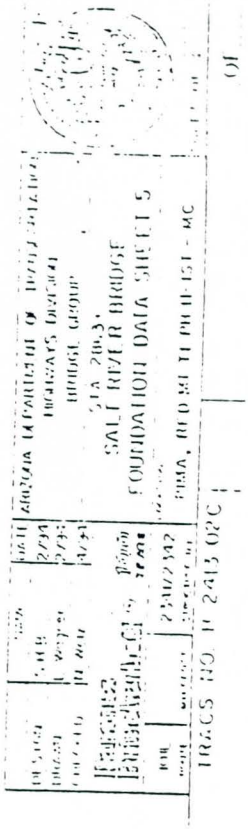
SAMPLE TYPE
A - Auger cuttings.
D - 2" O.D. 1.38" I.D. Split spoon.
C - 3" O.D. 2.42" I.D. Ring barrel.
T - 3" O.D. Undisturbed Shelby Tube.

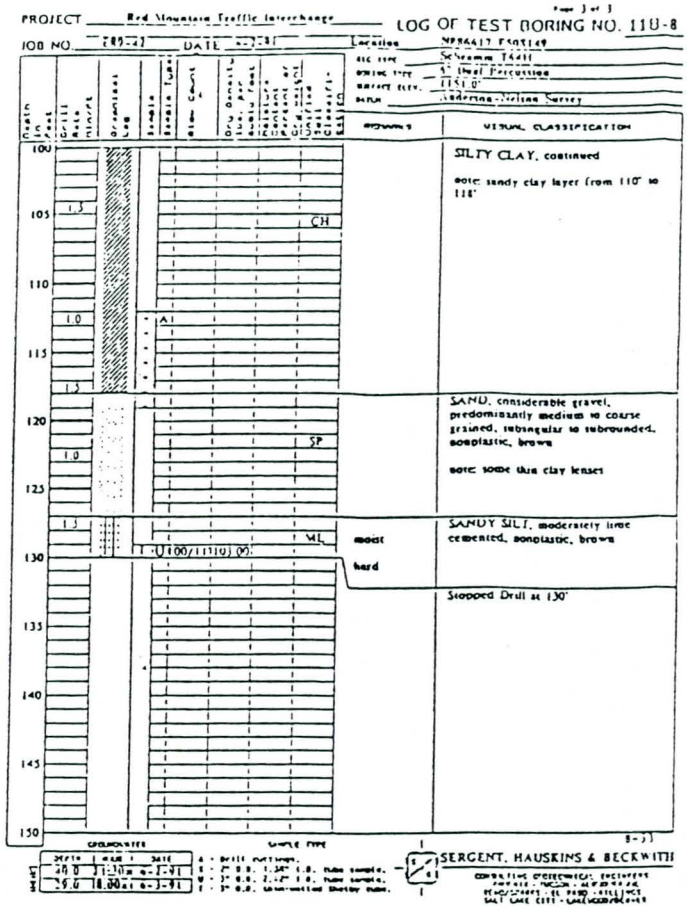
SERGENT, HAUSKINS & BECKWITH
CONSULTING GEOTECHNICAL ENGINEERS
PHOENIX, TUCSON, ALBUQUERQUE
ENGINEERS, 11 WEST JEFFERSON
EAST LAKE CITY, LAKE HAVASU CITY

8-50

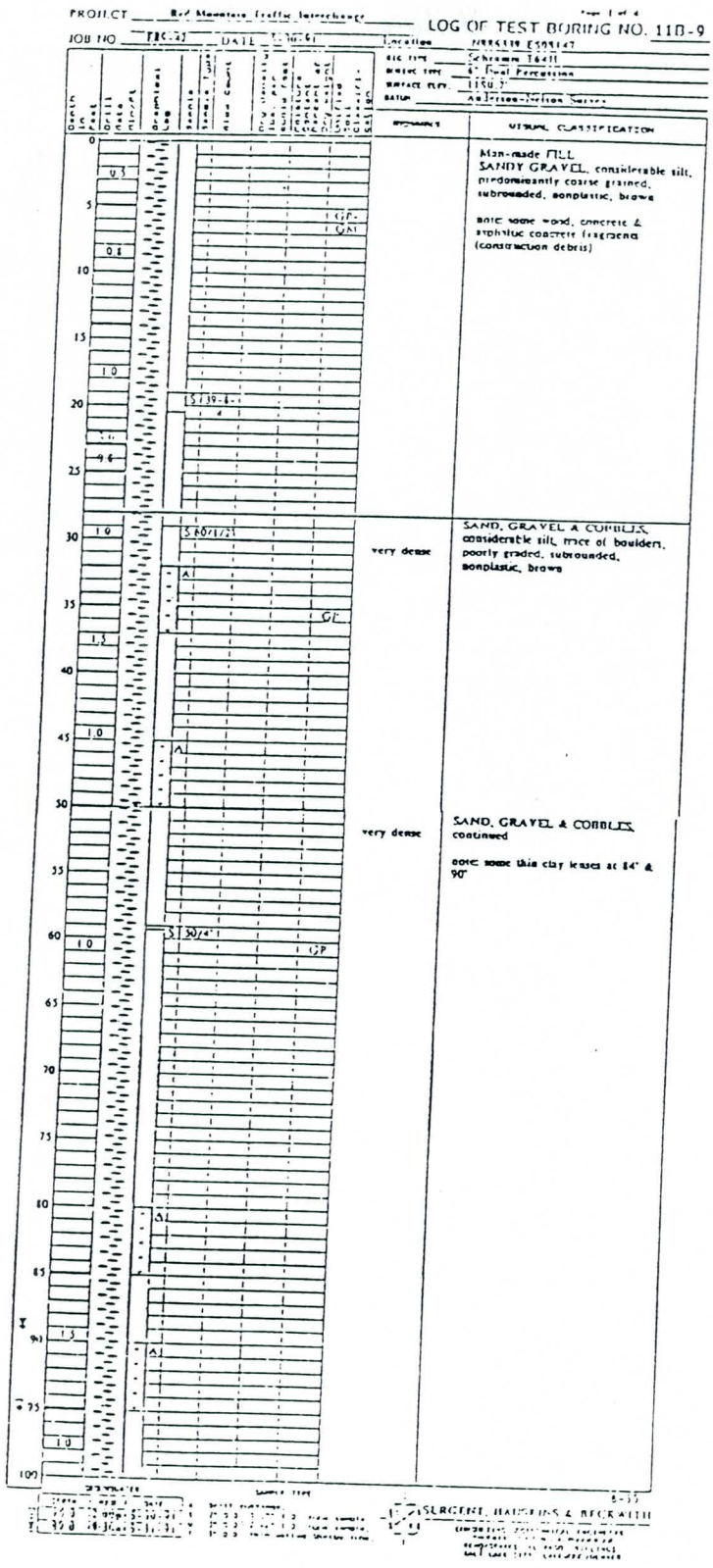
Sta. 2870+76.52
Offset 40.47' Rt.


PROJECT Red Mountain Traffic Interchange
LOG OF TEST BORING NO. 118-8
JOB NO
Location
Rig type Schramm T4411
Boring type 6" Dual Percussion
Surface elev. 1151.0'
Date Anderson-Nelton Surety
REMARKS
VISUAL CLASSIFICATION
Man-made FILL
SILTY SAND, trace of gravel, predominantly fine to medium grained, subrounded to subangular, low plasticity, brown
SAND, GRAVEL & COBBLES, trace of boulder, poorly graded, subangular to subrounded sand, subrounded to rounded gravel, nonplastic, brown
SAND, GRAVEL & COBBLES, continued
- some considerable boulders from 65' to 70' & at 83'
moist
hard
SILTY CLAY, trace of sand, moderately lime cemented, medium to high plasticity, brown
SAMPLE TYPE
SERGENT, HAUSKINS & BECKWITH


ARIZONA DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
BRIDGE GROUP
SFN 2003
SALT RIVER BRIDGE
FOUNDATION DATA SHEET 5
PIMA, MOBILE TO PHOENIX - MC
TRACS NO. H 2413 02C



Sta. 2872+01.04
Offset 11.69 Lt.



Sta. 2874+79.04
Offset 12.29' Lt.

REDUCED SIZE
DO NOT SCALE

For Notes and Boring Location Plan
See Sheet No. 1

F H W A REGION	STATE	PROJECT NO	SHEET NO	TOTAL SHEETS	AS BUILT
9	ARIZ	IRAM-600-1-536	C12	64	
		101L MA 052			

PROJECT Red Mountain Traffic Interchange

LOG OF TEST BORING NO. 11B-9

JOB NO [illegible] DATE [illegible]

Location [illegible]

RIG TYPE Simco 2400

DRILLING METHOD CF Dual Rotasonic

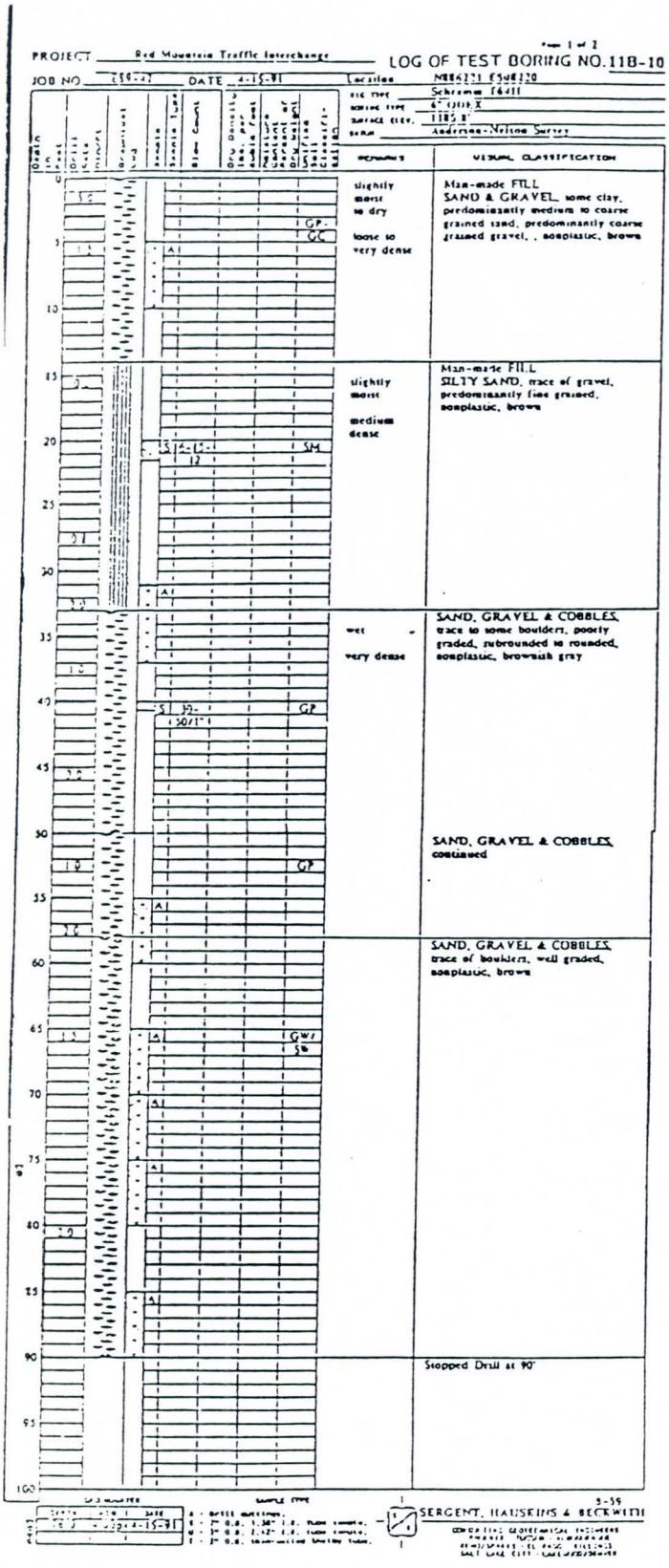
SURFACE ELEV. [illegible]

DATUM Arbitrary Datum

DEPTH	REMARKS	VISUAL CLASSIFICATION
100		SAND, GRAVEL & COBBLES, continued
105		
110		
115		
120		
125	wet hard	SILTY CLAY, trace sand, moderately lime cemented, medium to high plasticity, brown note: increase of sand from 130' to 132'
130		
135		
140		SAND & GRAVEL, predominantly coarse grained subrounded sand, predominantly fine grained subrounded gravel, nonplastic, grayish brown
145	wet hard	SILTY CLAY, trace of sand, moderately lime cemented, medium to high plasticity, brown
150	wet dense to very dense	SILTY SAND, trace of gravel, predominantly fine to medium grained subangular to subrounded sand, nonplastic, grayish brown
155		Stopped Drill at 150' Stopped Sampler at 151'6"
160		
165		
170		
175		
180		
185		
190		
195		
200		

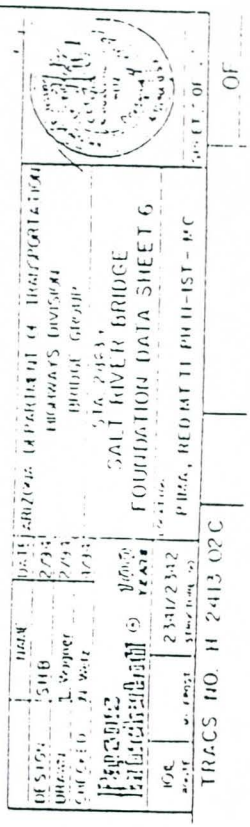
SAMPLE TYPE

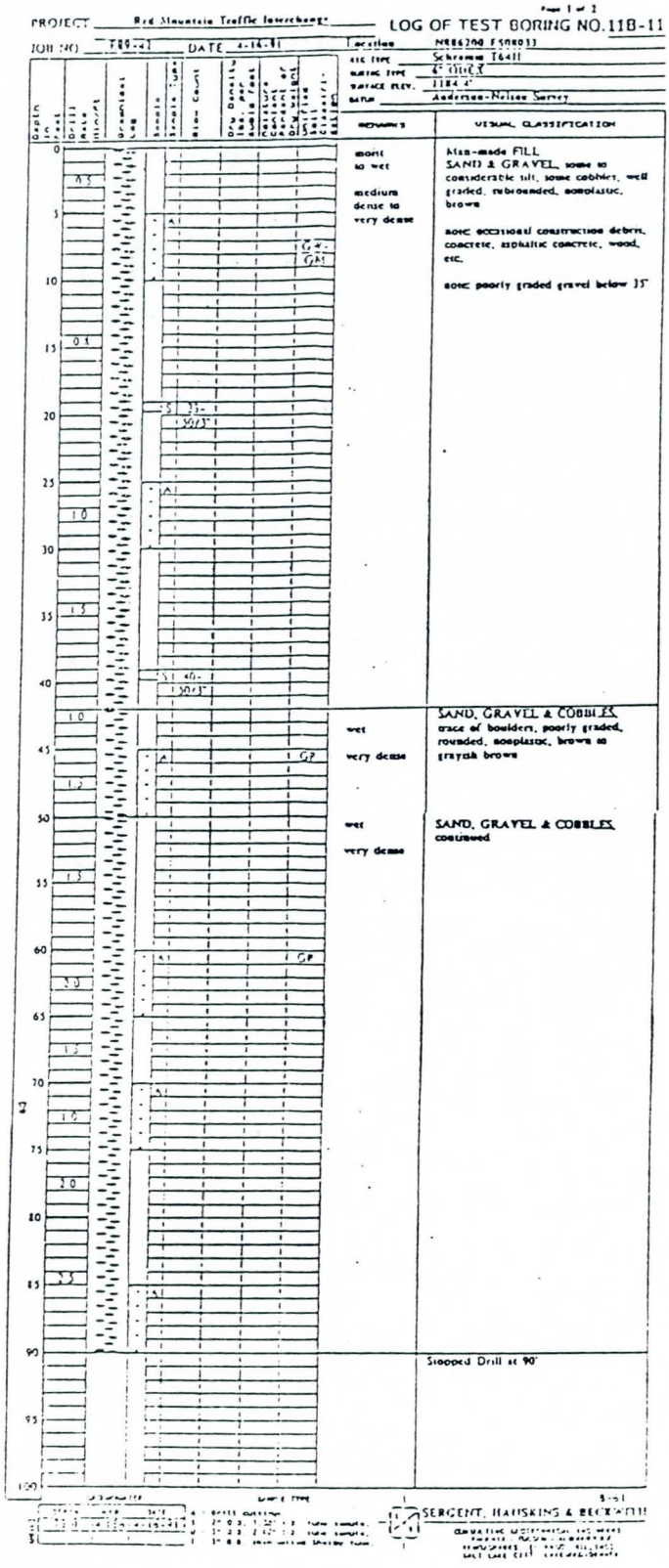
SEDIMENTARY, IGNEOUS & METAMORPHIC



Sta. 2875+96.36
Offset 86.39 Lt.

For Notes and Boring Location Plan
See Sheet No. 1



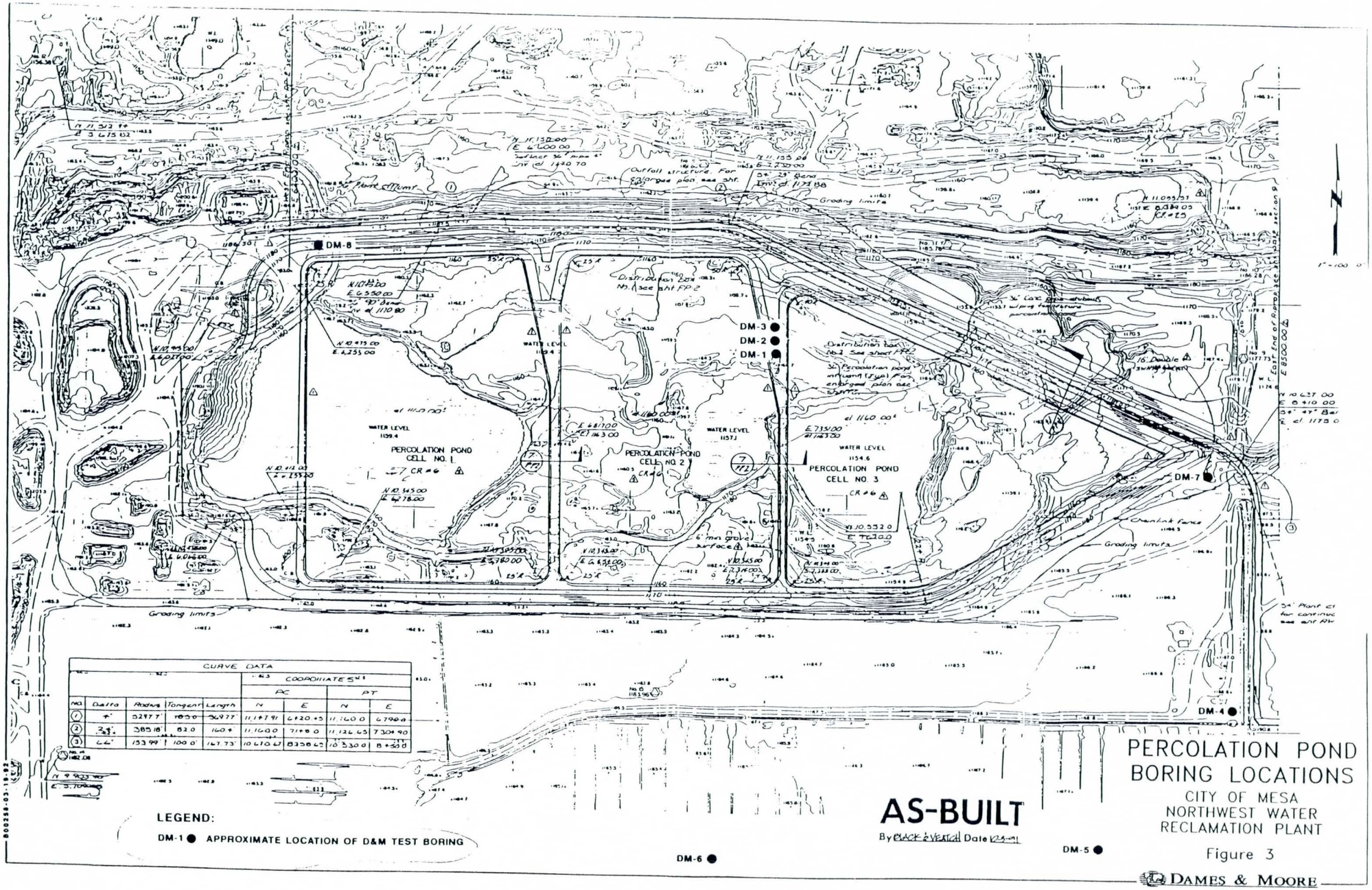


FHWA REGION	STATE	PROJECT NO	SHEET NO	TOTAL SHEETS	AS BUILT
9	ARIZ	RAM 600-1(536)	63	64	

IOHL RM 052

Sta. 2876+19.10
Offset 100.41' Rt.

SOIL BORINGS FOR CITY OF MESA NW WRP
SOUTH OF SALT RIVER (FEBRUARY 1992)



LOCATION OF SOIL BORINGS FOR MESA NW WRP
SOUTH OF SALT RIVER (FEBRUARY 1992)

BORING DM-1

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	NUMBER OF RINGS	TESTS REPORTED ELSEWHERE	ATTERBERG LIMITS: LIQUID LIMIT (%)	ATTERBERG LIMITS: PLASTICITY INDEX (%)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	BLOWS/FT. CASING	SAMPLES
								30	
								27	
								17	
								10	
								11	
								–	
								–	
								78	▽
								105	
								123	
								123	
								173	
								211	
								–	
								203	
S&H	6"/4"							160	▽
								149	■
								–	
								–	
								–	
								99	
								49	
								88	▽
								–	
								–	
								–	
								–	
								89	
S&H	6"/6"							–	■
								–	
								–	
								–	
								–	
								184	
								207	
								124	
								124	
								70	
								–	

LABORATORY TEST DATA

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

SYMBOLS

SYMBOLS	DESCRIPTION
SW	BROWN, GRAVELLY, FINE TO MEDIUM SAND, TRACE SILT AND COBBLES, SLIGHTLY MOIST
SM	BROWN, SILTY, FINE TO MEDIUM SAND, SOME GRAVELS AND COBBLES, MOIST
GW/GP	BROWN, SANDY GRAVEL, ABUNDANT COBBLES AND TRACE SILT, VERY MOIST TO WET
GP/GC	BROWN, SANDY GRAVEL, ABUNDANT COBBLES AND SOME CLAY, LOW TO MEDIUM PLASTICITY, MOIST

BORING COMPLETED AT 42 FEET ON 2/5/92.
PERCHED WATER LEVELS RECORDED AT 8, 16 AND 25 FEET ON 2/5/92.
BORING COMPLETED AS MONITOR WELL ON 2/5/92.

LOG OF BORING

Figure 1
D&M JOB#16177-005-022

BORING DM-2

	SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	NUMBER OF RINGS	TESTS REPORTED ELSEWHERE	LABORATORY TEST DATA: ATTERBERG LIMITS: LIQUID LIMIT (%)	ATTERBERG LIMITS: PLASTICITY INDEX (%)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	BLOWS/FT. CASING
0									17 32 35 24 21
5									40 – 44 67 –
10									124 114 – – –
15									– 130 – 96
20	S&H S&H	4"/4" 6"/0"							
25									
30									
35									
40									
45									
50									
55									
60									
65									
70									
75									
80									

SAMPLES

SYMBOLS		DESCRIPTION
	SW	BROWN, FINE TO MEDIUM SAND, SOME GRAVEL AND COBBLES, MOIST
	SM	BROWN, SILTY, FINE TO MEDIUM SAND, SOME GRAVEL AND COBBLES, MOIST
	GW/GP	BROWN, SANDY GRAVEL, ABUNDANT COBBLES AND TRACE SILT, VERY MOIST TO WET
	GP/GC	BROWN, SANDY GRAVEL, ABUNDANT COBBLES AND SOME CLAY, LOW TO MEDIUM PLASTICITY, MOIST

BORING COMPLETED AT 19.5 FEET ON 2/5/92.
PERCHED WATER LEVELS RECORDED AT 8 AND 16 FEET ON 2/5/92.
BORING COMPLETED AS MONITOR WELL ON 2/5/92.

LOG OF BORING

Figure 2
D&M JOB#16177-005-022

BORING DM-3

SAMPLES				LABORATORY TEST DATA					
SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	NUMBER OF RINGS	TESTS REPORTED ELSEWHERE	ATTERBERG LIMITS: LIQUID LIMIT (%)	ATTERBERG LIMITS: PLASTICITY INDEX (%)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	BLOWS/FT. CASING	
								1 1 29 21 20	0
								38 52 1 34	5
S&H	6"/0"								
									10
									15
									20
									25
									30
									35
									40
									45
									50
									55
									60
									65
									70
									75
									80

SYMBOLS		DESCRIPTION
	SW	BROWN, GRAVELLY, FINE TO MEDIUM SAND, TRACE SILT AND COBBLES, MOIST
	SM	BROWN, SILTY, FINE TO MEDIUM SAND, SOME GRAVEL AND COBBLES, MOIST
	GW/GP	BROWN, SANDY GRAVEL, ABUNDANT COBBLES, VERY MOIST TO WET

BORING COMPLETED AT 10 FEET ON 2/5/92.
PERCHED WATER LEVEL RECORDED AT 8 FEET ON 2/5/92.
BORING COMPLETED AS MONITOR WELL ON 2/5/92.

LOG OF BORING

Figure 3
D&M JOB#16177-005-022

BORING DM-4

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	NUMBER OF RINGS	TESTS REPORTED ELSEWHERE	LABORATORY TEST DATA: ATTERBERG LIMITS — LIQUID LIMIT (%)	ATTERBERG LIMITS — PLASTICITY INDEX (%)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	BLOWS/FT. CASING	SAMPLES
								15	
								14	
								–	
								23	
								26	
								25	
								30	
								22	
								21	
								18	
								18	
								27	
								37	
								39	
								25	
								17	
								11	
								17	
								21	
								37	
								43	
								17	
								18	
								27	
								35	
								29	
								27	
								37	
								45	
								53	
								208	
								120	
								95	
								246	
								130	
								140	
								84	
								62	
								84	
								83	
								110	
								–	
								76	
								124	
								92	
								50	▽
								54	

0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80

SYMBOLS	DESCRIPTION
SM	DARK BROWN TO BROWN, SILTY, FINE TO MEDIUM SAND, MOIST
SP/SM	BROWN, FINE TO MEDIUM SAND, SOME GRAVEL, TRACE SILT AND COBBLES, MOIST INCREASE IN GRAVEL AND COBBLES SOME COARSE SAND BROWN, GRAVELLY, FINE TO MEDIUM SAND, SOME COBBLES AND TRACE SILT, MOIST
GW/GP	BROWN, SANDY, FINE TO COARSE GRAVEL, ABUNDANT COBBLES AND TRACE SILT, MOIST
GP/GC	BROWN, SANDY GRAVEL, ABUNDANT COBBLES AND SOME CLAY, LOW TO MEDIUM PLASTICITY, MOIST BECOMES WET

BORING COMPLETED AT 51.5 FEET ON 2/6/92.
GROUND-WATER LEVEL RECORDED AT 50 FEET ON 2/6/92.
BORING BACKFILLED WITH CUTTINGS.

LOG OF BORING

Figure 4
D&M JOB#16177-005-022

BORING DM-5

SAMPLER TYPE / INCHES DRIVEN / INCHES RECOVERED	NUMBER OF RINGS	TESTS REPORTED ELSEWHERE	LABORATORY TEST DATA: ATTERBERG LIMITS — LIQUID LIMIT (%)	ATTERBERG LIMITS — PLASTICITY INDEX (%)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	BLOWS/FT. CASING	SAMPLES	SYMBOLS	DESCRIPTION
0							–		SM	BROWN, SILTY, FINE TO MEDIUM SAND, TRACE GRAVEL, MOIST
							14			
							16			
							20			
5							–		SP/SM	BROWN, FINE TO MEDIUM SAND, SOME GRAVEL, TRACE SILT AND COBBLES, MOIST
							–			
							17			INCREASE IN GRAVEL AND COBBLES
							31			
							34			
							20			
10							26			
							38			
							45			
							45			
							42			
15							33			
							35			
							7			
							6			
							5			
20							40		GW/GP	BROWN, SANDY GRAVEL, ABUNDANT COBBLES AND TRACE SILT, MOIST
							132			
							310			
							295			
							60			
25							18		SW	BROWN, GRAVELLY, FINE TO COARSE SAND, TRACE COBBLES, MOIST
							42			
							85		GP/GM	BROWN, SANDY GRAVEL, ABUNDANT COBBLES AND SOME SILT, MOIST
							59			
30							–			
							108			
							100			
							54			
							46			
							83			
35							66			
							107			
							79			
							18			
							40			
40							83			
							–			
							180			
							44			
							45			
45							77			
							36			
							63			
							74			
							60			
50							92			
							70			
							78			
							95			
							118			
55							93		GP/GC	BROWN, SANDY GRAVEL, ABUNDANT COBBLES, SOME SILT AND CLAY, LOW TO MEDIUM PLASTICITY, MOIST
							–			
							–			
							–			
60							89			
							97			
65										
70										
75										
80										

BORING COMPLETED AT 61 FEET ON 2/6/92.
NO GROUNDWATER ENCOUNTERED.
BORING BACK FILLED WITH CUTTINGS.

LOG OF BORING

Figure 5

D&M JOB#16177-005-022

BORING DM-6

Depth	SAMPLES: SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	NUMBER OF RINGS	LABORATORY TEST DATA: TESTS REPORTED ELSEWHERE	ATTERBERG LIMITS: LIQUID LIMIT (%)	ATTERBERG LIMITS: PLASTICITY INDEX (%)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	BLOWS/FT. CASING
0									5
									12
									12
									11
5									–
									–
									5
									9
									12
10									12
									23
									19
									12
									21
15									24
									29
									28
									35
									47
20									35
									36
									54
									53
									90
25									65
									70
									144
									57
									–
30									43
									53
									80
									77
									63
35									120
									122
									–
									185
									99
40									–
									–
									119
									135
									84
45									59
									67
									56
									74
									72
50									52
									58
									45
									43
	S&H	8"/0"							–
55									–
									54
									66
									71
									–
60									
65									
70									
75									
80									

SAMPLES

SYMBOLS		DESCRIPTION
	SM	LIGHT BROWN, SILTY, FINE SAND, TRACE GRAVEL, SLIGHTLY MOIST
	SP/ SM	BROWN, GRAVELLY, FINE TO MEDIUM SAND, TRACE SILT AND COBBLES, MOIST
		INCREASE IN COBBLES
	GW/ GP	BROWN, SANDY GRAVEL, ABUNDANT COBBLES AND TRACE SILT, MOIST
		SLIGHT INCREASE IN SILT
	GP/ GM	BROWN, SANDY GRAVEL, ABUNDANT COBBLES AND SOME SILT, TRACE CLAY, MOIST
		INCREASE IN CLAY CONTENT
	GP/ GC	BROWN, SANDY GRAVEL, ABUNDANT COBBLES AND SOME CLAY, LOW TO MEDIUM PLASTICITY, MOIST

BORING COMPLETED AT 60 FEET ON 2/6/92.
NO GROUNDWATER ENCOUNTERED.
BORING BACKFILLED WITH CUTTINGS.

LOG OF BORING

Figure 6

D&M JOB#16177-005-022

BORING DM-7

SAMPLES										
	SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	NUMBER OF RINGS	TESTS REPORTED ELSEWHERE	LABORATORY TEST DATA: ATTERBERG LIMITS — LIQUID LIMIT (%)	ATTERBERG LIMITS — PLASTICITY INDEX (%)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	BLOWS/FT. CASING	SYMBOLS / DESCRIPTION
0									–	SW — BROWN, FINE TO COARSE SAND, SOME GRAVEL AND COBBLES, MOIST
									15	
									15	
									15	
									13	
5									12	
									15	
									10	
									12	
									14	
10									–	GW/GP — BROWN, SANDY GRAVEL, ABUNDANT COBBLES AND TRACE SILT, MOIST
									–	
									34	
									35	
									34	
15									22	
									24	
									22	
									–	
									–	
20									–	
									–	
									116	
									68	
									67	
25									23	
									59	
									65	
									–	
									–	
30									–	
									84	
									60	
									47	
									83	
35									83	GP/GC — BROWN, SANDY GRAVEL, ABUNDANT COBBLES AND SOME CLAY, LOW TO MEDIUM PLASTICITY, MOIST
									75	
									82	SLIGHT INCREASE IN CLAY CONTENT
									56	
									91	
40									–	
									–	
									–	
									74	INCREASE IN CLAY CONTENT
45									50	
									89	
									–	
									–	
									49	
50									55	
									50	
									–	
									115	
									95	
55									79	BORING COMPLETED AT 56.5 FEET ON 2/6/92. NO GROUNDWATER ENCOUNTERED. BORING BACKFILLED WITH CUTTINGS.
60										
65										
70										
75										
80										

LOG OF BORING

Figure 7

D&M JOB#16177-005-022

BORING DM-8

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	NUMBER OF RINGS	TESTS REPORTED ELSEWHERE	ATTERBERG LIMITS: LIQUID LIMIT (%)	ATTERBERG LIMITS: PLASTICITY INDEX (%)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	BLOWS/FT. CASING
								7
								16
								18
								19
								21
								32
								27
								70
								105
								84
								107
								83
								57
								–
								82
								177
								–
								21
								25
								22
								61
								40
								40
								–
								63
								84
								78
								47
								80
								53
								53
								33
								84
								101
								214
								259
								91
								70
								80
								37
								50
								67
								80
								70
								58
								64
								–
								84
								72
								62
								77
								93
								87
								83
								112
								–
								66
								78
								72
								–

LABORATORY TEST DATA

SAMPLES

SYMBOLS	DESCRIPTION
SM	BROWN, SILTY SAND, SOME GRAVELS AND TRACE COBBLES COBBLES, MOIST
GW/GP	LIGHT BROWN TO BROWN, SANDY, FINE TO COARSE GRAVEL, ABUNDANT COBBLES AND TRACE SILT, MOIST
SW	BROWN, FINE TO COARSE SAND, SOME GRAVEL AND TRACE COBBLES, MOIST
GW/GP	BROWN, SANDY GRAVEL, ABUNDANT COBBLES AND TRACE SILT, MOIST
GP/GC	BROWN, SANDY GRAVEL, ABUNDANT COBBLES AND SOME CLAY, MEDIUM PLASTICITY, MOIST

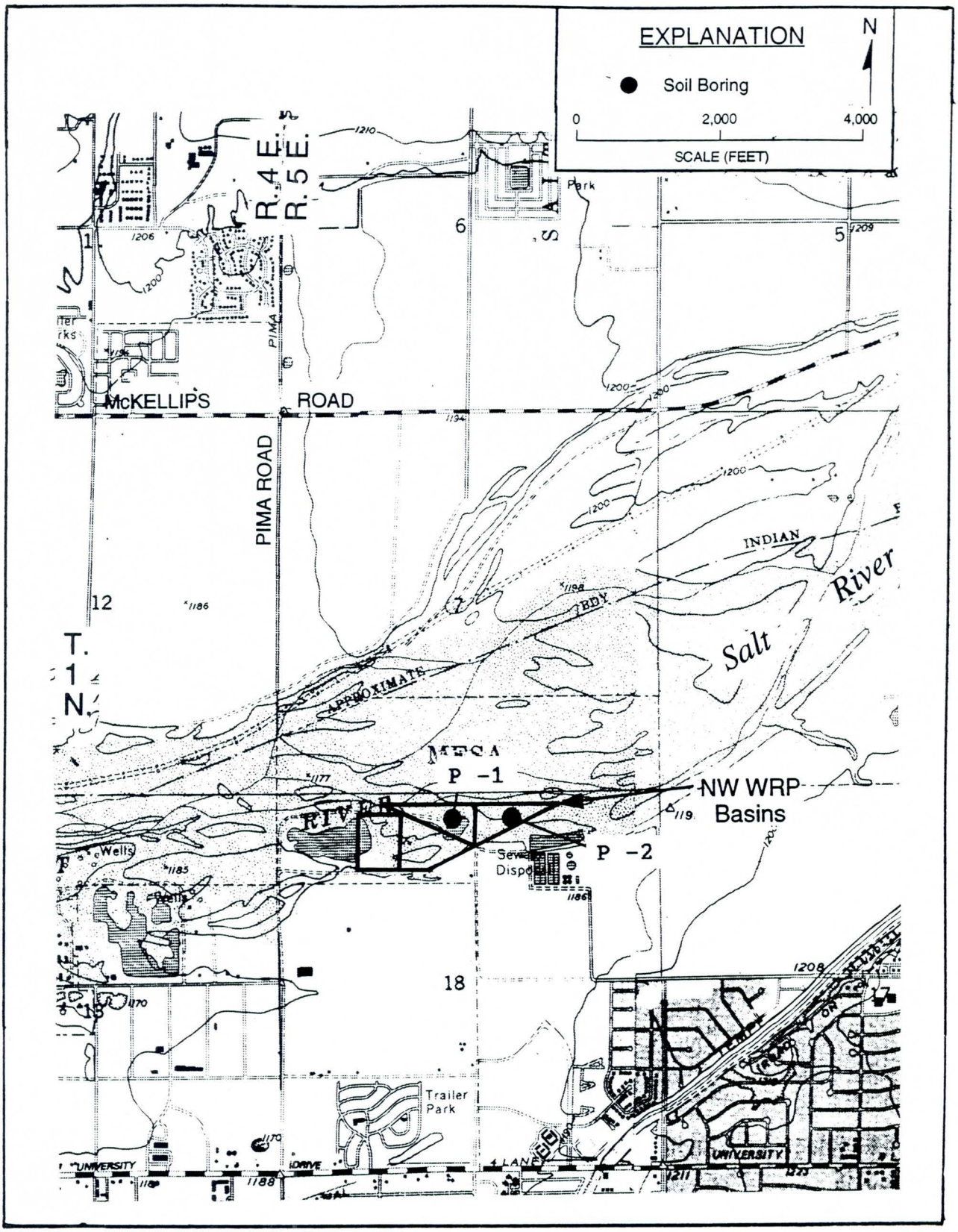
BORING COMPLETED AT 60 FEET ON 2/7/92.
NO GROUNDWATER ENCOUNTERED.
BORING BACKFILLED WITH CUTTINGS.

LOG OF BORING

Figure 8

D&M JOB#16177-005-022

SOIL BORINGS FOR CITY OF MESA NW WRP
NEW PERCOLATION PONDS (NOVEMBER 1994)



LOCATION OF SOIL BORINGS FOR CITY OF MESA
NW WRP NEW PERCOLATION PONDS (NOVEMBER 1994)

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. P-1

JOB NO. E94-124 DATE 11-1-94 Coord. N886,157 E710,504

RIG TYPE AP-1000
BORING TYPE 9 1/4" Dual Percussion Hammer
SURFACE ELEV. 1165.1'
DATUM Stanley Consultants Survey

Depth in Feet	Drill Rate Min/ft.	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0	6		-	A			2.0		slightly moist	**SANDY GRAVEL**, some to considerable cobbles, trace of silt, subangular to subrounded, uncemented to weakly lime cemented, nonplastic, light brown
	8		-							
	19		-							
	32		-						medium dense	
	37		-							
5	50		-					GW		
	86		-							
	63		-							
	44		-							
	36									
10	37									
	40									
	37									
	53									
	58		-	A					moist	**CLAYEY SAND, GRAVEL & COBBLES**, predominantly fine grained subrounded gravel, well graded subangular to subrounded sand, medium plasticity, brown
15	99		-							
	55		-							
	38		-						dense to very dense	
	34		-							
	74									note: occasional boulders from 28' to 30', 37' to 40' & 48' to 50'
20	48									
	37									
	57									
	52									
	39									
25	44		-	A			11.0			
	45		-					GP/		
	57		-					GC		
	105		-							
	75									
30	34									
	49									
	84									
	56		-	A			13.0			
	93		-							
35	87		-							
	60		-							
▽	77		-							
	158									
	121									
40	94									
	61									
	43									
	44									
	60									
45	71		-	A			13.0			
	63		-							
	91		-							
	109									
50	98									

GROUNDWATER

DEPTH	HOUR	DATE
37.0	1:12p	11-1-94

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D. 1.38" I.D. Tube Sample
U - 2" I.D. California Tube Sample
NR - No Recovery

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. P-1

JOB NO. E94-124 DATE 11-1-94 Coord. N886,157 E710,504

RIG TYPE AP-1000
BORING TYPE 9 1/4" Dual Percussion Hammer
SURFACE ELEV. 1165.1'
DATUM Stanley Consultants Survey

Depth in Feet	Drill Rate Min/ft.	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
50	66								moist to wet	CLAYEY SAND, GRAVEL & COBBLES, continued
	48									
	64									
	74							GP/	dense to very dense	
	75							GC		
55	53			A						
	55									
	44									
	39									
60										Stopped Drill at 59'6"
65										
70										
75										
80										
85										
90										
95										
100										

GROUNDWATER

DEPTH	HOUR	DATE
37.0	1:12p	11-1-94

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D. 1.38" I.D. Tube Sample.
U - 2" I.D. California Tube Sample.
NR - No Recovery

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. P-2

JOB NO. E94-124 DATE 11-1-94 Coord. N886,307 E711,183

RIG TYPE AP-1000
BORING TYPE 9 1/4" Dual Percussion Hammer
SURFACE ELEV. 1169.4'
DATUM Stanley Consultants Survey

Depth in Feet	Drill Rate Min/ft.	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0	10								slightly moist to moist	**SAND & GRAVEL**, some to considerable cobbles, some silt, well graded sand, predominantly fine grained subangular to subrounded gravel, uncemented to weakly lime cemented, nonplastic, brown
	31									
	42									
	35									
	33									
5	46		-	A					dense	
	55		-					GP/		
	59		-					GM		note: some silty sand & gravel lenses
	47		-							
	28									
10	36									
	59									
	47									
	80									
	76									
15	59		-	A			5.0			
	75		-							
	163		-							
	67		-							
	44									
20	94								moist to very moist	**SILTY SAND, GRAVEL & COBBLES**, trace to some clay, predominantly fine to medium grained sand, predominantly fine grained gravel, subangular to subrounded, low to medium plasticity, brown
	52									
	87									
	85									
	74									
25	93		-	A			12.0		dense to very dense	
	65		-							
	79		-							note: some sandy gravel lenses
	77		-							
	63									
30	38									
	66							GP/		
	56							GW		
	46									
	58									
35	52		-	A			12.0			
	39		-							
	63		-							
	59		-							
	79									
40	59									
	67									
	80									
	72									
	60									
45	39		-	A			11.0			
	61		-							
	70		-							
	43		-							
50	39									

GROUNDWATER

DEPTH	HOUR	DATE
42.0	4:13p	11-1-94

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D. 1.38" I.D. Tube Sample.
U - 2" I.D. California Tube Sample
NR - No Recovery

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. P-2

JOB NO. E94-124 DATE 11-1-94 Coord. N886,307 E711,183

RIG TYPE AP-1000
BORING TYPE 9 1/4" Dual Percussion Hammer
SURFACE ELEV. 1169.4'
DATUM Stanley Consultants Survey

Depth in Feet	Drill Rate Min/ft.	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
50	72								very moist	SILTY SAND, GRAVEL & COBBLES, continued
	43									
	33									
	47							GP/		
	55							GW		
55	67			A						
	51									
	67									
	79									
60										Stopped Drill at 59'6"
65										
70										
75										
80										
85										
90										
95										
100										

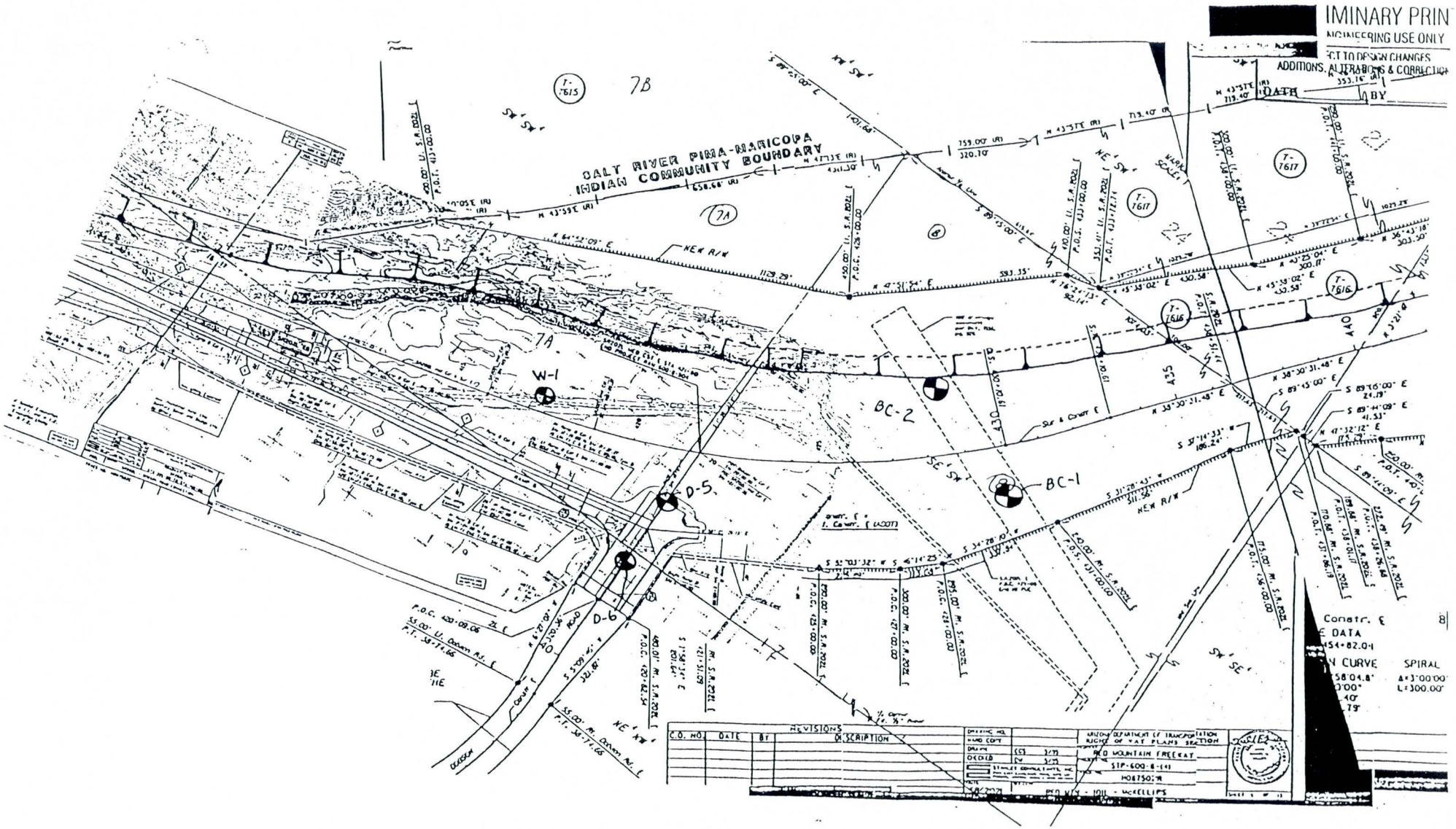
GROUNDWATER

DEPTH	HOUR	DATE
42.0	4:13p	11-1-94

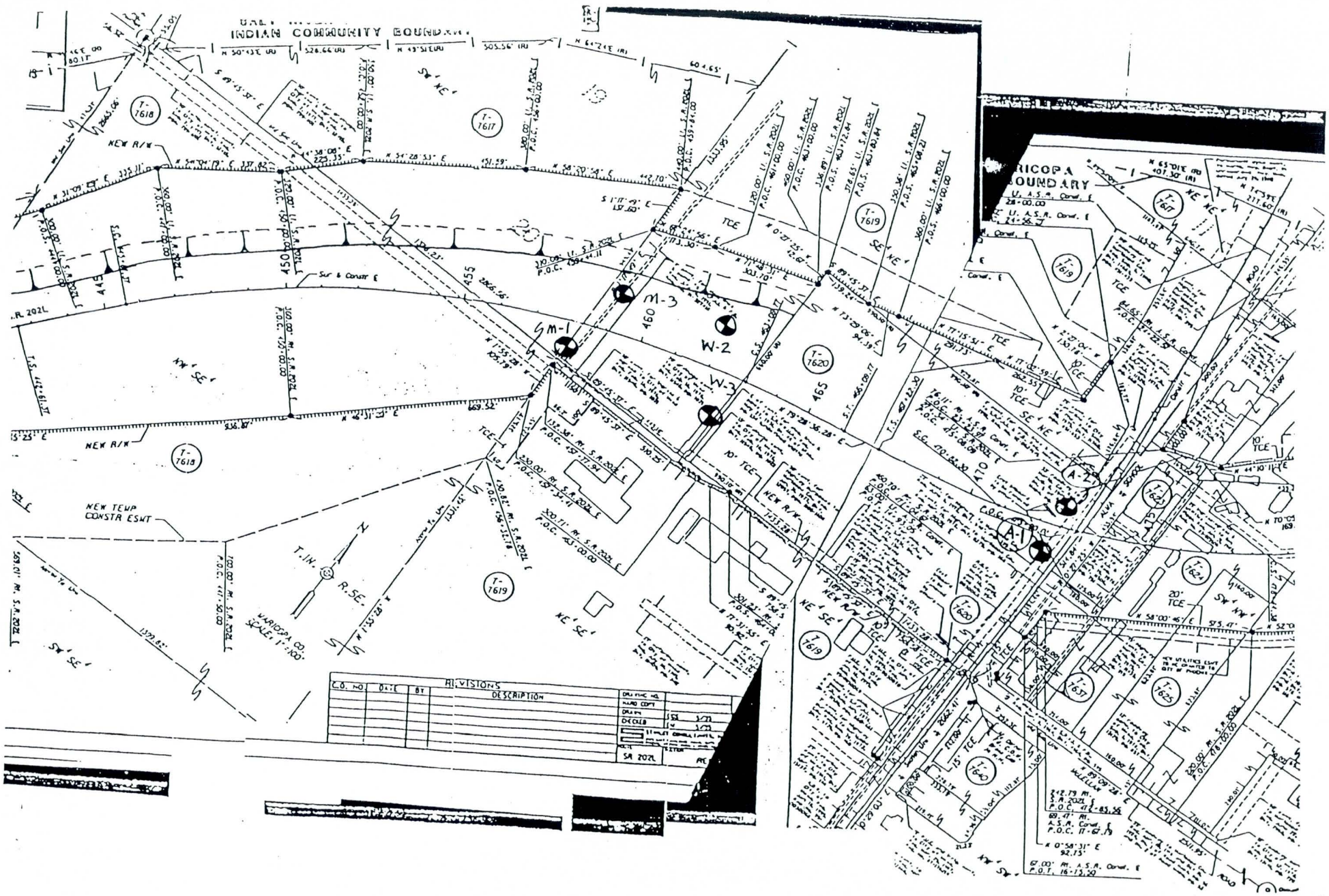
SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D. 1.38" I.D. Tube Sample.
U - 2" I.D. California Tube Sample.
NR - No Recovery

ADOT SOIL BORINGS FOR RED MOUNTAIN FREEWAY
FROM DOBSON ROAD TO ALMA SCHOOL ROAD
(DECEMBER 1994-APRIL 1995)



LOCATION OF SOIL BORINGS FOR RED MOUNTAIN FREEWAY
FROM DOBSON ROAD TO ALMA SCHOOL ROAD,
(DECEMBER 1994-APRIL 1995)



LOCATION OF SOIL BORINGS FOR RED MOUNTAIN FREEWAY
FROM DOBSON ROAD TO ALMA SCHOOL ROAD,
(DECEMBER 1994-APRIL 1995)

Dobson to Alma School

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. D-5

JOB NO. E94-124 DATE 4-26-95 Location: Sta. 422+10, 70' L of centerline

RIG TYPE AP-1000
BORING TYPE 9 3/4" Dual Wall Percussion Hammer
SURFACE ELEV. 1194.84'
DATUM Stanley Consultants Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0	7								slightly moist to moist loose to very dense	**CLAYEY SAND**, some silt & trace of fine grained gravel, poorly graded, weakly lime cemented, medium plasticity, brown note: decreasing clay below 9'
	18									
	29									
	32									
	25									
5	37									
	43		-	A						
	49		-							
	40		-					SC		
	49		-							
10	38		-							
	35		-							
	24		-							
	22		-							
	21		-							
15	22		-							
	32									
	35								moist dense to very dense	**SANDY GRAVEL**, some silt, considerable cobbles, poorly graded, subrounded to subangular sand & gravel, nonplastic, brown note: maximum estimated particle size of 12"
	45									
	39			S	8-23-					
20	20				50					
	83									
	24									
	29									
	59									
25	65							GP		
	46									
	53									
	45									
	50									
30	17		-	A						
	31		-							
	33		-							
	41		-							
	36		-							
35	85		-						moist very dense	**SAND, GRAVEL & COBBLES**, trace of boulders, clay & silt, poorly graded, subrounded to subangular sand & gravel, nonplastic, brown
	68		-							
	83		-							
	61		-							
	40									
40	67									
	44									
	47							GP		
	70									
	37									
45	106		-	A						
	83		-							
	64		-							
	79		-							
50	70		-							

GROUNDWATER

DEPTH	HOUR	DATE
79.0	11:00a	4-24-95

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample.
U - 3" O.D., 2.42" I.D. Tube Sample.
NR - No Recovery
T - Thin Walled Shelby Tube

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. D-5

JOB NO. E94-124 DATE 4-26-95 Location: Sta. 422+10, 70' L of centerline

RIG TYPE AP-1000
BORING TYPE 9 3/4" Dual Wall Percussion Hammer
SURFACE ELEV. 1194.84'
DATUM Stanley Consultants Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
50	62								moist to wet very dense	SAND, GRAVEL & COBBLES, continued note: decreasing clay below 85' note: some thin clay lenses from 95' to 106'
	50									
	30									
	32									
55	32									
	23									
	46									
	47									
	72									
	109									
60	84			A						
	75									
	99									
	75									
	84									
65	93									
	76									
	84									
	73									
	82									
70	63									
	37									
	78									
	68									
	71									
75	77			A				GP		
	59									
	90									
▽	84									
	56									
80	50									
	57									
	53									
	60									
	58									
85	55									
	42									
	51									
	62									
	57									
90	60									
	78									
	51									
	40									
	42									
95	40			A						
	23									
	74									
	88									
100										

GROUNDWATER

DEPTH	HOUR	DATE
▽ 79.0	11:00a	4-24-95
▽		
▼		

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample
U - 3" O.D., 2.42" I.D. Tube Sample
NR - No Recovery
T - Thin Walled Shelby Tube

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. A-1

JOB NO. E94-124 DATE 1-9-95 Location: Sta. 471+82, 66' R of centerline

RIG TYPE AP-1000
BORING TYPE 9 3/4" Dual Wall Percussion Hammer
SURFACE ELEV. 1206.68'
DATUM Stanley Consultants Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
50	66								moist to wet	SAND, GRAVEL & COBBLES, continued
	55									
	36									
	53								very dense	note: increase in clay, below 55'
	65									
55	69		-	A						note: maximum estimated particle size of 24"
	54		-							
	47		-							
	46		-							
	67		-	S	12-					
60	88				50/6"					
	64									
	59									
	38									
	69									
65	89		-	A				GP-		
	92		-					GC		
	146		-							
	93		-							
	90		-							
70	85									
	60									
	62									
	52									
	94									
75	89									
	103									
	98									
	107									
	92									
80	88		-	A						
	122		-							
	75		-							
	82		-							
	77		-							
85	79									
	73									
	88									
	67									
	84									
90	92		-	A						
	109		-							
	102		-							
	111		-							
	94		-							
95	80		-							
	88		-							
	78		-							
	74		-							
100	68									

GROUNDWATER

DEPTH	HOUR	DATE
99.0	4:00p	1-9-95

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample.
U - 3" O.D., 2.42" I.D. Tube Sample.
NR - No Recovery
T - Thin Walled Shelby Tube

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. A-1

JOB NO. E94-124 DATE 1-9-95 Location: Sta. 471+82, 66' R of centerline

RIG TYPE AP-1000
BORING TYPE 9 3/4" Dual Wall Percussion Hammer
SURFACE ELEV. 1206.68'
DATUM Stanley Consultants Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
100	59		-	A					moist to wet	SAND, GRAVEL & COBBLES, continued
	70		-							
	95		-						very dense	
	94		-							
			-							
105	59		-					GP-GC		
	66		-							
	85		-							
	99		-							
	79		-							
110	83		-	A						
	55		-							
	48		-							
	79		-							
	94		-							
115										Stopped Drill at 115'
120										
125										
130										
135										
140										
145										
150										

GROUNDWATER

DEPTH	HOUR	DATE
99.0	4:00p	1-9-95

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample
U - 3" O.D., 2.42" I.D. Tube Sample
NR - No Recovery
T - Thin Walled Shelby Tube

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. A-2

JOB NO. E94-124 DATE 1-9-95 Location: Sta. 472+35, 68' L of centerline

RIG TYPE AP-1000
BORING TYPE 9 3/4" Dual Wall Percussion Hammer
SURFACE ELEV. 1206.44'
DATUM Stanley Consultants Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0	16			A					moist	Man-made FILL
	8									**SAND & GRAVEL**, some to
	6								loose to	considerable cobbles, clay, silt &
	8								very dense	conctruction debris consisting of
	4									concrete, asphaltic concrete, trace of
5	6									wood & metal, low plasticity to
	4									nonplastic, brown to gray
	6									
	4									
	6									
10	4			A				GP-		
	7							GC		
	9									
	10									
	11									
15	12			A						
	11									
	14									
	19									
	18									
20	16									
	15									
	13									
	17									
	19									
25	36			A						
	25									
	23									
	18									
	19									
30	17									
	24									
	30									
	40									
	62									
35	58									
	21									
	83									**SAND, GRAVEL & COBBLES**, some
	66									silt, trace of boulders, poorly graded,
	60								slightly	subrounded to rounded, nonplastic,
40	63			A					moist	light brown
	115								to wet	
	96							GP		
	89								very dense	
	90									
45	96			A						
	98									
	78									
	130									
50	47									

GROUNDWATER

DEPTH	HOUR	DATE
100.0	11:30a	1-9-95

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample
U - 3" O.D., 2.42" I.D. Tube Sample
NR - No Recovery
T - Thin Walled Shelby Tube

AGRA EARTH & ENVIRONMENTAL INC.

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. A-2

JOB NO. E94-124 DATE 1-9-95 Location: Sta. 472+35, 68' L of centerline

RIG TYPE AP-1000
BORING TYPE 9 3/4" Dual Wall Percussion Hammer
SURFACE ELEV. 1206.44'
DATUM Stanley Consultants Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
50	75								slightly moist to wet	SAND, GRAVEL & COBBLES, continued
	58									
	68									note: maximum estimated particle size of 24"
	64								very dense	
	52									note: increase in low to medium plasticity clay below 50'
55	65									
	62									
	53									
	43				30-23-					
	38			S	42					
60	34			A						
	79		-							
	64		-							
	50		-							
	55		-							
65	59							GP-		
	60							GC		
	102									
	888									
	91									
70	51									
	58									
	74									
	80									
	85									
75	69		-	A						
	53		-							
	59		-							
	70		-							
	54		-							
80	68		-							
	70		-							
	66		-							
	69		-							
	63		-							
85	57									
	54									
	59									
	70									
	85									
90	43									
	49									
	25									
	33									
	46									
95	54		-	A						
	68		-							
	80		-							
	62		-							
▽100	45		-							

GROUNDWATER

DEPTH	HOUR	DATE
100.0	11:30a	1-9-95

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample
U - 3" O.D., 2.42" I.D. Tube Sample
NR - No Recovery
T - Thin Walled Shelby Tube

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. A-2

JOB NO. E94-124 DATE 1-9-95 Location: Sta. 472+35, 68' L of centerline

RIG TYPE AP-1000
BORING TYPE 9 3/4" Dual Wall Percussion Hammer
SURFACE ELEV. 1206.44'
DATUM Stanley Consultants Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
100	10			A					wet	SAND, GRAVEL & COBBLES, continued
	12									
	17								medium dense to very dense	
	25									note: increase in sand & decrease in gravel & cobbles from 100' to 103'
	66									
105	21							GP-GC		
	35									
	53									
	44				6-24-					
	39			S	23					
110	76			A						
	70									
	39									
	44									
	62									
115										Stopped Drill at 115'
120										
125										
130										
135										
140										
145										
150										

GROUNDWATER

DEPTH	HOUR	DATE
100.0	11:30a	1-9-95

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample.
U - 3" O.D., 2.42" I.D. Tube Sample.
NR - No Recovery
T - Thin Walled Shelby Tube

AGRA EARTH & ENVIRONMENTAL INC.

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. M-1

JOB NO. E94-124 DATE 12-18-94 Location: Sta. 457+76, 92' R of centerline

RIG TYPE AP-1000
BORING TYPE 9 3/4" Dual Wall Percussion Hammer
SURFACE ELEV. 1198.02'
DATUM Stanley Consultants Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0	11			A					moist	Man-made FILL
	24									**SANDY SILT**, medium to fine grained
	23								moderately	sand, oocasional fine grained
	29								firm to	subrounded to subangular gravel, some
	23								hard	lime, nonplastic, brown
5	16							ML		
	19									
	28									
	21									
	34									
10	39			A						
	40									
	46									
	63									**SAND, GRAVEL & COBBLES**, trace
15	74									of silt & boulders, well graded,
	67								slightly	subrounded to rounded, nonplastic,
	71								moist to	brown
	66								moist	
	60									
	32								very dense	note: maximum estimated particle size
20	52									of 18"
	33									
	107									
	33									
	82			A						
25	50							GW		
	33									
	49									
	88									
	128									
30	78			A						
	118									
	79									
	84									
	77									
35	155									
	164									
	117									
	69									
	81									
40	96									
	79									
	74									
	78									
	60									**SAND, GRAVEL & COBBLES**, some
45	40			A			2		moist to	clay, trace of boulders, poorly graded,
	50							GP-	very moist	subrounded, low to medium plasticity,
	67							GC		brown, note: maximum estimated
	45								very dense	particle size of 36"
50	87									

GROUNDWATER

DEPTH	HOUR	DATE
88.0	10:36a	12-18-94

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample
U - 3" O.D., 2.42" I.D. Tube Sample
NR - No Recovery
T - Thin Walled Shelby Tube

AGRA EARTH & ENVIRONMENTAL INC.

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. M-1

JOB NO. E94-124 DATE 12-18-94 Location: Sta. 457 + 76, 92' R of centerline

RIG TYPE AP-1000
BORING TYPE 9 3/4" Dual Wall Percussion Hammer
SURFACE ELEV 1198.02'
DATUM Stanley Consultants Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
50	101								very moist to wet	SAND, GRAVEL & COBBLES, continued
	56									
	62									
	70								very dense	
	53									
55	23		-	A						
	35		-							
	107		-							
	90		-							
	69									
60	76									
	64									
	96									
	49									
	127									
65	49		-	A				GP-		
	106		-					GC		
	54		-							
	57		-							
	106									
70	78									
	50									
	65									
	62									
	84									
75	50		-	A						
	90		-							
	109		-							
	70		-							
	130		-							
80	157									
	104									
	102									
	36									
	87									
85	39		-	A			1			
	31		-							
▽	105		-							
	70		-							
	70									
90	55									
	26									
	90									
	112									
	145									
95	100		-	A						
	80		-							
	84		-							
	24		-							Stopped Drill at 99'
100										

GROUNDWATER

	DEPTH	HOUR	DATE
▽	88.0	10:36a	12-18-94
▼			

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample.
U - 3" O.D., 2.42" I.D. Tube Sample.
NR - No Recovery
T - Thin Walled Shelby Tube

AGRA EARTH & ENVIRONMENTAL INC.

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. M-3

JOB NO. E94-124 DATE 12-17-94 Location: Sta. 459+61, 86' L of centerline

RIG TYPE AP-1000
BORING TYPE 9 3/4" Dual Wall Percussion Hammer
SURFACE ELEV. 1198.65'
DATUM Stanley Consultants Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0	63			A			8		moist	Man-made FILL
	45									**SAND & GRAVEL**, trace of silt,
	23								very dense	poorly graded, subrounded to rounded,
	15								to medium	nonplastic, brown
	15								dense	
5	13									
	18							SP-		
	14							SM		
	17									
	15									
10	20			A						
	34									
	27									
	24									
	21									
15	18									
	20									
	16									
	19									
	9									
20	9			A					moist	**SAND**, trace of gravel, predominantly
	10									fine to medium grained, subrounded to
	10								loose to	subangular, nonplastic, brown
	10							SP	medium	
	11								dense	note: possible man-made fill
25	10									
	13									
	16									
	15									
	4									
30	6									
	17									
	43									
	52									**SAND, GRAVEL & COBBLES**, trace
	144								moist	of silt & boulders, poorly graded,
35	80			A						subrounded, nonplastic, brown
	96								very dense	
	44									note: trace of clay below 40'6"
	35									
	46									note: maximum estimated particle size
40	101							GP		of 24"
	90									
	54									
	59									
	65									
45	94			A						
	101									
	56									
	54									
50	32									

GROUNDWATER

DEPTH	HOUR	DATE
88.1	4:10p	12-17-94

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample
U - 3" O.D., 2.42" I.D. Tube Sample
NR - No Recovery
T - Thin Walled Shelby Tube

AGRA EARTH & ENVIRONMENTAL INC

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. M-3

JOB NO. E94-124 DATE 12-17-94 Location: Sta. 459 + 61, 86' L of centerline

RIG TYPE AP-1000
BORING TYPE 9 3/4" Dual Wall Percussion Hammer
SURFACE ELEV. 1198.65'
DATUM Stanley Consultants Survey

Depth in Feet	Continuous Penetration Resistance	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
50	44							GP		SAND, GRAVEL & COBBLES, continued
	67									
	84									SAND, GRAVEL & COBBLES, trace to some boulders, poorly graded, subrounded to rounded, low to medium plasticity, brown
	66									
	80								very moist to wet	
55	57			A						
	106								very dense	
	64									
	94									
	101			S	50/					
60	117				5 1/2"					
	108									
	110									
	96									
	87									
65	88			A			15	GP-GC		
	43									
	65									
	85									
	69									
70	99									
	71									
	65									
	109									
	43									
75	64			A						
	104									
	114									
	107									
	44									
80	125									
	133									
	117									
	89									
	90									
85	90			A						
	54									
	45									
▽	35									
	28									
90	29									
	58									
	51									
	52									
	58									
95	10			A						
	32									
	79									
	48									Stopped Drill at 99'
100										

GROUNDWATER

DEPTH	HOUR	DATE
88.1	4:10p	12-17-94

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample
U - 3" O.D., 2.42" I.D. Tube Sample
NR - No Recovery
T - Thin Walled Shelby Tube

AGRA EARTH & ENVIRONMENTAL INC.

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. W-1

JOB NO. E94-124 DATE 2-7-95 & 3-1-95

Location: Sta. 417+30, 60' L

RIG TYPE: CME-75 & AP-1000

BORING TYPE: 6 5/8" HSA/9 1/4" Dual Wall Percussion

SURFACE ELEV.: 1192.4'

DATUM: Stanley Consultants Survey

Depth in Feet	Blows Per Foot	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0	2			S	4-5-5				slightly moist	**SANDY SILT**, nonplastic, brown
	2									
	17			S	9-7-6					
	15								moderately firm to hard	
	17			S	10-10-11			ML		
5	24									
	14									
	22									
	23									
	15			S	50/5"					
10	20								slightly moist	**SAND & GRAVEL**, some to considerable cobbles, some silt & trace of clay, poorly graded, nonplastic, grayish brown
	23									
	27									
	21									
	16			S	17-31-50/5"			GP-GM	very dense	
15	17									
	28									
	27									
	23									
	77			S	50/2"					
20	92								slightly moist	**SAND, GRAVEL & COBBLES**, trace of silt, clay & occasional boulders, poorly graded, nonplastic, brown
	29									
	21									
	68									
	35								very dense	note: estimated particle size of 18"
25	52									
	49									
	112		-	A						
	54		-							
	106									
30	59							GP		
	20									
	15									
	42									
	54									
35	64									
	79									
	106		-	A						
	33		-							
	76									
40	53									
	58								slightly moist	**CLAYEY SAND, GRAVEL & COBBLES**, some silt & boulders, poorly graded, low to medium plasticity, brown
	94									
	109									
	91							GC-GP	very dense	
45	121									
	53									
	52		-	A						
	35		-							
50	60									

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample
U - 3" O.D., 2.42" I.D. Tube Sample
NR - No Recovery
T - Thin Walled Shelby Tube

AGRA EARTH & ENVIRONMENTAL INC

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. W-1

JOB NO. E94-124 DATE 2-7-95 & 3-1-95 Location: Sta. 417+30, 60' L

RIG TYPE CME-75 & AP-1000
BORING TYPE 6 5/8" HSA/9 1/4" Dual Wall Percussion
SURFACE ELEV. 1192.4'
DATUM Stanley Consultants Survey

Depth in Feet	Blows Per Foot	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
50	84									CLAYEY SAND, GRAVEL & COBBLES, continued
	64									
	58							GC-GP		
	84									
	51									
55	81									
	80									
	82		-	A						
	81		-							
				S	29-50/2"					Stopped Drilling at 59' Sampler refused at 59'8"
60										
65										
70										
75										
80										
85										
90										
95										
100										

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample
U - 3" O.D., 2.42" I.D. Tube Sample
NR - No Recovery
T - Thin Walled Shelby Tube

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. W-2

JOB NO. E94-124 DATE 2-28-95

Location: Sta. 462+00, 100' L
RIG TYPE AP-1000
BORING TYPE 9 1/4" Dual Wall Percussion
SURFACE ELEV. 1195.0'
DATUM

Depth in Feet	Blows Per Foot	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0	15								slightly moist	Man-made FILL
	21									**SAND & GRAVEL**, trace of clay & silt, some cobbles, poorly graded, nonplastic, brown to dark brown
	53									
	29								medium dense to dense	
	25									
5	18									note: considerable construction debris including concrete from 10' to 19'
	12									
	11		-	A						
	12		-							
	10			S	9-8-6		11			
10	5							SP		
	6									
	7									
	9									
	13									
15	17									
	15									
	12		-	A						
	8		-							
	20									
20	21									
	24									
	24									
	11									
	10									
25	19									
	11									
	11									
	16									
	16			S	32-16-					
30	11				14					
	29									
	36									**SAND, GRAVEL & COBBLES**, some clay, occasional boulders, poorly graded, nonplastic to low plasticity, brown
	54								moist	
	32									
35	47								dense to very dense	
	77									
	107		-	A						note: maximum estimated particle size of 18"
	84		-							
	61									
40	59							GP		
	62									
	58									
	32									
	57									
45	49									
	34									
	30		-	A						
	101		-		8-21-					
50	58			S	50/1"					

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample.
U - 3" O.D., 2.42" I.D. Tube Sample.
NR - No Recovery
T - Thin Walled Shelby Tube

AGRA EARTH & ENVIRONMENTAL INC.

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. W-2

JOB NO. E94-124 DATE 2-28-95

Location: Sta. 462+00, 100' L

RIG TYPE AP-1000
BORING TYPE 9 1/4" Dual Wall Percussion
SURFACE ELEV. 1195.0'
DATUM

Depth in Feet	Blows Per Foot	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
50	53								very dense	SAND, GRAVEL & COBBLES, continued
	94									
	56									note: some boulders from 57' to 59'
	91									
	57									note: increase in clay at 63'
55	54		-	A						
	56		-							
	270							GP		
	195									
	69									
60	95									
	103									
	78									
	54									
	90									
65	73									
	57									
	64		-	A						
	80		-							
				S	6-9-50/1"					Stopped Drilling at 69' Sampler refused at 70'1"
70										
75										
80										
85										
90										
95										
100										

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample.
U - 3" O.D., 2.42" I.D. Tube Sample.
NR - No Recovery
T - Thin Walled Shelby Tube

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. W-3

JOB NO. E94-124 DATE 2-28-95 Location: Sta. 462+15, 125' R

RIG TYPE AP-1000
BORING TYPE 9 1/4" Dual Wall Percussion
SURFACE ELEV 1200.0'
DATUM Stanley Consultants Survey

Depth in Feet	Blows Per Foot	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0	26								slightly moist	Man-made FILL
	27									**SAND & GRAVEL**, some silt & cobbles, poorly graded, nonplastic,
	32									brown
	19								medium dense to very dense	
	35									
5	26									
	14									
	30		-	A						
	25		-							
	35									
10	41							GP		
	56									
	55									
	21									
	36									
15	24									
	22									
	27		-	A						
	28		-							
	25			S	21-30-		4			
20	22				50/2"					
	24									
	27									
	23									
	22									
25	30									
	84									
	79		-	A						
	113		-							
30	98									**SAND, GRAVEL & COBBLES**,
	42								slightly moist	occasional boulders, some silt, poorly
	39									graded, nonplastic, brown
	81									
	29									
	112									
35	69							GP		
	55									
	66		-	A						
	200		-							
	387									
40	89									
	107									
	91									**CLAYEY SAND, GRAVEL & COBBLES**, some silt, poorly graded,
	55								slightly moist to moist	medium plasticity, brown
	53									
45	78							GP-GC		
	66									
	51		-	A					very dense	
	74		-		41-					
	86		-	A	50/3"					
50										

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample
U - 3" O.D., 2.42" I.D. Tube Sample
NR - No Recovery
T - Thin Walled Shelby Tube

AGRA EARTH & ENVIRONMENTAL INC.

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. W-3

JOB NO. E94-124 DATE 2-28-95 Location: Sta. 462+15, 125' R

RIG TYPE AP-1000
BORING TYPE 9 1/4" Dual Wall Percussion
SURFACE ELEV. 1200.0'
DATUM Stanley Consultants Survey

Depth in Feet	Blows Per Foot	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
50	85								very dense	CLAYEY SAND, GRAVEL & COBBLES, continued
	75									
	75									
	138									
	83									
55	51							GC-		
	78							GP		
	63		-	A						
	70		-							
	98			S	6-28-					
60	38				32					
	48									
	31		-	A						
	42		-							
	77		-							
65										Stopped Drilling at 65' Stopped Sampler at 65'
70										
75										
80										
85										
90										
95										
100										

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample
U - 3" O.D., 2.42" I.D. Tube Sample
NR - No Recovery
T - Thin Walled Shelby Tube

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. BC-1

JOB NO. E94-124 DATE 3-1-95

Location: Sta. 429+55, 115' R

RIG TYPE AP-1000
BORING TYPE 9 1/2" Dual Wall Percussion
SURFACE ELEV. 1180.3'
DATUM Stanley Consultants Survey

Depth in Feet	Blows Per Foot	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0	7						ML	very moist	**SANDY SILT**, considerable organics, nonplastic, dark brown
	15								
	16								
	19								
	27							moist to slightly moist	**SAND, GRAVEL & COBBLES**, some silt, poorly graded, nonplastic, brown
5	17								
	23						GP-GM		
	42	-	A						
	58	-							
	46		S	50/5"		2		dense to very dense	
10	32								
	24								
	52								
	58								
	68								
15	59								
	58								
	30	-	A						
	30	-							
	30		S	33-35-50/2"					
20	32								
	69								
	83								
	36								**CLAYEY SAND, GRAVEL & COBBLES**, some silt, poorly graded, low plasticity, brown
	51							slightly moist	
25	74								
	125								
	144	-	A					very moist	note: less clay from 26'6" to 28'6"
	68	-					GC-GP		
	88								
30	84								
	44								
	44								
	58								
	53								
35	101								
	52								
	25	-	A						
	46	-							
40			S	50/3"					Stopped Drilling at 39' Sampler refused at 39'6"
45									
50									

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample
U - 3" O.D., 2.42" I.D. Tube Sample
NR - No Recovery
T - Thin Walled Shelby Tube

AGRA EARTH & ENVIRONMENTAL INC.

PROJECT Red Mountain Freeway

LOG OF TEST BORING NO. BC-2

JOB NO. E94-124 DATE 3-1-95

Location: Sta. 428+00, 190' L

RIG TYPE AP-1000

BORING TYPE 9 1/2" Dual Wall Percussion

SURFACE ELEV. 1177.8'

DATUM Stanley Consultants Survey

Depth in Feet	Blows Per Foot	Graphical Log	Sample	Sample Type	Blow Count	Dry Density lbs. per Cubic ft.	Moisture Content Percent of Dry Weight	Unified Soil Classification	REMARKS	VISUAL CLASSIFICATION
0	10								wet to slightly moist	**SAND, GRAVEL & COBBLES**, occasional silt & boulders, poorly graded, nonplastic, brown
	28									
	57									
	31									
5	34								dense to very dense	note: maximum estimated particle size of 18"
	28									
	37									
	60		-	A				GP		
	64		-							
	86			S	50/2"					
10	100									
	94									
	32									
	38									
	54									
15	91									
	161									
	98		-	A						
	75		-							
	81									
20	64									
	62								very moist to wet	**CLAYEY SAND, GRAVEL & COBBLES**, some silt, occasional boulders, poorly graded, low plasticity, brown
	66									
	66									
	55									
25	43									
	45								very dense to dense	
	26		-	A						
	68		-					GC-GP		
	80									
30	44									
	41									
	28									
	18									
	35									
35	64									
	43									
	45		-	A						
	66		-							
40				S	50/2"					Stopped Drilling at 39' Sampler refused at 39'3"
45										
50										

GROUNDWATER

DEPTH	HOUR	DATE
	none	

SAMPLE TYPE

A - Drill Cuttings
S - 2" O.D., 1.38" I.D. Tube Sample
U - 3" O.D., 2.42" I.D. Tube Sample
NR - No Recovery
T - Thin Walled Shelby Tube

AGRA EARTH & ENVIRONMENTAL INC.

APPENDIX C

WATER-LEVEL RECORDS AND SUPPLEMENTARY HYDROGRAPHS

CITY OF MESA NW WRP
WATER-LEVEL MEASUREMENTS

N.W. Monitor Well #2

Date	Depth to Water
09/12/90	87' 0"
10/23/90	95' 0"
02/27/91	94' 0"
03/06/91	94' 5"
03/22/91	90' 0"
04/12/91	79' 1"
05/16/91	71' 9"
06/13/91	73' 3"
07/19/91	76' 4"
08/14/91	77' 8"
09/06/91	78' 6"
10/15/91	78' 0"
11/13/91	78' 6"
12/11/91	79' 0"
01/16/92	72' 6"
02/14/92	63' 4"
03/12/92	58' 0"
04/09/92	54' 9"
05/14/92	52'6"
06/12/92	50' 6"
07/10/92	50' 6"
08/27/92	50' 0"
09/29/92	49' 0"
12/10/92	54' 6"
01/20/93	45' 0"
05/28/93	45" 6"
11/04/93	49' 11"
03/34/94	56' 0"
05/25/94	57' 2"
11/94	61' 5"
01/95	55' 11"
02/95	51' 3"
03/95	47' 0"
04/95	46' 6"
05/95	47' 1"
06/95	47' 4"
07/95	48' 1"
08/95	49' 1"
09/95	50' 7"
10/95	51' 5"
11/95	52' 0"
12/95	53' 9"
01/96	56' 6"

Date	Depth to Water
02/29/96	56'6"
03/28/96	56'6"
04/30/96	58'7"
05/22/96	59'6"
06/28/96	59'0"
07/09/96	57'5"
08/30/96	58'5"
09/30/96	57'0"
10/30/96	59'0"
11/21/96	61'0"
12/18/96	63'0"

WATER-LEVEL MEASUREMENTS FOR CITY OF MESA NW WRP MONITOR WELL NO. NW-2

Top of Vault : 1182.90 ft
Measuring Pt.: 1180.40 ft

CITY OF MESA
NORTHWEST WATER RECLAMATION PLANT
1997 MONITOR WELL REPORT

Monitor Well #1

DATE	Depth to Water(ft)	pH	Conductivity(ms/cm)	Temp (C)
1/1/97	N/A	N/A	N/A	N/A
2/1/97	N/A	N/A	N/A	N/A
3/1/97	N/A	N/A	N/A	N/A
4/1/97	N/A	N/A	N/A	N/A
5/1/97	N/A	N/A	N/A	N/A
6/1/97	N/A	N/A	N/A	N/A
7/1/97	N/A	N/A	N/A	N/A
8/1/97	N/A	N/A	N/A	N/A
9/1/97	N/A	N/A	N/A	N/A
10/1/97	N/A	N/A	N/A	N/A
11/4/97	58' 10"	7.34	1.41	23.3
12/1/97	58' 5"	7.04	1.43	22.4

Monitor Well #2

DATE	Depth to Water(ft)	pH	Conductivity(ms/cm)	Temp (C)
1/22/97	63' 6"	6.74	1.39	20.1
2/26/97	63' 5"	7.03	1.47	22
3/29/97	64' 0"	7.1	1.48	22.7
4/24/97	65' 0"	7.24	1.5	22.6
5/22/97	64' 4"	7.2	1.51	23.6
6/27/97	64' 0"	7.2	1.53	23.1
7/23/97	64' 3"	7.2	1.55	23.7
8/27/97	67' 0"	7.15	1.5	24.8
9/1/97	N/A	N/A	N/A	N/A
10/1/97	N/A	N/A	N/A	N/A
11/4/97	63' 10"	7.44	1.44	23.6
12/1/97	63' 10"	7.26	1.45	21.8

Monitor Well #3

DATE	Depth to Water(ft)	pH	Conductivity(ms/cm)	Temp (C)
1/22/97	70' 0"	6.79	1.38	21.5
2/26/97	67' 7"	7.05	1.4	21.1
3/29/97	68' 9"	6.88	1.39	22
4/24/97	70' 0"	7.08	1.42	25.1
5/22/97	69' 6"	7.1	1.44	22.6
6/27/97	70' 0"	7.11	1.47	22.7
7/23/97	70' 0"	7.33	1.48	23.2
8/27/97	71' 8"	7.16	1.53	25.8
9/1/97	N/A	N/A	N/A	N/A
10/1/97	N/A	N/A	N/A	N/A
11/1/97	N/A	N/A	N/A	N/A
12/1/97	N/A	N/A	N/A	N/A

CITY OF MESA
NORTHWEST WATER RECLAMATION PLANT
1997 MONITOR WELL REPORT

Monitor Well #4

DATE	Depth to Water(ft)	pH	Conductivity(ms/cm)	Temp (C)
1/22/97	73' 6"	6.81	1.36	22.8
2/26/97	71' 0"	7.01	1.4	22.2
3/29/97	72' 3"	7.05	1.41	23
4/24/97	73' 6"	7.08	1.41	22.7
5/22/97	72' 5"	7.2	1.47	23.7
6/27/97	72' 3"	7	1.49	23.9
7/23/97	72' 3"	7.1	1.5	24.2
8/27/97	74' 10"	7.05	1.51	25.7
9/1/97	N/A	N/A	N/A	N/A
10/1/97	N/A	N/A	N/A	N/A
11/4/97	71' 2"	7.08	1.4	24
12/1/97	72' 0"	7.11	1.43	22.9

CITY OF MESA
NORTHWEST WATER RECLAMATION PLANT
1998 MONITOR WELL REPORT

Monitor Well #1

DATE	Depth to Water(ft)	pH	Conductivity(ms/cm)	Temp (C)
1/5/98	56' 0"	7.14	1.429	21.4
2/3/98	56' 0"	7.2	1.409	22.7
3/2/98	51' 5"	7.15	1.442	22.2
4/1/98	50' 1"	7.16	1.382	21.6
5/1/98	45' 3"	7.24	1.427	23.4
6/2/98	45' 10"	7.11	1.406	25.9
7/6/98	46' 0"	7.06	1.363	24.4
8/5/98	46' 5"	7.01	1.365	24.5
9/3/98	N/A	N/A	N/A	N/A
10/8/98	N/A	N/A	N/A	N/A
11/25/98	N/A	N/A	N/A	N/A
12/28/98	N/A	N/A	N/A	N/A

Monitor Well #2

DATE	Depth to Water(ft)	pH	Conductivity(ms/cm)	Temp (C)
1/5/98	62' 4"	6.98	1.477	21.1
2/3/98	62' 6"	7.12	1.495	22
3/2/98	59' 6"	7.12	1.556	22.5
4/1/98	58' 0"	7.03	1.513	22.9
5/1/98	53' 5"	7.1	1.607	23.4
6/2/98	52' 5"	6.91	1.581	24.3
7/6/98	52' 6"	6.82	1.601	24.8
8/5/98	52' 9"	6.96	1.69	24.1
9/3/98	51' 10"	7.19	1.6	23.5
10/8/98	50' 5"	6.85	1.579	24.2
11/25/98	52' 10"	7.35	1.52	22.9
12/28/98	52' 3"	7.44	1.51	22.8

Monitor Well #3

DATE	Depth to Water(ft)	pH	Conductivity(ms/cm)	Temp (C)
1/1/99	N/A	N/A	N/A	N/A
2/1/99	N/A	N/A	N/A	N/A
3/1/99	N/A	N/A	N/A	N/A
4/1/99	N/A	N/A	N/A	N/A
5/1/99	N/A	N/A	N/A	N/A
6/1/99	N/A	N/A	N/A	N/A
7/1/99	N/A	N/A	N/A	N/A
8/1/99	N/A	N/A	N/A	N/A
9/1/99	N/A	N/A	N/A	N/A
10/1/99	N/A	N/A	N/A	N/A
11/1/99	N/A	N/A	N/A	N/A
12/1/99	N/A	N/A	N/A	N/A

CITY OF MESA
NORTHWEST WATER RECLAMATION PLANT
1998 MONITOR WELL REPORT

Monitor Well #4

DATE	Depth to Water(ft)	pH	Conductivity(ms/cm)	Temp (C)
1/5/98	68' 8"	6.93	1.433	22.2
2/3/98	71' 0"	6.91	1.465	22.6
3/2/98	67' 0"	6.91	1.492	23.6
4/1/98	65' 10"	7.16	1.429	22.7
5/1/98	59' 4"	6.9	1.507	24
6/2/98	54' 6"	6.79	1.491	25.1
7/6/98	58' 11"	7.08	1.493	24.8
8/5/98	59' 4"	6.85	1.482	24
9/3/98	58' 9"	6.96	1.48	23.3
10/8/98	58' 0"	6.73	1.476	24.4
11/25/98	N/A	N/A	N/A	N/A
12/28/98	N/A	N/A	N/A	N/A

CITY OF MESA
NORTHWEST WATER RECLAMATION PLANT
1999 MONITOR WELL REPORT

Monitor Well #1

DATE	Depth to Water(ft)	pH	Conductivity(ms/cm)	Temp (C)
1/1/99	N/A	N/A	N/A	N/A
2/1/99	N/A	N/A	N/A	N/A
3/1/99	N/A	N/A	N/A	N/A
4/1/99	N/A	N/A	N/A	N/A
5/1/99	N/A	N/A	N/A	N/A
6/1/99	N/A	N/A	N/A	N/A

Monitor Well #2

DATE	Depth to Water(ft)	pH	Conductivity(ms/cm)	Temp (C)
1/21/99	52' 5"	7.54	1.51	21.5
2/24/99	53' 6"	7.25	1.541	24
3/9/99	54' 3"	7.25	1.516	23.5
4/21/99	~~65' 5"~~ 56' 5"	6.97	1.434	25.2
5/3/99	56' 2"	7.13	1.475	23.1
6/2/99	56' 6"	7.14	1.433	23.5

Monitor Well #3

DATE	Depth to Water(ft)	pH	Conductivity(ms/cm)	Temp (C)
1/22/99	N/A	N/A	N/A	N/A
2/26/99	N/A	N/A	N/A	N/A
3/29/99	N/A	N/A	N/A	N/A
4/22/99	61' 0"	7.12	1.481	23.9
5/3/99	61' 6"	7.13	1.441	23
6/2/99	61' 11"	7	1.423	23.4

Monitor Well #4

DATE	Depth to Water(ft)	pH	Conductivity(ms/cm)	Temp (C)
1/1/99	N/A	N/A	N/A	N/A
2/25/99	63' 5"	6.96	1.406	23.7
3/11/99	62' 4"	6.93	1.468	23.6
4/21/99	63' 5"	6.94	1.485	24.9
5/27/99	64' 4"	7.02	1.483	25.1
6/27/99	N/A	N/A	N/A	N/A

INFORMATION FROM WATER-LEVEL PRINTOUT FOR NW WRP MONITOR WELLS BY CITY OF MESA (6/94,1/97 and 6/99)

MOTOROLA, INC. MESA CENTER
WATER-LEVEL MEASUREMENTS

WATER-LEVEL MEASUREMENTS FOR MONITOR WELLS

MW-1

Date	Depth to Water (feet)	Water-Level Elevation (feet)
7/7/93	96.11	1,113.23
7/16/93	95.98	1,113.36
8/5/93	96.01	1,113.33
8/19/93	95.98	1,113.36
9/3/93	96.26	1,113.08
9/22/93	95.42	1,113.92

Measuring point elevation 1,209.34 feet.

MW-2

Date	Depth to Water (feet)	Water-Level Elevation (feet)
7/7/93	95.61	1,112.47
7/16/93	95.58	1,112.50
8/5/93	95.58	1,112.50
8/19/93	95.49	1,112.59
9/3/93	95.73	1,112.35
9/22/93	94.94	1,113.14

Measuring point elevation 1,208.08 feet.

MW-3

Date	Depth to Water (feet)	Water-Level Elevation (feet)
7/16/93	93.48	1,112.76
7/28/93	93.38	1,112.86
8/19/93	93.46	1,112.78
9/22/93	93.60	1,112.64

Measuring point elevation 1,206.24 feet.

MW-4

Date	Depth to Water (feet)	Water-Level Elevation (feet)
7/16/93	97.80	1,111.78
7/29/93	97.70	1,111.88
8/4/93	97.69	1,111.89
8/19/93	97.73	1,111.85
9/22/93	97.72	1,111.86

Measuring point elevation 1,209.58 feet.

MW-5

Date	Depth to Water (feet)	Water-Level Elevation (feet)
7/16/93	94.31	1,112.31
7/28/93	94.17	1,112.45
8/19/93	94.22	1,112.40
9/22/93	94.33	1,112.29

Measuring point elevation 1,206.62 feet.

MW-6

Date	Depth to Water (feet)	Water-Level Elevation (feet)
7/16/93	92.65	1,113.79
7/29/93	92.70	1,113.74
8/19/93	92.77	1,113.67
9/22/93	92.35	1,114.09

Measuring point elevation 1,206.44 feet.

WATER-LEVEL MEASUREMENTS FOR MONITOR WELLS

MW-7

Date	Depth to Water (feet)	Water-Level Elevation (feet)
7/16/93	94.42	1,111.52
7/27/93	94.29	1,111.65
8/19/93	94.30	1,111.64
9/22/93	94.38	1,111.56

Measuring point elevation 1,205.94 feet.

MW-8

Date	Depth to Water (feet)	Water-Level Elevation (feet)
7/7/93	97.92	1,111.32
7/16/93	97.82	1,111.42
8/5/93	97.79	1,111.45
8/19/93	97.61	1,111.63
9/3/93	97.87	1,111.37
9/22/93	96.99	1,112.25

Measuring point elevation 1,209.24 feet.

MW-11

Date	Depth to Water (feet)	Water-Level Elevation (feet)
7/16/93	100.44	1,110.05
7/28/93	100.16	1,110.33
8/19/93	100.11	1,110.38
9/22/93	100.14	1,110.35

Measuring point elevation 1,210.49 feet.

MW-12

Date	Depth to Water (feet)	Water-Level Elevation (feet)
7/16/93	100.48	1,112.53
7/27/93	100.28	1,112.73
8/19/93	100.39	1,112.62
9/22/93	100.38	1,112.63

Measuring point elevation 1,213.01 feet.

MW-14

Date	Depth to Water (feet)	Water-Level Elevation (feet)
7/16/93	112.50	1,109.08
7/26/93	112.40	1,109.18
8/19/93	111.89	1,109.69
9/22/93	111.77	1,109.81

Measuring point elevation 1,221.58 feet.

MW-17

Date	Depth to Water (feet)	Water-Level Elevation (feet)
7/16/93	96.72	1,112.62
7/27/93	96.54	1,112.80
8/19/93	96.68	1,112.66
9/22/93	96.68	1,112.66

Measuring point elevation 1,209.34 feet.

MW-22

Date	Depth to Water (feet)	Water-Level Elevation (feet)
7/16/93	89.13	1,116.42
7/27/93	89.13	1,116.42
8/19/93	89.47	1,116.08
9/22/93	89.77	1,115.78

Measuring point elevation 1,205.55 feet.

INFORMATION FROM JANUARY 14, 1994, QUARTERLY REPORT FOR MOTOROLA, INC. MESA CENTER POOR QUALITY GROUNDWATER WITHDRAWAL PERMIT (JULY-SEPTEMBER, 1993), K.D. SCHMIDT AND ASSOCIATES.

WATER-LEVEL MEASUREMENTS FOR MONITOR WELLS

MW-1

Date	Depth to Water (feet)	Water-Level Elevation (feet)
	99.38	1,109.96
4/29/96	99.71	1,109.63
5/28/96	99.95	1,109.39
6/28/96	100.25	1,109.09

Measuring point elevation 1,209.13 feet

MW-2

Date	Depth to Water (feet)	Water-Level Elevation (feet)
4/29/96	98.99	1,109.09
5/28/96	99.37	1,108.71
6/28/96	99.59	1,108.49

Measuring point elevation 1,209.62 feet

MW-3

Date	Depth to Water (feet)	Water-Level Elevation (feet)
4/17/96	96.68	1,109.56
4/29/96	96.95	1,109.29
5/28/96	97.32	1,108.92
6/28/96	97.57	1,108.67

Measuring point elevation 1,206.24 feet.

MW-4

Date	Depth to Water (feet)	Water-Level Elevation (feet)
4/29/96	100.70	1,108.88
5/28/96	101.06	1,108.52
6/28/96	101.43	1,108.15

Measuring point elevation 1,209.58 feet.

MW-5

Date	Depth to Water (feet)	Water-Level Elevation (feet)
4/8/96	97.02	1,109.60
4/29/96	97.56	1,109.06
5/28/96	97.88	1,108.74
6/28/96	98.17	1,108.45

Measuring point elevation 1,206.62 feet.

MW-6

Date	Depth to Water (feet)	Water-Level Elevation (feet)
4/8/96	96.04	1,110.40
4/29/96	96.74	1,109.70
5/28/96	96.96	1,109.48
6/28/96	97.41	1,109.03

Measuring point elevation 1,206.44 feet.

MW-7

Date	Depth to Water (feet)	Water-Level Elevation (feet)
4/17/96	97.15	1,108.79
4/29/96	97.33	1,108.61
5/28/96	97.61	1,108.33
6/28/96	97.86	1,108.08

Measuring point elevation 1,205.94 feet.

MW-8

Date	Depth to Water (feet)	Water-Level Elevation (feet)
4/29/96	100.34	1,108.90
5/28/96	100.68	1,108.56
6/28/96	100.91	1,108.33

Measuring point elevation 1,209.24 feet.

WATER-LEVEL MEASUREMENTS FOR MONITOR WELLS

MW-11

Date	Depth to Water (feet)	Water-Level Elevation (feet)
4/8/96	101.80	1,108.69
4/29/96	102.38	1,108.11
5/28/96	102.74	1,107.75
6/28/96	103.05	1,107.44

Measuring point elevation 1,210.49 feet.

MW-12

Date	Depth to Water (feet)	Water-Level Elevation (feet)
4/16/96	103.11	1,109.90
4/29/96	103.35	1,109.66
5/28/96	103.76	1,109.25
6/28/96	104.13	1,108.88

Measuring point elevation 1,213.01 feet.

MW-14

Date	Depth to Water (feet)	Water-Level Elevation (feet)
4/16/96	112.08	1,109.50
4/29/96	112.51	1,109.07
5/28/96	112.89	1,108.69
6/28/96	113.25	1,108.33

Measuring point elevation 1,221.58 feet.

MW-17

Date	Depth to Water (feet)	Water-Level Elevation (feet)
4/17/96	99.78	1,109.56
4/29/96	100.04	1,109.30
5/28/96	100.31	1,109.03
6/28/96	100.63	1,108.71

Measuring point elevation 1,209.34 feet.

MW-22

Date	Depth to Water (feet)	Water-Level Elevation (feet)
4/16/96	94.13	1,111.42
4/29/96	94.46	1,111.09
5/28/96	94.73	1,110.82
6/28/96	95.10	1,110.45

Measuring point elevation 1,205.55 feet.

INFORMATION FROM OCTOBER 7, 1996, QUARTERLY REPORT FOR MOTOROLA, INC. MESA CENTER POOR QUALITY GROUNDWATER WITHDRAWAL PERMIT (APRIL-JUNE, 1996), K.D. SCHMIDT AND ASSOCIATES.

MOTOROLA, INC. MESA CENTER
WATER-LEVEL HYDROGRAPH

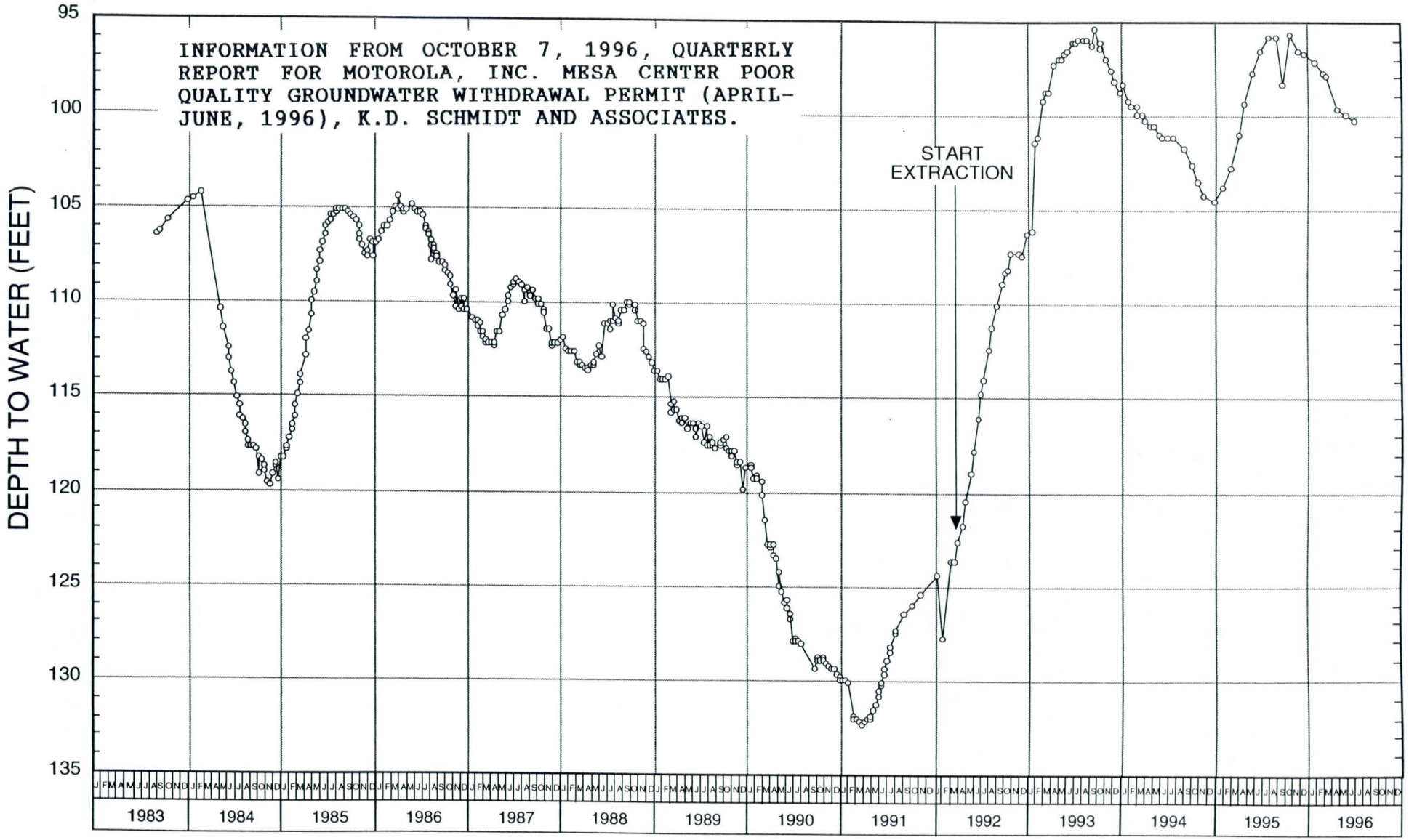


FIGURE 2 - WATER-LEVEL HYDROGRAPH FOR MW-1

NORTH INDIAN BEND WASH
WATER-LEVEL MEASUREMENTS

TABLE 1
NIBW JULY 1993 WATER LEVEL DATA
Submitted by the Salt River Project (measured 7/6 and 8/93)
(page 1 of 2)

WELL #	ALLUVIUM UNIT	ELEVATION MEASURING POINT (MSL)	DEPTH TO WATER (Feet)	WATER SURFACE ELEVATION (Feet, MSL)
B-1	UAU	1191.57	55.38	1136.19
B-3	UAU	1191.65	58.05	1133.60
B-J	UAU	1191.51	67.08	1124.43
D-1	UAU	NA	108.45	NA
E-1	UAU	1214.78	79.39	1135.39
E-2	UAU	1224.41	112.06	1112.35
E-3	UAU	1223.58	123.46	1100.12
E-4	UAU	1228.62	116.08	1112.54
E-5	UAU	1198.82	77.23	1121.59
E-6	UAU	1221.06	119.31	1101.75
E-7	UAU	1197.16	84.75	1112.41
E-9	UAU	1209.51	102.28	1107.23
E-12	UAU	1202.02	70.15	1131.87
E-13	UAU	1207.94	75.85	1132.09
M-2	UAU	1211.15	79.04	1132.11
M-3	UAU	1206.94	67.58	1139.36
M-4	UAU	1216.18	83.13	1133.05
M-5	UAU	1218.78	93.34	1125.44
M-8	UAU	1209.29	66.28	1143.01
M-9	UAU	1219.50	90.95	1128.55
M-10	UAU	1217.81	102.20	1115.61
M-11	UAU	1210.82	100.67	1110.15
M-12	UAU	1226.27	123.49	1102.78
M-13	UAU	1216.10	89.16	1126.94
M-15	UAU	1218.53	93.39	1125.14
M-16	UAU	1227.50	NA	NA

NA - Not available

TABLE 1
NIBW JULY 1993 WATER LEVEL DATA
Submitted by the Salt River Project (measured 7/6 and 8/93)

WELL #	ALLUVIUM UNIT	ELEVATION MEASURING POINT (MSL)	DEPTH TO WATER (Feet)	WATER SURFACE ELEVATION (Feet, MSL)
PG-3	UAU	1203.64	86.87	1116.77
PG-4	UAU	1227.26	129.78	1097.48
PG-5	UAU	1213.75	105.00	1108.75
PG-6	UAU	1212.29	101.77	1110.52
PG-7	UAU	1196.93	76.95	1119.98
PG-8	UAU	1221.90	119.53	1102.37
PG-9	UAU	1251.71	DRY	NA
PG-10	UAU	1240.32	139.85	1100.47
PG-11	UAU	1229.97	131.72	1098.25
PG-12	UAU	1230.83	123.48	1107.35
PG-13	UAU	1225.89	117.28	1108.61
PG-14	UAU	1226.76	112.16	1114.60
PG-15	UAU	1228.86	115.66	1113.20
PG-16	UAU	1241.50	141.63	1099.87
PG-17	UAU	1225.01	106.94	1118.07
PG-18	UAU	1201.52	80.12	1121.40
PG-19	UAU	1203.72	86.79	1116.93
PG-20	UAU	1216.34	112.32	1104.02
PG-21	UAU	1207.43	97.46	1109.97
PG-22	UAU	1209.68	90.45	1119.23
PG-23	UAU	1222.33	120.41	1101.92
PG-24	UAU	1211.68	100.80	1110.88
PG-25	UAU	1205.65	92.14	1113.51
PG-26	UAU	1205.16	67.74	1137.42
PG-27	UAU	1189.04	60.32	1128.72
ST-1	UAU	1211.98	75.39	1136.59
W-3	UAU	1231.77	127.30	1104.47

INFORMATION FROM AUGUST 6, 1993, CONTOUR MAPS OF JULY 1993 GROUND-WATER LEVELS, NORTH INDIAN BEND WASH, SCOTTSDALE, ARIZONA, SOUTH PASS RESOURCES, INC.

NA - Not available

TABLE 1
APRIL 1996 WATER-LEVEL DATA
NORTH INDIAN BEND WASH
Submitted by the Salt River Project (measured April, 1996)

WELL #	ALLUVIUM UNIT	ELEVATION MEASURING POINT (MSL)	DEPTH TO WATER (Feet)	WATER SURFACE ELEVATION (Feet, MSL)
B-1	UAU	1191.37	69.05	1122.32
B-3	UAU	1191.65	70.75	1120.90
B-J	UAU	1191.51	75.95	1115.56
D-1	UAU	1225.34	98.14	1127.20
E-1	UAU	1214.78	87.48	1127.30
E-2	UAU	1224.41	108.16	1116.25
E-3	UAU	1223.58	118.86	1104.72
E-4	UAU	1228.62	104.55	1124.07
E-5	UAU	1198.82	83.41	1115.41
E-6	UAU	1221.06	118.08	1102.98
E-7	UAU	1197.16	85.32	1111.84
E-9	UAU	1209.51	105.37	1104.14
E-12	UAU	1202.02	81.50	1120.52
E-13	UAU	1207.94	85.82	1122.12
M-2	UAU	1211.15	88.89	1122.26
M-3	UAU	1206.94	79.79	1127.15
M-4	UAU	1216.18	92.11	1124.07
M-5	UAU	1218.78	97.55	1121.23
M-8	UAU	1209.29	79.00	1130.29
M-9	UAU	1219.50	92.30	1127.20
M-10	UAU	1217.81	100.70	1117.11
M-11	UAU	1210.82	97.50	1113.32
M-12	UAU	1226.27	115.12	1111.15
M-13	UAU	1216.10	95.70	1120.40
M-15	UAU	1218.53	95.95	1122.58
M-16	UAU	1227.50	108.18	1119.32
PG-3	UAU	1203.64	95.50	1108.14
PG-4	UAU	1227.26	132.91	1094.35
PG-5	UAU	1213.75	109.49	1104.26
PG-6	UAU	1212.29	109.90	1102.39
PG-7	UAU	1196.93	88.20	1108.73

TABLE 1
APRIL 1996 WATER-LEVEL DATA
NORTH INDIAN BEND WASH
Submitted by the Salt River Project (measured April, 1996)

WELL #	ALLUVIUM UNIT	ELEVATION MEASURING POINT (MSL)	DEPTH TO WATER (Feet)	WATER SURFACE ELEVATION (Feet, MSL)
PG-8	UAU	1221.90	121.19	1100.71
PG-10	UAU	1240.32	132.17	1108.15
PG-11	UAU	1229.97	126.10	1103.87
PG-12	UAU	1230.83	114.57	1116.26
PG-13	UAU	1225.89	111.25	1114.64
PG-14	UAU	1226.76	106.61	1120.15
PG-15	UAU	1228.86	105.94	1122.92
PG-16	UAU	1241.50	134.68	1106.82
PG-17	UAU	1225.01	96.72	1128.29
PG-18	UAU	1201.52	89.11	1112.41
PG-19	UAU	1203.72	93.38	1110.34
PG-20	UAU	1216.34	112.09	1104.25
PG-21	UAU	1207.43	95.86	1111.57
PG-22	UAU	1209.68	93.96	1115.72
PG-23	UAU	1222.33	125.54	1096.79
PG-24	UAU	1211.68	107.19	1104.49
PG-25	UAU	1205.65	96.50	1109.15
PG-26	UAU	1205.16	80.07	1125.09
PG-27	UAU	1189.04	72.51	1116.53
PG-28	UAU	1234.40	127.14	1107.26
PG-29	UAU	1232.34	123.38	1108.96
PG-30	UAU	1225.75	119.60	1106.15
PG-31	UAU	1234.91	129.75	1105.16
PG-32	UAU	1224.38	103.89	1120.49
PG-33	UAU	1225.27	99.64	1125.63
PG-34	UAU	1227.02	104.48	1122.54
PG-35	UAU	1224.07	120.51	1103.56
PG-36	UAU	1244.50	135.63	1108.87
PG-39	UAU	1232.28	138.04	1094.24
ST-1	UAU	1211.98	85.50	1126.48
W-3	UAU	1231.77	117.25	1114.52

INFORMATION FROM MAY 14, 1996, CONTOUR MAPS OF APRIL 1996 GROUND-WATER LEVELS, NORTH INDIAN BEND WASH, SCOTTSDALE, ARIZONA, SOUTH PASS RESOURCES, INC.

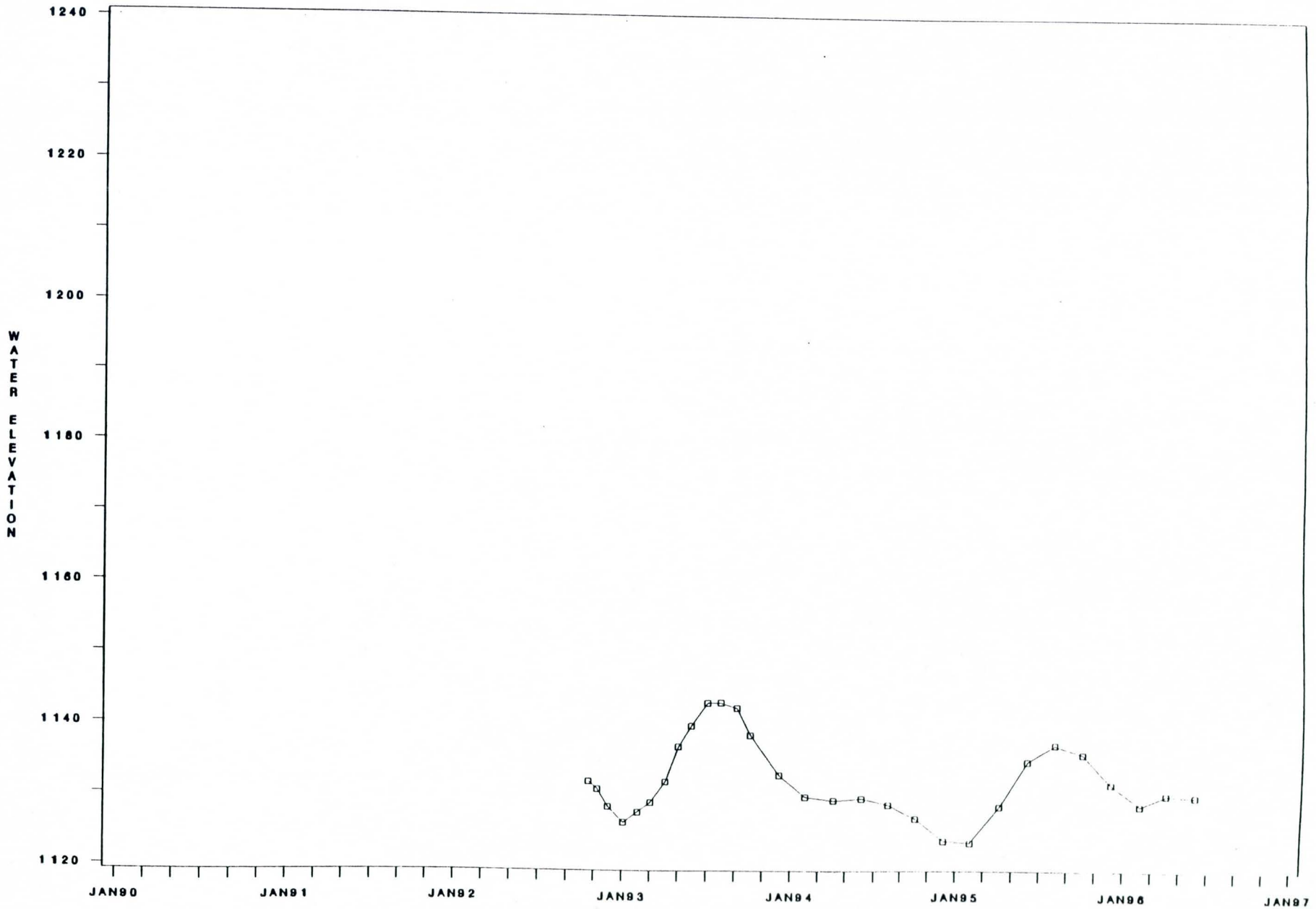
NORTH INDIAN BEND WASH
WATER-LEVEL HYDROGRAPHS

INFORMATION FROM THE SALT RIVER PROJECT

INDIAN BEND WASH

MONITORING WELL HYDROGRAPH

WELL M-8UA



INDIAN BEND WASH
MONITORING WELL HYDROGRAPH
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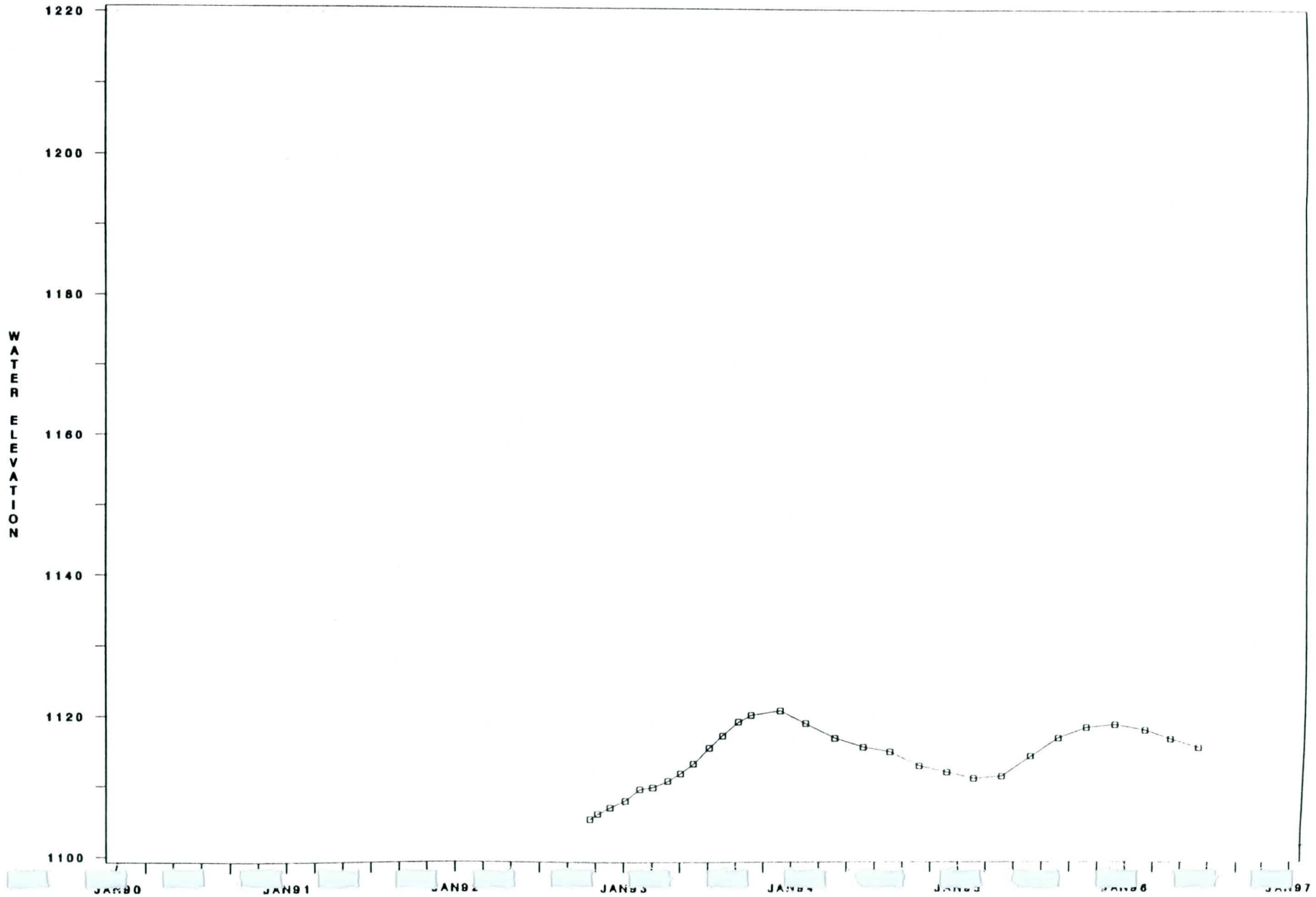

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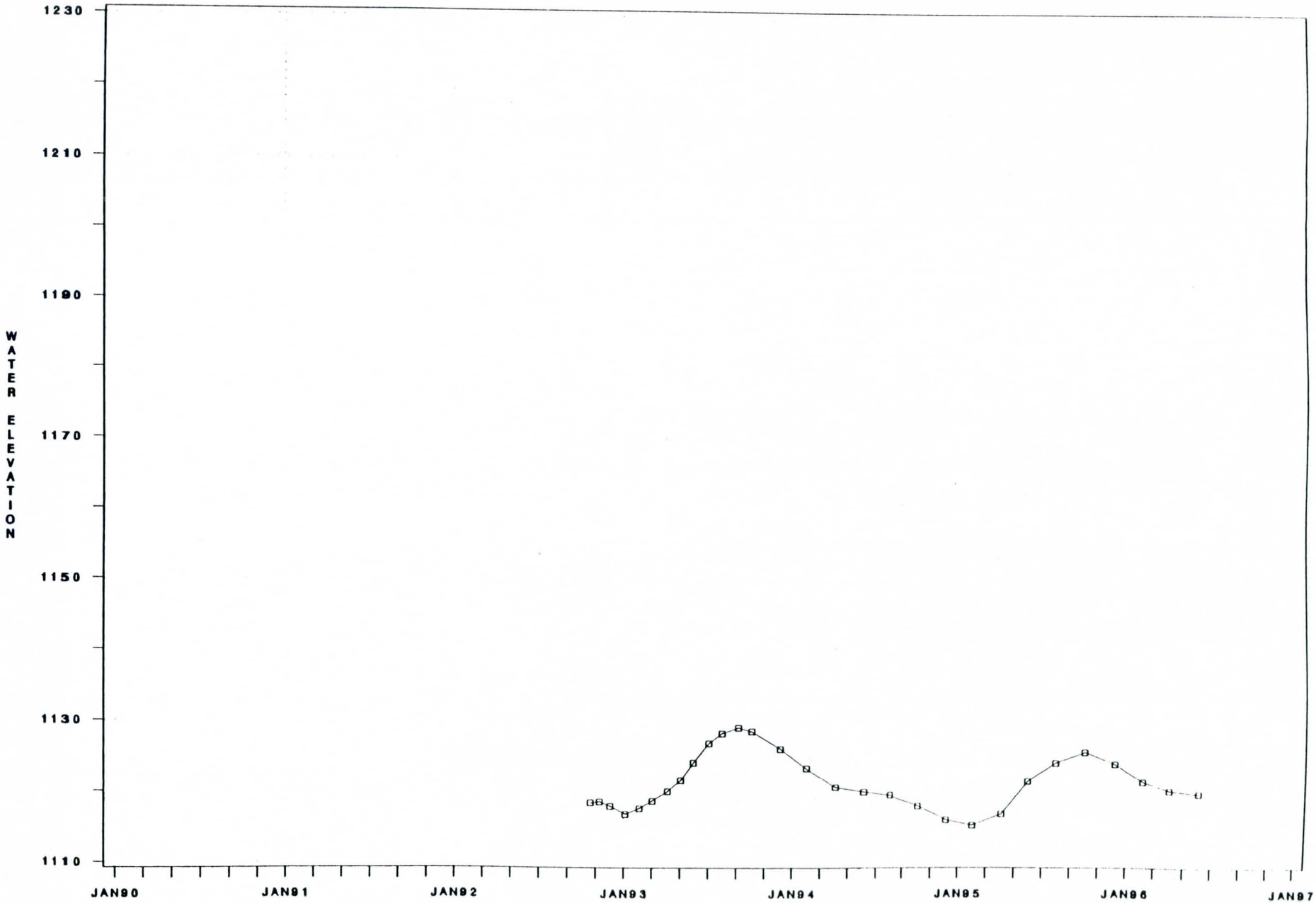

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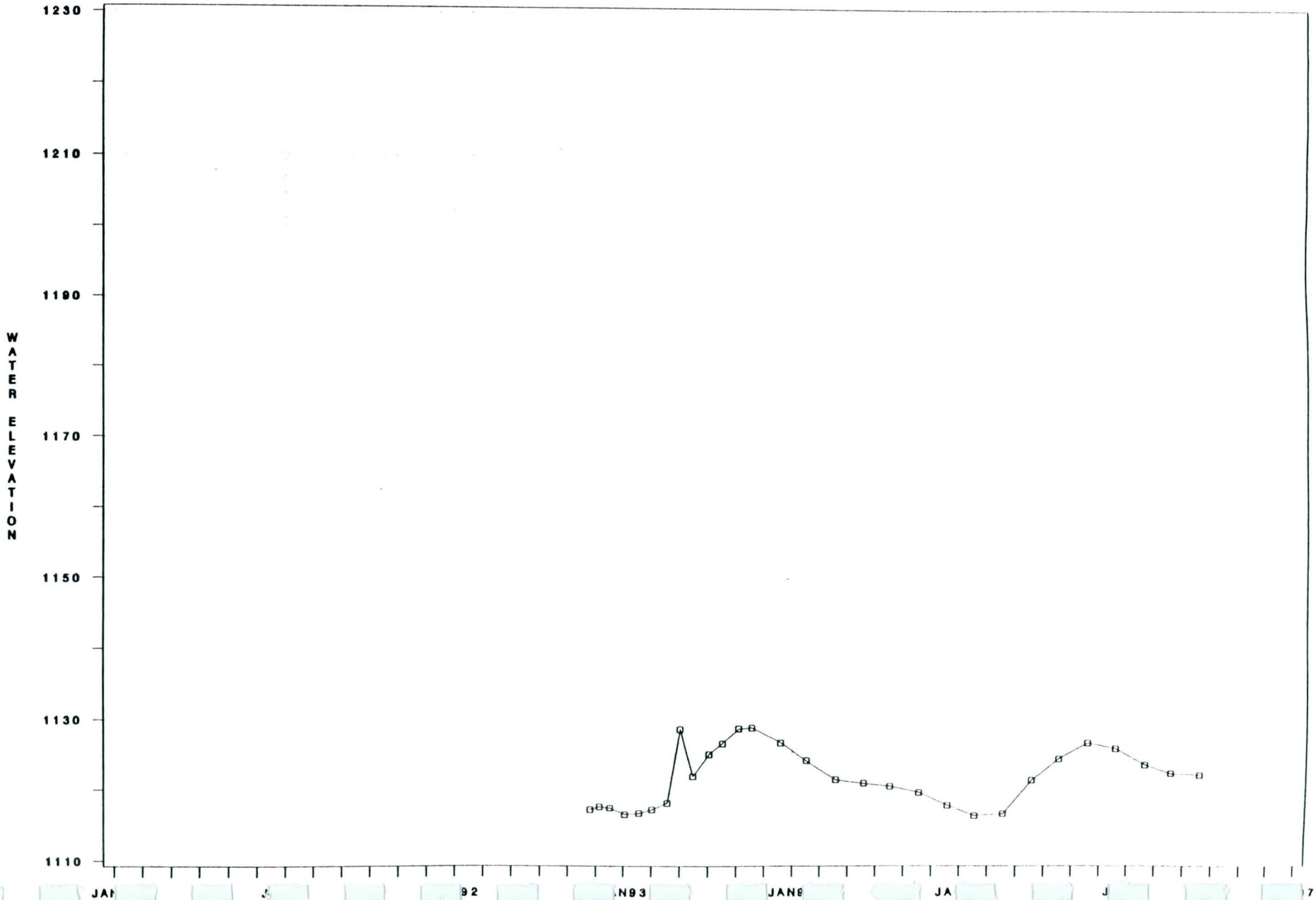

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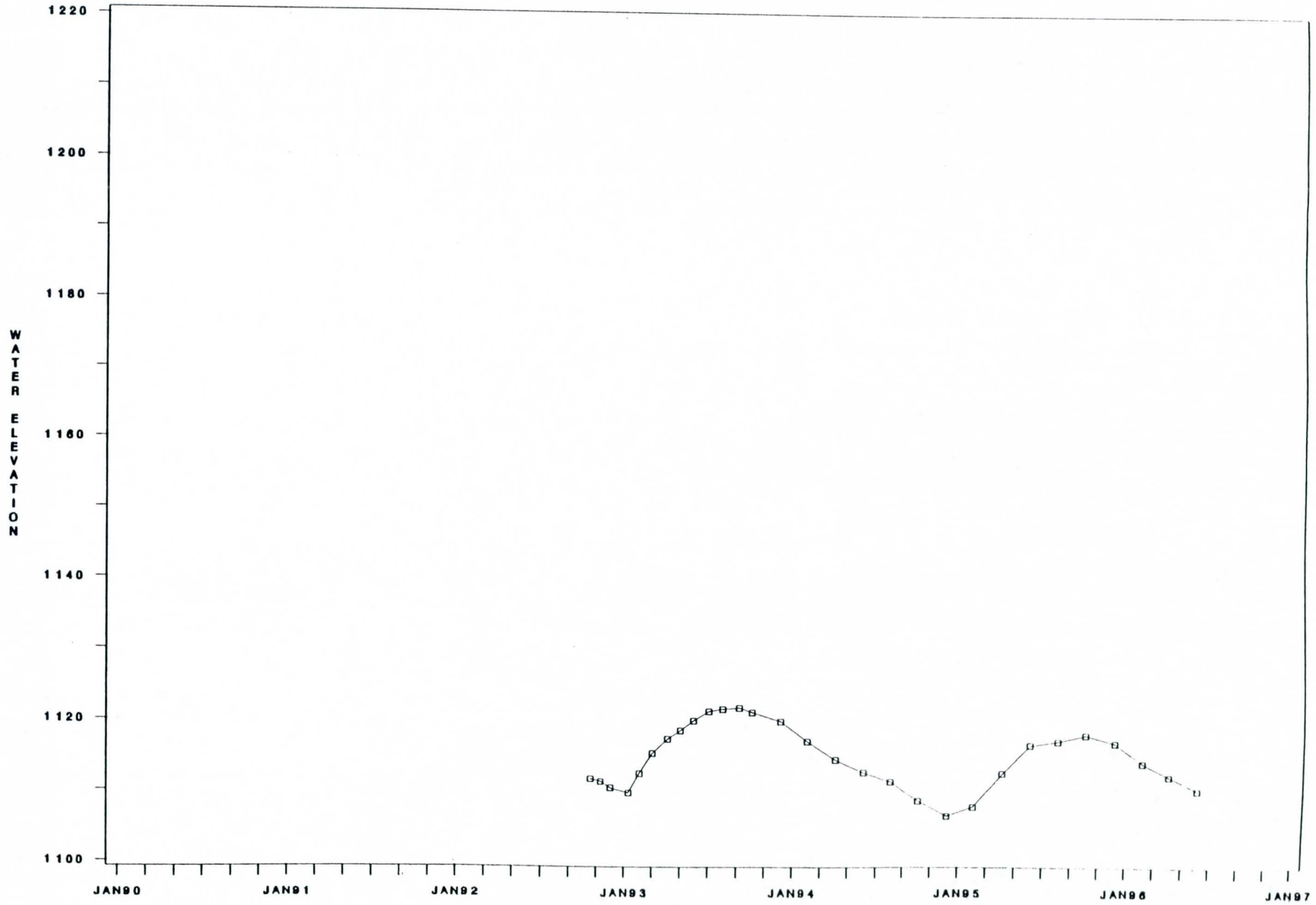

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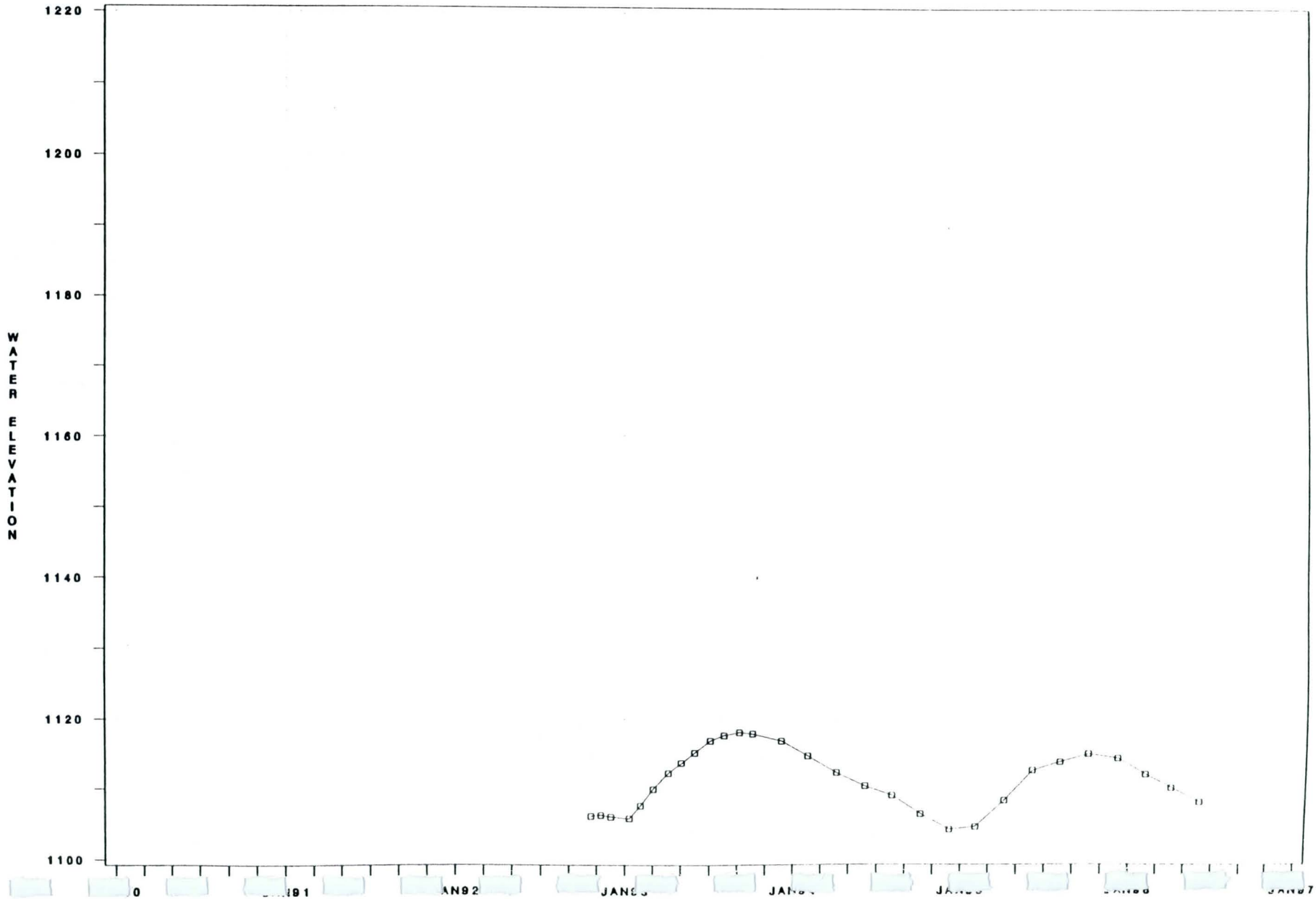

INDIAN BEND WASH
MONITORING WELL HYDROGRAPH
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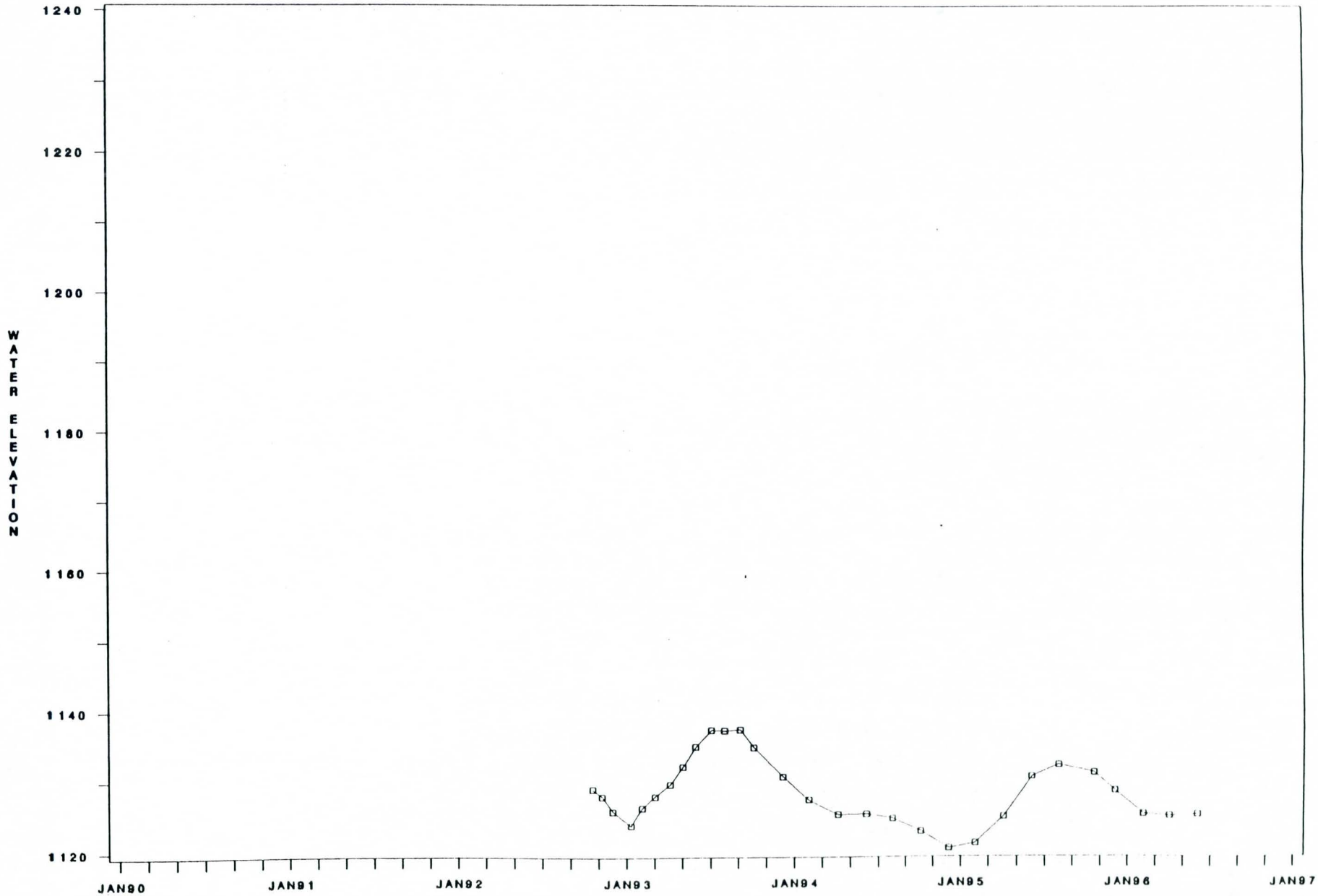

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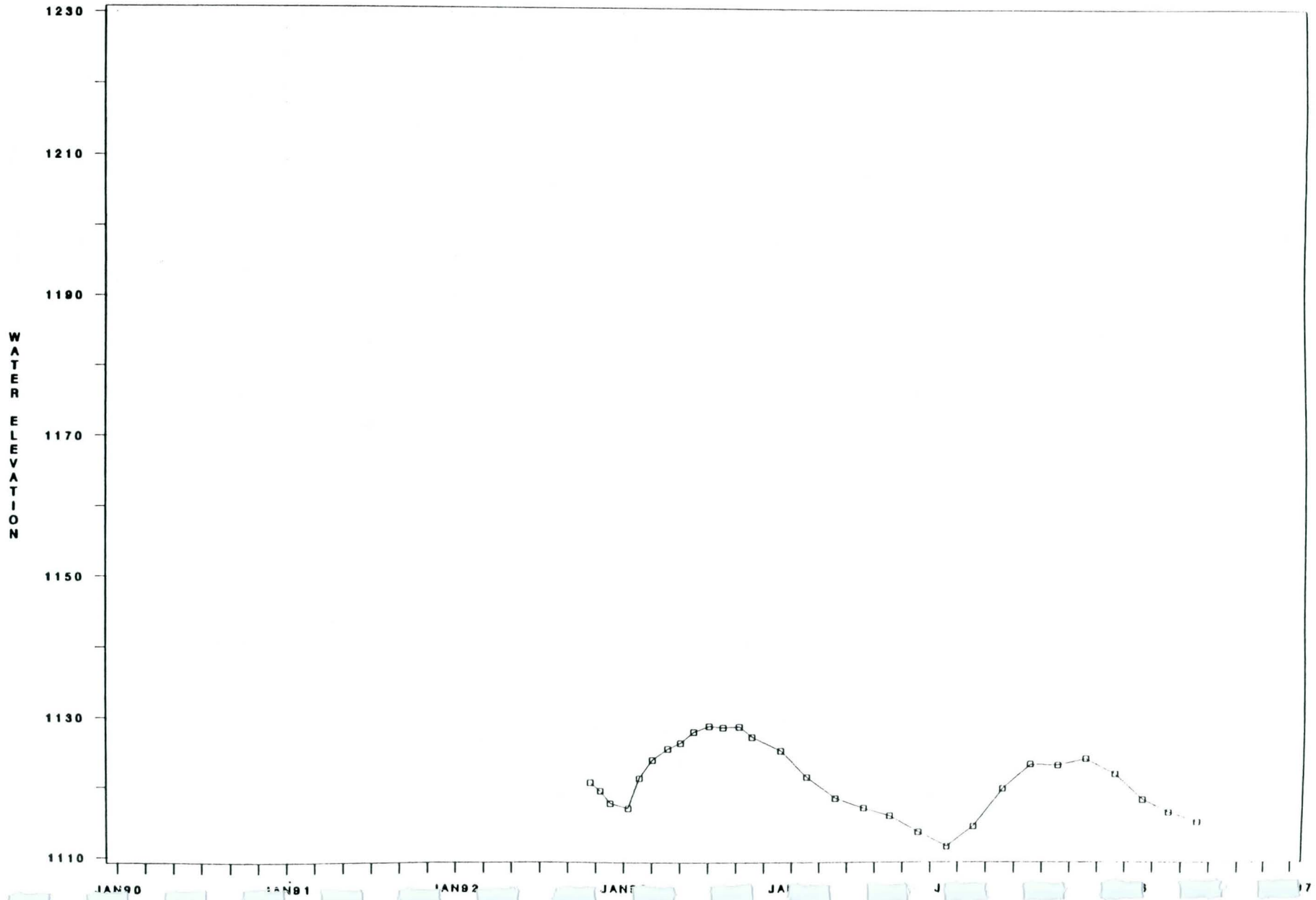
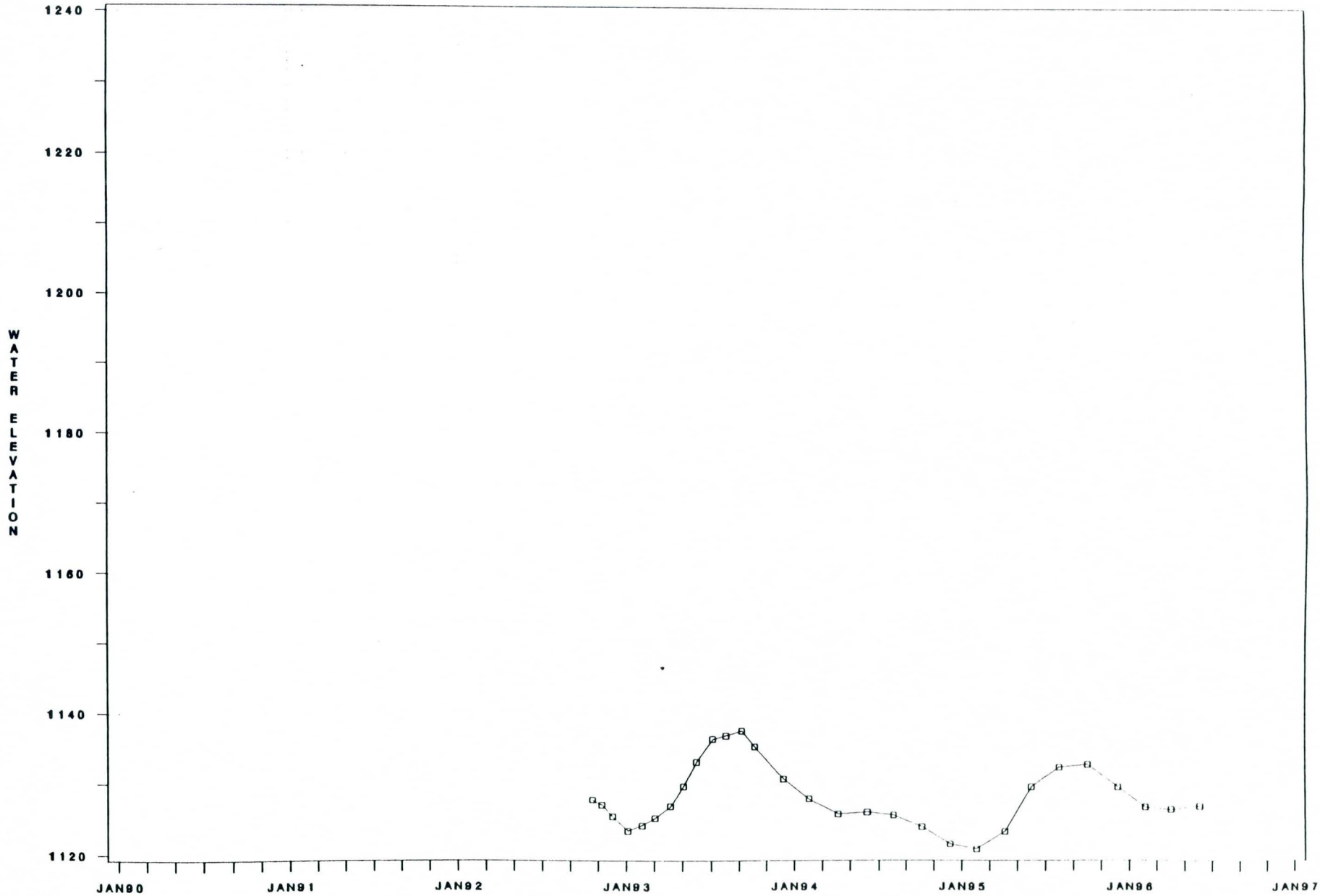


INDIAN BEND WASH

MONITORING WELL HYDROGRAPH

WELL ST-1UA



SOUTH INDIAN BEND WASH
WATER-LEVEL MEASUREMENTS

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
94.08.03 16:47:06

TDMII-010
PAGE 1

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
AAA	92.01.14	1112.18	F	69.70	F	1181.88	F
	92.02.11	1124.58	F	57.30	F	1181.88	F
	92.05.12	1134.46	F	47.42	F	1181.88	F
	92.06.09	1136.12	F	45.76	F	1181.88	F
	92.07.14	1135.15	F	46.73	F	1181.88	F
	92.08.10	1134.97	F	46.91	F	1181.88	F
	92.09.10	1137.23	F	44.65	F	1181.88	F
	92.10.12	1135.36	F	46.52	F	1181.88	F
	92.12.10	1128.96	F	52.92	F	1181.88	F
	93.02.04	1142.49	F	39.39	F	1181.88	F
	93.03.05	1144.26	F	37.62	F	1181.88	F
	93.03.30	1143.08	F	38.80	F	1181.88	F
	93.04.13	1143.25	F	38.63	F	1181.88	F
	93.04.29	1142.36	F	39.52	F	1181.88	F
	93.05.27	1142.31	F	39.57	F	1181.88	F
	93.06.30	1139.87	F	42.01	F	1181.88	F
	93.07.28	1137.27	F	44.61	F	1181.88	F
	93.08.13	1136.31	F	45.57	F	1181.88	F
	93.09.15	1134.72	F	47.16	F	1181.88	F
	93.10.15	1133.22	F	48.66	F	1181.88	F
	93.11.19	1132.74	F	49.14	F	1181.88	F
	94.01.14	1128.76	F	53.12	F	1181.88	F
	94.02.15	1127.15	F	54.73	F	1181.88	F
	94.03.15	1126.10	F	55.78	F	1181.88	F
	94.04.14	1125.48	F	56.40	F	1181.88	F
	94.05.16	1125.14	F	56.74	F	1181.88	F
	94.06.15	1124.81	F	57.07	F	1181.88	F
	94.07.15	1124.51	F	57.37	F	1181.88	F
APS#1	92.02.11	1067.64	F	104.36	F	1172.00	F
	92.03.10	1073.64	F	98.36	F	1172.00	F
	92.05.12	1074.38	F	97.62	F	1172.00	F
	92.06.09	1080.95	F	91.05	F	1172.00	F
	92.07.15	1078.70	F	93.30	F	1172.00	F
	92.08.10	1074.66	F	97.34	F	1172.00	F
	92.09.10	1082.81	F	89.19	F	1172.00	F
	92.12.11	1081.90	F	90.10	F	1172.00	F
	93.02.04	1093.25	F	78.75	F	1172.00	F
	93.03.04	1096.81	F	75.19	F	1172.00	F
	93.03.30	1096.76	F	75.24	F	1172.00	F
	93.03.31	1172.00	F	0.00	F	1172.00	F
	93.04.13	1096.72	F	75.28	F	1172.00	F
	93.04.29	1102.14	F	69.86	F	1172.00	F
	93.07.28	1092.59	F	79.41	F	1172.00	F
	93.08.13	986.04	F	185.96	F	1172.00	F
	93.12.17	1092.99	F	79.01	F	1172.00	F
	94.02.15	1093.54	F	78.46	F	1172.00	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT — TDMII-010
94.08.03 16:47:06 — PAGE 2

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
APS#1	94.03.15	1094.20	F	77.80	F	1172.00	F
	94.04.14	1085.00	F	87.00	F	1172.00	F
	94.05.16	1083.22	F	88.78	F	1172.00	F
	94.07.15	1077.68	F	94.32	F	1172.00	F
BROCK	92.01.14	1103.54	F	77.10	F	1180.64	F
	92.02.11	1115.93	F	64.71	F	1180.64	F
	92.05.12	1126.86	F	53.78	F	1180.64	F
	92.06.09	1128.22	F	52.42	F	1180.64	F
	92.07.14	1128.92	F	51.72	F	1180.64	F
	92.08.10	1127.35	F	53.29	F	1180.64	F
	92.09.10	1129.87	F	50.77	F	1180.64	F
	92.10.12	1128.99	F	51.65	F	1180.64	F
	92.12.10	1123.70	F	56.94	F	1180.64	F
	93.04.13	1137.64	F	43.00	F	1180.64	F
	93.04.29	1137.09	F	43.55	F	1180.64	F
	93.05.27	1137.14	F	43.50	F	1180.64	F
	93.06.30	1135.15	F	45.49	F	1180.64	F
	93.07.28	1133.26	F	47.38	F	1180.64	F
	93.08.13	1132.36	F	48.28	F	1180.64	F
	93.09.15	1131.01	F	49.63	F	1180.64	F
	93.10.15	1129.32	F	51.32	F	1180.64	F
	93.11.19	1128.01	F	52.63	F	1180.64	F
	93.12.17	1126.28	F	54.36	F	1180.64	F
	94.02.15	1123.30	F	57.34	F	1180.64	F
	94.03.15	1122.29	F	58.35	F	1180.64	F
	94.05.16	1120.62	F	60.02	F	1180.64	F
	94.06.15	1120.33	F	60.31	F	1180.64	F
HRLF-1	92.01.20	1125.63	F	40.41	F	1166.04	F
	92.01.28	1131.06	F	34.98	F	1166.04	F
	92.02.04	1132.82	F	33.22	F	1166.04	F
	92.02.11	1134.75	F	31.29	F	1166.04	F
	92.02.18	1140.31	F	25.73	F	1166.04	F
	92.02.25	1139.40	F	26.64	F	1166.04	F
	92.03.10	1142.19	F	23.85	F	1166.04	F
	92.03.17	1142.67	F	23.37	F	1166.04	F
	92.03.24	1141.53	F	24.51	F	1166.04	F
	92.03.31	1166.04	F	0.00	F	1166.04	F
	92.04.07	1142.80	F	23.24	F	1166.04	F
	92.04.22	1141.46	F	24.58	F	1166.04	F
	92.05.05	1140.58	F	25.46	F	1166.04	F
	92.05.12	1141.06	F	24.98	F	1166.04	F
	92.05.26	1141.73	F	24.31	F	1166.04	F
	92.06.02	1141.76	F	24.28	F	1166.04	F
	92.06.09	1141.25	F	24.79	F	1166.04	F
	92.06.23	1140.29	F	25.75	F	1166.04	F

TDM II

TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT — TDMII-010

94.08.03 16:47:06 — PAGE 3

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
HRLF-1	92.07.14	1136.28	F	29.76	F	1166.04	F
	92.07.29	1138.44	F	27.60	F	1166.04	F
	92.08.10	1136.57	F	29.47	F	1166.04	F
	92.08.25	1139.87	F	26.17	F	1166.04	F
	92.09.10	1141.75	F	24.29	F	1166.04	F
	92.09.24	1139.14	F	26.90	F	1166.04	F
	92.10.12	1135.11	F	30.93	F	1166.04	F
	92.11.06	1130.51	F	35.53	F	1166.04	F
HRLF-2	92.01.20	1123.69	F	41.93	F	1165.62	F
	92.01.28	1128.62	F	37.00	F	1165.62	F
	92.02.04	1131.14	F	34.48	F	1165.62	F
	92.02.11	1133.04	F	32.58	F	1165.62	F
	92.02.18	1138.78	F	26.84	F	1165.62	F
	92.02.25	1138.24	F	27.38	F	1165.62	F
	92.03.10	1140.85	F	24.77	F	1165.62	F
	92.03.17	1141.75	F	23.87	F	1165.62	F
	92.03.24	1140.67	F	24.95	F	1165.62	F
	92.04.07	1142.04	F	23.58	F	1165.62	F
	92.04.22	1140.67	F	24.95	F	1165.62	F
	92.05.05	1139.73	F	25.89	F	1165.62	F
	92.05.12	1140.11	F	25.51	F	1165.62	F
	92.05.26	1140.78	F	24.84	F	1165.62	F
	92.06.02	1140.83	F	24.79	F	1165.62	F
	92.06.09	1140.41	F	25.21	F	1165.62	F
	92.06.23	1139.40	F	26.22	F	1165.62	F
	92.07.14	1135.72	F	29.90	F	1165.62	F
	92.07.29	1137.94	F	27.68	F	1165.62	F
	92.08.10	1136.06	F	29.56	F	1165.62	F
	92.08.25	1138.84	F	26.78	F	1165.62	F
	92.09.10	1140.94	F	24.68	F	1165.62	F
	92.09.24	1137.77	F	27.85	F	1165.62	F
	92.10.12	1133.58	F	32.04	F	1165.62	F
	92.11.06	1129.65	F	35.97	F	1165.62	F
HRLF-3	92.01.20	1129.31	F	35.88	F	1165.19	F
	92.01.28	1133.44	F	31.75	F	1165.19	F
	92.02.04	1134.73	F	30.46	F	1165.19	F
	92.02.11	1136.56	F	28.63	F	1165.19	F
	92.02.18	1142.35	F	22.84	F	1165.19	F
	92.02.25	1140.70	F	24.49	F	1165.19	F
	92.03.10	1143.69	F	21.50	F	1165.19	F
	92.03.17	1144.92	F	20.27	F	1165.19	F
	92.03.24	1142.50	F	22.69	F	1165.19	F
	92.04.07	1143.63	F	21.56	F	1165.19	F
	92.04.22	1142.24	F	22.95	F	1165.19	F
	92.05.05	1141.27	F	23.92	F	1165.19	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
HRLF-3	92.05.12	1141.77	F	23.42	F	1165.19	F
	92.05.26	1142.46	F	22.73	F	1165.19	F
	92.06.02	1142.44	F	22.75	F	1165.19	F
	92.06.09	1141.87	F	23.32	F	1165.19	F
	92.06.23	1140.88	F	24.31	F	1165.19	F
	92.07.14	1136.42	F	28.77	F	1165.19	F
	92.07.29	1138.88	F	26.31	F	1165.19	F
	92.08.10	1136.74	F	28.45	F	1165.19	F
	92.08.25	1141.03	F	24.16	F	1165.19	F
	92.09.10	1142.34	F	22.85	F	1165.19	F
	92.09.24	1138.96	F	26.23	F	1165.19	F
	92.10.12	1134.45	F	30.74	F	1165.19	F
	92.11.06	1130.31	F	34.88	F	1165.19	F
HRLF-4	92.01.20	1130.20	F	28.71	F	1158.91	F
	92.01.28	1133.92	F	24.99	F	1158.91	F
	92.02.04	1134.85	F	24.06	F	1158.91	F
	92.02.11	1137.16	F	21.75	F	1158.91	F
	92.02.18	1142.37	F	16.54	F	1158.91	F
	92.02.25	1140.43	F	18.48	F	1158.91	F
	92.03.10	1143.53	F	15.38	F	1158.91	F
	92.03.17	1143.17	F	15.74	F	1158.91	F
	92.03.24	1142.13	F	16.78	F	1158.91	F
	92.04.07	1143.24	F	15.67	F	1158.91	F
	92.04.22	1141.74	F	17.17	F	1158.91	F
	92.05.05	1140.70	F	18.21	F	1158.91	F
	92.05.26	1141.99	F	16.92	F	1158.91	F
	92.06.02	1141.94	F	16.97	F	1158.91	F
	92.06.09	1141.10	F	17.81	F	1158.91	F
	92.06.23	1139.79	F	19.12	F	1158.91	F
	92.07.14	1135.37	F	23.54	F	1158.91	F
	92.07.29	1137.75	F	21.16	F	1158.91	F
	92.08.10	1135.55	F	23.36	F	1158.91	F
	92.08.25	1142.25	F	16.66	F	1158.91	F
	92.09.10	1141.35	F	17.56	F	1158.91	F
	92.09.24	1136.71	F	22.20	F	1158.91	F
	92.10.12	1132.48	F	26.43	F	1158.91	F
	92.11.06	1128.77	F	30.14	F	1158.91	F
IBB-14	92.06.09	1139.50	F	22.83	F	1162.33	F
IBB-6	92.06.09	1137.30	F	21.23	F	1158.53	F
MOBIL1-1	92.01.03	1088.40	F	88.24	F	1176.64	F
	92.01.31	1094.45	F	82.19	F	1176.64	F
	92.02.14	1098.79	F	77.85	F	1176.64	F
	92.03.04	1104.70	F	71.94	F	1176.64	F

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TECHNICAL DATA MANAGEMENT SYSTEM

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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
MOBIL1-1	92.04.14	1111.79	F	64.85	F	1176.64	F
	92.04.29	1113.04	F	63.60	F	1176.64	F
MOBIL1-2	92.01.03	1088.72	F	87.70	F	1176.42	F
	92.01.31	1094.81	F	81.61	F	1176.42	F
	92.02.14	1099.19	F	77.23	F	1176.42	F
	92.03.04	1105.12	F	71.30	F	1176.42	F
	92.04.14	1112.29	F	64.13	F	1176.42	F
	92.04.29	1113.45	F	62.97	F	1176.42	F
MOBIL1-3	92.01.03	1088.88	F	86.76	F	1175.64	F
	92.01.31	1095.03	F	80.61	F	1175.64	F
	92.02.14	1099.43	F	76.21	F	1175.64	F
	92.03.04	1105.30	F	70.34	F	1175.64	F
	92.04.14	1112.58	F	63.06	F	1175.64	F
	92.04.29	1113.74	F	61.90	F	1175.64	F
MOBIL1-4	92.01.03	1084.34	F	92.00	F	1176.34	F
	92.01.31	1094.09	F	82.25	F	1176.34	F
	92.02.14	1098.42	F	77.92	F	1176.34	F
	92.03.04	1104.32	F	72.02	F	1176.34	F
	92.04.14	1111.46	F	64.88	F	1176.34	F
	92.04.29	1112.85	F	63.49	F	1176.34	F
MOBIL2-1	92.01.13	1085.58	F	86.30	F	1171.88	F
	92.02.17	1093.48	F	78.40	F	1171.88	F
	92.03.07	1097.44	F	74.44	F	1171.88	F
	92.04.28	1105.48	F	66.40	F	1171.88	F
	92.07.09	1110.13	F	61.75	F	1171.88	F
	92.07.13	1109.36	F	62.52	F	1171.88	F
MOBIL2-2	92.01.13	1085.70	F	87.08	F	1172.78	F
	92.02.17	1093.66	F	79.12	F	1172.78	F
	92.03.07	1097.65	F	75.13	F	1172.78	F
	92.04.28	1105.70	F	67.08	F	1172.78	F
	92.05.14	1107.14	F	65.64	F	1172.78	F
	92.06.15	1110.50	F	62.28	F	1172.78	F
	92.07.09	1111.03	F	61.75	F	1172.78	F
	92.07.13	1110.75	F	62.03	F	1172.78	F
MOBIL2-3	92.01.13	1085.42	F	86.29	F	1171.71	F
	92.02.17	1093.37	F	78.34	F	1171.71	F
	92.03.07	1097.36	F	74.35	F	1171.71	F
	92.04.28	1105.42	F	66.29	F	1171.71	F
	92.05.14	1106.88	F	64.83	F	1171.71	F
	92.06.15	1109.17	F	62.54	F	1171.71	F
	92.07.09	1109.79	F	61.92	F	1171.71	F

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TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT — TDMII-010
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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
MOBIL2-3	92.07.13	1109.55	F	62.16	F	1171.71	F
MOBIL2-4	92.01.13	1085.57	F	86.53	F	1172.10	F
	92.02.17	1093.51	F	78.59	F	1172.10	F
	92.03.07	1095.46	F	76.64	F	1172.10	F
	92.04.28	1105.53	F	66.57	F	1172.10	F
	92.05.14	1106.98	F	65.12	F	1172.10	F
	92.06.15	1108.98	F	63.12	F	1172.10	F
	92.07.09	1109.88	F	62.22	F	1172.10	F
	92.07.13	1109.63	F	62.47	F	1172.10	F
MOBIL2-5	92.01.13	1085.60	F	86.57	F	1172.17	F
	92.02.17	1093.60	F	78.57	F	1172.17	F
	92.03.07	1097.54	F	74.63	F	1172.17	F
	92.04.28	1105.58	F	66.59	F	1172.17	F
	92.05.14	1106.92	F	65.25	F	1172.17	F
	92.06.15	1109.55	F	62.62	F	1172.17	F
	92.07.09	1109.92	F	62.25	F	1172.17	F
	92.07.13	1109.65	F	62.52	F	1172.17	F
MOBIL2-6	92.02.17	1094.05	F	77.59	F	1171.64	F
	92.03.07	1097.93	F	73.71	F	1171.64	F
	92.04.28	1106.02	F	65.62	F	1171.64	F
	92.05.14	1107.49	F	64.15	F	1171.64	F
	92.06.15	1110.06	F	61.58	F	1171.64	F
	92.07.09	1110.41	F	61.23	F	1171.64	F
	92.07.13	1110.16	F	61.48	F	1171.64	F
NW-1	92.01.16	1119.00	F	60.60	F	1179.60	F
	92.02.12	1128.00	F	51.60	F	1179.60	F
	92.03.12	1134.00	F	45.60	F	1179.60	F
	92.04.09	1136.80	F	42.80	F	1179.60	F
	92.05.14	1137.60	F	42.00	F	1179.60	F
NW-2	92.01.16	1106.90	F	72.60	F	1179.50	F
	92.02.14	1116.10	F	63.40	F	1179.50	F
	92.03.12	1121.50	F	58.00	F	1179.50	F
	92.04.09	1124.60	F	54.90	F	1179.50	F
	92.05.14	1126.90	F	52.60	F	1179.50	F
	92.06.12	1128.90	F	50.60	F	1179.50	F
NW-3	92.01.16	1098.80	F	83.30	F	1182.10	F
	92.02.14	1110.80	F	71.30	F	1182.10	F
	92.03.12	1116.30	F	65.80	F	1182.10	F
	92.04.10	1120.10	F	62.00	F	1182.10	F
	92.05.14	1122.80	F	59.30	F	1182.10	F
	92.06.12	1125.30	F	56.80	F	1182.10	F

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TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT

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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-10U	92.01.14	1090.01	F	91.77	F	1181.78	F
	92.01.21	1091.64	F	90.14	F	1181.78	F
	92.01.28	1093.61	F	88.17	F	1181.78	F
	92.02.04	1095.56	F	86.22	F	1181.78	F
	92.02.11	1097.40	F	84.38	F	1181.78	F
	92.02.18	1099.05	F	82.73	F	1181.78	F
	92.02.25	1100.67	F	81.11	F	1181.78	F
	92.03.02	1102.05	F	79.73	F	1181.78	F
	92.03.10	1103.52	F	78.26	F	1181.78	F
	92.03.17	1104.74	F	77.04	F	1181.78	F
	92.03.24	1105.86	F	75.92	F	1181.78	F
	92.03.31	1107.11	F	74.67	F	1181.78	F
	92.04.07	1108.30	F	73.48	F	1181.78	F
	92.04.16	1109.43	F	72.35	F	1181.78	F
	92.04.22	1110.13	F	71.65	F	1181.78	F
	92.04.28	1110.69	F	71.09	F	1181.78	F
	92.05.05	1111.23	F	70.55	F	1181.78	F
	92.05.12	1111.42	F	70.36	F	1181.78	F
	92.05.19	1112.13	F	69.65	F	1181.78	F
	92.05.26	1112.64	F	69.14	F	1181.78	F
	92.06.02	1113.46	F	68.32	F	1181.78	F
	92.06.09	1113.84	F	67.94	F	1181.78	F
	92.06.23	1114.52	F	67.26	F	1181.78	F
	92.07.14	1115.06	F	66.72	F	1181.78	F
	92.07.29	1115.29	F	66.49	F	1181.78	F
	92.08.10	1114.83	F	66.95	F	1181.78	F
	92.08.25	1116.09	F	65.69	F	1181.78	F
	92.09.10	1117.28	F	64.50	F	1181.78	F
	92.09.23	1118.07	F	63.71	F	1181.78	F
	92.10.12	1117.63	F	64.15	F	1181.78	F
	92.11.06	1116.66	F	65.12	F	1181.78	F
	92.12.10	1114.40	F	67.38	F	1181.78	F
	93.01.21	1120.99	F	60.79	F	1181.78	F
	93.02.04	1123.23	F	58.55	F	1181.78	F
	93.02.19	1126.39	F	55.39	F	1181.78	F
	93.03.04	1126.61	F	55.17	F	1181.78	F
	93.03.18	1126.49	F	55.29	F	1181.78	F
	93.03.30	1126.66	F	55.12	F	1181.78	F
	93.04.13	1126.98	F	54.80	F	1181.78	F
	93.04.29	1126.95	F	54.83	F	1181.78	F
	93.05.17	1127.06	F	54.72	F	1181.78	F
	93.05.27	1126.98	F	54.80	F	1181.78	F
	93.06.30	1126.27	F	55.51	F	1181.78	F
	93.07.28	1125.05	F	56.73	F	1181.78	F
	93.08.13	1124.24	F	57.54	F	1181.78	F
	93.09.15	1123.48	F	58.30	F	1181.78	F
	93.10.15	1122.03	F	59.75	F	1181.78	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-10U	93.11.19	1120.78	F	61.00	F	1181.78	F
	93.12.17	1120.06	F	61.72	F	1181.78	F
	94.01.14	1119.54	F	62.24	F	1181.78	F
	94.02.15	1117.44	F	64.34	F	1181.78	F
	94.03.15	1116.52	F	65.26	F	1181.78	F
	94.04.14	1115.58	F	66.20	F	1181.78	F
	94.05.16	1114.77	F	67.01	F	1181.78	F
	94.06.15	1114.10	F	67.68	F	1181.78	F
	94.07.15	1113.59	F	68.19	F	1181.78	F
SIBW-11MC	92.01.14	1050.31	F	127.80	F	1178.11	F
	92.01.21	1052.16	F	125.95	F	1178.11	F
	92.01.28	1053.88	F	124.23	F	1178.11	F
	92.02.04	1055.01	F	123.10	F	1178.11	F
	92.02.11	1056.39	F	121.72	F	1178.11	F
	92.02.18	1058.35	F	119.76	F	1178.11	F
	92.02.25	1058.76	F	119.35	F	1178.11	F
	92.03.02	1060.39	F	117.72	F	1178.11	F
	92.03.10	1061.62	F	116.49	F	1178.11	F
	92.03.17	1062.41	F	115.70	F	1178.11	F
	92.03.24	1061.31	F	116.80	F	1178.11	F
	92.03.31	1061.81	F	116.30	F	1178.11	F
	92.04.07	1063.80	F	114.31	F	1178.11	F
	92.04.16	1064.99	F	113.12	F	1178.11	F
	92.04.22	1065.68	F	112.43	F	1178.11	F
	92.04.28	1065.82	F	112.29	F	1178.11	F
	92.05.05	1066.39	F	111.72	F	1178.11	F
	92.05.12	1067.06	F	111.05	F	1178.11	F
	92.05.19	1066.54	F	111.57	F	1178.11	F
	92.05.26	1069.20	F	108.91	F	1178.11	F
	92.06.02	1069.86	F	108.25	F	1178.11	F
	92.06.09	1070.86	F	107.25	F	1178.11	F
	92.06.23	1070.62	F	107.49	F	1178.11	F
	92.07.14	1070.14	F	107.97	F	1178.11	F
	92.07.29	1069.73	F	108.38	F	1178.11	F
	92.08.10	1070.14	F	107.97	F	1178.11	F
	92.08.25	1072.24	F	105.87	F	1178.11	F
	92.09.10	1073.23	F	104.88	F	1178.11	F
	92.09.23	1073.31	F	104.80	F	1178.11	F
	92.10.12	1074.24	F	103.87	F	1178.11	F
	92.11.06	1070.20	F	107.91	F	1178.11	F
	92.12.10	1071.70	F	106.41	F	1178.11	F
	93.01.21	1082.04	F	96.07	F	1178.11	F
	93.02.04	1081.97	F	96.14	F	1178.11	F
	93.02.19	1085.11	F	93.00	F	1178.11	F
	93.03.04	1086.25	F	91.86	F	1178.11	F
	93.03.18	1084.43	F	93.68	F	1178.11	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-11MC	93.03.30	1085.93	F	92.18	F	1178.11	F
	93.04.13	1087.56	F	90.55	F	1178.11	F
	93.04.29	1088.64	F	89.47	F	1178.11	F
	93.05.17	1088.96	F	89.15	F	1178.11	F
	93.05.27	1090.31	F	87.80	F	1178.11	F
	93.06.30	1084.87	F	93.24	F	1178.11	F
	93.07.28	1084.81	F	93.30	F	1178.11	F
	93.08.13	1081.97	F	96.14	F	1178.11	F
	93.09.15	1085.07	F	93.04	F	1178.11	F
	93.10.15	1086.76	F	91.35	F	1178.11	F
	93.11.19	1083.64	F	94.47	F	1178.11	F
	93.12.17	1086.39	F	91.72	F	1178.11	F
	94.01.14	1088.18	F	89.93	F	1178.11	F
	94.02.15	1088.57	F	89.54	F	1178.11	F
	94.03.15	1086.90	F	91.21	F	1178.11	F
	94.04.14	1082.61	F	95.50	F	1178.11	F
	94.05.16	1078.22	F	99.89	F	1178.11	F
	94.06.15	1076.72	F	101.39	F	1178.11	F
	94.07.15	1074.24	F	103.87	F	1178.11	F
SIBW-12L	92.01.14	1063.57	F	113.19	F	1176.76	F
	92.01.21	1065.52	F	111.24	F	1176.76	F
	92.01.28	1067.43	F	109.33	F	1176.76	F
	92.02.04	1068.66	F	108.10	F	1176.76	F
	92.02.11	1069.89	F	106.87	F	1176.76	F
	92.02.18	1071.64	F	105.12	F	1176.76	F
	92.02.25	1072.53	F	104.23	F	1176.76	F
	92.03.02	1073.84	F	102.92	F	1176.76	F
	92.03.10	1075.17	F	101.59	F	1176.76	F
	92.03.17	1076.12	F	100.64	F	1176.76	F
	92.03.24	1075.41	F	101.35	F	1176.76	F
	92.03.31	1075.63	F	101.13	F	1176.76	F
	92.04.07	1077.27	F	99.49	F	1176.76	F
	92.04.16	1078.75	F	98.01	F	1176.76	F
	92.04.22	1079.48	F	97.28	F	1176.76	F
	92.04.28	1079.88	F	96.88	F	1176.76	F
	92.05.05	1080.03	F	96.73	F	1176.76	F
	92.05.12	1080.81	F	95.95	F	1176.76	F
	92.05.19	1081.25	F	95.51	F	1176.76	F
	92.05.26	1082.21	F	94.55	F	1176.76	F
	92.06.02	1082.85	F	93.91	F	1176.76	F
	92.06.09	1083.38	F	93.38	F	1176.76	F
	92.06.23	1083.71	F	93.05	F	1176.76	F
	92.07.14	1083.41	F	93.35	F	1176.76	F
	92.07.29	1083.08	F	93.68	F	1176.76	F
	92.08.10	1083.49	F	93.27	F	1176.76	F
	92.08.25	1085.35	F	91.41	F	1176.76	F

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WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-12L	92.09.10	1086.86	F	89.90	F	1176.76	F
	92.09.23	1086.76	F	90.00	F	1176.76	F
	92.10.12	1087.47	F	89.29	F	1176.76	F
	92.11.06	1083.21	F	93.55	F	1176.76	F
	92.12.11	1084.37	F	92.39	F	1176.76	F
	93.01.21	1093.41	F	83.35	F	1176.76	F
	93.02.04	1094.12	F	82.64	F	1176.76	F
	93.02.19	1096.82	F	79.94	F	1176.76	F
	93.03.18	1095.82	F	80.94	F	1176.76	F
	93.03.30	1096.81	F	79.95	F	1176.76	F
	93.04.13	1098.76	F	78.00	F	1176.76	F
	93.04.29	1099.46	F	77.30	F	1176.76	F
	93.05.17	1099.43	F	77.33	F	1176.76	F
	93.05.27	1099.91	F	76.85	F	1176.76	F
	93.06.30	1094.89	F	81.87	F	1176.76	F
	93.07.28	1095.92	F	80.84	F	1176.76	F
	93.08.13	1093.69	F	83.07	F	1176.76	F
	93.09.15	1095.86	F	80.90	F	1176.76	F
	93.10.15	1098.41	F	78.35	F	1176.76	F
	93.11.19	1094.66	F	82.10	F	1176.76	F
	93.12.17	1096.70	F	80.06	F	1176.76	F
	94.01.14	1097.77	F	78.99	F	1176.76	F
	94.02.15	1097.71	F	79.05	F	1176.76	F
	94.03.15	1096.75	F	80.01	F	1176.76	F
	94.04.14	1089.06	F	87.70	F	1176.76	F
	94.05.16	1085.37	F	91.39	F	1176.76	F
	94.06.15	1087.97	F	88.79	F	1176.76	F
	94.07.15	1086.64	F	90.12	F	1176.76	F
SIBW-13MC	92.01.14	1058.06	F	125.05	F	1183.11	F
	92.01.21	1059.68	F	123.43	F	1183.11	F
	92.01.28	1061.19	F	121.92	F	1183.11	F
	92.02.04	1062.55	F	120.56	F	1183.11	F
	92.02.11	1063.57	F	119.54	F	1183.11	F
	92.02.18	1065.26	F	117.85	F	1183.11	F
	92.02.25	1065.93	F	117.18	F	1183.11	F
	92.03.02	1067.13	F	115.98	F	1183.11	F
	92.03.10	1068.49	F	114.62	F	1183.11	F
	92.03.17	1069.36	F	113.75	F	1183.11	F
	92.03.24	1067.82	F	115.29	F	1183.11	F
	92.03.31	1067.71	F	115.40	F	1183.11	F
	92.04.07	1070.08	F	113.03	F	1183.11	F
	92.04.16	1071.86	F	111.25	F	1183.11	F
	92.04.22	1072.67	F	110.44	F	1183.11	F
	92.04.28	1073.11	F	110.00	F	1183.11	F
	92.05.05	1073.31	F	109.80	F	1183.11	F
	92.05.12	1074.19	F	108.92	F	1183.11	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-13MC	92.05.19	1072.90	F	110.21	F	1183.11	F
	92.05.26	1075.63	F	107.48	F	1183.11	F
	92.06.02	1075.96	F	107.15	F	1183.11	F
	92.06.09	1076.40	F	106.71	F	1183.11	F
	92.06.23	1077.09	F	106.02	F	1183.11	F
	92.07.14	1077.15	F	105.96	F	1183.11	F
	92.07.29	1075.86	F	107.25	F	1183.11	F
	92.08.10	1077.50	F	105.61	F	1183.11	F
	92.08.25	1079.31	F	103.80	F	1183.11	F
	92.09.10	1080.64	F	102.47	F	1183.11	F
	92.09.23	1080.76	F	102.35	F	1183.11	F
	92.10.12	1081.51	F	101.60	F	1183.11	F
	92.11.06	1076.07	F	107.04	F	1183.11	F
	92.12.10	1077.78	F	105.33	F	1183.11	F
	93.01.21	1087.34	F	95.77	F	1183.11	F
	93.02.04	1087.21	F	95.90	F	1183.11	F
	93.02.19	1090.74	F	92.37	F	1183.11	F
	93.03.04	1091.90	F	91.21	F	1183.11	F
	93.03.18	1089.22	F	93.89	F	1183.11	F
	93.03.30	1090.27	F	92.84	F	1183.11	F
	93.04.13	1092.64	F	90.47	F	1183.11	F
	93.04.29	1093.43	F	89.68	F	1183.11	F
	93.05.17	1093.84	F	89.27	F	1183.11	F
	93.05.27	1094.51	F	88.60	F	1183.11	F
	93.06.30	1089.40	F	93.71	F	1183.11	F
	93.07.28	1090.26	F	92.85	F	1183.11	F
	93.08.13	1088.63	F	94.48	F	1183.11	F
	93.09.15	1090.91	F	92.20	F	1183.11	F
	93.10.15	1092.95	F	90.16	F	1183.11	F
	93.11.19	1088.48	F	94.63	F	1183.11	F
	93.12.17	1091.41	F	91.70	F	1183.11	F
	94.01.14	1093.02	F	90.09	F	1183.11	F
	94.02.15	1093.38	F	89.73	F	1183.11	F
	94.03.15	1092.05	F	91.06	F	1183.11	F
	94.04.14	1087.66	F	95.45	F	1183.11	F
	94.05.16	1083.53	F	99.58	F	1183.11	F
	94.06.15	1082.72	F	100.39	F	1183.11	F
	94.07.15	1081.43	F	101.68	F	1183.11	F
SIBW-14MC	92.01.14	1054.66	F	118.15	F	1172.81	F
	92.01.21	1056.91	F	115.90	F	1172.81	F
	92.01.28	1058.99	F	113.82	F	1172.81	F
	92.02.04	1060.19	F	112.62	F	1172.81	F
	92.02.11	1061.94	F	110.87	F	1172.81	F
	92.02.18	1064.13	F	108.68	F	1172.81	F
	92.02.25	1064.56	F	108.25	F	1172.81	F
	92.03.02	1066.26	F	106.55	F	1172.81	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-14MC	92.03.10	1067.63	F	105.18	F	1172.81	F
	92.03.17	1068.58	F	104.23	F	1172.81	F
	92.03.24	1067.92	F	104.89	F	1172.81	F
	92.03.31	1068.55	F	104.26	F	1172.81	F
	92.04.07	1070.27	F	102.54	F	1172.81	F
	92.04.16	1070.86	F	101.95	F	1172.81	F
	92.04.22	1071.45	F	101.36	F	1172.81	F
	92.04.28	1071.46	F	101.35	F	1172.81	F
	92.05.05	1071.85	F	100.96	F	1172.81	F
	92.05.12	1071.92	F	100.89	F	1172.81	F
	92.05.19	1073.45	F	99.36	F	1172.81	F
	92.05.26	1074.58	F	98.23	F	1172.81	F
	92.06.02	1075.35	F	97.46	F	1172.81	F
	92.06.09	1075.54	F	97.27	F	1172.81	F
	92.06.23	1075.60	F	97.21	F	1172.81	F
	92.07.14	1074.46	F	98.35	F	1172.81	F
	92.07.29	1073.00	F	99.81	F	1172.81	F
	92.08.10	1074.10	F	98.71	F	1172.81	F
	92.08.25	1076.98	F	95.83	F	1172.81	F
	92.09.14	1077.25	F	95.56	F	1172.81	F
	92.09.23	1077.91	F	94.90	F	1172.81	F
	92.10.12	1078.59	F	94.22	F	1172.81	F
	92.11.06	1075.81	F	97.00	F	1172.81	F
	92.12.10	1076.66	F	96.15	F	1172.81	F
	93.01.21	1087.30	F	85.51	F	1172.81	F
	93.02.04	1087.61	F	85.20	F	1172.81	F
	93.02.19	1090.11	F	82.70	F	1172.81	F
	93.03.04	1091.26	F	81.55	F	1172.81	F
	93.03.30	1091.50	F	81.31	F	1172.81	F
	93.04.13	1092.26	F	80.55	F	1172.81	F
	93.04.29	1093.01	F	79.80	F	1172.81	F
	93.05.17	1092.53	F	80.28	F	1172.81	F
	93.05.27	1093.74	F	79.07	F	1172.81	F
	93.06.30	1088.56	F	84.25	F	1172.81	F
	93.07.28	1087.40	F	85.41	F	1172.81	F
	93.08.13	1083.74	F	89.07	F	1172.81	F
	93.09.15	1088.19	F	84.62	F	1172.81	F
	93.10.15	1090.73	F	82.08	F	1172.81	F
	93.11.19	1088.57	F	84.24	F	1172.81	F
	93.12.17	1089.96	F	82.85	F	1172.81	F
	94.01.14	1111.70	F	61.11	F	1172.81	F
	94.02.15	1091.47	F	81.34	F	1172.81	F
	94.03.15	1090.02	F	82.79	F	1172.81	F
	94.05.16	1076.78	F	96.03	F	1172.81	F
	94.06.15	1076.52	F	96.29	F	1172.81	F
	94.07.15	1077.05	F	95.76	F	1172.81	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT TDMII-010
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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-15MB	92.01.14	1067.75	F	104.87	F	1172.62	F
	92.01.21	1069.75	F	102.87	F	1172.62	F
	92.01.28	1071.54	F	101.08	F	1172.62	F
	92.02.04	1072.96	F	99.66	F	1172.62	F
	92.02.11	1076.30	F	96.32	F	1172.62	F
	92.02.18	1076.01	F	96.61	F	1172.62	F
	92.02.25	1076.99	F	95.63	F	1172.62	F
	92.03.02	1078.24	F	94.38	F	1172.62	F
	92.03.10	1079.63	F	92.99	F	1172.62	F
	92.03.17	1080.57	F	92.05	F	1172.62	F
	92.03.24	1080.12	F	92.50	F	1172.62	F
	92.03.31	1080.37	F	92.25	F	1172.62	F
	92.04.07	1082.13	F	90.49	F	1172.62	F
	92.04.16	1083.67	F	88.95	F	1172.62	F
	92.04.22	1084.36	F	88.26	F	1172.62	F
	92.04.28	1084.63	F	87.99	F	1172.62	F
	92.05.05	1085.05	F	87.57	F	1172.62	F
	92.05.12	1086.74	F	85.88	F	1172.62	F
	92.05.19	1087.31	F	85.31	F	1172.62	F
	92.05.26	1088.28	F	84.34	F	1172.62	F
	92.06.02	1089.06	F	83.56	F	1172.62	F
	92.06.09	1089.37	F	83.25	F	1172.62	F
	92.06.23	1090.23	F	82.39	F	1172.62	F
	92.07.14	1090.49	F	82.13	F	1172.62	F
	92.07.29	1090.36	F	82.26	F	1172.62	F
	92.08.10	1090.47	F	82.15	F	1172.62	F
	92.08.25	1092.09	F	80.53	F	1172.62	F
	92.09.10	1093.50	F	79.12	F	1172.62	F
	92.09.23	1093.81	F	78.81	F	1172.62	F
	92.10.12	1094.02	F	78.60	F	1172.62	F
	92.11.06	1089.84	F	82.78	F	1172.62	F
	92.12.10	1090.22	F	82.40	F	1172.62	F
	93.01.21	1099.26	F	73.36	F	1172.62	F
	93.02.04	1099.69	F	72.93	F	1172.62	F
	93.02.19	1103.05	F	69.57	F	1172.62	F
	93.03.04	1104.01	F	68.61	F	1172.62	F
	93.03.18	1102.11	F	70.51	F	1172.62	F
	93.03.30	1102.96	F	69.66	F	1172.62	F
	93.04.13	1105.62	F	67.00	F	1172.62	F
	93.04.29	1106.07	F	66.55	F	1172.62	F
	93.05.17	1106.57	F	66.05	F	1172.62	F
	93.05.27	1107.13	F	65.49	F	1172.62	F
	93.06.30	1103.62	F	69.00	F	1172.62	F
	93.07.28	1103.51	F	69.11	F	1172.62	F
	93.08.13	1101.83	F	70.79	F	1172.62	F
	93.09.15	1103.46	F	69.16	F	1172.62	F
	93.10.15	1104.29	F	68.33	F	1172.62	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-15MB	93.11.19	1100.60	F	72.02	F	1172.62	F
	93.12.17	1101.67	F	70.95	F	1172.62	F
	94.01.14	1102.36	F	70.26	F	1172.62	F
	94.02.15	1101.16	F	71.46	F	1172.62	F
	94.03.15	1100.83	F	71.79	F	1172.62	F
	94.04.14	1097.74	F	74.88	F	1172.62	F
	94.05.16	1094.55	F	78.07	F	1172.62	F
	94.06.15	1093.58	F	79.04	F	1172.62	F
	94.07.15	1092.10	F	80.52	F	1172.62	F
SIBW-16MB	92.01.14	1066.95	F	109.88	F	1176.83	F
	92.01.21	1068.98	F	107.85	F	1176.83	F
	92.01.28	1070.76	F	106.07	F	1176.83	F
	92.02.04	1072.23	F	104.60	F	1176.83	F
	92.02.11	1073.66	F	103.17	F	1176.83	F
	92.02.18	1075.45	F	101.38	F	1176.83	F
	92.02.25	1076.33	F	100.50	F	1176.83	F
	92.03.02	1077.57	F	99.26	F	1176.83	F
	92.03.10	1078.93	F	97.90	F	1176.83	F
	92.03.17	1079.70	F	97.13	F	1176.83	F
	92.03.24	1079.21	F	97.62	F	1176.83	F
	92.03.31	1079.60	F	97.23	F	1176.83	F
	92.04.07	1081.34	F	95.49	F	1176.83	F
	92.04.16	1082.58	F	94.25	F	1176.83	F
	92.04.22	1083.28	F	93.55	F	1176.83	F
	92.04.28	1083.82	F	93.01	F	1176.83	F
	92.05.05	1084.01	F	92.82	F	1176.83	F
	92.05.12	1079.56	F	97.27	F	1176.83	F
	92.05.19	1084.85	F	91.98	F	1176.83	F
	92.05.26	1086.15	F	90.68	F	1176.83	F
	92.06.02	1086.56	F	90.27	F	1176.83	F
	92.06.09	1087.14	F	89.69	F	1176.83	F
	92.06.23	1087.65	F	89.18	F	1176.83	F
	92.07.14	1087.27	F	89.56	F	1176.83	F
	92.07.29	1085.91	F	90.92	F	1176.83	F
	92.08.10	1087.38	F	89.45	F	1176.83	F
	92.08.25	1089.13	F	87.70	F	1176.83	F
	92.09.10	1090.71	F	86.12	F	1176.83	F
	92.09.23	1090.33	F	86.50	F	1176.83	F
	92.10.12	1091.25	F	85.58	F	1176.83	F
	92.12.11	1088.13	F	88.70	F	1176.83	F
	93.01.21	1096.98	F	79.85	F	1176.83	F
	93.02.04	1097.83	F	79.00	F	1176.83	F
	93.02.19	1100.51	F	76.32	F	1176.83	F
	93.03.18	1099.31	F	77.52	F	1176.83	F
	93.03.30	1100.39	F	76.44	F	1176.83	F
	93.04.13	1102.27	F	74.56	F	1176.83	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-16MB	93.04.29	1102.74	F	74.09	F	1176.83	F
	93.05.17	1102.30	F	74.53	F	1176.83	F
	93.05.27	1102.83	F	74.00	F	1176.83	F
	93.06.30	1098.73	F	78.10	F	1176.83	F
	93.07.28	1100.25	F	76.58	F	1176.83	F
	93.08.13	1097.10	F	79.73	F	1176.83	F
	93.09.15	1098.75	F	78.08	F	1176.83	F
	93.10.15	1101.70	F	75.13	F	1176.83	F
	93.11.19	1098.43	F	78.40	F	1176.83	F
	93.12.17	1099.75	F	77.08	F	1176.83	F
	94.01.14	1100.70	F	76.13	F	1176.83	F
	94.02.15	1100.32	F	76.51	F	1176.83	F
	94.03.15	1099.37	F	77.46	F	1176.83	F
	94.04.14	1092.83	F	84.00	F	1176.83	F
	94.05.16	1089.74	F	87.09	F	1176.83	F
	94.06.15	1090.79	F	86.04	F	1176.83	F
	94.07.15	1089.79	F	87.04	F	1176.83	F
SIBW-17MB	92.01.14	1069.05	F	111.71	F	1180.76	F
	92.01.21	1070.94	F	109.82	F	1180.76	F
	92.01.28	1072.50	F	108.26	F	1180.76	F
	92.02.04	1073.90	F	106.86	F	1180.76	F
	92.02.11	1075.12	F	105.64	F	1180.76	F
	92.02.18	1076.65	F	104.11	F	1180.76	F
	92.02.25	1077.54	F	103.22	F	1180.76	F
	92.03.02	1078.86	F	101.90	F	1180.76	F
	92.03.10	1080.11	F	100.65	F	1180.76	F
	92.03.17	1080.99	F	99.77	F	1180.76	F
	92.03.24	1080.57	F	100.19	F	1180.76	F
	92.03.31	1080.69	F	100.07	F	1180.76	F
	92.04.07	1082.48	F	98.28	F	1180.76	F
	92.04.16	1083.92	F	96.84	F	1180.76	F
	92.04.22	1084.78	F	95.98	F	1180.76	F
	92.04.28	1085.16	F	95.60	F	1180.76	F
	92.05.05	1085.48	F	95.28	F	1180.76	F
	92.05.12	1088.31	F	92.45	F	1180.76	F
	92.05.19	1088.15	F	92.61	F	1180.76	F
	92.05.26	1089.61	F	91.15	F	1180.76	F
	92.06.02	1090.13	F	90.63	F	1180.76	F
	92.06.09	1089.82	F	90.94	F	1180.76	F
	92.06.23	1091.61	F	89.15	F	1180.76	F
	92.07.14	1092.07	F	88.69	F	1180.76	F
	92.07.29	1092.21	F	88.55	F	1180.76	F
	92.08.10	1092.16	F	88.60	F	1180.76	F
	92.08.25	1093.63	F	87.13	F	1180.76	F
	92.09.10	1095.26	F	85.50	F	1180.76	F
	92.09.23	1095.54	F	85.22	F	1180.76	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-17MB	92.10.12	1095.76	F	85.00	F	1180.76	F
	92.11.06	1091.26	F	89.50	F	1180.76	F
	92.12.10	1091.53	F	89.23	F	1180.76	F
	93.01.21	1120.35	F	60.41	F	1180.76	F
	93.02.04	1100.43	F	80.33	F	1180.76	F
	93.02.19	1104.14	F	76.62	F	1180.76	F
	93.03.04	1104.76	F	76.00	F	1180.76	F
	93.03.18	1102.81	F	77.95	F	1180.76	F
	93.03.30	1103.18	F	77.58	F	1180.76	F
	93.04.13	1106.80	F	73.96	F	1180.76	F
	93.04.29	1107.28	F	73.48	F	1180.76	F
	93.05.17	1107.98	F	72.78	F	1180.76	F
	93.05.27	1108.41	F	72.35	F	1180.76	F
	93.06.30	1105.29	F	75.47	F	1180.76	F
	93.07.28	1104.99	F	75.77	F	1180.76	F
	93.08.13	1103.98	F	76.78	F	1180.76	F
	93.09.15	1104.97	F	75.79	F	1180.76	F
	93.10.15	1105.43	F	75.33	F	1180.76	F
	93.11.19	1101.47	F	79.29	F	1180.76	F
	93.12.17	1102.82	F	77.94	F	1180.76	F
	94.01.14	1103.22	F	77.54	F	1180.76	F
	94.02.15	1101.61	F	79.15	F	1180.76	F
	94.03.15	1101.97	F	78.79	F	1180.76	F
	94.04.14	1098.88	F	81.88	F	1180.76	F
	94.05.16	1096.30	F	84.46	F	1180.76	F
	94.06.15	1095.32	F	85.44	F	1180.76	F
	94.07.15	1093.84	F	86.92	F	1180.76	F
SIBW-18MB	92.01.14	1067.49	F	105.08	F	1172.57	F
	92.01.21	1069.82	F	102.75	F	1172.57	F
	92.01.28	1071.79	F	100.78	F	1172.57	F
	92.02.04	1073.17	F	99.40	F	1172.57	F
	92.02.11	1074.76	F	97.81	F	1172.57	F
	92.02.18	1076.45	F	96.12	F	1172.57	F
	92.02.25	1077.59	F	94.98	F	1172.57	F
	92.03.02	1078.95	F	93.62	F	1172.57	F
	92.03.10	1080.38	F	92.19	F	1172.57	F
	92.03.17	1081.24	F	91.33	F	1172.57	F
	92.03.24	1080.99	F	91.58	F	1172.57	F
	92.03.31	1081.41	F	91.16	F	1172.57	F
	92.04.07	1083.02	F	89.55	F	1172.57	F
	92.04.16	1084.22	F	88.35	F	1172.57	F
	92.04.22	1084.99	F	87.58	F	1172.57	F
	92.04.28	1085.25	F	87.32	F	1172.57	F
	92.05.05	1085.60	F	86.97	F	1172.57	F
	92.05.12	1086.82	F	85.75	F	1172.57	F
	92.05.19	1087.66	F	84.91	F	1172.57	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-18MB	92.05.26	1088.60	F	83.97	F	1172.57	F
	92.06.02	1089.39	F	83.18	F	1172.57	F
	92.06.09	1088.92	F	83.65	F	1172.57	F
	92.06.23	1090.32	F	82.25	F	1172.57	F
	92.07.14	1090.18	F	82.39	F	1172.57	F
	92.07.29	1090.24	F	82.33	F	1172.57	F
	92.08.10	1090.15	F	82.42	F	1172.57	F
	92.08.25	1092.01	F	80.56	F	1172.57	F
	92.09.14	1093.13	F	79.44	F	1172.57	F
	92.09.23	1093.72	F	78.85	F	1172.57	F
	92.10.12	1093.78	F	78.79	F	1172.57	F
	92.11.06	1090.21	F	82.36	F	1172.57	F
	93.02.04	1100.42	F	72.15	F	1172.57	F
	93.02.19	1103.32	F	69.25	F	1172.57	F
	93.03.04	1104.60	F	67.97	F	1172.57	F
	93.03.18	1102.60	F	69.97	F	1172.57	F
	93.03.30	1103.89	F	68.68	F	1172.57	F
	93.04.13	1105.82	F	66.75	F	1172.57	F
	93.04.29	1106.17	F	66.40	F	1172.57	F
	93.05.17	1106.90	F	65.67	F	1172.57	F
	93.05.27	1107.75	F	64.82	F	1172.57	F
	93.06.30	1103.79	F	68.78	F	1172.57	F
	93.07.28	1103.30	F	69.27	F	1172.57	F
	93.08.13	1101.25	F	71.32	F	1172.57	F
	93.09.15	1103.18	F	69.39	F	1172.57	F
	93.10.15	1104.29	F	68.28	F	1172.57	F
	93.11.19	1100.78	F	71.79	F	1172.57	F
	93.12.17	1101.72	F	70.85	F	1172.57	F
	94.01.14	1102.19	F	70.38	F	1172.57	F
	94.02.15	1101.29	F	71.28	F	1172.57	F
	94.03.15	1100.80	F	71.77	F	1172.57	F
	94.05.16	1094.53	F	78.04	F	1172.57	F
	94.06.15	1092.74	F	79.83	F	1172.57	F
	94.07.15	1091.31	F	81.26	F	1172.57	F
SIBW-19U	92.01.14	1097.43	F	75.52	F	1172.95	F
	92.01.17	1099.63	F	73.32	F	1172.95	F
	92.01.21	1101.86	F	71.09	F	1172.95	F
	92.01.28	1105.97	F	66.98	F	1172.95	F
	92.02.04	1109.05	F	63.90	F	1172.95	F
	92.02.11	1111.25	F	61.70	F	1172.95	F
	92.02.18	1113.66	F	59.29	F	1172.95	F
	92.02.25	1115.50	F	57.45	F	1172.95	F
	92.03.04	1117.11	F	55.84	F	1172.95	F
	92.03.10	1118.39	F	54.56	F	1172.95	F
	92.03.17	1120.11	F	52.84	F	1172.95	F
	92.03.24	1120.88	F	52.07	F	1172.95	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-19U	92.03.31	1121.96	F	50.99	F	1172.95	F
	92.04.07	1122.82	F	50.13	F	1172.95	F
	92.04.14	1123.64	F	49.31	F	1172.95	F
	92.04.23	1123.95	F	49.00	F	1172.95	F
	92.04.27	1124.04	F	48.91	F	1172.95	F
	92.05.05	1124.33	F	48.62	F	1172.95	F
	92.05.12	1124.73	F	48.22	F	1172.95	F
	92.05.19	1125.38	F	47.57	F	1172.95	F
	92.05.27	1125.92	F	47.03	F	1172.95	F
	92.06.02	1126.51	F	46.44	F	1172.95	F
	92.06.09	1126.85	F	46.10	F	1172.95	F
	92.06.16	1127.00	F	45.95	F	1172.95	F
	92.06.23	1127.30	F	45.65	F	1172.95	F
	92.06.30	1127.16	F	45.79	F	1172.95	F
	92.07.07	1126.18	F	46.77	F	1172.95	F
	92.07.17	1125.42	F	47.53	F	1172.95	F
	92.07.24	1124.79	F	48.16	F	1172.95	F
	92.07.29	1125.56	F	47.39	F	1172.95	F
	92.08.05	1125.74	F	47.21	F	1172.95	F
	92.08.13	1125.50	F	47.45	F	1172.95	F
	92.08.19	1125.22	F	47.73	F	1172.95	F
	92.08.25	1124.15	F	48.80	F	1172.95	F
	92.09.02	1126.86	F	46.09	F	1172.95	F
	92.09.10	1127.89	F	45.06	F	1172.95	F
	92.09.21	1127.98	F	44.97	F	1172.95	F
	92.10.16	1125.91	F	47.04	F	1172.95	F
	92.10.27	1124.75	F	48.20	F	1172.95	F
	92.11.03	1123.97	F	48.98	F	1172.95	F
	92.11.17	1122.24	F	50.71	F	1172.95	F
	92.12.01	1120.43	F	52.52	F	1172.95	F
	93.01.04	1121.43	F	51.52	F	1172.95	F
	93.01.07	1123.05	F	49.90	F	1172.95	F
	93.01.21	1131.84	F	41.11	F	1172.95	F
	93.02.04	1133.38	F	39.57	F	1172.95	F
	93.02.17	1134.34	F	38.61	F	1172.95	F
	93.03.04	1135.63	F	37.32	F	1172.95	F
	93.03.19	1135.24	F	37.71	F	1172.95	F
	93.04.02	1135.40	F	37.55	F	1172.95	F
	93.04.14	1135.16	F	37.79	F	1172.95	F
	93.04.28	1134.81	F	38.14	F	1172.95	F
	93.05.12	1134.94	F	38.01	F	1172.95	F
	93.06.14	1134.22	F	38.73	F	1172.95	F
	93.07.14	1131.40	F	41.55	F	1172.95	F
SIBW-1U	92.01.14	1095.95	F	77.85	F	1173.80	F
	92.01.21	1099.67	F	74.13	F	1173.80	F
	92.01.28	1103.43	F	70.37	F	1173.80	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-1U	92.02.04	1110.33	F	63.47	F	1173.80	F
	92.02.11	1108.50	F	65.30	F	1173.80	F
	92.02.18	1110.80	F	63.00	F	1173.80	F
	92.02.25	1112.61	F	61.19	F	1173.80	F
	92.03.02	1114.08	F	59.72	F	1173.80	F
	92.03.10	1115.58	F	58.22	F	1173.80	F
	92.03.17	1117.09	F	56.71	F	1173.80	F
	92.03.24	1118.00	F	55.80	F	1173.80	F
	92.03.31	1119.11	F	54.69	F	1173.80	F
	92.04.07	1120.19	F	53.61	F	1173.80	F
	92.04.16	1120.93	F	52.87	F	1173.80	F
	92.04.22	1121.24	F	52.56	F	1173.80	F
	92.04.28	1121.63	F	52.17	F	1173.80	F
	92.05.05	1122.02	F	51.78	F	1173.80	F
	92.05.12	1122.05	F	51.75	F	1173.80	F
	92.05.19	1121.84	F	51.96	F	1173.80	F
	92.05.26	1123.41	F	50.39	F	1173.80	F
	92.06.02	1123.89	F	49.91	F	1173.80	F
	92.06.09	1124.46	F	49.34	F	1173.80	F
	92.06.23	1124.82	F	48.98	F	1173.80	F
	92.07.14	1123.70	F	50.10	F	1173.80	F
	92.07.29	1123.69	F	50.11	F	1173.80	F
	92.08.10	1123.94	F	49.86	F	1173.80	F
	92.08.25	1123.62	F	50.18	F	1173.80	F
	92.09.10	1125.85	F	47.95	F	1173.80	F
	92.09.23	1126.09	F	47.71	F	1173.80	F
	92.10.12	1124.93	F	48.87	F	1173.80	F
	92.11.06	1122.60	F	51.20	F	1173.80	F
	92.12.10	1119.67	F	54.13	F	1173.80	F
	93.01.21	1129.45	F	44.35	F	1173.80	F
	93.02.04	1131.56	F	42.24	F	1173.80	F
	93.02.19	1133.09	F	40.71	F	1173.80	F
	93.03.05	1133.99	F	39.81	F	1173.80	F
	93.03.18	1133.95	F	39.85	F	1173.80	F
	93.03.30	1133.70	F	40.10	F	1173.80	F
	93.04.13	1133.95	F	39.85	F	1173.80	F
	93.04.29	1133.40	F	40.40	F	1173.80	F
	93.05.17	1133.62	F	40.18	F	1173.80	F
	93.05.27	1133.43	F	40.37	F	1173.80	F
	93.06.30	1131.67	F	42.13	F	1173.80	F
	93.07.28	1129.54	F	44.26	F	1173.80	F
	93.08.13	1128.57	F	45.23	F	1173.80	F
	93.09.15	1127.38	F	46.42	F	1173.80	F
	93.10.15	1126.05	F	47.75	F	1173.80	F
	93.11.19	1125.08	F	48.72	F	1173.80	F
	93.12.17	1124.01	F	49.79	F	1173.80	F
	94.01.14	1122.17	F	51.63	F	1173.80	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-1U	94.02.15	1120.69	F	53.11	F	1173.80	F
	94.03.16	1119.74	F	54.06	F	1173.80	F
	94.04.14	1118.73	F	55.07	F	1173.80	F
	94.05.16	1117.89	F	55.91	F	1173.80	F
	94.06.15	1117.29	F	56.51	F	1173.80	F
	94.07.15	1116.69	F	57.11	F	1173.80	F
SIBW-20U	92.01.14	1093.80	F	78.56	F	1172.36	F
	92.01.17	1095.35	F	77.01	F	1172.36	F
	92.01.21	1097.05	F	75.31	F	1172.36	F
	92.01.28	1100.75	F	71.61	F	1172.36	F
	92.02.04	1103.34	F	69.02	F	1172.36	F
	92.02.11	1105.49	F	66.87	F	1172.36	F
	92.02.18	1107.72	F	64.64	F	1172.36	F
	92.02.25	1109.63	F	62.73	F	1172.36	F
	92.03.04	1111.35	F	61.01	F	1172.36	F
	92.03.10	1112.61	F	59.75	F	1172.36	F
	92.03.17	1114.33	F	58.03	F	1172.36	F
	92.03.24	1115.23	F	57.13	F	1172.36	F
	92.03.31	1116.34	F	56.02	F	1172.36	F
	92.04.07	1117.34	F	55.02	F	1172.36	F
	92.04.14	1118.28	F	54.08	F	1172.36	F
	92.04.23	1118.80	F	53.56	F	1172.36	F
	92.04.27	1118.96	F	53.40	F	1172.36	F
	92.05.05	1119.41	F	52.95	F	1172.36	F
	92.05.12	1119.79	F	52.57	F	1172.36	F
	92.05.19	1120.47	F	51.89	F	1172.36	F
	92.05.27	1120.95	F	51.41	F	1172.36	F
	92.06.02	1121.51	F	50.85	F	1172.36	F
	92.06.09	1121.92	F	50.44	F	1172.36	F
	92.06.16	1122.17	F	50.19	F	1172.36	F
	92.06.23	1122.58	F	49.78	F	1172.36	F
	92.06.30	1122.56	F	49.80	F	1172.36	F
	92.07.07	1121.94	F	50.42	F	1172.36	F
	92.07.17	1121.44	F	50.92	F	1172.36	F
	92.07.24	1120.97	F	51.39	F	1172.36	F
	92.07.29	1121.61	F	50.75	F	1172.36	F
	92.08.05	1121.82	F	50.54	F	1172.36	F
	92.08.13	1121.74	F	50.62	F	1172.36	F
	92.08.19	1121.58	F	50.78	F	1172.36	F
	92.08.25	1121.46	F	50.90	F	1172.36	F
	92.09.02	1122.80	F	49.56	F	1172.36	F
	92.09.10	1123.75	F	48.61	F	1172.36	F
	92.09.21	1124.05	F	48.31	F	1172.36	F
	92.10.16	1122.57	F	49.79	F	1172.36	F
	92.10.27	1121.62	F	50.74	F	1172.36	F
	92.11.03	1120.98	F	51.38	F	1172.36	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-20U	92.11.17	1119.50	F	52.86	F	1172.36	F
	92.12.01	1117.93	F	54.43	F	1172.36	F
	93.01.04	1118.42	F	53.94	F	1172.36	F
	93.01.07	1119.54	F	52.82	F	1172.36	F
	93.01.21	1127.48	F	44.88	F	1172.36	F
	93.02.04	1129.33	F	43.03	F	1172.36	F
	93.02.17	1130.48	F	41.88	F	1172.36	F
	93.03.04	1131.89	F	40.47	F	1172.36	F
	93.03.19	1131.73	F	40.63	F	1172.36	F
	93.04.02	1132.01	F	40.35	F	1172.36	F
	93.04.14	1131.99	F	40.37	F	1172.36	F
	93.04.28	1131.68	F	40.68	F	1172.36	F
	93.05.12	1131.77	F	40.59	F	1172.36	F
	93.06.14	1131.31	F	41.05	F	1172.36	F
	93.07.14	1128.94	F	43.42	F	1172.36	F
SIBW-21U	92.08.13	1122.17	F	50.31	F	1172.48	F
	92.08.19	1121.98	F	50.50	F	1172.48	F
	92.08.25	1121.87	F	50.61	F	1172.48	F
	92.09.02	1123.28	F	49.20	F	1172.48	F
	92.09.10	1124.28	F	48.20	F	1172.48	F
	92.09.21	1124.51	F	47.97	F	1172.48	F
	92.10.16	1122.99	F	49.49	F	1172.48	F
	92.10.27	1122.00	F	50.48	F	1172.48	F
	92.11.03	1121.32	F	51.16	F	1172.48	F
	92.11.17	1119.81	F	52.67	F	1172.48	F
	92.12.01	1118.22	F	54.26	F	1172.48	F
	93.01.04	1118.76	F	53.72	F	1172.48	F
	93.01.07	1119.91	F	52.57	F	1172.48	F
	93.01.21	1127.96	F	44.52	F	1172.48	F
	93.02.04	1129.83	F	42.65	F	1172.48	F
	93.02.17	1130.99	F	41.49	F	1172.48	F
	93.03.04	1132.46	F	40.02	F	1172.48	F
	93.03.19	1132.18	F	40.30	F	1172.48	F
	93.04.02	1132.48	F	40.00	F	1172.48	F
	93.04.14	1132.51	F	39.97	F	1172.48	F
	93.04.28	1132.12	F	40.36	F	1172.48	F
	93.05.12	1132.21	F	40.27	F	1172.48	F
	93.06.14	1131.70	F	40.78	F	1172.48	F
	93.07.14	1129.37	F	43.11	F	1172.48	F
SIBW-22U	92.01.14	1094.31	F	77.28	F	1171.59	F
	92.01.17	1096.23	F	75.36	F	1171.59	F
	92.01.21	1098.04	F	73.55	F	1171.59	F
	92.01.28	1101.88	F	69.71	F	1171.59	F
	92.02.04	1104.73	F	66.86	F	1171.59	F
	92.02.11	1106.98	F	64.61	F	1171.59	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-22U	92.02.18	1109.30	F	62.29	F	1171.59	F
	92.02.25	1111.28	F	60.31	F	1171.59	F
	92.03.04	1113.02	F	58.57	F	1171.59	F
	92.03.10	1114.29	F	57.30	F	1171.59	F
	92.03.17	1116.02	F	55.57	F	1171.59	F
	92.03.24	1116.88	F	54.71	F	1171.59	F
	92.03.31	1118.01	F	53.58	F	1171.59	F
	92.04.07	1118.96	F	52.63	F	1171.59	F
	92.04.14	1119.87	F	51.72	F	1171.59	F
	92.04.23	1120.37	F	51.22	F	1171.59	F
	92.04.27	1120.48	F	51.11	F	1171.59	F
	92.05.05	1120.90	F	50.69	F	1171.59	F
	92.05.12	1121.25	F	50.34	F	1171.59	F
	92.05.19	1121.94	F	49.65	F	1171.59	F
	92.05.27	1122.45	F	49.14	F	1171.59	F
	92.06.02	1123.02	F	48.57	F	1171.59	F
	92.06.09	1123.40	F	48.19	F	1171.59	F
	92.06.16	1123.61	F	47.98	F	1171.59	F
	92.06.23	1123.96	F	47.63	F	1171.59	F
	92.06.30	1123.86	F	47.73	F	1171.59	F
	92.07.07	1123.10	F	48.49	F	1171.59	F
	92.07.17	1122.45	F	49.14	F	1171.59	F
	92.07.24	1121.91	F	49.68	F	1171.59	F
	92.07.29	1122.60	F	48.99	F	1171.59	F
	92.08.05	1122.78	F	48.81	F	1171.59	F
	92.08.13	1122.68	F	48.91	F	1171.59	F
	92.08.19	1122.44	F	49.15	F	1171.59	F
	92.08.25	1122.34	F	49.25	F	1171.59	F
	92.09.02	1123.88	F	47.71	F	1171.59	F
	92.09.10	1124.92	F	46.67	F	1171.59	F
	92.09.21	1125.14	F	46.45	F	1171.59	F
	92.10.16	1123.42	F	48.17	F	1171.59	F
	92.10.27	1122.33	F	49.26	F	1171.59	F
	92.11.03	1121.64	F	49.95	F	1171.59	F
	92.11.17	1120.05	F	51.54	F	1171.59	F
	92.12.01	1118.39	F	53.20	F	1171.59	F
	93.01.04	1119.10	F	52.49	F	1171.59	F
	93.01.07	1120.39	F	51.20	F	1171.59	F
	93.01.21	1128.59	F	43.00	F	1171.59	F
	93.02.04	1130.46	F	41.13	F	1171.59	F
	93.02.17	1131.55	F	40.04	F	1171.59	F
	93.03.04	1132.95	F	38.64	F	1171.59	F
	93.03.19	1132.71	F	38.88	F	1171.59	F
	93.04.02	1132.95	F	38.64	F	1171.59	F
	93.04.14	1132.98	F	38.61	F	1171.59	F
	93.04.28	1132.54	F	39.05	F	1171.59	F
	93.05.12	1132.69	F	38.90	F	1171.59	F

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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-22U	93.06.14	1132.09	F	39.50	F	1171.59	F
	93.07.14	1129.54	F	42.05	F	1171.59	F
SIBW-23U	93.10.15	1120.57	F	52.73	F	1173.30	F
	93.11.19	1119.12	F	54.18	F	1173.30	F
	93.12.17	1119.12	F	54.18	F	1173.30	F
	94.01.14	1117.46	F	55.84	F	1173.30	F
	94.02.15	1116.06	F	57.24	F	1173.30	F
	94.03.15	1115.20	F	58.10	F	1173.30	F
	94.04.14	1114.25	F	59.05	F	1173.30	F
	94.05.16	1113.04	F	60.26	F	1173.30	F
	94.06.15	1112.06	F	61.24	F	1173.30	F
	94.07.15	1111.32	F	61.98	F	1173.30	F
SIBW-24U	93.10.15	1120.54	F	53.31	F	1173.85	F
	93.11.19	1119.01	F	54.84	F	1173.85	F
	93.12.17	1119.02	F	54.83	F	1173.85	F
	94.01.14	1117.26	F	56.59	F	1173.85	F
	94.02.15	1116.06	F	57.79	F	1173.85	F
	94.03.15	1115.20	F	58.65	F	1173.85	F
	94.04.14	1114.21	F	59.64	F	1173.85	F
	94.05.16	1113.02	F	60.83	F	1173.85	F
	94.06.15	1111.94	F	61.91	F	1173.85	F
	94.07.15	1111.30	F	62.55	F	1173.85	F
SIBW-25U	93.10.15	1120.59	F	53.26	F	1173.85	F
	93.11.19	1119.05	F	54.80	F	1173.85	F
	93.12.17	1119.25	F	54.60	F	1173.85	F
	94.01.14	1117.46	F	56.39	F	1173.85	F
	94.02.15	1116.10	F	57.75	F	1173.85	F
	94.03.15	1115.27	F	58.58	F	1173.85	F
	94.04.14	1114.25	F	59.60	F	1173.85	F
	94.05.16	1113.09	F	60.76	F	1173.85	F
	94.06.15	1112.11	F	61.74	F	1173.85	F
	94.07.15	1111.38	F	62.47	F	1173.85	F
SIBW-26U	93.10.15	1120.18	F	63.69	F	1183.87	F
	93.11.19	1118.79	F	65.08	F	1183.87	F
	93.12.17	1117.93	F	65.94	F	1183.87	F
	94.01.14	1116.79	F	67.08	F	1183.87	F
	94.02.15	1115.86	F	68.01	F	1183.87	F
	94.03.15	1114.89	F	68.98	F	1183.87	F
	94.04.14	1113.97	F	69.90	F	1183.87	F
	94.05.16	1113.37	F	70.50	F	1183.87	F
	94.06.15	1112.84	F	71.03	F	1183.87	F
	94.07.15	1112.43	F	71.44	F	1183.87	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-27U	93.10.15	1119.94	F	59.42	F	1179.36	F
	93.11.19	1118.62	F	60.74	F	1179.36	F
	93.12.17	1118.03	F	61.33	F	1179.36	F
	94.01.14	1116.82	F	62.54	F	1179.36	F
	94.02.15	1115.77	F	63.59	F	1179.36	F
	94.03.15	1114.94	F	64.42	F	1179.36	F
	94.04.14	1113.99	F	65.37	F	1179.36	F
	94.05.16	1113.20	F	66.16	F	1179.36	F
	94.06.15	1112.57	F	66.79	F	1179.36	F
	94.07.15	1112.06	F	67.30	F	1179.36	F
SIBW-28U	93.10.15	1116.58	F	53.25	F	1169.83	F
	93.11.19	1115.33	F	54.50	F	1169.83	F
	93.12.17	1115.48	F	54.35	F	1169.83	F
	94.01.14	1114.52	F	55.31	F	1169.83	F
	94.02.15	1113.51	F	56.32	F	1169.83	F
	94.03.15	1112.91	F	56.92	F	1169.83	F
	94.04.14	1112.03	F	57.80	F	1169.83	F
	94.05.16	1110.77	F	59.06	F	1169.83	F
	94.06.15	1109.92	F	59.91	F	1169.83	F
	94.07.15	1109.18	F	60.65	F	1169.83	F
SIBW-29U	93.10.15	1120.71	F	49.00	F	1169.71	F
	93.11.19	1119.42	F	50.29	F	1169.71	F
	93.12.17	1119.30	F	50.41	F	1169.71	F
	94.01.14	1117.23	F	52.48	F	1169.71	F
	94.02.15	1115.93	F	53.78	F	1169.71	F
	94.03.15	1114.85	F	54.86	F	1169.71	F
	94.04.14	1113.84	F	55.87	F	1169.71	F
	94.05.16	1112.40	F	57.31	F	1169.71	F
	94.06.15	1111.27	F	58.44	F	1169.71	F
	94.07.15	1110.42	F	59.29	F	1169.71	F
SIBW-2U	92.01.14	1104.24	F	73.05	F	1177.29	F
	92.01.21	1108.31	F	68.98	F	1177.29	F
	92.01.28	1111.51	F	65.78	F	1177.29	F
	92.02.04	1113.82	F	63.47	F	1177.29	F
	92.02.11	1115.30	F	61.99	F	1177.29	F
	92.02.18	1117.26	F	60.03	F	1177.29	F
	92.02.25	1118.60	F	58.69	F	1177.29	F
	92.03.02	1119.70	F	57.59	F	1177.29	F
	92.03.10	1121.25	F	56.04	F	1177.29	F
	92.03.17	1122.62	F	54.67	F	1177.29	F
	92.03.24	1123.40	F	53.89	F	1177.29	F
	92.03.31	1124.49	F	52.80	F	1177.29	F
	92.04.07	1125.68	F	51.61	F	1177.29	F
	92.04.16	1125.81	F	51.48	F	1177.29	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-2U	92.04.22	1126.94	F	50.35	F	1177.29	F
	92.04.28	1126.20	F	51.09	F	1177.29	F
	92.05.05	1128.68	F	48.61	F	1177.29	F
	92.05.12	1126.53	F	50.76	F	1177.29	F
	92.05.19	1127.27	F	50.02	F	1177.29	F
	92.05.26	1129.52	F	47.77	F	1177.29	F
	92.06.02	1132.62	F	44.67	F	1177.29	F
	92.06.09	1131.37	F	45.92	F	1177.29	F
	92.06.23	1128.67	F	48.62	F	1177.29	F
	92.07.14	1128.57	F	48.72	F	1177.29	F
	92.07.29	1128.98	F	48.31	F	1177.29	F
	92.08.10	1130.03	F	47.26	F	1177.29	F
	92.08.25	1129.02	F	48.27	F	1177.29	F
	92.09.10	1130.50	F	46.79	F	1177.29	F
	92.09.23	1130.56	F	46.73	F	1177.29	F
	92.10.12	1129.50	F	47.79	F	1177.29	F
	92.11.06	1127.53	F	49.76	F	1177.29	F
	92.12.10	1126.74	F	50.55	F	1177.29	F
	93.01.21	1134.66	F	42.63	F	1177.29	F
	93.02.04	1135.99	F	41.30	F	1177.29	F
	93.02.19	1137.45	F	39.84	F	1177.29	F
	93.03.04	1138.00	F	39.29	F	1177.29	F
	93.03.18	1137.93	F	39.36	F	1177.29	F
	93.03.30	1137.83	F	39.46	F	1177.29	F
	93.04.13	1137.80	F	39.49	F	1177.29	F
	93.04.29	1138.67	F	38.62	F	1177.29	F
	93.05.17	1137.54	F	39.75	F	1177.29	F
	93.05.27	1137.11	F	40.18	F	1177.29	F
	93.06.30	1135.55	F	41.74	F	1177.29	F
	93.07.28	1133.84	F	43.45	F	1177.29	F
	93.08.13	1132.86	F	44.43	F	1177.29	F
	93.09.15	1131.44	F	45.85	F	1177.29	F
	93.10.15	1129.75	F	47.54	F	1177.29	F
	93.11.19	1128.70	F	48.59	F	1177.29	F
	93.12.17	1126.95	F	50.34	F	1177.29	F
	94.01.14	1125.32	F	51.97	F	1177.29	F
	94.02.15	1123.83	F	53.46	F	1177.29	F
	94.03.16	1122.87	F	54.42	F	1177.29	F
	94.04.14	1122.02	F	55.27	F	1177.29	F
	94.05.16	1121.55	F	55.74	F	1177.29	F
	94.06.15	1121.44	F	55.85	F	1177.29	F
	94.07.15	1120.94	F	56.35	F	1177.29	F
SIBW-30U	93.05.27	0.00	F	0.00	F	0.00	F
	93.10.15	1124.68	F	52.27	F	1176.95	F
	93.11.19	1123.45	F	53.50	F	1176.95	F
	93.12.17	1122.20	F	54.75	F	1176.95	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-30U	94.01.14	1120.61	F	56.34	F	1176.95	F
	94.02.15	1119.27	F	57.68	F	1176.95	F
	94.03.15	1118.33	F	58.62	F	1176.95	F
	94.04.14	1117.51	F	59.44	F	1176.95	F
	94.05.16	1116.77	F	60.18	F	1176.95	F
	94.06.15	1116.31	F	60.64	F	1176.95	F
	94.07.15	1115.87	F	61.08	F	1176.95	F
SIBW-31U	93.10.15	1124.46	F	51.47	F	1175.93	F
	93.11.19	1123.29	F	52.64	F	1175.93	F
	93.12.17	1122.13	F	53.80	F	1175.93	F
	94.01.14	1119.75	F	56.18	F	1175.93	F
	94.02.15	1119.21	F	56.72	F	1175.93	F
	94.03.15	1118.19	F	57.74	F	1175.93	F
	94.04.14	1117.33	F	58.60	F	1175.93	F
	94.05.16	1116.62	F	59.31	F	1175.93	F
	94.06.15	1116.00	F	59.93	F	1175.93	F
	94.07.15	1115.58	F	60.35	F	1175.93	F
SIBW-32U	93.10.15	1122.67	F	56.96	F	1179.63	F
	93.11.19	1121.35	F	58.28	F	1179.63	F
	93.12.17	1120.01	F	59.62	F	1179.63	F
	94.01.14	1117.93	F	61.70	F	1179.63	F
	94.02.15	1117.60	F	62.03	F	1179.63	F
	94.03.15	1116.55	F	63.08	F	1179.63	F
	94.04.14	1115.73	F	63.90	F	1179.63	F
	94.05.16	1111.77	F	67.86	F	1179.63	F
	94.06.15	1114.71	F	64.92	F	1179.63	F
	94.07.15	1114.30	F	65.33	F	1179.63	F
SIBW-33U	93.10.15	1122.48	F	60.43	F	1182.91	F
	93.11.19	1121.16	F	61.75	F	1182.91	F
	93.12.17	1119.86	F	63.05	F	1182.91	F
	94.01.14	1118.43	F	64.48	F	1182.91	F
	94.02.15	1117.45	F	65.46	F	1182.91	F
	94.03.15	1116.42	F	66.49	F	1182.91	F
	94.04.14	1115.46	F	67.45	F	1182.91	F
	94.05.16	1118.45	F	64.46	F	1182.91	F
	94.06.15	1114.60	F	68.31	F	1182.91	F
	94.07.15	1107.33	F	75.58	F	1182.91	F
SIBW-36U	93.09.15	1128.90	F	52.08	F	1180.98	F
	93.10.15	1126.15	F	54.83	F	1180.98	F
	93.11.19	1124.71	F	56.27	F	1180.98	F
	93.12.17	1123.23	F	57.75	F	1180.98	F
	94.01.14	1121.65	F	59.33	F	1180.98	F
	94.02.15	1120.35	F	60.63	F	1180.98	F

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TECHNICAL DATA MANAGEMENT SYSTEM

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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-36U	94.03.15	1119.38	F	61.60	F	1180.98	F
	94.04.14	1118.65	F	62.33	F	1180.98	F
	94.05.16	1118.08	F	62.90	F	1180.98	F
	94.06.15	1117.68	F	63.30	F	1180.98	F
	94.07.15	1117.36	F	63.62	F	1180.98	F
SIBW-37U	93.09.15	1126.84	F	53.13	F	1179.97	F
	93.10.15	1126.27	F	53.70	F	1179.97	F
	93.11.19	1124.94	F	55.03	F	1179.97	F
	93.12.17	1123.45	F	56.52	F	1179.97	F
	94.01.14	1121.80	F	58.17	F	1179.97	F
	94.02.15	1120.46	F	59.51	F	1179.97	F
	94.03.15	1119.51	F	60.46	F	1179.97	F
	94.04.14	1118.75	F	61.22	F	1179.97	F
	94.05.16	1118.27	F	61.70	F	1179.97	F
	94.06.15	1117.95	F	62.02	F	1179.97	F
	94.07.15	1117.58	F	62.39	F	1179.97	F
SIBW-3U	92.01.14	1087.39	F	89.64	F	1177.03	F
	92.01.21	1088.79	F	88.24	F	1177.03	F
	92.01.28	1090.83	F	86.20	F	1177.03	F
	92.02.04	1092.79	F	84.24	F	1177.03	F
	92.02.11	1094.65	F	82.38	F	1177.03	F
	92.02.18	1096.26	F	80.77	F	1177.03	F
	92.02.19	1122.88	F	54.15	F	1177.03	F
	92.02.25	1097.94	F	79.09	F	1177.03	F
	92.03.02	1099.52	F	77.51	F	1177.03	F
	92.03.10	1101.19	F	75.84	F	1177.03	F
	92.03.17	1102.47	F	74.56	F	1177.03	F
	92.03.24	1103.59	F	73.44	F	1177.03	F
	92.03.31	1104.78	F	72.25	F	1177.03	F
	92.04.07	1106.10	F	70.93	F	1177.03	F
	92.04.16	1107.21	F	69.82	F	1177.03	F
	92.04.22	1108.09	F	68.94	F	1177.03	F
	92.04.28	1108.61	F	68.42	F	1177.03	F
	92.05.05	1109.36	F	67.67	F	1177.03	F
	92.05.12	1109.80	F	67.23	F	1177.03	F
	92.05.19	1110.39	F	66.64	F	1177.03	F
	92.05.26	1110.98	F	66.05	F	1177.03	F
	92.06.02	1111.54	F	65.49	F	1177.03	F
	92.06.09	1112.16	F	64.87	F	1177.03	F
	92.06.23	1112.97	F	64.06	F	1177.03	F
	92.07.14	1113.08	F	63.95	F	1177.03	F
	92.07.29	1112.28	F	64.75	F	1177.03	F
	92.08.10	1113.74	F	63.29	F	1177.03	F
	92.08.25	1113.88	F	63.15	F	1177.03	F
	92.09.10	1115.22	F	61.81	F	1177.03	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-3U	92.09.23	1107.43	F	69.60	F	1177.03	F
	92.10.12	1115.71	F	61.32	F	1177.03	F
	92.11.06	1114.21	F	62.82	F	1177.03	F
	92.12.10	1112.33	F	64.70	F	1177.03	F
	93.02.04	1120.86	F	56.17	F	1177.03	F
	93.02.19	1122.88	F	54.15	F	1177.03	F
	93.03.04	1123.84	F	53.19	F	1177.03	F
	93.03.18	1124.48	F	52.55	F	1177.03	F
	93.03.30	1124.44	F	52.59	F	1177.03	F
	93.04.13	1124.81	F	52.22	F	1177.03	F
	93.04.29	1124.95	F	52.08	F	1177.03	F
	93.05.17	1125.18	F	51.85	F	1177.03	F
	93.06.30	1124.16	F	52.87	F	1177.03	F
	93.07.28	1123.20	F	53.83	F	1177.03	F
	93.08.13	1122.20	F	54.83	F	1177.03	F
	93.09.15	1141.76	F	35.27	F	1177.03	F
	93.10.15	1120.45	F	56.58	F	1177.03	F
	93.11.19	1119.05	F	57.98	F	1177.03	F
	93.12.17	1118.84	F	58.19	F	1177.03	F
	94.01.14	1117.36	F	59.67	F	1177.03	F
	94.02.15	1116.20	F	60.83	F	1177.03	F
	94.03.15	1115.31	F	61.72	F	1177.03	F
	94.04.14	1114.18	F	62.85	F	1177.03	F
	94.05.16	1113.22	F	63.81	F	1177.03	F
	94.06.15	1112.42	F	64.61	F	1177.03	F
	94.07.15	1111.78	F	65.25	F	1177.03	F
SIBW-4U	92.01.14	1098.72	F	70.80	F	1169.52	F
	92.01.21	1106.64	F	62.88	F	1169.52	F
	92.01.28	1111.81	F	57.71	F	1169.52	F
	92.02.04	1115.06	F	54.46	F	1169.52	F
	92.02.11	1117.47	F	52.05	F	1169.52	F
	92.02.18	1121.03	F	48.49	F	1169.52	F
	92.02.25	1122.90	F	46.62	F	1169.52	F
	92.03.02	1123.99	F	45.53	F	1169.52	F
	92.03.10	1126.05	F	43.47	F	1169.52	F
	92.03.17	1127.11	F	42.41	F	1169.52	F
	92.03.24	1127.50	F	42.02	F	1169.52	F
	92.03.31	1128.69	F	40.83	F	1169.52	F
	92.04.07	1129.14	F	40.38	F	1169.52	F
	92.04.16	1129.33	F	40.19	F	1169.52	F
	92.04.22	1129.87	F	39.65	F	1169.52	F
	92.04.28	1129.30	F	40.22	F	1169.52	F
	92.05.05	1129.36	F	40.16	F	1169.52	F
	92.05.12	1129.76	F	39.76	F	1169.52	F
	92.05.19	1130.15	F	39.37	F	1169.52	F
	92.05.26	1130.67	F	38.85	F	1169.52	F

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TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT — TDMII-010

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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-4U	92.06.02	1130.90	F	38.62	F	1169.52	F
	92.06.09	1130.91	F	38.61	F	1169.52	F
	92.06.23	1130.16	F	39.36	F	1169.52	F
	92.07.16	1125.95	F	43.57	F	1169.52	F
	92.07.29	1126.36	F	43.16	F	1169.52	F
	92.08.10	1126.10	F	43.42	F	1169.52	F
	92.09.01	1129.58	F	39.94	F	1169.52	F
	92.09.10	1131.02	F	38.50	F	1169.52	F
	92.09.23	1129.50	F	40.02	F	1169.52	F
	92.10.14	1125.47	F	44.05	F	1169.52	F
	92.11.06	1123.22	F	46.30	F	1169.52	F
	92.12.10	1120.39	F	49.13	F	1169.52	F
	93.02.05	1136.45	F	33.07	F	1169.52	F
	93.02.19	1137.27	F	32.25	F	1169.52	F
	93.03.04	1138.52	F	31.00	F	1169.52	F
	93.03.18	1137.40	F	32.12	F	1169.52	F
	93.03.30	1137.43	F	32.09	F	1169.52	F
	93.04.13	1137.14	F	32.38	F	1169.52	F
	93.04.29	1136.14	F	33.38	F	1169.52	F
	93.05.17	1136.81	F	32.71	F	1169.52	F
	93.06.30	1132.95	F	36.57	F	1169.52	F
	93.07.28	1130.81	F	38.71	F	1169.52	F
	93.08.13	1129.68	F	39.84	F	1169.52	F
	93.09.15	1128.67	F	40.85	F	1169.52	F
	93.10.15	1127.99	F	41.53	F	1169.52	F
	93.11.19	1127.71	F	41.81	F	1169.52	F
	93.12.17	1125.54	F	43.98	F	1169.52	F
	94.01.14	1122.03	F	47.49	F	1169.52	F
	94.02.15	1121.03	F	48.49	F	1169.52	F
	94.03.15	1119.43	F	50.09	F	1169.52	F
	94.04.14	1118.10	F	51.42	F	1169.52	F
	94.05.16	1117.27	F	52.25	F	1169.52	F
	94.06.15	1115.87	F	53.65	F	1169.52	F
	94.07.15	1115.30	F	54.22	F	1169.52	F
SIBW-5U	92.01.22	1089.95	F	87.89	F	1177.84	F
	92.01.28	1092.55	F	85.29	F	1177.84	F
	92.02.04	1094.94	F	82.90	F	1177.84	F
	92.02.11	1096.82	F	81.02	F	1177.84	F
	92.02.18	1098.84	F	79.00	F	1177.84	F
	92.03.10	1100.96	F	76.88	F	1177.84	F
	92.03.17	1105.72	F	72.12	F	1177.84	F
	92.03.24	1106.86	F	70.98	F	1177.84	F
	92.03.31	1108.08	F	69.76	F	1177.84	F
	92.04.07	1109.22	F	68.62	F	1177.84	F
	92.04.16	1110.59	F	67.25	F	1177.84	F
	92.04.22	1110.95	F	66.89	F	1177.84	F

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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-5U	92.04.28	1111.69	F	66.15	F	1177.84	F
	92.05.05	1112.12	F	65.72	F	1177.84	F
	92.05.12	1112.63	F	65.21	F	1177.84	F
	92.05.19	1113.21	F	64.63	F	1177.84	F
	92.05.26	1113.81	F	64.03	F	1177.84	F
	92.06.02	1114.39	F	63.45	F	1177.84	F
	92.06.09	1114.89	F	62.95	F	1177.84	F
	92.06.23	1115.12	F	62.72	F	1177.84	F
	92.07.14	1114.60	F	63.24	F	1177.84	F
	92.07.29	1114.56	F	63.28	F	1177.84	F
	92.08.10	1114.58	F	63.26	F	1177.84	F
	92.08.25	1114.72	F	63.12	F	1177.84	F
	92.09.10	1117.19	F	60.65	F	1177.84	F
	92.09.23	1116.24	F	61.60	F	1177.84	F
	92.10.12	1116.71	F	61.13	F	1177.84	F
	92.11.06	1114.83	F	63.01	F	1177.84	F
	92.12.10	1112.49	F	65.35	F	1177.84	F
	93.02.04	1122.48	F	55.36	F	1177.84	F
	93.02.19	1124.24	F	53.60	F	1177.84	F
	93.03.04	1125.19	F	52.65	F	1177.84	F
	93.03.18	1125.62	F	52.22	F	1177.84	F
	93.03.30	1125.69	F	52.15	F	1177.84	F
	93.04.13	1126.06	F	51.78	F	1177.84	F
	93.04.29	1125.99	F	51.85	F	1177.84	F
	93.05.17	1126.29	F	51.55	F	1177.84	F
	93.05.27	1126.31	F	51.53	F	1177.84	F
	93.06.30	1124.93	F	52.91	F	1177.84	F
	93.07.28	1123.70	F	54.14	F	1177.84	F
	93.08.13	1122.73	F	55.11	F	1177.84	F
	93.09.15	1122.34	F	55.50	F	1177.84	F
	93.10.15	1121.51	F	56.33	F	1177.84	F
	93.11.19	1119.97	F	57.87	F	1177.84	F
	93.12.17	1119.93	F	57.91	F	1177.84	F
	94.01.14	1118.07	F	59.77	F	1177.84	F
	94.02.15	1116.63	F	61.21	F	1177.84	F
	94.03.15	1115.69	F	62.15	F	1177.84	F
	94.04.14	1114.59	F	63.25	F	1177.84	F
	94.06.15	1112.42	F	65.42	F	1177.84	F
	94.07.15	1111.65	F	66.19	F	1177.84	F
SIBW-6U	92.01.14	1094.06	F	83.95	F	1178.01	F
	92.01.21	1096.04	F	81.97	F	1178.01	F
	92.01.28	1098.44	F	79.57	F	1178.01	F
	92.02.04	1100.68	F	77.33	F	1178.01	F
	92.02.11	1102.38	F	75.63	F	1178.01	F
	92.02.18	1104.05	F	73.96	F	1178.01	F
	92.02.25	1105.63	F	72.38	F	1178.01	F

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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-6U	92.03.02	1107.02	F	70.99	F	1178.01	F
	92.03.10	1108.44	F	69.57	F	1178.01	F
	92.03.17	1109.84	F	68.17	F	1178.01	F
	92.03.24	1110.84	F	67.17	F	1178.01	F
	92.03.31	1111.95	F	66.06	F	1178.01	F
	92.04.07	1113.12	F	64.89	F	1178.01	F
	92.04.16	1113.87	F	64.14	F	1178.01	F
	92.04.22	1114.45	F	63.56	F	1178.01	F
	92.04.28	1114.28	F	63.73	F	1178.01	F
	92.05.05	1115.40	F	62.61	F	1178.01	F
	92.05.12	1115.58	F	62.43	F	1178.01	F
	92.05.19	1116.09	F	61.92	F	1178.01	F
	92.05.26	1116.66	F	61.35	F	1178.01	F
	92.06.02	1117.26	F	60.75	F	1178.01	F
	92.06.09	1117.65	F	60.36	F	1178.01	F
	92.06.23	1118.40	F	59.61	F	1178.01	F
	92.07.14	1118.86	F	59.15	F	1178.01	F
	92.07.29	1119.26	F	58.75	F	1178.01	F
	92.08.10	1119.60	F	58.41	F	1178.01	F
	92.08.25	1119.64	F	58.37	F	1178.01	F
	92.09.10	1120.84	F	57.17	F	1178.01	F
	92.09.23	1121.34	F	56.67	F	1178.01	F
	92.10.12	1120.91	F	57.10	F	1178.01	F
	92.11.06	1119.36	F	58.65	F	1178.01	F
	93.02.05	1126.70	F	51.31	F	1178.01	F
	93.03.05	1129.53	F	48.48	F	1178.01	F
	93.03.18	1129.60	F	48.41	F	1178.01	F
	93.03.30	1130.09	F	47.92	F	1178.01	F
	93.04.13	1130.16	F	47.85	F	1178.01	F
	93.04.29	1129.89	F	48.12	F	1178.01	F
	93.05.17	1130.04	F	47.97	F	1178.01	F
	93.05.27	1130.02	F	47.99	F	1178.01	F
	93.06.30	1129.13	F	48.88	F	1178.01	F
	93.07.28	1128.00	F	50.01	F	1178.01	F
	93.08.13	1127.16	F	50.85	F	1178.01	F
	93.09.15	1125.99	F	52.02	F	1178.01	F
	93.10.15	1124.54	F	53.47	F	1178.01	F
	93.11.19	1123.15	F	54.86	F	1178.01	F
	93.12.17	1121.74	F	56.27	F	1178.01	F
	94.01.14	1120.27	F	57.74	F	1178.01	F
	94.02.15	1119.10	F	58.91	F	1178.01	F
	94.03.15	1118.20	F	59.81	F	1178.01	F
	94.04.14	1117.26	F	60.75	F	1178.01	F
	94.05.16	1116.72	F	61.29	F	1178.01	F
	94.06.15	1116.29	F	61.72	F	1178.01	F
	94.07.15	1115.96	F	62.05	F	1178.01	F

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TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT — TDMII-010
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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-7U	92.01.14	1106.09	F	66.57	F	1172.66	F
	92.01.21	1113.85	F	58.81	F	1172.66	F
	92.01.28	1118.81	F	53.85	F	1172.66	F
	92.02.04	1121.78	F	50.88	F	1172.66	F
	92.02.11	1123.99	F	48.67	F	1172.66	F
	92.02.18	1126.83	F	45.83	F	1172.66	F
	92.02.25	1128.44	F	44.22	F	1172.66	F
	92.03.02	1129.49	F	43.17	F	1172.66	F
	92.03.10	1131.08	F	41.58	F	1172.66	F
	92.03.17	1132.34	F	40.32	F	1172.66	F
	92.03.24	1132.79	F	39.87	F	1172.66	F
	92.03.31	1133.69	F	38.97	F	1172.66	F
	92.04.07	1136.31	F	36.35	F	1172.66	F
	92.04.16	1134.61	F	38.05	F	1172.66	F
	92.04.22	1134.69	F	37.97	F	1172.66	F
	92.04.28	1134.46	F	38.20	F	1172.66	F
	92.05.05	1134.58	F	38.08	F	1172.66	F
	92.05.12	1134.85	F	37.81	F	1172.66	F
	92.05.19	1135.33	F	37.33	F	1172.66	F
	92.05.26	1135.96	F	36.70	F	1172.66	F
	92.06.02	1136.29	F	36.37	F	1172.66	F
	92.06.09	1136.29	F	36.37	F	1172.66	F
	92.06.23	1135.99	F	36.67	F	1172.66	F
	92.07.14	1132.83	F	39.83	F	1172.66	F
	92.07.29	1132.71	F	39.95	F	1172.66	F
	92.08.10	1132.32	F	40.34	F	1172.66	F
	92.08.25	1132.20	F	40.46	F	1172.66	F
	92.09.10	1136.22	F	36.44	F	1172.66	F
	92.09.23	1137.22	F	35.44	F	1172.66	F
	92.10.12	1132.42	F	40.24	F	1172.66	F
	92.11.06	1128.52	F	44.14	F	1172.66	F
	92.12.10	1124.03	F	48.63	F	1172.66	F
	93.01.08	1132.11	F	40.55	F	1172.66	F
	93.01.09	1133.44	F	39.22	F	1172.66	F
	93.01.10	1134.28	F	38.38	F	1172.66	F
	93.01.11	1134.92	F	37.74	F	1172.66	F
	93.01.12	1135.75	F	36.91	F	1172.66	F
	93.01.13	1136.36	F	36.30	F	1172.66	F
	93.01.14	1136.92	F	35.74	F	1172.66	F
	93.01.15	1137.39	F	35.27	F	1172.66	F
	93.01.16	1138.07	F	34.59	F	1172.66	F
	93.01.17	1138.53	F	34.13	F	1172.66	F
	93.01.18	1139.19	F	33.47	F	1172.66	F
	93.01.19	1139.56	F	33.10	F	1172.66	F
	93.01.20	1139.94	F	32.72	F	1172.66	F
	93.01.21	1140.30	F	32.36	F	1172.66	F
	93.01.22	1140.60	F	32.06	F	1172.66	F

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TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT — TDMII-010

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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-7U	93.01.23	1140.65	F	32.01	F	1172.66	F
	93.01.24	1140.81	F	31.85	F	1172.66	F
	93.01.25	1140.93	F	31.73	F	1172.66	F
	93.01.26	1141.06	F	31.60	F	1172.66	F
	93.01.27	1141.06	F	31.60	F	1172.66	F
	93.01.28	1140.96	F	31.70	F	1172.66	F
	93.01.29	1140.93	F	31.73	F	1172.66	F
	93.01.30	1140.83	F	31.83	F	1172.66	F
	93.01.31	1140.77	F	31.89	F	1172.66	F
	93.02.01	1140.79	F	31.87	F	1172.66	F
	93.02.02	1140.84	F	31.82	F	1172.66	F
	93.02.03	1140.82	F	31.84	F	1172.66	F
	93.02.04	1140.80	F	31.86	F	1172.66	F
	93.02.05	1140.75	F	31.91	F	1172.66	F
	93.02.06	1140.77	F	31.89	F	1172.66	F
	93.02.07	1140.79	F	31.87	F	1172.66	F
	93.02.08	1140.78	F	31.88	F	1172.66	F
	93.02.09	1140.80	F	31.86	F	1172.66	F
	93.02.10	1140.93	F	31.73	F	1172.66	F
	93.02.11	1141.08	F	31.58	F	1172.66	F
	93.02.12	1141.23	F	31.43	F	1172.66	F
	93.02.13	1141.25	F	31.41	F	1172.66	F
	93.02.14	1141.33	F	31.33	F	1172.66	F
	93.02.15	1141.28	F	31.38	F	1172.66	F
	93.02.16	1141.36	F	31.30	F	1172.66	F
	93.02.17	1141.42	F	31.24	F	1172.66	F
	93.02.18	1141.45	F	31.21	F	1172.66	F
	93.02.19	1141.47	F	31.19	F	1172.66	F
	93.02.20	1141.52	F	31.14	F	1172.66	F
	93.02.21	1141.87	F	30.79	F	1172.66	F
	93.02.22	1142.06	F	30.60	F	1172.66	F
	93.02.23	1142.30	F	30.36	F	1172.66	F
	93.02.24	1142.43	F	30.23	F	1172.66	F
	93.02.25	1142.48	F	30.18	F	1172.66	F
	93.02.26	1142.52	F	30.14	F	1172.66	F
	93.02.27	1142.46	F	30.20	F	1172.66	F
	93.02.28	1142.41	F	30.25	F	1172.66	F
	93.03.01	1142.37	F	30.29	F	1172.66	F
	93.03.02	1142.38	F	30.28	F	1172.66	F
	93.03.03	1142.38	F	30.28	F	1172.66	F
	93.03.04	1142.28	F	30.38	F	1172.66	F
	93.03.05	1142.35	F	30.31	F	1172.66	F
	93.03.06	1142.38	F	30.28	F	1172.66	F
	93.03.07	1142.42	F	30.24	F	1172.66	F
	93.03.08	1142.39	F	30.27	F	1172.66	F
	93.03.09	1142.27	F	30.39	F	1172.66	F
	93.03.10	1142.14	F	30.52	F	1172.66	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-7U	93.03.11	1141.95	F	30.71	F	1172.66	F
	93.03.12	1141.74	F	30.92	F	1172.66	F
	93.03.13	1141.74	F	30.92	F	1172.66	F
	93.03.14	1141.63	F	31.03	F	1172.66	F
	93.03.15	1141.57	F	31.09	F	1172.66	F
	93.03.16	1141.53	F	31.13	F	1172.66	F
	93.03.17	1141.57	F	31.09	F	1172.66	F
	93.03.18	1141.53	F	31.13	F	1172.66	F
	93.03.19	1141.45	F	31.21	F	1172.66	F
	93.03.20	1141.48	F	31.18	F	1172.66	F
	93.03.21	1141.47	F	31.19	F	1172.66	F
	93.03.22	1141.43	F	31.23	F	1172.66	F
	93.03.23	1141.40	F	31.26	F	1172.66	F
	93.03.24	1141.31	F	31.35	F	1172.66	F
	93.03.25	1141.33	F	31.33	F	1172.66	F
	93.03.26	1141.26	F	31.40	F	1172.66	F
	93.03.27	1141.18	F	31.48	F	1172.66	F
	93.03.28	1141.22	F	31.44	F	1172.66	F
	93.03.29	1141.16	F	31.50	F	1172.66	F
	93.03.30	1141.18	F	31.48	F	1172.66	F
	93.03.31	1141.21	F	31.45	F	1172.66	F
	93.04.01	1141.31	F	31.35	F	1172.66	F
	93.04.13	1141.53	F	31.13	F	1172.66	F
	93.05.17	1141.05	F	31.61	F	1172.66	F
	93.05.27	1140.46	F	32.20	F	1172.66	F
	93.06.30	1137.10	F	35.56	F	1172.66	F
	93.07.28	1133.87	F	38.79	F	1172.66	F
	93.08.13	1132.63	F	40.03	F	1172.66	F
	93.09.15	1131.34	F	41.32	F	1172.66	F
	93.10.15	1129.93	F	42.73	F	1172.66	F
	93.11.19	1129.81	F	42.85	F	1172.66	F
	93.12.17	1127.69	F	44.97	F	1172.66	F
	94.01.14	1124.73	F	47.93	F	1172.66	F
	94.02.15	1123.73	F	48.93	F	1172.66	F
	94.03.15	1122.29	F	50.37	F	1172.66	F
	94.04.14	1121.51	F	51.15	F	1172.66	F
	94.05.16	1120.79	F	51.87	F	1172.66	F
	94.06.15	1119.90	F	52.76	F	1172.66	F
	94.07.15	1119.61	F	53.05	F	1172.66	F
SIBW-8U	92.01.14	1106.92	F	65.76	F	1172.68	F
	92.01.21	1113.96	F	58.72	F	1172.68	F
	92.01.28	1118.75	F	53.93	F	1172.68	F
	92.02.04	1121.58	F	51.10	F	1172.68	F
	92.02.11	1123.54	F	49.14	F	1172.68	F
	92.02.18	1126.42	F	46.26	F	1172.68	F
	92.02.25	1127.96	F	44.72	F	1172.68	F

WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-8U	92.03.02	1128.94	F	43.74	F	1172.68	F
	92.03.10	1130.46	F	42.22	F	1172.68	F
	92.03.17	1131.81	F	40.87	F	1172.68	F
	92.03.24	1132.24	F	40.44	F	1172.68	F
	92.03.31	1133.29	F	39.39	F	1172.68	F
	92.04.07	1134.03	F	38.65	F	1172.68	F
	92.04.16	1134.37	F	38.31	F	1172.68	F
	92.04.22	1134.33	F	38.35	F	1172.68	F
	92.04.28	1134.37	F	38.31	F	1172.68	F
	92.05.05	1134.40	F	38.28	F	1172.68	F
	92.05.12	1135.04	F	37.64	F	1172.68	F
	92.05.19	1135.83	F	36.85	F	1172.68	F
	92.05.26	1136.53	F	36.15	F	1172.68	F
	92.06.02	1137.03	F	35.65	F	1172.68	F
	92.06.09	1137.04	F	35.64	F	1172.68	F
	92.06.23	1137.03	F	35.65	F	1172.68	F
	92.07.14	1133.74	F	38.94	F	1172.68	F
	92.07.29	1133.58	F	39.10	F	1172.68	F
	92.08.10	1133.52	F	39.16	F	1172.68	F
	92.08.25	1133.24	F	39.44	F	1172.68	F
	92.09.14	1136.72	F	35.96	F	1172.68	F
	92.09.23	1136.10	F	36.58	F	1172.68	F
	92.10.12	1133.68	F	39.00	F	1172.68	F
	92.11.06	1129.85	F	42.83	F	1172.68	F
	92.12.10	1125.48	F	47.20	F	1172.68	F
	93.02.05	1141.64	F	31.04	F	1172.68	F
	93.02.19	1142.61	F	30.07	F	1172.68	F
	93.03.04	1143.27	F	29.41	F	1172.68	F
	93.03.18	1142.58	F	30.10	F	1172.68	F
	93.04.13	1141.94	F	30.74	F	1172.68	F
	93.04.29	1141.19	F	31.49	F	1172.68	F
	93.05.17	1141.68	F	31.00	F	1172.68	F
	93.05.27	1141.02	F	31.66	F	1172.68	F
	93.06.30	1139.98	F	32.70	F	1172.68	F
	93.07.28	1134.60	F	38.08	F	1172.68	F
	93.08.13	1133.30	F	39.38	F	1172.68	F
	93.09.15	1131.88	F	40.80	F	1172.68	F
	93.10.15	1130.45	F	42.23	F	1172.68	F
	93.11.19	1130.22	F	42.46	F	1172.68	F
	93.12.17	1128.38	F	44.30	F	1172.68	F
	94.01.14	1125.68	F	47.00	F	1172.68	F
	94.02.15	1124.42	F	48.26	F	1172.68	F
	94.03.15	1123.21	F	49.47	F	1172.68	F
	94.05.16	1121.99	F	50.69	F	1172.68	F
	94.06.15	1121.29	F	51.39	F	1172.68	F
	94.07.15	1121.06	F	51.62	F	1172.68	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-9U	92.01.14	1105.46	F	69.01	F	1174.47	F
	92.01.21	1110.85	F	63.62	F	1174.47	F
	92.01.28	1114.92	F	59.55	F	1174.47	F
	92.02.04	1117.30	F	57.17	F	1174.47	F
	92.02.11	1119.07	F	55.40	F	1174.47	F
	92.02.18	1121.47	F	53.00	F	1174.47	F
	92.02.25	1122.87	F	51.60	F	1174.47	F
	92.03.02	1124.02	F	50.45	F	1174.47	F
	92.03.10	1125.55	F	48.92	F	1174.47	F
	92.03.17	1127.01	F	47.46	F	1174.47	F
	92.03.24	1127.57	F	46.90	F	1174.47	F
	92.03.31	1128.59	F	45.88	F	1174.47	F
	92.04.07	1129.39	F	45.08	F	1174.47	F
	92.04.16	1129.72	F	44.75	F	1174.47	F
	92.04.22	1129.96	F	44.51	F	1174.47	F
	92.04.28	1130.03	F	44.44	F	1174.47	F
	92.05.05	1130.20	F	44.27	F	1174.47	F
	92.05.12	1130.36	F	44.11	F	1174.47	F
	92.05.19	1132.12	F	42.35	F	1174.47	F
	92.05.26	1131.73	F	42.74	F	1174.47	F
	92.06.02	1132.11	F	42.36	F	1174.47	F
	92.06.09	1132.28	F	42.19	F	1174.47	F
	92.06.23	1132.24	F	42.23	F	1174.47	F
	92.07.14	1131.09	F	43.38	F	1174.47	F
	92.07.29	1131.32	F	43.15	F	1174.47	F
	92.08.10	1130.91	F	43.56	F	1174.47	F
	92.08.25	1130.86	F	43.61	F	1174.47	F
	92.09.10	1133.15	F	41.32	F	1174.47	F
	92.09.23	1132.99	F	41.48	F	1174.47	F
	92.10.12	1131.39	F	43.08	F	1174.47	F
	92.11.06	1128.47	F	46.00	F	1174.47	F
	92.12.10	1125.23	F	49.24	F	1174.47	F
	93.01.21	1137.82	F	36.65	F	1174.47	F
	93.02.04	1138.32	F	36.15	F	1174.47	F
	93.02.19	1139.73	F	34.74	F	1174.47	F
	93.03.04	1140.32	F	34.15	F	1174.47	F
	93.03.18	1140.10	F	34.37	F	1174.47	F
	93.03.30	1139.69	F	34.78	F	1174.47	F
	93.04.13	1139.71	F	34.76	F	1174.47	F
	93.04.29	1139.09	F	35.38	F	1174.47	F
	93.05.17	1139.22	F	35.25	F	1174.47	F
	93.05.27	1138.97	F	35.50	F	1174.47	F
	93.06.30	1136.59	F	37.88	F	1174.47	F
	93.07.28	1134.13	F	40.34	F	1174.47	F
	93.08.13	1132.91	F	41.56	F	1174.47	F
	93.09.15	1131.57	F	42.90	F	1174.47	F
	93.10.15	1130.15	F	44.32	F	1174.47	F

TDM II

TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT — TDMII-010

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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-9U	93.11.19	1129.59	F	44.88	F	1174.47	F
	93.12.17	1127.60	F	46.87	F	1174.47	F
	94.01.14	1128.74	F	45.73	F	1174.47	F
	94.02.15	1124.37	F	50.10	F	1174.47	F
	94.03.15	1123.30	F	51.17	F	1174.47	F
	94.04.14	1122.59	F	51.88	F	1174.47	F
	94.05.16	1121.89	F	52.58	F	1174.47	F
	94.06.15	1121.46	F	53.01	F	1174.47	F
	94.07.15	1121.17	F	53.30	F	1174.47	F
SLMW502	92.01.03	1087.29	F	86.60	F	1173.89	F
	92.02.04	1097.44	F	76.45	F	1173.89	F
	92.03.04	1106.04	F	67.85	F	1173.89	F
	92.04.13	1113.24	F	60.65	F	1173.89	F
SLMW503	92.01.03	1087.43	F	84.50	F	1171.93	F
	92.02.04	1096.58	F	75.35	F	1171.93	F
	92.03.04	1104.93	F	67.00	F	1171.93	F
	92.04.13	1112.18	F	59.75	F	1171.93	F
SLMW504	92.01.03	1087.47	F	85.65	F	1173.12	F
	92.02.04	1096.92	F	76.20	F	1173.12	F
	92.03.04	1105.32	F	67.80	F	1173.12	F
	92.04.13	1112.72	F	60.40	F	1173.12	F
SLMW505	92.01.03	1087.90	F	84.85	F	1172.75	F
	92.02.04	1097.85	F	74.90	F	1172.75	F
	92.03.04	1106.25	F	66.50	F	1172.75	F
	92.04.13	1113.45	F	59.30	F	1172.75	F
SRB-1	92.06.09	1142.00	F	23.69	F	1165.69	F
SRB-19	92.06.09	1142.80	F	25.84	F	1168.64	F
WMW-1	92.01.14	1128.11	F	26.72	F	1154.83	F
	92.02.11	1139.15	F	15.68	F	1154.83	F
	92.05.12	1145.10	F	9.73	F	1154.83	F
	92.06.09	1145.70	F	9.13	F	1154.83	F
	92.07.14	1143.61	F	11.22	F	1154.83	F
	92.08.10	1143.48	F	11.35	F	1154.83	F
	92.10.12	1142.88	F	11.95	F	1154.83	F
	92.12.10	1135.91	F	18.92	F	1154.83	F
WMW-3	92.02.11	1140.53	F	35.82	F	1176.35	F
	92.03.10	1145.35	F	31.00	F	1176.35	F
	92.05.12	1145.90	F	30.45	F	1176.35	F
	92.07.14	1142.89	F	33.46	F	1176.35	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
WMW-3	92.08.10	1142.38	F	33.97	F	1176.35	F
	92.09.10	1146.11	F	30.24	F	1176.35	F
	92.10.12	1140.09	F	36.26	F	1176.35	F
	92.12.10	1131.66	F	44.69	F	1176.35	F
	93.02.04	1149.56	F	26.79	F	1176.35	F
	93.03.05	1150.83	F	25.52	F	1176.35	F
	93.03.30	1148.70	F	27.65	F	1176.35	F
	93.04.29	1147.81	F	28.54	F	1176.35	F
	93.05.27	1148.20	F	28.15	F	1176.35	F
	93.06.30	1142.58	F	33.77	F	1176.35	F
	93.07.28	1137.82	F	38.53	F	1176.35	F
	93.08.13	1136.22	F	40.13	F	1176.35	F
	93.09.15	1135.14	F	41.21	F	1176.35	F
	93.10.15	1133.50	F	42.85	F	1176.35	F
	93.11.19	1135.91	F	40.44	F	1176.35	F
	93.12.17	1131.13	F	45.22	F	1176.35	F
	94.01.14	1118.83	F	57.52	F	1176.35	F
	94.02.15	1127.92	F	48.43	F	1176.35	F
	94.03.15	1126.31	F	50.04	F	1176.35	F
	94.04.14	1126.90	F	49.45	F	1176.35	F
	94.05.16	1125.94	F	50.41	F	1176.35	F
	94.06.15	1125.41	F	50.94	F	1176.35	F
	94.07.15	1125.41	F	50.94	F	1176.35	F
WMW-4	92.01.14	1127.29	F	37.48	F	1164.77	F
	92.01.21	1133.61	F	31.16	F	1164.77	F
	92.01.28	1136.72	F	28.05	F	1164.77	F
	92.02.04	1138.07	F	26.70	F	1164.77	F
	92.02.11	1140.00	F	24.77	F	1164.77	F
	92.02.18	1142.72	F	22.05	F	1164.77	F
	92.02.25	1142.77	F	22.00	F	1164.77	F
	92.03.02	1143.19	F	21.58	F	1164.77	F
	92.03.10	1145.05	F	19.72	F	1164.77	F
	92.03.17	1145.24	F	19.53	F	1164.77	F
	92.03.24	1145.06	F	19.71	F	1164.77	F
	92.03.31	1146.04	F	18.73	F	1164.77	F
	92.04.07	1145.93	F	18.84	F	1164.77	F
	92.04.16	1145.51	F	19.26	F	1164.77	F
	92.04.22	1145.53	F	19.24	F	1164.77	F
	92.04.28	1144.94	F	19.83	F	1164.77	F
	92.05.05	1144.63	F	20.14	F	1164.77	F
	92.05.12	1145.20	F	19.57	F	1164.77	F
	92.05.19	1145.57	F	19.20	F	1164.77	F
	92.05.26	1146.09	F	18.68	F	1164.77	F
	92.06.02	1146.26	F	18.51	F	1164.77	F
	92.06.09	1145.66	F	19.11	F	1164.77	F
	92.06.23	1144.82	F	19.95	F	1164.77	F

TDM II

TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT TDMII-010

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REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
WMW-4	92.07.14	1141.82	F	22.95	F	1164.77	F
	92.07.29	1142.45	F	22.32	F	1164.77	F
	92.08.10	1141.18	F	23.59	F	1164.77	F
	92.08.25	1143.81	F	20.96	F	1164.77	F
	92.09.10	1145.47	F	19.30	F	1164.77	F
	92.09.23	1143.31	F	21.46	F	1164.77	F
	92.10.12	1140.05	F	24.72	F	1164.77	F
	92.11.06	1135.28	F	29.49	F	1164.77	F
	92.12.10	1129.80	F	34.97	F	1164.77	F
	93.01.22	1151.81	F	12.96	F	1164.77	F
	93.02.04	1148.98	F	15.79	F	1164.77	F
	93.02.19	1149.32	F	15.45	F	1164.77	F
	93.03.04	1150.01	F	14.76	F	1164.77	F
	93.03.18	1149.14	F	15.63	F	1164.77	F
	93.03.30	1148.77	F	16.00	F	1164.77	F
	93.04.13	1148.47	F	16.30	F	1164.77	F
	93.04.29	1147.45	F	17.32	F	1164.77	F
	93.05.17	1148.50	F	16.27	F	1164.77	F
	93.05.27	1148.03	F	16.74	F	1164.77	F
	93.06.30	1142.20	F	22.57	F	1164.77	F
	93.07.28	1137.48	F	27.29	F	1164.77	F
	93.08.13	1136.14	F	28.63	F	1164.77	F
	93.09.15	1134.68	F	30.09	F	1164.77	F
	93.10.15	1133.37	F	31.40	F	1164.77	F
	93.11.19	1135.49	F	29.28	F	1164.77	F
	93.12.17	1130.73	F	34.04	F	1164.77	F
	94.02.15	1127.30	F	37.47	F	1164.77	F
	94.03.15	1125.37	F	39.40	F	1164.77	F
	94.04.14	1125.57	F	39.20	F	1164.77	F
	94.05.16	1124.94	F	39.83	F	1164.77	F
	94.06.15	1124.05	F	40.72	F	1164.77	F
	94.07.15	1124.18	F	40.59	F	1164.77	F
WMW-5	92.01.14	1142.34	F	30.13	F	1172.47	F
	92.01.21	1145.32	F	27.15	F	1172.47	F
	92.02.04	1147.22	F	25.25	F	1172.47	F
	92.02.11	1148.83	F	23.64	F	1172.47	F
	92.02.18	1150.83	F	21.64	F	1172.47	F
	92.02.25	1149.86	F	22.61	F	1172.47	F
	92.03.02	1150.05	F	22.42	F	1172.47	F
	92.03.10	1152.47	F	20.00	F	1172.47	F
	92.03.17	1151.63	F	20.84	F	1172.47	F
	92.03.24	1151.36	F	21.11	F	1172.47	F
	92.03.31	1152.21	F	20.26	F	1172.47	F
	92.04.07	1151.87	F	20.60	F	1172.47	F
	92.04.16	1150.90	F	21.57	F	1172.47	F
	92.04.22	1151.11	F	21.36	F	1172.47	F

REPORTING VALUES BETWEEN 92.01.01 AND 94.08.03, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
WMW-5	92.04.28	1150.18	F	22.29	F	1172.47	F
	92.05.05	1147.89	F	24.58	F	1172.47	F
	92.05.12	1148.56	F	23.91	F	1172.47	F
	92.05.19	1149.22	F	23.25	F	1172.47	F
	92.05.26	1150.02	F	22.45	F	1172.47	F
	92.06.02	1150.16	F	22.31	F	1172.47	F
	92.06.09	1149.27	F	23.20	F	1172.47	F
	92.06.23	1148.46	F	24.01	F	1172.47	F
	92.07.14	1147.60	F	24.87	F	1172.47	F
	92.07.29	1147.82	F	24.65	F	1172.47	F
	92.08.10	1146.90	F	25.57	F	1172.47	F
	92.08.25	1151.37	F	21.10	F	1172.47	F
	92.09.10	1149.92	F	22.55	F	1172.47	F
	92.09.23	1148.34	F	24.13	F	1172.47	F
WMW-6	92.01.14	1117.58	F	61.98	F	1179.56	F
	92.02.11	1128.94	F	50.62	F	1179.56	F
	92.03.10	1134.70	F	44.86	F	1179.56	F
	92.05.12	1138.22	F	41.34	F	1179.56	F
	92.06.09	1139.58	F	39.98	F	1179.56	F
	92.07.14	1138.46	F	41.10	F	1179.56	F
	92.08.10	1138.31	F	41.25	F	1179.56	F
	92.09.10	1140.62	F	38.94	F	1179.56	F
	92.10.12	1138.54	F	41.02	F	1179.56	F
	92.12.10	1138.12	F	41.44	F	1179.56	F
	93.01.21	1146.01	F	33.55	F	1179.56	F
	93.02.04	1145.72	F	33.84	F	1179.56	F
	93.02.19	1146.42	F	33.14	F	1179.56	F
	93.03.05	1147.13	F	32.43	F	1179.56	F
	93.03.30	1145.84	F	33.72	F	1179.56	F
	93.04.13	1145.84	F	33.72	F	1179.56	F
	93.05.17	1145.05	F	34.51	F	1179.56	F
	93.06.30	1142.48	F	37.08	F	1179.56	F

TDM II

TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT — TDMII-010

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REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-1U	94.07.15	1116.69	F	57.11	F	1173.80	F
	94.08.15	1116.11	F	57.69	F	1173.80	F
	94.09.15	1115.00	F	58.80	F	1173.80	F
	94.10.17	1113.82	F	59.98	F	1173.80	F
	94.11.15	1113.01	F	60.79	F	1173.80	F
	94.12.15	1112.96	F	60.84	F	1173.80	F
	95.01.19	1118.69	F	55.11	F	1173.80	F
	95.02.15	1121.16	F	52.64	F	1173.80	F
	95.03.15	1126.98	F	46.82	F	1173.80	F
	95.04.17	1129.17	F	44.63	F	1173.80	F
	95.05.15	1127.69	F	46.11	F	1173.80	F
	95.06.16	1126.40	F	47.40	F	1173.80	F
	95.07.17	1125.05	F	48.75	F	1173.80	F
	95.08.15	1124.15	F	49.65	F	1173.80	F
	95.09.15	1124.57	F	49.23	F	1173.80	F
	95.10.16	1123.82	F	49.98	F	1173.80	F
	95.11.27	1122.06	F	51.74	F	1173.80	F
	95.12.18	1121.15	F	52.65	F	1173.80	F
	96.01.15	1119.78	F	54.02	F	1173.80	F
	96.02.19	1119.84	F	53.96	F	1173.80	F
	96.03.18	1121.05	F	52.75	F	1173.80	F
	96.04.15	1116.29	F	57.51	F	1173.80	F
	96.05.07	1115.80	F	58.00	F	1173.80	F
SIBW-2U	94.07.15	1120.94	F	56.35	F	1177.29	F
	94.08.15	1120.14	F	57.15	F	1177.29	F
	94.09.15	1118.60	F	58.69	F	1177.29	F
	94.10.17	1123.00	F	54.29	F	1177.29	F
	94.11.15	1117.21	F	60.08	F	1177.29	F
	94.12.15	1117.27	F	60.02	F	1177.29	F
	95.01.19	1122.67	F	54.62	F	1177.29	F
	95.02.15	1126.60	F	50.69	F	1177.29	F
	95.03.15	1130.99	F	46.30	F	1177.29	F
	95.04.17	1132.10	F	45.19	F	1177.29	F
	95.05.15	1131.40	F	45.89	F	1177.29	F
	95.06.16	1131.20	F	46.09	F	1177.29	F
	95.07.17	1129.70	F	47.59	F	1177.29	F
	95.08.15	1128.76	F	48.53	F	1177.29	F
	95.09.15	1128.40	F	48.89	F	1177.29	F
	95.10.16	1127.35	F	49.94	F	1177.29	F
	95.11.20	1126.12	F	51.17	F	1177.29	F
	95.12.18	1125.34	F	51.95	F	1177.29	F
	96.01.15	1127.24	F	50.05	F	1177.29	F
	96.02.19	1123.84	F	53.45	F	1177.29	F
	96.03.18	1122.26	F	55.03	F	1177.29	F
	96.04.15	1120.17	F	57.12	F	1177.29	F
	96.05.07	1124.34	F	52.95	F	1177.29	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-3U	94.07.15	1111.78	F	65.25	F	1177.03	F
	94.08.15	1112.73	F	64.30	F	1177.03	F
	94.09.15	1109.19	F	67.84	F	1177.03	F
	94.10.17	1119.91	F	57.12	F	1177.03	F
	94.11.15	1108.82	F	68.21	F	1177.03	F
	94.12.15	1107.85	F	69.18	F	1177.03	F
	95.01.19	1110.90	F	66.13	F	1177.03	F
	95.02.15	1113.76	F	63.27	F	1177.03	F
	95.03.15	1117.42	F	59.61	F	1177.03	F
	95.04.17	1119.80	F	57.23	F	1177.03	F
	95.05.15	1120.29	F	56.74	F	1177.03	F
	95.06.16	1119.67	F	57.36	F	1177.03	F
	95.07.17	1118.80	F	58.23	F	1177.03	F
	95.08.15	1118.13	F	58.90	F	1177.03	F
	95.09.15	1118.39	F	58.64	F	1177.03	F
	95.10.16	1118.39	F	58.64	F	1177.03	F
	95.11.27	1117.24	F	59.79	F	1177.03	F
	95.12.18	1116.55	F	60.48	F	1177.03	F
	96.01.15	1116.45	F	60.58	F	1177.03	F
	96.02.19	1118.19	F	58.84	F	1177.03	F
	96.03.18	1116.02	F	61.01	F	1177.03	F
	96.04.15	1111.73	F	65.30	F	1177.03	F
	96.05.07	1111.37	F	65.66	F	1177.03	F
SIBW-4U	94.07.15	1115.30	F	54.22	F	1169.52	F
	94.08.15	1114.50	F	55.02	F	1169.52	F
	94.09.15	1113.65	F	55.87	F	1169.52	F
	94.10.17	1112.40	F	57.12	F	1169.52	F
	94.11.15	1111.86	F	57.66	F	1169.52	F
	94.12.15	1113.49	F	56.03	F	1169.52	F
	95.03.15	1132.82	F	36.70	F	1169.52	F
	95.04.17	1132.90	F	36.62	F	1169.52	F
	95.05.15	1130.33	F	39.19	F	1169.52	F
	95.06.16	1127.07	F	42.45	F	1169.52	F
	95.07.17	1124.97	F	44.55	F	1169.52	F
	95.08.15	1123.32	F	46.20	F	1169.52	F
	95.09.15	1124.94	F	44.58	F	1169.52	F
	95.10.16	1124.40	F	45.12	F	1169.52	F
	95.11.27	1122.50	F	47.02	F	1169.52	F
	95.12.18	1122.27	F	47.25	F	1169.52	F
	96.02.19	1118.21	F	51.31	F	1169.52	F
	96.03.18	1116.73	F	52.79	F	1169.52	F
	96.04.15	1117.71	F	51.81	F	1169.52	F
	96.05.07	1116.11	F	53.41	F	1169.52	F
SIBW-5U	94.07.15	1111.65	F	66.19	F	1177.84	F
	94.08.15	1110.85	F	66.99	F	1177.84	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-5U	94.09.15	1109.72	F	68.12	F	1177.84	F
	94.10.17	1108.27	F	69.57	F	1177.84	F
	94.11.15	1107.82	F	70.02	F	1177.84	F
	94.12.15	1109.13	F	68.71	F	1177.84	F
	95.01.19	1112.42	F	65.42	F	1177.84	F
	95.02.15	1115.05	F	62.79	F	1177.84	F
	95.03.15	1119.44	F	58.40	F	1177.84	F
	95.04.17	1121.29	F	56.55	F	1177.84	F
	95.05.15	1121.40	F	56.44	F	1177.84	F
	95.06.16	1120.38	F	57.46	F	1177.84	F
	95.07.17	1118.96	F	58.88	F	1177.84	F
	95.08.15	1117.93	F	59.91	F	1177.84	F
	95.09.15	1118.73	F	59.11	F	1177.84	F
	95.10.16	1118.68	F	59.16	F	1177.84	F
	95.11.27	1117.68	F	60.16	F	1177.84	F
	95.12.18	1116.70	F	61.14	F	1177.84	F
	96.01.15	1115.47	F	62.37	F	1177.84	F
	96.02.19	1114.45	F	63.39	F	1177.84	F
	96.03.18	1113.64	F	64.20	F	1177.84	F
	96.04.15	1110.97	F	66.87	F	1177.84	F
	96.05.07	1110.79	F	67.05	F	1177.84	F
SIBW-6U	94.07.15	1115.96	F	62.05	F	1178.01	F
	94.08.15	1115.10	F	62.91	F	1178.01	F
	94.09.15	1113.94	F	64.07	F	1178.01	F
	94.10.17	1112.61	F	65.40	F	1178.01	F
	94.11.15	1111.86	F	66.15	F	1178.01	F
	94.12.15	1111.90	F	66.11	F	1178.01	F
	95.01.19	1115.10	F	62.91	F	1178.01	F
	95.02.15	1117.94	F	60.07	F	1178.01	F
	95.03.15	1122.42	F	55.59	F	1178.01	F
	95.04.17	1124.51	F	53.50	F	1178.01	F
	95.05.15	1125.15	F	52.86	F	1178.01	F
	95.06.16	1124.96	F	53.05	F	1178.01	F
	95.07.17	1124.12	F	53.89	F	1178.01	F
	95.08.15	1123.46	F	54.55	F	1178.01	F
	95.09.15	1123.12	F	54.89	F	1178.01	F
	95.10.16	1122.64	F	55.37	F	1178.01	F
	95.11.27	1121.27	F	56.74	F	1178.01	F
	95.12.18	1120.12	F	57.89	F	1178.01	F
	96.01.15	1121.09	F	56.92	F	1178.01	F
	96.02.19	1118.03	F	59.98	F	1178.01	F
	96.03.18	1118.82	F	59.19	F	1178.01	F
	96.04.15	1116.86	F	61.15	F	1178.01	F
	96.05.07	1115.62	F	62.39	F	1178.01	F
SIBW-7U	94.07.15	1119.61	F	53.05	F	1172.66	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-7U	94.08.15	1118.93	F	53.73	F	1172.66	F
	94.09.15	1118.10	F	54.56	F	1172.66	F
	94.10.17	1116.95	F	55.71	F	1172.66	F
	94.11.15	1116.25	F	56.41	F	1172.66	F
	94.12.15	1117.47	F	55.19	F	1172.66	F
	95.01.19	1127.06	F	45.60	F	1172.66	F
	95.02.15	1128.83	F	43.83	F	1172.66	F
	95.03.15	1136.77	F	35.89	F	1172.66	F
	95.04.17	1136.51	F	36.15	F	1172.66	F
	95.05.15	1134.64	F	38.02	F	1172.66	F
	95.06.16	1130.84	F	41.82	F	1172.66	F
	95.07.17	1129.02	F	43.64	F	1172.66	F
	95.08.15	1127.60	F	45.06	F	1172.66	F
	95.09.15	1128.55	F	44.11	F	1172.66	F
	95.10.16	1127.31	F	45.35	F	1172.66	F
	95.11.20	1125.29	F	47.37	F	1172.66	F
	95.12.18	1123.78	F	48.88	F	1172.66	F
	96.01.15	1122.24	F	50.42	F	1172.66	F
	96.02.19	1123.08	F	49.58	F	1172.66	F
	96.03.18	1120.22	F	52.44	F	1172.66	F
	96.04.15	1120.64	F	52.02	F	1172.66	F
	96.05.07	1120.45	F	52.21	F	1172.66	F
SIBW-8U	94.07.15	1121.06	F	51.62	F	1172.68	F
	94.09.15	1119.34	F	53.34	F	1172.68	F
	94.10.17	1118.21	F	54.47	F	1172.68	F
	94.11.15	1117.61	F	55.07	F	1172.68	F
	94.12.15	1118.34	F	54.34	F	1172.68	F
	95.02.15	1129.17	F	43.51	F	1172.68	F
	95.04.17	1136.74	F	35.94	F	1172.68	F
	95.05.15	1134.04	F	38.64	F	1172.68	F
	95.06.16	1131.61	F	41.07	F	1172.68	F
	95.07.17	1130.01	F	42.67	F	1172.68	F
	95.08.15	1128.90	F	43.78	F	1172.68	F
	95.09.15	1129.49	F	43.19	F	1172.68	F
	95.10.16	1128.13	F	44.55	F	1172.68	F
	95.12.18	1125.50	F	47.18	F	1172.68	F
	96.01.15	1123.23	F	49.45	F	1172.68	F
	96.02.19	1122.68	F	50.00	F	1172.68	F
	96.03.18	1121.69	F	50.99	F	1172.68	F
	96.04.15	1120.04	F	52.64	F	1172.68	F
	96.05.07	1120.37	F	52.31	F	1172.68	F
SIBW-9U	94.07.15	1121.17	F	53.30	F	1174.47	F
	94.08.15	1120.27	F	54.20	F	1174.47	F
	94.09.15	1120.96	F	53.51	F	1174.47	F
	94.10.17	1118.26	F	56.21	F	1174.47	F

TDM II

TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT — TDMII-010

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REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-9U	94.11.15	1117.52	F	56.95	F	1174.47	F
	94.12.15	1117.87	F	56.60	F	1174.47	F
	95.01.19	1124.62	F	49.85	F	1174.47	F
	95.02.15	1126.87	F	47.60	F	1174.47	F
	95.03.15	1133.82	F	40.65	F	1174.47	F
	95.04.17	1134.04	F	40.43	F	1174.47	F
	95.05.15	1132.53	F	41.94	F	1174.47	F
	95.06.16	1131.06	F	43.41	F	1174.47	F
	95.07.17	1129.75	F	44.72	F	1174.47	F
	95.08.15	1128.77	F	45.70	F	1174.47	F
	95.09.15	1128.88	F	45.59	F	1174.47	F
	95.10.16	1127.71	F	46.76	F	1174.47	F
	95.11.20	1126.46	F	48.01	F	1174.47	F
	95.12.18	1125.70	F	48.77	F	1174.47	F
	96.01.15	1129.45	F	45.02	F	1174.47	F
	96.02.19	1121.93	F	52.54	F	1174.47	F
	96.03.18	1123.18	F	51.29	F	1174.47	F
	96.04.15	1120.15	F	54.32	F	1174.47	F
	96.05.07	1120.26	F	54.21	F	1174.47	F
SIBW-10U	94.07.15	1113.59	F	68.19	F	1181.78	F
	94.08.15	1112.89	F	68.89	F	1181.78	F
	94.09.15	1111.79	F	69.99	F	1181.78	F
	94.10.17	1110.35	F	71.43	F	1181.78	F
	94.11.15	1110.01	F	71.77	F	1181.78	F
	94.12.15	1109.59	F	72.19	F	1181.78	F
	95.01.19	1112.69	F	69.09	F	1181.78	F
	95.02.15	1116.18	F	65.60	F	1181.78	F
	95.03.15	1119.13	F	62.65	F	1181.78	F
	95.04.17	1124.28	F	57.50	F	1181.78	F
	95.05.15	1122.10	F	59.68	F	1181.78	F
	95.06.16	1121.94	F	59.84	F	1181.78	F
	95.07.17	1121.07	F	60.71	F	1181.78	F
	95.08.15	1120.45	F	61.33	F	1181.78	F
	95.11.27	1119.11	F	62.67	F	1181.78	F
	95.12.18	1118.96	F	62.82	F	1181.78	F
	96.01.15	1120.85	F	60.93	F	1181.78	F
	96.02.19	1125.11	F	56.67	F	1181.78	F
	96.03.18	1117.96	F	63.82	F	1181.78	F
	96.04.15	1115.39	F	66.39	F	1181.78	F
	96.05.07	1114.26	F	67.52	F	1181.78	F
SIBW-11MC	94.07.15	1074.24	F	103.87	F	1178.11	F
	94.08.15	1072.59	F	105.52	F	1178.11	F
	94.09.15	1069.13	F	108.98	F	1178.11	F
	94.10.17	1064.07	F	114.04	F	1178.11	F
	94.11.15	1071.09	F	107.02	F	1178.11	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-11MC	94.12.15	1073.09	F	105.02	F	1178.11	F
	95.01.19	1077.72	F	100.39	F	1178.11	F
	95.02.15	1082.73	F	95.38	F	1178.11	F
	95.03.15	1086.89	F	91.22	F	1178.11	F
	95.04.17	1089.61	F	88.50	F	1178.11	F
	95.05.15	1089.82	F	88.29	F	1178.11	F
	95.06.16	1089.99	F	88.12	F	1178.11	F
	95.07.17	1085.39	F	92.72	F	1178.11	F
	95.08.15	1129.07	F	49.04	F	1178.11	F
	95.09.15	1083.22	F	94.89	F	1178.11	F
	95.10.16	1086.21	F	91.90	F	1178.11	F
	95.11.20	1086.05	F	92.06	F	1178.11	F
	95.12.18	1086.34	F	91.77	F	1178.11	F
	96.01.15	1086.25	F	91.86	F	1178.11	F
	96.02.19	1085.90	F	92.21	F	1178.11	F
	96.03.18	1083.47	F	94.64	F	1178.11	F
	96.04.15	1068.04	F	110.07	F	1178.11	F
	96.05.07	1075.00	F	103.11	F	1178.11	F
SIBW-12L	94.07.15	1086.64	F	90.12	F	1176.76	F
	94.08.15	1085.74	F	91.02	F	1176.76	F
	94.09.15	1074.91	F	101.85	F	1176.76	F
	94.10.17	1078.38	F	98.38	F	1176.76	F
	94.11.15	1082.95	F	93.81	F	1176.76	F
	94.12.15	1085.10	F	91.66	F	1176.76	F
	95.01.19	1089.38	F	87.38	F	1176.76	F
	95.02.15	1093.13	F	83.63	F	1176.76	F
	95.03.15	1096.91	F	79.85	F	1176.76	F
	95.04.17	1099.61	F	77.15	F	1176.76	F
	95.05.15	1099.99	F	76.77	F	1176.76	F
	95.06.16	1099.07	F	77.69	F	1176.76	F
	95.07.17	1095.89	F	80.87	F	1176.76	F
	95.08.15	1094.60	F	82.16	F	1176.76	F
	95.09.15	1094.15	F	82.61	F	1176.76	F
	95.10.16	1096.60	F	80.16	F	1176.76	F
	95.11.27	1096.16	F	80.60	F	1176.76	F
	95.12.18	1096.00	F	80.76	F	1176.76	F
	96.01.15	1095.88	F	80.88	F	1176.76	F
	96.02.19	1095.10	F	81.66	F	1176.76	F
	96.03.18	1093.14	F	83.62	F	1176.76	F
	96.04.15	1079.66	F	97.10	F	1176.76	F
	96.05.07	1086.55	F	90.21	F	1176.76	F
SIBW-13MC	94.07.15	1081.43	F	101.68	F	1183.11	F
	94.08.15	1080.62	F	102.49	F	1183.11	F
	94.09.15	1075.18	F	107.93	F	1183.11	F
	94.10.17	1069.91	F	113.20	F	1183.11	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
96.05.31 07:44:00

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-13MC	94.11.15	1077.05	F	106.06	F	1183.11	F
	94.12.15	1080.11	F	103.00	F	1183.11	F
	95.01.19	1084.70	F	98.41	F	1183.11	F
	95.02.15	1087.96	F	95.15	F	1183.11	F
	95.03.15	1091.50	F	91.61	F	1183.11	F
	95.04.17	1094.53	F	88.58	F	1183.11	F
	95.05.15	1095.12	F	87.99	F	1183.11	F
	95.06.16	1094.00	F	89.11	F	1183.11	F
	95.07.17	1091.15	F	91.96	F	1183.11	F
	95.08.15	1089.61	F	93.50	F	1183.11	F
	95.09.15	1089.10	F	94.01	F	1183.11	F
	95.10.16	1091.11	F	92.00	F	1183.11	F
	95.11.27	1091.40	F	91.71	F	1183.11	F
	95.12.18	1091.28	F	91.83	F	1183.11	F
	96.01.15	1091.48	F	91.63	F	1183.11	F
	96.02.19	1090.72	F	92.39	F	1183.11	F
	96.03.18	1088.76	F	94.35	F	1183.11	F
	96.04.15	1072.35	F	110.76	F	1183.11	F
	96.05.07	1080.42	F	102.69	F	1183.11	F
SIBW-14MC	94.07.15	1077.05	F	95.76	F	1172.81	F
	94.08.15	1073.35	F	99.46	F	1172.81	F
	94.10.17	1070.02	F	102.79	F	1172.81	F
	94.12.15	1075.05	F	97.76	F	1172.81	F
	95.02.15	1086.10	F	86.71	F	1172.81	F
	95.03.15	1090.85	F	81.96	F	1172.81	F
	95.04.17	1093.31	F	79.50	F	1172.81	F
	95.05.15	1092.88	F	79.93	F	1172.81	F
	95.06.16	1091.96	F	80.85	F	1172.81	F
	95.07.17	1088.17	F	84.64	F	1172.81	F
	95.08.15	1086.65	F	86.16	F	1172.81	F
	95.09.15	1083.58	F	89.23	F	1172.81	F
	95.10.16	1089.48	F	83.33	F	1172.81	F
	95.11.20	1088.73	F	84.08	F	1172.81	F
	95.12.18	1089.28	F	83.53	F	1172.81	F
	96.01.15	1088.69	F	84.12	F	1172.81	F
	96.02.19	1088.13	F	84.68	F	1172.81	F
	96.03.18	1085.50	F	87.31	F	1172.81	F
	96.04.15	1072.23	F	100.58	F	1172.81	F
	96.05.07	1078.50	F	94.31	F	1172.81	F
SIBW-15MB	94.07.15	1092.10	F	80.52	F	1172.62	F
	94.08.15	1091.21	F	81.41	F	1172.62	F
	94.09.15	1085.67	F	86.95	F	1172.62	F
	94.10.17	1084.16	F	88.46	F	1172.62	F
	94.11.15	1089.27	F	83.35	F	1172.62	F
	94.12.15	1091.10	F	81.52	F	1172.62	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-15MB	95.01.19	1095.30	F	77.32	F	1172.62	F
	95.02.15	1099.49	F	73.13	F	1172.62	F
	95.03.15	1103.27	F	69.35	F	1172.62	F
	95.04.17	1106.16	F	66.46	F	1172.62	F
	95.05.15	1106.96	F	65.66	F	1172.62	F
	95.06.16	1105.91	F	66.71	F	1172.62	F
	95.07.17	1103.23	F	69.39	F	1172.62	F
	95.08.15	1102.28	F	70.34	F	1172.62	F
	95.09.15	1101.85	F	70.77	F	1172.62	F
	95.10.16	1103.62	F	69.00	F	1172.62	F
	95.11.27	1103.13	F	69.49	F	1172.62	F
	95.12.18	1102.84	F	69.78	F	1172.62	F
	96.01.15	1102.31	F	70.31	F	1172.62	F
	96.02.19	1101.93	F	70.69	F	1172.62	F
	96.03.18	1100.00	F	72.62	F	1172.62	F
	96.04.15	1086.76	F	85.86	F	1172.62	F
	96.05.07	1094.64	F	77.98	F	1172.62	F
SIBW-16MB	94.07.15	1089.79	F	87.04	F	1176.83	F
	94.08.15	1089.16	F	87.67	F	1176.83	F
	94.09.15	1075.12	F	101.71	F	1176.83	F
	94.10.17	1081.93	F	94.90	F	1176.83	F
	94.11.15	1086.10	F	90.73	F	1176.83	F
	94.12.15	1087.93	F	88.90	F	1176.83	F
	95.01.19	1092.15	F	84.68	F	1176.83	F
	95.02.15	1096.09	F	80.74	F	1176.83	F
	95.03.15	1100.05	F	76.78	F	1176.83	F
	95.04.17	1102.58	F	74.25	F	1176.83	F
	95.05.15	1103.05	F	73.78	F	1176.83	F
	95.06.16	1101.92	F	74.91	F	1176.83	F
	95.07.17	1099.04	F	77.79	F	1176.83	F
	95.08.15	1097.57	F	79.26	F	1176.83	F
	95.09.15	1097.46	F	79.37	F	1176.83	F
	95.10.16	1099.44	F	77.39	F	1176.83	F
	95.11.27	1099.17	F	77.66	F	1176.83	F
	95.12.18	1098.98	F	77.85	F	1176.83	F
	96.01.15	1098.39	F	78.44	F	1176.83	F
	96.02.19	1097.70	F	79.13	F	1176.83	F
	96.03.18	1095.91	F	80.92	F	1176.83	F
	96.04.15	1083.04	F	93.79	F	1176.83	F
	96.05.07	1089.93	F	86.90	F	1176.83	F
SIBW-17MB	94.07.15	1093.84	F	86.92	F	1180.76	F
	94.08.15	1093.30	F	87.46	F	1180.76	F
	94.09.15	1089.90	F	90.86	F	1180.76	F
	94.10.17	1085.55	F	95.21	F	1180.76	F
	94.11.15	1090.50	F	90.26	F	1180.76	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-17MB	94.12.15	1092.81	F	87.95	F	1180.76	F
	95.01.19	1096.97	F	83.79	F	1180.76	F
	95.02.15	1100.47	F	80.29	F	1180.76	F
	95.03.15	1104.16	F	76.60	F	1180.76	F
	95.04.17	1107.02	F	73.74	F	1180.76	F
	95.05.15	1108.04	F	72.72	F	1180.76	F
	95.06.16	1106.96	F	73.80	F	1180.76	F
	95.07.17	1104.60	F	76.16	F	1180.76	F
	95.08.15	1103.79	F	76.97	F	1180.76	F
	95.09.15	1103.58	F	77.18	F	1180.76	F
	95.10.16	1104.34	F	76.42	F	1180.76	F
	95.11.27	1103.99	F	76.77	F	1180.76	F
	95.12.18	1103.77	F	76.99	F	1180.76	F
	96.01.15	1103.36	F	77.40	F	1180.76	F
	96.02.19	1102.88	F	77.88	F	1180.76	F
	96.03.18	1101.34	F	79.42	F	1180.76	F
	96.04.15	1088.08	F	92.68	F	1180.76	F
	96.05.07	1095.95	F	84.81	F	1180.76	F
SIBW-18MB	94.07.15	1091.31	F	81.26	F	1172.57	F
	94.08.15	1089.91	F	82.66	F	1172.57	F
	94.09.15	1086.40	F	86.17	F	1172.57	F
	94.10.17	1084.79	F	87.78	F	1172.57	F
	94.11.15	1089.28	F	83.29	F	1172.57	F
	94.12.15	1090.55	F	82.02	F	1172.57	F
	95.02.15	1099.78	F	72.79	F	1172.57	F
	95.03.15	1103.59	F	68.98	F	1172.57	F
	95.04.17	1106.47	F	66.10	F	1172.57	F
	95.05.15	1107.11	F	65.46	F	1172.57	F
	95.06.16	1105.79	F	66.78	F	1172.57	F
	95.07.17	1102.87	F	69.70	F	1172.57	F
	95.09.15	1102.42	F	70.15	F	1172.57	F
	95.10.16	1103.47	F	69.10	F	1172.57	F
	95.11.20	1102.43	F	70.14	F	1172.57	F
	95.12.18	1102.77	F	69.80	F	1172.57	F
	96.01.15	1102.12	F	70.45	F	1172.57	F
	96.02.19	1101.83	F	70.74	F	1172.57	F
	96.03.18	1099.48	F	73.09	F	1172.57	F
	96.04.15	1086.76	F	85.81	F	1172.57	F
	96.05.07	1095.46	F	77.11	F	1172.57	F
SIBW-19U	94.07.15	1117.12	F	55.83	F	1172.95	F
	94.08.15	1116.27	F	56.68	F	1172.95	F
	94.09.19	1115.08	F	57.87	F	1172.95	F
	94.10.19	1114.00	F	58.95	F	1172.95	F
	94.11.15	1113.48	F	59.47	F	1172.95	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-20U	94.07.15	1115.41	F	56.95	F	1172.36	F
	94.08.15	1114.59	F	57.77	F	1172.36	F
	94.09.19	1113.35	F	59.01	F	1172.36	F
	94.10.19	1112.14	F	60.22	F	1172.36	F
	94.11.15	1111.67	F	60.69	F	1172.36	F
SIBW-21U	94.07.15	1115.62	F	56.86	F	1172.48	F
	94.08.15	1114.81	F	57.67	F	1172.48	F
	94.09.19	1113.45	F	59.03	F	1172.48	F
	94.10.19	1112.37	F	60.11	F	1172.48	F
	94.11.15	1111.87	F	60.61	F	1172.48	F
	96.05.07	1114.61	F	57.87	F	1172.48	F
SIBW-22U	94.07.15	1115.66	F	55.93	F	1171.59	F
	94.08.15	1114.85	F	56.74	F	1171.59	F
	94.09.19	1113.54	F	58.05	F	1171.59	F
	94.10.19	1112.43	F	59.16	F	1171.59	F
	94.11.15	1111.95	F	59.64	F	1171.59	F
SIBW-23U	94.07.15	1111.32	F	61.98	F	1173.30	F
	94.08.15	1110.55	F	62.75	F	1173.30	F
	94.09.15	1109.41	F	63.89	F	1173.30	F
	94.10.17	1107.92	F	65.38	F	1173.30	F
	94.11.15	1107.42	F	65.88	F	1173.30	F
	94.12.15	1107.62	F	65.68	F	1173.30	F
	95.01.19	1111.18	F	62.12	F	1173.30	F
	95.02.15	1113.81	F	59.49	F	1173.30	F
	95.03.15	1117.69	F	55.61	F	1173.30	F
	95.04.17	1119.58	F	53.72	F	1173.30	F
	95.05.15	1120.04	F	53.26	F	1173.30	F
	95.06.16	1119.36	F	53.94	F	1173.30	F
	95.07.17	1118.07	F	55.23	F	1173.30	F
	95.08.15	1117.46	F	55.84	F	1173.30	F
	95.09.15	1117.89	F	55.41	F	1173.30	F
	95.10.16	1118.04	F	55.26	F	1173.30	F
	95.12.18	1116.15	F	57.15	F	1173.30	F
	96.02.19	1114.05	F	59.25	F	1173.30	F
	96.03.18	1113.24	F	60.06	F	1173.30	F
	96.04.15	1110.89	F	62.41	F	1173.30	F
	96.05.07	1110.52	F	62.78	F	1173.30	F
SIBW-24U	94.07.15	1111.30	F	62.55	F	1173.85	F
	94.08.15	1110.55	F	63.30	F	1173.85	F
	94.09.15	1109.28	F	64.57	F	1173.85	F
	94.10.17	1107.90	F	65.95	F	1173.85	F
	94.11.15	1107.36	F	66.49	F	1173.85	F
	94.12.15	1107.53	F	66.32	F	1173.85	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-24U	95.01.19	1111.00	F	62.85	F	1173.85	F
	95.02.15	1113.73	F	60.12	F	1173.85	F
	95.03.15	1117.58	F	56.27	F	1173.85	F
	95.04.17	1119.57	F	54.28	F	1173.85	F
	95.05.15	1120.03	F	53.82	F	1173.85	F
	95.06.16	1119.43	F	54.42	F	1173.85	F
	95.07.17	1118.03	F	55.82	F	1173.85	F
	95.08.15	1117.43	F	56.42	F	1173.85	F
	95.09.15	1117.90	F	55.95	F	1173.85	F
	95.10.16	1118.03	F	55.82	F	1173.85	F
	95.11.27	1117.02	F	56.83	F	1173.85	F
	95.12.18	1116.07	F	57.78	F	1173.85	F
	96.01.15	1115.00	F	58.85	F	1173.85	F
	96.02.19	1113.96	F	59.89	F	1173.85	F
	96.03.18	1113.11	F	60.74	F	1173.85	F
	96.04.15	1110.85	F	63.00	F	1173.85	F
	96.05.07	1110.44	F	63.41	F	1173.85	F
SIBW-25U	94.07.15	1111.38	F	62.47	F	1173.85	F
	94.08.15	1110.66	F	63.19	F	1173.85	F
	94.09.15	1109.39	F	64.46	F	1173.85	F
	94.10.17	1107.99	F	65.86	F	1173.85	F
	94.11.15	1107.50	F	66.35	F	1173.85	F
	94.12.15	1107.57	F	66.28	F	1173.85	F
	95.02.15	1113.74	F	60.11	F	1173.85	F
	95.03.15	1117.58	F	56.27	F	1173.85	F
	95.04.17	1119.58	F	54.27	F	1173.85	F
	95.05.15	1120.05	F	53.80	F	1173.85	F
	95.06.16	1119.43	F	54.42	F	1173.85	F
	95.07.17	1118.19	F	55.66	F	1173.85	F
	95.08.15	1117.43	F	56.42	F	1173.85	F
	95.09.15	1117.92	F	55.93	F	1173.85	F
	95.10.16	1118.07	F	55.78	F	1173.85	F
	95.11.27	1116.95	F	56.90	F	1173.85	F
	95.12.18	1116.12	F	57.73	F	1173.85	F
	96.01.15	1115.12	F	58.73	F	1173.85	F
	96.02.19	1114.06	F	59.79	F	1173.85	F
	96.03.18	1113.24	F	60.61	F	1173.85	F
	96.04.15	1111.01	F	62.84	F	1173.85	F
	96.05.07	1110.58	F	63.27	F	1173.85	F
SIBW-26U	94.07.15	1112.43	F	71.44	F	1183.87	F
	94.08.15	1111.69	F	72.18	F	1183.87	F
	94.09.15	1110.76	F	73.11	F	1183.87	F
	94.10.17	1109.33	F	74.54	F	1183.87	F
	94.11.15	1108.36	F	75.51	F	1183.87	F
	94.12.15	1108.34	F	75.53	F	1183.87	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-26U	95.01.19	1110.16	F	73.71	F	1183.87	F
	95.02.15	1112.74	F	71.13	F	1183.87	F
	95.03.15	1115.89	F	67.98	F	1183.87	F
	95.04.17	1118.53	F	65.34	F	1183.87	F
	95.05.15	1119.70	F	64.17	F	1183.87	F
	95.06.16	1119.96	F	63.91	F	1183.87	F
	95.07.17	1119.48	F	64.39	F	1183.87	F
	95.08.15	1119.01	F	64.86	F	1183.87	F
	95.09.15	1118.96	F	64.91	F	1183.87	F
	95.10.16	1118.90	F	64.97	F	1183.87	F
	95.11.27	1117.71	F	66.16	F	1183.87	F
	95.12.18	1116.97	F	66.90	F	1183.87	F
	96.01.15	1116.09	F	67.78	F	1183.87	F
	96.02.19	1115.15	F	68.72	F	1183.87	F
	96.03.18	1114.63	F	69.24	F	1183.87	F
	96.04.15	1112.85	F	71.02	F	1183.87	F
	96.05.07	1112.22	F	71.65	F	1183.87	F
SIBW-27U	94.07.15	1112.06	F	67.30	F	1179.36	F
	94.08.15	1111.41	F	67.95	F	1179.36	F
	94.09.15	1110.34	F	69.02	F	1179.36	F
	94.10.17	1109.01	F	70.35	F	1179.36	F
	94.11.15	1108.16	F	71.20	F	1179.36	F
	94.12.15	1107.97	F	71.39	F	1179.36	F
	95.01.19	1109.91	F	69.45	F	1179.36	F
	95.02.15	1112.63	F	66.73	F	1179.36	F
	95.03.15	1115.69	F	63.67	F	1179.36	F
	95.04.17	1118.23	F	61.13	F	1179.36	F
	95.05.15	1119.29	F	60.07	F	1179.36	F
	95.06.16	1119.37	F	59.99	F	1179.36	F
	95.07.17	1118.82	F	60.54	F	1179.36	F
	95.08.15	1118.26	F	61.10	F	1179.36	F
	95.09.15	1118.41	F	60.95	F	1179.36	F
	95.10.16	1118.24	F	61.12	F	1179.36	F
	95.11.27	1117.28	F	62.08	F	1179.36	F
	95.12.18	1116.68	F	62.68	F	1179.36	F
	96.01.15	1115.73	F	63.63	F	1179.36	F
	96.02.19	1114.71	F	64.65	F	1179.36	F
	96.03.18	1114.14	F	65.22	F	1179.36	F
	96.04.15	1112.36	F	67.00	F	1179.36	F
	96.05.07	1111.86	F	67.50	F	1179.36	F
SIBW-28U	94.07.15	1109.18	F	60.65	F	1169.83	F
	94.08.15	1108.52	F	61.31	F	1169.83	F
	94.09.15	1107.56	F	62.27	F	1169.83	F
	94.10.17	1105.94	F	63.89	F	1169.83	F
	94.11.15	1105.29	F	64.54	F	1169.83	F

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REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-28U	94.12.15	1105.25	F	64.58	F	1169.83	F
	95.01.19	1106.96	F	62.87	F	1169.83	F
	95.02.15	1109.02	F	60.81	F	1169.83	F
	95.03.15	1111.37	F	58.46	F	1169.83	F
	95.04.17	1113.22	F	56.61	F	1169.83	F
	95.05.15	1114.45	F	55.38	F	1169.83	F
	95.06.16	1114.62	F	55.21	F	1169.83	F
	95.07.17	1114.02	F	55.81	F	1169.83	F
	95.08.15	1113.56	F	56.27	F	1169.83	F
	95.09.15	1113.90	F	55.93	F	1169.83	F
	95.10.16	1114.19	F	55.64	F	1169.83	F
	95.11.27	1113.58	F	56.25	F	1169.83	F
	95.12.18	1113.11	F	56.72	F	1169.83	F
	96.01.15	1112.46	F	57.37	F	1169.83	F
	96.02.19	1111.73	F	58.10	F	1169.83	F
	96.03.18	1110.83	F	59.00	F	1169.83	F
	96.04.15	1108.72	F	61.11	F	1169.83	F
	96.05.07	1108.40	F	61.43	F	1169.83	F
SIBW-29U	94.07.15	1110.42	F	59.29	F	1169.71	F
	94.08.15	1109.60	F	60.11	F	1169.71	F
	94.09.15	1108.65	F	61.06	F	1169.71	F
	94.10.17	1107.06	F	62.65	F	1169.71	F
	94.11.15	1106.61	F	63.10	F	1169.71	F
	94.12.15	1106.90	F	62.81	F	1169.71	F
	95.01.19	1112.13	F	57.58	F	1169.71	F
	95.02.15	1114.19	F	55.52	F	1169.71	F
	95.03.15	1118.74	F	50.97	F	1169.71	F
	95.04.17	1119.91	F	49.80	F	1169.71	F
	95.05.15	1119.99	F	49.72	F	1169.71	F
	95.06.16	1118.49	F	51.22	F	1169.71	F
	95.07.17	1117.12	F	52.59	F	1169.71	F
	95.08.15	1116.26	F	53.45	F	1169.71	F
	95.09.15	1117.02	F	52.69	F	1169.71	F
	95.10.16	1117.49	F	52.22	F	1169.71	F
	95.11.27	1116.42	F	53.29	F	1169.71	F
	95.12.18	1115.42	F	54.29	F	1169.71	F
	96.01.15	1114.20	F	55.51	F	1169.71	F
	96.02.19	1113.10	F	56.61	F	1169.71	F
	96.03.18	1112.21	F	57.50	F	1169.71	F
	96.04.15	1108.61	F	61.10	F	1169.71	F
	96.05.07	1109.35	F	60.36	F	1169.71	F
SIBW-30U	94.07.15	1115.87	F	61.08	F	1176.95	F
	94.08.15	1115.10	F	61.85	F	1176.95	F
	94.09.15	1113.92	F	63.03	F	1176.95	F
	94.10.17	1112.60	F	64.35	F	1176.95	F

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STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-30U	94.11.15	1111.92	F	65.03	F	1176.95	F
	94.12.15	1111.95	F	65.00	F	1176.95	F
	95.01.19	1116.42	F	60.53	F	1176.95	F
	95.03.16	1123.01	F	53.94	F	1176.95	F
	95.04.17	1124.89	F	52.06	F	1176.95	F
	95.05.15	1125.41	F	51.54	F	1176.95	F
	95.06.16	1124.96	F	51.99	F	1176.95	F
	95.07.17	1124.04	F	52.91	F	1176.95	F
	95.09.15	1123.15	F	53.80	F	1176.95	F
	95.10.16	1122.81	F	54.14	F	1176.95	F
	95.11.27	1121.24	F	55.71	F	1176.95	F
	95.12.18	1120.19	F	56.76	F	1176.95	F
	96.01.15	1118.87	F	58.08	F	1176.95	F
	96.02.19	1117.90	F	59.05	F	1176.95	F
	96.03.18	1117.54	F	59.41	F	1176.95	F
	96.04.15	1115.76	F	61.19	F	1176.95	F
	96.05.07	1115.34	F	61.61	F	1176.95	F
SIBW-31U	94.07.15	1115.58	F	60.35	F	1175.93	F
	94.08.15	1114.82	F	61.11	F	1175.93	F
	94.09.15	1113.66	F	62.27	F	1175.93	F
	94.10.17	1112.42	F	63.51	F	1175.93	F
	94.11.15	1111.65	F	64.28	F	1175.93	F
	94.12.15	1111.68	F	64.25	F	1175.93	F
	95.02.15	1118.20	F	57.73	F	1175.93	F
	95.03.15	1122.83	F	53.10	F	1175.93	F
	95.04.17	1124.74	F	51.19	F	1175.93	F
	95.05.15	1125.11	F	50.82	F	1175.93	F
	95.06.16	1124.59	F	51.34	F	1175.93	F
	95.07.17	1123.66	F	52.27	F	1175.93	F
	95.08.15	1122.83	F	53.10	F	1175.93	F
	95.09.15	1122.90	F	53.03	F	1175.93	F
	95.10.16	1122.55	F	53.38	F	1175.93	F
	95.11.27	1121.07	F	54.86	F	1175.93	F
	95.12.18	1119.97	F	55.96	F	1175.93	F
	96.01.15	1118.61	F	57.32	F	1175.93	F
	96.02.19	1117.65	F	58.28	F	1175.93	F
	96.03.18	1117.18	F	58.75	F	1175.93	F
	96.04.15	1115.42	F	60.51	F	1175.93	F
	96.05.07	1114.97	F	60.96	F	1175.93	F
SIBW-32U	94.07.15	1114.30	F	65.33	F	1179.63	F
	94.08.15	1113.52	F	66.11	F	1179.63	F
	94.09.15	1112.41	F	67.22	F	1179.63	F
	94.10.17	1110.87	F	68.76	F	1179.63	F
	94.12.15	1110.22	F	69.41	F	1179.63	F
	95.01.19	1112.85	F	66.78	F	1179.63	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-32U	95.02.15	1115.71	F	63.92	F	1179.63	F
	95.03.15	1119.60	F	60.03	F	1179.63	F
	95.04.17	1121.95	F	57.68	F	1179.63	F
	95.05.15	1122.97	F	56.66	F	1179.63	F
	95.06.16	1123.03	F	56.60	F	1179.63	F
	95.07.17	1122.28	F	57.35	F	1179.63	F
	95.08.15	1121.63	F	58.00	F	1179.63	F
	95.09.15	1118.00	F	61.63	F	1179.63	F
	95.10.16	1120.99	F	58.64	F	1179.63	F
	95.11.27	1119.70	F	59.93	F	1179.63	F
	95.12.18	1118.84	F	60.79	F	1179.63	F
	96.01.15	1117.68	F	61.95	F	1179.63	F
	96.02.19	1116.69	F	62.94	F	1179.63	F
	96.03.18	1116.42	F	63.21	F	1179.63	F
	96.04.15	1114.40	F	65.23	F	1179.63	F
	96.05.07	1114.11	F	65.52	F	1179.63	F
SIBW-33U	94.07.15	1107.33	F	75.58	F	1182.91	F
	94.08.15	1113.38	F	69.53	F	1182.91	F
	94.09.15	1112.26	F	70.65	F	1182.91	F
	94.10.17	1110.70	F	72.21	F	1182.91	F
	94.11.15	1110.00	F	72.91	F	1182.91	F
	94.12.15	1110.03	F	72.88	F	1182.91	F
	95.01.19	1112.48	F	70.43	F	1182.91	F
	95.02.15	1115.45	F	67.46	F	1182.91	F
	95.03.15	1119.31	F	63.60	F	1182.91	F
	95.04.17	1121.77	F	61.14	F	1182.91	F
	95.05.15	1122.82	F	60.09	F	1182.91	F
	95.06.16	1122.90	F	60.01	F	1182.91	F
	95.07.17	1122.22	F	60.69	F	1182.91	F
	95.08.15	1121.49	F	61.42	F	1182.91	F
	95.09.15	1124.68	F	58.23	F	1182.91	F
	95.10.16	1120.87	F	62.04	F	1182.91	F
	95.11.27	1119.59	F	63.32	F	1182.91	F
	95.12.18	1118.72	F	64.19	F	1182.91	F
	96.01.15	1117.54	F	65.37	F	1182.91	F
	96.02.19	1116.68	F	66.23	F	1182.91	F
	96.03.18	1116.40	F	66.51	F	1182.91	F
	96.04.15	1114.29	F	68.62	F	1182.91	F
	96.05.07	1114.03	F	68.88	F	1182.91	F
SIBW-36U	94.07.15	1117.36	F	63.62	F	1180.98	F
	94.08.15	1116.47	F	64.51	F	1180.98	F
	94.09.15	1115.09	F	65.89	F	1180.98	F
	94.10.17	1114.07	F	66.91	F	1180.98	F
	94.11.15	1113.29	F	67.69	F	1180.98	F
	94.12.15	1113.30	F	67.68	F	1180.98	F

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STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-36U	95.01.19	1117.17	F	63.81	F	1180.98	F
	95.02.15	1119.95	F	61.03	F	1180.98	F
	95.03.15	1124.94	F	56.04	F	1180.98	F
	95.04.17	1126.72	F	54.26	F	1180.98	F
	95.05.15	1127.08	F	53.90	F	1180.98	F
	95.06.16	1126.64	F	54.34	F	1180.98	F
	95.07.17	1125.72	F	55.26	F	1180.98	F
	95.08.15	1124.88	F	56.10	F	1180.98	F
	95.09.15	1124.63	F	56.35	F	1180.98	F
	95.10.16	1123.85	F	57.13	F	1180.98	F
	95.11.27	1122.45	F	58.53	F	1180.98	F
	95.12.18	1121.29	F	59.69	F	1180.98	F
	96.01.15	1120.84	F	60.14	F	1180.98	F
	96.02.19	1118.99	F	61.99	F	1180.98	F
	96.03.18	1118.64	F	62.34	F	1180.98	F
	96.04.15	1116.94	F	64.04	F	1180.98	F
	96.05.07	1116.53	F	64.45	F	1180.98	F
SIBW-37U	94.07.15	1117.58	F	62.39	F	1179.97	F
	94.08.15	1116.58	F	63.39	F	1179.97	F
	94.09.15	1115.29	F	64.68	F	1179.97	F
	94.10.17	1114.18	F	65.79	F	1179.97	F
	94.11.15	1113.40	F	66.57	F	1179.97	F
	94.12.15	1113.44	F	66.53	F	1179.97	F
	95.01.19	1117.24	F	62.73	F	1179.97	F
	95.02.15	1120.09	F	59.88	F	1179.97	F
	95.03.15	1124.99	F	54.98	F	1179.97	F
	95.04.17	1126.88	F	53.09	F	1179.97	F
	95.05.15	1127.25	F	52.72	F	1179.97	F
	95.06.16	1126.94	F	53.03	F	1179.97	F
	95.07.17	1126.02	F	53.95	F	1179.97	F
	95.08.15	1125.16	F	54.81	F	1179.97	F
	95.09.15	1124.81	F	55.16	F	1179.97	F
	95.10.16	1124.14	F	55.83	F	1179.97	F
	95.11.20	1122.97	F	57.00	F	1179.97	F
	95.12.18	1121.52	F	58.45	F	1179.97	F
	96.01.15	1120.09	F	59.88	F	1179.97	F
	96.02.19	1119.16	F	60.81	F	1179.97	F
	96.03.18	1118.93	F	61.04	F	1179.97	F
	96.04.15	1117.06	F	62.91	F	1179.97	F
	96.05.07	1116.76	F	63.21	F	1179.97	F
SIBW-38U	94.07.15	1108.52	F	67.82	F	1176.34	F
	94.08.15	1107.95	F	68.39	F	1176.34	F
	94.09.15	1107.10	F	69.24	F	1176.34	F
	94.10.17	1105.57	F	70.77	F	1176.34	F
	94.11.15	1104.93	F	71.41	F	1176.34	F

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STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-38U	94.12.15	1104.82	F	71.52	F	1176.34	F
	95.01.19	1105.75	F	70.59	F	1176.34	F
	95.02.15	1107.46	F	68.88	F	1176.34	F
	95.03.15	1109.37	F	66.97	F	1176.34	F
	95.04.17	1111.31	F	65.03	F	1176.34	F
	95.05.15	1112.87	F	63.47	F	1176.34	F
	95.06.16	1113.20	F	63.14	F	1176.34	F
	95.07.17	1112.85	F	63.49	F	1176.34	F
	95.08.15	1112.73	F	63.61	F	1176.34	F
	95.09.15	1112.85	F	63.49	F	1176.34	F
	95.10.16	1113.03	F	63.31	F	1176.34	F
	95.11.27	1112.62	F	63.72	F	1176.34	F
	95.12.18	1112.34	F	64.00	F	1176.34	F
	96.01.15	1111.87	F	64.47	F	1176.34	F
	96.02.19	1111.17	F	65.17	F	1176.34	F
	96.03.18	1110.35	F	65.99	F	1176.34	F
	96.04.15	1108.47	F	67.87	F	1176.34	F
	96.05.07	1108.09	F	68.25	F	1176.34	F
SIBW-39U	94.07.15	1110.52	F	76.36	F	1186.88	F
	94.08.15	1110.07	F	76.81	F	1186.88	F
	94.09.15	1109.29	F	77.59	F	1186.88	F
	94.10.17	1108.05	F	78.83	F	1186.88	F
	94.11.15	1106.95	F	79.93	F	1186.88	F
	94.12.15	1106.64	F	80.24	F	1186.88	F
	95.02.15	1109.65	F	77.23	F	1186.88	F
	95.03.15	1112.07	F	74.81	F	1186.88	F
	95.04.17	1114.27	F	72.61	F	1186.88	F
	95.05.15	1115.86	F	71.02	F	1186.88	F
	95.06.16	1116.53	F	70.35	F	1186.88	F
	95.07.17	1116.37	F	70.51	F	1186.88	F
	95.08.15	1116.16	F	70.72	F	1186.88	F
	95.09.15	1116.17	F	70.71	F	1186.88	F
	95.10.16	1116.19	F	70.69	F	1186.88	F
	95.11.27	1115.54	F	71.34	F	1186.88	F
	95.12.18	1114.88	F	72.00	F	1186.88	F
	96.01.15	1114.25	F	72.63	F	1186.88	F
	96.02.19	1113.49	F	73.39	F	1186.88	F
	96.03.18	1112.88	F	74.00	F	1186.88	F
	96.04.15	1111.38	F	75.50	F	1186.88	F
	96.05.07	1110.80	F	76.08	F	1186.88	F
SIBW-40U	94.07.15	1110.14	F	61.72	F	1171.86	F
	94.08.15	1109.48	F	62.38	F	1171.86	F
	94.09.15	1108.45	F	63.41	F	1171.86	F
	94.10.17	1106.88	F	64.98	F	1171.86	F
	94.11.15	1106.22	F	65.64	F	1171.86	F

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STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-40U	94.12.15	1106.24	F	65.62	F	1171.86	F
	95.01.19	1108.77	F	63.09	F	1171.86	F
	95.02.15	1111.12	F	60.74	F	1171.86	F
	95.03.15	1114.11	F	57.75	F	1171.86	F
	95.04.17	1116.03	F	55.83	F	1171.86	F
	95.05.15	1116.97	F	54.89	F	1171.86	F
	95.06.16	1120.71	F	51.15	F	1171.86	F
	95.07.17	1115.89	F	55.97	F	1171.86	F
	95.08.15	1115.34	F	56.52	F	1171.86	F
	95.09.15	1115.75	F	56.11	F	1171.86	F
	95.10.16	1115.98	F	55.88	F	1171.86	F
	95.11.27	1115.15	F	56.71	F	1171.86	F
	95.12.18	1114.51	F	57.35	F	1171.86	F
	96.01.15	1113.75	F	58.11	F	1171.86	F
	96.02.19	1112.78	F	59.08	F	1171.86	F
	96.03.18	1111.90	F	59.96	F	1171.86	F
	96.04.15	1109.72	F	62.14	F	1171.86	F
	96.05.07	1109.25	F	62.61	F	1171.86	F
SIBW-41U	94.07.15	1110.43	F	61.68	F	1172.11	F
	94.08.15	1109.78	F	62.33	F	1172.11	F
	94.09.15	1108.80	F	63.31	F	1172.11	F
	94.11.15	1106.63	F	65.48	F	1172.11	F
	95.01.19	1108.64	F	63.47	F	1172.11	F
	95.02.15	1111.09	F	61.02	F	1172.11	F
	95.03.15	1113.98	F	58.13	F	1172.11	F
	95.04.17	1116.07	F	56.04	F	1172.11	F
	95.05.15	1117.10	F	55.01	F	1172.11	F
	95.06.16	1117.00	F	55.11	F	1172.11	F
	95.07.17	1116.16	F	55.95	F	1172.11	F
	95.08.15	1115.78	F	56.33	F	1172.11	F
	95.09.15	1116.04	F	56.07	F	1172.11	F
	95.10.16	1116.11	F	56.00	F	1172.11	F
	95.11.27	1115.45	F	56.66	F	1172.11	F
	95.12.18	1114.77	F	57.34	F	1172.11	F
	96.01.15	1114.01	F	58.10	F	1172.11	F
	96.02.19	1113.07	F	59.04	F	1172.11	F
	96.03.18	1112.13	F	59.98	F	1172.11	F
	96.04.15	1110.21	F	61.90	F	1172.11	F
	96.05.07	1109.74	F	62.37	F	1172.11	F
SIBW-43U	94.07.15	1120.49	F	54.87	F	1175.36	F
	94.08.15	1119.52	F	55.84	F	1175.36	F
	94.09.15	1118.56	F	56.80	F	1175.36	F
	94.10.17	1117.62	F	57.74	F	1175.36	F
	94.11.15	1117.07	F	58.29	F	1175.36	F
	94.12.15	1117.45	F	57.91	F	1175.36	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-43U	95.01.19	1125.24	F	50.12	F	1175.36	F
	95.02.15	1127.25	F	48.11	F	1175.36	F
	95.03.15	1134.79	F	40.57	F	1175.36	F
	95.04.17	1134.80	F	40.56	F	1175.36	F
	95.05.15	1132.94	F	42.42	F	1175.36	F
	95.06.16	1130.81	F	44.55	F	1175.36	F
	95.07.17	1129.32	F	46.04	F	1175.36	F
	95.08.15	1128.24	F	47.12	F	1175.36	F
	95.09.15	1128.79	F	46.57	F	1175.36	F
	95.10.16	1127.44	F	47.92	F	1175.36	F
	95.11.20	1126.26	F	49.10	F	1175.36	F
	95.12.18	1123.98	F	51.38	F	1175.36	F
	96.01.15	1121.82	F	53.54	F	1175.36	F
	96.02.19	1121.33	F	54.03	F	1175.36	F
	96.03.18	1121.21	F	54.15	F	1175.36	F
	96.04.15	1119.45	F	55.91	F	1175.36	F
	96.05.07	1118.99	F	56.37	F	1175.36	F
SIBW-44U	94.07.15	1116.29	F	57.52	F	1173.81	F
	94.08.15	1115.49	F	58.32	F	1173.81	F
	94.09.15	1114.37	F	59.44	F	1173.81	F
	94.10.17	1113.20	F	60.61	F	1173.81	F
	94.11.15	1112.58	F	61.23	F	1173.81	F
	94.12.15	1113.19	F	60.62	F	1173.81	F
	95.01.19	1119.73	F	54.08	F	1173.81	F
	95.02.15	1122.13	F	51.68	F	1173.81	F
	95.03.15	1128.38	F	45.43	F	1173.81	F
	95.04.17	1129.60	F	44.21	F	1173.81	F
	95.05.15	1128.53	F	45.28	F	1173.81	F
	95.06.16	1126.39	F	47.42	F	1173.81	F
	95.07.17	1124.75	F	49.06	F	1173.81	F
	95.08.15	1123.77	F	50.04	F	1173.81	F
	95.09.15	1124.46	F	49.35	F	1173.81	F
	95.10.16	1123.84	F	49.97	F	1173.81	F
	95.11.20	1122.59	F	51.22	F	1173.81	F
	95.12.18	1120.78	F	53.03	F	1173.81	F
	96.01.15	1118.92	F	54.89	F	1173.81	F
	96.02.19	1118.12	F	55.69	F	1173.81	F
	96.03.18	1117.40	F	56.41	F	1173.81	F
	96.04.15	1115.42	F	58.39	F	1173.81	F
	96.05.07	1115.01	F	58.80	F	1173.81	F
SIBW-45U	94.07.15	1116.34	F	57.58	F	1173.92	F
	94.08.15	1115.61	F	58.31	F	1173.92	F
	94.09.15	1114.38	F	59.54	F	1173.92	F
	94.10.17	1113.23	F	60.69	F	1173.92	F
	94.11.15	1112.62	F	61.30	F	1173.92	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-45U	94.12.15	1113.14	F	60.78	F	1173.92	F
	95.01.19	1119.52	F	54.40	F	1173.92	F
	95.02.15	1121.95	F	51.97	F	1173.92	F
	95.03.15	1128.19	F	45.73	F	1173.92	F
	95.04.17	1129.39	F	44.53	F	1173.92	F
	95.05.15	1128.38	F	45.54	F	1173.92	F
	95.06.16	1126.46	F	47.46	F	1173.92	F
	95.07.17	1124.85	F	49.07	F	1173.92	F
	95.08.15	1123.85	F	50.07	F	1173.92	F
	95.09.15	1124.43	F	49.49	F	1173.92	F
	95.10.16	1123.92	F	50.00	F	1173.92	F
	95.11.20	1122.68	F	51.24	F	1173.92	F
	95.12.18	1120.87	F	53.05	F	1173.92	F
	96.01.15	1119.05	F	54.87	F	1173.92	F
	96.02.19	1118.27	F	55.65	F	1173.92	F
	96.03.18	1117.50	F	56.42	F	1173.92	F
	96.04.15	1115.54	F	58.38	F	1173.92	F
	96.05.07	1114.89	F	59.03	F	1173.92	F
SIBW-46U	94.07.15	1116.96	F	59.22	F	1176.18	F
	94.08.15	1116.22	F	59.96	F	1176.18	F
	94.09.15	1115.04	F	61.14	F	1176.18	F
	94.10.17	1113.89	F	62.29	F	1176.18	F
	94.11.05	1113.14	F	63.04	F	1176.18	F
	94.12.15	1113.17	F	63.01	F	1176.18	F
	95.01.19	1117.67	F	58.51	F	1176.18	F
	95.02.15	1120.38	F	55.80	F	1176.18	F
	95.03.15	1125.85	F	50.33	F	1176.18	F
	95.04.17	1127.48	F	48.70	F	1176.18	F
	95.05.15	1127.08	F	49.10	F	1176.18	F
	95.06.16	1126.39	F	49.79	F	1176.18	F
	95.07.17	1125.20	F	50.98	F	1176.18	F
	95.08.15	1124.40	F	51.78	F	1176.18	F
	95.09.15	1124.47	F	51.71	F	1176.18	F
	95.11.27	1122.35	F	53.83	F	1176.18	F
	95.12.18	1121.19	F	54.99	F	1176.18	F
	96.01.15	1119.41	F	56.77	F	1176.18	F
	96.02.19	1118.75	F	57.43	F	1176.18	F
	96.03.18	1118.23	F	57.95	F	1176.18	F
	96.04.15	1116.58	F	59.60	F	1176.18	F
	96.05.07	1116.08	F	60.10	F	1176.18	F
SIBW-47U	94.07.15	1109.65	F	57.05	F	1166.70	F
	94.08.15	1108.89	F	57.81	F	1166.70	F
	94.09.15	1108.11	F	58.59	F	1166.70	F
	94.10.17	1106.36	F	60.34	F	1166.70	F
	94.11.15	1105.56	F	61.14	F	1166.70	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-47U	94.12.15	1105.68	F	61.02	F	1166.70	F
	95.01.19	1108.39	F	58.31	F	1166.70	F
	95.02.15	1110.31	F	56.39	F	1166.70	F
	95.03.15	1112.97	F	53.73	F	1166.70	F
	95.04.17	1114.54	F	52.16	F	1166.70	F
	95.05.15	1115.56	F	51.14	F	1166.70	F
	95.06.16	1115.45	F	51.25	F	1166.70	F
	95.07.17	1114.71	F	51.99	F	1166.70	F
	95.08.15	1114.06	F	52.64	F	1166.70	F
	95.09.15	1114.68	F	52.02	F	1166.70	F
	95.10.16	1114.95	F	51.75	F	1166.70	F
	95.11.27	1114.11	F	52.59	F	1166.70	F
	95.12.18	1113.67	F	53.03	F	1166.70	F
	96.01.15	1113.00	F	53.70	F	1166.70	F
	96.02.19	1111.89	F	54.81	F	1166.70	F
	96.03.18	1111.01	F	55.69	F	1166.70	F
	96.04.15	1108.73	F	57.97	F	1166.70	F
	96.05.07	1108.71	F	57.99	F	1166.70	F
SIBW-48U	94.07.15	1111.01	F	66.34	F	1177.35	F
	94.08.15	1110.43	F	66.92	F	1177.35	F
	94.09.15	1109.28	F	68.07	F	1177.35	F
	94.10.17	1107.91	F	69.44	F	1177.35	F
	94.11.15	1107.19	F	70.16	F	1177.35	F
	94.12.15	1107.07	F	70.28	F	1177.35	F
	95.01.19	1109.17	F	68.18	F	1177.35	F
	95.02.15	1111.72	F	65.63	F	1177.35	F
	95.03.15	1114.68	F	62.67	F	1177.35	F
	95.04.17	1117.04	F	60.31	F	1177.35	F
	95.05.15	1118.13	F	59.22	F	1177.35	F
	95.06.16	1118.14	F	59.21	F	1177.35	F
	95.07.17	1117.38	F	59.97	F	1177.35	F
	95.08.15	1116.69	F	60.66	F	1177.35	F
	95.09.15	1117.09	F	60.26	F	1177.35	F
	95.10.16	1117.11	F	60.24	F	1177.35	F
	95.11.27	1116.27	F	61.08	F	1177.35	F
	95.12.18	1115.56	F	61.79	F	1177.35	F
	96.01.15	1114.76	F	62.59	F	1177.35	F
	96.02.19	1114.35	F	63.00	F	1177.35	F
	96.02.19	1113.81	F	63.54	F	1177.35	F
	96.03.18	1112.68	F	64.67	F	1177.35	F
	96.04.15	1111.06	F	66.29	F	1177.35	F
	96.05.07	1110.65	F	66.70	F	1177.35	F
SIBW-49U	94.07.15	1112.85	F	74.63	F	1187.48	F
	94.08.15	1112.11	F	75.37	F	1187.48	F
	94.09.15	1111.09	F	76.39	F	1187.48	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-49U	94.10.17	1109.24	F	78.24	F	1187.48	F
	94.11.15	1108.60	F	78.88	F	1187.48	F
	94.12.15	1108.68	F	78.80	F	1187.48	F
	95.01.19	1110.69	F	76.79	F	1187.48	F
	95.02.15	1113.30	F	74.18	F	1187.48	F
	95.03.15	1116.65	F	70.83	F	1187.48	F
	95.04.17	1119.39	F	68.09	F	1187.48	F
	95.05.15	1120.65	F	66.83	F	1187.48	F
	95.06.16	1121.06	F	66.42	F	1187.48	F
	95.07.17	1120.59	F	66.89	F	1187.48	F
	95.08.15	1120.02	F	67.46	F	1187.48	F
	95.09.15	1119.73	F	67.75	F	1187.48	F
	95.10.16	1119.34	F	68.14	F	1187.48	F
	95.11.27	1118.24	F	69.24	F	1187.48	F
	95.12.18	1117.48	F	70.00	F	1187.48	F
	96.01.15	1116.52	F	70.96	F	1187.48	F
	96.02.19	1115.69	F	71.79	F	1187.48	F
	96.03.18	1115.45	F	72.03	F	1187.48	F
	96.04.15	1113.23	F	74.25	F	1187.48	F
	96.05.07	1113.05	F	74.43	F	1187.48	F
SIBW-50U	94.07.13	1119.96	F	58.14	F	1178.10	F
	94.08.15	1119.00	F	59.10	F	1178.10	F
	94.09.15	1123.96	F	54.14	F	1178.10	F
	94.10.21	1116.76	F	61.34	F	1178.10	F
SIBW-51U	94.07.13	1118.97	F	59.10	F	1178.07	F
	94.08.15	1118.07	F	60.00	F	1178.07	F
	94.09.15	1118.07	F	60.00	F	1178.07	F
	94.10.21	1115.69	F	62.38	F	1178.07	F
SIBW-52U	94.07.13	1118.34	F	59.14	F	1177.48	F
	94.08.15	1117.46	F	60.02	F	1177.48	F
	94.09.15	1116.20	F	61.28	F	1177.48	F
	94.10.21	1115.03	F	62.45	F	1177.48	F
SIBW-53U	94.07.13	1118.20	F	59.64	F	1177.84	F
	94.08.15	1117.32	F	60.52	F	1177.84	F
	94.09.15	1116.12	F	61.72	F	1177.84	F
	94.10.21	1114.91	F	62.93	F	1177.84	F
SIBW-54MB	94.07.15	1095.79	F	73.04	F	1168.83	F
	94.08.15	1095.32	F	73.51	F	1168.83	F
	94.09.15	1088.73	F	80.10	F	1168.83	F
	94.10.17	1089.94	F	78.89	F	1168.83	F
	94.11.15	1092.70	F	76.13	F	1168.83	F
	94.12.15	1093.88	F	74.95	F	1168.83	F

TDM II

TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-54MB	95.01.19	1098.48	F	70.35	F	1168.83	F
	95.02.15	1101.90	F	66.93	F	1168.83	F
	95.03.15	1106.19	F	62.64	F	1168.83	F
	95.04.17	1107.59	F	61.24	F	1168.83	F
	95.05.15	1107.95	F	60.88	F	1168.83	F
	95.06.16	1106.75	F	62.08	F	1168.83	F
	95.07.17	1103.05	F	65.78	F	1168.83	F
	95.08.15	1082.85	F	85.98	F	1168.83	F
	95.09.15	1103.16	F	65.67	F	1168.83	F
	95.10.16	1104.93	F	63.90	F	1168.83	F
	95.11.27	1103.94	F	64.89	F	1168.83	F
	95.12.18	1103.72	F	65.11	F	1168.83	F
	96.01.15	1102.94	F	65.89	F	1168.83	F
	96.02.19	1102.08	F	66.75	F	1168.83	F
	96.03.18	1100.48	F	68.35	F	1168.83	F
	96.04.15	1091.42	F	77.41	F	1168.83	F
	96.05.07	1095.62	F	73.21	F	1168.83	F
SIBW-55MC	94.10.17	1061.84	F	119.68	F	1181.52	F
	94.11.15	1071.97	F	109.55	F	1181.52	F
	94.12.15	1076.24	F	105.28	F	1181.52	F
	95.01.19	1080.17	F	101.35	F	1181.52	F
	95.02.15	1083.75	F	97.77	F	1181.52	F
	95.04.17	1091.45	F	90.07	F	1181.52	F
	95.05.15	1091.89	F	89.63	F	1181.52	F
	95.06.16	1091.17	F	90.35	F	1181.52	F
	95.07.17	1088.28	F	93.24	F	1181.52	F
	95.08.15	1087.39	F	94.13	F	1181.52	F
	95.09.15	1086.86	F	94.66	F	1181.52	F
	95.10.16	1089.09	F	92.43	F	1181.52	F
	95.11.20	1088.48	F	93.04	F	1181.52	F
	95.12.18	1089.96	F	91.56	F	1181.52	F
	96.01.15	1090.10	F	91.42	F	1181.52	F
	96.02.19	1089.90	F	91.62	F	1181.52	F
	96.03.18	1087.98	F	93.54	F	1181.52	F
	96.04.15	1068.54	F	112.98	F	1181.52	F
	96.05.07	1079.01	F	102.51	F	1181.52	F
SIBW-56MC	94.08.15	1079.98	F	107.01	F	1186.99	F
	94.09.15	1075.25	F	111.74	F	1186.99	F
	94.10.17	1068.59	F	118.40	F	1186.99	F
	94.11.15	1075.85	F	111.14	F	1186.99	F
	94.12.15	1079.41	F	107.58	F	1186.99	F
	95.01.19	1084.19	F	102.80	F	1186.99	F
	95.02.15	1086.92	F	100.07	F	1186.99	F
	95.03.15	1089.89	F	97.10	F	1186.99	F
	95.04.17	1093.13	F	93.86	F	1186.99	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-56MC	95.05.15	1093.67	F	93.32	F	1186.99	F
	95.06.16	1092.87	F	94.12	F	1186.99	F
	95.07.17	1089.70	F	97.29	F	1186.99	F
	95.08.15	1088.39	F	98.60	F	1186.99	F
	95.09.15	1087.99	F	99.00	F	1186.99	F
	95.10.16	1090.05	F	96.94	F	1186.99	F
	95.11.27	1089.95	F	97.04	F	1186.99	F
	95.12.18	1090.08	F	96.91	F	1186.99	F
	96.01.15	1090.06	F	96.93	F	1186.99	F
	96.02.19	1089.55	F	97.44	F	1186.99	F
	96.03.18	1087.76	F	99.23	F	1186.99	F
	96.04.15	1069.90	F	117.09	F	1186.99	F
	96.05.07	1078.94	F	108.05	F	1186.99	F
SIBW-57MC	94.07.15	1078.51	F	109.09	F	1187.60	F
	94.09.15	1073.80	F	113.80	F	1187.60	F
	94.10.17	1061.35	F	126.25	F	1187.60	F
	94.11.15	1073.50	F	114.10	F	1187.60	F
	94.12.15	1077.40	F	110.20	F	1187.60	F
	95.01.19	1081.89	F	105.71	F	1187.60	F
	95.02.15	1084.94	F	102.66	F	1187.60	F
	95.03.15	1088.50	F	99.10	F	1187.60	F
	95.04.17	1091.80	F	95.80	F	1187.60	F
	95.05.15	1092.42	F	95.18	F	1187.60	F
	95.06.16	1091.60	F	96.00	F	1187.60	F
	95.07.17	1088.47	F	99.13	F	1187.60	F
	95.08.15	1087.03	F	100.57	F	1187.60	F
	95.09.15	1086.71	F	100.89	F	1187.60	F
	95.10.16	1088.75	F	98.85	F	1187.60	F
	95.11.27	1089.19	F	98.41	F	1187.60	F
	95.12.18	1089.14	F	98.46	F	1187.60	F
	96.01.15	1089.26	F	98.34	F	1187.60	F
	96.02.19	1088.87	F	98.73	F	1187.60	F
	96.03.18	1086.83	F	100.77	F	1187.60	F
	96.04.15	1068.59	F	119.01	F	1187.60	F
	96.05.07	1077.39	F	110.21	F	1187.60	F
SIBW-58MC	94.09.15	1072.38	F	106.89	F	1179.27	F
	94.10.17	1065.50	F	113.77	F	1179.27	F
	94.11.15	1073.99	F	105.28	F	1179.27	F
	94.12.15	1076.59	F	102.68	F	1179.27	F
	95.01.19	1081.36	F	97.91	F	1179.27	F
	95.02.15	1085.39	F	93.88	F	1179.27	F
	95.03.15	1089.24	F	90.03	F	1179.27	F
	95.04.17	1092.18	F	87.09	F	1179.27	F
	95.05.15	1092.56	F	86.71	F	1179.27	F
	95.06.16	1091.69	F	87.58	F	1179.27	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-58MC	95.07.17	1088.40	F	90.87	F	1179.27	F
	95.08.15	1087.15	F	92.12	F	1179.27	F
	95.09.15	1086.59	F	92.68	F	1179.27	F
	95.10.16	1088.83	F	90.44	F	1179.27	F
	95.11.27	1089.42	F	89.85	F	1179.27	F
	95.12.18	1089.16	F	90.11	F	1179.27	F
	96.01.15	1089.07	F	90.20	F	1179.27	F
	96.02.19	1088.62	F	90.65	F	1179.27	F
	96.03.18	1086.39	F	92.88	F	1179.27	F
	96.04.15	1069.97	F	109.30	F	1179.27	F
	96.05.07	1077.88	F	101.39	F	1179.27	F
WMW-3	94.07.15	1125.41	F	50.94	F	1176.35	F
	94.08.16	1124.10	F	52.25	F	1176.35	F
	94.09.15	1124.37	F	51.98	F	1176.35	F
	94.10.17	1123.63	F	52.72	F	1176.35	F
	94.11.15	1122.73	F	53.62	F	1176.35	F
	94.12.15	1123.17	F	53.18	F	1176.35	F
	95.01.19	1136.11	F	40.24	F	1176.35	F
	95.02.15	1149.01	F	27.34	F	1176.35	F
	95.03.15	1146.93	F	29.42	F	1176.35	F
	95.04.17	1143.33	F	33.02	F	1176.35	F
	95.05.15	1138.17	F	38.18	F	1176.35	F
	95.06.16	1135.73	F	40.62	F	1176.35	F
	95.07.17	1134.62	F	41.73	F	1176.35	F
	95.08.15	1133.68	F	42.67	F	1176.35	F
	95.09.15	1133.46	F	42.89	F	1176.35	F
	95.10.16	1131.05	F	45.30	F	1176.35	F
	95.11.27	1129.34	F	47.01	F	1176.35	F
	95.12.18	1127.10	F	49.25	F	1176.35	F
	96.01.15	1124.41	F	51.94	F	1176.35	F
	96.02.19	1124.80	F	51.55	F	1176.35	F
	96.03.18	1126.67	F	49.68	F	1176.35	F
	96.04.15	1124.57	F	51.78	F	1176.35	F
	96.05.07	1123.35	F	53.00	F	1176.35	F
WMW-4	94.07.15	1124.18	F	40.59	F	1164.77	F
	94.08.16	1123.16	F	41.61	F	1164.77	F
	94.09.15	1123.22	F	41.55	F	1164.77	F
	94.10.17	1122.28	F	42.49	F	1164.77	F
	94.11.15	1121.61	F	43.16	F	1164.77	F
	94.12.15	1122.43	F	42.34	F	1164.77	F
	95.01.19	1135.53	F	29.24	F	1164.77	F
	95.02.15	1139.32	F	25.45	F	1164.77	F
	95.03.15	1146.00	F	18.77	F	1164.77	F
	95.04.17	1142.81	F	21.96	F	1164.77	F
	95.05.15	1138.00	F	26.77	F	1164.77	F

REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
WMW-4	95.06.16	1135.35	F	29.42	F	1164.77	F
	95.07.17	1133.97	F	30.80	F	1164.77	F
	95.08.15	1132.54	F	32.23	F	1164.77	F
	95.09.15	1132.86	F	31.91	F	1164.77	F
	95.11.20	1129.38	F	37.15	F	1166.53	F
	95.12.18	1126.70	F	39.83	F	1166.53	F
	96.01.15	1123.89	F	42.64	F	1166.53	F
	96.02.19	1123.75	F	42.78	F	1166.53	F
	96.03.18	1125.01	F	41.52	F	1166.53	F
	96.05.07	1121.91	F	44.62	F	1166.53	F
APS#1	94.07.15	1077.68	F	94.32	F	1172.00	F
	94.09.15	1075.18	F	96.82	F	1172.00	F
	94.10.17	1075.41	F	96.59	F	1172.00	F
	95.03.15	1095.34	F	76.66	F	1172.00	F
	95.04.17	1097.07	F	74.93	F	1172.00	F
	95.05.15	1097.15	F	74.85	F	1172.00	F
	95.06.16	1095.64	F	76.36	F	1172.00	F
	95.07.17	1090.45	F	81.55	F	1172.00	F
	95.08.15	1086.44	F	85.56	F	1172.00	F
	95.09.15	1086.69	F	85.31	F	1172.00	F
	95.10.16	1093.27	F	78.73	F	1172.00	F
	95.11.27	1093.28	F	78.72	F	1172.00	F
	95.12.18	1094.65	F	77.35	F	1172.00	F
	96.03.18	1089.88	F	82.12	F	1172.00	F
	96.04.15	1081.17	F	90.83	F	1172.00	F
	96.05.07	1084.94	F	87.06	F	1172.00	F
BROCK	94.08.16	1118.96	F	61.68	F	1180.64	F
	94.09.15	1117.51	F	63.13	F	1180.64	F
	94.10.17	1116.65	F	63.99	F	1180.64	F
	94.11.15	1116.24	F	64.40	F	1180.64	F
	94.12.15	1116.39	F	64.25	F	1180.64	F
AAA	94.07.15	1124.51	F	57.37	F	1181.88	F
	94.08.16	1123.45	F	58.43	F	1181.88	F
	94.09.15	1122.13	F	59.75	F	1181.88	F
	94.10.17	1121.61	F	60.27	F	1181.88	F
	94.11.15	1120.96	F	60.92	F	1181.88	F
	94.12.15	1120.99	F	60.89	F	1181.88	F
	95.01.19	1128.59	F	53.29	F	1181.88	F
	95.02.15	1131.09	F	50.79	F	1181.88	F
	95.03.15	1138.08	F	43.80	F	1181.88	F
	95.04.17	1137.58	F	44.30	F	1181.88	F
	95.05.15	1136.01	F	45.87	F	1181.88	F
	95.06.16	1134.80	F	47.08	F	1181.88	F
	95.07.17	1133.68	F	48.20	F	1181.88	F

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TECHNICAL DATA MANAGEMENT SYSTEM

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REPORTING VALUES BETWEEN 94.07.01 AND 96.05.31, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
AAA	95.08.15	1132.56	F	49.32	F	1181.88	F
	95.09.15	1132.47	F	49.41	F	1181.88	F
	95.10.16	1131.06	F	50.82	F	1181.88	F
	95.11.20	1129.50	F	52.38	F	1181.88	F
	95.12.18	1128.44	F	53.44	F	1181.88	F
	96.01.15	1124.92	F	56.96	F	1181.88	F
	96.02.19	1124.51	F	57.37	F	1181.88	F
	96.03.18	1124.74	F	57.14	F	1181.88	F
	96.04.15	1123.40	F	58.48	F	1181.88	F
	96.05.07	1125.33	F	56.55	F	1181.88	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

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PAGE 1

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-1U	95.01.19	1118.69	F	55.11	F	1173.80	F
	95.02.15	1121.16	F	52.64	F	1173.80	F
	95.03.15	1126.98	F	46.82	F	1173.80	F
	95.04.17	1129.17	F	44.63	F	1173.80	F
	95.05.15	1127.69	F	46.11	F	1173.80	F
	95.06.16	1126.40	F	47.40	F	1173.80	F
	95.07.17	1125.05	F	48.75	F	1173.80	F
	95.08.15	1124.15	F	49.65	F	1173.80	F
	95.09.15	1124.57	F	49.23	F	1173.80	F
	95.10.16	1123.82	F	49.98	F	1173.80	F
	95.11.27	1122.06	F	51.74	F	1173.80	F
	95.12.18	1121.15	F	52.65	F	1173.80	F
	96.01.15	1119.78	F	54.02	F	1173.80	F
	96.02.19	1119.84	F	53.96	F	1173.80	F
	96.03.18	1121.05	F	52.75	F	1173.80	F
	96.04.15	1116.29	F	57.51	F	1173.80	F
	96.05.07	1115.80	F	58.00	F	1173.80	F
	96.06.20	1115.20	F	58.60	F	1173.80	F
	97.05.15	1108.83	F	64.97	F	1173.80	F
	97.06.16	1108.68	F	65.12	F	1173.80	F
	97.08.13	1108.77	F	65.03	F	1173.80	F
	97.09.15	1109.47	F	64.33	F	1173.80	F
	97.10.15	1109.11	F	64.69	F	1173.80	F
	97.11.14	1109.21	F	64.59	F	1173.80	F
	97.12.15	1109.28	F	64.52	F	1173.80	F
	98.01.15	1110.20	F	63.60	F	1173.80	F
	98.03.16	1117.25	F	56.55	F	1173.80	F
	98.04.15	1120.13	F	53.67	F	1173.80	F
	98.05.18	1122.39	F	51.41	F	1173.80	F
	98.06.15	1122.20	F	51.60	F	1173.80	F
	98.07.15	1121.91	F	51.89	F	1173.80	F
	98.08.14	1121.68	F	52.12	F	1173.80	F
	98.09.15	1122.88	F	50.92	F	1173.80	F
	98.10.15	1122.60	F	51.20	F	1173.80	F
	98.11.16	1121.84	F	51.96	F	1173.80	F
	98.12.15	1121.67	F	52.13	F	1173.80	F
	99.01.15	1122.03	F	51.77	F	1173.80	F
	99.02.15	1121.53	F	52.27	F	1173.80	F
	99.03.15	1120.06	F	53.74	F	1173.80	F
	99.04.15	1119.65	F	54.15	F	1173.80	F
	99.05.14	1118.76	F	55.04	F	1173.80	F
	99.06.15	1117.94	F	55.86	F	1173.80	F
SIBW-2U	95.01.19	1122.67	F	54.62	F	1177.29	F
	95.02.15	1126.60	F	50.69	F	1177.29	F
	95.03.15	1130.99	F	46.30	F	1177.29	F
	95.04.17	1132.10	F	45.19	F	1177.29	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-2U	95.05.15	1131.40	F	45.89	F	1177.29	
	95.06.16	1131.20	F	46.09	F	1177.29	F
	95.07.17	1129.70	F	47.59	F	1177.29	F
	95.08.15	1128.76	F	48.53	F	1177.29	
	95.09.15	1128.40	F	48.89	F	1177.29	F
	95.10.16	1127.35	F	49.94	F	1177.29	F
	95.11.20	1126.12	F	51.17	F	1177.29	
	95.12.18	1125.34	F	51.95	F	1177.29	
	96.01.15	1127.24	F	50.05	F	1177.29	F
	96.02.19	1123.84	F	53.45	F	1177.29	
	96.03.18	1122.26	F	55.03	F	1177.29	
	96.04.15	1120.17	F	57.12	F	1177.29	F
	96.05.07	1124.34	F	52.95	F	1177.29	F
	96.06.20	1118.96	F	58.33	F	1177.29	
	97.05.15	1113.28	F	64.01	F	1177.29	
	97.06.16	1113.67	F	63.62	F	1177.29	F
	97.08.13	1113.99	F	63.30	F	1177.29	
	97.09.15	1114.23	F	63.06	F	1177.29	
	97.10.15	1113.89	F	63.40	F	1177.29	F
	97.11.14	1113.77	F	63.52	F	1177.29	F
	97.12.15	1114.37	F	62.92	F	1177.29	
	98.01.15	1115.14	F	62.15	F	1177.29	F
	98.02.16	1116.98	F	60.31	F	1177.29	F
	98.03.16	1120.08	F	57.21	F	1177.29	
	98.04.15	1123.39	F	53.90	F	1177.29	
	98.06.15	1125.96	F	51.33	F	1177.29	F
	98.07.15	1125.49	F	51.80	F	1177.29	F
	98.08.14	1125.32	F	51.97	F	1177.29	
	98.09.15	1126.64	F	50.65	F	1177.29	F
	98.10.15	1126.97	F	50.32	F	1177.29	F
	98.11.16	1125.69	F	51.60	F	1177.29	
	98.12.15	1125.53	F	51.76	F	1177.29	
	99.01.15	1125.49	F	51.80	F	1177.29	F
	99.02.15	1124.91	F	52.38	F	1177.29	F
	99.03.15	1123.67	F	53.62	F	1177.29	
	99.04.15	1123.11	F	54.18	F	1177.29	F
	99.05.14	1122.26	F	55.03	F	1177.29	F
	99.06.15	1121.68	F	55.61	F	1177.29	
SIBW-3U	95.01.19	1110.90	F	66.13	F	1177.03	F
	95.02.15	1113.76	F	63.27	F	1177.03	F
	95.03.15	1117.42	F	59.61	F	1177.03	
	95.04.17	1119.80	F	57.23	F	1177.03	F
	95.05.15	1120.29	F	56.74	F	1177.03	F
	95.06.16	1119.67	F	57.36	F	1177.03	F
	95.07.17	1118.80	F	58.23	F	1177.03	F
	95.08.15	1118.13	F	58.90	F	1177.03	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-3U	95.09.15	1118.39	F	58.64	F	1177.03	F
	95.10.16	1118.39	F	58.64	F	1177.03	F
	95.11.27	1117.24	F	59.79	F	1177.03	F
	95.12.18	1116.55	F	60.48	F	1177.03	F
	96.01.15	1116.45	F	60.58	F	1177.03	F
	96.02.19	1118.19	F	58.84	F	1177.03	F
	96.03.18	1116.02	F	61.01	F	1177.03	F
	96.04.15	1111.73	F	65.30	F	1177.03	F
	96.05.07	1111.37	F	65.66	F	1177.03	F
	96.06.20	1110.59	F	66.44	F	1177.03	F
	97.05.15	1104.24	F	72.79	F	1177.03	F
	97.06.16	1103.96	F	73.07	F	1177.03	F
	97.08.13	1102.83	F	74.20	F	1177.03	F
	97.09.15	1103.82	F	73.21	F	1177.03	F
	97.10.15	1103.94	F	73.09	F	1177.03	F
	97.11.14	1103.65	F	73.38	F	1177.03	F
	97.12.15	1103.46	F	73.57	F	1177.03	F
	98.01.15	1104.12	F	72.91	F	1177.03	F
	98.02.16	1105.63	F	71.40	F	1177.03	F
	98.03.16	1109.70	F	67.33	F	1177.03	F
	98.04.15	1112.40	F	64.63	F	1177.03	F
	98.05.18	1114.87	F	62.16	F	1177.03	F
	98.06.15	1115.13	F	61.90	F	1177.03	F
	98.07.15	1114.97	F	62.06	F	1177.03	F
	98.08.14	1114.98	F	62.05	F	1177.03	F
	98.09.15	1115.98	F	61.05	F	1177.03	F
	98.10.15	1116.22	F	60.81	F	1177.03	F
	98.11.16	1115.01	F	62.02	F	1177.03	F
	98.12.15	1114.80	F	62.23	F	1177.03	F
	99.01.15	1115.30	F	61.73	F	1177.03	F
	99.01.15	1115.48	F	61.55	F	1177.03	F
	99.02.15	1115.30	F	61.73	F	1177.03	F
	99.03.15	1113.57	F	63.46	F	1177.03	F
	99.04.15	1112.61	F	64.42	F	1177.03	F
	99.05.14	1111.27	F	65.76	F	1177.03	F
	99.06.15	1110.53	F	66.50	F	1177.03	F
SIBW-4U	95.03.15	1132.82	F	36.70	F	1169.52	F
	95.04.17	1132.90	F	36.62	F	1169.52	F
	95.05.15	1130.33	F	39.19	F	1169.52	F
	95.06.16	1127.07	F	42.45	F	1169.52	F
	95.07.17	1124.97	F	44.55	F	1169.52	F
	95.08.15	1123.32	F	46.20	F	1169.52	F
	95.09.15	1124.94	F	44.58	F	1169.52	F
	95.10.16	1124.40	F	45.12	F	1169.52	F
	95.11.27	1122.50	F	47.02	F	1169.52	F
	95.12.18	1122.27	F	47.25	F	1169.52	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-4U	96.02.19	1118.21	F	51.31	F	1169.52	F
	96.03.18	1116.73	F	52.79	F	1169.52	F
	96.04.15	1117.71	F	51.81	F	1169.52	F
	96.05.07	1116.11	F	53.41	F	1169.52	F
	96.06.20	1113.30	F	56.22	F	1169.52	F
	97.05.15	1106.72	F	62.80	F	1169.52	F
	97.06.16	1107.78	F	61.74	F	1169.52	F
	97.08.13	1107.42	F	62.10	F	1169.52	F
	97.10.15	1107.03	F	62.49	F	1169.52	F
	97.11.14	1107.44	F	62.08	F	1169.52	F
	97.12.15	1106.50	F	63.02	F	1169.52	F
	98.02.16	1115.83	F	53.69	F	1169.52	F
	98.03.16	1119.14	F	50.38	F	1169.52	F
	98.04.15	1126.87	F	42.65	F	1169.52	F
	98.05.18	1124.97	F	44.55	F	1169.52	F
	98.06.15	1122.02	F	47.50	F	1169.52	F
	98.07.15	1120.92	F	48.60	F	1169.52	F
	98.08.14	1120.62	F	48.90	F	1169.52	F
	98.09.15	1122.02	F	47.50	F	1169.52	F
	98.10.15	1121.07	F	48.45	F	1169.52	F
	98.11.16	1120.32	F	49.20	F	1169.52	F
	98.12.15	1120.60	F	48.92	F	1169.52	F
	99.01.15	1120.12	F	49.40	F	1169.52	F
	99.01.15	1121.26	F	48.26	F	1169.52	F
	99.02.15	1120.12	F	49.40	F	1169.52	F
	99.03.15	1118.67	F	50.85	F	1169.52	F
	99.04.15	1119.55	F	49.97	F	1169.52	F
	99.05.14	1119.11	F	50.41	F	1169.52	F
	99.06.15	1117.49	F	52.03	F	1169.52	F
SIBW-5U	95.01.19	1112.42	F	65.42	F	1177.84	F
	95.02.15	1115.05	F	62.79	F	1177.84	F
	95.03.15	1119.44	F	58.40	F	1177.84	F
	95.04.17	1121.29	F	56.55	F	1177.84	F
	95.05.15	1121.40	F	56.44	F	1177.84	F
	95.06.16	1120.38	F	57.46	F	1177.84	F
	95.07.17	1118.96	F	58.88	F	1177.84	F
	95.08.15	1117.93	F	59.91	F	1177.84	F
	95.09.15	1118.73	F	59.11	F	1177.84	F
	95.10.16	1118.68	F	59.16	F	1177.84	F
	95.11.27	1117.68	F	60.16	F	1177.84	F
	95.12.18	1116.70	F	61.14	F	1177.84	F
	96.01.15	1115.47	F	62.37	F	1177.84	F
	96.02.19	1114.45	F	63.39	F	1177.84	F
	96.03.18	1113.64	F	64.20	F	1177.84	F
	96.04.15	1110.97	F	66.87	F	1177.84	F
	96.05.07	1110.79	F	67.05	F	1177.84	F

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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-5U	96.06.20	1110.02	F	67.82	F	1177.84	F
	97.05.15	1103.96	F	73.88	F	1177.84	F
	97.06.16	1103.51	F	74.33	F	1177.84	F
	97.08.13	1102.36	F	75.48	F	1177.84	F
	97.09.15	1103.87	F	73.97	F	1177.84	F
	97.10.15	1103.65	F	74.19	F	1177.84	F
	97.11.14	1103.10	F	74.74	F	1177.84	F
	97.12.15	1102.87	F	74.97	F	1177.84	F
	98.01.15	1103.64	F	74.20	F	1177.84	F
	98.02.16	1105.86	F	71.98	F	1177.84	F
	98.03.16	1110.26	F	67.58	F	1177.84	F
	98.04.15	1114.03	F	63.81	F	1177.84	F
	98.05.18	1115.66	F	62.18	F	1177.84	F
	98.06.15	1115.34	F	62.50	F	1177.84	F
	98.07.15	1114.86	F	62.98	F	1177.84	F
	98.08.14	1114.74	F	63.10	F	1177.84	F
	98.09.15	1115.61	F	62.23	F	1177.84	F
	98.10.15	1115.63	F	62.21	F	1177.84	F
	98.11.16	1114.47	F	63.37	F	1177.84	F
	98.12.15	1114.44	F	63.40	F	1177.84	F
	99.01.15	1120.24	F	57.60	F	1177.84	F
	99.01.15	1115.04	F	62.80	F	1177.84	F
	99.02.15	1114.59	F	63.25	F	1177.84	F
	99.03.15	1113.02	F	64.82	F	1177.84	F
	99.04.15	1112.29	F	65.55	F	1177.84	F
	99.05.14	1111.61	F	66.23	F	1177.84	F
	99.06.15	1110.48	F	67.36	F	1177.84	F
SIBW-6U	95.01.19	1115.10	F	62.91	F	1178.01	F
	95.02.15	1117.94	F	60.07	F	1178.01	F
	95.03.15	1122.42	F	55.59	F	1178.01	F
	95.04.17	1124.51	F	53.50	F	1178.01	F
	95.05.15	1125.15	F	52.86	F	1178.01	F
	95.06.16	1124.96	F	53.05	F	1178.01	F
	95.07.17	1124.12	F	53.89	F	1178.01	F
	95.08.15	1123.46	F	54.55	F	1178.01	F
	95.09.15	1123.12	F	54.89	F	1178.01	F
	95.10.16	1122.64	F	55.37	F	1178.01	F
	95.11.27	1121.27	F	56.74	F	1178.01	F
	95.12.18	1120.12	F	57.89	F	1178.01	F
	96.01.15	1121.09	F	56.92	F	1178.01	F
	96.02.19	1118.03	F	59.98	F	1178.01	F
	96.03.18	1118.82	F	59.19	F	1178.01	F
	96.04.15	1116.86	F	61.15	F	1178.01	F
	96.05.07	1115.62	F	62.39	F	1178.01	F
	96.06.20	1114.75	F	63.26	F	1178.01	F
	97.05.15	1108.66	F	69.35	F	1178.01	F

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-6U	97.06.16	1108.64	F	69.37	F	1178.01	F
	97.08.13	1107.87	F	70.14	F	1178.01	F
	97.09.15	1108.81	F	69.20	F	1178.01	F
	97.10.15	1108.81	F	69.20	F	1178.01	F
	97.11.14	1108.62	F	69.39	F	1178.01	F
	97.12.15	1108.67	F	69.34	F	1178.01	F
	98.01.15	1109.50	F	68.51	F	1178.01	F
	98.04.15	1116.40	F	61.61	F	1178.01	F
	98.05.18	1119.18	F	58.83	F	1178.01	F
	98.06.15	1119.91	F	58.10	F	1178.01	F
	98.07.15	1120.15	F	57.86	F	1178.01	F
	98.08.14	1119.94	F	58.07	F	1178.01	F
	98.09.15	1121.03	F	56.98	F	1178.01	F
	98.10.15	1121.54	F	56.47	F	1178.01	F
	98.11.16	1120.31	F	57.70	F	1178.01	F
	98.12.15	1120.08	F	57.93	F	1178.01	F
	99.02.15	1120.08	F	57.93	F	1178.01	F
	99.03.15	1118.33	F	59.68	F	1178.01	F
	99.04.15	1117.49	F	60.52	F	1178.01	F
	99.05.14	1116.33	F	61.68	F	1178.01	F
	99.06.15	1115.62	F	62.39	F	1178.01	F
SIBW-7U	95.01.19	1127.06	F	45.60	F	1172.66	F
	95.02.15	1128.83	F	43.83	F	1172.66	F
	95.03.15	1136.77	F	35.89	F	1172.66	F
	95.04.17	1136.51	F	36.15	F	1172.66	F
	95.05.15	1134.64	F	38.02	F	1172.66	F
	95.06.16	1130.84	F	41.82	F	1172.66	F
	95.07.17	1129.02	F	43.64	F	1172.66	F
	95.08.15	1127.60	F	45.06	F	1172.66	F
	95.09.15	1128.55	F	44.11	F	1172.66	F
	95.10.16	1127.31	F	45.35	F	1172.66	F
	95.11.20	1125.29	F	47.37	F	1172.66	F
	95.12.18	1123.78	F	48.88	F	1172.66	F
	96.01.15	1122.24	F	50.42	F	1172.66	F
	96.02.19	1123.08	F	49.58	F	1172.66	F
	96.03.18	1120.22	F	52.44	F	1172.66	F
	96.04.15	1120.64	F	52.02	F	1172.66	F
	96.05.07	1120.45	F	52.21	F	1172.66	F
	96.06.20	1117.59	F	55.07	F	1172.66	F
	97.05.15	1110.54	F	62.12	F	1172.66	F
	97.06.16	1110.95	F	61.71	F	1172.66	F
	97.08.13	1112.44	F	60.22	F	1172.66	F
	97.09.15	1112.63	F	60.03	F	1172.66	F
	97.10.15	1111.66	F	61.00	F	1172.66	F
	97.11.14	1111.37	F	61.29	F	1172.66	F
	97.12.15	1112.61	F	60.05	F	1172.66	F

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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-7U	98.01.15	1113.91	F	58.75	F	1172.66	F
	98.02.16	1121.63	F	51.03	F	1172.66	F
	98.03.16	1125.69	F	46.97	F	1172.66	F
	98.04.15	1128.91	F	43.75	F	1172.66	F
	98.05.18	1130.29	F	42.37	F	1172.66	F
	98.06.15	1128.44	F	44.22	F	1172.66	F
	98.07.15	1127.84	F	44.82	F	1172.66	F
	98.08.14	1127.27	F	45.39	F	1172.66	F
	98.09.15	1128.92	F	43.74	F	1172.66	F
	98.10.15	1128.62	F	44.04	F	1172.66	F
	99.04.15	1128.02	F	44.64	F	1172.66	F
	99.05.14	1128.05	F	44.61	F	1172.66	F
	99.06.15	1127.14	F	45.52	F	1172.66	F
SIBW-8U	95.02.15	1129.17	F	43.51	F	1172.68	F
	95.04.17	1136.74	F	35.94	F	1172.68	F
	95.05.15	1134.04	F	38.64	F	1172.68	F
	95.06.16	1131.61	F	41.07	F	1172.68	F
	95.07.17	1130.01	F	42.67	F	1172.68	F
	95.08.15	1128.90	F	43.78	F	1172.68	F
	95.09.15	1129.49	F	43.19	F	1172.68	F
	95.10.16	1128.13	F	44.55	F	1172.68	F
	95.12.18	1125.50	F	47.18	F	1172.68	F
	96.01.15	1123.23	F	49.45	F	1172.68	F
	96.02.19	1122.68	F	50.00	F	1172.68	F
	96.03.18	1121.69	F	50.99	F	1172.68	F
	96.04.15	1120.04	F	52.64	F	1172.68	F
	96.05.07	1120.37	F	52.31	F	1172.68	F
	96.06.20	1119.00	F	53.68	F	1172.68	F
	97.05.15	1112.42	F	60.26	F	1172.68	F
	97.06.16	1112.91	F	59.77	F	1172.68	F
	97.08.13	1114.30	F	58.38	F	1172.68	F
	97.09.15	1114.32	F	58.36	F	1172.68	F
	97.10.15	1113.64	F	59.04	F	1172.68	F
	97.11.14	1113.38	F	59.30	F	1172.68	F
	97.12.15	1115.06	F	57.62	F	1172.68	F
	98.01.15	1116.03	F	56.65	F	1172.68	F
	98.02.16	1121.66	F	51.02	F	1172.68	F
	98.03.16	1125.87	F	46.81	F	1172.68	F
	98.04.15	1129.28	F	43.40	F	1172.68	F
	98.05.18	1130.31	F	42.37	F	1172.68	F
	98.06.15	1129.38	F	43.30	F	1172.68	F
	98.08.14	1128.25	F	44.43	F	1172.68	F
	98.09.15	1129.92	F	42.76	F	1172.68	F
	99.04.15	1128.33	F	44.35	F	1172.68	F
	99.05.14	1128.14	F	44.54	F	1172.68	F
	99.06.15	1128.20	F	44.48	F	1172.68	F

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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-9U	95.01.19	1124.62	F	49.85	F	1174.47	F
	95.02.15	1126.87	F	47.60	F	1174.47	F
	95.03.15	1133.82	F	40.65	F	1174.47	F
	95.04.17	1134.04	F	40.43	F	1174.47	F
	95.05.15	1132.53	F	41.94	F	1174.47	F
	95.06.16	1131.06	F	43.41	F	1174.47	F
	95.07.17	1129.75	F	44.72	F	1174.47	F
	95.08.15	1128.77	F	45.70	F	1174.47	F
	95.09.15	1128.88	F	45.59	F	1174.47	F
	95.10.16	1127.71	F	46.76	F	1174.47	F
	95.11.20	1126.46	F	48.01	F	1174.47	F
	95.12.18	1125.70	F	48.77	F	1174.47	F
	96.01.15	1129.45	F	45.02	F	1174.47	F
	96.02.19	1121.93	F	52.54	F	1174.47	F
	96.03.18	1123.18	F	51.29	F	1174.47	F
	96.04.15	1120.15	F	54.32	F	1174.47	F
	96.05.07	1120.26	F	54.21	F	1174.47	F
	96.06.20	1119.11	F	55.36	F	1174.47	F
	97.05.15	1113.02	F	61.45	F	1174.47	F
	97.06.16	1113.52	F	60.95	F	1174.47	F
	97.08.13	1114.47	F	60.00	F	1174.47	F
	97.09.15	1114.38	F	60.09	F	1174.47	F
	97.10.15	1113.89	F	60.58	F	1174.47	F
	97.11.14	1114.22	F	60.25	F	1174.47	F
	97.12.15	1114.75	F	59.72	F	1174.47	F
	98.01.15	1115.76	F	58.71	F	1174.47	F
	98.02.16	1119.04	F	55.43	F	1174.47	F
	98.03.16	1122.76	F	51.71	F	1174.47	F
	98.04.15	1125.97	F	48.50	F	1174.47	F
	98.06.15	1127.44	F	47.03	F	1174.47	F
	98.07.15	1127.07	F	47.40	F	1174.47	F
	98.08.14	1126.67	F	47.80	F	1174.47	F
	98.09.15	1127.87	F	46.60	F	1174.47	F
	98.10.15	1127.95	F	46.52	F	1174.47	F
	98.11.16	1126.83	F	47.64	F	1174.47	F
	98.12.15	1126.75	F	47.72	F	1174.47	F
	99.01.15	1116.87	F	57.60	F	1174.47	F
	99.02.15	1126.17	F	48.30	F	1174.47	F
	99.03.15	1124.97	F	49.50	F	1174.47	F
	99.04.15	1124.76	F	49.71	F	1174.47	F
	99.05.14	1124.09	F	50.38	F	1174.47	F
	99.06.15	1123.34	F	51.13	F	1174.47	F
SIBW-10U	95.01.19	1112.69	F	69.09	F	1181.78	F
	95.02.15	1116.18	F	65.60	F	1181.78	F
	95.03.15	1119.13	F	62.65	F	1181.78	F
	95.04.17	1124.28	F	57.50	F	1181.78	F

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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-10U	95.05.15	1122.10	F	59.68	F	1181.78	F
	95.06.16	1121.94	F	59.84	F	1181.78	F
	95.07.17	1121.07	F	60.71	F	1181.78	F
	95.08.15	1120.45	F	61.33	F	1181.78	F
	95.11.27	1119.11	F	62.67	F	1181.78	F
	95.12.18	1118.96	F	62.82	F	1181.78	F
	96.01.15	1120.85	F	60.93	F	1181.78	F
	96.02.19	1125.11	F	56.67	F	1181.78	F
	96.03.18	1117.96	F	63.82	F	1181.78	F
	96.04.15	1115.39	F	66.39	F	1181.78	F
	96.05.07	1114.26	F	67.52	F	1181.78	F
	96.06.20	1115.10	F	66.68	F	1181.78	F
	97.05.15	1106.34	F	75.44	F	1181.78	F
	97.06.16	1105.94	F	75.84	F	1181.78	F
	97.09.15	1106.17	F	75.61	F	1181.78	F
	97.10.15	1106.10	F	75.68	F	1181.78	F
	97.11.14	1105.87	F	75.91	F	1181.78	F
	97.12.15	1105.76	F	76.02	F	1181.78	F
	98.01.15	1106.42	F	75.36	F	1181.78	F
	98.02.16	1107.79	F	73.99	F	1181.78	F
	98.03.16	1111.25	F	70.53	F	1181.78	F
	98.04.15	1113.53	F	68.25	F	1181.78	F
	98.05.18	1116.57	F	65.21	F	1181.78	F
	98.06.15	1117.06	F	64.72	F	1181.78	F
	98.07.15	1117.22	F	64.56	F	1181.78	F
	98.08.14	1117.39	F	64.39	F	1181.78	F
	98.09.15	1118.36	F	63.42	F	1181.78	F
	98.11.15	1118.73	F	63.05	F	1181.78	F
	98.11.16	1117.63	F	64.15	F	1181.78	F
	98.12.15	1117.23	F	64.55	F	1181.78	F
	99.01.15	1117.70	F	64.08	F	1181.78	F
	99.02.15	1117.49	F	64.29	F	1181.78	F
	99.03.15	1116.01	F	65.77	F	1181.78	F
	99.04.15	1114.89	F	66.89	F	1181.78	F
	99.05.14	1114.56	F	67.22	F	1181.78	F
	99.06.15	1113.00	F	68.78	F	1181.78	F
SIBW-11MC	95.01.19	1077.72	F	100.39	F	1178.11	F
	95.02.15	1082.73	F	95.38	F	1178.11	F
	95.03.15	1086.89	F	91.22	F	1178.11	F
	95.04.17	1089.61	F	88.50	F	1178.11	F
	95.05.15	1089.82	F	88.29	F	1178.11	F
	95.06.16	1089.99	F	88.12	F	1178.11	F
	95.07.17	1085.39	F	92.72	F	1178.11	F
	95.08.15	1129.07	F	49.04	F	1178.11	F
	95.09.15	1083.22	F	94.89	F	1178.11	F
	95.10.16	1086.21	F	91.90	F	1178.11	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-11MC	95.11.20	1086.05	F	92.06	F	1178.11	F
	95.12.18	1086.34	F	91.77	F	1178.11	F
	96.01.15	1086.25	F	91.86	F	1178.11	F
	96.02.19	1085.90	F	92.21	F	1178.11	F
	96.03.18	1083.47	F	94.64	F	1178.11	F
	96.04.15	1068.04	F	110.07	F	1178.11	F
	96.05.07	1075.00	F	103.11	F	1178.11	F
	96.06.20	1072.72	F	105.39	F	1178.11	F
	97.05.15	1065.92	F	112.19	F	1178.11	F
	97.06.16	1062.71	F	115.40	F	1178.11	F
	97.08.13	1058.41	F	119.70	F	1178.11	F
	97.09.15	1065.40	F	112.71	F	1178.11	F
	97.10.15	1068.70	F	109.41	F	1178.11	F
	97.11.14	1064.54	F	113.57	F	1178.11	F
	97.12.15	1070.16	F	107.95	F	1178.11	F
	98.01.15	1072.81	F	105.30	F	1178.11	F
	98.02.16	1076.81	F	101.30	F	1178.11	F
	98.03.16	1081.03	F	97.08	F	1178.11	F
	98.04.15	1086.11	F	92.00	F	1178.11	F
	98.05.18	1084.62	F	93.49	F	1178.11	F
	98.06.15	1084.17	F	93.94	F	1178.11	F
	98.07.15	1078.99	F	99.12	F	1178.11	F
	98.08.14	1079.18	F	98.93	F	1178.11	F
	98.09.15	1077.03	F	101.08	F	1178.11	F
	98.10.15	1077.51	F	100.60	F	1178.11	F
	98.11.16	1066.86	F	111.25	F	1178.11	F
	98.12.15	1077.76	F	100.35	F	1178.11	F
	99.01.15	1082.13	F	95.98	F	1178.11	F
	99.02.15	1081.33	F	96.78	F	1178.11	F
	99.03.15	1068.91	F	109.20	F	1178.11	F
	99.04.15	1061.51	F	116.60	F	1178.11	F
	99.05.14	1053.45	F	124.66	F	1178.11	F
	99.06.15	1051.49	F	126.62	F	1178.11	F
SIBW-12L	95.01.19	1089.38	F	87.38	F	1176.76	F
	95.02.15	1093.13	F	83.63	F	1176.76	F
	95.03.15	1096.91	F	79.85	F	1176.76	F
	95.04.17	1099.61	F	77.15	F	1176.76	F
	95.05.15	1099.99	F	76.77	F	1176.76	F
	95.06.16	1099.07	F	77.69	F	1176.76	F
	95.07.17	1095.89	F	80.87	F	1176.76	F
	95.08.15	1094.60	F	82.16	F	1176.76	F
	95.09.15	1094.15	F	82.61	F	1176.76	F
	95.10.16	1096.60	F	80.16	F	1176.76	F
	95.11.27	1096.16	F	80.60	F	1176.76	F
	95.12.18	1096.00	F	80.76	F	1176.76	F
	96.01.15	1095.88	F	80.88	F	1176.76	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-12L	96.02.19	1095.10	F	81.66	F	1176.76	F
	96.03.18	1093.14	F	83.62	F	1176.76	F
	96.04.15	1079.66	F	97.10	F	1176.76	F
	96.05.07	1086.55	F	90.21	F	1176.76	F
	96.06.20	1084.65	F	92.11	F	1176.76	F
	97.05.15	1075.76	F	101.00	F	1176.76	F
	97.06.16	1073.68	F	103.08	F	1176.76	F
	97.08.13	1069.96	F	106.80	F	1176.76	F
	97.09.15	1076.81	F	99.95	F	1176.76	F
	97.10.15	1079.58	F	97.18	F	1176.76	F
	97.11.14	1075.21	F	101.55	F	1176.76	F
	97.12.15	1079.77	F	96.99	F	1176.76	F
	98.01.15	1082.31	F	94.45	F	1176.76	F
	98.02.16	1086.21	F	90.55	F	1176.76	F
	98.03.16	1090.24	F	86.52	F	1176.76	F
	98.04.15	1094.56	F	82.20	F	1176.76	F
	98.05.18	1094.61	F	82.15	F	1176.76	F
	98.06.15	1094.04	F	82.72	F	1176.76	F
	98.07.15	1089.56	F	87.20	F	1176.76	F
	98.08.14	1090.65	F	86.11	F	1176.76	F
	98.09.15	1091.10	F	85.66	F	1176.76	F
	98.10.15	1090.51	F	86.25	F	1176.76	F
	98.11.16	1080.31	F	96.45	F	1176.76	F
	98.12.15	1088.70	F	88.06	F	1176.76	F
	99.01.15	1091.46	F	85.30	F	1176.76	F
	99.02.15	1090.61	F	86.15	F	1176.76	F
	99.03.15	1079.34	F	97.42	F	1176.76	F
	99.04.15	1073.51	F	103.25	F	1176.76	F
	99.05.14	1067.08	F	109.68	F	1176.76	F
	99.06.15	1066.06	F	110.70	F	1176.76	F
SIBW-13MC	95.01.19	1084.70	F	98.41	F	1183.11	F
	95.02.15	1087.96	F	95.15	F	1183.11	F
	95.03.15	1091.50	F	91.61	F	1183.11	F
	95.04.17	1094.53	F	88.58	F	1183.11	F
	95.05.15	1095.12	F	87.99	F	1183.11	F
	95.06.16	1094.00	F	89.11	F	1183.11	F
	95.07.17	1091.15	F	91.96	F	1183.11	F
	95.08.15	1089.61	F	93.50	F	1183.11	F
	95.09.15	1089.10	F	94.01	F	1183.11	F
	95.10.16	1091.11	F	92.00	F	1183.11	F
	95.11.27	1091.40	F	91.71	F	1183.11	F
	95.12.18	1091.28	F	91.83	F	1183.11	F
	96.01.15	1091.48	F	91.63	F	1183.11	F
	96.02.19	1090.72	F	92.39	F	1183.11	F
	96.03.18	1088.76	F	94.35	F	1183.11	F
	96.04.15	1072.35	F	110.76	F	1183.11	F

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-13MC	96.05.07	1080.42	F	102.69	F	1183.11	F
	96.06.20	1079.27	F	103.84	F	1183.11	F
	97.05.15	1069.66	F	113.45	F	1183.11	F
	97.06.16	1067.26	F	115.85	F	1183.11	F
	97.08.13	1063.81	F	119.30	F	1183.11	F
	97.09.15	1071.79	F	111.32	F	1183.11	F
	97.10.15	1074.64	F	108.47	F	1183.11	F
	97.11.14	1069.07	F	114.04	F	1183.11	F
	97.12.15	1074.93	F	108.18	F	1183.11	F
	98.01.15	1078.27	F	104.84	F	1183.11	F
	98.02.16	1082.27	F	100.84	F	1183.11	F
	98.03.16	1086.63	F	96.48	F	1183.11	F
	98.04.15	1090.89	F	92.22	F	1183.11	F
	98.05.18	1090.93	F	92.18	F	1183.11	F
	98.06.15	1090.70	F	92.41	F	1183.11	F
	98.07.15	1085.33	F	97.78	F	1183.11	F
	98.08.14	1086.85	F	96.26	F	1183.11	F
	98.09.15	1087.14	F	95.97	F	1183.11	F
	98.10.15	1131.91	F	51.20	F	1183.11	F
	98.11.16	68.61	F	1114.50	F	1183.11	F
	98.12.15	1084.08	F	99.03	F	1183.11	F
	99.01.15	1087.79	F	95.32	F	1183.11	F
	99.02.15	1085.88	F	97.23	F	1183.11	F
	99.03.15	1072.37	F	110.74	F	1183.11	F
	99.04.15	1063.01	F	120.10	F	1183.11	F
	99.05.14	1055.61	F	127.50	F	1183.11	F
	99.06.15	1054.81	F	128.30	F	1183.11	F
SIBW-14MC	95.02.15	1086.10	F	86.71	F	1172.81	F
	95.03.15	1090.85	F	81.96	F	1172.81	F
	95.04.17	1093.31	F	79.50	F	1172.81	F
	95.05.15	1092.88	F	79.93	F	1172.81	F
	95.06.16	1091.96	F	80.85	F	1172.81	F
	95.07.17	1088.17	F	84.64	F	1172.81	F
	95.08.15	1086.65	F	86.16	F	1172.81	F
	95.09.15	1083.58	F	89.23	F	1172.81	F
	95.10.16	1089.48	F	83.33	F	1172.81	F
	95.11.20	1088.73	F	84.08	F	1172.81	F
	95.12.18	1089.28	F	83.53	F	1172.81	F
	96.01.15	1088.69	F	84.12	F	1172.81	F
	96.02.19	1088.13	F	84.68	F	1172.81	F
	96.03.18	1085.50	F	87.31	F	1172.81	F
	96.04.15	1072.23	F	100.58	F	1172.81	F
	96.05.07	1078.50	F	94.31	F	1172.81	F
	96.06.20	1075.11	F	97.70	F	1172.81	F
	97.05.15	1069.08	F	103.73	F	1172.81	F
	97.06.16	1065.50	F	107.31	F	1172.81	F

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-14MC	97.08.13	1061.61	F	111.20	F	1172.81	F
	97.09.15	1067.84	F	104.97	F	1172.81	F
	97.10.15	1071.10	F	101.71	F	1172.81	F
	97.11.14	1068.12	F	104.69	F	1172.81	F
	97.12.15	1072.41	F	100.40	F	1172.81	F
	98.01.15	1074.58	F	98.23	F	1172.81	F
	98.02.16	1078.99	F	93.82	F	1172.81	F
	98.03.16	1083.10	F	89.71	F	1172.81	F
	98.04.15	1088.81	F	84.00	F	1172.81	F
	98.05.18	1086.33	F	86.48	F	1172.81	F
	98.06.15	1085.71	F	87.10	F	1172.81	F
	99.04.15	1066.69	F	106.12	F	1172.81	F
	99.05.14	1066.60	F	106.21	F	1172.81	F
	99.06.15	1068.15	F	104.66	F	1172.81	F
SIBW-15MB	95.01.19	1095.30	F	77.32	F	1172.62	F
	95.02.15	1099.49	F	73.13	F	1172.62	F
	95.03.15	1103.27	F	69.35	F	1172.62	F
	95.04.17	1106.16	F	66.46	F	1172.62	F
	95.05.15	1106.96	F	65.66	F	1172.62	F
	95.06.16	1105.91	F	66.71	F	1172.62	F
	95.07.17	1103.23	F	69.39	F	1172.62	F
	95.08.15	1102.28	F	70.34	F	1172.62	F
	95.09.15	1101.85	F	70.77	F	1172.62	F
	95.10.16	1103.62	F	69.00	F	1172.62	F
	95.11.27	1103.13	F	69.49	F	1172.62	F
	95.12.18	1102.84	F	69.78	F	1172.62	F
	96.01.15	1102.31	F	70.31	F	1172.62	F
	96.02.19	1101.93	F	70.69	F	1172.62	F
	96.03.18	1100.00	F	72.62	F	1172.62	F
	96.04.15	1086.76	F	85.86	F	1172.62	F
	96.05.07	1094.64	F	77.98	F	1172.62	F
	96.06.20	1093.11	F	79.51	F	1172.62	F
	97.05.15	1085.05	F	87.57	F	1172.62	F
	97.06.16	1083.08	F	89.54	F	1172.62	F
	97.08.13	1080.72	F	91.90	F	1172.62	F
	97.09.15	1086.34	F	86.28	F	1172.62	F
	97.10.15	1088.80	F	83.82	F	1172.62	F
	97.11.14	1085.07	F	87.55	F	1172.62	F
	97.12.15	1088.88	F	83.74	F	1172.62	F
	98.01.15	1091.36	F	81.26	F	1172.62	F
	98.02.16	1094.79	F	77.83	F	1172.62	F
	98.03.16	1098.48	F	74.14	F	1172.62	F
	98.04.15	1101.94	F	70.68	F	1172.62	F
	98.05.18	1103.51	F	69.11	F	1172.62	F
	98.06.15	1103.57	F	69.05	F	1172.62	F
	98.07.15	1097.82	F	74.80	F	1172.62	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-15MB	98.08.14	1100.24	F	72.38	F	1172.62	
	98.09.15	1102.09	F	70.53	F	1172.62	F
	98.10.15	1100.73	F	71.89	F	1172.62	
	98.11.16	1093.54	F	79.08	F	1172.62	
	98.12.15	1099.53	F	73.09	F	1172.62	F
	99.01.15	1101.52	F	71.10	F	1172.62	F
	99.02.15	1100.13	F	72.49	F	1172.62	
	99.03.15	1089.87	F	82.75	F	1172.62	
	99.04.15	1086.29	F	86.33	F	1172.62	F
	99.05.14	1080.36	F	92.26	F	1172.62	
	99.06.15	1079.87	F	92.75	F	1172.62	
SIBW-16MB	95.01.19	1092.15	F	84.68	F	1176.83	F
	95.02.15	1096.09	F	80.74	F	1176.83	
	95.03.15	1100.05	F	76.78	F	1176.83	
	95.04.17	1102.58	F	74.25	F	1176.83	F
	95.05.15	1103.05	F	73.78	F	1176.83	
	95.06.16	1101.92	F	74.91	F	1176.83	
	95.07.17	1099.04	F	77.79	F	1176.83	F
	95.08.15	1097.57	F	79.26	F	1176.83	F
	95.09.15	1097.46	F	79.37	F	1176.83	
	95.10.16	1099.44	F	77.39	F	1176.83	F
	95.11.27	1099.17	F	77.66	F	1176.83	F
	95.12.18	1098.98	F	77.85	F	1176.83	
	96.01.15	1098.39	F	78.44	F	1176.83	
	96.02.19	1097.70	F	79.13	F	1176.83	F
	96.03.18	1095.91	F	80.92	F	1176.83	F
	96.04.15	1083.04	F	93.79	F	1176.83	
	96.05.07	1089.93	F	86.90	F	1176.83	F
	96.06.20	1087.94	F	88.89	F	1176.83	F
	97.05.15	1078.62	F	98.21	F	1176.83	
	97.06.16	1077.35	F	99.48	F	1176.83	
	97.08.13	1074.13	F	102.70	F	1176.83	F
	97.09.15	1080.97	F	95.86	F	1176.83	
	97.10.15	1083.02	F	93.81	F	1176.83	
	97.11.14	1078.79	F	98.04	F	1176.83	F
	97.12.15	1081.86	F	94.97	F	1176.83	F
	98.01.15	1085.27	F	91.56	F	1176.83	F
	98.02.16	1088.83	F	88.00	F	1176.83	F
	98.03.16	1093.05	F	83.78	F	1176.83	F
	98.04.15	1097.13	F	79.70	F	1176.83	F
	98.05.18	1097.44	F	79.39	F	1176.83	F
	98.06.15	1097.29	F	79.54	F	1176.83	F
	98.07.15	1092.31	F	84.52	F	1176.83	F
	98.08.14	1094.09	F	82.74	F	1176.83	F
	98.09.15	1094.82	F	82.01	F	1176.83	F
	98.10.15	1093.73	F	83.10	F	1176.83	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-16MB	98.11.16	1084.27	F	92.56	F	1176.83	F
	98.12.15	1092.23	F	84.60	F	1176.83	F
	99.01.15	1094.58	F	82.25	F	1176.83	F
	99.02.15	1093.78	F	83.05	F	1176.83	F
	99.03.15	1083.66	F	93.17	F	1176.83	F
	99.04.15	1078.21	F	98.62	F	1176.83	F
	99.05.14	1072.61	F	104.22	F	1176.83	F
	99.06.15	1071.72	F	105.11	F	1176.83	F
SIBW-17MB	95.01.19	1096.97	F	83.79	F	1180.76	F
	95.02.15	1100.47	F	80.29	F	1180.76	F
	95.03.15	1104.16	F	76.60	F	1180.76	F
	95.04.17	1107.02	F	73.74	F	1180.76	F
	95.05.15	1108.04	F	72.72	F	1180.76	F
	95.06.16	1106.96	F	73.80	F	1180.76	F
	95.07.17	1104.60	F	76.16	F	1180.76	F
	95.08.15	1103.79	F	76.97	F	1180.76	F
	95.09.15	1103.58	F	77.18	F	1180.76	F
	95.10.16	1104.34	F	76.42	F	1180.76	F
	95.11.27	1103.99	F	76.77	F	1180.76	F
	95.12.18	1103.77	F	76.99	F	1180.76	F
	96.01.15	1103.36	F	77.40	F	1180.76	F
	96.02.19	1102.88	F	77.88	F	1180.76	F
	96.03.18	1101.34	F	79.42	F	1180.76	F
	96.04.15	1088.08	F	92.68	F	1180.76	F
	96.05.07	1095.95	F	84.81	F	1180.76	F
	96.06.20	1094.86	F	85.90	F	1180.76	F
	97.05.15	1085.90	F	94.86	F	1180.76	F
	97.06.16	1084.45	F	96.31	F	1180.76	F
	97.08.13	1082.15	F	98.61	F	1180.76	F
	97.09.15	1087.98	F	92.78	F	1180.76	F
	97.10.15	1090.13	F	90.63	F	1180.76	F
	97.11.14	1086.14	F	94.62	F	1180.76	F
	97.12.15	1090.02	F	90.74	F	1180.76	F
	98.01.15	1092.52	F	88.24	F	1180.76	F
	98.02.16	1095.73	F	85.03	F	1180.76	F
	98.03.16	1099.28	F	81.48	F	1180.76	F
	98.04.15	1097.58	F	83.18	F	1180.76	F
	98.05.18	1104.58	F	76.18	F	1180.76	F
	98.06.15	1104.76	F	76.00	F	1180.76	F
	98.07.15	1097.66	F	83.10	F	1180.76	F
	98.08.14	1101.86	F	78.90	F	1180.76	F
	98.09.15	1103.71	F	77.05	F	1180.76	F
	98.10.15	1103.01	F	77.75	F	1180.76	F
	98.11.16	1096.61	F	84.15	F	1180.76	F
	98.12.15	1100.88	F	79.88	F	1180.76	F
	99.01.15	1102.78	F	77.98	F	1180.76	F

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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-17MB	99.02.15	1101.01	F	79.75	F	1180.76	F
	99.03.15	1090.86	F	89.90	F	1180.76	F
	99.04.15	1086.94	F	93.82	F	1180.76	F
	99.05.14	1084.24	F	96.52	F	1180.76	F
	99.06.15	1080.82	F	99.94	F	1180.76	F
SIBW-18MB	95.02.15	1099.78	F	72.79	F	1172.57	F
	95.03.15	1103.59	F	68.98	F	1172.57	F
	95.04.17	1106.47	F	66.10	F	1172.57	F
	95.05.15	1107.11	F	65.46	F	1172.57	F
	95.06.16	1105.79	F	66.78	F	1172.57	F
	95.07.17	1102.87	F	69.70	F	1172.57	F
	95.09.15	1102.42	F	70.15	F	1172.57	F
	95.10.16	1103.47	F	69.10	F	1172.57	F
	95.11.20	1102.43	F	70.14	F	1172.57	F
	95.12.18	1102.77	F	69.80	F	1172.57	F
	96.01.15	1102.12	F	70.45	F	1172.57	F
	96.02.19	1101.83	F	70.74	F	1172.57	F
	96.03.18	1099.48	F	73.09	F	1172.57	F
	96.04.15	1086.76	F	85.81	F	1172.57	F
	96.05.07	1095.46	F	77.11	F	1172.57	F
	96.06.20	1092.55	F	80.02	F	1172.57	F
	97.05.15	1085.01	F	87.56	F	1172.57	F
	97.06.16	1082.96	F	89.61	F	1172.57	F
	97.09.15	1085.75	F	86.82	F	1172.57	F
	97.10.15	1088.35	F	84.22	F	1172.57	F
	97.11.14	1085.09	F	87.48	F	1172.57	F
	97.12.15	1088.72	F	83.85	F	1172.57	F
	98.01.15	1090.86	F	81.71	F	1172.57	F
	98.02.16	1094.63	F	77.94	F	1172.57	F
	98.03.16	1098.45	F	74.12	F	1172.57	F
	98.04.15	1102.67	F	69.90	F	1172.57	F
	98.05.18	1103.12	F	69.45	F	1172.57	F
	98.06.15	1103.06	F	69.51	F	1172.57	F
	98.08.14	1099.47	F	73.10	F	1172.57	F
	98.09.15	1101.27	F	71.30	F	1172.57	F
	99.04.15	1088.14	F	84.43	F	1172.57	F
	99.05.14	1082.89	F	89.68	F	1172.57	F
	99.06.15	1082.16	F	90.41	F	1172.57	F
SIBW-19U	95.01.16	1119.33	F	53.62	F	1172.95	F
	95.02.15	1122.45	F	50.50	F	1172.95	F
	95.03.17	1129.01	F	43.94	F	1172.95	F
	95.04.14	1129.91	F	43.04	F	1172.95	F
	95.05.15	1128.82	F	44.13	F	1172.95	F
	95.06.16	1127.02	F	45.93	F	1172.95	F
	95.07.14	1125.63	F	47.32	F	1172.95	F

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TECHNICAL DATA MANAGEMENT SYSTEM

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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-19U	95.08.15	1124.70	F	48.25	F	1172.95	F
	95.09.15	1124.96	F	47.99	F	1172.95	F
	95.10.16	1124.35	F	48.60	F	1172.95	F
	95.11.15	1123.59	F	49.36	F	1172.95	F
	95.12.15	1121.52	F	51.43	F	1172.95	F
	96.01.22	1119.01	F	53.94	F	1172.95	F
	96.02.15	1118.92	F	54.03	F	1172.95	F
	96.03.18	1118.35	F	54.60	F	1172.95	F
	96.05.07	1115.77	F	57.18	F	1172.95	F
	96.06.14	1115.23	F	57.72	F	1172.95	F
	96.07.25	1116.16	F	56.79	F	1172.95	F
	96.08.16	1116.80	F	56.15	F	1172.95	F
	96.09.17	1117.57	F	55.38	F	1172.95	F
	96.10.15	1115.74	F	57.21	F	1172.95	F
	96.11.15	1113.52	F	59.43	F	1172.95	F
	96.12.16	1111.68	F	61.27	F	1172.95	F
	97.01.16	1110.48	F	62.47	F	1172.95	F
	97.02.14	1110.47	F	62.48	F	1172.95	F
	97.03.14	1110.78	F	62.17	F	1172.95	F
	97.04.16	1109.38	F	63.57	F	1172.95	F
	97.05.16	1108.95	F	64.00	F	1172.95	F
	97.06.16	1108.99	F	63.96	F	1172.95	F
	97.07.03	1108.99	F	63.96	F	1172.95	F
	97.08.14	1109.26	F	63.69	F	1172.95	F
	97.09.15	1109.95	F	63.00	F	1172.95	F
	97.10.28	1109.54	F	63.41	F	1172.95	F
	97.11.14	1109.16	F	63.79	F	1172.95	F
	97.12.15	1109.76	F	63.19	F	1172.95	F
	98.01.15	1110.58	F	62.37	F	1172.95	F
	98.02.16	1114.50	F	58.45	F	1172.95	F
	98.04.15	1121.77	F	51.18	F	1172.95	F
	98.05.15	1123.54	F	49.41	F	1172.95	F
SIBW-20U	95.01.16	1116.04	F	56.32	F	1172.36	F
	95.02.15	1119.55	F	52.81	F	1172.36	F
	95.03.17	1125.21	F	47.15	F	1172.36	F
	95.04.14	1126.61	F	45.75	F	1172.36	F
	95.05.15	1126.24	F	46.12	F	1172.36	F
	95.06.16	1124.85	F	47.51	F	1172.36	F
	95.07.14	1123.55	F	48.81	F	1172.36	F
	95.08.15	1122.78	F	49.58	F	1172.36	F
	95.09.15	1122.98	F	49.38	F	1172.36	F
	95.10.16	1122.58	F	49.78	F	1172.36	F
	95.11.15	1121.78	F	50.58	F	1172.36	F
	95.12.15	1120.06	F	52.30	F	1172.36	F
	96.01.22	1117.89	F	54.47	F	1172.36	F
	96.02.15	1117.54	F	54.82	F	1172.36	F

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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-20U	96.03.18	1116.94	F	55.42	F	1172.36	F
	96.05.07	1114.31	F	58.05	F	1172.36	F
	96.06.14	1113.72	F	58.64	F	1172.36	F
	96.07.25	1114.56	F	57.80	F	1172.36	F
	96.08.16	1114.96	F	57.40	F	1172.36	F
	96.09.17	1115.36	F	57.00	F	1172.36	F
	96.10.15	1114.04	F	58.32	F	1172.36	F
	96.11.15	1112.14	F	60.22	F	1172.36	F
	96.12.16	1110.41	F	61.95	F	1172.36	F
	97.01.16	1109.24	F	63.12	F	1172.36	F
	97.02.14	1109.30	F	63.06	F	1172.36	F
	97.03.14	1109.40	F	62.96	F	1172.36	F
	97.04.16	1108.01	F	64.35	F	1172.36	F
	97.05.16	1107.48	F	64.88	F	1172.36	F
	97.06.16	1107.29	F	65.07	F	1172.36	F
	97.07.03	1107.14	F	65.22	F	1172.36	F
	97.08.14	1107.03	F	65.33	F	1172.36	F
	97.09.15	1107.97	F	64.39	F	1172.36	F
	97.10.28	1107.76	F	64.60	F	1172.36	F
	97.11.14	1107.35	F	65.01	F	1172.36	F
	97.12.15	1107.62	F	64.74	F	1172.36	F
	98.01.15	1108.38	F	63.98	F	1172.36	F
	98.02.16	1111.39	F	60.97	F	1172.36	F
	98.04.15	1118.39	F	53.97	F	1172.36	F
	98.05.15	1120.52	F	51.84	F	1172.36	F
SIBW-21U	95.01.16	1116.50	F	55.98	F	1172.48	F
	95.02.15	1119.97	F	52.51	F	1172.48	F
	95.03.17	1125.71	F	46.77	F	1172.48	F
	95.04.14	1127.15	F	45.33	F	1172.48	F
	95.05.15	1126.61	F	45.87	F	1172.48	F
	95.06.16	1125.13	F	47.35	F	1172.48	F
	95.07.14	1123.80	F	48.68	F	1172.48	F
	95.08.15	1122.99	F	49.49	F	1172.48	F
	95.09.15	1123.24	F	49.24	F	1172.48	F
	95.10.16	1123.91	F	48.57	F	1172.48	F
	95.11.15	1122.04	F	50.44	F	1172.48	F
	95.12.15	1120.31	F	52.17	F	1172.48	F
	96.01.22	1118.15	F	54.33	F	1172.48	F
	96.02.15	1117.75	F	54.73	F	1172.48	F
	96.03.18	1117.12	F	55.36	F	1172.48	F
	96.05.07	1114.49	F	57.99	F	1172.48	F
	96.06.14	1113.88	F	58.60	F	1172.48	F
	96.07.25	1114.78	F	57.70	F	1172.48	F
	96.08.16	1115.11	F	57.37	F	1172.48	F
	96.09.17	1115.58	F	56.90	F	1172.48	F
	96.10.15	1114.26	F	58.22	F	1172.48	F

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WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-21U	96.11.15	1112.29	F	60.19	F	1172.48	F
	96.12.16	1110.51	F	61.97	F	1172.48	F
	97.01.16	1109.43	F	63.05	F	1172.48	F
	97.02.14	1109.41	F	63.07	F	1172.48	F
	97.03.14	1109.52	F	62.96	F	1172.48	F
	97.04.16	1108.18	F	64.30	F	1172.48	F
	97.05.16	1107.60	F	64.88	F	1172.48	F
	97.06.16	1107.43	F	65.05	F	1172.48	F
	97.07.03	1107.33	F	65.15	F	1172.48	F
	97.08.14	1107.21	F	65.27	F	1172.48	F
	97.09.15	1109.13	F	63.35	F	1172.48	F
	97.10.28	1107.90	F	64.58	F	1172.48	F
	97.11.14	1107.51	F	64.97	F	1172.48	F
	97.12.15	1107.77	F	64.71	F	1172.48	F
	98.01.15	1108.59	F	63.89	F	1172.48	F
	98.02.16	1111.71	F	60.77	F	1172.48	F
	98.04.15	1118.88	F	53.60	F	1172.48	F
	98.05.15	1120.95	F	51.53	F	1172.48	F
SIBW-22U	95.01.16	1116.97	F	54.62	F	1171.59	F
	95.02.15	1120.38	F	51.21	F	1171.59	F
	95.03.17	1126.32	F	45.27	F	1171.59	F
	95.04.14	1127.63	F	43.96	F	1171.59	F
	95.05.15	1126.94	F	44.65	F	1171.59	F
	95.06.16	1125.29	F	46.30	F	1171.59	F
	95.07.14	1123.93	F	47.66	F	1171.59	F
	95.08.15	1123.05	F	48.54	F	1171.59	F
	95.09.15	1123.36	F	48.23	F	1171.59	F
	95.10.16	1122.97	F	48.62	F	1171.59	F
	95.11.15	1122.14	F	49.45	F	1171.59	F
	95.12.15	1120.34	F	51.25	F	1171.59	F
	96.01.22	1118.19	F	53.40	F	1171.59	F
	96.02.15	1117.76	F	53.83	F	1171.59	F
	96.03.18	1117.10	F	54.49	F	1171.59	F
	96.05.07	1114.44	F	57.15	F	1171.59	F
	96.06.14	1113.86	F	57.73	F	1171.59	F
	96.07.25	1114.77	F	56.82	F	1171.59	F
	96.08.16	1115.13	F	56.46	F	1171.59	F
	96.09.17	1115.67	F	55.92	F	1171.59	F
	96.10.15	1114.21	F	57.38	F	1171.59	F
	96.11.15	1112.22	F	59.37	F	1171.59	F
	96.12.16	1110.43	F	61.16	F	1171.59	F
	97.01.16	1109.33	F	62.26	F	1171.59	F
	97.02.14	1109.32	F	62.27	F	1171.59	F
	97.03.14	1109.45	F	62.14	F	1171.59	F
	97.04.16	1108.11	F	63.48	F	1171.59	F
	97.05.16	1107.56	F	64.03	F	1171.59	F

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WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-22U	97.06.16	1107.41	F	64.18	F	1171.59	F
	97.07.03	1107.32	F	64.27	F	1171.59	F
	97.08.14	1107.26	F	64.33	F	1171.59	F
	97.09.15	1108.18	F	63.41	F	1171.59	F
	97.10.28	1107.96	F	63.63	F	1171.59	F
	97.11.14	1107.42	F	64.17	F	1171.59	F
	97.12.15	1107.80	F	63.79	F	1171.59	F
	98.01.15	1108.67	F	62.92	F	1171.59	F
	98.02.16	1112.07	F	59.52	F	1171.59	F
	98.04.15	1119.45	F	52.14	F	1171.59	F
	98.05.15	1121.36	F	50.23	F	1171.59	F
SIBW-23U	95.01.19	1111.18	F	62.12	F	1173.30	F
	95.02.15	1113.81	F	59.49	F	1173.30	F
	95.03.15	1117.69	F	55.61	F	1173.30	F
	95.04.17	1119.58	F	53.72	F	1173.30	F
	95.05.15	1120.04	F	53.26	F	1173.30	F
	95.06.16	1119.36	F	53.94	F	1173.30	F
	95.07.17	1118.07	F	55.23	F	1173.30	F
	95.08.15	1117.46	F	55.84	F	1173.30	F
	95.09.15	1117.89	F	55.41	F	1173.30	F
	95.10.16	1118.04	F	55.26	F	1173.30	F
	95.12.18	1116.15	F	57.15	F	1173.30	F
	96.02.19	1114.05	F	59.25	F	1173.30	F
	96.03.18	1113.24	F	60.06	F	1173.30	F
	96.04.15	1110.89	F	62.41	F	1173.30	F
	96.05.07	1110.52	F	62.78	F	1173.30	F
	96.06.20	1109.72	F	63.58	F	1173.30	F
	97.05.15	1103.64	F	69.66	F	1173.30	F
	97.06.16	1103.11	F	70.19	F	1173.30	F
	97.08.13	1101.85	F	71.45	F	1173.30	F
	97.09.15	1103.22	F	70.08	F	1173.30	F
	97.10.15	1103.22	F	70.08	F	1173.30	F
	97.11.14	1102.56	F	70.74	F	1173.30	F
	97.12.15	1102.34	F	70.96	F	1173.30	F
	98.01.15	1103.05	F	70.25	F	1173.30	F
	98.02.16	1104.70	F	68.60	F	1173.30	F
	98.03.16	1108.97	F	64.33	F	1173.30	F
	98.04.15	1111.87	F	61.43	F	1173.30	F
	98.05.18	1114.24	F	59.06	F	1173.30	F
	98.06.15	1114.09	F	59.21	F	1173.30	F
	98.07.15	1113.65	F	59.65	F	1173.30	F
	98.08.14	1113.40	F	59.90	F	1173.30	F
	98.09.15	1114.70	F	58.60	F	1173.30	F
	98.10.15	1114.78	F	58.52	F	1173.30	F
	98.11.16	1113.42	F	59.88	F	1173.30	F
	98.12.15	1113.30	F	60.00	F	1173.30	F

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WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-23U	99.01.15	1113.93	F	59.37	F	1173.30	F
	99.02.15	1113.85	F	59.45	F	1173.30	F
	99.03.15	1112.20	F	61.10	F	1173.30	F
	99.04.15	1111.35	F	61.95	F	1173.30	F
	99.05.14	1110.83	F	62.47	F	1173.30	F
	99.06.15	1109.58	F	63.72	F	1173.30	F
SIBW-24U	95.01.19	1111.00	F	62.85	F	1173.85	F
	95.02.15	1113.73	F	60.12	F	1173.85	F
	95.03.15	1117.58	F	56.27	F	1173.85	F
	95.04.17	1119.57	F	54.28	F	1173.85	F
	95.05.15	1120.03	F	53.82	F	1173.85	F
	95.06.16	1119.43	F	54.42	F	1173.85	F
	95.07.17	1118.03	F	55.82	F	1173.85	F
	95.08.15	1117.43	F	56.42	F	1173.85	F
	95.09.15	1117.90	F	55.95	F	1173.85	F
	95.10.16	1118.03	F	55.82	F	1173.85	F
	95.11.27	1117.02	F	56.83	F	1173.85	F
	95.12.18	1116.07	F	57.78	F	1173.85	F
	96.01.15	1115.00	F	58.85	F	1173.85	F
	96.02.19	1113.96	F	59.89	F	1173.85	F
	96.03.18	1113.11	F	60.74	F	1173.85	F
	96.04.15	1110.85	F	63.00	F	1173.85	F
	96.05.07	1110.44	F	63.41	F	1173.85	F
	96.06.20	1109.69	F	64.16	F	1173.85	F
	97.05.15	1103.64	F	70.21	F	1173.85	F
	97.06.16	1102.92	F	70.93	F	1173.85	F
	97.08.13	1101.75	F	72.10	F	1173.85	F
	97.10.15	1103.10	F	70.75	F	1173.85	F
	97.11.14	1102.49	F	71.36	F	1173.85	F
	98.01.15	1103.76	F	70.09	F	1173.85	F
	98.02.16	1104.70	F	69.15	F	1173.85	F
	98.03.16	1108.89	F	64.96	F	1173.85	F
	98.04.15	1111.99	F	61.86	F	1173.85	F
	98.05.18	1114.20	F	59.65	F	1173.85	F
	98.06.15	1114.13	F	59.72	F	1173.85	F
	98.07.15	1113.85	F	60.00	F	1173.85	F
	98.08.14	1113.68	F	60.17	F	1173.85	F
	98.09.15	1114.25	F	59.60	F	1173.85	F
	98.10.15	1114.83	F	59.02	F	1173.85	F
	98.11.16	1113.54	F	60.31	F	1173.85	F
	98.12.15	1113.40	F	60.45	F	1173.85	F
	99.01.15	1113.91	F	59.94	F	1173.85	F
	99.02.15	1113.75	F	60.10	F	1173.85	F
	99.03.15	1112.30	F	61.55	F	1173.85	F
	99.04.15	1111.39	F	62.46	F	1173.85	F
	99.05.17	1110.03	F	63.82	F	1173.85	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-24U	99.06.15	1109.55	F	64.30	F	1173.85	
SIBW-25U	95.02.15	1113.74	F	60.11	F	1173.85	F
	95.03.15	1117.58	F	56.27	F	1173.85	
	95.04.17	1119.58	F	54.27	F	1173.85	
	95.05.15	1120.05	F	53.80	F	1173.85	F
	95.06.16	1119.43	F	54.42	F	1173.85	
	95.07.17	1118.19	F	55.66	F	1173.85	
	95.08.15	1117.43	F	56.42	F	1173.85	F
	95.09.15	1117.92	F	55.93	F	1173.85	F
	95.10.16	1118.07	F	55.78	F	1173.85	
	95.11.27	1116.95	F	56.90	F	1173.85	
	95.12.18	1116.12	F	57.73	F	1173.85	F
	96.01.15	1115.12	F	58.73	F	1173.85	
	96.02.19	1114.06	F	59.79	F	1173.85	
	96.03.18	1113.24	F	60.61	F	1173.85	F
	96.04.15	1111.01	F	62.84	F	1173.85	F
	96.05.07	1110.58	F	63.27	F	1173.85	
	96.06.20	1109.80	F	64.05	F	1173.85	
	97.05.15	1103.69	F	70.16	F	1173.85	F
	97.06.16	1103.30	F	70.55	F	1173.85	
	97.08.13	1102.00	F	71.85	F	1173.85	
	97.09.15	1103.39	F	70.46	F	1173.85	F
	97.10.15	1103.37	F	70.48	F	1173.85	F
	97.11.14	1102.74	F	71.11	F	1173.85	
	97.12.15	1102.54	F	71.31	F	1173.85	F
	98.01.15	1103.16	F	70.69	F	1173.85	F
	98.02.16	1104.85	F	69.00	F	1173.85	
	98.03.16	1109.05	F	64.80	F	1173.85	
	98.04.15	1112.11	F	61.74	F	1173.85	F
	98.05.18	1114.36	F	59.49	F	1173.85	
	98.06.15	1114.25	F	59.60	F	1173.85	
	98.07.15	1114.15	F	59.70	F	1173.85	F
	98.08.14	1113.67	F	60.18	F	1173.85	F
	98.09.15	1115.00	F	58.85	F	1173.85	
	98.10.15	1115.08	F	58.77	F	1173.85	
	98.11.16	1113.73	F	60.12	F	1173.85	F
	98.12.15	1113.60	F	60.25	F	1173.85	
	99.01.15	1114.25	F	59.60	F	1173.85	
	99.02.15	1113.98	F	59.87	F	1173.85	F
	99.03.15	1112.37	F	61.48	F	1173.85	F
	99.04.15	1111.57	F	62.28	F	1173.85	
	99.05.14	1110.14	F	63.71	F	1173.85	
	99.06.15	1109.81	F	64.04	F	1173.85	F
SIBW-26U	95.01.19	1110.16	F	73.71	F	1183.87	
	95.02.15	1112.74	F	71.13	F	1183.87	F

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TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-26U	95.03.15	1115.89	F	67.98	F	1183.87	F
	95.04.17	1118.53	F	65.34	F	1183.87	F
	95.05.15	1119.70	F	64.17	F	1183.87	F
	95.06.16	1119.96	F	63.91	F	1183.87	F
	95.07.17	1119.48	F	64.39	F	1183.87	F
	95.08.15	1119.01	F	64.86	F	1183.87	F
	95.09.15	1118.96	F	64.91	F	1183.87	F
	95.10.16	1118.90	F	64.97	F	1183.87	F
	95.11.27	1117.71	F	66.16	F	1183.87	F
	95.12.18	1116.97	F	66.90	F	1183.87	F
	96.01.15	1116.09	F	67.78	F	1183.87	F
	96.02.19	1115.15	F	68.72	F	1183.87	F
	96.03.18	1114.63	F	69.24	F	1183.87	F
	96.04.15	1112.85	F	71.02	F	1183.87	F
	96.05.07	1112.22	F	71.65	F	1183.87	F
	96.06.20	1111.68	F	72.19	F	1183.87	F
	97.05.15	1105.66	F	78.21	F	1183.87	F
	97.06.16	1105.22	F	78.65	F	1183.87	F
	97.08.13	1103.29	F	80.58	F	1183.87	F
	97.09.15	1104.91	F	78.96	F	1183.87	F
	97.10.15	1105.16	F	78.71	F	1183.87	F
	97.11.14	1105.02	F	78.85	F	1183.87	F
	97.12.15	1104.75	F	79.12	F	1183.87	F
	98.01.15	1105.41	F	78.46	F	1183.87	F
	98.02.16	1106.19	F	77.68	F	1183.87	F
	98.03.16	1108.96	F	74.91	F	1183.87	F
	98.04.15	1111.12	F	72.75	F	1183.87	F
	98.05.18	1114.13	F	69.74	F	1183.87	F
	98.06.15	1115.07	F	68.80	F	1183.87	F
	98.07.15	1115.77	F	68.10	F	1183.87	F
	98.08.14	1115.72	F	68.15	F	1183.87	F
	98.09.15	1116.79	F	67.08	F	1183.87	F
	98.10.15	1117.42	F	66.45	F	1183.87	F
	98.11.16	1116.32	F	67.55	F	1183.87	F
	98.12.15	1115.90	F	67.97	F	1183.87	F
	99.01.15	1116.40	F	67.47	F	1183.87	F
	99.02.15	1116.24	F	67.63	F	1183.87	F
	99.03.15	1114.69	F	69.18	F	1183.87	F
	99.04.15	1113.44	F	70.43	F	1183.87	F
	99.05.14	1112.16	F	71.71	F	1183.87	F
	99.06.15	1111.44	F	72.43	F	1183.87	F
SIBW-27U	95.01.19	1109.91	F	69.45	F	1179.36	F
	95.02.15	1112.63	F	66.73	F	1179.36	F
	95.03.15	1115.69	F	63.67	F	1179.36	F
	95.04.17	1118.23	F	61.13	F	1179.36	F
	95.05.15	1119.29	F	60.07	F	1179.36	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-27U	95.06.16	1119.37	F	59.99	F	1179.36	
	95.07.17	1118.82	F	60.54	F	1179.36	F
	95.08.15	1118.26	F	61.10	F	1179.36	F
	95.09.15	1118.41	F	60.95	F	1179.36	
	95.10.16	1118.24	F	61.12	F	1179.36	F
	95.11.27	1117.28	F	62.08	F	1179.36	F
	95.12.18	1116.68	F	62.68	F	1179.36	
	96.01.15	1115.73	F	63.63	F	1179.36	
	96.02.19	1114.71	F	64.65	F	1179.36	F
	96.03.18	1114.14	F	65.22	F	1179.36	F
	96.04.15	1112.36	F	67.00	F	1179.36	
	96.05.07	1111.86	F	67.50	F	1179.36	F
	96.06.20	1111.04	F	68.32	F	1179.36	F
	97.05.15	1105.05	F	74.31	F	1179.36	
	97.06.16	1104.60	F	74.76	F	1179.36	
	97.08.13	1103.36	F	76.00	F	1179.36	F
	97.09.15	1104.25	F	75.11	F	1179.36	F
	97.10.15	1104.47	F	74.89	F	1179.36	
	97.11.14	1104.32	F	75.04	F	1179.36	F
	97.12.15	1104.08	F	75.28	F	1179.36	F
	98.01.15	1104.67	F	74.69	F	1179.36	
	98.02.16	1105.69	F	73.67	F	1179.36	
	98.03.16	1108.68	F	70.68	F	1179.36	F
	98.04.15	1110.77	F	68.59	F	1179.36	F
	98.05.18	1113.78	F	65.58	F	1179.36	
	98.06.15	1114.66	F	64.70	F	1179.36	F
	98.07.15	1115.11	F	64.25	F	1179.36	F
	98.08.14	1115.16	F	64.20	F	1179.36	
	98.09.15	1116.06	F	63.30	F	1179.36	
	98.10.15	1116.64	F	62.72	F	1179.36	F
	98.11.16	1115.61	F	63.75	F	1179.36	
	98.12.15	1115.17	F	64.19	F	1179.36	
	99.01.05	1115.69	F	63.67	F	1179.36	F
	99.02.15	1115.61	F	63.75	F	1179.36	F
	99.03.15	1114.14	F	65.22	F	1179.36	
	99.04.15	1112.87	F	66.49	F	1179.36	
	99.05.14	1111.63	F	67.73	F	1179.36	F
	99.06.15	1110.86	F	68.50	F	1179.36	
SIBW-28U	95.01.19	1106.96	F	62.87	F	1169.83	F
	95.02.15	1109.02	F	60.81	F	1169.83	F
	95.03.15	1111.37	F	58.46	F	1169.83	
	95.04.17	1113.22	F	56.61	F	1169.83	F
	95.05.15	1114.45	F	55.38	F	1169.83	F
	95.06.16	1114.62	F	55.21	F	1169.83	
	95.07.17	1114.02	F	55.81	F	1169.83	
	95.08.15	1113.56	F	56.27	F	1169.83	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-28U	95.09.15	1113.90	F	55.93	F	1169.83	F
	95.10.16	1114.19	F	55.64	F	1169.83	F
	95.11.27	1113.58	F	56.25	F	1169.83	F
	95.12.18	1113.11	F	56.72	F	1169.83	F
	96.01.15	1112.46	F	57.37	F	1169.83	F
	96.02.19	1111.73	F	58.10	F	1169.83	F
	96.03.18	1110.83	F	59.00	F	1169.83	F
	96.04.15	1108.72	F	61.11	F	1169.83	F
	96.05.07	1108.40	F	61.43	F	1169.83	F
	96.06.20	1106.26	F	63.57	F	1169.83	F
	97.05.15	1101.69	F	68.14	F	1169.83	F
	97.06.16	1096.44	F	73.39	F	1169.83	F
	97.08.13	1098.98	F	70.85	F	1169.83	F
	97.09.15	1100.43	F	69.40	F	1169.83	F
	97.10.15	1100.60	F	69.23	F	1169.83	F
	97.11.14	1100.00	F	69.83	F	1169.83	F
	97.12.15	1099.65	F	70.18	F	1169.83	F
	98.01.15	1100.07	F	69.76	F	1169.83	F
	98.02.16	1100.82	F	69.01	F	1169.83	F
	98.03.16	1103.68	F	66.15	F	1169.83	F
	98.04.15	1106.09	F	63.74	F	1169.83	F
	98.05.18	1108.60	F	61.23	F	1169.83	F
	98.06.15	1109.11	F	60.72	F	1169.83	F
	98.07.15	1109.20	F	60.63	F	1169.83	F
	98.08.14	1107.43	F	62.40	F	1169.83	F
	98.09.15	1110.11	F	59.72	F	1169.83	F
	98.10.15	1110.58	F	59.25	F	1169.83	F
	98.11.16	1109.19	F	60.64	F	1169.83	F
	98.12.15	1108.98	F	60.85	F	1169.83	F
	99.01.15	1109.63	F	60.20	F	1169.83	F
	99.02.15	1109.62	F	60.21	F	1169.83	F
	99.03.15	1108.24	F	61.59	F	1169.83	F
	99.04.15	1107.08	F	62.75	F	1169.83	F
	99.05.14	1106.17	F	63.66	F	1169.83	F
	99.06.15	1105.12	F	64.71	F	1169.83	F
SIBW-29U	95.01.19	1112.13	F	57.58	F	1169.71	F
	95.02.15	1114.19	F	55.52	F	1169.71	F
	95.03.15	1118.74	F	50.97	F	1169.71	F
	95.04.17	1119.91	F	49.80	F	1169.71	F
	95.05.15	1119.99	F	49.72	F	1169.71	F
	95.06.16	1118.49	F	51.22	F	1169.71	F
	95.07.17	1117.12	F	52.59	F	1169.71	F
	95.08.15	1116.26	F	53.45	F	1169.71	F
	95.09.15	1117.02	F	52.69	F	1169.71	F
	95.10.16	1117.49	F	52.22	F	1169.71	F
	95.11.27	1116.42	F	53.29	F	1169.71	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-29U	95.12.18	1115.42	F	54.29	F	1169.71	F
	96.01.15	1114.20	F	55.51	F	1169.71	F
	96.02.19	1113.10	F	56.61	F	1169.71	F
	96.03.18	1112.21	F	57.50	F	1169.71	F
	96.04.15	1108.61	F	61.10	F	1169.71	F
	96.05.07	1109.35	F	60.36	F	1169.71	F
	96.06.20	1108.48	F	61.23	F	1169.71	F
	97.05.15	1102.10	F	67.61	F	1169.71	F
	97.06.16	1102.15	F	67.56	F	1169.71	F
	97.08.13	1100.94	F	68.77	F	1169.71	F
	97.09.15	1102.43	F	67.28	F	1169.71	F
	97.10.15	1101.85	F	67.86	F	1169.71	F
	97.11.14	1100.87	F	68.84	F	1169.71	F
	97.12.15	1100.67	F	69.04	F	1169.71	F
	98.01.15	1101.36	F	68.35	F	1169.71	F
	98.02.16	1104.19	F	65.52	F	1169.71	F
	98.03.16	1108.22	F	61.49	F	1169.71	F
	98.04.15	1112.39	F	57.32	F	1169.71	F
	98.05.18	1113.47	F	56.24	F	1169.71	F
	98.06.15	1112.81	F	56.90	F	1169.71	F
	98.07.15	1111.93	F	57.78	F	1169.71	F
	98.08.14	1111.93	F	57.78	F	1169.71	F
	98.09.15	1112.91	F	56.80	F	1169.71	F
	98.10.15	1112.73	F	56.98	F	1169.71	F
	98.10.15	1112.73	F	56.98	F	1169.71	F
	98.11.16	1111.46	F	58.25	F	1169.71	F
	98.12.15	1111.32	F	58.39	F	1169.71	F
	99.02.15	1111.61	F	58.10	F	1169.71	F
	99.03.15	1109.89	F	59.82	F	1169.71	F
	99.04.15	1109.26	F	60.45	F	1169.71	F
	99.05.14	1109.08	F	60.63	F	1169.71	F
	99.06.15	1107.92	F	61.79	F	1169.71	
SIBW-30U	95.01.19	1116.42	F	60.53	F	1176.95	F
	95.03.16	1123.01	F	53.94	F	1176.95	
	95.04.17	1124.89	F	52.06	F	1176.95	
	95.05.15	1125.41	F	51.54	F	1176.95	F
	95.06.16	1124.96	F	51.99	F	1176.95	
	95.07.17	1124.04	F	52.91	F	1176.95	
	95.09.15	1123.15	F	53.80	F	1176.95	F
	95.10.16	1122.81	F	54.14	F	1176.95	F
	95.11.27	1121.24	F	55.71	F	1176.95	
	95.12.18	1120.19	F	56.76	F	1176.95	F
	96.01.15	1118.87	F	58.08	F	1176.95	F
	96.02.19	1117.90	F	59.05	F	1176.95	
	96.03.18	1117.54	F	59.41	F	1176.95	
	96.04.15	1115.76	F	61.19	F	1176.95	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-30U	96.05.07	1115.34	F	61.61	F	1176.95	F
	96.06.20	1114.55	F	62.40	F	1176.95	F
	97.05.15	1108.47	F	68.48	F	1176.95	F
	97.06.16	1108.32	F	68.63	F	1176.95	F
	97.08.13	1107.65	F	69.30	F	1176.95	F
	97.09.15	1108.66	F	68.29	F	1176.95	F
	97.10.15	1108.62	F	68.33	F	1176.95	F
	97.11.14	1108.39	F	68.56	F	1176.95	F
	97.12.15	1108.44	F	68.51	F	1176.95	F
	98.01.15	1109.29	F	67.66	F	1176.95	F
	98.02.16	1110.81	F	66.14	F	1176.95	F
	98.03.16	1114.18	F	62.77	F	1176.95	F
	98.04.15	1116.65	F	60.30	F	1176.95	F
	98.05.18	1119.51	F	57.44	F	1176.95	F
	98.06.15	1120.00	F	56.95	F	1176.95	F
	98.07.15	1120.23	F	56.72	F	1176.95	F
	98.08.14	1119.96	F	56.99	F	1176.95	F
	98.09.15	1121.13	F	55.82	F	1176.95	F
	98.10.15	1121.56	F	55.39	F	1176.95	F
	98.11.16	1120.45	F	56.50	F	1176.95	F
	98.12.15	1120.10	F	56.85	F	1176.95	F
	99.01.15	1120.44	F	56.51	F	1176.95	F
	99.02.15	1120.05	F	56.90	F	1176.95	F
	99.03.15	1118.57	F	58.38	F	1176.95	F
	99.04.15	1117.60	F	59.35	F	1176.95	F
	99.05.14	1116.56	F	60.39	F	1176.95	F
	99.06.15	1115.89	F	61.06	F	1176.95	F
SIBW-31U	95.02.15	1118.20	F	57.73	F	1175.93	F
	95.03.15	1122.83	F	53.10	F	1175.93	F
	95.04.17	1124.74	F	51.19	F	1175.93	F
	95.05.15	1125.11	F	50.82	F	1175.93	F
	95.06.16	1124.59	F	51.34	F	1175.93	F
	95.07.17	1123.66	F	52.27	F	1175.93	F
	95.08.15	1122.83	F	53.10	F	1175.93	F
	95.09.15	1122.90	F	53.03	F	1175.93	F
	95.10.16	1122.55	F	53.38	F	1175.93	F
	95.11.27	1121.07	F	54.86	F	1175.93	F
	95.12.18	1119.97	F	55.96	F	1175.93	F
	96.01.15	1118.61	F	57.32	F	1175.93	F
	96.02.19	1117.65	F	58.28	F	1175.93	F
	96.03.18	1117.18	F	58.75	F	1175.93	F
	96.04.15	1115.42	F	60.51	F	1175.93	F
	96.05.07	1114.97	F	60.96	F	1175.93	F
	96.06.20	1114.14	F	61.79	F	1175.93	F
	97.05.15	1108.14	F	67.79	F	1175.93	F
	97.06.16	1107.83	F	68.10	F	1175.93	F

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-31U	97.08.13	1107.13	F	68.80	F	1175.93	F
	97.09.15	1108.20	F	67.73	F	1175.93	F
	97.10.15	1108.17	F	67.76	F	1175.93	F
	97.11.14	1107.98	F	67.95	F	1175.93	F
	97.12.15	1108.01	F	67.92	F	1175.93	F
	98.01.15	1108.84	F	67.09	F	1175.93	F
	98.02.16	1110.55	F	65.38	F	1175.93	F
	98.03.16	1114.15	F	61.78	F	1175.93	F
	98.04.15	1124.68	F	51.25	F	1175.93	F
	98.05.18	1119.39	F	56.54	F	1175.93	F
	98.06.15	1119.79	F	56.14	F	1175.93	F
	98.07.15	1119.99	F	55.94	F	1175.93	F
	98.08.14	1119.84	F	56.09	F	1175.93	F
	98.09.15	1120.95	F	54.98	F	1175.93	F
	98.10.15	1121.19	F	54.74	F	1175.93	F
	98.11.16	1120.11	F	55.82	F	1175.93	F
	98.12.15	1119.78	F	56.15	F	1175.93	F
	99.01.15	1140.13	F	35.80	F	1175.93	F
	99.02.15	1119.87	F	56.06	F	1175.93	F
	99.03.15	1118.28	F	57.65	F	1175.93	F
	99.04.15	1117.37	F	58.56	F	1175.93	F
	99.05.14	1116.31	F	59.62	F	1175.93	F
	99.06.15	1115.62	F	60.31	F	1175.93	F
SIBW-32U	95.01.19	1112.85	F	66.78	F	1179.63	F
	95.02.15	1115.71	F	63.92	F	1179.63	F
	95.03.15	1119.60	F	60.03	F	1179.63	F
	95.04.17	1121.95	F	57.68	F	1179.63	F
	95.05.15	1122.97	F	56.66	F	1179.63	F
	95.06.16	1123.03	F	56.60	F	1179.63	F
	95.07.17	1122.28	F	57.35	F	1179.63	F
	95.08.15	1121.63	F	58.00	F	1179.63	F
	95.09.15	1118.00	F	61.63	F	1179.63	F
	95.10.16	1120.99	F	58.64	F	1179.63	F
	95.11.27	1119.70	F	59.93	F	1179.63	F
	95.12.18	1118.84	F	60.79	F	1179.63	F
	96.01.15	1117.68	F	61.95	F	1179.63	F
	96.02.19	1116.69	F	62.94	F	1179.63	F
	96.03.18	1116.42	F	63.21	F	1179.63	F
	96.04.15	1114.40	F	65.23	F	1179.63	F
	96.05.07	1114.11	F	65.52	F	1179.63	F
	96.06.20	1113.34	F	66.29	F	1179.63	F
	97.05.15	1105.45	F	74.18	F	1179.63	F
	97.06.16	1106.90	F	72.73	F	1179.63	F
	97.08.13	1105.98	F	73.65	F	1179.63	F
	97.09.15	1107.03	F	72.60	F	1179.63	F
	97.10.15	1107.22	F	72.41	F	1179.63	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-32U	97.11.14	1106.91	F	72.72	F	1179.63	F
	97.12.15	1106.96	F	72.67	F	1179.63	F
	98.01.15	1107.69	F	71.94	F	1179.63	F
	98.02.16	1108.78	F	70.85	F	1179.63	F
	98.03.16	1111.64	F	67.99	F	1179.63	F
	98.04.15	1112.05	F	67.58	F	1179.63	F
	98.05.18	1117.12	F	62.51	F	1179.63	F
	98.06.15	1117.97	F	61.66	F	1179.63	F
	98.07.15	1118.35	F	61.28	F	1179.63	F
	98.08.14	1118.37	F	61.26	F	1179.63	F
	98.09.15	1119.39	F	60.24	F	1179.63	F
	98.10.15	1119.81	F	59.82	F	1179.63	F
	98.11.16	1118.56	F	61.07	F	1179.63	F
	98.12.15	1118.38	F	61.25	F	1179.63	F
	99.01.15	1118.73	F	60.90	F	1179.63	F
	99.02.15	1118.42	F	61.21	F	1179.63	F
	99.03.15	1116.67	F	62.96	F	1179.63	F
	99.04.15	1115.63	F	64.00	F	1179.63	F
	99.05.14	1114.41	F	65.22	F	1179.63	F
	99.06.15	1113.71	F	65.92	F	1179.63	F
SIBW-33U	95.01.19	1112.48	F	70.43	F	1182.91	F
	95.02.15	1115.45	F	67.46	F	1182.91	F
	95.03.15	1119.31	F	63.60	F	1182.91	F
	95.04.17	1121.77	F	61.14	F	1182.91	F
	95.05.15	1122.82	F	60.09	F	1182.91	F
	95.06.16	1122.90	F	60.01	F	1182.91	F
	95.07.17	1122.22	F	60.69	F	1182.91	F
	95.08.15	1121.49	F	61.42	F	1182.91	F
	95.09.15	1124.68	F	58.23	F	1182.91	F
	95.10.16	1120.87	F	62.04	F	1182.91	F
	95.11.27	1119.59	F	63.32	F	1182.91	F
	95.12.18	1118.72	F	64.19	F	1182.91	F
	96.01.15	1117.54	F	65.37	F	1182.91	F
	96.02.19	1116.68	F	66.23	F	1182.91	F
	96.03.18	1116.40	F	66.51	F	1182.91	F
	96.04.15	1114.29	F	68.62	F	1182.91	F
	96.05.07	1114.03	F	68.88	F	1182.91	F
	96.06.20	1108.00	F	74.91	F	1182.91	F
	97.05.15	1107.15	F	75.76	F	1182.91	F
	97.06.16	1093.05	F	89.86	F	1182.91	F
	97.08.13	1102.81	F	80.10	F	1182.91	F
	97.09.15	1106.87	F	76.04	F	1182.91	F
	98.08.14	1119.05	F	63.86	F	1182.91	F
	98.09.15	1120.06	F	62.85	F	1182.91	F
	98.10.15	1120.59	F	62.32	F	1182.91	F
	98.11.16	1119.31	F	63.60	F	1182.91	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-33U	98.12.15	1099.15	F	83.76	F	1182.91	
	99.01.15	1119.54	F	63.37	F	1182.91	F
	99.02.15	1119.25	F	63.66	F	1182.91	F
	99.03.15	1117.41	F	65.50	F	1182.91	
	99.04.15	1116.33	F	66.58	F	1182.91	F
	99.05.14	1115.10	F	67.81	F	1182.91	F
	99.06.15	1114.39	F	68.52	F	1182.91	
SIBW-36U	95.01.19	1117.17	F	63.81	F	1180.98	F
	95.02.15	1119.95	F	61.03	F	1180.98	F
	95.03.15	1124.94	F	56.04	F	1180.98	
	95.04.17	1126.72	F	54.26	F	1180.98	F
	95.05.15	1127.08	F	53.90	F	1180.98	F
	95.06.16	1126.64	F	54.34	F	1180.98	
	95.07.17	1125.72	F	55.26	F	1180.98	
	95.08.15	1124.88	F	56.10	F	1180.98	F
	95.09.15	1124.63	F	56.35	F	1180.98	F
	95.10.16	1123.85	F	57.13	F	1180.98	
	95.11.27	1122.45	F	58.53	F	1180.98	F
	95.12.18	1121.29	F	59.69	F	1180.98	F
	96.01.15	1120.84	F	60.14	F	1180.98	F
	96.02.19	1118.99	F	61.99	F	1180.98	F
	96.03.18	1118.64	F	62.34	F	1180.98	F
	96.04.15	1116.94	F	64.04	F	1180.98	F
	96.05.07	1116.53	F	64.45	F	1180.98	F
	96.06.20	1115.68	F	65.30	F	1180.98	F
	97.05.15	1109.84	F	71.14	F	1180.98	F
	97.06.16	1109.78	F	71.20	F	1180.98	F
	97.08.13	1109.42	F	71.56	F	1180.98	F
	97.09.15	1110.20	F	70.78	F	1180.98	F
	97.10.15	1110.07	F	70.91	F	1180.98	F
	97.11.14	1109.90	F	71.08	F	1180.98	F
	97.12.15	1110.10	F	70.88	F	1180.98	F
	98.01.15	1110.89	F	70.09	F	1180.98	F
	98.02.16	1112.39	F	68.59	F	1180.98	F
	98.03.16	1115.48	F	65.50	F	1180.98	F
	98.04.15	1118.26	F	62.72	F	1180.98	F
	98.05.18	1121.04	F	59.94	F	1180.98	F
	98.06.15	1121.52	F	59.46	F	1180.98	F
	98.07.15	1121.64	F	59.34	F	1180.98	F
	98.08.14	1121.60	F	59.38	F	1180.98	F
	98.09.15	1122.67	F	58.31	F	1180.98	F
	98.10.15	1123.07	F	57.91	F	1180.98	F
	98.11.16	1121.83	F	59.15	F	1180.98	F
	98.12.15	1121.56	F	59.42	F	1180.98	F
	99.01.15	1122.80	F	58.18	F	1180.98	F
	99.02.15	1121.41	F	59.57	F	1180.98	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-36U	99.03.15	1119.88	F	61.10	F	1180.98	F
	99.04.15	1119.02	F	61.96	F	1180.98	F
	99.05.14	1118.02	F	62.96	F	1180.98	F
	99.06.15	1117.31	F	63.67	F	1180.98	F
SIBW-37U	95.01.19	1117.24	F	62.73	F	1179.97	F
	95.02.15	1120.09	F	59.88	F	1179.97	F
	95.03.15	1124.99	F	54.98	F	1179.97	F
	95.04.17	1126.88	F	53.09	F	1179.97	F
	95.05.15	1127.25	F	52.72	F	1179.97	F
	95.06.16	1126.94	F	53.03	F	1179.97	F
	95.07.17	1126.02	F	53.95	F	1179.97	F
	95.08.15	1125.16	F	54.81	F	1179.97	F
	95.09.15	1124.81	F	55.16	F	1179.97	F
	95.10.16	1124.14	F	55.83	F	1179.97	F
	95.11.20	1122.97	F	57.00	F	1179.97	F
	95.12.18	1121.52	F	58.45	F	1179.97	F
	96.01.15	1120.09	F	59.88	F	1179.97	F
	96.02.19	1119.16	F	60.81	F	1179.97	F
	96.03.18	1118.93	F	61.04	F	1179.97	F
	96.04.15	1117.06	F	62.91	F	1179.97	F
	96.05.07	1116.76	F	63.21	F	1179.97	F
	96.06.20	1115.91	F	64.06	F	1179.97	F
	97.05.15	1110.11	F	69.86	F	1179.97	F
	97.06.16	1110.09	F	69.88	F	1179.97	F
	97.08.13	1109.67	F	70.30	F	1179.97	F
	97.09.15	1110.48	F	69.49	F	1179.97	F
	97.10.15	1110.36	F	69.61	F	1179.97	F
	97.11.14	1110.21	F	69.76	F	1179.97	F
	97.12.15	1110.45	F	69.52	F	1179.97	F
	98.01.15	1111.20	F	68.77	F	1179.97	F
	98.02.16	1112.57	F	67.40	F	1179.97	F
	98.03.16	1115.63	F	64.34	F	1179.97	F
	98.04.15	1118.52	F	61.45	F	1179.97	F
	98.05.18	1121.15	F	58.82	F	1179.97	F
	98.06.15	1121.70	F	58.27	F	1179.97	F
	98.07.15	1121.99	F	57.98	F	1179.97	F
	98.08.14	1121.71	F	58.26	F	1179.97	F
	98.09.15	1122.87	F	57.10	F	1179.97	F
	98.10.15	1123.16	F	56.81	F	1179.97	F
	98.11.16	1122.00	F	57.97	F	1179.97	F
	98.12.15	1121.78	F	58.19	F	1179.97	F
	99.01.15	1129.95	F	50.02	F	1179.97	F
	99.02.15	1121.60	F	58.37	F	1179.97	F
	99.03.15	1120.05	F	59.92	F	1179.97	F
	99.04.15	1119.28	F	60.69	F	1179.97	F
	99.05.14	1118.20	F	61.77	F	1179.97	F

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-37U	99.06.15	1117.49	F	62.48	F	1179.97	F
SIBW-38U	95.01.19	1105.75	F	70.59	F	1176.34	F
	95.02.15	1107.46	F	68.88	F	1176.34	F
	95.03.15	1109.37	F	66.97	F	1176.34	F
	95.04.17	1111.31	F	65.03	F	1176.34	F
	95.05.15	1112.87	F	63.47	F	1176.34	F
	95.06.16	1113.20	F	63.14	F	1176.34	F
	95.07.17	1112.85	F	63.49	F	1176.34	F
	95.08.15	1112.73	F	63.61	F	1176.34	F
	95.09.15	1112.85	F	63.49	F	1176.34	F
	95.10.16	1113.03	F	63.31	F	1176.34	F
	95.11.27	1112.62	F	63.72	F	1176.34	F
	95.12.18	1112.34	F	64.00	F	1176.34	F
	96.01.15	1111.87	F	64.47	F	1176.34	F
	96.02.19	1111.17	F	65.17	F	1176.34	F
	96.03.18	1110.35	F	65.99	F	1176.34	F
	96.04.15	1108.47	F	67.87	F	1176.34	F
	96.05.07	1108.09	F	68.25	F	1176.34	F
	96.06.20	1107.25	F	69.09	F	1176.34	F
	97.05.15	1101.70	F	74.64	F	1176.34	F
	97.06.16	1100.77	F	75.57	F	1176.34	F
	97.08.13	1098.74	F	77.60	F	1176.34	F
	97.09.15	1099.90	F	76.44	F	1176.34	F
	97.10.15	1100.34	F	76.00	F	1176.34	F
	97.11.14	1099.87	F	76.47	F	1176.34	F
	97.12.15	1099.55	F	76.79	F	1176.34	F
	98.01.15	1099.91	F	76.43	F	1176.34	F
	98.02.16	1100.48	F	75.86	F	1176.34	F
	98.03.16	1102.65	F	73.69	F	1176.34	F
	98.04.15	1104.79	F	71.55	F	1176.34	F
	98.05.18	1107.17	F	69.17	F	1176.34	F
	98.06.15	1108.09	F	68.25	F	1176.34	F
	98.07.15	1108.68	F	67.66	F	1176.34	F
	98.08.14	1108.84	F	67.50	F	1176.34	F
	98.10.15	1110.03	F	66.31	F	1176.34	F
	98.11.16	1109.01	F	67.33	F	1176.34	F
	98.12.15	1107.73	F	68.61	F	1176.34	F
	99.01.15	1109.30	F	67.04	F	1176.34	F
	99.02.15	1109.28	F	67.06	F	1176.34	F
	99.03.15	1108.10	F	68.24	F	1176.34	F
	99.04.15	1106.80	F	69.54	F	1176.34	F
	99.05.14	1106.18	F	70.16	F	1176.34	F
	99.06.15	1104.55	F	71.79	F	1176.34	F
SIBW-39U	95.02.15	1109.65	F	77.23	F	1186.88	F
	95.03.15	1112.07	F	74.81	F	1186.88	F

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-39U	95.04.17	1114.27	F	72.61	F	1186.88	F
	95.05.15	1115.86	F	71.02	F	1186.88	F
	95.06.16	1116.53	F	70.35	F	1186.88	F
	95.07.17	1116.37	F	70.51	F	1186.88	F
	95.08.15	1116.16	F	70.72	F	1186.88	F
	95.09.15	1116.17	F	70.71	F	1186.88	F
	95.10.16	1116.19	F	70.69	F	1186.88	F
	95.11.27	1115.54	F	71.34	F	1186.88	F
	95.12.18	1114.88	F	72.00	F	1186.88	F
	96.01.15	1114.25	F	72.63	F	1186.88	F
	96.02.19	1113.49	F	73.39	F	1186.88	F
	96.03.18	1112.88	F	74.00	F	1186.88	F
	96.04.15	1111.38	F	75.50	F	1186.88	F
	96.05.07	1110.80	F	76.08	F	1186.88	F
	96.06.20	1110.07	F	76.81	F	1186.88	F
	97.05.15	1104.46	F	82.42	F	1186.88	F
	97.06.16	1103.76	F	83.12	F	1186.88	F
	97.08.13	1102.05	F	84.83	F	1186.88	F
	97.09.15	1102.88	F	84.00	F	1186.88	F
	97.10.15	1103.24	F	83.64	F	1186.88	F
	97.11.14	1103.11	F	83.77	F	1186.88	F
	97.12.15	1102.83	F	84.05	F	1186.88	F
	98.01.15	1103.28	F	83.60	F	1186.88	F
	98.02.16	1103.88	F	83.00	F	1186.88	F
	98.03.16	1105.98	F	80.90	F	1186.88	F
	98.04.15	1107.86	F	79.02	F	1186.88	F
	98.05.18	1110.56	F	76.32	F	1186.88	F
	98.06.15	1111.98	F	74.90	F	1186.88	F
	98.07.15	1112.84	F	74.04	F	1186.88	F
	98.08.14	1113.00	F	73.88	F	1186.88	F
	98.09.15	1113.94	F	72.94	F	1186.88	F
	98.10.15	1114.56	F	72.32	F	1186.88	F
	98.11.16	1113.89	F	72.99	F	1186.88	F
	98.12.15	1113.40	F	73.48	F	1186.88	F
	99.01.15	1113.76	F	73.12	F	1186.88	F
	99.02.15	1113.73	F	73.15	F	1186.88	F
	99.03.15	1112.64	F	74.24	F	1186.88	F
	99.04.15	1111.23	F	75.65	F	1186.88	F
	99.05.14	1110.85	F	76.03	F	1186.88	F
	99.06.15	1109.11	F	77.77	F	1186.88	F
SIBW-40U	95.01.19	1108.77	F	63.09	F	1171.86	F
	95.02.15	1111.12	F	60.74	F	1171.86	F
	95.03.15	1114.11	F	57.75	F	1171.86	F
	95.04.17	1116.03	F	55.83	F	1171.86	F
	95.05.15	1116.97	F	54.89	F	1171.86	F
	95.06.16	1120.71	F	51.15	F	1171.86	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-40U	95.07.17	1115.89	F	55.97	F	1171.86	F
	95.08.15	1115.34	F	56.52	F	1171.86	F
	95.09.15	1115.75	F	56.11	F	1171.86	F
	95.10.16	1115.98	F	55.88	F	1171.86	F
	95.11.27	1115.15	F	56.71	F	1171.86	F
	95.12.18	1114.51	F	57.35	F	1171.86	F
	96.01.15	1113.75	F	58.11	F	1171.86	F
	96.02.19	1112.78	F	59.08	F	1171.86	F
	96.03.18	1111.90	F	59.96	F	1171.86	F
	96.04.15	1109.72	F	62.14	F	1171.86	F
	96.05.07	1109.25	F	62.61	F	1171.86	F
	96.06.20	1108.61	F	63.25	F	1171.86	F
	97.05.15	1107.68	F	64.18	F	1171.86	F
	97.06.16	1101.88	F	69.98	F	1171.86	F
	97.08.13	1100.39	F	71.47	F	1171.86	F
	97.09.15	1101.75	F	70.11	F	1171.86	F
	97.10.15	1101.82	F	70.04	F	1171.86	F
	97.11.14	1101.15	F	70.71	F	1171.86	F
	97.12.15	1100.86	F	71.00	F	1171.86	F
	98.01.15	1101.32	F	70.54	F	1171.86	F
	98.02.16	1102.43	F	69.43	F	1171.86	F
	98.03.16	1105.95	F	65.91	F	1171.86	F
	98.04.15	1108.65	F	63.21	F	1171.86	F
	98.05.18	1111.08	F	60.78	F	1171.86	F
	98.06.15	1111.41	F	60.45	F	1171.86	F
	98.07.15	1111.28	F	60.58	F	1171.86	F
	98.08.14	1111.38	F	60.48	F	1171.86	F
	98.09.15	1112.28	F	59.58	F	1171.86	F
	98.10.15	1112.48	F	59.38	F	1171.86	F
	98.11.16	1111.19	F	60.67	F	1171.86	F
	98.12.15	1110.93	F	60.93	F	1171.86	F
	99.01.15	1111.58	F	60.28	F	1171.86	F
	99.02.15	1111.55	F	60.31	F	1171.86	F
	99.03.15	1110.09	F	61.77	F	1171.86	F
	99.04.15	1109.01	F	62.85	F	1171.86	F
	99.05.14	1108.40	F	63.46	F	1171.86	F
	99.06.15	1107.16	F	64.70	F	1171.86	F
SIBW-41U	95.01.19	1108.64	F	63.47	F	1172.11	F
	95.02.15	1111.09	F	61.02	F	1172.11	F
	95.03.15	1113.98	F	58.13	F	1172.11	F
	95.04.17	1116.07	F	56.04	F	1172.11	F
	95.05.15	1117.10	F	55.01	F	1172.11	F
	95.06.16	1117.00	F	55.11	F	1172.11	F
	95.07.17	1116.16	F	55.95	F	1172.11	F
	95.08.15	1115.78	F	56.33	F	1172.11	F
	95.09.15	1116.04	F	56.07	F	1172.11	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-41U	95.10.16	1116.11	F	56.00	F	1172.11	F
	95.11.27	1115.45	F	56.66	F	1172.11	F
	95.12.18	1114.77	F	57.34	F	1172.11	F
	96.01.15	1114.01	F	58.10	F	1172.11	F
	96.02.19	1113.07	F	59.04	F	1172.11	F
	96.03.18	1112.13	F	59.98	F	1172.11	F
	96.04.15	1110.21	F	61.90	F	1172.11	F
	96.05.07	1109.74	F	62.37	F	1172.11	F
	96.06.20	1108.96	F	63.15	F	1172.11	F
	97.05.15	1103.10	F	69.01	F	1172.11	F
	97.06.16	1102.45	F	69.66	F	1172.11	F
	97.08.13	1100.66	F	71.45	F	1172.11	F
	97.09.15	1102.12	F	69.99	F	1172.11	F
	97.10.15	1102.23	F	69.88	F	1172.11	F
	97.11.14	1101.70	F	70.41	F	1172.11	F
	98.01.15	1101.81	F	70.30	F	1172.11	F
	98.02.16	1101.78	F	70.33	F	1172.11	F
	98.03.16	1106.19	F	65.92	F	1172.11	F
	98.04.15	1108.78	F	63.33	F	1172.11	F
	98.05.18	1111.32	F	60.79	F	1172.11	F
	98.06.15	1111.62	F	60.49	F	1172.11	F
	98.07.15	1111.71	F	60.40	F	1172.11	F
	98.08.14	1111.80	F	60.31	F	1172.11	F
	98.09.15	1112.79	F	59.32	F	1172.11	F
	98.10.15	1113.06	F	59.05	F	1172.11	F
	98.11.16	1111.80	F	60.31	F	1172.11	F
	98.12.15	1111.49	F	60.62	F	1172.11	F
	99.01.15	1092.16	F	79.95	F	1172.11	F
	99.02.15	1112.01	F	60.10	F	1172.11	F
	99.03.15	1110.76	F	61.35	F	1172.11	F
	99.04.15	1109.66	F	62.45	F	1172.11	F
	99.05.14	1108.90	F	63.21	F	1172.11	F
	99.06.15	1107.77	F	64.34	F	1172.11	F
SIBW-43U	95.01.19	1125.24	F	50.12	F	1175.36	F
	95.02.15	1127.25	F	48.11	F	1175.36	F
	95.03.15	1134.79	F	40.57	F	1175.36	F
	95.04.17	1134.80	F	40.56	F	1175.36	F
	95.05.15	1132.94	F	42.42	F	1175.36	F
	95.06.16	1130.81	F	44.55	F	1175.36	F
	95.07.17	1129.32	F	46.04	F	1175.36	F
	95.08.15	1128.24	F	47.12	F	1175.36	F
	95.09.15	1128.79	F	46.57	F	1175.36	F
	95.10.16	1127.44	F	47.92	F	1175.36	F
	95.11.20	1126.26	F	49.10	F	1175.36	F
	95.12.18	1123.98	F	51.38	F	1175.36	F
	96.01.15	1121.82	F	53.54	F	1175.36	F

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-43U	96.02.19	1121.33	F	54.03	F	1175.36	F
	96.03.18	1121.21	F	54.15	F	1175.36	F
	96.04.15	1119.45	F	55.91	F	1175.36	F
	96.05.07	1118.99	F	56.37	F	1175.36	F
	96.06.20	1118.42	F	56.94	F	1175.36	F
	97.05.15	1112.24	F	63.12	F	1175.36	F
	97.06.16	1112.55	F	62.81	F	1175.36	F
	97.08.13	1113.61	F	61.75	F	1175.36	F
	97.09.15	1113.83	F	61.53	F	1175.36	F
	97.10.15	1113.23	F	62.13	F	1175.36	F
	97.11.14	1112.94	F	62.42	F	1175.36	F
	97.12.15	1114.15	F	61.21	F	1175.36	F
	98.01.15	1115.36	F	60.00	F	1175.36	F
	98.02.16	1119.77	F	55.59	F	1175.36	F
	98.03.16	1123.88	F	51.48	F	1175.36	F
	98.04.15	1126.86	F	48.50	F	1175.36	F
	98.05.18	1128.56	F	46.80	F	1175.36	F
	98.06.15	1127.81	F	47.55	F	1175.36	F
	98.07.15	1127.46	F	47.90	F	1175.36	F
	98.08.14	1127.00	F	48.36	F	1175.36	F
	98.09.15	1128.46	F	46.90	F	1175.36	F
	98.10.15	1128.15	F	47.21	F	1175.36	F
	98.11.16	1127.05	F	48.31	F	1175.36	F
	98.11.16	1113.13	F	62.23	F	1175.36	F
	98.12.15	1127.14	F	48.22	F	1175.36	F
	99.01.15	1127.36	F	48.00	F	1175.36	F
	99.02.15	1126.48	F	48.88	F	1175.36	F
	99.03.15	1125.51	F	49.85	F	1175.36	F
	99.04.15	1125.33	F	50.03	F	1175.36	F
	99.05.14	1124.86	F	50.50	F	1175.36	F
	99.06.15	1123.98	F	51.38	F	1175.36	F
SIBW-44U	95.01.19	1119.73	F	54.08	F	1173.81	F
	95.02.15	1122.13	F	51.68	F	1173.81	F
	95.03.15	1128.38	F	45.43	F	1173.81	F
	95.04.17	1129.60	F	44.21	F	1173.81	F
	95.05.15	1128.53	F	45.28	F	1173.81	F
	95.06.16	1126.39	F	47.42	F	1173.81	F
	95.07.17	1124.75	F	49.06	F	1173.81	F
	95.08.15	1123.77	F	50.04	F	1173.81	F
	95.09.15	1124.46	F	49.35	F	1173.81	F
	95.10.16	1123.84	F	49.97	F	1173.81	F
	95.11.20	1122.59	F	51.22	F	1173.81	F
	95.12.18	1120.78	F	53.03	F	1173.81	F
	96.01.15	1118.92	F	54.89	F	1173.81	F
	96.02.19	1118.12	F	55.69	F	1173.81	F
	96.03.18	1117.40	F	56.41	F	1173.81	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-44U	96.04.15	1115.42	F	58.39	F	1173.81	F
	96.05.07	1115.01	F	58.80	F	1173.81	F
	96.06.20	1114.42	F	59.39	F	1173.81	F
	97.05.15	1108.03	F	65.78	F	1173.81	F
	97.06.16	1107.92	F	65.89	F	1173.81	F
	97.08.13	1108.06	F	65.75	F	1173.81	F
	97.09.15	1108.94	F	64.87	F	1173.81	F
	97.10.15	1108.38	F	65.43	F	1173.81	F
	97.11.14	1108.01	F	65.80	F	1173.81	F
	97.12.15	1108.29	F	65.52	F	1173.81	F
	98.01.15	1109.42	F	64.39	F	1173.81	F
	98.02.16	1113.31	F	60.50	F	1173.81	F
	98.03.16	1117.77	F	56.04	F	1173.81	F
	98.04.15	1121.81	F	52.00	F	1173.81	F
	98.05.18	1123.42	F	50.39	F	1173.81	F
	98.06.15	1122.41	F	51.40	F	1173.81	F
	98.07.15	1121.91	F	51.90	F	1173.81	F
	98.08.14	1121.53	F	52.28	F	1173.81	F
	98.09.15	1122.81	F	51.00	F	1173.81	F
	98.10.15	1122.69	F	51.12	F	1173.81	F
	98.11.15	1121.62	F	52.19	F	1173.81	F
	98.11.16	1121.53	F	52.28	F	1173.81	F
	99.01.15	1122.14	F	51.67	F	1173.81	F
	99.02.15	1121.37	F	52.44	F	1173.81	F
	99.03.15	1119.93	F	53.88	F	1173.81	F
	99.04.15	1119.73	F	54.08	F	1173.81	F
	99.05.14	1119.02	F	54.79	F	1173.81	F
	99.06.15	1118.06	F	55.75	F	1173.81	F
SIBW-45U	95.01.19	1119.52	F	54.40	F	1173.92	F
	95.02.15	1121.95	F	51.97	F	1173.92	F
	95.03.15	1128.19	F	45.73	F	1173.92	F
	95.04.17	1129.39	F	44.53	F	1173.92	F
	95.05.15	1128.38	F	45.54	F	1173.92	F
	95.06.16	1126.46	F	47.46	F	1173.92	F
	95.07.17	1124.85	F	49.07	F	1173.92	F
	95.08.15	1123.85	F	50.07	F	1173.92	F
	95.09.15	1124.43	F	49.49	F	1173.92	F
	95.10.16	1123.92	F	50.00	F	1173.92	F
	95.11.20	1122.68	F	51.24	F	1173.92	F
	95.12.18	1120.87	F	53.05	F	1173.92	F
	96.01.15	1119.05	F	54.87	F	1173.92	F
	96.02.19	1118.27	F	55.65	F	1173.92	F
	96.03.18	1117.50	F	56.42	F	1173.92	F
	96.04.15	1115.54	F	58.38	F	1173.92	F
	96.05.07	1114.89	F	59.03	F	1173.92	F
	96.06.20	1114.27	F	59.65	F	1173.92	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-45U	97.05.15	1108.02	F	65.90	F	1173.92	F
	97.06.16	1107.88	F	66.04	F	1173.92	F
	97.08.13	1105.02	F	68.90	F	1173.92	F
	97.09.15	1108.87	F	65.05	F	1173.92	F
	97.10.15	1108.54	F	65.38	F	1173.92	F
	97.11.14	1108.05	F	65.87	F	1173.92	F
	97.12.15	1108.39	F	65.53	F	1173.92	F
	98.01.15	1109.42	F	64.50	F	1173.92	F
	98.02.16	1113.74	F	60.18	F	1173.92	F
	98.03.16	1118.31	F	55.61	F	1173.92	F
	98.04.15	1121.47	F	52.45	F	1173.92	F
	98.05.18	1123.28	F	50.64	F	1173.92	F
	98.06.15	1122.40	F	51.52	F	1173.92	F
	98.07.15	1121.91	F	52.01	F	1173.92	F
	98.08.14	1121.48	F	52.44	F	1173.92	F
	98.09.15	1122.90	F	51.02	F	1173.92	F
	98.10.15	1122.49	F	51.43	F	1173.92	F
	98.11.16	1121.74	F	52.18	F	1173.92	F
	98.12.15	1121.62	F	52.30	F	1173.92	F
	99.01.15	1122.08	F	51.84	F	1173.92	F
	99.02.15	1121.39	F	52.53	F	1173.92	F
	99.03.15	1119.97	F	53.95	F	1173.92	F
	99.04.15	1119.78	F	54.14	F	1173.92	F
	99.05.14	1119.02	F	54.90	F	1173.92	F
	99.06.15	1118.10	F	55.82	F	1173.92	F
SIBW-46U	95.01.19	1117.67	F	58.51	F	1176.18	F
	95.02.15	1120.38	F	55.80	F	1176.18	F
	95.03.15	1125.85	F	50.33	F	1176.18	F
	95.04.17	1127.48	F	48.70	F	1176.18	F
	95.05.15	1127.08	F	49.10	F	1176.18	F
	95.06.16	1126.39	F	49.79	F	1176.18	F
	95.07.17	1125.20	F	50.98	F	1176.18	F
	95.08.15	1124.40	F	51.78	F	1176.18	F
	95.09.15	1124.47	F	51.71	F	1176.18	F
	95.11.27	1122.35	F	53.83	F	1176.18	F
	95.12.18	1121.19	F	54.99	F	1176.18	F
	96.01.15	1119.41	F	56.77	F	1176.18	F
	96.02.19	1118.75	F	57.43	F	1176.18	F
	96.03.18	1118.23	F	57.95	F	1176.18	F
	96.04.15	1116.58	F	59.60	F	1176.18	F
	96.05.07	1116.08	F	60.10	F	1176.18	F
	96.06.20	1115.32	F	60.86	F	1176.18	F
	97.05.15	1109.23	F	66.95	F	1176.18	F
	97.06.16	1109.09	F	67.09	F	1176.18	F
	97.09.15	1109.71	F	66.47	F	1176.18	F
	97.10.15	1109.54	F	66.64	F	1176.18	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-46U	97.11.14	1109.30	F	66.88	F	1176.18	F
	97.12.15	1109.56	F	66.62	F	1176.18	F
	98.01.15	1110.46	F	65.72	F	1176.18	F
	98.02.16	1109.66	F	66.52	F	1176.18	F
	98.03.16	1116.52	F	59.66	F	1176.18	F
	98.04.15	1119.28	F	56.90	F	1176.18	F
	98.05.18	1121.69	F	54.49	F	1176.18	F
	98.06.15	1121.75	F	54.43	F	1176.18	F
	98.07.15	1121.72	F	54.46	F	1176.18	F
	98.08.14	1121.62	F	54.56	F	1176.18	F
	98.09.15	1122.77	F	53.41	F	1176.18	F
	98.10.15	1122.76	F	53.42	F	1176.18	F
	98.11.16	1121.88	F	54.30	F	1176.18	F
	98.12.15	1120.50	F	55.68	F	1176.18	F
	99.01.15	1121.88	F	54.30	F	1176.18	F
	99.02.15	1121.62	F	54.56	F	1176.18	F
	99.03.15	1119.95	F	56.23	F	1176.18	F
	99.04.15	1118.42	F	57.76	F	1176.18	F
	99.05.14	1118.23	F	57.95	F	1176.18	F
	99.06.15	1117.64	F	58.54	F	1176.18	F
SIBW-47U	95.01.19	1108.39	F	58.31	F	1166.70	F
	95.02.15	1110.31	F	56.39	F	1166.70	F
	95.03.15	1112.97	F	53.73	F	1166.70	F
	95.04.17	1114.54	F	52.16	F	1166.70	F
	95.05.15	1115.56	F	51.14	F	1166.70	F
	95.06.16	1115.45	F	51.25	F	1166.70	F
	95.07.17	1114.71	F	51.99	F	1166.70	F
	95.08.15	1114.06	F	52.64	F	1166.70	F
	95.09.15	1114.68	F	52.02	F	1166.70	F
	95.10.16	1114.95	F	51.75	F	1166.70	F
	95.11.27	1114.11	F	52.59	F	1166.70	F
	95.12.18	1113.67	F	53.03	F	1166.70	F
	96.01.15	1113.00	F	53.70	F	1166.70	F
	96.02.19	1111.89	F	54.81	F	1166.70	F
	96.03.18	1111.01	F	55.69	F	1166.70	F
	96.04.15	1108.73	F	57.97	F	1166.70	F
	96.05.07	1108.71	F	57.99	F	1166.70	F
	96.06.20	1107.71	F	58.99	F	1166.70	F
	97.05.15	1101.79	F	64.91	F	1166.70	F
	97.06.16	1101.06	F	65.64	F	1166.70	F
	97.08.13	1099.53	F	67.17	F	1166.70	F
	97.09.15	1101.12	F	65.58	F	1166.70	F
	97.10.15	1100.79	F	65.91	F	1166.70	F
	97.11.14	1099.91	F	66.79	F	1166.70	F
	97.12.15	1099.77	F	66.93	F	1166.70	F
	98.01.15	1100.19	F	66.51	F	1166.70	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
99.07.06 15:44:04

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-47U	98.02.16	1101.18	F	65.52	F	1166.70	F
	98.03.16	1104.65	F	62.05	F	1166.70	F
	98.04.15	1107.07	F	59.63	F	1166.70	F
	98.05.18	1109.41	F	57.29	F	1166.70	F
	98.06.15	1108.90	F	57.80	F	1166.70	F
	98.07.15	1108.98	F	57.72	F	1166.70	F
	98.08.14	1109.88	F	56.82	F	1166.70	F
	98.09.15	1110.40	F	56.30	F	1166.70	F
	98.10.15	1110.50	F	56.20	F	1166.70	F
	98.11.16	1108.95	F	57.75	F	1166.70	F
	98.12.15	1108.90	F	57.80	F	1166.70	F
	99.01.15	1109.49	F	57.21	F	1166.70	F
	99.02.15	1109.45	F	57.25	F	1166.70	F
	99.03.15	1107.45	F	59.25	F	1166.70	F
	99.04.15	1107.03	F	59.67	F	1166.70	F
	99.05.14	1106.09	F	60.61	F	1166.70	F
	99.06.15	1105.42	F	61.28	F	1166.70	F
SIBW-48U	95.01.19	1109.17	F	68.18	F	1177.35	F
	95.02.15	1111.72	F	65.63	F	1177.35	F
	95.03.15	1114.68	F	62.67	F	1177.35	F
	95.04.17	1117.04	F	60.31	F	1177.35	F
	95.05.15	1118.13	F	59.22	F	1177.35	F
	95.06.16	1118.14	F	59.21	F	1177.35	F
	95.07.17	1117.38	F	59.97	F	1177.35	F
	95.08.15	1116.69	F	60.66	F	1177.35	F
	95.09.15	1117.09	F	60.26	F	1177.35	F
	95.10.16	1117.11	F	60.24	F	1177.35	F
	95.11.27	1116.27	F	61.08	F	1177.35	F
	95.12.18	1115.56	F	61.79	F	1177.35	F
	96.01.15	1114.76	F	62.59	F	1177.35	F
	96.02.19	1114.35	F	63.00	F	1177.35	F
	96.02.19	1113.81	F	63.54	F	1177.35	F
	96.03.18	1112.68	F	64.67	F	1177.35	F
	96.04.15	1111.06	F	66.29	F	1177.35	F
	96.05.07	1110.65	F	66.70	F	1177.35	F
	96.06.20	1109.72	F	67.63	F	1177.35	F
	97.05.15	1103.94	F	73.41	F	1177.35	F
	97.06.16	1103.32	F	74.03	F	1177.35	F
	97.08.13	1101.85	F	75.50	F	1177.35	F
	97.09.15	1102.91	F	74.44	F	1177.35	F
	97.10.15	1103.07	F	74.28	F	1177.35	F
	97.11.14	1102.80	F	74.55	F	1177.35	F
	97.12.15	1102.39	F	74.96	F	1177.35	F
	98.01.15	1102.93	F	74.42	F	1177.35	F
	98.02.16	1103.96	F	73.39	F	1177.35	F
	98.03.16	1107.31	F	70.04	F	1177.35	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-48U	98.04.15	1109.81	F	67.54	F	1177.35	F
	98.05.18	1112.46	F	64.89	F	1177.35	F
	98.06.15	1112.97	F	64.38	F	1177.35	F
	98.07.15	1113.37	F	63.98	F	1177.35	F
	98.08.14	1113.25	F	64.10	F	1177.35	F
	98.09.15	1114.21	F	63.14	F	1177.35	F
	98.10.15	1114.60	F	62.75	F	1177.35	F
	98.11.16	1113.55	F	63.80	F	1177.35	F
	98.12.15	1113.12	F	64.23	F	1177.35	F
	99.01.15	1113.74	F	63.61	F	1177.35	F
	99.02.15	1113.68	F	63.67	F	1177.35	F
	99.03.15	1112.29	F	65.06	F	1177.35	F
	99.04.15	1111.20	F	66.15	F	1177.35	F
	99.05.14	1109.90	F	67.45	F	1177.35	F
	99.06.15	1109.18	F	68.17	F	1177.35	F
SIBW-49U	95.01.19	1110.69	F	76.79	F	1187.48	F
	95.02.15	1113.30	F	74.18	F	1187.48	F
	95.03.15	1116.65	F	70.83	F	1187.48	F
	95.04.17	1119.39	F	68.09	F	1187.48	F
	95.05.15	1120.65	F	66.83	F	1187.48	F
	95.06.16	1121.06	F	66.42	F	1187.48	F
	95.07.17	1120.59	F	66.89	F	1187.48	F
	95.08.15	1120.02	F	67.46	F	1187.48	F
	95.09.15	1119.73	F	67.75	F	1187.48	F
	95.10.16	1119.34	F	68.14	F	1187.48	F
	95.11.27	1118.24	F	69.24	F	1187.48	F
	95.12.18	1117.48	F	70.00	F	1187.48	F
	96.01.15	1116.52	F	70.96	F	1187.48	F
	96.02.19	1115.69	F	71.79	F	1187.48	F
	96.03.18	1115.45	F	72.03	F	1187.48	F
	96.04.15	1113.23	F	74.25	F	1187.48	F
	96.05.07	1113.05	F	74.43	F	1187.48	F
	96.06.20	1112.48	F	75.00	F	1187.48	F
	97.05.15	1106.19	F	81.29	F	1187.48	F
	97.06.16	1105.83	F	81.65	F	1187.48	F
	97.08.13	1104.54	F	82.94	F	1187.48	F
	97.09.15	1105.74	F	81.74	F	1187.48	F
	97.10.15	1106.00	F	81.48	F	1187.48	F
	97.11.14	1105.69	F	81.79	F	1187.48	F
	97.12.15	1105.70	F	81.78	F	1187.48	F
	98.01.15	1106.39	F	81.09	F	1187.48	F
	98.02.16	1107.08	F	80.40	F	1187.48	F
	98.03.16	1109.72	F	77.76	F	1187.48	F
	98.04.15	1111.93	F	75.55	F	1187.48	F
	98.05.18	1115.08	F	72.40	F	1187.48	F
	98.06.15	1115.98	F	71.50	F	1187.48	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-49U	98.07.15	1116.88	F	70.60	F	1187.48	F
	98.08.14	1117.18	F	70.30	F	1187.48	F
	98.09.15	1117.84	F	69.64	F	1187.48	F
	98.10.15	1118.57	F	68.91	F	1187.48	F
	98.11.16	1117.14	F	70.34	F	1187.48	F
	98.12.15	1117.08	F	70.40	F	1187.48	F
	99.01.15	1117.49	F	69.99	F	1187.48	F
	99.02.15	1117.28	F	70.20	F	1187.48	F
	99.03.15	1115.27	F	72.21	F	1187.48	F
	99.04.15	1114.08	F	73.40	F	1187.48	F
	99.05.14	1112.77	F	74.71	F	1187.48	F
	99.06.15	1112.07	F	75.41	F	1187.48	F
SIBW-50U	96.01.15	1121.62	F	56.48	F	1178.10	F
	96.02.23	1120.64	F	57.46	F	1178.10	F
	96.03.18	1120.72	F	57.38	F	1178.10	F
	96.05.07	1118.58	F	59.52	F	1178.10	F
	96.06.14	1117.78	F	60.32	F	1178.10	F
	96.07.16	1120.23	F	57.87	F	1178.10	F
	96.08.15	1119.78	F	58.32	F	1178.10	F
	96.09.13	1118.70	F	59.40	F	1178.10	F
	96.10.15	1118.20	F	59.90	F	1178.10	F
	97.01.15	1112.84	F	65.26	F	1178.10	F
	97.02.14	1112.70	F	65.40	F	1178.10	F
	97.03.14	1113.14	F	64.96	F	1178.10	F
	97.04.15	1111.80	F	66.30	F	1178.10	F
	97.05.15	1111.54	F	66.56	F	1178.10	F
	97.06.16	1111.25	F	66.85	F	1178.10	F
	97.07.07	1111.86	F	66.24	F	1178.10	F
	97.08.15	1112.35	F	65.75	F	1178.10	F
	97.09.25	1112.42	F	65.68	F	1178.10	F
SIBW-51U	96.01.15	1121.02	F	57.05	F	1178.07	F
	96.02.23	1119.95	F	58.12	F	1178.07	F
	96.03.18	1119.95	F	58.12	F	1178.07	F
	96.05.07	1117.76	F	60.31	F	1178.07	F
	96.06.14	1117.97	F	60.10	F	1178.07	F
	96.07.16	1118.37	F	59.70	F	1178.07	F
	96.08.15	1118.89	F	59.18	F	1178.07	F
	96.09.13	1118.65	F	59.42	F	1178.07	F
	96.10.15	1117.29	F	60.78	F	1178.07	F
	97.01.15	1111.87	F	66.20	F	1178.07	F
	97.02.14	1111.94	F	66.13	F	1178.07	F
	97.03.14	1112.31	F	65.76	F	1178.07	F
	97.04.15	1110.95	F	67.12	F	1178.07	F
	97.05.15	1110.58	F	67.49	F	1178.07	F
	97.06.16	1110.11	F	67.96	F	1178.07	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-51U	97.07.07	1110.75	F	67.32	F	1178.07	F
	97.08.15	1111.16	F	66.91	F	1178.07	F
	97.09.25	1111.23	F	66.84	F	1178.07	F
SIBW-52U	96.01.15	1120.46	F	57.02	F	1177.48	F
	96.02.23	1119.40	F	58.08	F	1177.48	F
	96.03.18	1119.38	F	58.10	F	1177.48	F
	96.05.07	1117.16	F	60.32	F	1177.48	F
	96.06.14	1116.38	F	61.10	F	1177.48	F
	96.07.16	1117.78	F	59.70	F	1177.48	F
	96.08.15	1118.11	F	59.37	F	1177.48	F
	96.09.13	1117.85	F	59.63	F	1177.48	F
	96.10.15	1116.62	F	60.86	F	1177.48	F
	97.01.15	1111.56	F	65.92	F	1177.48	F
	97.02.14	1111.48	F	66.00	F	1177.48	F
	97.03.14	1111.74	F	65.74	F	1177.48	F
	97.04.15	1110.40	F	67.08	F	1177.48	F
	97.05.15	1110.00	F	67.48	F	1177.48	F
	97.06.16	1109.55	F	67.93	F	1177.48	F
	97.07.07	1109.98	F	67.50	F	1177.48	F
	97.08.15	1110.42	F	67.06	F	1177.48	F
	97.09.15	1110.64	F	66.84	F	1177.48	F
SIBW-53U	96.01.15	1120.42	F	57.42	F	1177.84	F
	96.02.23	1119.42	F	58.42	F	1177.84	F
	96.03.18	1119.34	F	58.50	F	1177.84	F
	96.05.07	1117.12	F	60.72	F	1177.84	F
	96.06.14	1116.34	F	61.50	F	1177.84	F
	96.07.16	1117.64	F	60.20	F	1177.84	F
	96.08.15	1118.58	F	59.26	F	1177.84	F
	96.09.13	1117.76	F	60.08	F	1177.84	F
	96.10.15	1116.56	F	61.28	F	1177.84	F
	97.01.15	1111.54	F	66.30	F	1177.84	F
	97.02.14	1111.46	F	66.38	F	1177.84	F
	97.03.14	1111.74	F	66.10	F	1177.84	F
	97.04.15	1110.36	F	67.48	F	1177.84	F
	97.05.15	1109.94	F	67.90	F	1177.84	F
	97.06.16	1109.56	F	68.28	F	1177.84	F
	97.07.07	1109.92	F	67.92	F	1177.84	F
	97.08.15	1110.30	F	67.54	F	1177.84	F
	97.09.25	1110.62	F	67.22	F	1177.84	F
SIBW-54MB	95.01.19	1098.48	F	70.35	F	1168.83	F
	95.02.15	1101.90	F	66.93	F	1168.83	F
	95.03.15	1106.19	F	62.64	F	1168.83	F
	95.04.17	1107.59	F	61.24	F	1168.83	F
	95.05.15	1107.95	F	60.88	F	1168.83	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-54MB	95.06.16	1106.75	F	62.08	F	1168.83	F
	95.07.17	1103.05	F	65.78	F	1168.83	F
	95.08.15	1082.85	F	85.98	F	1168.83	F
	95.09.15	1103.16	F	65.67	F	1168.83	F
	95.10.16	1104.93	F	63.90	F	1168.83	F
	95.11.27	1103.94	F	64.89	F	1168.83	F
	95.12.18	1103.72	F	65.11	F	1168.83	F
	96.01.15	1102.94	F	65.89	F	1168.83	F
	96.02.19	1102.08	F	66.75	F	1168.83	F
	96.03.18	1100.48	F	68.35	F	1168.83	F
	96.04.15	1091.42	F	77.41	F	1168.83	F
	96.05.07	1095.62	F	73.21	F	1168.83	F
	96.06.20	1093.82	F	75.01	F	1168.83	F
	97.05.15	1085.34	F	83.49	F	1168.83	F
	97.06.16	1084.44	F	84.39	F	1168.83	F
	97.08.13	1081.99	F	86.84	F	1168.83	F
	97.09.15	1086.41	F	82.42	F	1168.83	F
	97.10.15	1088.14	F	80.69	F	1168.83	F
	97.11.14	1085.09	F	83.74	F	1168.83	F
	97.12.15	1088.04	F	80.79	F	1168.83	F
	98.01.15	1089.92	F	78.91	F	1168.83	F
	98.02.16	1093.47	F	75.36	F	1168.83	F
	98.03.16	1097.63	F	71.20	F	1168.83	F
	98.04.15	1102.18	F	66.65	F	1168.83	F
	98.05.18	1102.06	F	66.77	F	1168.83	F
	98.06.15	1101.61	F	67.22	F	1168.83	F
	98.07.15	1097.60	F	71.23	F	1168.83	F
	98.08.14	1098.76	F	70.07	F	1168.83	F
	98.09.15	1099.95	F	68.88	F	1168.83	F
	98.10.15	1099.25	F	69.58	F	1168.83	F
	98.11.16	1091.87	F	76.96	F	1168.83	F
	98.12.15	1097.69	F	71.14	F	1168.83	F
	99.01.15	1099.35	F	69.48	F	1168.83	F
	99.02.15	1098.85	F	69.98	F	1168.83	F
	99.03.15	1091.21	F	77.62	F	1168.83	F
	99.04.15	1087.33	F	81.50	F	1168.83	F
	99.05.14	1084.85	F	83.98	F	1168.83	F
	99.06.15	1082.35	F	86.48	F	1168.83	F
SIBW-55MC	95.01.19	1080.17	F	101.35	F	1181.52	F
	95.02.15	1083.75	F	97.77	F	1181.52	F
	95.04.17	1091.45	F	90.07	F	1181.52	F
	95.05.15	1091.89	F	89.63	F	1181.52	F
	95.06.16	1091.17	F	90.35	F	1181.52	F
	95.07.17	1088.28	F	93.24	F	1181.52	F
	95.08.15	1087.39	F	94.13	F	1181.52	F
	95.09.15	1086.86	F	94.66	F	1181.52	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-55MC	95.10.16	1089.09	F	92.43	F	1181.52	F
	95.11.20	1088.48	F	93.04	F	1181.52	F
	95.12.18	1089.96	F	91.56	F	1181.52	F
	96.01.15	1090.10	F	91.42	F	1181.52	F
	96.02.19	1089.90	F	91.62	F	1181.52	F
	96.03.18	1087.98	F	93.54	F	1181.52	F
	96.04.15	1068.54	F	112.98	F	1181.52	F
	96.05.07	1079.01	F	102.51	F	1181.52	F
	96.06.20	1077.71	F	103.81	F	1181.52	F
	97.05.15	1069.11	F	112.41	F	1181.52	F
	97.06.16	1066.17	F	115.35	F	1181.52	F
	97.08.13	1062.69	F	118.83	F	1181.52	F
	97.09.15	1070.46	F	111.06	F	1181.52	F
	97.10.15	1073.84	F	107.68	F	1181.52	F
	97.11.14	1068.73	F	112.79	F	1181.52	F
	97.12.15	1076.55	F	104.97	F	1181.52	F
	98.01.15	1079.52	F	102.00	F	1181.52	F
	98.02.16	1083.42	F	98.10	F	1181.52	F
	98.03.16	1104.83	F	76.69	F	1181.52	F
	98.04.15	1091.24	F	90.28	F	1181.52	F
	98.05.18	1091.42	F	90.10	F	1181.52	F
	98.06.15	1091.31	F	90.21	F	1181.52	F
	98.07.15	1087.26	F	94.26	F	1181.52	F
	98.08.14	1082.72	F	98.80	F	1181.52	F
	98.09.15	1087.32	F	94.20	F	1181.52	F
	98.10.15	1085.52	F	96.00	F	1181.52	F
	98.11.16	1072.66	F	108.86	F	1181.52	F
	98.12.15	1086.32	F	95.20	F	1181.52	F
	99.01.15	1089.97	F	91.55	F	1181.52	F
	99.02.15	1087.63	F	93.89	F	1181.52	F
	99.03.15	1071.72	F	109.80	F	1181.52	F
	99.04.15	1065.08	F	116.44	F	1181.52	F
	99.05.14	1055.69	F	125.83	F	1181.52	F
	99.06.15	1054.76	F	126.76	F	1181.52	F
SIBW-56MC	95.01.19	1084.19	F	102.80	F	1186.99	F
	95.02.15	1086.92	F	100.07	F	1186.99	F
	95.03.15	1089.89	F	97.10	F	1186.99	F
	95.04.17	1093.13	F	93.86	F	1186.99	F
	95.05.15	1093.67	F	93.32	F	1186.99	F
	95.06.16	1092.87	F	94.12	F	1186.99	F
	95.07.17	1089.70	F	97.29	F	1186.99	F
	95.08.15	1088.39	F	98.60	F	1186.99	F
	95.09.15	1087.99	F	99.00	F	1186.99	F
	95.10.16	1090.05	F	96.94	F	1186.99	F
	95.11.27	1089.95	F	97.04	F	1186.99	F
	95.12.18	1090.08	F	96.91	F	1186.99	F

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TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-56MC	96.01.15	1090.06	F	96.93	F	1186.99	
	96.02.19	1089.55	F	97.44	F	1186.99	F
	96.03.18	1087.76	F	99.23	F	1186.99	
	96.04.15	1069.90	F	117.09	F	1186.99	
	96.05.07	1078.94	F	108.05	F	1186.99	F
	96.06.20	1087.07	F	99.92	F	1186.99	F
	97.05.15	1068.01	F	118.98	F	1186.99	
	97.06.16	1065.30	F	121.69	F	1186.99	
	97.10.15	1073.90	F	113.09	F	1186.99	F
	97.11.14	1067.40	F	119.59	F	1186.99	
	97.12.15	1074.12	F	112.87	F	1186.99	
	98.01.15	1077.67	F	109.32	F	1186.99	F
	98.02.16	1081.48	F	105.51	F	1186.99	F
	98.03.16	1086.27	F	100.72	F	1186.99	
	98.04.15	1088.35	F	98.64	F	1186.99	
	98.05.18	1090.65	F	96.34	F	1186.99	F
	98.06.15	1090.47	F	96.52	F	1186.99	
	98.07.15	1084.81	F	102.18	F	1186.99	
	98.08.14	1086.59	F	100.40	F	1186.99	F
	98.09.15	1087.49	F	99.50	F	1186.99	F
	98.10.15	1084.64	F	102.35	F	1186.99	
	98.11.16	1069.74	F	117.25	F	1186.99	
	98.12.15	1083.04	F	103.95	F	1186.99	F
	98.12.15	1083.04	F	103.95	F	1186.99	
	99.01.15	1087.04	F	99.95	F	1186.99	
	99.02.15	1084.71	F	102.28	F	1186.99	F
	99.03.15	1070.03	F	116.96	F	1186.99	F
	99.04.15	1058.89	F	128.10	F	1186.99	
	99.05.14	1051.66	F	135.33	F	1186.99	F
	99.06.15	1050.20	F	136.79	F	1186.99	F
SIBW-57MC	95.01.19	1081.89	F	105.71	F	1187.60	
	95.02.15	1084.94	F	102.66	F	1187.60	F
	95.03.15	1088.50	F	99.10	F	1187.60	
	95.04.17	1091.80	F	95.80	F	1187.60	
	95.05.15	1092.42	F	95.18	F	1187.60	F
	95.06.16	1091.60	F	96.00	F	1187.60	F
	95.07.17	1088.47	F	99.13	F	1187.60	
	95.08.15	1087.03	F	100.57	F	1187.60	
	95.09.15	1086.71	F	100.89	F	1187.60	F
	95.10.16	1088.75	F	98.85	F	1187.60	
	95.11.27	1089.19	F	98.41	F	1187.60	
	95.12.18	1089.14	F	98.46	F	1187.60	F
	96.01.15	1089.26	F	98.34	F	1187.60	F
	96.02.19	1088.87	F	98.73	F	1187.60	
	96.03.18	1086.83	F	100.77	F	1187.60	
	96.04.15	1068.59	F	119.01	F	1187.60	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-57MC	96.05.07	1077.39	F	110.21	F	1187.60	F
	96.06.20	1076.68	F	110.92	F	1187.60	F
	97.05.15	1067.94	F	119.66	F	1187.60	F
	97.06.16	1064.49	F	123.11	F	1187.60	F
	97.08.13	1060.80	F	126.80	F	1187.60	F
	97.09.15	1069.02	F	118.58	F	1187.60	F
	97.10.15	1071.99	F	115.61	F	1187.60	F
	97.11.14	1066.81	F	120.79	F	1187.60	F
	97.12.15	1073.75	F	113.85	F	1187.60	F
	98.01.15	1076.83	F	110.77	F	1187.60	F
	98.02.16	1080.96	F	106.64	F	1187.60	F
	98.03.16	1084.86	F	102.74	F	1187.60	F
	98.04.15	1089.02	F	98.58	F	1187.60	F
	98.05.18	1088.22	F	99.38	F	1187.60	F
	98.06.15	1089.20	F	98.40	F	1187.60	F
	98.07.15	1084.50	F	103.10	F	1187.60	F
	98.08.14	1085.16	F	102.44	F	1187.60	F
	98.09.15	1085.05	F	102.55	F	1187.60	F
	98.10.15	1082.25	F	105.35	F	1187.60	F
	98.11.16	1064.42	F	123.18	F	1187.60	F
	98.12.15	1082.79	F	104.81	F	1187.60	F
	98.12.15	1082.79	F	104.81	F	1187.60	F
	99.01.15	1086.74	F	100.86	F	1187.60	F
	99.02.15	1084.05	F	103.55	F	1187.60	F
	99.03.15	1069.50	F	118.10	F	1187.60	F
	99.04.15	1059.98	F	127.62	F	1187.60	F
	99.05.14	1048.19	F	139.41	F	1187.60	F
	99.06.15	1050.46	F	137.14	F	1187.60	F
SIBW-58MC	95.01.19	1081.36	F	97.91	F	1179.27	F
	95.02.15	1085.39	F	93.88	F	1179.27	F
	95.03.15	1089.24	F	90.03	F	1179.27	F
	95.04.17	1092.18	F	87.09	F	1179.27	F
	95.05.15	1092.56	F	86.71	F	1179.27	F
	95.06.16	1091.69	F	87.58	F	1179.27	F
	95.07.17	1088.40	F	90.87	F	1179.27	F
	95.08.15	1087.15	F	92.12	F	1179.27	F
	95.09.15	1086.59	F	92.68	F	1179.27	F
	95.10.16	1088.83	F	90.44	F	1179.27	F
	95.11.27	1089.42	F	89.85	F	1179.27	F
	95.12.18	1089.16	F	90.11	F	1179.27	F
	96.01.15	1089.07	F	90.20	F	1179.27	F
	96.02.19	1088.62	F	90.65	F	1179.27	F
	96.03.18	1086.39	F	92.88	F	1179.27	F
	96.04.15	1069.97	F	109.30	F	1179.27	F
	96.05.07	1077.88	F	101.39	F	1179.27	F
	96.06.20	1076.25	F	103.02	F	1179.27	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
SIBW-58MC	97.05.15	1068.38	F	110.89	F	1179.27	F
	97.06.16	1065.07	F	114.20	F	1179.27	F
	97.08.13	1061.44	F	117.83	F	1179.27	F
	97.10.15	1071.78	F	107.49	F	1179.27	F
	97.11.14	1067.37	F	111.90	F	1179.27	F
	97.12.15	1073.14	F	106.13	F	1179.27	F
	98.01.15	1075.96	F	103.31	F	1179.27	F
	98.02.16	1080.14	F	99.13	F	1179.27	F
	98.03.16	1084.06	F	95.21	F	1179.27	F
	98.04.15	1088.47	F	90.80	F	1179.27	F
	98.05.18	1088.23	F	91.04	F	1179.27	F
	98.06.15	1087.62	F	91.65	F	1179.27	F
	98.07.15	1082.77	F	96.50	F	1179.27	F
	98.08.14	1083.47	F	95.80	F	1179.27	F
	98.09.15	1082.47	F	96.80	F	1179.27	F
	98.10.15	1081.72	F	97.55	F	1179.27	F
	98.11.16	1068.42	F	110.85	F	1179.27	F
	98.12.15	1081.61	F	97.66	F	1179.27	F
	99.01.15	1085.58	F	93.69	F	1179.27	F
	99.03.15	1070.72	F	108.55	F	1179.27	F
	99.04.15	1062.79	F	116.48	F	1179.27	F
	99.05.14	1054.78	F	124.49	F	1179.27	F
	99.06.15	1053.22	F	126.05	F	1179.27	F
WMW-3	95.01.19	1136.11	F	40.24	F	1176.35	F
	95.02.15	1149.01	F	27.34	F	1176.35	F
	95.03.15	1146.93	F	29.42	F	1176.35	F
	95.04.17	1143.33	F	33.02	F	1176.35	F
	95.05.15	1138.17	F	38.18	F	1176.35	F
	95.06.16	1135.73	F	40.62	F	1176.35	F
	95.07.17	1134.62	F	41.73	F	1176.35	F
	95.08.15	1133.68	F	42.67	F	1176.35	F
	95.09.15	1133.46	F	42.89	F	1176.35	F
	95.10.16	1131.05	F	45.30	F	1176.35	F
	95.11.27	1129.34	F	47.01	F	1176.35	F
	95.12.18	1127.10	F	49.25	F	1176.35	F
	96.01.15	1124.41	F	51.94	F	1176.35	F
	96.02.19	1124.80	F	51.55	F	1176.35	F
	96.03.18	1126.67	F	49.68	F	1176.35	F
	96.04.15	1124.57	F	51.78	F	1176.35	F
	96.05.07	1123.35	F	53.00	F	1176.35	F
	96.06.20	1123.81	F	52.54	F	1176.35	F
	97.05.15	1116.63	F	59.72	F	1176.35	F
	97.06.16	1118.15	F	58.20	F	1176.35	F
	97.09.15	1120.00	F	56.35	F	1176.35	F
	97.10.15	1119.16	F	57.19	F	1176.35	F
	97.11.14	1118.71	F	57.64	F	1176.35	F

REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
WMW-3	97.12.15	1123.24	F	53.11	F	1176.35	F
	98.01.15	1124.88	F	51.47	F	1176.35	F
	98.02.16	1133.17	F	43.18	F	1176.35	F
	98.03.16	1135.96	F	40.39	F	1176.35	F
	98.04.15	1139.42	F	36.93	F	1176.35	F
	98.05.18	1138.72	F	37.63	F	1176.35	F
	98.06.15	1137.57	F	38.78	F	1176.35	F
	98.07.15	1137.40	F	38.95	F	1176.35	F
	98.08.14	1136.99	F	39.36	F	1176.35	F
	98.09.15	1137.85	F	38.50	F	1176.35	F
	98.10.15	1136.92	F	39.43	F	1176.35	F
	98.11.16	1136.25	F	40.10	F	1176.35	F
	98.12.15	1137.21	F	39.14	F	1176.35	F
	99.01.15	1137.15	F	39.20	F	1176.35	F
	99.02.15	1135.43	F	40.92	F	1176.35	F
	99.03.15	1135.50	F	40.85	F	1176.35	F
	99.04.15	1135.90	F	40.45	F	1176.35	F
	99.05.14	1136.25	F	40.10	F	1176.35	F
	99.06.15	1135.27	F	41.08	F	1176.35	F
WMW-4	95.01.19	1135.53	F	29.24	F	1164.77	F
	95.02.15	1139.32	F	25.45	F	1164.77	F
	95.03.15	1146.00	F	18.77	F	1164.77	F
	95.04.17	1142.81	F	21.96	F	1164.77	F
	95.05.15	1138.00	F	26.77	F	1164.77	F
	95.06.16	1135.35	F	29.42	F	1164.77	F
	95.07.17	1133.97	F	30.80	F	1164.77	F
	95.08.15	1132.54	F	32.23	F	1164.77	F
	95.09.15	1132.86	F	31.91	F	1164.77	F
	95.11.20	1129.38	F	37.15	F	1166.53	F
	95.12.18	1126.70	F	39.83	F	1166.53	F
	96.01.15	1123.89	F	42.64	F	1166.53	F
	96.02.19	1123.75	F	42.78	F	1166.53	F
	96.03.18	1125.01	F	41.52	F	1166.53	F
	96.05.07	1121.91	F	44.62	F	1166.53	F
	96.06.20	1122.24	F	44.29	F	1166.53	F
	97.05.15	1114.96	F	51.57	F	1166.53	F
	97.06.16	1116.02	F	50.51	F	1166.53	F
	97.08.13	1120.03	F	46.50	F	1166.53	F
	97.09.15	1123.20	F	43.33	F	1166.53	F
	97.10.15	1117.30	F	49.23	F	1166.53	F
	97.11.14	1116.83	F	49.70	F	1166.53	F
	97.12.15	1121.05	F	45.48	F	1166.53	F
	98.01.15	1122.70	F	43.83	F	1166.53	F
	98.02.16	1133.51	F	33.02	F	1166.53	F
	98.03.16	1136.01	F	30.52	F	1166.53	F
	98.04.15	1139.83	F	26.70	F	1166.53	F

TDM II
TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT
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REPORTING VALUES BETWEEN 95.01.01 AND 99.07.06, INCLUSIVE

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD		WATER LEVEL W.R.T. Z CD.		Z COORDINATE	
WMW-4	98.05.18	1138.49	F	28.04	F	1166.53	F
	98.06.15	1137.77	F	28.76	F	1166.53	F
	98.07.15	1136.91	F	29.62	F	1166.53	F
	98.08.14	1136.43	F	30.10	F	1166.53	F
	98.09.15	1137.83	F	28.70	F	1166.53	F
	98.10.15	1135.48	F	31.05	F	1166.53	F
	98.11.16	1134.59	F	31.94	F	1166.53	F
	98.12.15	1136.41	F	30.12	F	1166.53	F
	99.01.15	1136.42	F	30.11	F	1166.53	F
	99.02.15	1133.85	F	32.68	F	1166.53	F
	99.03.15	1134.83	F	31.70	F	1166.53	F
	99.04.15	1135.31	F	31.22	F	1166.53	F
	99.05.14	1135.91	F	30.62	F	1166.53	F
	99.06.15	1134.35	F	32.18	F	1166.53	F

TECHNICAL DATA MANAGEMENT SYSTEM

WATER LEVELS REPORT

STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD	WATER LEVEL W.R.T. Z CD.
WMW-3	88.10.01	1110.35	66 F
	89.04.14	1097.66	78.69 F
	89.05.24	1097.42	78.93 F
	89.06.20	1096.57	79.78 F
	89.07.13	1096.27	80.08 F
	89.09.20	1096.55	79.8 F
	89.10.19	1095.77	80.58 F
	89.11.17	1094.8	81.55 F
	90.03.02	1093.43	82.92 F
	90.03.19	1092.85	83.5 F
	90.04.16	1091.75	84.6 F
	90.05.30	1089.4	86.95 F
	90.06.16	1088.8	87.55 F
	90.07.23	1086.86	89.49 F
	90.08.13	1086.26	90.09 F
	90.09.25	1087.86	88.49 F
	90.11.08	1086.36	89.99 F
	90.12.10	1084.97	91.38 F
	91.02.25	1084.62	91.73 F
	91.03.27	1113.88	62.47 F
	91.04.04	1137.54	38.81 F
	91.04.11	1137.01	39.34 F
	91.04.15	1134.2	42.15 F
	91.04.17	1134.4	41.95 F
	91.04.24	1133.55	42.8 F
	91.05.09	1128	48.35 F
	91.06.07	1116.02	60.33 F
	91.06.14	1113.64	62.71 F
	91.06.20	1112.01	64.34 F
	91.07.12	1107	69.35 F
	92.02.11	1140.53	35.82 F
	92.03.10	1145.35	31 F
	92.05.12	1145.9	30.45 F
	92.07.14	1142.89	33.46 F
	92.08.10	1142.38	33.97 F
	92.09.10	1146.11	30.24 F
	92.10.12	1140.09	36.26 F
	92.12.10	1131.66	44.69 F
	93.02.04	1149.56	26.79 F
	93.03.05	1150.83	25.52 F
	93.03.30	1148.7	27.65 F
	93.04.29	1147.81	28.54 F
	93.05.27	1148.2	28.15 F
	93.06.30	1142.58	33.77 F
	93.07.28	1137.82	38.53 F
	93.08.13	1136.22	40.13 F
	93.09.15	1135.14	41.21 F
	93.10.15	1133.5	42.85 F
	93.11.19	1135.91	40.44 F
	93.12.17	1131.13	45.22 F
	94.01.14	1118.83	57.52 F
	94.02.15	1127.92	48.43 F
	94.03.15	1126.31	50.04 F

TECHNICAL DATA MANAGEMENT SYSTEM

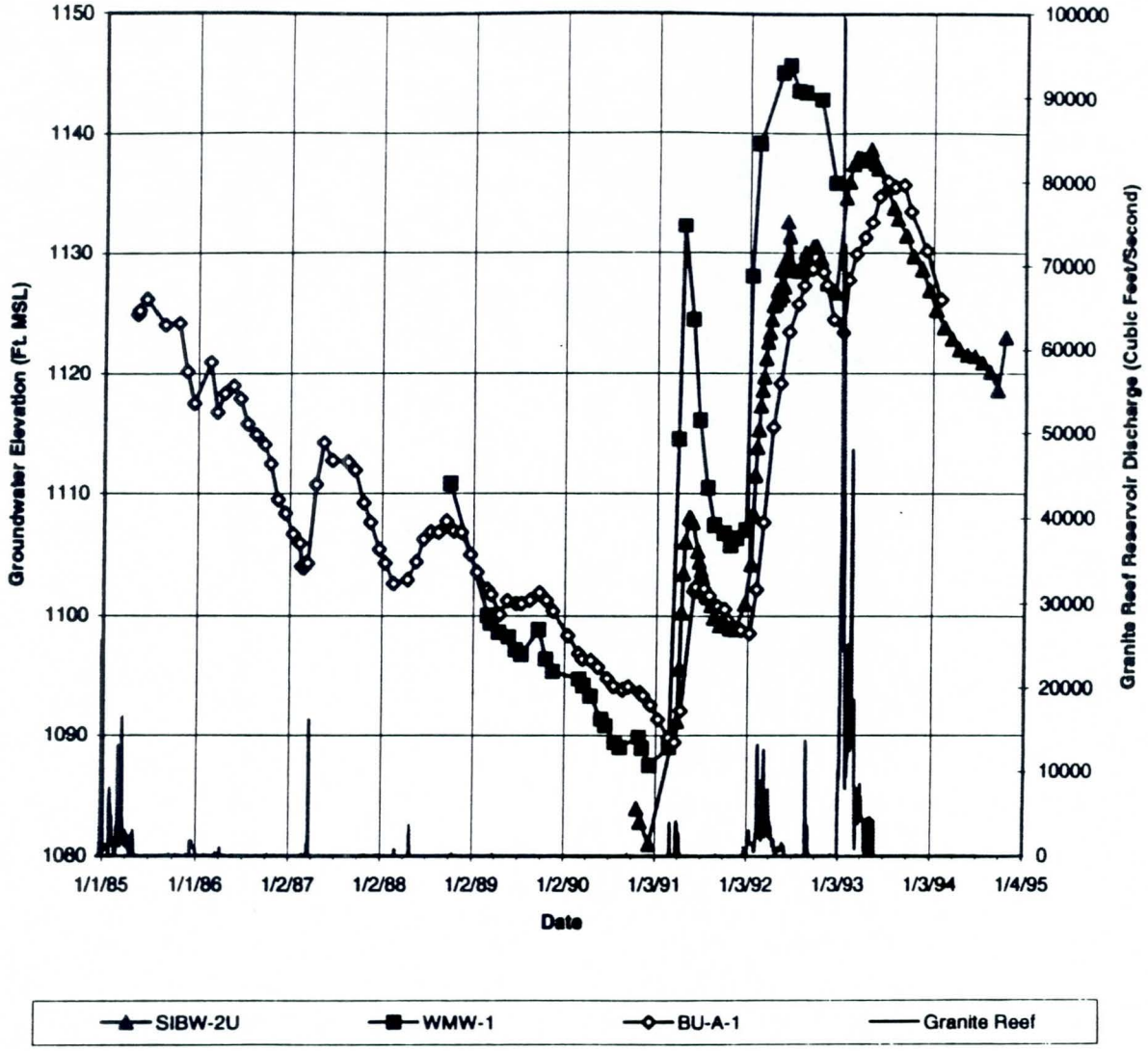
WATER LEVELS REPORT

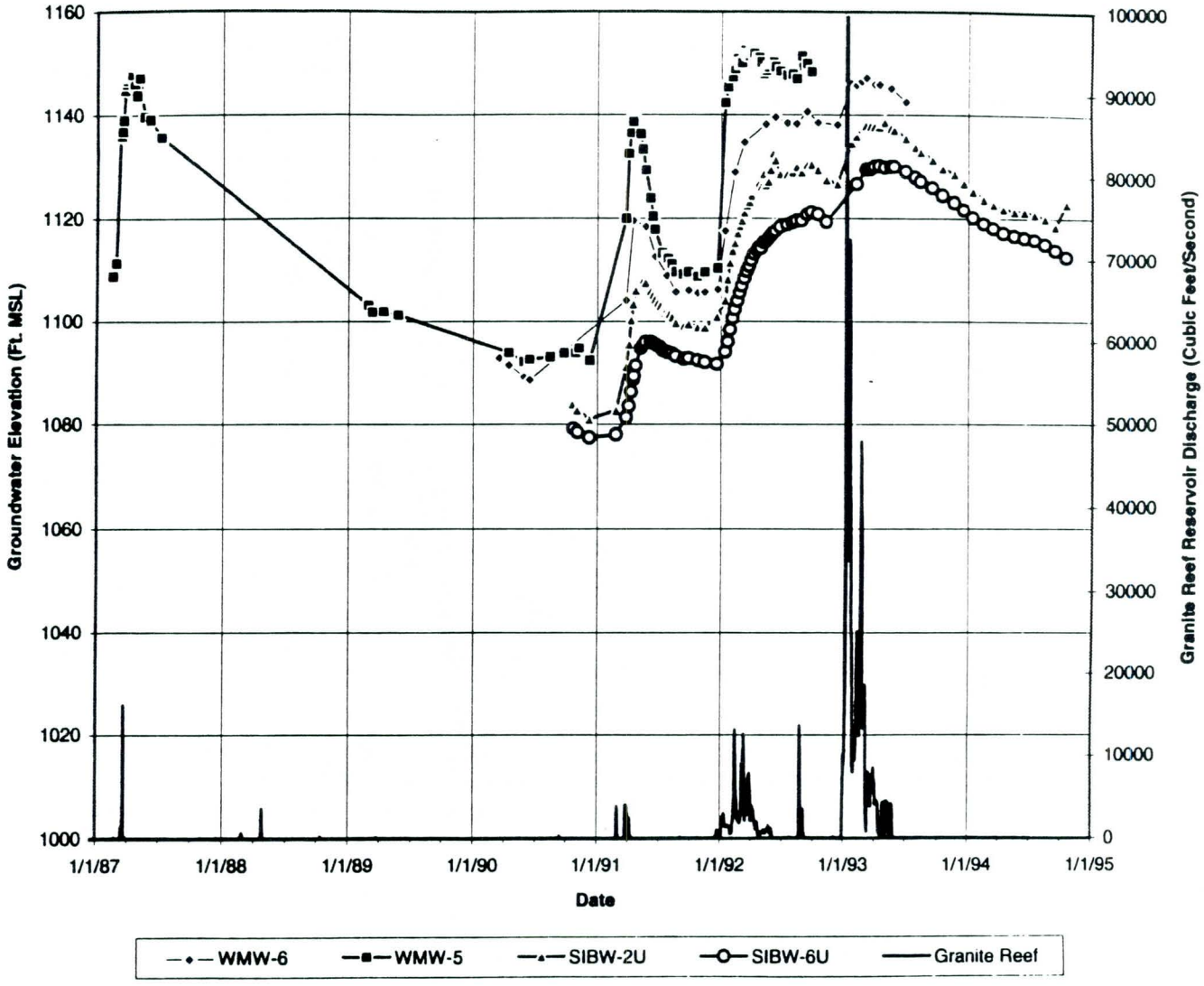
STATION	SAMPLE DATE	WATER LEVEL W.R.T. NGVD	WATER LEVEL W.R.T. Z CD.
WMW-3	94.04.14	1126.9	49.45 F
	94.05.16	1125.94	50.41 F
	94.06.15	1125.41	50.94 F
	94.07.15	1125.41	50.94 F
	94.08.16	1124.1	52.25 F
	94.09.15	1124.37	51.98 F
	94.10.17	1123.63	52.72 F
	94.11.15	1122.73	53.62 F
	94.12.15	1123.17	53.18 F
	95.01.19	1136.11	40.24 F
	95.02.15	1149.01	27.34 F
	95.03.15	1146.93	29.42 F
	95.04.17	1143.33	33.02 F
	95.05.15	1138.17	38.18 F
	95.06.16	1135.73	40.62 F
	95.07.17	1134.62	41.73 F
	95.08.15	1133.68	42.67 F
	95.09.15	1133.46	42.89 F
	95.10.16	1131.05	45.3 F
	95.11.27	1129.34	47.01 F
	95.12.18	1127.1	49.25 F
	96.01.15	1124.41	51.94 F
	96.02.19	1124.8	51.55 F
	96.03.18	1126.67	49.68 F
	96.04.15	1124.57	51.78 F
	96.05.07	1123.35	53 F
	96.06.20	1123.81	52.54 F

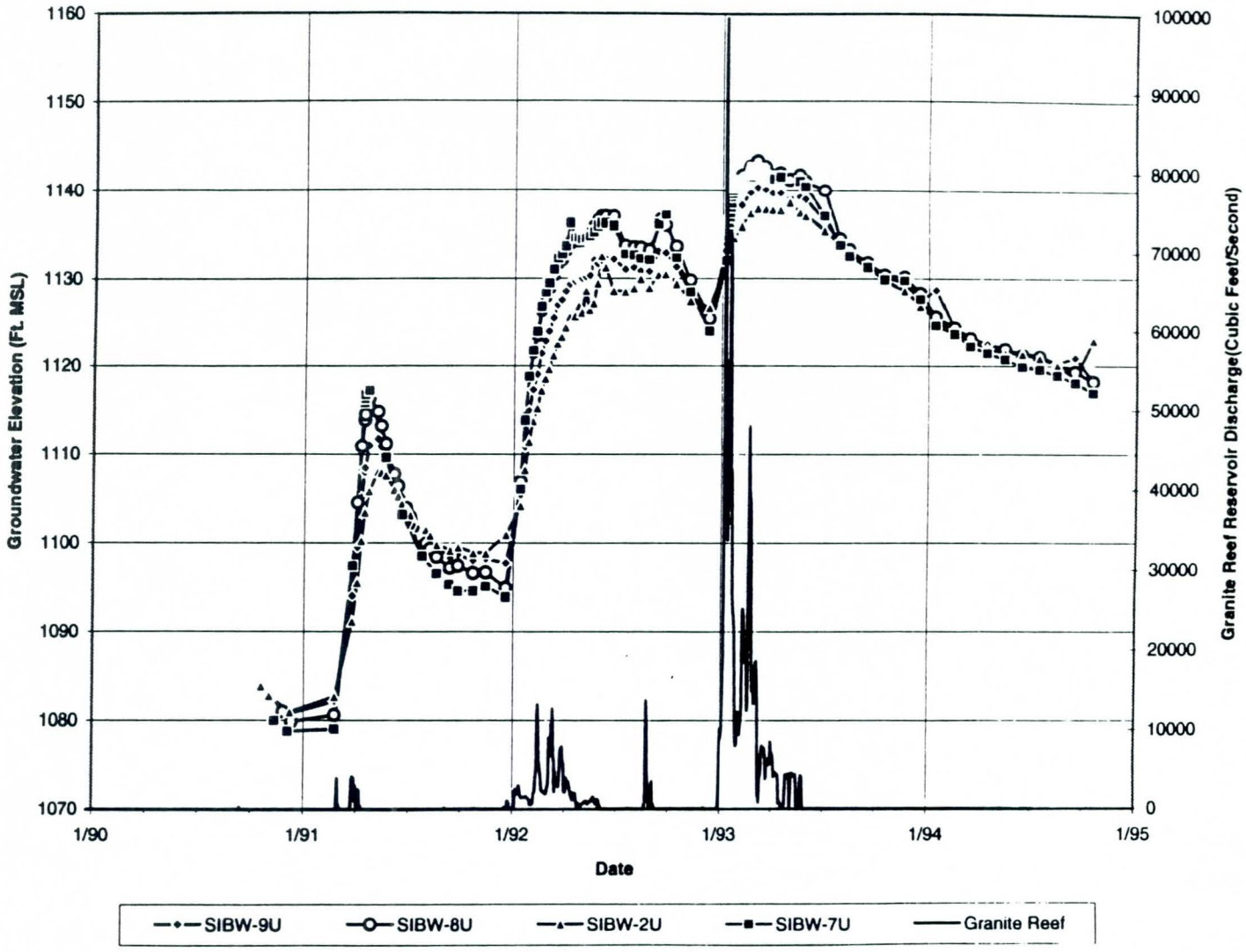
INFORMATION FOR WATER-LEVEL REPORT PRINTOUT FOR SOUTH INDIAN BEND WASH BY CH_2M HILL (8/3/94, 5/31/96, 12/19/96,and 7/6/99)

SOUTH INDIAN BEND WASH
WATER-LEVEL HYDROGRAPHS

INFORMATION FROM FEBRUARY 1995 DRAFT INDIAN BEND WASH-SOUTH FINAL RI, CH_2M HILL.


1150
1140
1130
1120
1110
1100
1090
1080
Groundwater Elevation (Ft. MSL)
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Granite Reef Reservoir Discharge (Cubic Feet/Second)
1/1/85
1/1/86
1/2/87
1/2/88
1/2/89
1/2/90
1/3/91
1/3/92
1/3/93
1/3/94
1/4/95
Date
SIBW-2U
WMW-1
BU-A-1
Granite Reef


Groundwater Elevation (Ft. MSL)
Granite Reef Reservoir Discharge (Cubic Feet/Second)
Date
1160
1140
1120
1100
1080
1060
1040
1020
1000
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
1/1/87
1/1/88
1/1/89
1/1/90
1/1/91
1/1/92
1/1/93
1/1/94
1/1/95
WMW-6
WMW-5
SIBW-2U
SIBW-6U
Granite Reef


1160
1150
1140
1130
1120
1110
1100
1090
1080
1070
Groundwater Elevation (Ft. MSL)
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Granite Reef Reservoir Discharge(Cubic Feet/Second)
1/90
1/91
1/92
1/93
1/94
1/95
Date
SIBW-9U
SIBW-8U
SIBW-2U
SIBW-7U
Granite Reef

WELL (A-1-5)7baa
WATER-LEVEL MEASUREMENTS

WATER-LEVEL MEASUREMENTS FOR WELL (A-1-5)7baa

DATE	Depth to Water (feet)
2/23/72	127.20
3/14/72	118.40
8/31/72	155.70
9/30/72	152.60
10/25/72	147.40
11/23/72	141.00
12/31/72	138.10
1/25/73	130.40
2/26/73	127.40
3/21/73	114.00
5/30/73	73.60
6/21/73	70.80
7/15/73	70.70
8/07/73	72.40
11/14/73	82.80
12/07/73	85.20
1/31/74	93.50
2/17/74	97.80
3/22/74	94.40
4/22/74	99.30
5/18/74	105.40
6/09/74	104.80
7/15/74	105.90
8/20/74	100.90
9/25/74	110.80
10/31/74	127.70
11/27/74	129.10
12/26/74	129.90
1/23/75	132.20
2/28/75	134.30
3/25/75	135.00
4/10/75	135.80
5/22/75	136.40
6/17/75	136.50
7/27/75	128.00
8/30/75	111.00
9/25/75	127.20
10/21/75	119.20
1/08/76	130.30
1/27/76	124.70
2/07/76	126.50
3/09/76	136.40
8/11/76	134.00
8/26/81	80.20
9/22/81	85.90
10/30/81	106.00
11/14/81	114.80
3/31/82	118.70
4/30/82	84.20
5/24/82	82.10
6/19/82	80.00
7/31/82	83.90
8/14/82	81.80
10/09/82	82.30
11/01/82	94.70

(NOTE THE INFORMATION IS OUT OF CHRONOLOGICAL ORDER)

WATER-LEVEL MEASUREMENTS FOR WELL (A-1-5)7baa

12/31/82	110.70
1/31/83	83.80
2/10/83	81.90
2/28/83	74.00
3/31/83	64.80
4/30/83	58.20
5/30/83	50.80
6/30/83	47.90
7/08/83	47.90
8/01/83	49.70
9/06/83	54.00
10/31/83	55.40
11/01/83	55.40
12/01/83	56.60
1/31/84	54.50
2/14/84	54.00
3/01/84	55.90
4/01/84	60.00
5/01/84	62.10
6/01/84	67.10
7/01/84	71.90
8/08/84	73.70
9/05/84	76.30
9/21/84	75.70
10/01/84	76.00
11/01/84	78.80
11/09/84	79.60
11/29/84	81.10
12/31/84	80.20
7/11/76	134.00
10/13/76	139.20
3/2/78	148.60
3/28/78	132.50
4/2/78	115.90
4/14/78	103.10
4/22/78	94.40
5/2/78	89.30
5/19/78	88.00
6/6/78	87.90
6/14/78	92.80
6/25/78	95.70
12/16/78	135.50
1/2/79	113.00
1/14/79	93.40
1/21/79	86.20
2/23/79	71.90
3/25/79	66.70
4/17/79	63.70
4/30/79	60.90
5/17/79	58.50
6/19/79	55.20
7/21/79	54.30
8/8/79	56.00
8/21/79	57.10
9/19/79	60.90
9/30/79	63.60
10/14/79	69.40
10/31/79	75.60
11/14/79	79.90

WATER-LEVEL MEASUREMENTS FOR WELL (A-1-5)7baa

11/25/79	83.60
12/15/79	87.90
12/30/79	91.80
1/14/80	96.20
1/28/80	100.40
2/3/80	101.20
2/14/80	89.60
2/27/80	75.00
3/18/80	68.00
4/13/80	68.80
5/5/80	53.50
5/20/80	48.90
6/2/80	48.60
6/15/80	49.90
6/25/80	48.30
7/9/80	47.40
7/21/80	48.80
8/6/80	50.20
8/27/80	51.30
9/14/80	54.60
9/30/80	57.80
10/23/80	69.60
11/30/80	77.40
12/25/80	82.90
1/31/81	85.80
2/25/81	86.50
3/27/81	90.20
4/28/81	92.20
5/27/81	93.50
7/13/81	91.90
7/25/81	87.70
9/5/81	80.20
9/14/81	82.00
10/4/81	89.00
10/15/81	95.20
11/1/81	110.30
3/25/82	123.30
4/15/82	92.90
5/10/82	82.90
5/31/82	82.60
6/15/82	83.30
6/30/82	86.30
7/15/82	86.80
7/25/82	85.50
8/20/82	85.30
10/24/82	91.10
11/15/82	102.40
11/30/82	111.30
12/15/82	114.00
12/25/82	113.00
1/5/83	105.70
1/15/83	93.30
3/15/83	68.80
4/15/83	61.10
5/15/83	54.80
6/15/83	48.80
7/15/83	47.90
8/15/83	51.20
9/20/83	54.60

WATER-LEVEL MEASUREMENTS FOR WELL (A-1-5)7baa

9/30/83	56.10
10/15/83	56.20
11/15/83	55.70
12/15/83	58.70
12/31/83	60.80
1/15/84	57.00
3/15/84	57.90
4/15/84	60.80
5/15/84	63.70
6/15/84	69.50
7/15/84	72.80
8/20/84	75.20
10/15/84	77.10
12/15/84	82.10
12/23/84	82.70
1/15/85	72.00
1/31/85	66.80
2/15/85	62.90
2/28/85	60.40
3/15/85	58.00
3/31/85	55.80
4/15/85	53.60
4/30/85	51.50
5/15/85	49.80
5/26/85	49.20
5/31/85	49.50
6/15/85	50.00
6/30/85	51.60
7/15/85	53.10
7/31/85	53.30
8/2/85	53.80
8/15/85	53.00
8/31/85	52.90
9/18/85	50.00
9/30/85	54.80
10/15/85	60.00
10/31/85	64.60
11/15/85	67.40
11/30/85	69.70
12/13/85	72.00
12/31/85	66.50
1/15/86	63.30
1/31/86	62.10
2/15/86	62.90
2/28/86	64.40
3/15/86	66.30
3/31/86	68.50
4/3/86	68.70
4/15/86	66.50
4/30/86	63.90
5/6/86	63.60
5/15/86	64.30
5/31/86	66.20
6/12/86	67.90
2/19/87	76.50
2/23/73	127.20
3/14/73	118.40
1/21/74	87.40
2/14/74	95.60

WATER-LEVEL MEASUREMENTS FOR
WELL (A-1-5)7baa

3/22/74	96.30
4/22/74	96.20
5/20/74	103.90
6/26/74	103.10
7/23/74	102.60
8/29/74	100.00
9/26/74	109.30
10/31/74	126.20
11/22/74	127.10
12/20/74	127.90
1/13/82	121.10
9/5/84	76.30
11/9/84	79.60
1/3/85	78.40
3/6/85	59.20
5/1/85	51.40
7/3/85	52.00
11/5/85	66.00
1/3/86	63.40
4/1/86	68.60
6/12/86	67.80
8/13/86	68.40
11/5/86	76.40
9/10/87	71.50
8/17/89	82.50
1/16/92	85.50
2/27/91	115.80
1/15/90	89.50
3/2/90	96.20
3/31/90	97.90
5/1/90	98.20
5/15/90	99.50
5/28/90	100.50
6/5/90	99.90
7/25/90	99.00
11/30/90	104.00
12/31/90	106.80
2/2/91	114.90
3/15/91	114.10
3/25/91	111.90
3/31/91	109.00
4/10/91	100.00
4/25/91	88.50
5/15/91	81.00
5/31/91	80.50
6/13/91	80.20
6/25/91	79.30
7/25/91	80.20
8/20/91	80.20
9/20/91	82.20
11/15/91	86.50
12/14/91	88.90
12/19/91	89.10
8/23/72	154.70
9/20/72	151.40
10/17/72	150.00
11/16/72	141.50
1/24/73	131.20
1/21/74	87.40

WATER-LEVEL MEASUREMENTS FOR WELL (A-1-5)7baa

2/14/74	95.60
3/22/74	96.30
4/22/74	96.20
5/20/74	103.90
6/26/74	103.10
7/23/74	102.60
8/29/74	100.00
9/26/74	109.25
10/31/74	126.20
11/22/74	127.10
12/20/74	127.90
1/22/75	129.70
1/8/75	130.30
1/6/77	136.10
1/26/78	138.70
3/30/78	133.00
5/10/78	90.50
1/2/79	128.90
1/16/79	90.20
1/19/79	88.10
2/21/79	71.60
4/4/79	63.70
1/30/80	100.40
3/6/80	70.70
4/4/80	63.70
12/23/80	80.58
2/4/81	84.40
5/27/81	91.70
2/10/83	81.90
11/29/84	81.10
11/12/91	84.50
1/16/92	86.56
2/27/92	75.13
3/19/92	70.66
4/17/92	65.86
5/20/91	60.01
6/12/92	55.24
6/19/92	55.00
7/22/92	51.46
12/31/92	

INFORMATION FROM K.D. SCHMIDT AND ASSOCIATES MEASUREMENTS, U.S. GEOLOGICAL SURVEY WATER-LEVEL CHART RECORDERS, AND ARIZONA DEPARTMENT OF WATER RESOURCES WATER-LEVEL PRINTOUT (8/22/96).

APPENDIX D

SUMMARY OF AQUIFER TEST RESULTS

TABLE 1

PRELIMINARY RESULTS OF AQUIFER ANALYSIS[1]
CITY OF MESA RECLAIMED WATER WELL MRW-1
NW WATER RECLAMATION PLANT

Piezometer ID	Piezometer Depth (ft)	Piezometer Screened Interval (ft-ft)	Range of Transmissivity Values (gpd/ft)[3]	Range of Storage Coefficient Values (dimensionless)
MOW-1A MOW-2A	70	50 - 70	105,000	2.7×10^{-2} - 2.3×10^{-1}
MOW-1B MOW-2B	110	90 - 110	150,000	1.4×10^{-3} - 5.4×10^{-3}
MOW-1C MOW-2C	150	130 - 150	45,000 - 75,000	1.9×10^{-4} - 3.0×10^{-4}
MOW-1D MOW-2D	260	210 - 260	60,000 - 65,000[2]	4.3×10^{-4} - 5.0×10^{-4}[2]

[1] Range of values for 24- and 48-hour duration aquifer tests conducted March 1993

[2] Range of values calculated for 24-hour test only

[3] gpd/ft - gallon per day per foot

INFORMATION MODIFIED FROM FEBRUARY 23, 1994, CITY OF MESA NORTHWEST WATER RECLAMATION PLANT PERCOLATION PONDS PERFORMANCE AND ALTERNATIVE EVALUATION SUMMARY REPORT, DAMES AND MOORE.

TABLE 2 - RESULTS OF AQUIFER TESTS FOR MONITOR WELLS TAPPING THE UPPER ALLUVIAL UNIT

Well	Date	Pumping Rate (gpm)	Static Level (feet)	Pumping Level (feet)	Specific Capacity (gpm/ft)	Transmissivity (gpd/ft)	Permeability (gpd/sq ft)
MW-1	8/06/90	105	128.2	136.8	12	73,000	2,800
	2/11/92	209	125.2	134.1	24	138,000	3,100
MW-2	10/31/85	124	107.7	109.7	62	82,000	2,000
	8/03/91	179	128.7	143.2	12	45,000	1,100
MW-3	2/26/92	217	122.0	126.7	46	477,000	9,000
MW-4	12/28/91	209	127.4	131.2	55	-	-
MW-6	11/08/91	215	124.1	127.8	58	378,000	7,600
MW-8	10/09/91	207	128.7	140.9	17	136,000	3,000
MW-9	6/24/86	130	99.6	100.2	225	115,000	2,500
MW-11	9/15/86	129	111.0	115.3	30	107,000	1,700
MW-12	11/20/86	115	115.1	118.3	36	217,000	3,600
MW-17	1/27/88	114	113.3	119.0	20	120,000	2,300
MW-22	7/05/88	140	110.6	114.3	38	123,000	1,800

Duration of the tests was four hours for MW-1 (2/92), MW-9, MW-11, six hours for MW-1 (8/90), MW-2 (8/91), MW-8, MW-22, and eight hours for the others.

INFORMATION MODIFIED FROM APRIL 5, 1995, QUARTERLY REPORT FOR MOTOROLA, INC. MESA CENTER POOR QUALITY GROUNDWATER WITHDRAWAL PERMIT (OCTOBER-DECEMBER, 1994), K.D. SCHMIDT AND ASSOCIATES.

Table 5-5
Estimated Aquifer Properties
SIBW Single-Well Aquifer Tests

Well Name	Transmissivity (ft2/day) (1) Drawdown	Transmissivity (ft2/day) (2) Recovery	(3) Saturated Slotted Thickness (ft)	(4) Drawdown Hydraulic Conductivity (ft/d)	(5) Recovery Hydraulic Conductivity (ft/d)	(6) Saturated Aquifer Thickness (ft)	(7) Drawdown Hydraulic Conductivity (ft/d)	(8) Recovery Hydraulic Conductivity (ft/d)
UAU Wells								
SIBW-1U	280	8000	38	7	211	54	5	148
SIBW-2U	2100	4400	19	111	232	19	111	232
SIBW-3U	15800	26500	37	427	716	37	427	716
SIBW-4U	8300	35300	36	231	981	66	126	535
SIBW-6U	320	1900	11	29	173	11	29	173
SIBW-7U	18300	12700	35	523	363	56	327	227
SIBW-8U	13500	6600	42	321	157	47	287	140
SIBW-9U	2500	3200	25	100	128	25	100	128
SIBW-10U	9500	25300	33	288	767	43	221	588
SIBW-19U	16500	17600	60	275	293	101	163	174
SIBW-20U	22000	44000	60	367	733	97	227	454
SIBW-21U	23800	26200	60	397	437	100	238	262
SIBW-23U	8700	11000	77	114	144	98	89	112
SIBW-24U	9900	9400	75	132	125	97	102	97
SIBW-25U	17600	18700	75	234	249	97	181	193
SIBW-26U	Inc	18200	66	--	276	89	--	205
SIBW-27U	26400	28200	69	382	408	90	292	312
SIBW-28U	31200	N/A	74	420	--	N/A	--	--
SIBW-29U	12800	18600	79	163	236	102	125	182
SIBW-30U	15400	19200	72	214	266	94	164	204
SIBW-31U	37900	33700	67	564	502	94	403	358
SIBW-32U	47900	41900	61	784	686	89	540	472
SIBW-33U	21400	26800	58	371	465	88	244	306
SIBW-36U	12600	11400	59	213	193	83	152	137
SIBW-37U	14700	34300	64	229	534	81	181	423
SIBW-38U	19200	34800	65	296	536	N/A	--	--
SIBW-39U	16200	24400	56	291	438	N/A	--	--
SIBW-40U	27100	10000	69	394	145	N/A	--	--
SIBW-41U	16000	22600	72	221	312	N/A	--	--

Table 5-5
Estimated Aquifer Properties
SIBW Single-Well Aquifer Tests

Well Name	Transmissivity (ft2/day) (1) Drawdown	Transmissivity (ft2/day) (2) Recovery	(3) Saturated Slotted Thickness (ft)	(4) Drawdown Hydraulic Conductivity (ft/d)	(5) Recovery Hydraulic Conductivity (ft/d)	(6) Saturated Aquifer Thickness (ft)	(7) Drawdown Hydraulic Conductivity (ft/d)	(8) Recovery Hydraulic Conductivity (ft/d)
SIBW-43U	14900	14200	71	210	200	101	147	140
SIBW-44U	14300	11800	68	210	174	103	139	115
SIBW-45U	15500	14900	68	228	219	100	155	149
SIBW-46U	24400	22700	69	356	331	89	275	256
SIBW-47U	21600	72800	67	321	1082	N/A	--	--
SIBW-48U	11800	17600	58	204	304	83	142	212
SIBW-49U	43200	13600	49	890	280	78	554	174
MAU Subunit B Wells								
SIBW-15MB	1000	870	50	20	17	15	67	58
SIBW-16MB	8300	Inc	50	166	--	40	208	--
SIBW-17MB	3700	5300	50	74	106	30	123	177
SIBW-18MB	800	1100	50	16	22	20	40	55
SIBW-54MB	Inc	12500	50	--	250	67	--	187
MAU Subunit C Wells								
SIBW-11MC	8200	7600	50	164	152	55	149	138
SIBW-13MC	5100	6200	50	102	124	50	102	124
SIBW-14MC	Inc	7900	50	--	158	50	--	158
SIBW-55MC	3300	2400	50	66	48	20	165	120
SIBW-56MC	Inc	10400	20	--	520	45	--	231
SIBW-57MC	13000	8700	60	217	145	44	295	198
SIBW-58MC	4900	11100	50	98	222	32	153	347
LAU Wells								
SIBW-12L	130	150	50			40	3	4

Notes:
N/A = Information not available.
Inc = Aquifer test results inconclusive.
References:
(1) = Calculated using Cooper and Jacob (1946) Method on semi-log plots of drawdown data.
(2) = Calculated using Theis Recovery Method (Theis, 1935) on semi-log plots of recovery data.
(3) = Calculated based on static groundwater elevations at the time of aquifer testing and well construction information.
(4) = (1) ÷ (3).
(5) = (2) ÷ (3).
(6) = Calculated based on the thickness of permeable sediments observed during drilling (for MAU and LAU estimates) or the static groundwater elevations during aquifer testing and the estimated elevation of the base of the UAU (UAU estimates).
(7) = (1) ÷ (6).
(8) = (2) ÷ (6).

INFORMATION FROM FEBRUARY 1995 DRAFT INDIAN BEND WASH-SOUTH FINAL RI, CH_2M HILL.

APPENDIX E

SALT RIVER STREAMFLOW RECORDS

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1970

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	1,887	0	0	
6	0	0	0	0	0	0	0	0	2,647	0	0	
7	0	0	0	0	0	0	0	0	995	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	
29	0		0	0	0	0	0	0	0	0	0	
30	0		0	0	0	0	0	0	0	0	0	
31	0		0		0		0	0		0		
TOTAL	0	0	0	0	0	0	0	0	5,529	0	0	
MAXIMUM	0	0	0	0	0	0	0	0	2,647	0	0	
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	184	0	0	
ACRE FT.	0	0	0	0	0	0	0	0	10,967	0	0	
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 10,967

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1971

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	40	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0		0	0	0	0	0	0	0	0	0	0
30	0		0	0	0	0	0	0	0	0	0	0
31	0		0		0		0	0		0		0
TOTAL	0	0	0	0	0	0	0	40	0	0	0	0
MAXIMUM	0	0	0	0	0	0	0	40	0	0	0	0
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	1	0	0	0	0
ACRE FT.	0	0	0	0	0	0	0	79	0	0	0	0
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 79

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1972

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	272	0	
5	0	0	0	0	0	0	0	0	0	116	0	
6	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	5,310	0	
8	0	0	0	0	0	0	0	0	0	92	0	
9	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	6
11	0	0	0	0	0	0	0	0	0	0	0	43
12	0	0	0	0	0	0	0	0	0	0	0	1,04
13	0	0	0	0	0	0	0	0	0	0	0	1,03
14	0	0	0	0	0	0	0	0	0	0	0	31
15	0	0	0	0	0	0	0	0	0	0	0	11
16	0	0	0	0	0	0	0	0	0	42	0	
17	0	0	0	0	0	0	0	0	0	0	346	
18	0	0	0	0	0	0	0	0	0	65	0	
19	0	0	0	0	0	0	0	0	0	9,086	0	
20	0	0	0	0	0	0	0	0	0	4,053	0	
21	0	0	0	0	0	0	0	0	0	1,027	0	
22	0	0	0	0	0	0	0	0	0	0	100	
23	0	0	0	0	0	0	0	0	0	0	592	
24	0	0	0	0	0	0	0	0	0	0	526	
25	0	0	0	0	0	0	0	0	0	0	123	
26	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	1,64
29	0	0	0	0	0	0	0	0	0	0	0	5,47
30	0		0	0	0	0	0	0	0	0	0	5,27
31	0		0		0		0	0		0		85
TOTAL	0	0	0	0	0	0	0	0	0	20,063	1,687	16,25
MAXIMUM	0	0	0	0	0	0	0	0	0	9,086	592	5,47
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	647	56	52
ACRE FT.	0	0	0	0	0	0	0	0	0	39,795	3,346	32,23
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 75,379

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1973

AY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	610	0	0	22,273	4,793	0	0	0	2	0	0	0
2	719	0	0	20,254	5,489	13	0	0	0	0	0	0
3	1,355	0	1,407	14,470	5,180	54	0	0	0	0	0	0
4	1,336	0	1,677	11,823	4,736	33	0	0	0	0	0	0
5	1,512	0	1,776	6,971	1,792	0	0	0	0	0	0	0
6	671	0	1,671	6,434	5,831	0	0	0	0	0	0	0
7	231	0	1,351	6,403	10,863	0	0	0	0	0	0	0
8	0	0	0	6,293	9,184	0	0	0	0	0	0	0
9	0	0	0	5,593	4,723	0	0	0	0	0	0	0
10	0	0	0	4,750	4,506	0	0	0	0	0	0	0
11	0	0	0	4,584	5,997	19	13	0	0	0	0	0
12	0	0	1,847	5,756	6,736	0	0	0	0	0	0	0
13	0	0	5,798	11,679	6,334	4	0	0	0	0	0	0
14	0	0	9,931	12,297	5,768	0	351	0	0	0	0	0
15	0	0	8,675	13,315	5,857	0	171	0	0	3	0	0
16	0	0	7,102	13,980	5,767	0	0	65	34	0	0	0
17	0	0	9,010	14,600	5,634	0	0	0	3	0	0	0
18	0	0	12,435	14,126	4,283	0	0	0	0	0	0	0
19	0	0	13,090	14,020	1,296	0	0	0	0	0	0	0
20	0	0	13,000	13,596	318	0	0	0	0	0	0	0
21	0	1,312	11,612	9,108	383	21	0	0	0	0	0	0
22	0	2,754	8,509	9,097	1,598	0	0	0	0	0	81	0
23	0	4,380	9,267	8,972	1,122	3	0	0	0	0	0	0
24	0	2,722	12,657	7,786	347	0	0	0	0	0	0	0
25	0	2,753	12,931	436	245	0	0	0	0	0	0	0
26	0	2,104	10,266	1,107	75	0	0	0	0	0	0	0
27	0	288	8,445	861	109	0	0	0	0	0	0	0
28	0	0	8,379	4,998	121	0	0	0	0	0	0	0
29	0		11,210	5,594	84	0	0	0	0	0	0	0
30	0		15,175	5,908	0	0	0	0	0	0	0	0
31	0		18,685		0		0	0		0		0
OTAL	6,434	16,313	215,906	277,084	109,171	147	535	65	39	3	81	0
XIMUM	1,512	4,380	18,685	22,273	10,863	54	351	65	34	3	81	0
NIMUM	0	0	0	436	0	0	0	0	0	0	0	0
MEAN	208	583	6,965	9,236	3,522	5	17	2	1	0	3	0
RE FT.	12,762	32,357	428,250	549,596	216,541	292	1,061	129	77	6	161	0
NCHES												

TOTAL ACRE-FEET FOR THE YEAR 1,241,231

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1974

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	268	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	82	0	0	0	0
6	0	0	0	0	0	0	0	45	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	16	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0		0	0	0	0	0	0	0	0	0	0
30	0		0	0	0	0	0	0	0	0	0	0
31	0		0		0		0	0		0		0
TOTAL	0	0	0	0	0	0	16	395	0	0	0	0
MAXIMUM	0	0	0	0	0	0	16	268	0	0	0	0
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	1	13	0	0	0	0
ACRE FT.	0	0	0	0	0	0	32	783	0	0	0	0
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 815

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1975

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	124	0	0	0	0	0
14	0	0	0	0	0	0	0	0	76	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0		0	0	0	0	0	0	0	0	0	0
30	0		0	0	0	0	0	0	0	0	0	0
31	0		0		0		0	0		0		0

TOTAL	0	0	0	0	0	0	124	0	76	0	0	0
MAXIMUM	0	0	0	0	0	0	124	0	76	0	0	0
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	4	0	3	0	0	0
ACRE FT.	0	0	0	0	0	0	246	0	151	0	0	0
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 397

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1976

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	
9	0	468	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	108	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	260	0	
24	0	0	0	0	0	0	74	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	30	0	0	
27	0	0	0	0	0	0	0	94	11	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	13	0	0	0	0	
30	0		0	0	0	0	0	0	0	0	0	
31	0		0		0		0	0		0		

TOTAL	0	468	0	108	0	0	87	94	41	260	0	
MAXIMUM	0	468	0	108	0	0	74	94	30	260	0	
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	16	0	4	0	0	3	3	1	8	0	
ACRE FT.	0	928	0	214	0	0	173	186	81	516	0	
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 2,099

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1977

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0		0	0	0	0	0	0	0	0	0	0
30	0		0	0	0	0	0	0	0	0	0	0
31	0		0		0		0	0		0		0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
ACRE FT.	0	0	0	0	0	0	0	0	0	0	0	0
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 0

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1978

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	3,000	100	0	0	0	0	0	0	0	
2	0	0	70,600	100	0	0	0	0	0	0	0	
3	0	0	95,800	100	0	0	0	80	0	0	0	
4	0	0	37,000	31	0	0	0	216	0	0	0	
5	0	0	21,900	25	0	0	0	0	0	0	0	
6	0	0	19,500	25	0	0	0	0	0	0	0	
7	0	0	16,700	25	0	0	0	0	0	0	0	
8	0	0	400	25	0	0	0	0	0	0	0	
9	0	0	0	25	0	0	0	0	0	0	0	
10	0	0	0	25	0	0	0	0	0	0	0	
11	0	230	0	0	0	0	0	0	0	0	0	
12	0	0	239	0	0	0	0	0	0	0	0	
13	0	0	281	0	0	0	0	0	0	0	0	
14	0	0	25	0	0	0	0	0	0	0	0	
15	0	0	16	0	0	0	0	0	0	0	0	
16	0	0	754	0	0	0	0	0	0	0	0	
17	118	0	1,858	0	0	0	0	0	0	0	0	50
18	27	0	1,521	0	0	0	0	0	0	0	0	30,80
19	0	0	1,750	0	0	0	0	0	0	0	0	110,00
20	0	0	1,750	0	0	0	0	0	0	0	0	88,30
21	0	0	1,761	0	0	0	0	0	0	0	0	59,40
22	0	0	1,592	0	0	0	152	0	0	0	0	35,00
23	0	0	6,963	0	0	0	9	0	0	0	0	31,00
24	0	0	5,543	0	0	0	0	0	0	0	0	9,40
25	0	0	2,120	0	0	0	0	0	0	0	0	9,40
26	0	0	1,900	0	0	0	0	0	0	0	0	7,00
27	0	0	1,895	0	0	0	0	0	0	0	0	6,50
28	0	0	500	0	0	0	0	0	0	0	0	5,50
29	0		447	0	0	0	0	0	0	0	0	4,40
30	8		400	0	0	0	0	0	0	0	0	2,40
31	24		1,746		0		0	0		0		1,50
TOTAL	177	230	297,961	481	0	0	161	296	0	0	0	401,10
MAXIMUM	118	230	95,800	100	0	0	152	216	0	0	0	110,00
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	
MEAN	6	8	9,612	16	0	0	5	10	0	0	0	12,9
ACRE FT.	351	456	591,006	954	0	0	319	587	0	0	0	795,5
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 1,389,255

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1979

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2,693	10,490	28	22,400	1,040	5	0	0	0	0	0	0
2	2,668	8,800	5	11,800	1,050	5	0	0	0	0	0	0
3	2,377	8,800	232	9,830	500	5	0	0	0	0	0	0
4	2,322	8,800	30	11,140	620	0	0	0	0	0	0	0
5	7,955	8,000	120	7,270	600	0	0	0	0	0	0	0
6	6,600	4,000	25	2,060	520	0	0	0	0	0	0	0
7	1,200	3,800	25	2,780	438	0	0	0	0	0	0	0
8	268	3,800	25	6,100	380	0	0	0	0	0	0	0
9	167	3,800	25	6,830	460	0	0	0	0	0	0	0
10	150	3,800	25	12,460	325	0	0	0	0	0	0	0
11	84	3,800	765	13,500	320	0	0	0	0	0	0	0
12	6	2,500	3,334	13,735	250	0	0	0	0	0	0	0
13	5	2,200	3,800	14,600	375	0	0	0	0	0	0	0
14	5	1,800	4,144	13,080	375	0	0	0	0	0	0	0
15	5	1,600	9,597	12,000	275	0	0	0	0	0	0	0
16	0	504	9,945	2,715	50	0	0	0	0	0	0	0
17	36,000	504	9,752	455	4	0	0	0	0	0	0	0
18	87,500	504	9,752	260	4	0	0	0	0	0	0	0
19	70,100	504	7,352	5	0	0	0	0	0	0	0	0
20	56,800	75	6,654	5	70	0	0	0	0	0	0	0
21	26,700	75	6,654	5	0	0	0	0	0	0	0	0
22	20,300	50	10,000	5	0	0	0	0	0	0	0	0
23	19,100	50	10,980	5	3	0	0	0	0	0	0	0
24	17,300	50	11,950	10	5	0	0	0	0	0	0	0
25	16,200	50	11,970	5	5	0	0	0	0	0	0	0
26	16,000	38	11,720	5	28	0	0	0	0	0	0	0
27	14,100	30	14,970	5	115	0	0	0	0	0	0	0
28	14,200	30	19,880	5	130	0	0	0	0	0	0	0
29	13,400		51,800	5	110	0	0	0	0	0	0	0
30	9,900		40,600	240	100	0	0	0	0	0	0	0
31	10,200		46,460		5		0	0		0		0
TOTAL	454,305	78,454	302,619	163,315	8,157	15	0	0	0	0	0	0
MAXIMUM	87,500	10,490	51,800	22,400	1,050	5	0	0	0	0	0	0
MINIMUM	0	30	5	5	0	0	0	0	0	0	0	0
MEAN	14,655	2,802	9,762	5,444	263	1	0	0	0	0	0	0
ACRE FT.	901,114	155,614	600,245	323,935	16,179	30	0	0	0	0	0	0
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 1,997,117

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	9,300	11,199	1,670	2,435	6	183	0	0	0	0	
2	0	8,485	11,000	1,685	2,555	20	0	0	0	0	0	
3	0	8,275	11,000	2,060	2,420	0	0	0	0	0	0	
4	0	7,000	7,824	2,375	2,400	0	0	0	0	0	0	
5	0	4,545	4,941	2,340	1,500	0	0	0	19	0	0	
6	0	4,345	700	2,520	70	0	0	0	0	0	0	
7	0	1,308	55	2,500	5	0	0	0	0	0	0	
8	0	4,245	0	2,200	6	0	0	0	0	0	0	
9	0	1,980	0	2,100	15	0	0	0	0	0	0	
10	0	25	0	1,980	105	0	0	0	0	0	0	
11	0	17	13	1,970	120	0	0	0	0	0	47	
12	0	17	12	1,890	140	0	0	0	0	0	0	
13	0	260	5	1,945	140	0	0	0	0	0	0	
14	0	9,350	5	1,880	140	0	0	0	0	0	0	
15	0	88,780	5	840	105	0	0	0	0	0	0	
16	0	137,725	5	650	60	0	0	0	0	0	0	
17	0	67,700	5	575	95	0	0	0	0	0	0	
18	0	72,250	4	575	100	0	0	0	0	0	0	
19	0	53,740	5	915	40	0	0	0	0	0	0	
20	0	55,430	5	950	20	0	0	0	0	0	0	
21	0	82,484	5	960	30	0	0	0	0	0	0	
22	0	89,640	5	950	20	0	44	0	0	0	0	
23	0	54,730	5	995	4	0	0	0	0	0	0	
24	0	52,693	5	600	4	0	0	0	0	0	0	
25	0	49,003	5	440	17	0	0	0	0	0	0	
26	0	18,389	5	200	40	0	0	0	0	0	0	
27	0	15,101	900	350	20	0	0	0	0	0	0	
28	0	14,347	1,700	460	4	0	0	0	0	0	0	
29	0	11,231	1,460	460	4	0	0	0	0	0	0	
30	3,750		1,660	680	50	20	0	0	0	0	0	
31	6,025		1,770		60		0	0		0		
TOTAL	9,775	922,395	54,303	39,715	12,724	46	227	0	19	0	47	
MAXIMUM	6,025	137,725	11,199	2,520	2,555	20	183	0	19	0	47	
MINIMUM	0	17	0	200	4	0	0	0	0	0	0	
MEAN	315	31,807	1,752	1,324	410	2	7	0	1	0	2	
ACRE FT.	19,389	1,829,570	107,710	78,775	25,238	91	450	0	38	0	93	
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 2,061,354

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	25	0	0	0	0	0	0	0	0	0	0
10	0	25	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0		0	0	0	0	0	0	0	0	1	0
30	0		0	0	0	0	0	0	0	0	0	0
31	0		0		0		0	0		0		0
TOTAL	0	50	0	0	0	0	0	0	0	0	1	0
MAXIMUM	0	25	0	0	0	0	0	0	0	0	1	0
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	2	0	0	0	0	0	0	0	0	0	0
ACRE FT.	0	99	0	0	0	0	0	0	0	0	2	0
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 101

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1982

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	4	0	0	0	0	0	0	0	58
2	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	36
11	0	0	0	0	0	0	0	0	13	0	0	2,15
12	0	0	0	0	0	0	0	0	0	0	0	2,36
13	0	0	1,625	0	0	0	0	0	0	0	0	2,24
14	0	0	8,970	0	0	0	0	0	0	0	0	2,06
15	0	0	8,825	0	0	0	0	0	0	0	0	2,09
16	0	0	8,819	0	0	0	0	0	0	0	0	2,09
17	0	0	5,860	0	0	0	0	0	0	0	14	1,89
18	0	0	1,947	0	0	0	0	0	0	0	0	12
19	0	0	318	0	0	0	0	0	0	0	0	3
20	0	0	77	0	0	0	0	0	0	0	0	5
21	0	0	72	0	0	0	0	0	0	0	0	2
22	0	0	7	0	0	0	0	0	0	0	0	
23	0	0	3	0	0	0	0	0	0	0	0	
24	0	0	12	0	0	0	0	0	0	0	0	2,00
25	0	0	6	0	0	0	0	0	0	0	0	2,20
26	0	0	0	0	0	0	0	0	0	0	0	2,18
27	0	0	0	0	0	0	0	0	0	0	0	2,59
28	0	0	784	0	0	0	0	0	0	0	0	6,38
29	0		3,159	0	0	0	0	0	0	0	0	6,28
30	0		367	0	0	0	0	0	0	0	40	6,21
31	0		5		0		0	0		0		4,99
TOTAL	0	0	40,856	4	0	0	0	0	13	0	54	48,96
MAXIMUM	0	0	8,970	4	0	0	0	0	13	0	40	6,38
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	1,318	0	0	0	0	0	0	0	2	1,58
ACRE FT.	0	0	81,038	8	0	0	0	0	26	0	107	97,12
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 178,301

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,889	5	1,818	12,219	2,046	0	0	0	0	1,896	5	0
2	1,814	5	2,607	11,836	2,345	0	0	0	0	39,383	12	0
3	1,799	93	5,045	9,017	1,744	5	0	0	0	39,878	6	0
4	1,116	2,249	11,790	7,394	446	5	0	0	0	36,257	5	0
5	820	4,455	12,804	6,700	186	5	0	0	0	27,304	5	0
6	612	4,244	12,667	5,733	60	5	0	0	0	15,399	5	0
7	5	4,585	11,000	3,839	25	5	0	0	0	8,731	5	0
8	4	10,844	10,708	2,953	25	5	0	0	0	7,295	5	0
9	2	29,583	4,000	1,498	25	5	0	0	0	6,855	5	0
10	4	30,000	3,500	1,200	25	5	0	0	0	4,390	2	0
11	4	25,417	2,500	908	456	5	0	0	0	3,573	0	0
12	4	24,333	2,300	509	1,244	5	0	0	0	3,350	48	0
13	4	15,563	2,300	800	1,586	5	0	0	0	3,790	0	0
14	4	11,289	2,273	850	1,100	5	0	0	0	3,822	0	0
15	4	7,791	1,858	1,150	770	5	0	0	0	3,797	0	0
16	4	7,600	1,773	1,227	515	5	0	271	0	3,656	0	0
17	4	6,933	891	1,200	52	0	0	125	0	3,962	0	0
18	4	5,377	585	883	50	0	0	0	0	4,597	0	0
19	4	2,500	263	1,182	87	0	0	0	0	4,747	0	0
20	4	2,500	3,148	3,173	50	0	0	0	0	4,797	0	0
21	4	2,500	9,521	4,211	50	0	0	0	0	4,866	58	0
22	4	2,174	17,583	7,673	50	0	0	0	0	2,367	0	0
23	4	2,107	16,000	8,000	50	0	0	0	0	72	0	0
24	4	1,792	16,375	7,957	50	0	0	0	0	5	0	0
25	4	1,500	19,292	6,013	50	0	0	0	0	5	0	4,600
26	4	1,500	20,000	5,233	50	0	0	0	0	5	0	11,200
27	4	1,595	14,513	3,450	50	0	0	0	0	5	0	11,067
28	4	1,798	6,008	3,748	50	0	0	0	54	5	0	10,317
29	46		5,297	2,945	50	0	0	0	234	5	0	8,271
30	706		5,188	2,190	50	0	0	0	73	5	0	5,634
31	103		8,458		50		0	0		5		2,106
TOTAL	8,992	210,332	232,065	125,691	13,387	70	0	396	361	234,824	161	53,195
MAXIMUM	1,889	30,000	20,000	12,219	2,345	5	0	271	234	39,878	58	11,200
MINIMUM	2	5	263	509	25	0	0	0	0	5	0	0
MEAN	290	7,512	7,486	4,190	432	2	0	13	12	7,575	5	1,716
ACRE FT.	17,836	417,194	460,301	249,308	26,553	139	0	785	716	465,773	319	105,512
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 1,744,437

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,813	0	0	0	0	0	0	0	0	0	0	
2	1,864	0	0	0	0	0	0	0	0	0	0	
3	1,701	0	0	0	0	0	0	0	0	528	0	
4	1,340	0	0	0	0	0	0	0	0	0	0	
5	1,329	0	0	0	0	0	0	0	0	0	0	
6	1,307	0	0	0	0	0	0	0	0	0	0	
7	1,369	0	0	0	0	0	0	0	0	0	0	
8	930	0	0	0	0	0	0	0	0	0	0	
9	830	0	0	0	0	0	0	0	0	0	0	
10	770	0	0	0	0	0	0	0	0	0	0	
11	771	0	0	0	0	0	0	0	0	0	0	
12	825	0	0	0	0	0	0	0	0	0	0	
13	816	0	0	0	0	0	0	0	0	0	0	
14	783	0	0	0	0	0	0	0	0	0	0	
15	784	0	0	0	0	0	0	0	0	0	0	
16	622	0	0	0	0	0	0	0	0	0	0	
17	173	0	0	0	0	0	0	0	0	0	0	
18	114	0	0	0	0	0	65	0	0	0	0	
19	68	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	79	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	1,05
23	0	0	0	0	0	0	0	0	0	0	0	3,18
24	0	0	0	0	0	0	0	0	0	0	0	3,20
25	0	0	0	0	0	0	0	0	0	0	0	5,44
26	0	0	0	0	0	0	0	0	0	0	0	3,73
27	0	0	0	0	0	0	0	0	0	0	0	6,73
28	0	0	0	0	0	0	0	0	0	0	0	25,60
29	0	0	0	0	0	0	0	0	0	0	0	24,00
30	0		0	0	0	0	0	0	0	0	0	23,00
31	0		0		0		0	0		0		21,92
TOTAL	18,209	0	0	0	0	0	144	0	0	528	0	117,87
MAXIMUM	1,864	0	0	0	0	0	79	0	0	528	0	25,60
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	
MEAN	587	0	0	0	0	0	5	0	0	17	0	3,80
ACRE FT.	36,118	0	0	0	0	0	286	0	0	1,047	0	233,79
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 271,248

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14,800	5,452	4,563	1,602	2,608	0	0	0	0	0	0	34
2	13,157	4,247	13,000	2,975	2,975	0	0	0	0	0	0	0
3	3,660	4,208	10,625	2,428	2,390	0	0	0	0	0	0	0
4	1,800	4,286	6,625	1,100	2,178	0	0	0	0	0	0	0
5	900	4,750	3,583	1,100	1,986	0	0	0	0	0	0	0
6	776	3,604	2,630	975	1,229	0	0	0	0	0	0	0
7	636	2,000	2,500	1,050	617	0	0	0	0	0	0	0
8	925	2,000	1,844	1,693	278	0	0	0	0	0	0	0
9	1,300	2,000	1,150	2,544	286	0	0	0	0	0	0	672
10	1,300	2,000	1,150	2,292	173	0	0	0	0	85	0	1,720
11	1,300	2,000	1,150	1,500	5	0	0	0	33	0	0	1,718
12	1,300	1,788	2,044	1,500	37	0	0	0	0	0	0	1,657
13	1,300	1,300	9,179	1,500	86	0	0	0	0	0	0	1,698
14	1,300	1,900	9,720	1,333	10	0	0	0	0	0	0	1,730
15	1,278	1,731	12,906	1,156	10	0	0	0	0	2	0	1,522
16	1,250	340	14,000	750	6	0	0	0	0	136	0	1,608
17	1,171	50	14,495	450	2	0	0	0	0	0	0	1,605
18	1,150	50	16,500	450	2	0	0	0	163	0	0	1,430
19	1,150	50	14,063	450	2	0	0	0	0	0	0	1,049
20	1,150	100	2,331	450	2	0	0	31	0	0	0	1,003
21	1,150	50	4,302	356	2	0	0	0	0	0	0	975
22	1,063	50	2,200	287	2	0	0	0	0	0	0	967
23	1,050	159	2,200	660	2	0	0	0	0	0	0	972
24	1,050	1,988	2,200	2,268	4	0	0	0	0	0	0	1,010
25	1,071	2,666	2,100	1,195	4	0	0	0	0	0	0	1,000
26	318	3,500	1,300	347	4	0	0	0	0	0	142	998
27	700	3,500	1,300	57	4	0	0	0	0	0	24	965
28	6,604	3,500	1,300	707	4	0	0	0	0	0	0	906
29	7,981		1,267	1,989	4	0	0	0	0	0	0	855
30	6,200		1,450	2,454	4	0	0	0	0	0	15	896
31	5,978		1,450		4		0	0		0		618
TOTAL	84,768	59,269	165,127	37,618	14,920	0	0	31	196	223	181	27,608
MAXIMUM	14,800	5,452	16,500	2,975	2,975	0	0	31	163	136	142	1,730
MINIMUM	318	50	1,150	57	2	0	0	0	0	0	0	0
MEAN	2,734	2,117	5,327	1,254	481	0	0	1	7	7	6	891
ACRE FT.	168,137	117,560	327,529	74,615	29,594	0	0	61	389	442	359	54,760
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 773,448

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4	0	0	146	0	0	0	0	0	0	0	0
2	4	113	0	86	0	0	49	0	0	0	0	0
3	4	0	0	102	0	0	13	0	0	0	0	0
4	4	0	0	326	0	0	0	0	0	0	0	0
5	4	0	0	930	0	0	0	0	0	0	0	0
6	4	0	0	789	0	0	0	0	0	0	0	74
7	4	0	0	158	0	0	0	0	0	0	0	37
8	4	0	0	53	0	0	0	0	0	0	0	0
9	4	0	0	0	0	0	0	0	0	0	0	0
10	4	0	0	0	0	0	0	0	0	189	0	0
11	4	0	0	0	0	0	0	0	0	8	0	0
12	4	0	0	0	0	0	0	0	0	50	0	0
13	4	0	0	0	0	0	0	0	0	0	0	0
14	4	0	0	0	0	0	0	0	0	0	0	0
15	4	0	0	0	0	0	0	0	0	0	0	0
16	4	0	0	0	0	0	0	0	0	0	0	0
17	4	0	312	0	0	0	0	0	0	0	0	0
18	0	0	241	0	0	0	0	0	0	0	21	0
19	0	0	0	0	0	0	0	0	0	0	94	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	76	0	0	0	0	45	0	0	0	0
29	0		132	0	0	0	0	17	0	0	0	0
30	0		46	0	0	0	0	0	0	0	0	0
31	0		48		0		0	0		0		0
TOTAL	68	113	855	2,590	0	0	62	62	0	247	115	111
MAXIMUM	4	113	312	930	0	0	49	45	0	189	94	74
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	4	28	86	0	0	2	2	0	8	4	4
ACRE FT.	135	224	1,696	5,137	0	0	123	123	0	490	228	220
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 8,376

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	44	0	0	0	0	0	0	110	0
2	0	0	0	15	0	0	0	0	0	0	45	0
3	0	0	0	15	0	0	0	0	0	0	56	0
4	0	0	0	22	0	0	0	0	0	0	0	0
5	0	0	0	37	0	0	0	0	0	0	0	0
6	0	0	0	20	0	0	0	0	0	0	0	0
7	0	0	0	12	0	0	0	0	0	0	0	0
8	0	0	0	20	0	0	0	0	0	0	0	0
9	0	0	0	20	0	0	0	0	0	0	0	0
10	0	0	0	8	0	0	0	0	0	0	0	0
11	0	0	0	5	0	0	0	0	0	0	0	0
12	0	0	0	5	0	0	0	0	0	0	0	0
13	0	0	0	5	0	0	0	0	0	0	0	0
14	0	0	0	5	0	0	0	0	0	0	0	0
15	0	0	0	5	0	0	0	0	0	0	0	0
16	0	0	293	0	0	0	0	0	0	0	0	0
17	0	0	1,433	0	0	0	0	0	0	0	0	61
18	0	0	1,229	0	0	0	0	0	0	0	0	103
19	0	0	1,125	0	0	0	0	0	0	0	0	0
20	0	0	1,525	0	0	0	0	0	0	0	0	0
21	0	0	2,329	0	0	0	0	0	0	0	0	0
22	0	13	2,485	0	0	0	0	0	0	0	0	0
23	0	20	1,613	0	0	0	0	0	0	0	0	0
24	0	105	813	0	0	0	0	0	0	0	0	0
25	0	186	438	0	0	0	0	0	0	0	0	0
26	0	87	282	0	0	0	0	0	0	0	0	0
27	0	21	82	0	0	0	0	0	0	0	0	0
28	0	0	42	0	0	0	0	0	0	0	0	0
29	0		20	0	0	0	0	0	0	0	0	0
30	0		102	0	0	0	0	0	0	0	0	0
31	0		157		0		0	0		0		0
TOTAL	0	432	13,968	238	0	0	0	0	0	0	211	164
MAXIMUM	0	186	2,485	44	0	0	0	0	0	0	110	103
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	15	451	8	0	0	0	0	0	0	7	5
ACRE FT.	0	857	27,706	472	0	0	0	0	0	0	419	325
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 29,778

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	591	0	0	0	0	0	0	0	0	0
2	0	0	32	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	277	0	0
15	0	0	0	0	0	0	0	0	0	118	0	0
16	0	0	0	0	0	0	0	0	0	118	0	0
17	17	0	0	0	0	0	0	0	0	9	0	0
18	45	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	54	0	0	0	0	0	0	0	0
22	0	54	0	31	0	0	0	0	0	0	0	0
23	0	25	0	0	0	0	0	0	0	0	0	0
24	0	0	0	22	0	0	0	0	0	0	0	0
25	2	0	0	1,152	0	0	0	0	0	0	0	0
26	0	124	0	3,604	0	0	0	0	0	0	0	0
27	0	613	0	1,463	0	0	0	0	0	0	0	0
28	0	653	0	549	0	0	0	0	0	0	0	0
29	0	732	0	5	0	0	0	0	0	0	0	0
30	0		0	0	0	0	0	0	0	0	0	0
31	0		0		0		0	0		0		0
TOTAL	64	2,201	623	6,880	0	0	0	0	0	522	0	0
MAXIMUM	45	732	591	3,604	0	0	0	0	0	277	0	0
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	76	20	229	0	0	0	0	0	17	0	0
ACRE FT.	127	4,366	1,236	13,646	0	0	0	0	0	1,035	0	0
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 20,410

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1989

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	159	0	0	0	0	0	0	0	0	0
27	0	0	72	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0		0	0	0	0	0	0	0	0	0	0
30	0		0	0	0	0	0	0	0	0	0	0
31	0		0		0		0	0		0		0
TOTAL	0	0	231	0	0	0	0	0	0	0	0	0
MAXIMUM	0	0	159	0	0	0	0	0	0	0	0	0
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	7	0	0	0	0	0	0	0	0	0
ACRE FT.	0	0	458	0	0	0	0	0	0	0	0	0
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 458

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	294	0	0	0	0
15	0	0	0	0	0	0	0	8	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0		0	0	0	0	0	0	0	0	0	0
30	0		0	0	0	0	0	0	0	0	0	0
31	0		0		0		0	0		0		
TOTAL	0	0	0	0	0	0	0	302	0	0	0	
MAXIMUM	0	0	0	0	0	0	0	294	0	0	0	
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	10	0	0	0	
ACRE FT.	0	0	0	0	0	0	0	598	0	0	0	
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 598

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1991

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	1,673	1,339	0	0	0	0	0	0	0	0
2	0	0	3,821	867	0	0	0	0	0	0	0	0
3	0	0	1,180	2,691	0	0	0	0	56	0	0	0
4	0	0	599	1,145	0	0	0	0	27	0	0	0
5	0	0	439	39	0	0	0	0	124	0	0	0
6	0	0	178	5	0	0	0	0	0	0	0	0
7	0	0	30	602	0	0	0	0	0	0	0	0
8	0	0	5	2,481	0	0	0	0	0	0	0	0
9	0	0	5	2,231	0	0	0	0	0	0	0	0
10	0	0	5	58	0	0	0	0	0	0	3	0
11	0	0	0	147	0	0	0	0	0	0	14	0
12	0	0	0	407	0	0	0	0	0	0	0	0
13	0	0	0	145	0	0	0	0	0	0	0	0
14	0	0	0	15	0	0	0	0	0	0	0	0
15	0	0	0	13	0	0	0	0	0	0	0	0
16	0	0	0	10	0	0	0	0	0	0	0	0
17	0	0	0	10	0	0	0	0	0	0	0	0
18	0	0	0	10	0	0	0	0	0	0	0	0
19	0	0	29	45	0	0	0	0	0	0	0	0
20	0	0	6	5	0	0	0	0	0	0	0	0
21	0	0	8	5	0	0	0	0	0	0	0	0
22	0	0	12	0	0	0	0	0	0	0	0	0
23	0	0	10	0	0	0	0	0	0	0	0	214
24	0	0	10	0	0	0	0	0	0	0	0	994
25	0	0	92	0	0	0	0	0	0	0	0	1,019
26	0	0	1,123	0	0	0	0	0	0	0	0	742
27	0	0	3,679	0	0	0	0	0	0	104	0	344
28	0	0	4,025	0	0	0	0	0	0	47	0	23
29	0		2,731	0	0	0	0	0	0	0	0	50
30	0		3,578	0	0	0	0	0	0	0	0	12
31	0		3,337		0		0	0		0		5
TOTAL	0	0	26,573	12,271	0	0	0	0	207	150	17	3,404
MAXIMUM	0	0	4,025	2,691	0	0	0	0	124	104	14	1,019
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	857	409	0	0	0	0	7	5	1	110
ACRE FT.	0	0	52,707	24,339	0	0	0	0	410	298	34	6,751
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 84,539

RESERVOIR SPILL (CFS)
GRANITE REEF DAM
FOR YEAR ENDING DECEMBER 31, 1992

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5	736	1,750	5,457	107	1,225	0	0	2,023	0	36	0
2	5	197	1,961	2,200	274	1,221	0	0	1,884	0	3	0
3	28	435	2,467	2,089	352	1,028	0	0	2,499	0	0	0
4	117	521	2,388	2,072	475	633	0	0	3,480	0	0	157
5	5	384	3,311	3,551	507	339	0	0	775	0	0	50
6	401	400	8,518	3,571	607	44	0	0	405	0	0	0
7	2,120	646	6,567	3,432	689	67	0	0	628	0	0	0
8	1,769	1,593	6,293	2,932	613	69	0	0	0	0	0	0
9	1,329	1,771	6,446	3,199	640	14	0	0	0	0	0	0
10	1,273	1,951	10,221	3,162	641	8	0	0	0	0	0	0
11	1,280	3,286	9,385	2,714	520	8	0	0	0	0	0	0
12	2,077	4,067	12,082	2,200	706	5	0	0	0	0	0	0
13	2,651	4,906	9,849	1,962	569	5	0	0	0	0	0	0
14	2,595	11,788	6,066	1,559	365	5	0	0	0	0	0	0
15	2,206	12,898	5,804	1,448	475	5	0	0	0	0	0	0
16	1,445	10,443	1,855	1,082	575	5	0	0	0	0	0	0
17	1,231	5,722	4,462	970	769	5	0	0	0	0	0	0
18	1,063	5,379	3,448	1,804	859	5	0	0	0	0	0	0
19	1,025	4,754	2,800	1,431	900	37	0	0	0	0	0	0
20	1,034	4,232	2,800	1,317	727	8	0	0	0	0	0	0
21	1,087	3,541	2,924	1,434	840	0	0	0	0	0	0	0
22	1,075	2,189	2,739	1,854	1,092	0	0	709	0	0	0	0
23	1,075	2,100	2,689	1,111	1,160	0	0	822	0	0	0	0
24	1,129	2,058	3,655	473	1,373	0	138	13,615	0	0	0	0
25	1,197	1,969	5,687	279	1,310	0	86	11,709	0	0	0	0
26	1,253	1,934	7,215	143	1,150	0	0	4,671	0	0	0	0
27	1,228	1,864	7,452	654	990	0	0	4,205	0	0	0	0
28	1,200	1,808	6,508	502	688	0	0	2,608	0	0	0	0
29	1,076	1,699	7,789	303	575	0	0	1,948	0	0	0	622
30	1,005		5,905	100	590	0	0	300	0	0	0	3,086
31	982		5,948		1,015		0	1,148		40		6,599
TOTAL	35,966	95,271	166,984	55,005	22,152	4,736	224	41,735	11,695	40	39	10,515
MAXIMUM	2,651	12,898	12,082	5,457	1,373	1,225	138	13,615	3,480	40	36	6,599
MINIMUM	5	197	1,750	100	107	0	0	0	0	0	0	0
MEAN	1,160	3,285	5,387	1,834	715	158	7	1,346	390	1	1	339
ACRE FT.	71,339	188,969	331,212	109,103	43,939	9,394	445	82,781	23,197	79	78	20,856
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 881,393

—INCLUDES OPERATIONAL AND STORM SPILLS AT GRANITE REEF

TOTAL RELEASE TO RIVER (CFS)
@ GRANITE REEF
FOR YEAR ENDING DECEMBER 31, 1993

03621
T

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10,110	11,800	15,184	8,482	4,137	2	0	0	0			
2	8,801	12,181	13,258	7,433	4,289	2	0	0	0			
3	9,126	11,442	13,414	7,132	4,362	2	0	0	0			
4	9,942	11,577	15,774	6,989	4,405	0	0	0	0			
5	13,943	9,398	18,306	6,826	3,356	0	0	0	0			
6	17,146	10,319	18,591	5,444	241	0	0	0	0			
7	19,312	11,066	17,472	4,060	2,305	0	0	0	0			
8	83,202	11,951	14,886	4,718	4,150	0	0	0	0			
9	99,397	19,541	4,247	4,617	4,505	0	0	0				
10	43,892	25,151	2,135	4,526	4,459	0	0	0				
11	56,255	25,021	1,426	4,545	4,496	0	0	0				
12	46,236	23,762	816	4,437	4,292	0	0	0				
13	39,270	18,449	4,084	4,355	4,202	0	0	0				
14	33,740	19,374	4,266	4,372	4,085	0	0	0				
15	36,429	19,356	5,323	3,623	4,089	0	0	0				
16	51,815	19,761	7,026	720	4,313	0	0	0				
17	46,310	17,883	7,982	872	2,115	0	0	0				
18	72,417	12,436	7,305	918	35	0	0	0				
19	68,942	13,234	7,424	769	35	0	0	0				
20	42,592	37,589	7,660	390	4	0	0	0				
21	42,566	47,961	7,696	320	4	0	0	0				
22	33,358	40,174	7,332	385	4	0	0	0				
23	26,978	39,292	6,577	329	18	0	0	0				
24	24,932	38,307	3,806	353	3,140	0	0	0				
25	24,210	28,797	5,743	381	4,161	0	0	0				
26	22,641	18,520	5,798	273	4,081	0	0	0				
27	16,004	14,823	6,276	2,315	3,972	0	0	0				
28	9,309	15,182	5,637	4,277	862	0	0	0				
29	8,393		5,522	4,238	2	0	0	0				
30	7,969		5,633	4,140	2	0	0	0				
31	8,304		6,095		2		0	0				

TOTAL	1,033,542	584,346	252,693	102,242	80,123	6	0	0	0			
MAXIMUM	99,397	47,961	18,591	8,482	4,505	2	0	0	0			
MINIMUM	7,969	9,398	816	273	2	0	0	0	0			
MEAN	33,340	20,870	8,151	3,408	2,585	0	0	0	0			
ACRE FT.	2,050,031	1,159,051	501,216	202,796	158,923	12	0	0	0			
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 4,072,030

RESERVOIR SPILL (CFS)
@ GRANITE REEF
FOR YEAR ENDING DECEMBER 31, 1994

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0		0	0	0	0	0	0	0	0	0	0
30	0		0	0	0	0	0	0	0	0	0	0
31	0		0		0		0	0		0		0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
ACRE FT.	0	0	0	0	0	0	0	0	0	0	0	0
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 0

INCLUDES OPERATIONAL AND STORM SPILLS AT GRANITE REEF

RESERVOIR SPILL (CFS)
@ GRANITE REEF
FOR YEAR ENDING DECEMBER 31, 1995

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.00	10.17	4,540.70	8.59	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	10.91	6,524.10	9.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	9.75	6,304.70	1,126.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	10.00	6,037.40	2,233.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	2,897.00	10.30	6,532.40	2,176.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	2,315.50	43.00	26,895.00	2,271.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	1,781.30	12.00	41,372.00	2,278.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	1,453.50	10.00	17,907.00	2,050.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	1,116.00	14.00	21,930.00	941.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	300.00	12.00	18,316.00	12.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	306.00	5.00	17,864.00	13.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	27.00	5.00	14,106.00	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	9.42	731.61	11,759.00	14.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	8.69	4,329.00	10,798.00	10.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	9.37	53,316.00	8,490.00	9.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	9.16	42,475.00	5,767.00	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	14,330.00	5,710.00	8.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	13,687.00	5,628.00	8.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	13,540.00	5,713.00	7.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	8,881.00	5,616.00	9.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	5.59	6,355.00	5,594.00	1.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	4.48	1,770.00	5,163.00	6.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	5.31	1,198.00	4,926.00	8.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	5.49	1,507.00	4,642.00	7.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	1,526.30	3,448.00	4,150.00	5.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	2,440.80	4,141.00	4,234.00	5.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	1,052.40	4,152.50	3,431.00	6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	400.23	4,397.80	273.00	4.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	239.43		62.00	5.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	152.00		80.00	6.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	124.00		39.00		0.00		0.00	0.00		0.00		0.00
TOTAL	16,188.97	178411.04	280404.30	13,271.78	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAXIMUM	2,897.00	53,316.00	41,372.00	2,278.12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MINIMUM	0.00	5.00	39.00	1.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	522.22	6,371.82	9,045.30	442.39	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ACRE FT.	32,110.82	353878.30	556181.93	26,324.58	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 968,498

INCLUDES OPERATIONAL AND STORM SPILLS AT GRANITE REEF

17:09 Tuesday, March 11, 1997
03621
58 M

RESERVOIR SPILL (CFS)
@ GRANITE REEF
FOR YEAR ENDING DECEMBER 31, 1996

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
30	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
31	0.00		0.00		0.00		0.00	0.00		0.00		0.00
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.09	0.00	0.00	0.00
MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03	0.00	0.00	0.00
MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00
ACRE FT.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.45	0.00	0.00	0.00
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 6.45

INCLUDES OPERATIONAL AND STORM SPILLS AT GRANITE REEF

15:04 Tuesday, February 17, 1998
03621
58 M

RESERVOIR SPILL (CFS)
@ GRANITE REEF
FOR YEAR ENDING DECEMBER 31, 1997

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00		0.00		0.00		0.00	0.00		0.00		0.00
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ACRE FT.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 0

INCLUDES OPERATIONAL AND STORM SPILLS AT GRANITE REEF

08:13 Friday, March 5, 1999
03621
58 M

RESERVOIR SPILL (CFS)
@ GRANITE REEF
FOR YEAR ENDING DECEMBER 31, 1998

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.00	0.00	0.00	3,025.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	3,268.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	2,582.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	2,092.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	1,783.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	1,327.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	260.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	43.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	642.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	1,062.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	2,464.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	4,909.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	7,603.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	5,427.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	1,395.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	54.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	164.93	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170.76	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00		579.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00		995.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00		2,873.79		0.00		0.00	0.00		0.00		0.00
TOTAL	0.00	0.00	4,449.21	37,943.84	0.00	0.00	0.00	0.00	0.00	335.69	0.00	0.00
MAXIMUM	0.00	0.00	2,873.79	7,603.40	0.00	0.00	0.00	0.00	0.00	170.76	0.00	0.00
MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	0.00	0.00	143.52	1,264.79	0.00	0.00	0.00	0.00	0.00	10.83	0.00	0.00
ACRE FT.	0.00	0.00	8,825.01	75,261.61	0.00	0.00	0.00	0.00	0.00	665.84	0.00	0.00
INCHES												

TOTAL ACRE-FEET FOR THE YEAR 84,752

INCLUDES OPERATIONAL AND STORM SPILLS AT GRANITE REEF

INFORMATION FROM THE SALT RIVER PROJECT
RESERVOIR SPILL PRINTOUT

APPENDIX F

SUMMARY OF CHEMICAL ANALYSES OF WELL WATER

CITY OF MESA

NORTHWEST WATER RECLAMATION PLANT

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02668 Name : GW MW #1 A(1-5)18BBC
Latitude: 332557.000 Longitude: 1115329.000
Township: 01N Range : 05E
Section : 18 Quarter :

Invnum: 100369
Permit: P100369

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

Monthly Sampling
Quarterly Reporting

TOTAL NITROGEN — PERMIT LIMIT: 10.0000 MG/L — ACTION LEVEL: 8.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/06/98	07/31/98	00600	CALCUL	000	=2.4400	MG/L
08/01/98	08/31/98	00600	CALCUL	000	=2.0000	MG/L
09/01/98	09/30/98	00600	CALCUL	000	=0.0000	MG/L

NITRATE-NITRITE AS N — PERMIT LIMIT: 10.0000 MG/L — ACTION LEVEL: 8.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/06/98	07/13/98	00620	EPA	034	=2.0000	MG/L
08/05/98	08/17/98	00620	EPA	034	=1.5000	MG/L
09/01/98	09/01/98	00620	EPA	000	=0.0000	MG/L

TOTAL KJELDAHL NITROGEN — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/06/98	07/13/98	00625	EPA	003	=0.4400	MG/L
08/05/98	08/12/98	00625	EPA	003	=0.5000	MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

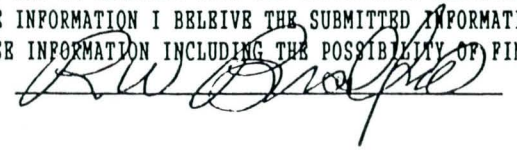
MONTHLY SAMPLING - QUARTERLY REPORTING
Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02668 Name : GW MW #1 A(1-5)18BBC

Invnum: 100369
Permit: P100369

TOTAL KJELDAHL NITROGEN

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT CONCENTRATION	PERMIT LIMIT REPORTED	ACTION LEVEL
					Reserved MG/L		No Action Level
09/01/98	09/01/98	00625	EPA	000	=0.0000	MG/L	MG/L

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT  DATE 10/22/98

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02668 Name : GW MW #1 A(1-5)18BBC
Latitude: 332557.000 Longitude: 1115329.000
Township: 01N Range : 05E
Section : 18 Quarter :

Invnum: 100369
Permit: P100369

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

Quarterly Sampling
Quarterly Reporting

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED	PERMIT LIMIT	ACTION LEVEL
PH							Reserved SU	No Action Level
07/27/98	07/27/98	00400	EPA	000	=7.0100	SU		SU
TOTAL ALKALINITY							Reserved MG/L	No Action Level
07/27/98	08/26/98	0043B	EPA	563	=128.0000	MG/L		MG/L
TOTAL HARDNESS							Reserved MG/L	No Action Level
07/27/98	09/14/98	00900	EPA	563	=251.0000	MG/L		MG/L
TOTAL CALCIUM							Reserved MG/L	No Action Level
07/27/98	08/20/98	00916	EPA	563	=66.0000	MG/L		MG/L
TOTAL MAGNESIUM							Reserved MG/L	No Action Level
07/27/98	08/15/98	00927	EPA	563	=21.0000	MG/L		MG/L
TOTAL SODIUM							Reserved MG/L	No Action Level
07/27/98	08/20/98	00929	EPA	563	=180.0000	MG/L		MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

QUARTERLY SAMPLING - QUARTERLY REPORTING
Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02668 Name : GW MW #1 A(1-5)18BBC

Invnum: 100369
Permit: P100369

CHLORIDE — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		PERMIT LIMIT	ACTION LEVEL
07/27/98	08/19/98	00940		563	=240.0000	MG/L		MG/L

TOTAL FLUORIDE — PERMIT LIMIT: 4.0000 MG/L — ACTION LEVEL: 3.2000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		PERMIT LIMIT	ACTION LEVEL
07/27/98	08/21/98	00951	EPA	563	=0.6100	MG/L		MG/L

TOTAL ARSENIC (AS AS) — PERMIT LIMIT: 0.0500 MG/L — ACTION LEVEL: 0.0400

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		PERMIT LIMIT	ACTION LEVEL
07/27/98	08/14/98	01002	EPA	563	=0.0190	MG/L		MG/L

TOTAL BARIUM — PERMIT LIMIT: 2.0000 MG/L — ACTION LEVEL: 1.6000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		PERMIT LIMIT	ACTION LEVEL
07/27/98	08/09/98	01007	EPA	563	=0.0500	MG/L		MG/L

TOTAL CADMIUM (AS CD) — PERMIT LIMIT: 0.0050 MG/L — ACTION LEVEL: 0.0040

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		PERMIT LIMIT	ACTION LEVEL
07/27/98	08/09/98	01027	EPA	563	<0.0030	MG/L		MG/L

TOTAL CHROMIUM — PERMIT LIMIT: 0.1000 MG/L — ACTION LEVEL: 0.0800

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		PERMIT LIMIT	ACTION LEVEL
07/27/98	08/09/98	01029	EPA	563	<0.0100	MG/L		MG/L

TOTAL LEAD (AS PB) — PERMIT LIMIT: 0.0500 MG/L — ACTION LEVEL: 0.0400

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		PERMIT LIMIT	ACTION LEVEL
07/27/98	08/17/98	01051	EPA	563	<0.0020	MG/L		MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

QUARTERLY SAMPLING - QUARTERLY REPORTING
Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02668 Name : GW MW #1 A(1-5)18BBC

Invnum: 100369
Permit: P100369

TOTAL SELENIUM (AS SE) — PERMIT LIMIT: 0.0500 MG/L — ACTION LEVEL: 0.0400

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/27/98	07/28/98	01147	EPA	563	<0.0050	MG/L

BROMOFORM — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/27/98	08/10/98	32104	EPA	563	<0.0005	MG/L

DIBROMOCHLORO METHANE — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/27/98	08/10/98	32105	EPA	563	<0.0005	MG/L

CHLOROFORM — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/27/98	08/10/98	32106	EPA	563	<0.0005	MG/L

BROMODICHLORO METHANE — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/27/98	08/10/98	38693	EPA	563	<0.0005	MG/L

TOTAL DISSOLVED SOLIDS — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/27/98	07/29/98	70295	EPA	563	=794.0000	MG/L

TOTAL MERCURY (AS HG) — PERMIT LIMIT: 0.0020 MG/L — ACTION LEVEL: 0.0016

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/27/98	07/29/98	71900	EPA	563	<0.0002	MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

QUARTERLY SAMPLING - QUARTERLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT — Invnum: 100369

Point : A02668 Name : GW MW #1 A(1-5)18BBC — Permit: P100369

DEPTH TO WATER — PERMIT LIMIT: Reserved FT — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/27/98	07/27/98	72019	EPA	000	=46.5000	FT

TOTAL COLIFORM — PERMIT LIMIT: Reserved CFU — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
08/05/98	08/07/98	74056		004	<1.0000	CFU

SULFATE — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/27/98	08/19/98	81020	EPA	563	=110.0000	MG/L

TRIHALO METHANE (TTHM) — PERMIT LIMIT: 0.1000 MG/L — ACTION LEVEL: 0.0800

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/27/98	08/10/98	82080	EPA CALCUL	000	<0.0005	MG/L

FLUORIDE — PERMIT LIMIT: 4.0000 MG/L — ACTION LEVEL: 4.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/27/98	08/21/98	FLRDE		563	=0.6100	MG/L

SPECIFIC CONDUCTANCE (FIELD) — PERMIT LIMIT: Reserved M/CM — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/27/98	07/27/98	SCFLD		000	=1.3650	M/CM

TEMPERATURE (FIELD) — PERMIT LIMIT: Reserved F° — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/27/98	07/27/98	TEMFD		000	=24.8000	F°

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT R W Brooks DATE 10/22/98

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02668 Name : GW MW #1 A(1-5)18BBC
Latitude: 332557.000 Longitude: 1115329.000
Township: 01N Range : 05E
Section : 18 Quarter :

Invnum: 100369
Permit: P100369

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

Semi-Annual Sampling
Semi-Annual Reporting
MW1

2,4,5-TP OR SILVEX PROPIONIC ACID					PERMIT LIMIT 50.0000 UG/L		ACTION LEVEL No Action Level	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED		
07/27/98	08/04/98	24D		510	<0.2000	UG/L		UG/L
CARBON TETRACHLORIDE					PERMIT LIMIT 5.0000 UG/L		ACTION LEVEL 4.0000	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED		
07/27/98	08/10/98	32102	EPA	563	<0.5000	UG/L		UG/L
TOLUENE					PERMIT LIMIT 1000.0000 UG/L		ACTION LEVEL 800.0000	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED		
07/27/98	08/10/98	34010	EPA	563	<0.5000	UG/L		UG/L
BENZENE					PERMIT LIMIT 5.0000 UG/L		ACTION LEVEL 4.0000	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED		
07/27/98	08/10/98	34030	EPA	563	<0.5000	UG/L		UG/L
TETRACHLORO ETHYLENE					PERMIT LIMIT 5.0000 UG/L		ACTION LEVEL 4.0000	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED		
07/27/98	08/10/98	34475	EPA	563	<0.5000	UG/L		UG/L
1,1-DICHLORO ETHYLENE					PERMIT LIMIT 7.0000 UG/L		ACTION LEVEL 5.6000	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED		
07/27/98	08/10/98	34501	EPA	563	<0.5000	UG/L		UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING
Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02668 Name : GW MW #1 A(1-5)18BBC

Invnum: 100369
Permit: P100369

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
1,1,1-TRICHLORO ETHANE						200.0000 UG/L	160.0000
07/27/98	08/10/98	34506	EPA	563	<0.5000 UG/L		UG/L
1,2-DICHLORO ETHANE						5.0000 UG/L	4.0000
07/27/98	08/10/98	34531	EPA	563	<0.5000 UG/L		UG/L
1,2-DICHLORO PROPANE						5.0000 UG/L	4.0000
07/27/98	08/10/98	34541	EPA	563	<0.5000 UG/L		UG/L
ETHYL BENZENE						700.0000 UG/L	560.0000
07/27/98	08/10/98	37371	EPA	563	<0.5000 UG/L		UG/L
1,2-DIBROMO-3-CHLORO PROPANE						0.2000 UG/L	No Action Level
07/27/98	07/31/98	38437	EPA	563	<0.0200 UG/L		UG/L
ALACHLOR						2.0000 UG/L	No Action Level
07/27/98	08/02/98	39161	EPA	563	<0.5000 UG/L		UG/L
TRICHLORO ETHYLENE						5.0000 UG/L	4.0000
07/27/98	08/10/98	39180	EPA	563	<0.5000 UG/L		UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING
Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02668 Name : GW MW #1 A(1-5)18BBC

Invnum: 100369
Permit: P100369

CHLORDANE					PERMIT LIMIT 2.0000 UG/L	ACTION LEVEL No Action Level	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
07/27/98	08/06/98	39350	EPA	563	<0.5000	UG/L	UG/L
ENDRIN					PERMIT LIMIT 2.0000 UG/L	ACTION LEVEL No Action Level	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
07/27/98	08/06/98	39390	EPA	563	<0.1000	UG/L	UG/L
TOXAPHENE					PERMIT LIMIT 3.0000 UG/L	ACTION LEVEL No Action Level	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
07/27/98	08/06/98	39400	EPA	563	<1.0000	UG/L	UG/L
HEPTACHLOR					PERMIT LIMIT 0.4000 UG/L	ACTION LEVEL No Action Level	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
07/27/98	08/06/98	39410	EPA	563	<0.0500	UG/L	UG/L
HEPTACHLOR EPOXIDE					PERMIT LIMIT 0.2000 UG/L	ACTION LEVEL No Action Level	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
07/27/98	08/06/98	39420	EPA	563	<0.0500	UG/L	UG/L
METHOXYCHLOR					PERMIT LIMIT 40.0000 UG/L	ACTION LEVEL No Action Level	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
07/27/98	08/06/98	39480	EPA	563	<1.0000	UG/L	UG/L
LINDANE					PERMIT LIMIT 0.2000 UG/L	ACTION LEVEL No Action Level	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
07/27/98	08/06/98	46322		563	<0.0500	UG/L	UG/L

SELF MONITORING REPORT FORM
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BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING
Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02668 Name : GW MW #1 A(1-5)18BBC

Invnum: 100369
Permit: P100369

					PERMIT LIMIT		ACTION LEVEL
STYRENE					100.0000 UG/L		80.0000
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED	
07/27/98	08/10/98	77128	EPA	563	<0.5000	UG/L	UG/L
TOTAL XYLENE					10000.0000 UG/L		8000.0000
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED	
07/27/98	08/10/98	81551	EPA	563	<0.5000	UG/L	UG/L
CIS-1,2-DICHLORO ETHENE					70.0000 UG/L		56.0000
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED	
07/27/98	08/10/98	81574	EPA	563	<0.5000	UG/L	UG/L
CARBOFURAN					40.0000 UG/L		No Action Level
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED	
07/27/98	08/04/98	82674		563	<2.0000	UG/L	UG/L
TRANS-1,2-DICHLORO ETHYLENE					100.0000 UG/L		80.0000
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED	
07/27/98	08/10/98	85810	EPA	563	<0.5000	UG/L	UG/L
ETHYLENE DIBROMIDE					0.0500 UG/L		No Action Level
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED	
07/27/98	07/31/98	99978	EPA	563	<0.0200	UG/L	UG/L
2,4-DICHLOROPHENO ACETIC ACID					70.0000 UG/L		No Action Level
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED	
07/27/98	08/04/98	ACETI	EPA	510	<0.2000	UG/L	UG/L

SELF MONITORING REPORT FORM
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Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02668 Name : GW MW #1 A(1-5)18BBC

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SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		PERMIT LIMIT	ACTION LEVEL
ATRAZINE							3.0000 UG/L	No Action Level
07/27/98	08/02/98	ATRAZ		563	<0.5000	UG/L		UG/L
MONOCHLORO BENZENE							100.0000 UG/L	80.0000
07/27/98	08/10/98	MCBEN		563	<0.5000	UG/L		UG/L
O-DICHLORO BENZENE							600.0000 UG/L	480.0000
07/27/98	08/10/98	ODBEN		563	<0.5000	UG/L		UG/L
POLYCHLORINATED BIPHENOLS							0.5000 UG/L	No Action Level
07/27/98	08/02/98	PCBS	EPA	563	<0.5000	UG/L		UG/L
PARA-DICHLORO BENZENE							75.0000 UG/L	60.0000
07/27/98	08/10/98	PDBEN		563	<0.5000	UG/L		UG/L
VINYL CHLORIDE							2.0000 UG/L	1.6000
07/27/98	08/10/98	VICHL		563	<0.5000	UG/L		UG/L

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT RW Bradford DATE 2/3/99

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00451 Name : NW WELL #2 18 BCD
Latitude: _____._ Longitude: _____._
Township: Range :
Section : Quarter :

Invnum: 100369
Permit: R-0086-07

City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

SPECIFIC CONDUCTANCE — PERMIT LIMIT: Reserved M/CM — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
11/21/96	11/25/96	00094	STD 205	0061	1320 M/CM

PH — PERMIT LIMIT: 6.50- 9.00SU — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
11/21/96	11/27/96	00400	EPA 150.1	0061	7.8 SU

ALKALINITY (CACO3) — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
11/21/96	11/27/96	00410	EPA 310.1	0061	143 MG/L

TOTAL NITROGEN — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: 10.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
11/21/96	12/13/96	00600	353.2/351.2	0061	1.3 MG/L

NITRATE-NITRITE AS N — PERMIT LIMIT: 10.0000 MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
11/21/96	12/07/96	00620	EPA 353.2	0061	1.34 MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00451 Name : NW WELL #2 18 BCD

Invnum: 100369
Permit: R-0086-07

TOTAL KJELDAHL NITROGEN

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
					Reserved MG/L	No Action Level	
11/21/96	12/06/96	00625	EPA 351.2	0061			<0.2 MG/L MG/L

TOTAL CALCIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
					Reserved MG/L	No Action Level	
11/21/96	12/05/96	00916	EPA 200.7/6010	0061			74.1 MG/L MG/L

TOTAL MAGNESIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
					Reserved MG/L	No Action Level	
11/21/96	12/05/96	00927	EPA 200.7/6010	0061			26.2 MG/L MG/L

TOTAL SODIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
					Reserved MG/L	No Action Level	
11/21/96	12/05/96	00929	EPA 200.7/6010	0061			242 MG/L MG/L

TOTAL POTASSIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
					Reserved MG/L	No Action Level	
11/21/96	12/05/96	00937	EPA 200.7/6010	0061			6.0 MG/L MG/L

CHLORIDE

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
					Reserved MG/L	No Action Level	
11/21/96	11/27/96	00941	EPA 325.2	0061			260 MG/L MG/L

TOTAL SULFATE (AS SO4)

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
					Reserved MG/L	No Action Level	
11/21/96	12/06/96	00945	EPA 375.2	0061			150 MG/L MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00451 Name : NW WELL #2 18 BCD

Invnum: 100369
Permit: R-0086-07

DEPTH TO WATER

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT CONCENTRATION REPORTED	ACTION LEVEL
					Reserved FT	No Action Level
11/21/96	11/21/96	72019	EPA flow	—	61.0 FT	

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT _____ DATE _____

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00451 Name : NW WELL #2 18 BCD
Latitude: _____._ Longitude: _____._
Township: Range :
Section : Quarter :

Invnum: 100369
Permit: R-0086-07

City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

YEARLY SAMPLING - YEARLY REPORTING

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED	
TOTAL ARSENIC (AS AS)	05/22/96	05/28/96	01002	EPA 206.2	0061	0.0500 MG/L	No Action Level	0.030 MG/L	MG/L
TOTAL BARIUM	05/22/96	05/29/96	01007	EPA 200.7	0061	1.0000 MG/L	No Action Level	0.060 MG/L	MG/L
TOTAL CADMIUM (AS CD)	05/22/96	06/04/96	01027	EPA 213.2	0061	0.0100 MG/L	No Action Level	<0.0005 MG/L	MG/L
TOTAL CHROMIUM	05/22/96	05/29/96	01029	EPA 200.7	0061	0.0500 MG/L	No Action Level	0.031 MG/L	MG/L
TOTAL LEAD (AS PB)	05/22/96	05/24/96	01051	EPA 239.2	0061	0.0500 MG/L	No Action Level	<0.002 MG/L	MG/L

BELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00451 Name : NW WELL #2 18 BCD

Invnum: 100369
Permit: R-0086-07

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
TOTAL SILVER (AS AG)							0.0500 MG/L	No Action Level
	05/22/96	05/29/96	01077	EPA 200.7	0061	<0.010 MG/L		MG/L
TOTAL SELENIUM (AS SE)							0.0100 MG/L	No Action Level
	05/22/96	06/03/96	01147	EPA 270.2	0061	<0.005 MG/L		MG/L
BROMODICHLORO METHANE							Reserved UG/L	No Action Level
	05/22/96	05/24/96	32101	EPA ~~601~~ 624	0061	<5 UG/L		UG/L
CARBON TETRACHLORIDE							5.0000 UG/L	No Action Level
	05/22/96	05/24/96	32102	EPA ~~601~~ 624	0061	<4 UG/L		UG/L
BROMOFORM							Reserved UG/L	No Action Level
	05/22/96	05/24/96	32104	EPA ~~601~~ 624	0061	<5 UG/L		UG/L
DIBROMOCHLORO METHANE							Reserved UG/L	No Action Level
	05/22/96	05/24/96	32105	EPA ~~601~~ 624	0061	<5 UG/L		UG/L
CHLOROFORM							Reserved UG/L	No Action Level
	05/22/96	05/24/96	32106	EPA ~~601~~ 624	0061	<5 UG/L		UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00451 Name : NW WELL #2 18 BCD

Invnum: 100369
Permit: R-0086-07

TOLUENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 2000.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34010	EPA 601/624	0061	<5	UG/L

BENZENE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34030	EPA 601/624	0061	<4	UG/L

CHLORO BENZENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 60.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34301	EPA 601/624	0061	<5	UG/L

CHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34311	EPA 601/624	0061	<10	UG/L

BROMO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34413	EPA 601/624	0061	<10	UG/L

CHLORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34418	EPA 601/624	0061	<0.5	UG/L

METHYLENE CHLORIDE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 4.7000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34423	EPA 601/624	0061	<4	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00451 Name : NW WELL #2 18 BCD

Invnum: 100369
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TETRACHLORO ETHENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34475	EPA 601/624	0061	<1.0	UG/L	UG/L

TRICHLOROFLUORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34488	EPA 601/624	0061	<1.0	UG/L	UG/L

1,1-DICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34496	EPA 601/624	0061	<5	UG/L	UG/L

1,1-DICHLORO ETHENE — PERMIT LIMIT: 7.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34501	EPA 601/624	0061	<4	UG/L	UG/L

1,1,1-TRICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 200.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34506	EPA 601/624	0061	<5	UG/L	UG/L

1,1,2-TRICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34511	EPA 601/624	0061	<1.0	UG/L	UG/L

1,1,2,2-TETRACHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34516	EPA 601/624	0061	<0.5	UG/L	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00451 Name : NW WELL #2 18 BCD

Invnum: 100369
Permit: R-0086-07

1,2-DICHLORO ETHANE

PERMIT LIMIT	ACTION LEVEL
5.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34531	EPA 601/624	0061	<4	UG/L

1,2-DICHLORO BENZENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	620.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34536	EPA 601/624	0061	<5	UG/L

1,2-DICHLORO PROPANE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34541	EPA 601/624	0061	<1.0	UG/L

1,3-DICHLORO BENZENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34566	EPA 601/624	0061	<5	UG/L

2-CHLOROETHYLVINYL ETHER

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34576	EPA 601/624	0061	<10	UG/L

DICHLORODIFLUORO METHANE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34668	EPA 601/624	0061	<1.0	UG/L

TRANS-1,3-DICHLORO PROPENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34699	EPA 601/624	0061	<5	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT — Invnum: 100369
Point : A00451 Name : NW WELL #2 18 BCD — Permit: R-0086-07

CIS-1,3-DICHLORO PROPENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34704	EPA 601/624	0061	<5	UG/L

1,4-DICHLORO BENZENE — PERMIT LIMIT: 75.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34751	EPA 601/624	0061	<5	UG/L

ETHYL BENZENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 680.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	37371	EPA 601/624	0061	<5	UG/L

VINYL CHLORIDE — PERMIT LIMIT: 2.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	39175	EPA 601/624	0061	~~<5~~ <2.0	UG/L

TRICHLORO ETHENE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	39180	EPA 601/624	0061	<4	UG/L

TOTAL MERCURY (AS HG) — PERMIT LIMIT: 0.0020 MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/03/96	71900	EPA 245.1	0061	<0.0002	MG/L

TOTAL XYLENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 440.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	81551	EPA 624	0061	<5	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00451 Name : NW WELL #2 18 BCD

Invnum: 100369
Permit: R-0086-07

2,4- D

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
05/22/96	06/05/96	81769	EPA 615	0061	<1.0 UG/L	100.0000 UG/L	No Action Level UG/L

TRIHALO METHANE (TTHM)

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
05/22/96	05/24/96	82080	EPA 601/624	0061	<5 UG/L	100.0000 UG/L	No Action Level UG/L

ETHYLENE DIBROMIDE

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
05/22/96	06/06/96	99978	EPA 504	0061	<0.02 UG/L	Reserved UG/L	No Action Level UG/L

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Mary H Tyo DATE 6/13/96

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point No: A02745
Point Name: MW MW #2 A(1-5)18BCD
Latitude: 332545.000
Longitude: 1115316.000
Township: 01N
Range: 04E
Section: 18
Quarter:

Invnum: 100369
Permit: P100369
From: 01/01/99
To: 03/31/99
Monthly Sampling
Quarterly Reporting

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

TOTAL NITROGEN PERMIT LIMIT: 10.0000 MG/L ACTION LEVEL: 8.0000 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	1/31/99	00600	CALCULATIO	563	=	1.8000	MG/L
2/24/99	2/28/99	00600	CALCULATIO	563	=	2.6500	MG/L
3/9/99	3/31/99	00600	CALCULATIO	563	=	2.1300	MG/L

NITRATE-NITRITE AS N PERMIT LIMIT: 10.0000 MG/L ACTION LEVEL: 8.0000 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	1/21/99	00620		563	=	1.2000	MG/L
2/24/99	3/3/99	00620		563	=	2.4700	MG/L
3/9/99	3/10/99	00620		563	=	2.0800	MG/L

TOTAL KJELDAHL NITROGEN PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	2/1/99	00625		563	=	0.6000	MG/L
2/24/99	3/2/99	00625		563	=	0.1800	MG/L
3/9/99	3/12/99	00625		563	=	0.0500	MG/L

I CERTIFY UNDER PENTALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT R W Brazier DATE 4/27/99

EDR Print Date: 4/26/99

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point No: A02745
Latitude: 332545.000
Township: 01N
Section: 18

Point Name: MW MW #2 A(1-5)18BCD
Longitude: 1115316.000
Range: 04E
Quarter:

Invnum: 100369
Permit: P100369
From: 01/01/99
To: 03/31/99
Quarterly Sampling
Quarterly Reporting

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

PH PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
2/24/99	1/21/99	00400		563	= 7.2500 SU

TOTAL ALKALINITY PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/25/99	0043B		563	= 140.0000 MG/L

TOTAL HARDNESS PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/28/99	00900		563	= 297.0000 MG/L

TOTAL CALCIUM PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/26/99	00916		563	= 76.0000 MG/L

TOTAL MAGNESIUM PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/26/99	00927		563	= 26.0000 MG/L

TOTAL SODIUM PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/27/99	00929		563	= 190.0000 MG/L

CHLORIDE PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/28/99	00940		563	= 310.0000 MG/L

TOTAL FLUORIDE PERMIT LIMIT: 4.0000 MG/L ACTION LEVEL: 3.2000 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/28/99	00951		563	< 0.4000 MG/L

TOTAL ARSENIC (AS AS) PERMIT LIMIT: 0.0500 MG/L ACTION LEVEL: 0.0400 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/26/99	01002		563	< 0.0100 MG/L

TOTAL BARIUM PERMIT LIMIT: 2.0000 MG/L ACTION LEVEL: 1.6000 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/26/99	01007		563	= 0.0680 MG/L

TOTAL CADMIUM (AS CD) PERMIT LIMIT: 0.0050 MG/L ACTION LEVEL: 0.0040 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/26/99	01027		563	< 0.0010 MG/L

TOTAL CHROMIUM PERMIT LIMIT: 0.1000 MG/L ACTION LEVEL: 0.0800 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/26/99	01029		563	< 0.0100 MG/L

TOTAL LEAD (AS PB) PERMIT LIMIT: 0.0500 MG/L ACTION LEVEL: 0.0400 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/26/99	01051		563	< 0.0150 MG/L

TOTAL SELENIUM (AS SE) PERMIT LIMIT: 0.0500 MG/L ACTION LEVEL: 0.0400 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/26/99	01147		563	< 0.0200 MG/L

BROMOFORM PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/26/99	32104		563	< 0.0005 MG/L

DIBROMOCHLORO METHANE PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/26/99	32105		563	< 0.0005 MG/L

CHLOROFORM PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/26/99	32106		563	< 0.0005 MG/L

BROMODICHLORO METHANE PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/26/99	38693		563	< 0.0005 MG/L

TOTAL DISSOLVED SOLIDS PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	1/22/99	70295		563	=	910.0000	MG/L

TOTAL MERCURY (AS HG) PERMIT LIMIT: 0.0020 MG/L ACTION LEVEL: 0.0016 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	1/28/99	71900		563	<	0.0002	MG/L

DEPTH TO WATER PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
2/24/99	2/24/99	72019		563	=	53.5000	FT

TOTAL COLIFORM PERMIT LIMIT: 0.0000 CFU ACTION LEVEL: 0.0000 CFU

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	1/22/99	74056		563	=	0.0000	CFU

SULFATE PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	1/28/99	81020		563	=	140.0000	MG/L

TRIHALO METHANE (TTHM) PERMIT LIMIT: 0.1000 MG/L ACTION LEVEL: 0.0800 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	1/26/99	82080	CALCULATIO	563	<	0.0005	MG/L

FLUORIDE PERMIT LIMIT: 4.0000 MG/L ACTION LEVEL: 3.2000 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	1/28/99	FLRDE		563	<	0.4000	MG/L

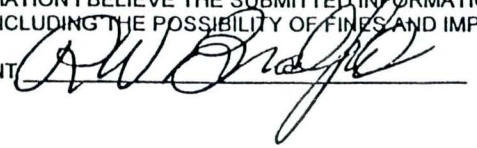
SPECIFIC CONDUCTANCE (FIELD) PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
2/24/99	2/24/99	SCFLD		563	=	1.5410	M/CM

TEMPERATURE (FIELD) PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
2/24/99	2/24/99	TEMFD		563	=	24.0000	C°

I CERTIFY UNDER PENTALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT  DATE 4/27/99

EDR Print Date: 4/26/99

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00452 Name : NW WELL #3 18 BDD
Latitude: _____._ Longitude: _____._
Township: Range :
Section : Quarter :

Invnum: 00369
Permit: AZ-0086-07

City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
SPECIFIC CONDUCTANCE	11/21/96	11/25/96	00094	STD 205	0061	1220 M/CM	Reserved M/CM	No Action Level
PH	11/21/96	11/21/96	00400	EPA 150.1	0061	7.5 SU	6.50- 9.00SU	No Action Level
ALKALINITY (CACO3)	11/21/96	11/21/96	00410	EPA 310.1	0061	154 MG/L	Reserved MG/L	No Action Level
TOTAL NITROGEN	11/21/96	12/13/96	00600	353.2/351.2	0061	1.7 MG/L	Reserved MG/L	10.0000
NITRATE-NITRITE AS N	11/21/96	12/01/96	00620	EPA 353.2	0061	1.69 MG/L	10.0000 MG/L	No Action Level

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00452 Name : NW WELL #3 18 BDD

Invnum: 100369
Permit: R-0086-07

TOTAL KJELDAHL NITROGEN — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/06/96	00625	EPA 351.2	0061	<0.2	MG/L

TOTAL CALCIUM — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/05/96	00916	EPA 200.7/6010	0061	68.1	MG/L

TOTAL MAGNESIUM — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/05/96	00927	EPA 200.7/6010	0061	23.9	MG/L

TOTAL SODIUM — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/05/96	00929	EPA 200.7/6010	0061	205	MG/L

TOTAL POTASSIUM — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/05/96	00937	EPA 200.7/6010	0061	5.8	MG/L

CHLORIDE — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	11/27/96	00941	EPA 325.2	0061	230	MG/L

TOTAL SULFATE (AS SO4) — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/06/96	00945	EPA 375.2	0061	130	MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00452 Name : NW WELL #3 18 BDD

Invnum: 100369
Permit: R-0086-07

DEPTH TO WATER

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT CONCENTRATION REPORTED	ACTION LEVEL
					Reserved FT	No Action Level
11/12/96	11/12/96	72019	EPA FIELD	—	65.5 FT	

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT _____ DATE _____

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00452 Name : NW WELL #3 18 BDD
Latitude: _____._ Longitude: _____._
Township: Range :
Section : Quarter :

Invnum: 100369
Permit: R-0086-07

City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

YEARLY SAMPLING - YEARLY REPORTING

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED	
TOTAL ARSENIC (AS AS)	05/22/96	05/28/96	01002	EPA 206.2	0061	0.0500 MG/L	No Action Level	0.030	MG/L
TOTAL BARIUM	05/22/96	05/29/96	01007	EPA 200.7	0061	1.0000 MG/L	No Action Level	0.057	MG/L
TOTAL CADMIUM (AS CD)	05/22/96	05/30/96	01027	EPA 213.2	0061	0.0100 MG/L	No Action Level	<0.0005	MG/L
TOTAL CHROMIUM	05/22/96	05/29/96	01029	EPA 200.7	0061	0.0500 MG/L	No Action Level	0.028	MG/L
TOTAL LEAD (AS PB)	05/22/96	05/24/96	01051	EPA 239.2	0061	0.0500 MG/L	No Action Level	<0.002	MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00452 Name : NW WELL #3 18 BDD

Invnum: 100369
Permit: R-0086-07

TOTAL SILVER (AS AG) — PERMIT LIMIT: 0.0500 MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			
05/22/96	05/29/96	01077	EPA 200.7	0061	<0.010	MG/L		MG/L

TOTAL SELENIUM (AS SE) — PERMIT LIMIT: 0.0100 MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			
05/22/96	06/03/96	01147	EPA 270.2	0061	<0.005	MG/L		MG/L

BROMODICHLORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			
05/22/96	05/24/96	32101	EPA 601/624	0061	<5	UG/L		UG/L

CARBON TETRACHLORIDE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			
05/22/96	05/24/96	32102	EPA 601/624	0061	<4	UG/L		UG/L

BROMOFORM — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			
05/22/96	05/24/96	32104	EPA 601/624	0061	<5	UG/L		UG/L

DIBROMOCHLORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			
05/22/96	05/24/96	32105	EPA 601/624	0061	<5	UG/L		UG/L

CHLOROFORM — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			
05/22/96	05/24/96	32106	EPA 601/624	0061	<5	UG/L		UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00452 Name : NW WELL #3 18 BDD

Invnum: 100369
Permit: R-0086-07

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
TOLUENE						Reserved UG/L	2000.0000
05/22/96	05/24/96	34010	EPA 60X/624	0061	<5 UG/L		UG/L
BENZENE						5.0000 UG/L	No Action Level
05/22/96	05/24/96	34030	EPA 60X/624	0061	<4 UG/L		UG/L
CHLORO BENZENE						Reserved UG/L	60.0000
05/22/96	05/24/96	34301	EPA 60X/624	0061	<5 UG/L		UG/L
CHLORO ETHANE						Reserved UG/L	No Action Level
05/22/96	05/24/96	34311	EPA 60X/624	0061	<10 UG/L		UG/L
BROMO METHANE						Reserved UG/L	No Action Level
05/22/96	05/24/96	34413	EPA 60X/624	0061	<10 UG/L		UG/L
CHLORO METHANE						Reserved UG/L	0.5000
05/22/96	05/24/96	34418	EPA 601/624	0061	<0.5 UG/L		UG/L
METHYLENE CHLORIDE						Reserved UG/L	4.7000
05/22/96	05/24/96	34423	EPA 601/624	0061	<4 UG/L		UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00452 Name : NW WELL #3 18 BDD

Invnum: 100369
Permit: B-0086-07

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
TETRACHLORO ETHENE	05/22/96	05/24/96	34475	EPA 601/624	0061	Reserved UG/L	1.0000 UG/L	<1.0 UG/L
TRICHLOROFLUORO METHANE	05/22/96	05/24/96	34488	EPA 601/624	0061	Reserved UG/L	1.0000 UG/L	~~<1.0~~ <1.0 UG/L
1,1-DICHLORO ETHANE	05/22/96	05/24/96	34496	EPA 601/624	0061	Reserved UG/L	No Action Level	<5 UG/L
1,1-DICHLORO ETHENE	05/22/96	05/24/96	34501	EPA 601/624	0061	7.0000 UG/L	No Action Level	<4 UG/L
1,1,1-TRICHLORO ETHANE	05/22/96	05/24/96	34506	EPA 601/624	0061	Reserved UG/L	200.0000 UG/L	~~<1.0~~ <5 UG/L
1,1,2-TRICHLORO ETHANE	05/22/96	05/24/96	34511	EPA 601/624	0061	Reserved UG/L	1.0000 UG/L	~~<4~~ <1.0 UG/L
1,1,2,2-TETRACHLORO ETHANE	05/22/96	05/24/96	34516	EPA 601/624	0061	Reserved UG/L	0.5000 UG/L	<0.5 UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00452 Name : NW WELL #3 18 BDD

Invnum: 100369
Permit: R-0086-07

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
1,2-DICHLORO ETHANE						5.0000 UG/L	No Action Level
05/22/96	05/24/96	34531	EPA 601/624	0061	< 4 UG/L		UG/L
1,2-DICHLORO BENZENE						Reserved UG/L	620.0000
05/22/96	05/24/96	34536	EPA 601/624	0061	< 5 UG/L		UG/L
1,2-DICHLORO PROPANE						Reserved UG/L	1.0000
05/22/96	05/24/96	34541	EPA 601/624	0061	< 1.0 UG/L		UG/L
1,3-DICHLORO BENZENE						Reserved UG/L	No Action Level
05/22/96	05/24/96	34566	EPA 601/624	0061	< 5 UG/L		UG/L
2-CHLOROETHYLVINYL ETHER						Reserved UG/L	No Action Level
05/22/96	05/24/96	34576	EPA 601/624	0061	< 10 UG/L		UG/L
DICHLORODIFLUORO METHANE						Reserved UG/L	1.0000
05/22/96	05/24/94	34668	EPA 601/624	0061	< 1.0 UG/L		UG/L
TRANS-1,3-DICHLORO PROPENE						Reserved UG/L	No Action Level
05/22/96	05/24/96	34699	EPA 601/624	0061	< 5 UG/L		UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00452 Name : NW WELL #3 18 BDD

Invnum: 100369
Permit: R-0086-07

CIS-1,3-DICHLORO PROPENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34704	EPA 601/624	0061	<5 UG/L	UG/L

1,4-DICHLORO BENZENE

PERMIT LIMIT	ACTION LEVEL
75.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34751	EPA 601/624	0061	<5 UG/L	UG/L

ETHYL BENZENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	680.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	37371	EPA 601/624	0061	<5 UG/L	UG/L

VINYL CHLORIDE

PERMIT LIMIT	ACTION LEVEL
2.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	39175	EPA 601/624	0061	~~<5~~ <2 UG/L	UG/L

TRICHLORO ETHENE

PERMIT LIMIT	ACTION LEVEL
5.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	39180	EPA 601/624	0061	<4 UG/L	UG/L

TOTAL MERCURY (AS HG)

PERMIT LIMIT	ACTION LEVEL
0.0020 MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/03/96	71900	EPA 245.1	0061	<0.0002 MG/L	MG/L

TOTAL XYLENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	440.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	81551	EPA 624	0061	<5 UG/L	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00452 Name : NW WELL #3 18 BDD

Invnum: 100369
Permit: R-0086-07

2,4- D

PERMIT LIMIT	ACTION LEVEL
100.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/05/96	81769	EPA 615	0061	<1.0	UG/L

TRIHALO METHANE (TTHM)

PERMIT LIMIT	ACTION LEVEL
100.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	82080	EPA 602	0061	<5	UG/L

ETHYLENE DIBROMIDE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/06/96	99978	EPA 504	0061	<0.02	UG/L

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Mary A. Taylor DATE 6/13/96

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00445 Name : (A-1-4)18AAC
Latitude: _____._ Longitude: _____._
Township: 01N Range : 4E
Section : 18 Quarter : DBB

Invnum: 100369
Permit: R-0086-07

City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

SPECIFIC CONDUCTANCE — PERMIT LIMIT: Reserved M/CM — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	11/25/96	00094	STD 205	0061	1170	M/CM

PH — PERMIT LIMIT: 6.50- 9.00SU — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	11/27/96	00400	EPA 150.1	0061	7.2	SU

ALKALINITY (CACO3) — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	11/27/96	00410	EPA 310.1	0061	156	MG/L

TOTAL NITROGEN — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: 10.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/13/96	00600	353.2/351.2	0061	3.1	MG/L

NITRATE-NITRITE AS N — PERMIT LIMIT: 10.0000 MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/01/96	00620	EPA 353.2	0061	1.43	MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00445 Name : (A-1-4)18AAC

Invnum: 100369
Permit: R-0086-07

TOTAL KJELDAHL NITROGEN

PERMIT LIMIT	ACTION LEVEL
Reserved MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/06/96	00625	EPA 351.2	0061	1.7 MG/L	MG/L

TOTAL CALCIUM

PERMIT LIMIT	ACTION LEVEL
Reserved MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/05/96	00916	EPA 200.7/6010,	0061	66.9 MG/L	MG/L

TOTAL MAGNESIUM

PERMIT LIMIT	ACTION LEVEL
Reserved MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/05/96	00927	EPA 200.7/6010,	0061	24.0 MG/L	MG/L

TOTAL SODIUM

PERMIT LIMIT	ACTION LEVEL
Reserved MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/05/96	00929	EPA 200.7/6010,	0061	203 MG/L	MG/L

TOTAL POTASSIUM

PERMIT LIMIT	ACTION LEVEL
Reserved MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/05/96	00937	EPA 200.7/6010,	0061	7.3 MG/L	MG/L

CHLORIDE

PERMIT LIMIT	ACTION LEVEL
Reserved MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	11/27/96	00941	EPA 325.2	0061	210 MG/L	MG/L

TOTAL SULFATE (AS SO4)

PERMIT LIMIT	ACTION LEVEL
Reserved MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/06/96	00945	EPA 375.2	0061	140 MG/L	MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00445 Name : (A-1-4)18AAC

Invnum: 100369
Permit: R-0086-07

DEPTH TO WATER

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT CONCENTRATION REPORTED	ACTION LEVEL
11/21/96	11/21/96	72019	EPA FIELD	—	Reserved FT 69.0 FT	No Action Level

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT _____ DATE _____

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00445 Name : (A-1-4)18AAC(4)
Latitude: _____._ Longitude: _____._
Township: 01N Range : 4E
Section : 18 Quarter : DBB

Invnum: 100369
Permit: R-0086-07

City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

YEARLY SAMPLING - YEARLY REPORTING

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
TOTAL ARSENIC (AS AS)	05/22/96	05/28/96	01002	EPA 206.2	0061	0.0500 MG/L	No Action Level	0.018 MG/L
TOTAL BARIUM	05/22/96	05/29/96	01007	EPA 200.7	0061	1.0000 MG/L	No Action Level	0.052 MG/L
TOTAL CADMIUM (AS CD)	05/22/96	06/04/96	01027	EPA 213.2	0061	0.0100 MG/L	No Action Level	<0.0005 MG/L
TOTAL CHROMIUM	05/22/96	05/29/96	01029	EPA 200.7	0061	0.0500 MG/L	No Action Level	0.022 MG/L
TOTAL LEAD (AS PB)	05/22/96	05/24/96	01051	EPA 239.2	0061	0.0500 MG/L	No Action Level	<0.002 MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00445 Name : (A-1-4)18AAC

Invnum: 100369
Permit: R-0086-07

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
TOTAL SILVER (AS AG)	05/22/96	05/29/96	01077	EPA 200.7	0061	<0.010 MG/L	0.0500 MG/L	No Action Level
TOTAL SELENIUM (AS SE)	05/22/96	06/03/96	01147	EPA 270.2	0061	<0.005 MG/L	0.0100 MG/L	No Action Level
BROMODICHLORO METHANE	05/22/96	05/24/96	32101	EPA 601/624	0061	<5 UG/L	Reserved UG/L	No Action Level
CARBON TETRACHLORIDE	05/22/96	05/24/96	32102	EPA 601/624	0061	<4 UG/L	5.0000 UG/L	No Action Level
BROMOFORM	05/22/96	05/24/96	32104	EPA 601/624	0061	<5 UG/L	Reserved UG/L	No Action Level
DIBROMOCHLORO METHANE	05/22/96	05/24/96	32105	EPA 601/624	0061	<5 UG/L	Reserved UG/L	No Action Level
CHLOROFORM	05/22/96	05/24/96	32106	EPA 601/624	0061	<5 UG/L	Reserved UG/L	No Action Level

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00445 Name : (A-1-4)18AAC

Invnum: 100369
Permit: R-0086-07

TOLUENE

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
05/22/96	05/24/96	34010	EPA 601/624	0061	<5 UG/L	Reserved UG/L	2000.0000 UG/L

BENZENE

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
05/22/96	05/24/96	34030	EPA 601/624	0061	<4 UG/L	5.0000 UG/L	No Action Level

CHLORO BENZENE

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
05/22/96	05/24/96	34301	EPA 601/624	0061	<5 UG/L	Reserved UG/L	60.0000 UG/L

CHLORO ETHANE

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
05/22/96	05/24/96	34311	EPA 601/624	0061	<10 UG/L	Reserved UG/L	No Action Level

BROMO METHANE

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
05/22/96	05/24/96	34413	EPA 601/624	0061	<10 UG/L	Reserved UG/L	No Action Level

CHLORO METHANE

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
05/22/96	05/24/96	34418	EPA 601/624	0061	<0.5 UG/L	Reserved UG/L	0.5000 UG/L

METHYLENE CHLORIDE

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
05/22/96	05/24/96	34423	EPA 601/624	0061	<4 UG/L	Reserved UG/L	4.7000 UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00445 Name : (A-1-4)18AAC

Invnum: 100369
Permit: R-0086-07

TETRACHLORO ETHENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34475	EPA 601/624	0061	<1.0	UG/L	UG/L

TRICHLOROFLUORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34488	EPA 601/624	0061	<1.0	UG/L	UG/L

1,1-DICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34496	EPA 601/624	0061	<5	UG/L	UG/L

1,1-DICHLORO ETHENE — PERMIT LIMIT: 7.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34501	EPA 601/624	0061	<4	UG/L	UG/L

1,1,1-TRICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 200.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34506	EPA 601/624	0061	<5	UG/L	UG/L

1,1,2-TRICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34511	EPA 601/624	0061	<1.0	UG/L	UG/L

1,1,2,2-TETRACHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34516	EPA 601/624	0061	<0.5	UG/L	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00445 Name : (A-1-4)18AAC

Invnum: 100369
Permit: R-0086-07

1,2-DICHLORO ETHANE

PERMIT LIMIT: 5.0000 UG/L
ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34531	EPA 601/624	0061	<4	UG/L	UG/L

1,2-DICHLORO BENZENE

PERMIT LIMIT: Reserved UG/L
ACTION LEVEL: 620.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34536	EPA 601/624	0061	<5	UG/L	UG/L

1,2-DICHLORO PROPANE

PERMIT LIMIT: Reserved UG/L
ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34541	EPA 601/624	0061	<1.0	UG/L	UG/L

1,3-DICHLORO BENZENE

PERMIT LIMIT: Reserved UG/L
ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34566	EPA 601/624	0061	<5	UG/L	UG/L

2-CHLOROETHYLVINYL ETHER

PERMIT LIMIT: Reserved UG/L
ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34576	EPA 601/624	0061	<10	UG/L	UG/L

DICHLORODIFLUORO METHANE

PERMIT LIMIT: Reserved UG/L
ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34668	EPA 601/624	0061	<1.0	UG/L	UG/L

TRANS-1,3-DICHLORO PROPENE

PERMIT LIMIT: Reserved UG/L
ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34699	EPA 601/624	0061	<5	UG/L	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00445 Name : (A-1-4)18AAC

Invnum: 100369
Permit: R-0086-07

CIS-1,3-DICHLORO PROPENE

PERMIT LIMIT: Reserved UG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34704	EPA 601/624	0061	<5	UG/L

1,4-DICHLORO BENZENE

PERMIT LIMIT: 75.0000 UG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34751	EPA 601/624	0061	<5	UG/L

ETHYL BENZENE

PERMIT LIMIT: Reserved UG/L | ACTION LEVEL: 680.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	37371	EPA 601/624	0061	<5	UG/L

VINYL CHLORIDE

PERMIT LIMIT: 2.0000 UG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	39175	EPA 601/624	0061	mdl <2.0	UG/L

TRICHLORO ETHENE

PERMIT LIMIT: 5.0000 UG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	39180	EPA 601/624	0061	<4	UG/L

TOTAL MERCURY (AS HG)

PERMIT LIMIT: 0.0020 MG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/03/96	71900	EPA 245.1	0061	<0.0002	MG/L

TOTAL XYLENE

PERMIT LIMIT: Reserved UG/L | ACTION LEVEL: 440.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	81551	EPA 624	0061	<5	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00445 Name : (A-1-4)18AAC

Invnum: 100369
Permit: R-0086-07

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
2,4- D	05/22/96	/ /	81769	EPA 615	0061	<1.0 UG/L	100.0000 UG/L	No Action Level
TRIHALO METHANE (TTHM)	05/22/96	05/24/96	82080	EPA ~~602~~ 624	0061	<5 UG/L	100.0000 UG/L	No Action Level
ETHYLENE DIBROMIDE	05/22/96	06/06/96	99978	EPA 504	0061	<0.02 UG/L	Reserved UG/L	No Action Level

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Mary H Taylor DATE 6/13/96

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point No: A02746
Point Name: GW MW #4 A(1-5)18AAC
Latitude: 332536.000
Longitude: 1114924.000
Township: 01N
Range: 04E
Section: 18
Quarter:

Invnum: 100369
Permit: P100369
From: 01/01/99
To: 03/31/99
Monthly Sampling
Quarterly Reporting

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

TOTAL NITROGEN PERMIT LIMIT: 10.0000 MG/L ACTION LEVEL: 8.0000 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/1/99	1/1/99	00600	CALCULATIO	000	= 0.0000 MG/L
2/25/99	2/28/99	00600	CALCULATIO	003	= 2.9900 MG/L
3/11/99	3/31/99	00600	CALCULATIO	003	= 3.6400 MG/L

NITRATE-NITRITE AS N PERMIT LIMIT: 10.0000 MG/L ACTION LEVEL: 8.0000 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/1/99	1/1/99	00620		000	= 0.0000 MG/L
2/25/99	3/3/99	00620		003	= 1.4400 MG/L
3/11/99	3/17/99	00620		003	= 1.3700 MG/L

TOTAL KJELDAHL NITROGEN PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/1/99	1/1/99	00625		000	= 0.0000 MG/L
2/25/99	3/2/99	00625		003	= 1.5500 MG/L
3/11/99	3/18/99	00625		003	= 2.2700 MG/L

I CERTIFY UNDER PENTALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT RW Bradley DATE 4/28/99

EDR Print Date: 4/28/99

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point No: A02746
Latitude: 332536.000
Township: 01N
Section: 18

Point Name: GW MW #4 A(1-5)18AAC
Longitude: 1114924.000
Range: 04E
Quarter:

Invnum: 100369
Permit: P100369
From: 01/01/99
To: 03/31/99
Quarterly Sampling
Quarterly Reporting

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

PH PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/11/99	00400		003	= 6.9300 SU

TOTAL ALKALINITY PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/15/99	0043B		003	= 155.0000 MG/L

TOTAL HARDNESS PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/22/99	00900		003	= 281.0000 MG/L

TOTAL CALCIUM PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/22/99	00916		003	= 60.3000 MG/L

TOTAL MAGNESIUM PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/22/99	00927		003	= 31.6000 MG/L

TOTAL SODIUM PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/22/99	00929		003	= 126.0000 MG/L

CHLORIDE PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/12/99	00940		003	= 293.0000 MG/L

TOTAL FLUORIDE PERMIT LIMIT: 4.0000 MG/L ACTION LEVEL: 3.2000 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
3/11/99	3/12/99	00951		003	=	0.3000	MG/L

TOTAL ARSENIC (AS AS) PERMIT LIMIT: 0.0500 MG/L ACTION LEVEL: 0.0400 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
3/11/99	3/23/99	01002		003	=	0.0160	MG/L

TOTAL BARIUM PERMIT LIMIT: 2.0000 MG/L ACTION LEVEL: 1.6000 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
3/11/99	3/29/99	01007		003	=	0.1000	MG/L

TOTAL CADMIUM (AS CD) PERMIT LIMIT: 0.0050 MG/L ACTION LEVEL: 0.0040 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
3/11/99	3/29/99	01027		003	<	0.0020	MG/L

TOTAL CHROMIUM PERMIT LIMIT: 0.1000 MG/L ACTION LEVEL: 0.0800 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
3/11/99	3/29/99	01029		003	<	0.0100	MG/L

TOTAL LEAD (AS PB) PERMIT LIMIT: 0.0500 MG/L ACTION LEVEL: 0.0400 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
3/11/99	3/29/99	01051		003	<	0.0050	MG/L

TOTAL SELENIUM (AS SE) PERMIT LIMIT: 0.0500 MG/L ACTION LEVEL: 0.0400 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
3/11/99	3/30/99	01147		003	<	0.0050	MG/L

BROMOFORM PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
3/11/99	3/11/99	32104		003	<	0.0005	MG/L

DIBROMOCHLORO METHANE PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
3/11/99	3/11/99	32105		003	<	0.0005	MG/L

CHLOROFORM PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
3/11/99	3/11/99	32106		003	<	0.0005	MG/L

BROMODICHLORO METHANE PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
3/11/99	3/11/99	38693		003	<	0.0005	MG/L

TOTAL DISSOLVED SOLIDS PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/12/99	70295		003	= 866.0000 MG/L

TOTAL MERCURY (AS HG) PERMIT LIMIT: 0.0020 MG/L ACTION LEVEL: 0.0016 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/19/99	71900		003	< 0.0002 MG/L

DEPTH TO WATER PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/11/99	72019		003	= 62.3300 FT

TOTAL COLIFORM PERMIT LIMIT: 0.0000 CFU ACTION LEVEL: 0.0000 CFU

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/14/99	74056		003	= 1.0000 CFU

SULFATE PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/16/99	81020		003	= 183.0000 MG/L

TRIHALO METHANE (TTHM) PERMIT LIMIT: 0.1000 MG/L ACTION LEVEL: 0.0800 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/11/99	82080	CALCULATIO	003	< 0.0020 MG/L

FLUORIDE PERMIT LIMIT: 4.0000 MG/L ACTION LEVEL: 3.2000 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/12/99	FLRDE		003	= 0.3000 MG/L

SPECIFIC CONDUCTANCE (FIELD) PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/11/99	SCFLD		003	= 1.4680 M/CM

TEMPERATURE (FIELD) PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
3/11/99	3/11/99	TEMFD		003	= 23.6000 C°

I CERTIFY UNDER PENTALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT R W Bridges DATE 4/26/99

EDR Print Date: 4/26/99

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00449 Name : RECOVERY WELL
Latitude: _____._ Longitude: _____._
Township: Range :
Section : 0 Quarter :

Invnum: 100369
Permit: R-0086-07

City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

SPECIFIC CONDUCTANCE — PERMIT LIMIT: Reserved M/CM — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/22/96	00094	~~STD~~ EPA 205/120.1	0061	1100	M/CM	M/CM

PH — PERMIT LIMIT: 6.50- 9.00SU — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/22/96	00400	EPA 150.1	0061	7.6	SU	SU

ALKALINITY (CACO3) — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/22/96	00410	EPA 310.1	0061	170	MG/L	MG/L

TOTAL NITROGEN — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: 10.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/28/96 05/30/96	00600	EPA 353.2+351.2	0061	2.1	MG/L	MG/L

NITRATE-NITRITE AS N — PERMIT LIMIT: 10.0000 MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/28/96	00620	EPA 353.2	0061	2.1	MG/L	MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00449 Name : RECOVERY WELL

Invnum: 100369
Permit: R-0086-07

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
TOTAL KJELDAHL NITROGEN	05/20/96	05/30/96	00625	EPA 351.2	0061	<0.2 MG/L	Reserved MG/L	No Action Level MG/L
TOTAL CALCIUM	05/22/96	05/31/96	00916	EPA 200.7	0061	49.0 MG/L	Reserved MG/L	No Action Level MG/L
TOTAL MAGNESIUM	05/22/96	05/31/96	00927	EPA 200.7	0061	17.3 MG/L	Reserved MG/L	No Action Level MG/L
TOTAL SODIUM	05/22/96	05/31/96	00929	EPA 200.7	0061	180 MG/L	Reserved MG/L	No Action Level MG/L
TOTAL POTASSIUM	05/22/96	05/31/96	00937	EPA 200.7	0061	4.4 MG/L	Reserved MG/L	No Action Level MG/L
CHLORIDE	05/22/96	05/22/96	00941	EPA 325.2	0061	210 MG/L	Reserved MG/L	No Action Level MG/L
TOTAL SULFATE (AS SO4)	05/22/96	05/24/96	00945	EPA 375.2	0061	86 MG/L	Reserved MG/L	No Action Level MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00449 Name : RECOVERY WELL

Invnum: 100369
Permit: R-0086-07

DEPTH TO WATER

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT CONCENTRATION	REPORTED	ACTION LEVEL
					Reserved	FT	No Action Level
051296	051296	72019	EPA		75.5	FT	

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Mary H Tyler DATE 6/13/96

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00449 Name : RECOVERY WELL
Latitude: _____._ Longitude: _____._
Township: Range :
Section : 0 Quarter :

Invnum: 100369
Permit: R-0086-07

City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

YEARLY SAMPLING - YEARLY REPORTING

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
TOTAL ARSENIC (AS AS)	05/22/96	05/28/96	01002	EPA 206.2	0061	0.0500 MG/L	No Action Level	0.011 MG/L
TOTAL BARIUM	05/22/96	05/29/96	01007	EPA 200.7	0061	1.0000 MG/L	No Action Level	0.042 MG/L
TOTAL CADMIUM (AS CD)	05/22/96	05/30/96	01027	EPA 213.2	0061	0.0100 MG/L	No Action Level	<0.0005 MG/L
TOTAL CHROMIUM	05/22/96	05/29/96	01029	EPA 200.7	0061	0.0500 MG/L	No Action Level	0.023 MG/L
TOTAL LEAD (AS PB)	05/22/96	05/24/96	01051	EPA 239.2	0061	0.0500 MG/L	No Action Level	<0.002 MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00449 Name : RECOVERY WELL

Invnum: 100369
Permit: R-0086-07

TOTAL SILVER (AS AG) — PERMIT LIMIT: 0.0500 MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/29/96	01077	EPA 200.7	0061	<0.010	MG/L

TOTAL SELENIUM (AS SE) — PERMIT LIMIT: 0.0100 MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/03/96	01147	EPA 270.2	0061	<0.005	MG/L

BROMODICHLORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	32101	EPA 601/624	0061	<5	UG/L

CARBON TETRACHLORIDE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	32102	EPA 601/624	0061	<4	UG/L

BROMOFORM — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	32104	EPA 601/624	0061	<5	UG/L

DIBROMOCHLORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	32105	EPA 601/624	0061	<5	UG/L

CHLOROFORM — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	32106	EPA 601/624	0061	<5	UG/L

SELF MONITORING REPORT FORM
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Permit: R-0086-07

TOLUENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 2000.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34010	EPA 601/624	0061	<5	UG/L	UG/L

BENZENE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34030	EPA 601/624	0061	<4	UG/L	UG/L

CHLORO BENZENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 60.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34301	EPA 601/624	0061	<5	UG/L	UG/L

CHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34311	EPA 601/624	0061	<10	UG/L	UG/L

BROMO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34413	EPA 601/624	0061	<10	UG/L	UG/L

CHLORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34418	EPA 601/624	0061	<0.5	UG/L	UG/L

METHYLENE CHLORIDE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 4.7000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34423	EPA 601/624	0061	<4	UG/L	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
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Point : A00449 Name : RECOVERY WELL

Invnum: 100369
Permit: R-0086-07

TETRACHLORO ETHENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34475	EPA 601/624	0061	<1.0	UG/L

TRICHLOROFLUORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34488	EPA 601/624	0061	<1.0	UG/L

1,1-DICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34496	EPA 601/624	0061	<5	UG/L

1,1-DICHLORO ETHENE — PERMIT LIMIT: 7.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34501	EPA 601/624	0061	<4	UG/L

1,1,1-TRICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 200.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34506	EPA 601/624	0061	<5	UG/L

1,1,2-TRICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34511	EPA 601/624	0061	<1.0	UG/L

1,1,2,2-TETRACHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/24/96	34516	EPA 601/624	0061	<0.5	UG/L

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1,2-DICHLORO ETHANE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34531	EPA 601	0061	<4	UG/L	UG/L

1,2-DICHLORO BENZENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 620.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34536	EPA 601	0061	<5	UG/L	UG/L

1,2-DICHLORO PROPANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34541	EPA 601	0061	<1.0	UG/L	UG/L

1,3-DICHLORO BENZENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34566	EPA 601	0061	<5	UG/L	UG/L

2-CHLOROETHYLVINYL ETHER — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34576	EPA 601	0061	<10	UG/L	UG/L

DICHLORODIFLUORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34668	EPA 601	0061	<1.0	UG/L	UG/L

TRANS-1,3-DICHLORO PROPENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	05/24/96	34699	EPA 601	0061	<5	UG/L	UG/L

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	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
CIS-1,3-DICHLORO PROPENE	05/22/96	05/24/96	34704	EPA 601/624	0061	<5 UG/L	Reserved UG/L	No Action Level
1,4-DICHLORO BENZENE	05/22/96	05/24/96	34751	EPA 601/624	0061	<5 UG/L	75.0000 UG/L	No Action Level
ETHYL BENZENE	05/22/96	05/24/96	37371	EPA 601/624	0061	<5 UG/L	Reserved UG/L	680.0000
VINYL CHLORIDE	05/22/96	05/24/96	39175	EPA 601/624	0061	~~<5~~ <2.0 UG/L	2.0000 UG/L	No Action Level
TRICHLORO ETHENE	05/22/96	05/24/96	39180	EPA 601/624	0061	<4 UG/L	5.0000 UG/L	No Action Level
TOTAL MERCURY (AS HG)	05/22/96	/ /	71900	EPA 245.1	0061	<0.0002 MG/L	0.0020 MG/L	No Action Level
TOTAL XYLENE	05/22/96	05/24/96	81551	EPA 624	0061	<5 UG/L	Reserved UG/L	440.0000

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Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00449 Name : RECOVERY WELL

Invnum: 100369
Permit: R-0086-07

2,4- D

PERMIT LIMIT: 100.0000 UG/L
ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		ACTION LEVEL
05/22/96	06/05/96	81769	EPA 615	0061	<1.0	UG/L	UG/L

TRIHALO METHANE (TTHM)

PERMIT LIMIT: 100.0000 UG/L
ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		ACTION LEVEL
05/22/96	05/24/96	82080	EPA 602/624	0061	<5	UG/L	UG/L

ETHYLENE DIBROMIDE

PERMIT LIMIT: Reserved UG/L
ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		ACTION LEVEL
05/22/96	04/06/96	99978	EPA 504	0061	<0.02	UG/L	UG/L

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Mary H Eyn DATE 6/13/96

MOTOROLA, INC., MESA CENTER

VOLATILE ORGANIC CHEMICAL CONCENTRATIONS (ppb) IN WATER FROM MONITOR WELLS

MW-1

DATE	TCE	PCE	1,1-DCE	FREON-113
7/10/96	5.4	14.0	<0.5	1.4
8/5/96	5.7	14.0	<0.5	1.7
9/9/96	5.3	14.0	<0.5	1.4

MW-2

DATE	TCE	PCE	1,1-DCE	FREON-113	Cis-1,2-DCE
7/10/96	17.0	41.0	1.8	1.9	1.8
8/5/96	19.0	45.0	2.0	3.7	0.7
9/9/96	18.0	44.0	2.1	2.9	1.0

MW-3

DATE	TCE	PCE	1,1-DCE	FREON-113
7/17/96	0.5	0.5	<0.5	<0.5

MW-4

DATE	TCE	PCE	1,1-DCE	FREON-113
7/10/96	4.9	11.0	<0.5	0.7
8/5/96	4.2	9.3	<0.5	1.4
9/9/96	5.2	12.0	<0.5	1.2

MW-5

DATE	TCE	PCE	1,1-DCE	FREON-113
7/30/96	0.7	0.5	<0.5	<0.5

MW-6

DATE	TCE	PCE	1,1-DCE	FREON-113
9/9/96	<0.5	<0.5	<0.5	<0.5

MW-7

DATE	TCE	PCE	1,1-DCE	FREON-113
7/16/96	13.0	33.0	0.9	4.0

MW-8

DATE	TCE	PCE	1,1-DCE	FREON-113
7/10/96	8.7	23.0	2.3	<0.5
8/5/96	8.5	23.0	6.0	<0.5
9/9/96	8.7	26.0	5.5	<0.5

VOLATILE ORGANIC CHEMICAL CONCENTRATIONS (ppb) IN WATER FROM MONITOR WELLS

MW-9

DATE	TCE	PCE	1,1-DCE	FREON-113
7/17/96	0.6	0.7	<0.5	0.6

MW-10

DATE	TCE	PCE	1,1-DCE	FREON-113
7/17/96	5.3	12.0	0.7	3.6

MW-11

DATE	TCE	PCE	1,1-DCE	FREON-113
7/30/96	<0.5	0.9	<0.5	0.6

MW-12

DATE	TCE	PCE	1,1-DCE	FREON-113
7/16/96	<0.5	<0.5	<0.5	<0.5

MW-13

DATE	TCE	PCE	1,1-DCE	FREON-113
7/31/96	1.9	<0.5	<0.5	0.6

MW-14

DATE	TCE	PCE	1,1-DCE	FREON-113
7/16/96	<0.5	<0.5	<0.5	<0.5

MW-15

DATE	TCE	PCE	1,1-DCE	FREON-113
7/31/96	2.6	6.6	0.5	3.5

MW-16

DATE	TCE	PCE	1,1-DCE	FREON-113
7/16/96	0.8	0.6	<0.5	3.2

MW-17

DATE	TCE	PCE	1,1-DCE	FREON-113
7/16/96	11.0	32.0	0.9	6.6

VOLATILE ORGANIC CHEMICAL CONCENTRATIONS (ppb) IN WATER FROM MONITOR WELLS

MW-18

DATE	TCE	PCE	1,1-DCE	FREON-113
7/30/96	<0.5	0.6	<0.5	<0.5

MW-19

DATE	TCE	PCE	1,1-DCE	FREON-113
8/1/96	<0.5	<0.5	<0.5	<0.5

MW-20

DATE	TCE	PCE	1,1-DCE	FREON-113
7/10/96	4.6	12	0.7	1.6
8/5/96	4.3	12	0.5	4.1
9/9/96	4.5	13	0.7	3.9

MW-21

DATE	TCE	PCE	1,1-DCE	FREON-113
7/31/96	11	2.6	<0.5	1.1
8/5/96	18	2.3	<0.5	2.2
9/9/96	15	2.0	<0.5	0.8

MW-22

DATE	TCE	PCE	1,1-DCE	FREON-113
7/17/96	<0.5	<0.5	<0.5	<0.5

MW-23

DATE	TCE	PCE	1,1-DCE	FREON-113
7/31/96	3.9	6.9	1.0	3.5
8/5/96	3.7	6.7	0.8	3.2
9/9/96	3.8	6.8	0.9	2.8

MW-24

DATE	TCE	PCE	1,1-DCE	FREON-113
7/10/96	3.1	5.1	<0.5	1.1
8/5/96	3.2	5.2	<0.5	2.5
9/9/96	2.9	4.7	<0.5	1.8

MW-25

DATE	TCE	PCE	1,1-DCE	FREON-113
7/16/96	1.7	1.5	<0.5	0.8

VOLATILE ORGANIC CHEMICAL CONCENTRATIONS (ppb) IN WATER FROM MONITOR WELLS

MW-26

DATE	TCE	PCE	1,1-DCE	FREON-113
7/17/96	4.1	7.0	0.7	2.8

MW-27

DATE	TCE	PCE	1,1-DCE	FREON-113	1,2-DCA
7/16/96	2.0	1.5	<0.5	<0.5	5

MW-28

DATE	TCE	PCE	1,1-DCE	FREON-113
7/17/96	0.7	0.7	<0.5	<0.5

SW-1

DATE	TCE	PCE	1,1-DCE	FREON-113
7/10/96	0.7	0.7	<0.5	0.6

Samples were analyzed by APPL, Inc., Fresno, California, using EPA method 601.

INFORMATION FROM JANUARY 10, 1997, QUARTERLY REPORT FOR MOTOROLA, INC. MESA CENTER POOR QUALITY GROUNDWATER WITHDRAWAL PERMIT (JULY-SEPTEMBER, 1996), K.D. SCHMIDT AND ASSOCIATES.

SOUTH INDIAN BEND WASH

Appendix O
Water Quality Data (General Chemistry)

The information presented in this appendix is output from a database used to aid in interpreting available water quality data. Transcription of data from the lab reports to the data base has not been completely verified.

The parameters presented in the reports include the analytes from EPA's quarterly groundwater monitoring program, as well as selected parameters which are occasionally tested for or are included in the analyses of other entities.

The analytical data for VOCs are grouped together, followed by the data for pesticides and PCBs, the data for semi-VOCs, the data for metals, and the data for general chemistry parameters. Within each parameter group the data are sorted by well, and the wells are presented in alphabetical order.

18-Dec-94[1]	Appendix O Water Quality Data (General Chemistry)						
[2]Reporting values between 05/01/52 through 02/18/94							
[3]STATION_ID	[4]PARAM_NAME	[5]LAB_ID	[6]SAMPL_DATE	[7]VALUE	[8]VAL_FLAG_1	[9]VAL_FLAG_2	[10]UNITS

1 Indicates the date the report was printed.

2 Indicates the range of dates for which data are available, inclusive. The appendix contains water quality data available as of February 18, 1994.

3 "STATION_ID" represents the well name. The water quality data are sorted by well, and the wells are presented in alphabetical order.

4 "PARAM_NAME" provides the name of the analyte.

5 "LAB_ID" provides the laboratory IDs. The full names of the laboratories are provided in Table 1 on the following page.

6 "SAMPL_DATE" refers to the date on which the sample was collected.

7 "VALUE" refers to either the analytical result or the limit of detection for the compound if it was not detected (as indicated by a "U" in the next column).

8 "VAL_FLAG_1" characterizes the data. Possible codes used are:

- B Indicates that compound was also found in reagent blank.
- C Indicates that the two compounds coelute, any peaks seen at that retention time are reported for both compounds
- F Failed A/QC analysis
- G Both F and L flags apply
- J Estimated value for qualitative use only
- L Analyte present, value may be biased low
- N Detected but not quantified
- S Exceeds the sampling (air) standards
- U Less than the detection limit (the applicable detection limit is entered as the sampling data value)

9 "VAL_FLAG_2" uses a "D" to indicate duplicate samples.

10 "UNITS" provides the appropriate concentration units. "UG/L" refers to micrograms per liter, and "MG/L" refers to milligrams per liter.

Table 1
Laboratory Names

LAB_ID	Laboratory Name
1	BC LABORATORIES, INC.
2	ANALYTICAL TECHNOLOGIES, INC.
3	BROWN & CALDWELL ANALYTICAL LABORATORIES
0	DEFAULT FOR CONTACT ELEVATIONS, ETC
7	AZ. DEPT. WATER RESOURCES PUMPAGE DATA
8	ARIZONA DEPARTMENT OF HEALTH SERVICES
9	CITY OF TEMPE LABORATORY
B	SALT RIVER PROJECT LABORATORY (OR SUBS)
D	INDIAN HEALTH SERVICE CONRTACT LABS
E	U. S. GEOLOGICAL SURVEY LABORATORIES
F	ENERGY RESOURCES COMPANY, INC.
G	MEAD COMPUCHEM
K	ARIZONA TESTING LABORATORIES
O	LOCKHEED/ENVIR.MON.SERV.CO. LAS VEGAS,NV
T	UTAH BIOMEDICAL TEST LABORATORY, SLC, UT
U	WESTERN TECHNOLOGIES, INC.
V	AGRICULTURAL & PRIORITY POLLUTANT LABS
X	CH2M HILL REDDING, CA. LABORATORY
Y	WEST COAST TECHNICAL SERVICE
AA	EPA CONTRACT LAB (REGION IX, LAS VEGAS)
BB	NORTHERN LABORATORIES
CC	SOUTHWEST LABORATORY OF OAKLAMONA, INC.
DD	SOUTHWEST RESEARCH INSTITUTE
EE	SKINNER & SHERMAN, INC.
FF	ECOTEK LABORATORY SERVICE
XX	NO LAB AVAILABLE
GG	WADSWORTH/ALERT LABORATORY
HH	COPPER STATE ANALYTICAL LAB, INC.
WW	WESTECH LABORATORIES
II	INDUSTRIAL CORROSION MANAGEMENT
JJ	ASSOCIATED LABORATORIES, INC.
KK	EA ENGINEERING
LL	SILVER VALLEY LAB
AT	ANALYTICAL TECH, INC.
EA	EA LABORATORIES
DC	DATACHEM LABORATORIES, INC.
PB	PBSJ ENVIRONMENTAL LABORATORIES, INC.
NR	NATURAL RESOURCES LABORATORY (NFT)
MA	MACK LABORATORIES, INC.
IT	IT ANALYTICAL LABORATORIES, INC.
CO	COMPUCHEM LABORATORIES, INC.
ES	EAS LABORATORIES
AM	AMERICAN ANALYTICAL & TECHNICAL SERVICES
KE	KEYSTONE LAB
CA	COAST TO COAST ANALYTICAL SERVICES
DM	DEL MAR ANALYTICAL
EV	ENVIROSYSTEM, INC.
AQ	AQUATEC, INC.
RE	RECRA ENVIRONMENTAL, INC.
ET	ETS ANALYTICAL SERVICES
CT	CHEMTEC CONSULTING GROUP
RM	RECRA ENVIRONMENTAL, INC. MD
IE	INDUSTRIAL ENVIRONMENTAL ANALYSTS
LC	LABORATORY CONSULTANTS, LTD.
GT	GTEL ENVIRONMENTAL LABS INC.
PC	PACE INCORPORATED
BO	BOLIN LABORATORIES, INC.
EC	ECOLOGY & ENVIRONMENT, INC.
WA	WEYERHAUSER ANALYTICAL & TESTING SRVCS

Appendix O
Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
22.5,4.3	BICARBONATE	B	2/15/61	405			MG/L
	CARBONATE	B	2/15/61	0			MG/L
	CHLORIDE	B	2/15/61	418			MG/L
	FIELD E. C.(MMHOS/CM2)	6	7/15/65	1720			MMHOS
	LABORATORY E. C.(MMHOS/CM2)	B	2/15/61	2280			MMHOS
	LABORATORY PH	B	2/15/61	7.4			UNITS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	616			NGVD
	NITRATE AS NITROGEN	B	2/15/61	2.4			MG/L
	SULFATE	B	2/15/61	147			MG/L
	TEMPERATURE	6	7/15/65	29			DEG.C
	TOTAL DISSOLVED SOLIDS	B	2/15/61	1230			MG/L
	TOTAL HARDNESS (AS CACO3)	B	2/15/61	488			MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1036			NGVD
22.5,4.5		0	1/1/86	1050			NGVD
22.8,4.5	BICARBONATE	E	7/27/66	282			MG/L
		B	4/12/61	215			MG/L
	CARBONATE	B	4/12/61	0			MG/L
		E	7/27/66	0			MG/L
	CHLORIDE	E	7/27/66	365			MG/L
		B	4/12/61	277			MG/L
	FLUORIDE	E	7/27/66	0.3			MG/L
	LABORATORY E. C.(MMHOS/CM2)	E	7/27/66	1760			MMHOS
		B	4/12/61	1390			MMHOS
	LABORATORY PH	E	7/27/66	7.4			UNITS
		B	4/12/61	7.7			UNITS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	698			NGVD
	NITRATE AS NITROGEN	B	4/12/61	2			MG/L
	SULFATE	E	7/27/66	107			MG/L
		B	4/12/61	91			MG/L
	TEMPERATURE	6	7/27/66	27			DEG.C
	TOTAL DISSOLVED SOLIDS	E	7/27/66	978			MG/L
		B	4/12/61	742			MG/L
	TOTAL HARDNESS (AS CACO3)	B	4/12/61	340			MG/L
		E	7/27/66	425			MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1036			NGVD
23,2.9	BICARBONATE	B	7/21/81	373			MG/L
		B	3/5/75	375			MG/L
		B	6/29/65	391			MG/L
		5	10/31/84	284		D	MG/L
		B	7/7/83	391			MG/L
		B	6/26/69	426			MG/L
		X	6/8/88	359			MG/L
		5	10/31/84	276		D	MG/L
		B	8/4/87	354			MG/L
		B	6/4/80	342			MG/L
	CARBONATE	B	6/4/80	0			MG/L
		X	6/8/88	1	U		MG/L
		B	7/7/83	1	U		MG/L
		B	6/26/69	0			MG/L
		B	7/21/81	0			MG/L
		B	8/4/87	1	U		MG/L
		B	6/29/65	0			MG/L
		B	3/5/75	0			MG/L
		5	10/31/84	0		D	MG/L
		5	10/31/84	0		D	MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
23,2.9	CHEMICAL OXYGEN DEMAND	5	10/31/84	5	U	D	MG/L
		DD	10/31/84	5	U	D	MG
	CHLORIDE	X	6/8/88	179			MG/L
		B	6/4/80	231			MG/L
		5	10/31/84	179		D	MG/L
		B	6/26/69	397			MG/L
		B	7/21/81	229			MG/L
		5	10/31/84	177		D	MG/L
		B	8/4/87	177			MG/L
		B	3/5/75	354			MG/L
		B	7/7/83	196			MG/L
		B	6/29/65	390			MG/L
	FIELD E. C.(MMHOS/CM2)	6	8/4/87	1200		D	MMHOS
		6	10/31/84	390			MMHOS
		6	8/7/86	1580			MMHOS
	FIELD PH	6	10/31/84	7.53			UNITS
		6	8/4/87	7.6		D	UNITS
	FLUORIDE	B	7/7/83	0.57			MG/L
		B	7/21/81	0.1	U		MG/L
		B	8/4/87	0.1	U		MG/L
		6	8/7/86	0.4			MG/L
		B	6/4/80	0.1	U		MG/L
	LABORATORY E. C.(MMHOS/CM2)	B	7/7/83	1350			MMHOS
		B	6/29/65	2387			MMHOS
		B	8/4/87	1250			MMHOS
		B	6/4/80	1386			MMHOS
		B	3/5/75	2075			MMHOS
		B	6/26/69	1910			MM
		B	7/21/81	1525			MMHOS
	LABORATORY PH	B	7/21/81	8			UNITS
		B	8/4/87	7			UNITS
		B	6/29/65	7.3			UNITS
		B	6/26/69	7.7			UNITS
		B	3/5/75	7.8			UNITS
		B	6/4/80	7.9			UNITS
		B	7/7/83	7.7			UNITS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	703			NGVD
	NITRATE AS NITROGEN	X	6/8/88	3.6			MG/L
		B	6/8/88	6.81			MG/L
		B	6/4/80	5.6			MG/L
		B	7/7/83	4.7			MG/L
		B	3/5/75	9.3			MG/L
		5	10/31/84	4		D	MG/L
		5	10/31/84	4		D	MG/L
		B	6/29/65	3.8			MG/L
		B	6/26/69	6.9			MG/L
		B	8/4/87	3.6			MG/L
		B	7/21/81	4.9			MG/L
	SULFATE	5	10/31/84	80		D	MG/L
		B	6/29/65	99			MG/L
		B	7/7/83	85			MG/L
		B	6/26/69	58			MG/L
		B	8/4/87	87			MG
		B	7/21/81	67			MG
		5	10/31/84	83		D	MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
23,2.9	SULFATE	B	6/4/80	91			MG/L
		X	6/8/88	96			MG/L
		B	3/5/75	92			MG/L
	TEMPERATURE	6	10/31/84	23.5			DEG.C
		6	5/22/84	22.8			DEG.C
		6	8/4/87	30			DEG.C
		6	8/7/86	24			DEG.C
	TOTAL DISSOLVED SOLIDS	B	8/4/87	731			MG/L
		B	7/21/81	804			MG/L
		B	7/7/83	778			MG/L
		B	3/5/75	1064			MG/L
		B	6/29/65	1099			MG/L
		X	6/8/88	778			MG/L
		B	6/26/69	1112			MG/L
		B	6/4/80	827			MG/L
	TOTAL HARDNESS (AS CACO3)	B	3/5/75	418			MG/L
		B	6/4/80	285			MG/L
		B	8/4/87	262			MG/L
		B	7/21/81	232			MG/L
		B	6/26/69	451			MG/L
		B	7/7/83	226			MG/L
		B	6/29/65	434			MG/L
	TOTAL OR MP ALKALINITY	B	8/4/87	290			MG/L
		B	7/21/81	306			MG/L
		B	6/4/80	281			MG/L
		B	7/7/83	321			MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1028			NGVD
24.3,3	BICARBONATE	B	5/18/60	144			MG/L
		B	2/17/71	370			MG/L
		B	6/11/87	323			MG/L
		B	6/12/86	278			MG/L
		B	6/22/81	351			MG/L
		B	6/20/85	345			MG/L
		X	6/9/88	320			MG/L
		B	6/8/84	288		D	MG/L
		B	6/21/66	340			MG/L
		B	6/8/84	288		D	MG/L
		B	9/12/75	344			MG/L
	CARBONATE	B	6/21/66	0			MG/L
		B	6/8/84	1	U	D	MG/L
		B	6/20/85	1	U		MG/L
		X	6/9/88	1	U		MG/L
		B	9/12/75	0			MG/L
		B	6/22/81	0			MG/L
		B	5/18/60	9			MG/L
		B	6/11/87	1	U		MG/L
		B	2/17/71	0			MG/L
		B	6/12/86	1	U		MG/L
		B	6/8/84	1	U	D	MG/L
	CHLORIDE	B	5/18/60	316			MG/L
		B	2/17/71	404			MG/L
		B	9/12/75	324			MG/L
		B	6/22/81	343			MG/L
		X	6/9/88	237			MG/L
		K	7/3/90	230			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
24.3,3	CHLORIDE	K	6/8/90	230			MG/
		B	6/11/87	213			M
		K	8/1/90	240			MG/L
		B	6/21/66	383			MG/L
		B	6/20/85	270			MG/L
		AT	2/26/87	228		D	MG/L
		AT	2/26/87	243		D	MG/L
		B	6/8/84	318		D	MG/L
		B	6/12/86	258			MG/L
		B	6/8/84	318		D	MG/L
		K	9/19/90	230			MG/L
	FIELD PH	6	6/22/81	8.1			UNITS
	FLUORIDE	AT	2/26/87	0.25		D	MG/L
		B	6/12/86	0.38			MG/L
		AT	2/26/87	0.23		D	MG/L
		6	6/12/86	0.4			MG/L
		B	6/11/87	0.1	U		MG/L
		B	6/8/84	0.19		D	MG/L
		K	6/8/90	0.2	U		MG/L
		K	8/1/90	0.2			MG/L
		K	9/19/90	0.2			MG/L
		K	7/3/90	0.3			MG/L
		B	6/8/84	0.19		D	MG/L
		B	6/20/85	0.1	U		MG/L
	HARDNESS	K	9/19/90	280			MG/L
		K	6/8/90	250			MG/L
		K	8/1/90	280			MG
		K	7/3/90	260			MG
	LABORATORY E. C.(MMHOS/CM2)	B	5/18/60	1424			MMHOS
		B	2/17/71	1873			MMHOS
		B	6/21/66	1943			MMHOS
		B	6/8/84	1650		D	MMHOS
		B	9/12/75	1800			MMHOS
		B	6/11/87	1400			MMHOS
		B	6/8/84	1650		D	MMHOS
		B	6/20/85	1450			MMHOS
		B	6/22/81	1930			MMHOS
		B	6/12/86	1420			MMHOS
	LABORATORY PH	B	6/8/84	7.7			UNITS
		B	9/12/75	7.5			UNITS
		B	5/18/60	8.1			UNITS
		AT	2/26/87	7.39		D	UNITS
		AT	2/26/87	7.45		D	UNITS
		B	6/20/85	7.5			UNITS
		K	7/3/90	7.3			UNITS
		K	9/19/90	7.7			UNITS
		K	8/1/90	7.2			UNITS
		B	6/22/81	8.1			UNITS
		K	6/8/90	7.4			UNITS
		B	6/11/87	7.5			UNITS
		B	6/12/86	7.9			UNITS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	678			NGVD
	NITRATE AS NITROGEN	B	6/8/84	13.3		D	MG
		B	6/8/84	13.3		D	MG/L
		B	6/20/85	12.2			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
24.3,3	NITRATE AS NITROGEN	K	8/1/90	11.9			MG/L
		K	7/3/90	12.9			MG/L
		K	9/19/90	12.6			MG/L
		B	6/22/81	11.6			MG/L
		AT	2/26/87	10.8		D	MG/L
		B	2/17/71	8.2			MG/L
		B	6/11/87	12.4			MG/L
		B	6/12/86	14			MG/L
		X	6/9/88	19.4			MG/L
		B	9/12/75	11.3			MG/L
		B	5/18/60	2			MG/L
		AT	2/26/87	10.5		D	MG/L
		K	6/8/90	11.8			MG/L
		B	6/21/66	5.3			MG/L
	SULFATE	K	8/1/90	82			MG/L
		B	6/11/87	110			MG/L
		B	2/17/71	85			MG/L
		B	5/18/60	65			MG/L
		B	9/12/75	78			MG/L
		B	6/22/81	86			MG/L
		B	6/21/66	71			MG/L
		B	6/8/84	166		D	MG/L
		B	6/12/86	85			MG/L
		AT	2/26/87	102		D	MG/L
		X	6/9/88	78.1			MG/L
		K	6/8/90	88			MG/L
		K	9/19/90	87			MG/L
		K	7/3/90	85			MG/L
		B	6/8/84	166		D	MG/L
		AT	2/26/87	66.6		D	MG/L
		B	6/20/85	62			MG/L
	TEMPERATURE	6	6/12/86	22.5			DEG.C
		6	6/8/84	21.1			DEG.C
		6	6/22/81	22			DEG.C
		6	6/11/87	23.3			DEG.C
	TOTAL DISSOLVED SOLIDS	B	5/18/60	740			MG/L
		AT	2/26/87	770		D	MG/L
		K	7/3/90	820			MG/L
		B	6/8/84	1041		D	MG/L
		B	6/8/84	1041		D	MG/L
		K	6/8/90	820			MG/L
		K	8/1/90	830			MG/L
		B	6/12/86	852			MG/L
		B	6/11/87	841			MG/L
		X	6/9/88	875			MG/L
		AT	2/26/87	813		D	MG/L
		B	6/21/66	1033			MG/L
		B	2/17/71	1113			MG/L
		B	9/12/75	973			MG/L
		B	6/22/81	1023			MG/L
		K	9/19/90	810			MG/L
		B	6/20/85	888			MG/L
	TOTAL HARDNESS (AS CACO3)	B	9/12/75	383			MG/L
		B	2/17/71	459			MG/L
		B	5/18/60	224			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
24.3,3	TOTAL HARDNESS (AS CACO3)	B	6/8/84	358		D	MG/
		B	6/8/84	358		D	MG
		B	6/12/86	264			MG/L
		B	6/11/87	289			MG/L
		AT	2/26/87	252		D	MG/L
		AT	2/26/87	256		D	MG/L
		B	6/21/66	346			MG/L
		B	6/20/85	348			MG/L
		B	6/22/81	335			MG/L
	TOTAL KJELDAHL NITROGEN	K	6/8/90	0.3			MG/L
		K	7/3/90	0.3			MG/L
		K	8/1/90	0.2	U		MG/L
	TOTAL OR MP ALKALINITY	B	6/8/84	236		D	MG/L
		K	7/3/90	260			MG/L
		B	6/22/81	288			MG/L
		B	6/20/85	281			MG/L
		B	6/12/86	224			MG/L
		B	6/11/87	265			MG/L
		AT	2/26/87	250		D	MG/L
		K	9/19/90	250			MG/L
		K	8/1/90	260			MG/L
		K	6/8/90	250			MG/L
		B	6/8/84	236		D	MG/L
		AT	2/26/87	242		D	MG/L
	TOTAL ORGANIC CARBON	K	8/1/90	0.52			MG/L
		K	9/19/90	0.58			MG/L
		K	7/3/90	0.66			MG
	TOTAL PHOSPHATE	K	7/3/90	0.02	U		MG
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1033			NGVD
24.5,2.5	BICARBONATE	B	7/6/83	305			MG/L
	CARBONATE	B	7/6/83	1	U		MG/L
	CHLORIDE	B	7/6/83	250			MG/L
	FIELD E. C.(MMHOS/CM2)	6	7/8/86	1640			MMHOS
		3	7/14/65	1900			MMHOS
		6	7/14/65	1900			MMHOS
	FLUORIDE	6	7/8/86	0.5			MG/L
		B	7/6/83	0.4			MG/L
	LABORATORY E. C.(MMHOS/CM2)	B	7/6/83	1350			MMHOS
	LABORATORY PH	B	7/6/83	7.7			UNITS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	687			NGVD
	NITRATE AS NITROGEN	B	7/6/83	5.1			MG/L
	SULFATE	B	7/6/83	65			MG/L
	TEMPERATURE	3	7/14/65	0.5	U		DEG.C
		6	7/14/65	23			DEG.C
		6	7/8/86	22			DEG.C
	TOTAL DISSOLVED SOLIDS	B	7/6/83	715			MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1041			NGVD
25,3		0	1/1/86	1043			NGVD
25,3.1	BICARBONATE	B	8/15/83	262			MG/L
		B	3/15/71	245			MG/L
		B	3/16/66	244			MG/L
		B	9/1/78	237			MG/L
		B	5/19/75	249			MG
		B	9/10/80	303			MG/L
	CARBONATE	B	8/15/83	1	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
25,3.1	CARBONATE	B	3/16/66	0			MG/L
		B	5/19/75	0			MG/L
		B	9/10/80	0			MG/L
		B	9/1/78	0			MG/L
		B	3/15/71	0			MG/L
	CHLORIDE	B	3/16/66	245			MG/L
		B	8/15/83	202			MG/L
		B	9/10/80	239			MG/L
		B	5/19/75	237			MG/L
		B	9/1/78	248			MG/L
		B	3/15/71	255			MG/L
	FIELD E. C.(MMHOS/CM2)	6	7/9/86	1210			MMHOS
		6	7/14/65	1320			MMHOS
	FLUORIDE	B	8/15/83	0.4			MG/L
		6	7/9/86	0.4			MG/L
	LABORATORY E. C.(MMHOS/CM2)	B	9/1/78	1180			MMHOS
		B	3/15/71	1211			MMHOS
		B	8/15/83	1340			MMHOS
		B	3/16/66	1268			MMHOS
		B	5/19/75	1360			MMHOS
		B	9/10/80	1350			MMHOS
	LABORATORY PH	B	5/19/75	7.6			UNITS
		B	9/10/80	7.9			UNITS
		B	8/15/83	8.2			UNITS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	661			NGVD
	NITRATE AS NITROGEN	B	9/1/78	2.2			MG/L
		B	8/15/83	4			MG/L
		B	9/10/80	5.8			MG/L
		B	5/19/75	2.4			MG/L
		B	3/15/71	2.4			MG/L
		B	3/16/66	1.1			MG/L
	SULFATE	B	3/16/66	46			MG/L
		B	3/15/71	58			MG/L
		B	5/19/75	53			MG/L
		B	9/10/80	86			MG/L
		B	8/15/83	74			MG/L
		B	9/1/78	61			MG/L
	TEMPERATURE	6	7/14/65	23			DEG.C
		6	7/9/86	22			DEG.C
		6	9/10/80	24			DEG.C
		6	9/1/78	22			DEG.C
	TOTAL DISSOLVED SOLIDS	B	3/15/71	714			MG/L
		B	3/16/66	664			MG/L
		B	8/15/83	663			MG/L
		B	9/1/78	686			MG/L
		B	9/10/80	791			MG/L
		B	5/19/75	682			MG/L
	TOTAL HARDNESS (AS CACO3)	B	9/10/80	282			MG/L
		B	5/19/75	261			MG/L
		B	3/15/71	256			MG/L
		B	9/1/78	249			MG/L
		B	3/16/66	234			MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1041			NGVD
25.5,3.5	BICARBONATE	B	3/16/66	215			MG/L
		B	7/13/67	176			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
25.5,3.5	BICARBONATE	B	3/15/71	227			MG/L
	CARBONATE	B	7/13/67	0			MG/L
		B	3/16/66	0			MG/L
		B	3/15/71	0			MG/L
	CHLORIDE	B	7/13/67	262			MG/L
		B	3/15/71	284			MG/L
		B	3/16/66	258			MG/L
	FIELD E. C.(MMHOS/CM2)	6	7/14/65	1280			MMHOS
	LABORATORY E. C.(MMHOS/CM2)	B	3/15/71	1272			MMHOS
		B	3/16/66	1264			MMHOS
		B	7/13/67	1231			MMHOS
	LABORATORY PH	B	7/13/67	8.2			UNITS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	803			NGVD
	NITRATE AS NITROGEN	B	3/15/71	2.9			MG/L
		B	3/16/66	1.3			MG/L
		B	7/13/67	0.9			MG/L
	SULFATE	B	3/16/66	43			MG/L
		B	7/13/67	46			MG/L
		B	3/15/71	51			MG/L
	TEMPERATURE	6	7/14/65	24			DEG.C
	TOTAL DISSOLVED SOLIDS	B	7/13/67	627			MG/L
		B	3/15/71	721			MG/L
		B	3/16/66	657			MG/L
	TOTAL HARDNESS (AS CACO3)	B	3/16/66	225			MG/L
		B	7/13/67	241			MG/L
		B	3/15/71	254			MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1091			NGVD
26,3.9	BICARBONATE	B	4/21/72	236			MG/L
		B	3/23/66	214			MG/L
		B	8/16/77	255			MG/L
		B	8/31/78	249			MG/L
		B	6/22/81	250			MG/L
	CARBONATE	B	3/23/66	0			MG/L
		B	6/22/81	0			MG/L
		B	8/16/77	0			MG/L
		B	4/21/72	0			MG/L
		B	8/31/78	0			MG/L
	CHLORIDE	B	6/22/81	241			MG/L
		B	4/21/72	263			MG/L
		B	8/16/77	261			MG/L
		B	8/31/78	244			MG/L
		B	3/23/66	210			MG/L
	LABORATORY E. C.(MMHOS/CM2)	B	4/21/72	1299			MMHOS
		B	8/16/77	1370			MMHOS
		B	3/23/66	1079			MMHOS
		B	8/31/78	1200			MMHOS
		B	6/22/81	1350			MMHOS
	LABORATORY PH	B	6/22/81	8.2			UNITS
		B	4/21/72	7.9			UNITS
		B	8/16/77	7.9			UNITS
	NITRATE AS NITROGEN	B	8/16/77	3.6			MG/L
		B	3/23/66	0.7			MG/L
		B	6/22/81	4.2			MG/L
		B	8/31/78	2.7			MG/L
		B	4/21/72	2.9			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
26,3.9	SULFATE	B	3/23/66	22			MG/L
		B	8/31/78	72			MG/L
		B	4/21/72	52			MG/L
		B	8/16/77	18			MG/L
		B	6/22/81	60			MG/L
	TEMPERATURE	6	8/31/78	22			DEG.C
		6	6/22/81	21			DEG.C
	TOTAL DISSOLVED SOLIDS	B	3/23/66	554			MG/L
		B	8/16/77	677			MG/L
		B	8/31/78	706			MG/L
		B	6/22/81	708			MG/L
		B	4/21/72	726			MG/L
	TOTAL HARDNESS (AS CACO3)	B	8/31/78	249			MG/L
		B	4/21/72	251			MG/L
		B	3/23/66	203			MG/L
		B	6/22/81	238			MG/L
		B	8/16/77	231			MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1103			NGVD
26.3,3	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	881			NGVD
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1077			NGVD
26.5,3	FIELD E. C.(MMHOS/CM2)	6	7/15/65	1200			MMHOS
	TEMPERATURE	6	7/15/65	26			DEG.C
		3	7/15/65	26			DEG.C
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1080			NGVD
26.5,4.3	FIELD E. C.(MMHOS/CM2)	6	7/25/86	865			MMHOS
		6	7/14/65	1220			MMHOS
	FLUORIDE	6	7/25/86	0.3			MG/L
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	876			NGVD
	TEMPERATURE	6	7/25/86	22			DEG.C
		6	7/14/65	26			DEG.C
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1088			NGVD
26.6,4	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	681			NGVD
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1081			NGVD
26.9,5	FIELD E. C.(MMHOS/CM2)	6	7/14/65	1300			MMHOS
		6	7/24/86	895			MMHOS
	FLUORIDE	6	7/24/86	0.4			MG/L
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	556			NGVD
	TEMPERATURE	6	7/24/86	22			DEG.C
		6	7/14/65	22			DEG.C
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1046			NGVD
27,5		0	1/1/86	1040			NGVD
27.1,4	FIELD E. C.(MMHOS/CM2)	6	6/10/86	1140			MMHOS
		6	7/14/65	1250			MMHOS
	FLUORIDE	6	6/10/86	0.4			MG/L
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	759			NGVD
	TEMPERATURE	6	7/14/65	24			DEG.C
		6	6/10/86	22			DEG.C
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1093			NGVD
27.9,5	FIELD E. C.(MMHOS/CM2)	6	7/14/65	1320			MMHOS
	TEMPERATURE	6	7/14/65	22			DEG.C
		6	5/1/52	20.5			DEG.C
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1060			NGVD
AAA	AMMONIUM	8	2/5/86	0.1	U		MG/L
	CHLORIDE	8	2/5/86	130			MG/L
	CO3 OR P ALKALINITY	8	2/5/86	1	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
AAA	FIELD E. C.(MMHOS/CM2)	6	2/5/86	760			MMHOS
		6	9/8/82	1210			MM
	FIELD PH	6	2/5/86	7.19			UNITS
	FLUORIDE	8	2/5/86	0.23			MG/L
		6	9/8/82	0.3			MG/L
	LABORATORY E. C.(MMHOS/CM2)	8	2/5/86	881			MMHOS
	LABORATORY PH	8	2/5/86	7.4			UNITS
	NITRATE AS NITROGEN	8	2/5/86	1.9			MG/L
	SULFATE	8	2/5/86	32.3			MG/L
	TEMPERATURE	6	2/5/86	21			DEG.C
	TOTAL DISSOLVED SOLIDS	8	2/5/86	468			MG/L
	TOTAL HARDNESS (AS CACO3)	8	2/5/86	142			MG/L
	TOTAL KJELDAHL NITROGEN	8	2/5/86	0.29			MG/L
	TOTAL OR MP ALKALINITY	8	2/5/86	173			MG/L
	TOTAL PHOSPHATE	8	2/5/86	0.5			MG/L
APS#1	BICARBONATE	X	6/17/88	198		D	MG/L
		X	8/16/89	237			MG/L
		5	11/2/84	198			MG/L
		X	6/17/88	199		D	MG/L
	BICARBONATE ALKALINITY	AA	2/2/94	189		D	MG/L
		AA	2/2/94	171		D	MG/L
		AA	8/15/90	191			MG/L
		AA	1/6/93	188			MG/L
		BB	6/13/90	180			MG/L
	CARBONATE	X	6/17/88	1	U	D	MG/L
		X	6/17/88	1	U	D	MG/L
		5	11/2/84	0			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/2/94	4.14	U	D	MG/L
		EA	2/2/94	4.14	U	D	MG/L
		AM	1/6/93	5.1			MG/L
		PB	1/9/92	5	U		MG/L
		DD	8/15/90	0.005	U		MG/L
		BB	6/13/90	5	J		MG/L
		5	11/2/84	11			MG/L
		II	4/16/91	5	U		MG/L
	CHLORIDE	AA	2/2/94	182		D	MG/L
		5	11/2/84	146			MG/L
		X	6/17/88	149		D	MG/L
		X	6/17/88	149		D	MG/L
		X	8/16/89	144			MG/L
		AA	8/15/90	194			MG/L
		BB	6/13/90	5	U		MG/L
		AA	2/2/94	183		D	MG/L
		AA	4/16/91	168			MG/L
		AA	1/6/93	186			MG/L
		AA	1/9/92	168			MG/L
	CO3 OR P ALKALINITY	AA	1/6/93	20	U		MG/L
		AA	2/2/94	20	U	D	MG/L
		BB	6/13/90	5	U		MG/L
		AA	2/2/94	20	U	D	MG/L
		AA	8/15/90	0.2	U		MG/L
	FIELD E. C.(MMHOS/CM2)	6	11/2/84	310			MMHOS
	FIELD PH	6	11/2/84	7.57	U		UNITS
	FLUORIDE	X	8/16/89	0.42			MG/L
	HARDNESS	PB	1/9/92	152			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
APS#1	HARDNESS	II	4/16/91	158			MG/L
		AA	1/6/93	167			MG/L
		AA	2/2/94	172		D	MG/L
		AA	2/2/94	178		D	MG/L
		BB	6/13/90	170			MG/L
		AA	8/15/90	194			MG/L
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	631			NGVD
	NITRATE AS NITROGEN	DD	8/15/90	2.43			MG/L
		X	8/16/89	2.62			MG/L
		X	6/17/88	2.24		D	MG/L
		X	6/17/88	2.2		D	MG/L
		5	11/2/84	2.6			MG/L
		PB	1/9/92	1.84			MG/L
		AM	1/6/93	2.1			MG/L
		EA	2/2/94	2.67		D	MG/L
		EA	2/2/94	2.67		D	MG/L
		BB	6/13/90	150	J		MG/L
		II	4/16/91	2			MG/L
	NITRITE	AA	8/15/90	0.005	U		MG/L
	SULFATE	AA	4/16/91	71.2			MG/L
		AA	8/15/90	78.2			MG/L
		X	8/16/89	92.1			MG/L
		AA	2/2/94	79		D	MG/L
		AA	1/9/92	70.2			MG/L
		AA	1/6/93	79.1			MG/L
		5	11/2/84	83			MG/L
		X	6/17/88	63.7		D	MG/L
		AA	2/2/94	79.8		D	MG/L
		BB	6/13/90	61	J		MG/L
		X	6/17/88	60		D	MG/L
	SULFIDE	AA	2/2/94	1	U	D	MG/L
		AA	2/2/94	1	U	D	MG/L
		BB	6/13/90	1	J		MG/L
		AA	1/9/91	43.1			MG/L
		AA	1/6/93	1	U		MG/L
		AA	8/15/90	0.1	U		MG/L
		II	4/16/91	1	U		MG/L
	TEMPERATURE	6	11/2/84	25			DEG.C
	TOTAL DISSOLVED SOLIDS	BB	6/13/90	560	J		MG/L
		AA	1/6/93	583			MG/L
		X	6/17/88	501		D	MG/L
		X	6/17/88	500		D	MG/L
		AA	8/15/90	629			MG/L
		AA	1/9/92	573			MG/L
		AA	2/2/94	608		D	MG/L
		AA	4/16/91	661			MG/L
		X	8/16/89	586			MG/L
		AA	2/2/94	611		D	MG/L
	TOTAL OR MP ALKALINITY	AA	8/15/90	191			MG/L
		AA	1/9/92	167			MG/L
		AA	1/6/93	188			MG/L
		AA	2/2/94	171		D	MG/L
		BB	6/13/90	180			MG/L
		AA	4/16/91	172			MG/L
		AA	2/2/94	189		D	MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
APS#1	TOTAL ORGANIC CARBON	AM	1/6/93	2	U		MG/L
		EA	2/2/94	2.23		D	MG/L
		EA	2/2/94	2.08		D	MG/L
		BB	6/13/90	2			MG/L
		PB	1/9/92	2	U		MG/L
		II	4/16/91	2	U		MG/L
		DD	8/15/90	3.2			MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1056			NGVD
APS#2	AMMONIUM	8	2/5/86	0.1	U	D	MG/L
		8	2/5/86	0.1	U	D	MG/L
	BICARBONATE	5	11/2/84	254		D	MG/L
		5	11/2/84	267		D	MG/L
		X	8/16/89	290			MG/L
	CARBONATE	5	11/2/84	0		D	MG/L
		5	11/2/84	0		D	MG/L
	CHEMICAL OXYGEN DEMAND	5	11/2/84	6		D	MG/L
		5	11/2/84	5	U	D	MG/L
	CHLORIDE	8	2/5/86	260		D	MG/L
		5	11/2/84	264		D	MG/L
		5	11/2/84	275		D	MG/L
		8	2/5/86	258		D	MG/L
		X	8/16/89	214			MG/L
	CO3 OR P ALKALINITY	8	2/5/86	1	U	D	MG/L
		8	2/5/86	1	U	D	MG/L
	FIELD E. C.(MMHOS/CM2)	6	2/5/86	1470			MMHOS
		6	11/2/84	430			MMHOS
	FIELD PH	6	11/2/84	7.6			UNITS
		6	2/5/86	7.36			UNITS
	FLUORIDE	X	8/16/89	0.26			MG/L
		8	2/5/86	0.29		D	MG/L
		8	2/5/86	0.29		D	MG/L
	LABORATORY E. C.(MMHOS/CM2)	8	2/5/86	1515		D	MMHOS
		8	2/5/86	1508		D	MMHOS
	LABORATORY PH	8	2/5/86	7.7		D	UNITS
		8	2/5/86	7.7		D	UNITS
	NITRATE AS NITROGEN	X	8/16/89	4.56			MG/L
		5	11/2/84	4		D	MG/L
		5	11/2/84	4		D	MG/L
		8	2/5/86	4.1		D	MG/L
		8	2/5/86	4.1		D	MG/L
	SULFATE	8	2/5/86	124		D	MG/L
		5	11/2/84	120		D	MG/L
		8	2/5/86	124		D	MG/L
		5	11/2/84	120		D	MG/L
		X	8/16/89	115			MG/L
	TEMPERATURE	6	11/2/84	25			DEG.C
		6	2/5/86	26.5			DEG.C
	TOTAL DISSOLVED SOLIDS	8	2/5/86	840		D	MG/L
		8	2/5/86	855		D	MG/L
		X	8/16/89	783			MG/L
	TOTAL HARDNESS (AS CACO3)	8	2/5/86	255		D	MG/L
		8	2/5/86	255		D	MG/L
	TOTAL KJELDAHL NITROGEN	8	2/5/86	0.47		D	MG/L
		8	2/5/86	0.45		D	MG/L
	TOTAL OR MP ALKALINITY	8	2/5/86	243		D	MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
APS#2	TOTAL OR MP ALKALINITY	8	2/5/86	242		D	MG/L
	TOTAL PHOSPHATE	8	2/5/86	0.28		D	MG/L
		8	2/5/86	0.18		D	MG/L
APS#3	AMMONIUM	8	2/4/86	0.1	U	D	MG/L
		8	2/4/86	0.1	U	D	MG/L
	CHLORIDE	8	2/4/86	357		D	MG/L
		8	2/4/86	356		D	MG/L
	CO3 OR P ALKALINITY	8	2/4/86	1	U	D	MG/L
		8	2/4/86	1	U	D	MG/L
	FIELD E. C.(MMHOS/CM2)	6	2/4/86	1700			MMHOS
	FIELD PH	6	2/4/86	7.26			UNITS
	FLUORIDE	8	2/4/86	0.33		D	MG/L
		8	2/4/86	0.33		D	MG/L
	LABORATORY E. C.(MMHOS/CM2)	8	2/4/86	1672		D	MMHOS
		8	2/4/86	1681		D	MMHOS
	LABORATORY PH	8	2/4/86	7.5		D	UNITS
		8	2/4/86	7.4		D	UNITS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	639			NGVD
	NITRATE AS NITROGEN	8	2/4/86	5.9		D	MG/L
		8	2/4/86	5.5		D	MG/L
	SULFATE	8	2/4/86	52.3		D	MG/L
		8	2/4/86	52.3		D	MG/L
	TEMPERATURE	6	2/4/86	28			DEG.C
	TOTAL DISSOLVED SOLIDS	8	2/4/86	894		D	MG/L
		8	2/4/86	913		D	MG/L
	TOTAL HARDNESS (AS CACO3)	8	2/4/86	396		D	MG/L
		8	2/4/86	397		D	MG/L
	TOTAL KJELDAHL NITROGEN	8	2/4/86	0.43		D	MG/L
		8	2/4/86	0.3		D	MG/L
	TOTAL OR MP ALKALINITY	8	2/4/86	178		D	MG/L
		8	2/4/86	178		D	MG/L
	TOTAL PHOSPHATE	8	2/4/86	0.43		D	MG/L
		8	2/4/86	0.05	U	D	MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1059			NGVD
APS#4	BICARBONATE	X	8/16/89	207			MG/L
	BICARBONATE ALKALINITY	AA	1/6/93	141			MG/L
		AA	2/2/94	176			MG/L
		AA	8/15/90	166			MG/L
		BB	6/13/90	160			MG/L
	CHEMICAL OXYGEN DEMAND	AM	1/6/93	7.4			MG/L
		EA	2/2/94	4.14	U		MG/L
		BB	6/13/90	5			MG/L
		DD	8/15/90	0.005	U		MG/L
		II	4/16/91	5	U		MG/L
	CHLORIDE	AA	2/2/94	124			MG/L
		AA	8/15/90	130			MG/L
		X	8/16/89	137			MG/L
		BB	6/13/90	140	J		MG/L
		AA	4/16/91	135			MG/L
		AA	1/6/93	165			MG/L
	CO3 OR P ALKALINITY	AA	8/15/90	0.2	U		MG/L
		AA	1/6/93	20	U		MG/L
		AA	2/2/94	20	U		MG/L
		BB	6/13/90	5	U		MG/L
	FLUORIDE	X	8/16/89	0.46			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
APS#4	HARDNESS	II	4/16/91	181			MG/
		BB	6/13/90	180			M
		AA	8/15/90	166			MG/L
		AA	2/2/94	182			MG/L
		AA	1/6/93	208			MG/L
	NITRATE AS NITROGEN	DD	8/15/90	2			MG/L
		II	4/16/91	2.7			MG/L
		X	8/16/89	1.99			MG/L
		BB	6/13/90	140	J		MG/L
		EA	2/2/94	1.7			MG/L
		AM	1/6/93	1.8			MG/L
	NITRITE	AA	8/15/90	0.005	U		MG/L
	SULFATE	AA	4/16/91	74			MG/L
		AA	1/6/93	76.7			MG/L
		AA	2/2/94	66.4			MG/L
		X	8/16/89	66.2			MG/L
		BB	6/13/90	68	J		MG/L
		AA	8/15/90	73.2			MG/L
	SULFIDE	II	4/16/91	1	U		MG/L
		AA	8/15/90	0.1	U		MG/L
		BB	6/13/90	1	J		MG/L
		AA	1/6/93	1	U		MG/L
		AA	2/2/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	1/6/93	559			MG/L
		AA	2/2/94	497			MG/L
		AA	4/16/91	597			MG/L
		BB	6/13/90	500	J		MG
		X	8/16/89	523			MG
		AA	8/15/90	535			MG/L
	TOTAL OR MP ALKALINITY	AA	8/15/90	166			MG/L
		AA	4/16/91	180			MG/L
		AA	1/6/93	141			MG/L
		BB	6/13/90	160			MG/L
		AA	2/2/94	176			MG/L
	TOTAL ORGANIC CARBON	AM	1/6/93	2	U		MG/L
		DD	8/15/90	2.82			MG/L
		EA	2/2/94	2.05			MG/L
		BB	6/13/90	2	U		MG/L
		II	4/16/91	2	U		MG/L
assistU	CHLORIDE	AA	1/4/93	275			MG/L
BROCK	AMMONIUM	8	2/4/86	0.1	U		MG/L
	BICARBONATE	X	8/16/89	205			MG/L
		X	6/8/88	229		D	MG/L
		X	6/8/88	234		D	MG/L
		5	11/5/84	172			MG/L
	BICARBONATE ALKALINITY	AA	1/4/93	154			MG/L
		BB	6/13/90	170			MG/L
		AA	8/14/90	174		D	MG/L
		AA	8/14/90	162		D	MG/L
	CARBONATE	5	11/5/84	0			MG/L
		X	6/8/88	1	U	D	MG/L
		X	6/8/88	1	U	D	MG/L
	CHEMICAL OXYGEN DEMAND	DD	8/14/90	0.005	U	D	MG
		5	11/5/84	5	U		MG/
		AM	1/4/93	5	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
BROCK	CHEMICAL OXYGEN DEMAND	PB	1/8/92	5	U		MG/L
		II	4/17/91	5	U		MG/L
		BB	6/13/90	5	J		MG/L
		DD	8/14/90	0.005	U	D	MG/L
	CHLORIDE	AA	1/8/92	299			MG/L
		AA	8/14/90	119		D	MG/L
		X	8/16/89	115			MG/L
		AA	4/17/91	123			MG/L
		AA	8/14/90	114		D	MG/L
		8	2/4/86	135			MG/L
		X	6/8/88	132		D	MG/L
		AA	1/4/93	258			MG/L
		X	6/8/88	131		D	MG/L
		BB	6/13/90	110	J		MG/L
		5	11/5/84	121			MG/L
	CO3 OR P ALKALINITY	AA	8/14/90	0.2	U	D	MG/L
		8	2/4/86	1	U		MG/L
		BB	6/13/90	5	U		MG/L
		AA	8/14/90	0.2	U	D	MG/L
		AA	1/4/93	20	U		MG/L
	FIELD E. C.(MMHOS/CM2)	6	2/4/86	786			MMHOS
		6	11/5/84	370			MMHOS
	FIELD PH	6	2/4/86	7.12			UNITS
		6	11/5/84	7.45			UNITS
	FLUORIDE	8	2/4/86	0.22			MG/L
		X	8/16/89	0.22			MG/L
	HARDNESS	AA	8/14/90	143		D	MG/L
		PB	1/8/92	316			MG/L
		AA	1/4/93	278			MG/L
		II	4/17/91	144			MG/L
		BB	6/13/90	130			MG/L
		AA	8/14/90	135		D	MG/L
	LABORATORY E. C.(MMHOS/CM2)	8	2/4/86	904			MMHOS
	LABORATORY PH	8	2/4/86	7.2			UNITS
	NITRATE AS NITROGEN	DD	8/14/90	3.09		D	MG/L
		DD	8/14/90	3.22		D	MG/L
		AM	1/4/93	4.9			MG/L
		II	4/17/91	4.4			MG/L
		X	8/16/89	3.71			MG/L
		X	6/8/88	2.5		D	MG/L
		8	2/4/86	1.8			MG/L
		X	6/8/88	2.5		D	MG/L
		5	11/5/84	1.9			MG/L
		BB	6/13/90	160	J		MG/L
		PB	1/8/92	5.75			MG/L
	NITRITE	AA	8/14/90	0.005	U	D	MG/L
		AA	8/14/90	0.005	U	D	MG/L
	SULFATE	X	6/8/88	42		D	MG/L
		5	11/5/84	43			MG/L
		AA	1/4/93	99			MG/L
		BB	6/13/90	48	J		MG/L
		X	6/8/88	37.8		D	MG/L
		8	2/4/86	30			MG/L
		X	8/16/89	47.8			MG/L
		AA	8/14/90	46		D	MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
BROCK	SULFATE	AA	8/14/90	45		D	MG/L
		AA	4/17/91	57			MG/L
		AA	1/8/92	105			MG/L
	SULFIDE	AA	1/4/93	1	U		MG/L
		AA	1/8/91	8.2			MG/L
		AA	8/14/90	0.1	U	D	MG/L
		BB	6/13/90	1	J		MG/L
		AA	8/14/90	0.1	U	D	MG/L
		II	4/17/91	1	U		MG/L
	TEMPERATURE	6	11/5/84	27			DEG.C
		6	2/4/86	22			DEG.C
	TOTAL DISSOLVED SOLIDS	X	8/16/89	463			MG/L
		AA	1/4/93	736			MG/L
		AA	1/8/92	734			MG/L
		AA	4/17/91	518			MG/L
		AA	8/14/90	466		D	MG/L
		AA	8/14/90	458		D	MG/L
		X	6/8/88	540		D	MG/L
		X	6/8/88	516		D	MG/L
		BB	6/13/90	450	J		MG/L
		8	2/4/86	496			MG/L
	TOTAL HARDNESS (AS CACO3)	8	2/4/86	148			MG/L
	TOTAL KJELDAHL NITROGEN	8	2/4/86	0.52			MG/L
	TOTAL OR MP ALKALINITY	AA	1/8/92	152			MG/L
		AA	1/4/93	154			MG/L
		AA	8/14/90	162		D	MG/L
		8	2/4/86	178			MG/L
		BB	6/13/90	170			MG/L
		AA	4/17/91	165			MG/L
		AA	8/14/90	174		D	MG/L
	TOTAL ORGANIC CARBON	DD	8/14/90	3.38		D	MG/L
		BB	6/13/90	2	U		MG/L
		II	4/17/91	2	U		MG/L
		PB	1/8/92	2	U		MG/L
		AM	1/4/93	2	U		MG/L
		DD	8/14/90	3.13		D	MG/L
	TOTAL PHOSPHATE	8	2/4/86	1.35			MG/L
COS#69	CHLORIDE	8	10/21/82	263			MG/L
	CO3 OR P ALKALINITY	8	10/21/82	1	U		MG/L
	FLUORIDE	8	10/21/82	0.51			MG/L
	LABORATORY E. C.(MMHOS/CM2)	8	10/21/82	1299			MMHOS
	LABORATORY PH	8	10/21/82	7.4			UNITS
	NITRATE AS NITROGEN	8	10/21/82	4.6			MG/L
	NITRITE	8	10/21/82	0.01	U		MG/L
	SULFATE	8	10/21/82	68.93			MG/L
	TOTAL DISSOLVED SOLIDS	8	10/21/82	740			MG/L
	TOTAL HARDNESS (AS CACO3)	8	10/21/82	242			MG/L
	TOTAL OR MP ALKALINITY	8	10/21/82	104.6			MG/L
COT#1	CHLORIDE	9	3/29/88	268			MG/L
		9	3/16/89	333			MG/L
		9	5/31/84	310			MG/L
		9	9/17/84	316			MG/L
	CO3 OR P ALKALINITY	9	3/29/88	0			MG/L
	FLUORIDE	9	9/17/84	0.27			MG/L
		9	5/31/84	0.28			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
COT#1	FLUORIDE	9	3/29/88	0.3			MG/L
		9	3/16/89	0.28			MG/L
	LABORATORY E. C.(MMHOS/CM2)	9	5/31/84	1850			MMHOS
		9	9/17/84	2000			MMHOS
		9	3/29/88	1610			MMHOS
	LABORATORY PH	9	5/31/84	7.43			UNITS
		9	3/29/88	7.76			UNITS
		9	9/17/84	7.52			UNITS
		9	3/16/89	7.42			UNITS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	781			NGVD
	NITRATE AS NITROGEN	9	3/16/89	3.05			MG/L
		9	3/29/88	3.1			MG/L
		9	9/17/84	4.3			MG/L
		9	5/31/84	4.6			MG/L
	NITRITE	9	5/31/84	0.005			MG/L
	SULFATE	9	3/29/88	100			MG/L
		9	9/17/84	113			MG/L
		9	5/31/84	123			MG/L
		9	3/16/89	96			MG/L
	TOTAL DISSOLVED SOLIDS	9	5/31/84	1082			MG/L
		9	9/17/84	1127			MG/L
		9	3/16/89	917			MG/L
		9	3/29/88	956			MG/L
	TOTAL HARDNESS (AS CACO3)	9	9/17/84	364			MG/L
		9	3/29/88	296			MG/L
		9	5/31/84	366			MG/L
		9	3/16/89	276			MG/L
	TOTAL OR MP ALKALINITY	9	9/17/84	344			MG/L
		9	3/16/89	350			MG/L
		9	5/31/84	350			MG/L
		9	3/29/88	364			MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1016			NGVD
COT#3	BICARBONATE	5	11/6/84	250			MG/L
	CARBONATE	5	11/6/84	0			MG/L
	CHEMICAL OXYGEN DEMAND	5	11/6/84	9			MG/L
	CHLORIDE	9	3/16/89	277			MG/L
		9	5/31/84	224			MG/L
		9	9/17/84	198			MG/L
		9	3/30/88	142			MG/L
		5	11/6/84	188			MG/L
	CO3 OR P ALKALINITY	9	3/30/88	0			MG/L
	FIELD E. C.(MMHOS/CM2)	6	4/4/86	1210			MMHOS
		6	8/12/83	1530			MMHOS
		6	11/6/84	360			MMHOS
	FIELD PH	6	11/6/84	7.16			UNITS
	FLUORIDE	6	4/4/86	0.5			MG/L
		9	5/31/84	0.32			MG/L
		9	3/16/89	0.3			MG/L
		9	3/30/88	0.35			MG/L
		6	8/12/83	0.3			MG/L
		9	9/17/84	0.33			MG/L
	LABORATORY E. C.(MMHOS/CM2)	9	3/30/88	969			MMHOS
		9	5/31/84	1450			MMHOS
		9	9/17/84	1400			MMHOS
	LABORATORY PH	9	3/16/89	7.55			UNITS

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
COT#3	LABORATORY PH	9	5/31/84	7.54			UNITS
		9	3/30/88	7.77			UNITS
		9	9/17/84	7.43			UNITS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	1049			NGVD
	NITRATE AS NITROGEN	9	3/16/89	5.33			MG/L
		5	11/6/84	3.8			MG/L
		9	9/17/84	5.4			MG/L
		9	3/30/88	2.8			MG/L
		9	5/31/84	6.9			MG/L
	NITRITE	9	5/31/84	0.005			MG/L
	SULFATE	9	3/30/88	66			MG/L
		5	11/6/84	85			MG/L
		9	3/16/89	72.5			MG/L
		9	9/17/84	81			MG/L
		9	5/31/84	104			MG/L
	TEMPERATURE	6	4/4/86	24.5			DEG.C
		6	8/12/83	24			DEG.C
		6	11/6/84	25			DEG.C
	TOTAL DISSOLVED SOLIDS	9	3/30/88	566			MG/L
		9	3/16/89	673			MG/L
		9	9/17/84	793			MG/L
		9	5/31/84	840			MG/L
	TOTAL HARDNESS (AS CACO3)	9	9/17/84	252			MG/L
		9	3/30/88	172			MG/L
		9	3/16/89	222			MG/L
		9	5/31/84	296			MG/L
	TOTAL OR MP ALKALINITY	9	3/30/88	224			MG/L
		9	5/31/84	253			MG/L
		9	9/17/84	248			MG/L
		9	3/16/89	226			MG/L
	UPPER ALLUVIUM - LOWER ALLUV	0	1/1/86	1049			NGVD
COT#4	AMMONIUM	8	2/4/86	0.1	U		MG/L
	BICARBONATE	5	11/6/84	237		D	MG/L
		5	11/6/84	247		D	MG/L
	CARBONATE	5	11/6/84	0		D	MG/L
		5	11/6/84	0		D	MG/L
	CHEMICAL OXYGEN DEMAND	5	11/6/84	5	U	D	MG/L
		5	11/6/84	5	U	D	MG/L
	CHLORIDE	5	11/6/84	203		D	MG/L
		9	5/31/84	162			MG/L
		9	3/16/89	274			MG/L
		5	11/6/84	204		D	MG/L
		9	3/29/88	204			MG/L
		9	9/17/84	180			MG/L
		8	2/4/86	151			MG/L
	CO3 OR P ALKALINITY	9	3/29/88	0			MG/L
		8	2/4/86	1	U		MG/L
	FIELD E. C.(MMHOS/CM2)	6	11/6/84	380			MMHOS
		6	2/4/86	940			MMHOS
	FIELD PH	6	11/6/84	7.86			UNITS
		6	2/4/86	7.53			UNITS
	FLUORIDE	9	9/17/84	0.34			MG/L
		9	3/16/89	0.34			MG/L
		9	5/31/84	0.36			MG/L
		8	2/4/86	0.39			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
COT#4	FLUORIDE	9	3/29/88	0.34			MG/L
	LABORATORY E. C.(MMHOS/CM2)	9	5/31/84	1150			MMHOS
		9	3/29/88	1159			MMHOS
		9	9/17/84	1380			MMHOS
		8	2/4/86	1008			MMHOS
	LABORATORY PH	8	2/4/86	7.6			UNITS
		9	5/31/84	7.64			UNITS
		9	3/29/88	7.72			UNITS
		9	9/17/84	7.74			UNITS
		9	3/16/89	7.6			UNITS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	785			NGVD
	NITRATE AS NITROGEN	9	9/17/84	4.4			MG/L
		9	5/31/84	4.6			MG/L
		5	11/6/84	4.2		D	MG/L
		8	2/4/86	2.5			MG/L
		9	3/29/88	3.6			MG/L
		9	3/16/89	3.63			MG/L
		5	11/6/84	4.2		D	MG/L
	NITRITE	9	5/31/84	0.005			MG/L
	SULFATE	9	5/31/84	99			MG/L
		9	3/16/89	88.5			MG/L
		9	3/29/88	81			MG/L
		5	11/6/84	100		D	MG/L
		8	2/4/86	48.7			MG/L
		5	11/6/84	100		D	MG/L
		9	9/17/84	99			MG/L
	TEMPERATURE	6	2/4/86	24			DEG.C
		6	11/6/84	25			DEG.C
	TOTAL DISSOLVED SOLIDS	9	3/29/88	674			MG/L
		9	9/17/84	778			MG/L
		8	2/4/86	548			MG/L
		9	3/16/89	696			MG/L
		9	5/31/84	672			MG/L
	TOTAL HARDNESS (AS CACO3)	9	3/16/89	180			MG/L
		8	2/4/86	133			MG/L
		9	5/31/84	168			MG/L
		9	9/17/84	188			MG/L
		9	3/29/88	172			MG/L
	TOTAL KJELDAHL NITROGEN	8	2/4/86	0.7			MG/L
	TOTAL OR MP ALKALINITY	8	2/4/86	184			MG/L
		9	3/16/89	214			MG/L
		9	9/17/84	224			MG/L
		9	5/31/84	216			MG/L
		9	3/29/88	208			MG/L
	TOTAL PHOSPHATE	8	2/4/86	0.05	U		MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1020			NGVD
COT#7	AMMONIUM	8	2/4/86	0.1	U		MG/L
	BICARBONATE	5	11/6/84	263			MG/L
		8	7/9/81	315			MG/L
	CARBONATE	8	7/9/81	1	U		MG/L
		5	11/6/84	0			MG/L
	CHEMICAL OXYGEN DEMAND	5	11/6/84	5	U		MG/L
	CHLORIDE	8	2/4/86	197			MG/L
		5	11/6/84	220			MG/L
		9	3/16/89	270			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
COT#7	CHLORIDE	9	5/31/84	222			MG/
		8	7/9/81	260			M
		9	9/17/84	214			MG/L
	CO3 OR P ALKALINITY	8	2/4/86	1	U		MG/L
	FIELD E. C.(MMHOS/CM2)	6	11/6/84	320			MMHOS
		6	2/4/86	1080			MMHOS
	FIELD PH	6	11/6/84	7.4			UNITS
		6	2/4/86	7.41			UNITS
	FLUORIDE	9	3/16/89	0.18			MG/L
		8	2/4/86	0.2			MG/L
		9	9/17/84	0.2			MG/L
		8	7/9/81	0.1			MG/L
		9	5/31/84	0.2			MG/L
	LABORATORY E. C.(MMHOS/CM2)	9	9/17/84	1500			MMHOS
		9	5/31/84	1340			MMHOS
		8	7/9/81	1320			MMHOS
		8	2/4/86	1255			MMHOS
	LABORATORY PH	9	5/31/84	7.68			UNITS
		9	9/17/84	7.62			UNITS
		9	3/16/89	7.77			UNITS
		8	7/9/81	7.5			UNITS
		8	2/4/86	7.6			UNITS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	800			NGVD
	NITRATE AS NITROGEN	9	3/16/89	5.1			MG/L
		8	7/9/81	9.8			MG/L
		5	11/6/84	6.5			MG/L
		9	9/17/84	7.6			MG/
		8	2/4/86	5.5			MG
		9	5/31/84	8.1			MG/L
	NITRITE	9	5/31/84	0.005			MG/L
	SULFATE	9	9/17/84	71			MG/L
		8	2/4/86	34.3			MG/L
		9	3/16/89	78			MG/L
		9	5/31/84	71			MG/L
		8	7/9/81	80			MG/L
		5	11/6/84	63			MG/L
	TEMPERATURE	6	2/4/86	21.5			DEG.C
		6	11/6/84	22			DEG.C
	TOTAL DISSOLVED SOLIDS	9	9/17/84	824			MG/L
		9	3/16/89	702			MG/L
		8	7/9/81	864			MG/L
		9	5/31/84	770			MG/L
		8	2/4/86	705			MG/L
	TOTAL HARDNESS (AS CACO3)	9	3/16/89	226			MG/L
		9	5/31/84	268			MG/L
		9	9/17/84	252			MG/L
		8	2/4/86	240			MG/L
	TOTAL KJELDAHL NITROGEN	8	2/4/86	0.78			MG/L
	TOTAL OR MP ALKALINITY	9	3/16/89	248			MG/L
		9	5/31/84	256			MG/L
		9	9/17/84	256			MG/L
		8	2/4/86	244			MG/L
	TOTAL PHOSPHATE	8	2/4/86	0.15			MG
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1030			NGV
COT#8	BICARBONATE	9	6/10/82	415			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
COT#8	CARBONATE	9	6/10/82	1	U		MG/L
	CHLORIDE	9	9/17/84	290			MG/L
		9	5/31/84	296			MG/L
		9	6/10/82	330			MG/L
	FLUORIDE	9	9/17/84	0.26			MG/L
		9	5/31/84	0.28			MG/L
		9	6/10/82	0.2			MG/L
	LABORATORY E. C.(MMHOS/CM2)	9	6/10/82	1840			MMHOS
		9	9/17/84	1950			MMHOS
		9	5/31/84	1750			MMHOS
	LABORATORY PH	9	9/17/84	7.34			UNITS
		9	6/10/82	6.8			UNITS
		9	5/31/84	7.43			UNITS
	NITRATE AS NITROGEN	9	5/31/84	14			MG/L
		9	6/10/82	10.7			MG/L
		9	9/17/84	13.7			MG/L
	NITRITE	9	5/31/84	0.005			MG/L
	SULFATE	9	6/10/82	94			MG/L
		9	9/17/84	95			MG/L
		9	5/31/84	92			MG/L
	TOTAL DISSOLVED SOLIDS	9	9/17/84	1067			MG/L
		9	6/10/82	1030			MG/L
		9	5/31/84	1014			MG/L
	TOTAL HARDNESS (AS CACO3)	9	9/17/84	340			MG/L
		9	5/31/84	364			MG/L
	TOTAL OR MP ALKALINITY	9	9/17/84	304			MG/L
		9	5/31/84	312			MG/L
DM-2	CHLORIDE	AT	3/3/87	337			MG/L
	FLUORIDE	AT	3/3/87	0.56			MG/L
	LABORATORY PH	AT	3/3/87	7.42			UNITS
	NITRATE AS NITROGEN	AT	3/3/87	11.8			MG/L
	SULFATE	AT	3/3/87	98.2			MG/L
	TOTAL DISSOLVED SOLIDS	AT	3/3/87	1040			MG/L
	TOTAL OR MP ALKALINITY	AT	3/3/87	308			MG/L
DM-3	CHLORIDE	AT	3/3/87	88.5			MG/L
	FLUORIDE	AT	3/3/87	0.41			MG/L
	LABORATORY PH	AT	3/3/87	7.63			UNITS
	NITRATE AS NITROGEN	AT	3/3/87	3.9			MG/L
	SULFATE	AT	3/3/87	63.3			MG/L
	TOTAL DISSOLVED SOLIDS	AT	3/3/87	624			MG/L
	TOTAL HARDNESS (AS CACO3)	AT	3/3/87	144			MG/L
	TOTAL OR MP ALKALINITY	AT	3/3/87	230			MG/L
EXXON-1	BICARBONATE ALKALINITY	AA	2/16/94	327			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/16/94	4.14	U		MG/L
	CHLORIDE	AA	2/16/94	229			MG/L
	CO3 OR P ALKALINITY	AA	2/16/94	20	U		MG/L
	HARDNESS	AA	2/16/94	292			MG/L
	NITRATE AS NITROGEN	EA	2/16/94	4.67			MG/L
	SULFATE	AA	2/16/94	90.9			MG/L
	SULFIDE	AA	2/16/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/16/94	884			MG/L
	TOTAL OR MP ALKALINITY	AA	2/16/94	327			MG/L
	TOTAL ORGANIC CARBON	EA	2/16/94	3.13			MG/L
HRLF-1	BICARBONATE ALKALINITY	EC	4/22/92	110			MG/L
	CHEMICAL OXYGEN DEMAND	PB	1/20/92	5	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
HRLF-1	CHEMICAL OXYGEN DEMAND	II	4/18/91	5	U		MG/
		ES	7/23/92	7.9			M
		ES	10/14/92	7.5		D	MG/L
		ES	10/14/92	5		D	MG/L
		EC	4/22/92	20	U		MG/L
	CHLORIDE	AA	10/14/92	131		D	MG/L
		AA	4/18/91	76.7			MG/L
		EC	4/22/92	120			MG/L
		AA	10/14/92	130		D	MG/L
		AA	7/23/92	165			MG/L
		AA	1/20/92	109			MG/L
	CO3 OR P ALKALINITY	EC	4/22/92	2	U		MG/L
	HARDNESS	AA	10/14/92	164		D	MG/L
		AA	10/14/92	165		D	MG/L
		EC	4/22/92	170			MG/L
		AA	7/23/92	183			MG/L
		II	4/18/91	186			MG/L
		PB	1/20/92	168			MG/L
	NITRATE AS NITROGEN	PB	1/20/92	3.75			MG/L
		II	4/18/91	5.5			MG/L
		ES	7/23/92	0.72			MG/L
		ES	10/14/92	2.6	J	D	MG/L
		EC	4/22/92	1.8			MG/L
		ES	10/14/92	2.7	J	D	MG/L
	SULFATE	EC	4/22/92	50	U		MG/L
		AA	10/14/92	43.6	J	D	MG/L
		AA	10/14/92	43.6	J	D	MG
		AA	7/23/92	47.1			M
		AA	1/20/92	49.6			MG/L
		AA	4/18/91	49.6			MG/L
	SULFIDE	EC	4/22/92	1	U		MG/L
		AA	10/14/92	1	U	D	MG/L
		II	4/18/91	1	U		MG/L
		AA	1/20/91	6.7			MG/L
		AA	7/23/92	1	U		MG/L
		AA	10/14/92	1	U	D	MG/L
	TOTAL DISSOLVED SOLIDS	EC	4/22/92	430			MG/L
		AA	1/20/92	477			MG/L
		AA	4/18/91	484			MG/L
		AA	7/23/92	482			MG/L
		AA	10/14/92	467		D	MG/L
		AA	10/14/92	443		D	MG/L
	TOTAL OR MP ALKALINITY	AA	10/14/92	133	J	D	MG/L
		EC	4/22/92	110			MG/L
		AA	10/14/92	133	J	D	MG/L
		AA	7/23/92	116			MG/L
		AA	4/18/91	194			MG/L
		AA	1/20/92	211			MG/L
	TOTAL ORGANIC CARBON	ES	10/14/92	1	J	D	MG/L
		ES	7/23/92	1.8	J		MG/L
		PB	1/20/92	2	U		MG/L
		II	4/18/91	2	U		MG/L
		EC	4/22/92	2	U		M
		ES	10/14/92	1	J	D	MG/
KACHINA	AMMONIUM	8	2/5/86	0.1	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
KACHINA	BICARBONATE	5	11/6/84	225			MG/L
		X	8/16/89	171			MG/L
	BICARBONATE ALKALINITY	BB	6/15/90	140		D	MG/L
		AA	8/14/90	142			MG/L
		AA	1/7/93	132			MG/L
		BB	6/15/90	140		D	MG/L
	CARBONATE	5	11/6/84	0			MG/L
	CHEMICAL OXYGEN DEMAND	II	4/15/91	5	U		MG/L
		5	11/6/84	5	U		MG/L
		DD	8/14/90	0.0065			MG/L
		AM	1/7/93	7.4			MG/L
		BB	6/15/90	8	J	D	MG/L
		BB	6/15/90	5.6	J	D	MG/L
		PB	1/8/92	5	U		MG/L
	CHLORIDE	AA	1/7/93	167			MG/L
		8	2/5/86	256			MG/L
		AA	8/14/90	190			MG/L
		X	8/16/89	205			MG/L
		5	11/6/84	200			MG/L
		AA	1/8/92	168			MG/L
		AA	4/15/91	163			MG/L
		BB	6/15/90	200	J	D	MG/L
		BB	6/15/90	200	J	D	MG/L
	CO3 OR P ALKALINITY	AA	1/7/93	20	U		MG/L
		AA	8/14/90	0.2	U		MG/L
		BB	6/15/90	5	U	D	MG/L
		8	2/5/86	1	U		MG/L
		BB	6/15/90	5	U	D	MG/L
	FIELD E. C.(MMHOS/CM2)	6	9/8/82	1440			MMHOS
		6	2/5/86	1000			MMHOS
		6	11/6/84	370			MMHOS
	FIELD PH	6	11/6/84	7.49			UNITS
		6	2/5/86	7.86			UNITS
	FLUORIDE	6	9/8/82	0.7			MG/L
		X	8/16/89	0.26			MG/L
		8	2/5/86	0.31			MG/L
	HARDNESS	PB	1/8/92	208			MG/L
		AA	1/7/93	196			MG/L
		II	4/15/91	200			MG/L
		BB	6/15/90	200		D	MG/L
		BB	6/15/90	200		D	MG/L
		AA	8/14/90	202			MG/L
	LABORATORY E. C.(MMHOS/CM2)	8	2/5/86	1157			MMHOS
	LABORATORY PH	8	2/5/86	7.9			UNITS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	830			NGVD
	NITRATE AS NITROGEN	5	11/6/84	3.5			MG/L
		II	4/15/91	27			MG/L
		8	2/5/86	0.44			MG/L
		X	8/16/89	1.94			MG/L
		DD	8/14/90	1.41			MG/L
		PB	1/8/92	2.37			MG/L
		AM	1/7/93	0.32			MG/L
		BB	6/15/90	170	J	D	MG/L
	NITRITE	AA	8/14/90	0.005	U		MG/L
	NO2/NO3-N, TOTAL	BB	6/15/90	140	J	D	MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
KACHINA	SULFATE	8	2/5/86	23.1			MG/L
		AA	8/14/90	45.4			MG/L
		X	8/16/89	46.5			MG/L
		BB	6/15/90	8.8	J	D	MG/L
		BB	6/15/90	110	J	D	MG/L
		AA	4/15/91	52.4			MG/L
		AA	1/8/92	50.2			MG/L
		AA	1/7/93	44.4			MG/L
		5	11/6/84	150			MG/L
	SULFIDE	AA	1/8/91	1.1			MG/L
		II	4/15/91	1	U		MG/L
		AA	1/7/93	1	U		MG/L
		AA	8/14/90	0.1	U		MG/L
		BB	6/15/90	1	J	D	MG/L
		BB	6/15/90	1	J	D	MG/L
	TEMPERATURE	6	11/6/84	27.5			DEG.C
		6	2/5/86	21			DEG.C
	TOTAL DISSOLVED SOLIDS	AA	4/15/91	611			MG/L
		AA	1/7/93	735			MG/L
		AA	1/8/92	453			MG/L
		AA	8/14/90	591			MG/L
		8	2/5/86	604			MG/L
		X	8/16/89	568			MG/L
		BB	6/15/90	600	J	D	MG/L
		BB	6/15/90	560	J	D	MG/L
	TOTAL HARDNESS (AS CACO3)	8	2/5/86	218			MG/L
	TOTAL KJELDAHL NITROGEN	8	2/5/86	0.4			MG/L
	TOTAL OR MP ALKALINITY	BB	6/15/90	140	J	D	MG/L
		AA	1/8/92	166			MG/L
		AA	4/15/91	169			MG/L
		AA	8/14/90	142			MG/L
		8	2/5/86	114			MG/L
		AA	1/7/93	132			MG/L
		BB	6/15/90	140	J	D	MG/L
	TOTAL ORGANIC CARBON	DD	8/14/90	2.55			MG/L
		BB	6/15/90	2	U	D	MG/L
		BB	6/15/90	2	U	D	MG/L
		AM	1/7/93	2	U		MG/L
		PB	1/8/92	2	U		MG/L
		II	4/15/91	2	U		MG/L
	TOTAL PHOSPHATE	8	2/5/86	0.21			MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1020			NGVD
LAIRD#2	AMMONIUM	H	5/17/83	0.1	U		MG/L
	BICARBONATE	X	8/18/89	255			MG/L
		5	11/5/84	226			MG/L
	CARBONATE	5	11/5/84	0			MG/L
	CHEMICAL OXYGEN DEMAND	5	11/5/84	5			MG/L
	CHLORIDE	5	11/5/84	165			MG/L
		X	8/18/89	160			MG/L
	FIELD E. C.(MMHOS/CM2)	6	11/5/84	280			MMHOS
	FIELD PH	6	11/5/84	7.94			UNITS
	FLUORIDE	X	8/18/89	0.46			MG/L
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	773			NGVD
	NITRATE AS NITROGEN	X	8/18/89	4.07			MG/L
		5	11/5/84	4.4			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
LAIRD#2	SULFATE	X	8/18/89	69.2			MG/L
		5	11/5/84	77			MG/L
	SULFIDE	H	5/17/83	0.05	U		MG/L
	TEMPERATURE	6	11/5/84	26			DEG.C
	TOTAL DISSOLVED SOLIDS	X	8/18/89	614			MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1037			NGVD
MOBIL1-1	CHEMICAL OXYGEN DEMAND	EA	7/9/91	126	J		MG/L
		X	4/5/91	8.8		D	MG/L
		X	4/5/91	13		D	MG/L
	CHLORIDE	EA	7/9/91	346	J		MG/L
		X	4/5/91	148			MG/L
	HARDNESS	EA	7/9/91	328			MG/L
	NITRATE AS NITROGEN	X	4/5/91	0.303			MG/L
	SULFATE	EA	7/9/91	15.6	J		MG/L
		X	4/5/91	86.3			MG/L
	SULFIDE	EA	7/9/91	0.5	U		MG/L
		X	4/5/91	0.4	U	D	MG/L
		X	4/5/91	0.4	U	D	MG/L
	TOTAL DISSOLVED SOLIDS	EA	7/9/91	6			MG/L
		X	4/5/91	801		D	MG/L
		X	4/5/91	815		D	MG/L
	TOTAL OR MP ALKALINITY	X	4/5/91	364		D	MG/L
		X	4/5/91	364		D	MG/L
		EA	7/9/91	499			MG/L
	TOTAL ORGANIC CARBON	EA	7/9/91	11			MG/L
NESBITT	AMMONIUM	8	2/4/86	0.1	U		MG/L
	BICARBONATE	X	6/9/88	265			MG/L
		X	8/16/89	235			MG/L
	BICARBONATE ALKALINITY	EC	4/15/92	170			MG/L
	CARBONATE	X	6/9/88	1	U		MG/L
	CHEMICAL OXYGEN DEMAND	ES	10/8/92	5			MG/L
		II	4/17/91	5	U	D	MG/L
		MA	10/16/91	6.8			MG/L
		II	4/17/91	5	U	D	MG/L
		ES	7/24/92	5	U		MG/L
		EC	4/15/92	20	U		MG/L
		PB	1/15/92	5	U		MG/L
	CHLORIDE	AA	7/24/92	284			MG/L
		AA	10/16/91	239			MG/L
		AA	10/8/92	274			MG/L
		EC	4/15/92	230			MG/L
		AA	1/15/92	254			MG/L
		X	8/16/89	126			MG/L
		AA	4/17/91	122		D	MG/L
		8	2/4/86	137			MG/L
		AT	2/26/87	163			MG/L
		X	6/9/88	144			MG/L
		AA	4/17/91	123		D	MG/L
	CO3 OR P ALKALINITY	EC	4/15/92	20	U		MG/L
		8	2/4/86	1	U		MG/L
	FIELD E. C.(MMHOS/CM2)	6	2/4/86	800			MMHOS
		6	9/9/82	1470			MMHOS
	FIELD PH	6	2/4/86	6.83			UNITS
	FLUORIDE	8	2/4/86	0.23			MG/L
		6	9/9/82	0.5			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
NESBITT	FLUORIDE	AT	2/26/87	0.25			MG/L
		X	8/16/89	0.23			M
	HARDNESS	MA	10/16/91	284			MG/L
		PB	1/15/92	320			MG/L
		II	4/17/91	144		D	MG/L
		EC	4/15/92	310			MG/L
		AA	10/8/92	293			MG/L
		AA	7/24/92	301			MG/L
		II	4/17/91	143		D	MG/L
	LABORATORY E. C.(MMHOS/CM2)	8	2/4/86	928			MMHOS
	LABORATORY PH	8	2/4/86	7.3			UNITS
		AT	2/26/87	7.38			UNITS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	980			NGVD
	NITRATE AS NITROGEN	X	6/9/88	0.7		D	MG/L
		8	2/4/86	2.5			MG/L
		AT	2/26/87	2.9			MG/L
		X	8/16/89	3.02			MG/L
		II	4/17/91	3.8		D	MG/L
		II	4/17/91	3.8		D	MG/L
		PB	1/15/92	5.87			MG/L
		ES	7/24/92	5.3			MG/L
		ES	10/8/92	4.8	J		MG/L
		EC	4/15/92	5.4			MG/L
	SULFATE	AA	1/15/92	99.6			MG/L
		AT	2/26/87	39.6			MG/L
		AA	7/24/92	98.5			MG/L
		AA	4/17/91	54.6		D	MG/L
		X	8/16/89	44.2			MG/L
		EC	4/15/92	90			MG/L
		8	2/4/86	30			MG/L
		AA	10/8/92	97.9			MG/L
		X	6/9/88	42.9			MG/L
		AA	10/16/91	92.5			MG/L
		AA	4/17/91	53.6		D	MG/L
	SULFIDE	II	4/17/91	1	U	D	MG/L
		II	4/17/91	1	U	D	MG/L
		AA	1/15/91	18			MG/L
		AA	10/16/91	1	U		MG/L
		AA	7/24/92	1	U		MG/L
		AA	10/8/92	1	U		MG/L
		EC	4/15/92	1	U		MG/L
	TEMPERATURE	6	2/4/86	21.5			DEG.C
		6	9/9/82	21			DEG.C
	TOTAL DISSOLVED SOLIDS	AA	1/15/92	846			MG/L
		EC	4/15/92	870			MG/L
		AA	10/8/92	811			MG/L
		AA	10/16/91	794			MG/L
		AA	4/17/91	534	J	D	MG/L
		AA	4/17/91	545		D	MG/L
		X	6/9/88	558			MG/L
		8	2/4/86	496			MG/L
		X	8/16/89	497			MG/L
		AT	2/26/87	582			MG/L
		AA	7/28/92	840			MG/L
	TOTAL HARDNESS (AS CACO3)	8	2/4/86	153			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
NESBITT	TOTAL HARDNESS (AS CACO3)	AT	2/26/87	164			MGL
	TOTAL KJELDAHL NITROGEN	8	2/4/86	0.66			MGL
	TOTAL OR MP ALKALINITY	AA	4/17/91	187		D	MGL
		8	2/4/86	187			MGL
		E1	4/15/92	170			MGL
		AA	10/8/92	164			MGL
		AA	7/24/92	174			MGL
		AA	10/16/91	171			MGL
		AA	1/15/92	169			MGL
		AT	2/26/87	206			MGL
		AA	4/17/91	183		D	MGL
	TOTAL ORGANIC CARBON	II	4/17/91	2	U	D	MGL
		II	4/17/91	2	U	D	MGL
		EC	4/15/92	2.2			MGL
		ES	10/8/92	1.4	J		MGL
		ES	7/24/92	1.9	J		MGL
		MA	10/16/91	1.1			MGL
		PB	1/15/92	2	U		MGL
	TOTAL PHOSPHATE	8	2/4/86	1.99			MGL
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1060			NGVD
NW-1	BICARBONATE	K	6/8/89	220			MGL
	BICARBONATE ALKALINITY	K	11/9/90	147			MGL
	CHLORIDE	K	9/12/90	96			MGL
		K	10/23/90	100			MGL
		K	11/9/90	100			MGL
		K	7/30/90	94			MGL
		K	6/8/89	110			MGL
	CO3 OR P ALKALINITY	K	11/9/90	1	U		MGL
	FLUORIDE	K	10/23/90	0.3			MGL
		K	9/12/90	0.3			MGL
		K	6/8/89	0.3			MGL
		K	7/30/90	0.4			MGL
		K	11/9/90	0.24			MGL
	HARDNESS	K	11/9/90	116			MGL
		K	9/12/90	110			MGL
		K	7/30/90	100			MGL
		K	10/23/90	110			MGL
	LABORATORY PH	K	11/9/90	7.7			UNITS
		K	10/23/90	7.6			UNITS
		K	9/12/90	7.4			UNITS
		K	6/8/89	7.3			UNITS
		K	7/30/90	7.3			UNITS
	NITRATE AS NITROGEN	K	9/12/90	1.9			MGL
		K	10/23/90	2.2			MGL
		K	11/9/90	1.91			MGL
		K	7/30/90	1.9			MGL
		K	6/8/89	2.9			MGL
	SULFATE	K	7/30/90	51			MGL
		K	6/8/89	48			MGL
		K	9/12/90	50			MGL
		K	10/23/90	54			MGL
		K	11/9/90	44			MGL
	TOTAL DISSOLVED SOLIDS	K	11/9/90	400			MGL
		K	10/23/90	400			MGL
		K	6/8/89	460			MGL

Appendix O
Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
NW-1	TOTAL DISSOLVED SOLIDS	K	9/12/90	370			MG/L
		K	7/30/90	380			M
	TOTAL KJELDAHL NITROGEN	K	9/19/90	0.4			MG/L
		K	10/23/90	0.2	U		MG/L
		K	11/9/90	0.3			MG/L
		K	7/30/90	0.2	U		MG/L
	TOTAL OR MP ALKALINITY	K	10/23/90	130			MG/L
		K	11/9/90	147			MG/L
		K	7/30/90	140			MG/L
		K	9/12/90	140			MG/L
	TOTAL ORGANIC CARBON	K	6/8/89	0.85			MG/L
		K	7/30/90	0.32			MG/L
		K	10/23/90	0.28			MG/L
		K	11/9/90	2.8			MG/L
	TOTAL PHOSPHATE	K	9/25/90	0.36			MG/L
		K	11/9/90	0.3			MG/L
		K	10/23/90	0.32			MG/L
NW-2	BICARBONATE	K	6/5/89	270			MG/L
	CHLORIDE	K	9/12/90	140			MG/L
		K	7/30/90	150			MG/L
		K	6/5/89	180			MG/L
		K	10/23/90	130			MG/L
		K	7/2/90	150			MG/L
	FLUORIDE	K	9/12/90	0.2			MG/L
		K	6/5/89	0.3			MG/L
		K	10/23/90	0.2			MG/L
		K	7/30/90	0.5			MG/L
		K	7/2/90	0.3			MG/L
	HARDNESS	K	9/12/90	150			MG/L
		K	7/2/90	160			MG/L
		K	7/30/90	170			MG/L
		K	10/23/90	150			MG/L
	LABORATORY PH	K	7/30/90	7.1			UNITS
		K	9/12/90	7.3			UNITS
		K	7/2/90	7.2			UNITS
		K	6/5/89	7.2			UNITS
		K	10/23/90	7.6			UNITS
	NITRATE AS NITROGEN	K	10/23/90	3.9			MG/L
		K	9/12/90	4			MG/L
		K	7/30/90	4.8			MG/L
		K	6/5/89	4.1			MG/L
		K	7/2/90	3.5			MG/L
	SULFATE	K	6/5/89	69			MG/L
		K	10/23/90	68			MG/L
		K	7/2/90	70			MG/L
		K	7/30/90	70			MG/L
		K	9/12/90	70			MG/L
	TOTAL DISSOLVED SOLIDS	K	10/23/90	540			MG/L
		K	6/5/89	620			MG/L
		K	7/30/90	560			MG/L
		K	7/2/90	560			MG/L
		K	9/12/90	530			MG/L
	TOTAL KJELDAHL NITROGEN	K	7/2/90	0.2			MG/L
		K	7/30/90	0.2	U		MG/L
		K	10/23/90	0.2	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
NW-2	TOTAL KJELDAHL NITROGEN	K	9/19/90	0.2	U		MG/L
	TOTAL OR MP ALKALINITY	K	9/12/90	190			MG/L
		K	10/23/90	170			MG/L
		K	7/2/90	190			MG/L
		K	7/30/90	190			MG/L
	TOTAL ORGANIC CARBON	K	7/2/90	0.84		D	MG/L
		K	10/23/90	0.56			MG/L
		K	7/2/90	0.81		D	MG/L
		K	7/30/90	0.63			MG/L
	TOTAL PHOSPHATE	K	10/23/90	0.68			MG/L
		K	10/5/90	0.68			MG/L
		K	7/2/90	4.8			MG/L
NW-3	BICARBONATE	K	6/8/89	260			MG/L
	CHLORIDE	K	6/8/89	160			MG/L
		K	9/12/90	140			MG/L
		K	7/30/90	140			MG/L
		K	7/2/90	150			MG/L
		K	10/23/90	0.0005	U		MG/L
	FLUORIDE	K	6/8/89	0.3			MG/L
		K	7/2/90	0.4			MG/L
		K	10/23/90	5	U		MG/L
		K	9/12/90	0.2			MG/L
		K	7/30/90	0.2			MG/L
	HARDNESS	K	10/23/90	5	U		MG/L
		K	9/12/90	150			MG/L
		K	7/2/90	150			MG/L
		K	7/30/90	160			MG/L
	LABORATORY PH	K	10/23/90	0.0005	U		UNITS
		K	9/12/90	7.1			UNITS
		K	7/30/90	7.3			UNITS
		K	7/2/90	7			UNITS
		K	6/8/89	7.3			UNITS
	NITRATE AS NITROGEN	K	10/23/90	0.1	U		MG/L
		K	9/12/90	2.1			MG/L
		K	7/30/90	2.3			MG/L
		K	7/2/90	2.1			MG/L
		K	6/8/89	0.8			MG/L
	SULFATE	K	7/30/90	75			MG/L
		K	10/23/90	5	U		MG/L
		K	6/8/89	76			MG/L
		K	9/12/90	75			MG/L
	TOTAL DISSOLVED SOLIDS	K	7/30/90	540			MG/L
		K	6/8/89	590			MG/L
		K	7/2/90	530			MG/L
		K	9/12/90	520			MG/L
		K	10/23/90	20	U		MG/L
	TOTAL KJELDAHL NITROGEN	K	9/19/90	0.3			MG/L
		K	7/2/90	0.3			MG/L
		K	7/30/90	0.2	U		MG/L
		K	10/23/90	0.0005	U		MG/L
	TOTAL OR MP ALKALINITY	K	9/12/90	170			MG/L
		K	7/30/90	180			MG/L
		K	7/2/90	180			MG/L
		K	10/23/90	5	U		MG/L
	TOTAL ORGANIC CARBON	K	7/30/90	0.63			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
NW-3	TOTAL ORGANIC CARBON	K	6/8/89	1.2			MG/
		K	7/2/90	0.81		D	M
		K	7/2/90	0.84		D	MG/L
		K	10/23/90	0.43			MG/L
	TOTAL PHOSPHATE	K	7/30/90	220			MG/L
		K	7/2/90	1.2			MG/L
		K	9/25/90	0.94			MG/L
		K	10/23/90	0.0005	U		MG/L
SIBW-10U	BICARBONATE ALKALINITY	AA	2/10/94	297			MG/L
		EC	4/21/92	240			MG/L
		AA	1/4/93	270			MG/L
	CHEMICAL OXYGEN DEMAND	ES	7/24/92	5	U		MG/L
		AM	1/4/93	5.1			MG/L
		EC	4/21/92	20	U		MG/L
		EA	2/10/94	46.8	J		MG/L
		MA	10/16/91	7.2			MG/L
		EA	7/25/91	10	U		MG/L
		II	4/25/91	10.4			MG/L
		ES	10/8/92	5			MG/L
	CHLORIDE	AA	1/4/93	184			MG/L
		AA	7/24/92	168			MG/L
		AA	10/8/92	176			MG/L
		EC	4/21/92	130			MG/L
		AA	10/16/91	155			MG/L
		AA	1/13/92	158			MG/L
		EA	7/25/91	176	J		MG/L
		AA	4/25/91	175			MG
		AA	2/10/94	182			MG
	CO3 OR P ALKALINITY	EC	4/21/92	2	U		MG/L
		AA	2/10/94	20	U		MG/L
		AA	1/4/93	20	U		MG/L
	HARDNESS	EA	7/25/91	192			MG/L
		AA	1/4/93	254			MG/L
		II	4/25/91	232			MG/L
		MA	10/16/91	214			MG/L
		EC	4/21/92	220			MG/L
		AA	10/8/92	237			MG/L
		AA	2/10/94	277			MG/L
		AA	7/24/92	225			MG/L
	NITRATE AS NITROGEN	ES	7/24/92	5			MG/L
		II	4/25/91	2			MG/L
		ES	10/8/92	5.1	J		MG/L
		AM	1/4/93	4.5			MG/L
		EA	2/10/94	2.24			MG/L
		EC	4/21/92	4.6			MG/L
	SULFATE	AA	4/25/91	83.6			MG/L
		AA	1/4/93	103			MG/L
		AA	10/16/91	74.2			MG/L
		AA	7/24/92	86.6			MG/L
		AA	10/8/92	92.6			MG/L
		AA	2/10/94	95.9			MG/L
		EC	4/21/92	75			MG/L
		AA	1/13/92	74.8			MG
		EA	7/25/91	65	J		MG
	SULFIDE	II	4/25/91	1	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-10U	SULFIDE	EC	4/21/92	1	U		MG/L
		AA	2/10/94	1	U		MG/L
		AA	1/4/93	1	U		MG/L
		AA	10/8/92	1	U		MG/L
		AA	7/24/92	1	U		MG/L
		AA	10/16/91	1	U		MG/L
		EA	7/25/91	4			MG/L
		AA	1/13/92	26.4			MG/L
	TOTAL DISSOLVED SOLIDS	AA	4/25/91	705			MG/L
		AA	1/13/92	676			MG/L
		AA	10/16/91	659			MG/L
		EA	7/25/91	646			MG/L
		AA	7/24/92	719			MG/L
		AA	10/8/92	731			MG/L
		AA	1/4/93	743			MG/L
		AA	2/10/94	786			MG/L
		EC	4/21/92	680			MG/L
	TOTAL OR MP ALKALINITY	AA	1/13/92	251			MG/L
		EC	4/21/92	240			MG/L
		AA	7/24/92	225			MG/L
		AA	1/4/93	270			MG/L
		AA	10/8/92	257			MG/L
		AA	2/10/94	297			MG/L
		EA	7/25/91	181			MG/L
		AA	10/16/91	261			MG/L
		AA	4/25/91	282			MG/L
	TOTAL ORGANIC CARBON	EA	7/25/91	2	U		MG/L
		MA	10/16/91	12.7			MG/L
		ES	7/24/92	1.8	J		MG/L
		ES	10/8/92	1	U		MG/L
		AM	1/4/93	2	U		MG/L
		EA	2/10/94	4.26	J		MG/L
		EC	4/21/92	2	U		MG/L
		II	4/25/91	2	U		MG/L
SIBW-11MC	BICARBONATE ALKALINITY	AA	1/7/93	225			MG/L
		AA	2/4/94	236			MG/L
		EC	4/17/92	240	J		MG/L
	CHEMICAL OXYGEN DEMAND	ES	7/28/92	5	U	D	MG/L
		EC	4/17/92	20	U		MG/L
		ES	10/8/92	7.5		D	MG/L
		EA	2/4/94	14.3	J		MG/L
		AM	1/7/93	5	U		MG/L
		ES	10/8/92	7.5		D	MG/L
		ES	7/28/92	5	U	D	MG/L
		MA	10/14/91	15			MG/L
	CHLORIDE	EC	4/17/92	270	J		MG/L
		AA	2/4/94	254			MG/L
		AA	1/7/93	276			MG/L
		AA	10/8/92	279		D	MG/L
		AA	10/8/92	277		D	MG/L
		AA	7/28/92	291		D	MG/L
		AA	10/14/91	234			MG/L
		AA	1/13/92	275			MG/L
		AA	7/28/92	290		D	MG/L
	CO3 OR P ALKALINITY	AA	1/7/93	20	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-11MC	CO3 OR P ALKALINITY	EC	4/17/92	20	U		MG/
		AA	2/4/94	20	U		M
	HARDNESS	MA	10/14/91	316			MG/L
		AA	2/4/94	330			MG/L
		AA	7/28/92	332		D	MG/L
		EC	4/17/92	320	J		MG/L
		AA	1/7/93	330			MG/L
		AA	10/8/92	331		D	MG/L
		AA	7/28/92	334		D	MG/L
		AA	10/8/92	333		D	MG/L
	NITRATE AS NITROGEN	AM	1/7/93	5.5			MG/L
		ES	10/8/92	5.6	J	D	MG/L
		EA	2/4/94	5.51			MG/L
		EC	4/17/92	6	J		MG/L
		ES	10/8/92	5		D	MG/L
		ES	7/28/92	5.9		D	MG/L
		ES	7/28/92	6		D	MG/L
	SULFATE	EC	4/17/92	90	J		MG/L
		AA	10/8/92	85	J	D	MG/L
		AA	7/28/92	84.2		D	MG/L
		AA	7/28/92	84.9		D	MG/L
		AA	1/13/92	85.8			MG/L
		AA	2/4/94	81.5			MG/L
		AA	1/7/93	87.8			MG/L
		AA	10/14/91	83.8			MG/L
		AA	10/8/92	86.1	J	D	MG/L
	SULFIDE	AA	1/13/92	21.8			MG
		AA	10/14/91	1.2	J		MG
		AA	7/28/92	1	U	D	MG/L
		AA	7/28/92	1	U	D	MG/L
		AA	10/8/92	1	U	D	MG/L
		AA	10/8/92	1	U	D	MG/L
		AA	1/7/93	1	U		MG/L
		EC	4/17/92	1	U		MG/L
		AA	2/4/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	7/28/92	850		D	MG/L
		AA	1/13/92	884			MG/L
		AA	1/7/93	845			MG/L
		AA	10/14/91	844			MG/L
		AA	7/28/92	865		D	MG/L
		AA	10/8/92	848		D	MG/L
		EC	4/17/92	850	J		MG/L
		AA	2/4/94	826			MG/L
		AA	10/8/92	861		D	MG/L
	TOTAL OR MP ALKALINITY	AA	10/14/91	260			MG/L
		AA	7/28/92	223		D	MG/L
		AA	10/8/92	217	J	D	MG/L
		AA	1/13/92	244			MG/L
		AA	7/28/92	220		D	MG/L
		AA	10/8/92	216	J	D	MG/L
		AA	1/7/93	225			MG/L
		AA	2/4/94	236			MG/L
		EC	4/17/92	240	J		MG
	TOTAL ORGANIC CARBON	ES	7/28/92	1	U	D	MG/
		ES	10/8/92	1	U	D	MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-11MC	TOTAL ORGANIC CARBON	ES	10/8/92	1	U	D	MG/L
		EA	2/4/94	0.53	J		MG/L
		MA	10/14/91	13.1			MG/L
		ES	7/28/92	1	U	D	MG/L
		AM	1/7/93	2	U		MG/L
		EC	4/17/92	2	U		MG/L
SIBW-12L	BICARBONATE ALKALINITY	AA	1/8/93	102			MG/L
		EC	4/23/92	100			MG/L
		AA	2/11/94	126			MG/L
	CHEMICAL OXYGEN DEMAND	ES	10/5/92	5	U		MG/L
		MA	10/21/91	18.2			MG/L
		EC	4/23/92	20	U		MG/L
		AM	1/8/93	58.6	J		MG/L
		ES	7/20/92	5	U		MG/L
		EA	2/11/94	17.3	J		MG/L
	CHLORIDE	AA	10/21/91	294			MG/L
		EC	4/23/92	300			MG/L
		AA	2/11/94	260			MG/L
		AA	1/8/93	295			MG/L
		AA	7/20/92	295			MG/L
		AA	1/14/92	278		D	MG/L
		AA	1/14/92	293		D	MG/L
		AA	10/5/92	280			MG/L
	CO3 OR P ALKALINITY	EC	4/23/92	2	U		MG/L
		AA	1/8/93	20	U		MG/L
		AA	2/11/94	20	U		MG/L
	HARDNESS	AA	2/11/94	141			MG/L
		MA	10/21/91	168			MG/L
		AA	7/20/92	138			MG/L
		AA	10/5/92	152			MG/L
		EC	4/23/92	140			MG/L
		AA	1/8/93	140			MG/L
	NITRATE AS NITROGEN	ES	7/20/92	3			MG/L
		EA	2/11/94	3			MG/L
		ES	10/5/92	3	J		MG/L
		AM	1/8/93	3.1			MG/L
		EC	4/23/92	3.2			MG/L
	SULFATE	AA	10/5/92	110			MG/L
		AA	1/8/93	115			MG/L
		EC	4/23/92	120			MG/L
		AA	7/20/92	110	J		MG/L
		AA	10/21/91	108			MG/L
		AA	1/14/92	111		D	MG/L
		AA	1/14/92	107		D	MG/L
		AA	2/11/94	99.4			MG/L
	SULFIDE	EC	4/23/92	1	U		MG/L
		AA	1/14/92	33.2	J		MG/L
		AA	7/20/92	1	U		MG/L
		AA	10/5/92	1	U		MG/L
		AA	2/11/94	1	U		MG/L
		AA	10/21/91	27.2	J		MG/L
		AA	1/8/93	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	1/14/92	811		D	MG/L
		AA	10/21/91	756			MG/L
		AA	7/20/92	764			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-12L	TOTAL DISSOLVED SOLIDS	EC	4/23/92	770			MG/L
		AA	10/5/92	768			MG/L
		AA	1/8/93	763			MG/L
		AA	2/11/94	759			MG/L
		AA	1/14/92	801		D	MG/L
	TOTAL OR MP ALKALINITY	AA	2/11/94	126			MG/L
		EC	4/23/92	100			MG/L
		AA	1/14/92	103		D	MG/L
		AA	1/14/92	105		D	MG/L
		AA	10/21/91	129			MG/L
		AA	7/20/92	104			MG/L
		AA	10/5/92	102			MG/L
		AA	1/8/93	102			MG/L
	TOTAL ORGANIC CARBON	MA	10/21/91	10.9			MG/L
		AM	1/8/93	22.5	J		MG/L
		ES	10/5/92	1.1	J		MG/L
		EC	4/23/92	5.5			MG/L
		ES	7/20/92	1	U		MG/L
		EA	2/11/94	0.67	J		MG/L
SIBW-13MC	BICARBONATE ALKALINITY	AA	1/11/93	262			MG/L
		EC	4/21/92	260		D	MG/L
		EC	4/21/92	270		D	MG/L
		AA	2/15/94	262			MG/L
	CHEMICAL OXYGEN DEMAND	ES	7/24/92	5	U		MG/L
		PB	1/16/92	5	U		MG/L
		ES	10/7/92	5	U		MG/L
		MA	10/22/91	6.2			MG/L
		AM	1/11/93	5	U		MG/L
		EA	2/15/94	46.8	J		MG/L
		EC	4/21/92	20	U	D	MG/L
		EC	4/21/92	20	U	D	MG/L
	CHLORIDE	AA	7/24/92	246			MG/L
		AA	1/11/93	245			MG/L
		U	1/16/92	243			MG/L
		AA	10/22/91	244			MG/L
		AA	10/7/92	245			MG/L
		EC	4/21/92	210		D	MG/L
		EC	4/21/92	240		D	MG/L
		AA	2/15/94	212			MG/L
	CO3 OR P ALKALINITY	AA	1/11/93	20	U		MG/L
		EC	4/21/92	2	U	D	MG/L
		EC	4/21/92	2	U	D	MG/L
		AA	2/15/94	2	U		MG/L
	HARDNESS	MA	10/22/91	388			MG/L
		AA	2/15/94	396			MG/L
		AA	1/11/93	410			MG/L
		AA	10/7/92	410			MG/L
		AA	7/24/92	414			MG/L
		PB	1/16/92	416			MG/L
		EC	4/21/92	420		D	MG/L
		EC	4/21/92	440		D	MG/L
	NITRATE AS NITROGEN	EC	4/21/92	4.7		D	MG/L
		PB	1/16/92	4.22			MG/L
		ES	7/24/92	4.4			MG/L
		EA	2/15/94	4.07			MG/L

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Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-13MC	NITRATE AS NITROGEN	ES	10/7/92	4.2	J		MG/L
		EC	4/21/92	4.8		D	MG/L
		AM	1/11/93	4.3			MG/L
	SULFATE	EC	4/21/92	100		D	MG/L
		U	1/16/92	114			MG/L
		AA	2/15/94	110			MG/L
		EC	4/21/92	110		D	MG/L
		AA	1/11/93	122			MG/L
		AA	10/7/92	116	J		MG/L
		AA	7/24/92	114			MG/L
		AA	10/22/91	112			MG/L
	SULFIDE	AA	1/16/92	1	U		MG/L
		AA	1/11/93	1	U		MG/L
		EC	4/21/92	1	U	D	MG/L
		AA	2/15/94	1	U		MG/L
		AA	10/7/92	1	U		MG/L
		AA	7/24/92	1	U		MG/L
		AA	10/22/91	1	U		MG/L
		EC	4/21/92	1	U	D	MG/L
	TOTAL DISSOLVED SOLIDS	AA	10/7/92	849			MG/L
		EC	4/21/92	880		D	MG/L
		EC	4/21/92	870		D	MG/L
		AA	1/11/93	863			MG/L
		AA	7/24/92	881			MG/L
		AA	10/22/91	888			MG/L
		U	1/16/92	859			MG/L
		AA	2/15/94	849			MG/L
	TOTAL OR MP ALKALINITY	U	1/16/92	273			MG/L
		AA	7/24/92	265			MG/L
		EC	4/21/92	260		D	MG/L
		AA	10/7/92	261	J		MG/L
		AA	1/11/93	262			MG/L
		AA	10/22/91	259			MG/L
		EC	4/21/92	270		D	MG/L
		AA	2/15/94	262			MG/L
	TOTAL ORGANIC CARBON	MA	10/22/91	17.6			MG/L
		ES	7/24/92	1.6	J		MG/L
		ES	10/7/92	1	U		MG/L
		AM	1/11/93	2	U		MG/L
		EA	2/15/94	3.18			MG/L
		PB	1/16/92	2	U		MG/L
		EC	4/21/92	2	U	D	MG/L
		EC	4/21/92	2	U	D	MG/L
SIBW-14MC	BICARBONATE ALKALINITY	AA	1/5/93	117			MG/L
		EC	4/16/92	110			MG/L
		AA	2/7/94	126			MG/L
	CHEMICAL OXYGEN DEMAND	ES	7/21/92	5	U		MG/L
		EA	2/7/94	4.14	U		MG/L
		PB	1/9/92	5	U		MG/L
		EC	4/16/92	20	U		MG/L
		MA	10/21/91	7.1		D	MG/L
		ES	10/6/92	5	U		MG/L
		AM	1/5/93	5.1	J		MG/L
		MA	10/21/91	6.8		D	MG/L
	CHLORIDE	AA	10/21/91	245		D	MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-14MC	CHLORIDE	AA	10/21/91	256		D	MG/L
		AA	7/21/92	254			MG/L
		AA	1/5/93	254			MG/L
		AA	1/9/92	254			MG/L
		EC	4/16/92	240			MG/L
		AA	10/6/92	250			MG/L
		AA	2/7/94	244			MG/L
	CO3 OR P ALKALINITY	AA	2/7/94	20	U		MG/L
		AA	1/5/93	20	U		MG/L
		EC	4/16/92	20	U		MG/L
	HARDNESS	MA	10/21/91	216		D	MG/L
		AA	2/7/94	211			MG/L
		AA	10/6/92	214			MG/L
		MA	10/21/91	212		D	MG/L
		AA	1/5/93	215			MG/L
		EC	4/16/92	213			MG/L
		AA	7/21/92	208			MG/L
	NITRATE AS NITROGEN	AM	1/5/93	0.75			MG/L
		PB	1/9/92	0.53			MG/L
		ES	10/6/92	0.59	J		MG/L
		EA	2/7/94	0.722			MG/L
		EC	4/16/92	0.43			MG/L
		ES	7/21/92	0.41			MG/L
	SULFATE	AA	1/9/92	20.8			MG/L
		EC	4/16/92	50	U		MG/L
		AA	7/21/92	45.2	J		MG/L
		AA	10/21/91	41.8		D	MG/L
		AA	2/7/94	45.9			MG/L
		AA	1/5/93	52.1			MG/L
		AA	10/6/92	46.3			MG/L
		AA	10/21/91	42		D	MG/L
	SULFIDE	AA	10/21/91	21.4	J	D	MG/L
		AA	10/21/91	22.1	J	D	MG/L
		AA	7/21/92	1	U		MG/L
		AA	10/6/92	1	U		MG/L
		EC	4/16/92	1	U		MG/L
		AA	1/5/93	1	U		MG/L
		AA	2/7/94	1	U		MG/L
		AA	1/9/92	45.7			MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/4/94	615			MG/L
		AA	10/6/92	624			MG/L
		EC	4/16/92	630			MG/L
		AA	1/5/93	587			MG/L
		AA	10/21/91	577		D	MG/L
		AA	10/21/91	593		D	MG/L
		AA	1/9/92	570			MG/L
		AA	7/21/92	636			MG/L
	TOTAL OR MP ALKALINITY	AA	2/7/94	126			MG/L
		AA	7/21/92	109			MG/L
		AA	10/21/91	155		D	MG/L
		AA	10/21/91	99.5		D	MG/L
		AA	1/5/93	117			MG/L
		AA	10/6/92	105			MG/L
		EC	4/16/92	110			MG/L
		AA	1/9/92	114			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-14MC	TOTAL ORGANIC CARBON	MA	10/21/91	7.4		D	MG/L
		PB	1/9/92	2	U		MG/L
		MA	10/21/91	7.6		D	MG/L
		EA	2/7/94	0.306	J		MG/L
		AM	1/5/93	2	U		MG/L
		ES	7/21/92	1	U		MG/L
		EC	4/16/92	2	U		MG/L
		ES	10/6/92	1	U		MG/L
SIBW-15MB	BICARBONATE ALKALINITY	EC	4/20/92	200			MG/L
		AA	2/10/94	196			MG/L
		AA	1/11/93	209		D	MG/L
		AA	1/11/93	203		D	MG/L
	CHEMICAL OXYGEN DEMAND	AM	1/11/93	5	U	D	MG/L
		ES	7/27/92	5	U		MG/L
		EA	2/10/94	50.7	J		MG/L
		EC	4/20/92	110			MG/L
		MA	10/23/91	7.5			MG/L
		AM	1/11/93	5	U	D	MG/L
		ES	10/8/92	5	U		MG/L
		PB	1/16/92	5	U		MG/L
	CHLORIDE	AA	1/11/93	323		D	MG/L
		U	1/16/92	292			MG/L
		AA	1/11/93	322		D	MG/L
		EC	4/20/92	340			MG/L
		AA	2/10/94	291			MG/L
		AA	10/8/92	317			MG/L
		AA	7/27/92	330			MG/L
		AA	10/23/91	307			MG/L
	CO3 OR P ALKALINITY	EC	4/20/92	2	U		MG/L
		AA	2/10/94	20	U		MG/L
		AA	1/11/93	20	U	D	MG/L
		AA	1/11/93	20	U	D	MG/L
	HARDNESS	PB	1/16/92	380			MG/L
		EC	4/20/92	360			MG/L
		AA	2/10/94	374			MG/L
		AA	10/8/92	373			MG/L
		AA	1/11/93	378		D	MG/L
		AA	7/27/92	373			MG/L
		MA	10/23/91	360			MG/L
		AA	1/11/93	384		D	MG/L
	NITRATE AS NITROGEN	PB	1/16/92	9.72			MG/L
		EC	4/20/92	11			MG/L
		EA	2/10/94	9.51			MG/L
		AM	1/11/93	9.7		D	MG/L
		AM	1/11/93	9.7		D	MG/L
		ES	7/27/92	9.4			MG/L
		ES	10/8/92	9.8	J		MG/L
	SULFATE	AA	1/11/93	67.7		D	MG/L
		AA	1/11/93	66.7		D	MG/L
		AA	7/27/92	62.7			MG/L
		AA	2/10/94	60.8			MG/L
		U	1/16/92	57.9			MG/L
		AA	10/23/91	61			MG/L
		EC	4/20/92	67			MG/L
		AA	10/8/92	63.9			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-15MB	SULFIDE	EC	4/20/92	1	U		MG/L
		AA	1/16/92	5.2			MG/L
		AA	10/23/91	1	U		MG/L
		AA	7/27/92	1	U		MG/L
		AA	10/8/92	1	U		MG/L
		AA	1/11/93	1	U	D	MG/L
		AA	1/11/93	1	U	D	MG/L
		AA	2/10/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	10/23/91	811			MG/L
		AA	7/27/92	900			MG/L
		EC	4/20/92	890			MG/L
		AA	10/8/92	879			MG/L
		AA	1/11/93	892		D	MG/L
		U	1/16/92	860			MG/L
		AA	1/11/93	895		D	MG/L
	TOTAL OR MP ALKALINITY	EC	4/20/92	200			MG/L
		AA	10/23/91	206			MG/L
		U	1/16/92	205			MG/L
		AA	10/8/92	200			MG/L
		AA	7/27/92	198			MG/L
		AA	2/10/94	196			MG/L
		AA	1/11/93	203		D	MG/L
		AA	1/11/93	209		D	MG/L
	TOTAL ORGANIC CARBON	EA	2/10/94	2.3	J		MG/L
		EC	4/20/92	2	U		MG/L
		AM	1/11/93	2	U	D	MG/L
		AM	1/11/93	2	U	D	MG/L
		ES	7/27/92	1	U		MG/L
		PB	1/16/92	2	U		MG/L
		ES	10/8/92	1	U		MG/L
		MA	10/23/91	14.9			MG/L
SIBW-16MB	BICARBONATE ALKALINITY	EC	4/23/92	310			MG/L
		AA	2/11/94	290			MG/L
		AA	1/8/93	292			MG/L
	CHEMICAL OXYGEN DEMAND	MA	10/21/91	5	U		MG/L
		AM	1/8/93	49.3	J		MG/L
		EA	2/11/94	29.1	J		MG/L
		ES	7/20/92	6			MG/L
		EC	4/23/92	20	U		MG/L
		ES	10/5/92	5	U		MG/L
	CHLORIDE	EC	4/23/92	470			MG/L
		AA	7/20/92	168			MG/L
		AA	10/5/92	178			MG/L
		AA	1/8/93	165			MG/L
		AA	1/14/92	155			MG/L
		AA	2/11/94	170			MG/L
		AA	10/21/91	155			MG/L
	CO3 OR P ALKALINITY	EC	4/23/92	2	U		MG/L
		AA	2/11/94	20	U		MG/L
		AA	1/8/93	20	U		MG/L
	HARDNESS	AA	2/11/94	257			MG/L
		MA	10/21/91	236			MG/L
		AA	7/20/92	243			MG/L
		AA	1/8/93	236			MG/L
		EC	4/23/92	260			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-16MB	HARDNESS	AA	10/5/92	238			MG/L
	NITRATE AS NITROGEN	ES	7/20/92	2.5			MG/L
		ES	10/5/92	2.7	J		MG/L
		EC	4/23/92	2.3			MG/L
		EA	2/11/94	4.21			MG/L
		AM	1/8/93	3.2			MG/L
	SULFATE	AA	10/5/92	86.2			MG/L
		AA	7/20/92	82.8	J		MG/L
		AA	1/8/93	81.9			MG/L
		AA	2/11/94	77.7			MG/L
		EC	4/23/92	93			MG/L
		AA	10/21/91	85.4			MG/L
		AA	1/14/92	86.1			MG/L
	SULFIDE	EC	4/23/92	1	U		MG/L
		AA	10/21/91	1	U		MG/L
		AA	7/20/92	1	U		MG/L
		AA	10/5/92	1	U		MG/L
		AA	1/13/92	18	J		MG/L
		AA	2/11/94	1	U		MG/L
		AA	1/8/93	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	1/14/92	755			MG/L
		AA	10/21/91	709			MG/L
		AA	7/20/92	725			MG/L
		AA	10/5/92	703			MG/L
		AA	1/8/93	716			MG/L
		AA	2/11/94	758			MG/L
		EC	4/23/92	710			MG/L
	TOTAL OR MP ALKALINITY	AA	2/11/94	290			MG/L
		AA	1/8/93	292			MG/L
		AA	10/5/92	283			MG/L
		AA	7/20/92	305			MG/L
		AA	10/21/91	308			MG/L
		AA	1/14/92	314			MG/L
		EC	4/23/92	310			MG/L
	TOTAL ORGANIC CARBON	EC	4/23/92	2.4			MG/L
		MA	10/21/91	13.4			MG/L
		AM	1/8/93	23.8	J		MG/L
		EA	2/11/94	0.856	J		MG/L
		ES	7/20/92	1.6	J		MG/L
		ES	10/5/92	1	J		MG/L
SIBW-17MB	BICARBONATE ALKALINITY	EC	4/18/92	210			MG/L
		AA	1/4/93	236			MG/L
		AA	2/2/94	242			MG/L
	CHEMICAL OXYGEN DEMAND	MA	10/22/91	5	U	D	MG/L
		ES	7/22/92	5	U		MG/L
		MA	10/22/91	8.7		D	MG/L
		ES	10/9/92	7.5	J		MG/L
		AM	1/4/93	5	U		MG/L
		EC	4/18/92	20	U		MG/L
		EA	2/2/94	4.14	U		MG/L
	CHLORIDE	EC	4/18/92	220			MG/L
		AA	1/13/92	194			MG/L
		AA	10/22/91	207		D	MG/L
		AA	10/22/91	192		D	MG/L
		AA	7/22/92	199			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-17MB	CHLORIDE	AA	10/9/92	194			MG/L
		AA	2/2/94	181			MG/L
		AA	1/4/93	190			MG/L
	CO3 OR P ALKALINITY	AA	1/4/93	20	U		MG/L
		AA	2/2/94	20	U		MG/L
		EC	4/18/92	2	U		MG/L
	HARDNESS	MA	10/22/91	224		D	MG/L
		MA	10/22/91	216		D	MG/L
		AA	7/22/92	237			MG/L
		AA	10/9/92	231			MG/L
		AA	1/4/93	233			MG/L
		AA	2/2/94	220			MG/L
		EC	4/18/92	220			MG/L
	NITRATE AS NITROGEN	EA	2/2/94	5.17			MG/L
		AM	1/4/93	4.9			MG/L
		ES	10/9/92	4.9	J		MG/L
		ES	7/22/92	5.2			MG/L
		EC	4/18/92	6.4			MG/L
	SULFATE	AA	10/22/91	61.9		D	MG/L
		AA	2/2/94	60.7			MG/L
		AA	10/22/91	64		D	MG/L
		AA	7/22/92	65.9	J		MG/L
		AA	1/13/92	65.5			MG/L
		AA	1/4/93	65.6			MG/L
		EC	4/18/92	71			MG/L
		AA	10/9/92	64.3	J		MG/L
	SULFIDE	EC	4/18/92	1	U		MG/L
		AA	10/9/92	1	U		MG/L
		AA	10/22/91	9.4	J	D	MG/L
		AA	2/2/94	1	U		MG/L
		AA	7/22/92	1	U		MG/L
		AA	1/4/93	1	U		MG/L
		AA	1/13/92	21			MG/L
		AA	10/22/91	1	U	D	MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/2/94	679			MG/L
		EC	4/18/92	700			MG/L
		AA	10/22/91	683		D	MG/L
		AA	10/9/92	680			MG/L
		AA	1/4/93	667			MG/L
		AA	7/22/92	702			MG/L
		AA	1/13/92	714			MG/L
		AA	10/22/91	694		D	MG/L
	TOTAL OR MP ALKALINITY	AA	10/22/91	220		D	MG/L
		EC	4/18/92	210			MG/L
		AA	10/9/92	231	J		MG/L
		AA	10/22/91	206		D	MG/L
		AA	7/22/92	240			MG/L
		AA	1/13/92	241			MG/L
		AA	2/2/94	242			MG/L
		AA	1/4/93	236			MG/L
	TOTAL ORGANIC CARBON	MA	10/22/91	16.6			MG/L
		ES	7/22/92	1	J		MG/L
		ES	10/9/92	1	U		MG/L
		MA	10/21/91	15.9			MG/L
		AM	1/4/93	2	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-17MB	TOTAL ORGANIC CARBON	EA	2/2/94	3.2			MG/L
		EC	4/18/92	2	U		MG/L
SIBW-18MB	BICARBONATE ALKALINITY	EC	4/13/92	130			MG/L
		AA	1/5/93	130			MG/L
		AA	2/7/94	342			MG/L
	CHEMICAL OXYGEN DEMAND	PB	1/9/92	5	U		MG/L
		EA	2/7/94	4.14	U		MG/L
		ES	10/6/92	5	U		MG/L
		ES	7/21/92	5	U		MG/L
		AM	1/5/93	5	U		MG/L
		EC	4/13/92	20	U		MG/L
		MA	10/21/91	8			MG/L
	CHLORIDE	AA	10/6/92	240			MG/L
		AA	2/7/94	240			MG/L
		AA	1/9/92	244			MG/L
		AA	10/21/91	242			MG/L
		AA	7/21/92	255			MG/L
		EC	4/13/92	230			MG/L
		AA	1/5/93	255			MG/L
	CO3 OR P ALKALINITY	EC	4/13/92	20	U		MG/L
		AA	2/7/94	20	U		MG/L
		AA	1/5/93	20	U		MG/L
	HARDNESS	AA	2/7/94	229			MG/L
		AA	1/5/93	231			MG/L
		EC	4/13/92	260			MG/L
		AA	10/6/92	243			MG/L
		PB	1/9/92	272			MG/L
		AA	7/21/92	235			MG/L
		MA	10/21/91	236			MG/L
	NITRATE AS NITROGEN	EA	2/7/94	0.651			MG/L
		AM	1/5/93	0.57			MG/L
		ES	10/6/92	0.52	J		MG/L
		EC	4/13/92	0.73			MG/L
		ES	7/21/92	0.54			MG/L
		PB	1/9/92	3.16			MG/L
	SULFATE	AA	2/7/94	38.6			MG/L
		AA	10/21/91	38			MG/L
		AA	1/9/92	19.8			MG/L
		AA	7/21/92	41.2	J		MG/L
		AA	1/5/93	42.1			MG/L
		EC	4/13/92	2.5	U		MG/L
		AA	10/6/92	40.6			MG/L
	SULFIDE	AA	10/6/92	1	U		MG/L
		AA	10/21/91	65.3	J		MG/L
		AA	1/9/91	18			MG/L
		EC	4/13/92	1	U		MG/L
		AA	2/7/94	1	U		MG/L
		AA	1/5/93	1	U		MG/L
		AA	7/21/92	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	EC	4/13/92	590			MG/L
		AA	1/9/92	614			MG/L
		AA	2/7/94	598			MG/L
		AA	10/6/92	626			MG/L
		AA	10/21/91	565			MG/L
		AA	7/21/92	636			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-18MB	TOTAL DISSOLVED SOLIDS	AA	1/5/93	581			MG/L
	TOTAL OR MP ALKALINITY	AA	1/9/92	184			MG/L
		EC	4/13/92	130			MG/L
		AA	10/6/92	130			MG/L
		AA	1/5/93	130			MG/L
		AA	10/21/91	142			MG/L
		AA	7/21/92	126			MG/L
		AA	2/7/94	342			MG/L
	TOTAL ORGANIC CARBON	MA	10/21/91	9			MG/L
		ES	10/6/92	1	U		MG/L
		AM	1/5/93	2	U		MG/L
		EA	2/7/94	0.319	J		MG/L
		EC	4/13/92	2	U		MG/L
		PB	1/9/92	2	U		MG/L
		ES	7/21/92	1	U		MG/L
SIBW-19U	AMMONIA AS NITROGEN	AT	10/11/93	0.03	U		MG/L
		AT	1/17/94	0.03	U		MG/L
		AT	7/14/93	0.03	U	D	MG/L
		AT	7/14/93	0.03	U	D	MG/L
	BICARBONATE ALKALINITY	AA	1/7/93	261			MG/L
		AA	2/9/94	267			MG/L
		AT	4/14/93	235			MG/L
		AT	1/17/92	273			MG/L
		AT	4/27/92	255			MG/L
		AT	7/17/92	256		D	MG/L
		AT	1/7/93	257			MG/L
		AT	10/11/93	230			MG/L
		AT	7/14/93	227		D	MG/L
		AT	1/17/94	246			MG/L
		AT	10/16/92	266			MG/L
		AT	7/17/92	262		D	MG/L
		AT	7/14/93	223		D	MG/L
	CHEMICAL OXYGEN DEMAND	PB	1/17/92	5	U		MG/L
		AT	7/14/93	5	U	D	MG/L
		AT	7/14/93	5	U	D	MG/L
		AT	4/14/93	9			MG/L
		AT	1/7/93	9			MG/L
		AT	7/17/92	5	U	D	MG/L
		AM	1/7/93	5.1			MG/L
		ES	10/16/92	7.5	J		MG/L
		AT	7/17/92	6	U	D	MG/L
		AT	1/17/92	5			MG/L
		AT	10/11/93	8			MG/L
		AT	10/16/92	7			MG/L
		AT	1/17/94	5			MG/L
		AT	4/27/92	5	U		MG/L
		EA	2/9/94	7.51	J		MG/L
	CHLORIDE	AA	10/16/92	168			MG/L
		AT	7/17/92	160		D	MG/L
		AT	7/17/92	160		D	MG/L
		AT	1/7/93	170			MG/L
		AT	4/14/93	170			MG/L
		AT	7/14/93	160		D	MG/L
		AT	7/14/93	160		D	MG/L
		AT	1/17/94	160	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-19U	CHLORIDE	AA	2/9/94	147			MG/L
		AA	1/7/93	168			MG/L
		AT	10/16/92	160			MG/L
		AT	10/11/93	170			MG/L
		AA	1/17/92	135			MG/L
		AT	1/17/92	160			MG/L
		AT	4/27/92	160			MG/L
	CO3 OR P ALKALINITY	AT	1/17/92	1	U		MG/L
		AT	4/27/92	1	U		MG/L
		AA	1/7/93	20	U		MG/L
		AT	1/7/93	1	U		MG/L
		AT	7/17/92	1	U	D	MG/L
		AT	7/17/92	1	U	D	MG/L
		AT	10/16/92	1	U		MG/L
		AT	4/14/93	1	U		MG/L
		AT	1/17/94	1	U		MG/L
		AA	2/9/94	20	U		MG/L
		AT	7/14/93	1	U	D	MG/L
		AT	7/14/93	1	U	D	MG/L
		AT	10/11/93	1	U		MG/L
	HARDNESS	AT	1/17/94	260			MG/L
		AT	7/14/93	260		D	MG/L
		PB	1/17/92	304			MG/L
		AT	4/14/93	269			MG/L
		AT	1/7/93	299			MG/L
		AT	10/11/93	284			MG/L
		AT	7/14/93	264		D	MG/L
		AT	10/16/92	287			MG/L
		AA	2/9/94	281			MG/L
		AT	1/17/92	306			MG/L
		AT	7/17/92	269		D	MG/L
		AT	7/17/92	265		D	MG/L
		AA	1/7/93	312			MG/L
		AA	10/16/92	320			MG/L
		AT	4/27/92	253			MG/L
	LABORATORY PH	AT	7/17/92	7.5		D	UNITS
		AT	7/14/93	7.4		D	UNITS
		AT	1/17/94	7.4			UNITS
		AT	4/27/92	7.6			UNITS
		AT	1/17/92	7.8			UNITS
		AT	4/14/93	7.8			UNITS
		AT	7/17/92	7.6	U	D	UNITS
		AT	1/7/93	7.3			UNITS
		AT	10/16/92	7.3			UNITS
		AT	7/14/93	7.4		D	UNITS
		AT	10/11/93	7.5			UNITS
	NITRATE AS NITROGEN	AT	7/17/92	3.1		D	MG/L
		AT	4/14/93	1			MG/L
		AT	1/17/94	0.64			MG/L
		AM	1/7/93	1.8			MG/L
		AT	7/14/93	0.81		D	MG/L
		EA	2/9/94	0.573			MG/L
		AT	10/11/93	0.78			MG/L
		AT	1/7/93	1.83			MG/L
		ES	10/16/92	2.6	J		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-19U	NITRATE AS NITROGEN	AT	7/14/93	0.82		D	MG/
		AT	10/16/92	2.19			MG
		PB	1/17/92	4.31			MG/L
		AT	1/17/92	4.3			MG/L
		AT	4/27/92	3.4			MG/L
		AT	7/17/92	3.2	U	D	MG/L
	NO2/NO3-N, TOTAL	AT	7/14/93	0.82		D	MG/L
		AT	7/17/92	3.2		D	MG/L
		AT	7/17/92	3.1		D	MG/L
		AT	10/16/92	2.19			MG/L
		AT	1/7/93	1.83			MG/L
		AT	4/14/93	1			MG/L
		AT	7/14/93	0.81		D	MG/L
		AT	1/17/94	0.64			MG/L
		AT	10/11/93	0.78			MG/L
	PHOSPHOROUS, TOTAL	AT	1/17/94	0.05	U		MG/L
		AT	7/14/93	0.05	U	D	MG/L
		AT	10/11/93	0.05	U		MG/L
		AT	7/14/93	0.05	U	D	MG/L
	SULFATE	AT	10/11/93	100			MG/L
		AA	2/9/94	91.1			MG/L
		AT	7/14/93	92		D	MG/L
		AT	1/17/92	90			MG/L
		AT	4/27/92	83			MG/L
		AT	4/14/93	95			MG/L
		AT	1/7/93	110			MG/L
		AT	10/16/92	100			MG/
		AT	7/14/93	94		D	MG
		AT	7/17/92	84		D	MG/L
		AT	7/17/92	85		D	MG/L
		AA	1/7/93	113			MG/L
		AA	10/16/92	105	J		MG/L
		AA	1/17/92	91.7			MG/L
		AT	1/17/94	95			MG/L
	SULFIDE	AA	1/7/93	1	U		MG/L
		AT	1/7/93	1	U		MG/L
		AT	4/27/92	1	U		MG/L
		AT	4/14/93	1	U		MG/L
		AT	7/17/92	1	U	D	MG/L
		AT	1/17/92	1	U		MG/L
		AT	10/16/92	1	U		MG/L
		AA	1/17/92	1.1			MG/L
		AT	7/17/92	1	U	D	MG/L
		AA	2/9/94	1	U		MG/L
		AT	1/17/94	1	U		MG/L
		AT	10/11/93	1	U		MG/L
		AT	7/14/93	1	U	D	MG/L
		AT	7/14/93	1	U	D	MG/L
		AA	10/16/92	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AT	4/14/93	670			MG/L
		AT	7/17/92	650		D	MG/L
		AT	10/16/92	700			MG/L
		AT	10/11/93	660			MG
		AT	7/14/93	650		D	MG/
		AT	1/17/94	640			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-19U	TOTAL DISSOLVED SOLIDS	AT	7/14/93	630		D	MG/L
		AT	4/27/92	640			MG/L
		AA	1/17/92	686			MG/L
		AT	1/7/93	710			MG/L
		AT	1/17/92	690			MG/L
		AT	7/17/92	670		D	MG/L
		AA	2/9/94	667			MG/L
		AA	1/7/93	722			MG/L
		AA	10/16/92	757			MG/L
	TOTAL OR MP ALKALINITY	AT	7/14/93	223		D	MG/L
		AT	10/11/93	230			MG/L
		AT	4/27/92	255			MG/L
		AT	1/17/94	246	U		MG/L
		AT	4/14/93	235			MG/L
		AT	7/14/93	227		D	MG/L
		AT	1/17/92	273			MG/L
		AT	10/16/92	266			MG/L
		AA	10/16/92	251	J		MG/L
		AT	7/17/92	262		D	MG/L
		AT	7/17/92	256		D	MG/L
		AA	1/7/93	261			MG/L
		AT	1/7/93	257			MG/L
		AA	2/9/94	267			MG/L
		AA	1/17/92	281			MG/L
	TOTAL ORGANIC CARBON	AM	1/7/93	2	U		MG/L
		EA	2/9/94	2.14	J		MG/L
		AT	1/7/93	2.6			MG/L
		ES	10/16/92	1.2	J		MG/L
		PB	1/17/92	2	U		MG/L
		AT	1/17/94	2.5			MG/L
		AT	1/17/92	0.6			MG/L
	TOTAL PHOSPHATE	AT	7/17/92	0.05	U	D	MG/L
		AT	7/17/92	0.05	U	D	MG/L
		AT	1/7/93	0.0005	U		MG/L
		AT	4/27/92	0.05	U		MG/L
		AT	1/17/92	0.05	U		MG/L
		AT	10/16/92	0.0005	U		MG/L
		AT	4/14/93	0.05	U		MG/L
SIBW-1U	BICARBONATE ALKALINITY	AA	1/5/93	289			MG/L
		AA	2/10/94	282			MG/L
	CHEMICAL OXYGEN DEMAND	ES	10/7/92	5	U		MG/L
		MA	10/15/91	10.1			MG/L
		EA	7/23/91	10	U		MG/L
		PB	1/16/92	5	U		MG/L
		ES	7/21/92	5	U		MG/L
		EA	2/10/94	46.8	J		MG/L
		II	4/16/91	5.6			MG/L
		AM	1/5/93	7.4	J		MG/L
	CHLORIDE	AA	10/7/92	170			MG/L
		AA	4/16/91	135			MG/L
		AA	1/5/93	168			MG/L
		AA	7/21/92	175			MG/L
		AA	10/15/91	139			MG/L
		EA	7/23/91	149	J		MG/L
		U	1/16/92	148			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-1U	CHLORIDE	AA	2/10/94	159			MG
	CO3 OR P ALKALINITY	AA	1/5/93	20	U		M
		AA	2/10/94	20	U		MG/L
	HARDNESS	AA	2/10/94	318			MG/L
		EA	7/23/91	244			MG/L
		MA	10/15/91	252			MG/L
		PB	1/16/92	280			MG/L
		II	4/16/91	232			MG/L
		AA	10/7/92	342			MG/L
		AA	7/21/92	332			MG/L
		AA	1/5/93	340			MG/L
	NITRATE AS NITROGEN	ES	10/7/92	4.6	J		MG/L
		PB	1/16/92	5.24			MG/L
		II	4/16/91	4			MG/L
		ES	7/21/92	4.3			MG/L
		AM	1/5/93	3.3			MG/L
		EA	2/10/94	2.29			MG/L
	SULFATE	AA	10/15/91	76.8			MG/L
		U	1/16/92	83.7			MG/L
		AA	7/21/92	106	J		MG/L
		AA	10/7/92	116			MG/L
		AA	1/5/93	114			MG/L
		AA	2/10/94	97.9			MG/L
		AA	4/16/91	67.2			MG/L
		EA	7/23/91	58.5	J		MG/L
	SULFIDE	AA	1/16/91	1.3			MG/L
		AA	10/15/91	1	U		MG
		II	4/16/91	1	U		MG
		EA	7/23/91	0.5	U		MG/L
		AA	2/10/94	1	U		MG/L
		AA	1/5/93	1	U		MG/L
		AA	10/7/92	1	U		MG/L
		AA	7/21/92	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	EA	7/23/91	615			MG/L
		AA	1/5/93	747			MG/L
		U	1/16/92	689			MG/L
		AA	2/10/94	748			MG/L
		AA	7/21/92	775			MG/L
		AA	10/15/91	593			MG/L
		AA	10/7/92	806			MG/L
		AA	4/16/91	646			MG/L
	TOTAL OR MP ALKALINITY	AA	10/7/92	305			MG/L
		AA	2/10/94	282			MG/L
		AA	4/16/91	257			MG/L
		EA	7/23/91	250	J		MG/L
		U	1/16/92	266			MG/L
		AA	10/15/91	253			MG/L
		AA	7/21/92	308			MG/L
		AA	1/5/93	289			MG/L
	TOTAL ORGANIC CARBON	PB	1/16/92	2	U		MG/L
		EA	7/23/91	2	U		MG/L
		MA	10/15/91	20			MG/L
		ES	7/21/92	2			MG
		ES	10/7/92	1.3	J		MG/L
		AM	1/5/93	2	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-1U	TOTAL ORGANIC CARBON	EA	2/10/94	5.14	J		MG/L
		II	4/16/91	2	U		MG/L
SIBW-20U	AMMONIA AS NITROGEN	AT	10/11/93	0.03	U	D	MG/L
		AT	10/11/93	0.03		D	MG/L
		AT	7/14/93	0.03	U		MG/L
		AT	1/17/94	0.03	U		MG/L
	BICARBONATE ALKALINITY	AT	4/14/93	277			MG/L
		AT	1/17/92	252			MG/L
		AT	4/27/92	279		D	MG/L
		AT	4/27/92	279		D	MG/L
		AA	1/7/93	299			MG/L
		AT	7/17/92	285			MG/L
		AT	10/16/92	288		D	MG/L
		AT	10/16/92	286		D	MG/L
		AT	1/7/93	287			MG/L
		AA	2/9/94	292			MG/L
		AT	10/11/93	266		D	MG/L
		AT	10/11/93	268		D	MG/L
		AT	7/14/93	266			MG/L
		AT	1/17/94	277			MG/L
	CHEMICAL OXYGEN DEMAND	AT	4/27/92	5	U	D	MG/L
		AT	10/11/93	9		D	MG/L
		EA	2/9/94	5.54	J		MG/L
		AT	10/16/92	6		D	MG/L
		AT	1/7/93	7			MG/L
		AT	7/17/92	5	U		MG/L
		AT	1/17/94	10			MG/L
		AT	4/27/92	5	U	D	MG/L
		AT	4/14/93	7			MG/L
		AM	1/7/93	5	U		MG/L
		AT	1/17/92	7			MG/L
		PB	1/17/92	5	U	D	MG/L
		PB	1/17/92	5	U	D	MG/L
		ES	10/16/92	7.5	J		MG/L
		AT	7/14/93	5	U		MG/L
		AT	10/16/92	7		D	MG/L
		AT	10/11/93	11		D	MG/L
	CHLORIDE	AT	4/27/92	170		D	MG/L
		AT	10/16/92	160		D	MG/L
		AT	7/14/93	170			MG/L
		AA	1/17/92	136		D	MG/L
		AT	4/27/92	160		D	MG/L
		AA	10/16/92	171			MG/L
		AA	1/7/93	172			MG/L
		AT	10/11/93	190		D	MG/L
		AT	1/7/93	170			MG/L
		AT	10/16/92	160		D	MG/L
		AA	2/9/94	166			MG/L
		AA	1/17/92	134		D	MG/L
		AT	4/14/93	170			MG/L
		AT	10/11/93	190		D	MG/L
		AT	7/17/92	150	U		MG/L
		AT	1/17/94	180			MG/L
		AT	1/17/92	150			MG/L
	CO3 OR P ALKALINITY	AT	4/27/92	1	U	D	MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-20U	CO3 OR P ALKALINITY	AT	4/27/92	1	U	D	MG/L
		AA	1/7/93	20	U		MG/L
		AT	10/16/92	1	U	D	MG/L
		AT	4/14/93	1	U		MG/L
		AT	1/17/92	1	U		MG/L
		AT	7/17/92	1	U		MG/L
		AA	2/9/94	20	U		MG/L
		AT	10/16/92	1	U	D	MG/L
		AT	1/7/93	1	U		MG/L
		AT	1/17/94	1	U		MG/L
		AT	10/11/93	1	U	D	MG/L
		AT	10/11/93	1	U	D	MG/L
		AT	7/14/93	1	U		MG/L
	HARDNESS	AT	4/27/92	267		D	MG/L
		AA	2/9/94	330			MG/L
		AT	10/11/93	315		D	MG/L
		AT	7/14/93	288			MG/L
		AT	4/14/93	299			MG/L
		AT	1/7/93	300			MG/L
		AT	10/16/92	285		D	MG/L
		AA	1/7/93	321			MG/L
		AT	7/17/92	269			MG/L
		PB	1/17/92	256		D	MG/L
		AT	10/16/92	280		D	MG/L
		AT	10/11/93	311		D	MG/L
		AT	1/17/94	285			MG/L
		AA	10/16/92	306			MG/L
		AT	4/27/92	262		D	MG/L
		AT	1/17/92	254			MG/L
		PB	1/17/92	252		D	MG/L
	LABORATORY PH	AT	4/27/92	7.7		D	UNITS
		AT	4/27/92	7.8		D	UNITS
		AT	1/17/92	7.5			UNITS
		AT	1/17/94	7.4			UNITS
		AT	7/17/92	7.6			UNITS
		AT	10/16/92	7.7		D	UNITS
		AT	10/16/92	7.4		D	UNITS
		AT	4/14/93	7.7			UNITS
		AT	7/14/93	7.5			UNITS
		AT	10/11/93	7.4		D	UNITS
		AT	10/11/93	7.6		D	UNITS
		AT	1/7/93	7.6			UNITS
	NITRATE AS NITROGEN	AM	1/7/93	3.6			MG/L
		AT	7/14/93	2.77			MG/L
		AT	4/27/92	4.7		D	MG/L
		PB	1/17/92	5.32		D	MG/L
		AT	4/27/92	4.5		D	MG/L
		AT	10/11/93	3.7		D	MG/L
		AT	1/17/92	5.4	•		MG/L
		AT	1/17/94	4			MG/L
		ES	10/16/92	4.8	J		MG/L
		AT	10/11/93	3.7		D	MG/L
		PB	1/17/92	5.16		D	MG/L
		AT	7/17/92	3.5			MG/L
		AT	4/14/93	2.6			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-20U	NITRATE AS NITROGEN	AT	10/16/92	4.2		D	MG/L
		AT	10/16/92	4.1		D	MG/L
		EA	2/9/94	3.91			MG/L
		AT	1/7/93	3.7			MG/L
	NO2/NO3-N, TOTAL	AT	10/16/92	4.1		D	MG/L
		AT	1/7/93	3.7			MG/L
		AT	1/17/94	4			MG/L
		AT	10/11/93	3.7		D	MG/L
		AT	7/14/93	2.77			MG/L
		AT	10/11/93	3.7		D	MG/L
		AT	4/14/93	2.6			MG/L
		AT	10/16/92	4.2		D	MG/L
		AT	7/17/92	3.5			MG/L
	PHOSPHOROUS, TOTAL	AT	7/14/93	0.05	U		MG/L
		AT	1/17/94	0.05	U		MG/L
		AT	10/11/93	0.05	U	D	MG/L
		AT	10/11/93	0.05	U	D	MG/L
	SULFATE	AT	1/17/94	100			MG/L
		AT	10/11/93	110		D	MG/L
		AT	10/11/93	100		D	MG/L
		AT	7/14/93	100			MG/L
		AT	4/14/93	100			MG/L
		AT	1/7/93	110			MG/L
		AT	10/16/92	99		D	MG/L
		AT	4/27/92	91		D	MG/L
		AT	10/16/92	99		D	MG/L
		AA	10/16/92	104	J		MG/L
		AA	1/7/93	114			MG/L
		AT	4/27/92	90		D	MG/L
		AT	1/17/92	79			MG/L
		AA	1/17/92	76.2		D	MG/L
		AA	1/17/92	76		D	MG/L
		AA	2/9/94	103			MG/L
		AT	7/17/92	80			MG/L
	SULFIDE	AA	1/7/93	1	U		MG/L
		AT	4/27/92	1	U	D	MG/L
		AT	7/17/92	1	U		MG/L
		AA	2/9/94	1	U		MG/L
		AA	10/16/92	1	U		MG/L
		AT	4/27/92	1	U	D	MG/L
		AT	1/17/92	1	U		MG/L
		AA	1/17/92	11			MG/L
		AT	10/16/92	1	U	D	MG/L
		AT	1/7/93	1	U		MG/L
		AT	10/16/92	1	U	D	MG/L
		AT	4/14/93	1	U		MG/L
		AT	7/14/93	1	U		MG/L
		AT	10/11/93	1	U	D	MG/L
		AT	10/11/93	1	U	D	MG/L
		AT	1/17/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AT	7/14/93	710			MG/L
		AT	10/11/93	750		D	MG/L
		AT	10/11/93	750		D	MG/L
		AT	1/17/94	740			MG/L
		AT	10/16/92	750		D	MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-20U	TOTAL DISSOLVED SOLIDS	AT	7/17/92	680			MG/
		AA	1/17/92	645		D	M
		AA	2/9/94	775			MG/L
		AA	1/17/92	651		D	MG/L
		AT	1/17/92	650			MG/L
		AT	4/27/92	700		D	MG/L
		AT	4/27/92	700		D	MG/L
		AA	10/16/92	797			MG/L
		AA	1/7/93	755			MG/L
		AT	10/16/92	750		D	MG/L
		AT	4/14/93	740			MG/L
		AT	1/7/93	750			MG/L
	TOTAL OR MP ALKALINITY	AT	10/11/93	266		D	MG/L
		AA	1/7/93	299			MG/L
		AA	10/16/92	282	J		MG/L
		AT	4/27/92	279		D	MG/L
		AT	7/14/93	266			MG/L
		AA	1/17/92	255		D	MG/L
		AT	10/16/92	286		D	MG/L
		AT	10/11/93	268		D	MG/L
		AT	7/17/92	285			MG/L
		AT	1/17/94	277			MG/L
		AA	1/17/92	259		D	MG/L
		AA	2/9/94	292			MG/L
		AT	1/7/93	287			MG/L
		AT	4/14/93	277			MG/L
		AT	1/17/92	252			MG
		AT	4/27/92	279		D	MG
		AT	10/16/92	288		D	MG/L
	TOTAL ORGANIC CARBON	AT	1/17/94	5.1			MG/L
		AT	1/17/92	0.5	U		MG/L
		AM	1/7/93	2	U		MG/L
		EA	2/9/94	1.84	J		MG/L
		PB	1/17/92	2	U	D	MG/L
		PB	1/17/92	2	U	D	MG/L
		ES	10/16/92	1.1	J		MG/L
		AT	1/7/93	2	U		MG/L
	TOTAL PHOSPHATE	AT	4/27/92	0.05	U	D	MG/L
		AT	7/17/92	0.05	U		MG/L
		AT	4/14/93	0.05	U		MG/L
		AT	10/16/92	0.0005	U	D	MG/L
		AT	4/27/92	0.05	U	D	MG/L
		AT	1/17/92	0.05	U		MG/L
		AT	10/16/92	0.0005	U	D	MG/L
		AT	1/7/93	0.0005	U		MG/L
SIBW-21U	AMMONIA AS NITROGEN	AT	7/14/93	0.03	U		MG/L
		AT	10/11/93	0.03	U		MG/L
		AT	1/17/94	0.03	U		MG/L
	BICARBONATE ALKALINITY	AT	1/7/93	296			MG/L
		AT	10/16/92	291			MG/L
		AA	1/7/93	301			MG/L
		AT	1/7/93	298		D	MG/L
		AA	2/9/94	292			MG
		AT	8/7/92	295			MG/
		AT	4/14/93	290			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-21U	BICARBONATE ALKALINITY	AT	7/14/93	277			MG/L
		AT	10/11/93	274			MG/L
		AT	1/17/94	285			MG/L
	CHEMICAL OXYGEN DEMAND	AM	1/7/93	5	U		MG/L
		AT	1/7/93	5	U	D	MG/L
		AT	10/16/92	5			MG/L
		AT	4/14/93	9			MG/L
		EA	2/9/94	4.14	U		MG/L
		AT	7/14/93	5	U		MG/L
		AT	10/11/93	13			MG/L
		AT	1/17/94	5	U		MG/L
		AT	8/7/92	5	U		MG/L
		AT	1/7/93	5	U	D	MG/L
		ES	10/16/92	7.5	J		MG/L
	CHLORIDE	AT	7/14/93	170			MG/L
		AA	10/16/92	169			MG/L
		AA	1/7/93	168			MG/L
		AT	1/7/93	170		D	MG/L
		AT	1/7/93	170		D	MG/L
		AT	10/16/92	150			MG/L
		AT	1/17/94	180			MG/L
		AT	10/11/93	180			MG/L
		AA	2/9/94	166			MG/L
		AT	8/7/92	180			MG/L
		AT	4/14/93	170			MG/L
	CO3 OR P ALKALINITY	AT	1/7/93	1	U	D	MG/L
		AT	8/7/92	1	U		MG/L
		AT	1/7/93	1	U	D	MG/L
		AT	10/16/92	1	U		MG/L
		AT	4/14/93	1	U		MG/L
		AT	10/11/93	1	U		MG/L
		AT	1/17/94	1	U		MG/L
		AA	2/9/94	20	U		MG/L
		AA	1/7/93	20	U		MG/L
		AT	7/14/93	1	U		MG/L
	HARDNESS	AT	1/7/93	299		D	MG/L
		AT	10/16/92	277			MG/L
		AT	10/11/93	300			MG/L
		AA	1/7/93	318			MG/L
		AA	10/16/92	303			MG/L
		AT	4/14/93	308			MG/L
		AT	8/7/92	260			MG/L
		AT	7/14/93	282			MG/L
		AT	1/17/94	284			MG/L
		AA	2/9/94	310			MG/L
		AT	1/7/93	297		D	MG/L
	LABORATORY PH	AT	7/14/93	7.4			UNITS
		AT	10/11/93	7.4			UNITS
		AT	1/17/94	7.4			UNITS
		AT	4/14/93	7.8			UNITS
		AT	8/7/92	7.5			UNITS
		AT	1/7/93	7.5		D	UNITS
		AT	10/16/92	7.4			UNITS
		AT	1/7/93	7.6		D	UNITS
	NITRATE AS NITROGEN	ES	10/16/92	3.3	J		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-21U	NITRATE AS NITROGEN	AT	1/7/93	3.3		D	MG
		AT	10/16/92	5.6			M
		AT	4/14/93	2.6			MG/L
		AT	1/7/93	3.1		D	MG/L
		AM	1/7/93	3.2			MG/L
		AT	1/17/94	2.8			MG/L
		AT	7/14/93	2.67			MG/L
		AT	10/11/93	2.9			MG/L
		AT	8/7/92	4.1			MG/L
		EA	2/9/94	2.81			MG/L
	NO2/NO3-N, TOTAL	AT	10/11/93	2.9			MG/L
		AT	1/7/93	3.1			MG/L
		AT	1/17/94	2.8			MG/L
		AT	7/14/93	2.67			MG/L
		AT	4/14/93	2.6			MG/L
		AT	1/7/93	3.3		D	MG/L
		AT	10/16/92	5.6			MG/L
		AT	8/7/92	4.1			MG/L
	PHOSPHOROUS, TOTAL	AT	7/14/93	0.05	U		MG/L
		AT	1/17/94	0.05	U		MG/L
		AT	10/11/93	0.05	U		MG/L
	SULFATE	AT	10/11/93	100			MG/L
		AT	10/16/92	92			MG/L
		AA	10/16/92	99.1	J		MG/L
		AT	1/7/93	110		D	MG/L
		AT	8/7/92	90			MG/L
		AA	1/7/93	107			MG
		AA	2/9/94	99.4			MG
		AT	4/14/93	100			MG/L
		AT	1/17/94	100			MG/L
		AT	1/7/93	100		D	MG/L
		AT	7/14/93	98			MG/L
	SULFIDE	AT	4/14/93	1	U		MG/L
		AT	8/7/92	1	U		MG/L
		AT	1/7/93	1	U	D	MG/L
		AT	1/7/93	1	U	D	MG/L
		AT	10/16/92	1	U		MG/L
		AT	7/14/93	1	U		MG/L
		AA	10/16/92	1	U		MG/L
		AA	2/9/94	1	U		MG/L
		AT	1/17/94	1	U		MG/L
		AA	1/7/93	1	U		MG/L
		AT	10/11/93	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AT	8/7/92	730			MG/L
		AA	10/16/92	786			MG/L
		AT	7/14/93	730			MG/L
		AA	1/7/93	753			MG/L
		AT	4/14/93	750			MG/L
		AT	1/7/93	750		D	MG/L
		AT	1/7/93	740		D	MG/L
		AT	10/16/92	740			MG/L
		AA	2/9/94	753			MG/L
		AT	10/11/93	750			MG
		AT	1/17/94	730			MG/L
	TOTAL OR MP ALKALINITY	AT	4/14/93	290			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-21U	TOTAL OR MP ALKALINITY	AA	10/16/92	299	J		MG/L
		AT	8/7/92	295			MG/L
		AT	10/16/92	291			MG/L
		AT	1/7/93	296		D	MG/L
		AT	7/14/93	277			MG/L
		AT	10/11/93	274			MG/L
		AT	1/17/94	285			MG/L
		AA	2/9/94	292			MG/L
		AA	1/7/93	301			MG/L
		AT	1/7/93	298		D	MG/L
	TOTAL ORGANIC CARBON	AM	1/7/93	2	U		MG/L
		EA	2/9/94	1.64			MG/L
		AT	1/7/93	3.1		D	MG/L
		ES	10/16/92	1	U		MG/L
		AT	1/17/94	1.9			MG/L
		AT	1/7/93	4.5		D	MG/L
	TOTAL PHOSPHATE	AT	4/14/93	0.05	U		MG/L
		AT	8/7/92	0.05	U		MG/L
		AT	1/7/93	0.0005	U	D	MG/L
		AT	10/16/92	0.0005	U		MG/L
		AT	1/7/93	0.0005	U	D	MG/L
SIBW-22U	AMMONIA AS NITROGEN	AT	10/11/93	0.03	U		MG/L
		AT	1/17/94	0.03	U	D	MG/L
		AT	1/17/94	0.03	U	D	MG/L
		AT	7/14/93	0.03	U		MG/L
	BICARBONATE ALKALINITY	AT	4/27/92	275			MG/L
		AA	1/7/93	289			MG/L
		AT	4/14/93	271		D	MG/L
		AT	10/16/92	280			MG/L
		AT	1/17/94	272		D	MG/L
		AT	1/7/93	286			MG/L
		AT	7/17/92	277			MG/L
		AT	7/14/93	256			MG/L
		AA	2/9/94	269			MG/L
		AT	1/17/92	267		D	MG/L
		AT	10/11/93	260			MG/L
		AT	1/17/92	274		D	MG/L
		AT	4/14/93	271		D	MG/L
		AT	1/17/94	275		D	MG/L
	CHEMICAL OXYGEN DEMAND	PB	1/17/92	5	U		MG/L
		AT	1/17/92	5	U	D	MG/L
		EA	2/9/94	48.7	J		MG/L
		AT	4/14/93	7		D	MG/L
		AT	10/16/92	5	U		MG/L
		AT	1/7/93	5	U		MG/L
		AT	7/17/92	5	U		MG/L
		AM	1/7/93	5	U		MG/L
		AT	4/27/92	5	U		MG/L
		AT	1/17/92	5	U	D	MG/L
		ES	10/16/92	7.5	J		MG/L
		AT	4/14/93	6		D	MG/L
		AT	10/11/93	8			MG/L
		AT	1/17/94	5		D	MG/L
		AT	1/17/94	7		D	MG/L
		AT	7/14/93	5	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-22U	CHLORIDE	AA	2/9/94	159			M
		AT	10/11/93	180			M
		AT	1/17/94	180		D	MG/L
		AT	7/14/93	170			MG/L
		AT	10/16/92	160			MG/L
		AT	1/17/92	150		D	MG/L
		AT	4/14/93	170		D	MG/L
		AT	1/17/92	160		D	MG/L
		AT	4/27/92	150			MG/L
		AA	10/16/92	168			MG/L
		AA	1/7/93	165			MG/L
		AT	7/17/92	150			MG/L
		AT	4/14/93	170		D	MG/L
		AA	1/17/92	137			MG/L
		AT	1/17/94	170		D	MG/L
		AT	1/7/93	170			MG/L
	CO3 OR P ALKALINITY	AT	7/14/93	1	U		MG/L
		AT	1/17/92	1	U	D	MG/L
		AT	7/17/92	1	U		MG/L
		AT	1/7/93	1	U		MG/L
		AT	10/16/92	1	U		MG/L
		AT	4/14/93	1	U	D	MG/L
		AA	1/7/93	20	U		MG/L
		AT	1/17/92	1	U	D	MG/L
		AT	4/27/92	1	U		MG/L
		AT	10/11/93	1	U		MG/L
		AT	4/14/93	1	U	D	MG/L
		AA	2/9/94	20	U		MG/L
		AT	1/17/94	1	U	D	MG/L
		AT	1/17/94	1	U	D	MG/L
	HARDNESS	AT	1/17/92	270		D	MG/L
		AT	4/14/93	283		D	MG/L
		AT	7/14/93	272			MG/L
		AT	1/7/93	287			MG/L
		AT	7/17/92	252			MG/L
		AT	1/17/94	266		D	MG/L
		AT	1/17/94	269		D	MG/L
		AT	1/17/92	280		D	MG/L
		PB	1/17/92	268			MG/L
		AA	2/9/94	285			MG/L
		AT	4/27/92	242			MG/L
		AT	10/11/93	282			MG/L
		AT	4/14/93	277		D	MG/L
		AA	1/7/93	306			MG/L
		AA	10/16/92	289	J		MG/L
		AT	10/16/92	260			MG/L
	LABORATORY PH	AT	7/14/93	7.4			UNITS
		AT	4/27/92	7.5			UNITS
		AT	1/17/92	7.6		D	UNITS
		AT	1/17/94	7.5		D	UNITS
		AT	1/17/92	7.5		D	UNITS
		AT	1/7/93	7.5			UNITS
		AT	10/11/93	7.3			UN
		AT	10/16/92	7.2			UNITS
		AT	4/14/93	7.6			UNITS

Appendix O
Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-22U	LABORATORY PH	AT	7/17/92	7.6			UNITS
		AT	4/14/93	7.9		D	UNITS
		AT	1/17/94	7.8		D	UNITS
	NITRATE AS NITROGEN	AT	1/17/94	2.6		D	MG/L
		AT	4/14/93	2.5		D	MG/L
		AT	10/16/92	3.2			MG/L
		AT	1/7/93	2.9			MG/L
		EA	2/9/94	2.57			MG/L
		AM	1/7/93	2.8			MG/L
		AT	4/14/93	2.5		D	MG/L
		ES	10/16/92	0.1	J		MG/L
		AT	1/17/94	2.7		D	MG/L
		AT	4/27/92	3.2			MG/L
		AT	1/17/92	5.1		D	MG/L
		AT	1/17/92	4.3		D	MG/L
		PB	1/17/92	4.31			MG/L
		AT	7/17/92	3.5			MG/L
		AT	7/14/93	2.49			MG/L
		AT	10/11/93	2.7			MG/L
	NO2/NO3-N, TOTAL	AT	7/14/93	2.49			MG/L
		AT	1/17/94	2.6		D	MG/L
		AT	1/17/94	2.7		D	MG/L
		AT	4/14/93	2.5		D	MG/L
		AT	4/14/93	2.5		D	MG/L
		AT	10/16/92	3.2			MG/L
		AT	7/17/92	3.5			MG/L
		AT	10/11/93	2.7			MG/L
		AT	1/7/93	2.9			MG/L
	PHOSPHOROUS, TOTAL	AT	10/11/93	0.05	U		MG/L
		AT	1/17/94	0.05	U	D	MG/L
		AT	7/14/93	0.05	U		MG/L
		AT	1/17/94	0.05	U	D	MG/L
	SULFATE	AT	7/14/93	92			MG/L
		AT	1/17/94	98		D	MG/L
		AA	2/9/94	98.2			MG/L
		AT	10/16/92	87			MG/L
		AT	4/14/93	92		D	MG/L
		AT	1/17/94	98		D	MG/L
		AT	4/14/93	92		D	MG/L
		AA	1/17/92	82.3			MG/L
		AT	7/17/92	80			MG/L
		AA	1/7/93	101			MG/L
		AA	10/16/92	93.1	J		MG/L
		AT	4/27/92	85			MG/L
		AT	1/17/92	81		D	MG/L
		AT	1/17/92	82		D	MG/L
		AT	1/7/93	93			MG/L
		AT	10/11/93	99			MG/L
	SULFIDE	AT	7/14/93	1	U		MG/L
		AA	10/16/92	1	U		MG/L
		AT	4/27/92	1	U		MG/L
		AT	1/7/93	1	U		MG/L
		AT	7/17/92	1	U		MG/L
		AT	1/17/92	1	U	D	MG/L
		AT	10/16/92	1	U		MG/L

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Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-22U	SULFIDE	AT	4/14/93	1	U	D	MG
		AT	1/17/92	1	U	D	M
		AT	4/14/93	1	U	D	MG/L
		AT	1/17/94	1	U	D	MG/L
		AA	1/17/92	18			MG/L
		AT	1/17/94	1	U	D	MG/L
		AT	10/11/93	1	U		MG/L
		AA	2/9/94	1	U		MG/L
		AA	1/7/93	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	10/16/92	770			MG/L
		AT	1/17/94	710		D	MG/L
		AT	4/14/93	710			MG/L
		AA	1/17/92	656			MG/L
		AT	1/17/92	670		D	MG/L
		AT	4/27/92	670			MG/L
		AA	2/9/94	734			MG/L
		AA	1/7/93	722			MG/L
		AT	7/17/92	680			MG/L
		AT	1/7/93	720			MG/L
		AT	4/14/93	710		D	MG/L
		AT	7/14/93	690			MG/L
		AT	10/11/93	720			MG/L
		AT	10/16/92	710			MG/L
		AT	1/17/92	660		D	MG/L
		AT	1/17/94	710		D	MG/L
	TOTAL OR MP ALKALINITY	AT	10/11/93	260			MG/L
		AA	1/7/93	289			MG
		AT	4/14/93	271			MG
		AT	4/27/92	275			MG/L
		AT	7/17/92	277			MG/L
		AA	2/9/94	269			MG/L
		AT	1/17/94	275		D	MG/L
		AT	1/17/94	272		D	MG/L
		AT	7/14/93	256			MG/L
		AT	4/14/93	271			MG/L
		AT	1/7/93	286			MG/L
		AT	10/16/92	280			MG/L
		AA	1/17/92	290			MG/L
		AT	1/17/92	267		D	MG/L
		AA	10/16/92	289	J		MG/L
		AT	1/17/92	274		D	MG/L
	TOTAL ORGANIC CARBON	ES	10/16/92	1	U		MG/L
		AT	1/7/93	1.4			MG/L
		AT	1/17/94	4.7		D	MG/L
		AM	1/7/93	22.8			MG/L
		EA	2/9/94	1.43	J		MG/L
		AT	1/17/94	3.9		D	MG/L
		PB	1/17/92	2	U		MG/L
		AT	1/17/92	0.5	U	D	MG/L
		AT	1/17/92	0.7		D	MG/L
	TOTAL PHOSPHATE	AT	7/17/92	0.05	U		MG/L
		AT	10/16/92	0.0005	U		MG/
		AT	4/27/92	0.05	U		MG
		AT	1/7/93	0.0005	U		MG/L
		AT	1/17/92	0.05	U	D	MG/L

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Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-22U	TOTAL PHOSPHATE	AT	1/17/92	0.05	U	D	MG/L
		AT	4/14/93	0.05	U	D	MG/L
		AT	4/14/93	0.05	U	D	MG/L
SIBW-23U	BICARBONATE ALKALINITY	AA	1/31/94	201			MG/L
	CHEMICAL OXYGEN DEMAND	EA	1/31/94	4.14	U		MG/L
	CHLORIDE	AA	1/31/94	223			MG/L
	CO3 OR P ALKALINITY	AA	1/31/94	20	U		MG/L
	HARDNESS	AA	1/31/94	277			MG/L
	NITRATE AS NITROGEN	EA	1/31/94	6.84			MG/L
	SULFATE	AA	1/31/94	146			MG/L
	SULFIDE	AA	1/31/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	1/31/94	842			MG/L
	TOTAL OR MP ALKALINITY	AA	1/31/94	201			MG/L
	TOTAL ORGANIC CARBON	EA	1/31/94	2.16			MG/L
SIBW-24U	BICARBONATE ALKALINITY	AA	1/31/94	211			MG/L
	CHEMICAL OXYGEN DEMAND	EA	1/31/94	4.14	U		MG/L
	CHLORIDE	AA	1/31/94	238			MG/L
	CO3 OR P ALKALINITY	AA	1/31/94	20	U		MG/L
	HARDNESS	AA	1/31/94	312			MG/L
	NITRATE AS NITROGEN	EA	1/31/94	7.04			MG/L
	SULFATE	AA	1/31/94	181			MG/L
	SULFIDE	AA	1/31/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	1/31/94	928			MG/L
	TOTAL OR MP ALKALINITY	AA	1/31/94	211			MG/L
	TOTAL ORGANIC CARBON	EA	1/31/94	2.33			MG/L
SIBW-25U	BICARBONATE ALKALINITY	AA	2/1/94	252		D	MG/L
		AA	2/1/94	247		D	MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/1/94	4.14	U	D	MG/L
		EA	2/1/94	4.84	J	D	MG/L
	CHLORIDE	AA	2/1/94	366		D	MG/L
		AA	2/1/94	359		D	MG/L
	CO3 OR P ALKALINITY	AA	2/1/94	20	U	D	MG/L
		AA	2/1/94	20	U	D	MG/L
	HARDNESS	AA	2/1/94	444		D	MG/L
		AA	2/1/94	446		D	MG/L
	NITRATE AS NITROGEN	EA	2/1/94	9.99		D	MG/L
		EA	2/1/94	8.25		D	MG/L
	SULFATE	AA	2/1/94	159		D	MG/L
		AA	2/1/94	157		D	MG/L
	SULFIDE	AA	2/1/94	1	U	D	MG/L
		AA	2/1/94	1	U	D	MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/1/94	1160		D	MG/L
		AA	2/1/94	1160		D	MG/L
	TOTAL OR MP ALKALINITY	AA	2/1/94	252		D	MG/L
		AA	2/1/94	247		D	MG/L
	TOTAL ORGANIC CARBON	EA	2/1/94	4.35		D	MG/L
		EA	2/1/94	3.64		D	MG/L
SIBW-26U	BICARBONATE ALKALINITY	AA	2/15/94	252			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/15/94	52.6	J		MG/L
	CHLORIDE	AA	2/15/94	247			MG/L
		AA	2/14/94	247			MG/L
	CO3 OR P ALKALINITY	AA	2/15/94	20	U		MG/L
	HARDNESS	AA	2/15/94	288			MG/L
		AA	2/14/94	288			MG/L
	NITRATE AS NITROGEN	EA	2/15/94	6.62			MG/L

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Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-26U	SULFATE	AA	2/14/94	96.2			MG
		AA	2/15/94	96.2			M
	SULFIDE	AA	2/14/94	1	U		MG/L
		AA	2/15/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/15/94	862			MG/L
	TOTAL OR MP ALKALINITY	AA	2/15/94	252			MG/L
	TOTAL ORGANIC CARBON	EA	2/15/94	6.09			MG/L
SIBW-27U	BICARBONATE ALKALINITY	AA	2/3/94	282			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/3/94	4.14	U		MG/L
	CHLORIDE	AA	2/3/94	180			MG/L
	CO3 OR P ALKALINITY	AA	2/3/94	20	U		MG/L
	HARDNESS	AA	2/3/94	252			MG/L
	NITRATE AS NITROGEN	EA	2/3/94	5.41			MG/L
	SULFATE	AA	2/3/94	94			MG/L
	SULFIDE	AA	2/3/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/3/94	770			MG/L
	TOTAL OR MP ALKALINITY	AA	2/3/94	282			MG/L
	TOTAL ORGANIC CARBON	EA	2/3/94	1.11			MG/L
SIBW-28U	BICARBONATE ALKALINITY	AA	2/14/94	264			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/14/94	23.2	J		MG/L
	CHLORIDE	AA	2/14/94	262			MG/L
	CO3 OR P ALKALINITY	AA	2/14/94	20	U		MG/L
	HARDNESS	AA	2/14/94	281			MG/L
	NITRATE AS NITROGEN	EA	2/14/94	6.39			MG/L
	SULFATE	AA	2/14/94	112			MG/L
	SULFIDE	AA	2/14/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/14/94	937			MG
	TOTAL OR MP ALKALINITY	AA	2/14/94	264			MG
	TOTAL ORGANIC CARBON	EA	2/14/94	5.01			MG/L
SIBW-29U	BICARBONATE ALKALINITY	AA	2/1/94	297			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/1/94	4.14	U		MG/L
	CHLORIDE	AA	2/1/94	303			MG/L
	CO3 OR P ALKALINITY	AA	2/1/94	20	U		MG/L
	HARDNESS	AA	2/1/94	332			MG/L
	NITRATE AS NITROGEN	EA	2/1/94	7.24			MG/L
	SULFATE	AA	2/1/94	104			MG/L
	SULFIDE	AA	2/1/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/1/94	989			MG/L
	TOTAL OR MP ALKALINITY	AA	2/1/94	297			MG/L
	TOTAL ORGANIC CARBON	EA	2/1/94	2.74			MG/L
SIBW-2U	BICARBONATE ALKALINITY	EC	4/15/92	180		D	MG/L
		EC	4/15/92	180		D	MG/L
		AA	2/4/94	199			MG/L
		AA	1/4/93	181			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/4/94	4.14	U		MG/L
		ES	7/23/92	5	U		MG/L
		MA	10/15/91	11			MG/L
		II	4/24/91	5	U		MG/L
		ES	10/7/92	5	U		MG/L
		EC	4/15/92	63		D	MG/L
		EC	4/15/92	20	U	D	MG/L
		EA	7/27/91	39.9			MG/L
		AM	1/4/93	7.4			MG
	CHLORIDE	AA	1/15/92	276			MG/L
		AA	10/15/91	222			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-2U	CHLORIDE	AA	7/23/92	278			MG/L
		AA	10/7/92	272			MG/L
		AA	2/4/94	245			MG/L
		EC	4/15/92	260		D	MG/L
		AA	4/24/91	115			MG/L
		EA	7/27/91	174	J		MG/L
		EC	4/15/92	260		D	MG/L
		AA	1/4/93	275			MG/L
	CO3 OR P ALKALINITY	AA	1/4/93	20	U		MG/L
		EC	4/15/92	20	U	D	MG/L
		AA	2/4/94	20	U		MG/L
		EC	4/15/92	20	U	D	MG/L
	HARDNESS	AA	10/7/92	290			MG/L
		II	4/24/91	142			MG/L
		AA	7/23/92	307			MG/L
		EC	4/15/92	300		D	MG/L
		EC	4/15/92	300		D	MG/L
		AA	2/4/94	265			MG/L
		EA	7/27/91	188			MG/L
		AA	1/4/93	294			MG/L
		MA	10/15/91	260			MG/L
	NITRATE AS NITROGEN	ES	7/23/92	4.7			MG/L
		ES	10/7/92	4	J		MG/L
		AM	1/4/93	3.5			MG/L
		II	4/24/91	2.2			MG/L
		EC	4/15/92	5		D	MG/L
		EA	2/4/94	0.829	J		MG/L
		EC	4/15/92	5		D	MG/L
	SULFATE	AA	7/23/92	95.7	J		MG/L
		EC	4/15/92	100		D	MG/L
		EC	4/15/92	95		D	MG/L
		AA	2/4/94	96.9			MG/L
		AA	10/7/92	92.3			MG/L
		AA	10/15/91	83.1			MG/L
		AA	1/15/92	98.4			MG/L
		EA	7/27/91	54.9	J		MG/L
		AA	1/4/93	93.6			MG/L
		AA	4/24/91	47.6			MG/L
	SULFIDE	AA	1/4/93	1	U		MG/L
		II	4/24/91	1	U		MG/L
		EC	4/15/92	1	U	D	MG/L
		AA	2/4/94	1	U		MG/L
		AA	10/7/92	1	U		MG/L
		AA	7/23/92	1	U		MG/L
		AA	10/15/91	1	U		MG/L
		AA	1/15/92	12	J		MG/L
		EA	7/27/91	0.5	U		MG/L
		EC	4/15/92	1	U	D	MG/L
	TOTAL DISSOLVED SOLIDS	AA	10/7/92	810			MG/L
		EC	4/15/92	860		D	MG/L
		AA	1/4/93	779			MG/L
		EA	7/27/91	643			MG/L
		EC	4/15/92	900		D	MG/L
		AA	7/23/92	811			MG/L
		AA	2/4/94	767			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-2U	TOTAL DISSOLVED SOLIDS	AA	1/15/92	797			M
		AA	4/24/91	506			M
		AA	10/15/91	789			MG/L
	TOTAL OR MP ALKALINITY	AA	7/23/92	191			MG/L
		AA	2/4/94	199			MG/L
		AA	1/4/93	181			MG/L
		AA	7/23/92	191			MG/L
		AA	10/15/91	189			MG/L
		AA	1/15/92	186			MG/L
		AA	4/24/91	181			MG/L
		EC	4/15/92	180		D	MG/L
		AA	10/7/92	181			MG/L
		EC	4/15/92	180		D	MG/L
		EA	7/27/91	218			MG/L
	TOTAL ORGANIC CARBON	EC	4/15/92	2	U	D	MG/L
		MA	10/15/91	15.1			MG/L
		EC	4/15/92	2	U	D	MG/L
		EA	2/4/94	1.61			MG/L
		EA	7/27/91	2.1			MG/L
		ES	7/23/92	1.8	J		MG/L
		ES	10/7/92	1	J		MG/L
		AM	1/4/93	2	U		MG/L
		II	4/24/91	2	U		MG/L
SIBW-30U	BICARBONATE ALKALINITY	AA	2/8/94	204			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/8/94	36.9	J		MG/L
	CHLORIDE	AA	2/8/94	210			MG/L
	CO3 OR P ALKALINITY	AA	2/8/94	20	U		M
	HARDNESS	AA	2/8/94	257			MG
	NITRATE AS NITROGEN	EA	2/8/94	3.82			MG/L
	SULFATE	AA	2/8/94	86.5			MG/L
	SULFIDE	AA	2/8/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/8/94	736			MG/L
	TOTAL OR MP ALKALINITY	AA	2/8/94	204			MG/L
	TOTAL ORGANIC CARBON	EA	2/8/94	1.55			MG/L
SIBW-31U	BICARBONATE ALKALINITY	AA	2/1/94	322			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/1/94	14.3			MG/L
	CHLORIDE	AA	2/1/94	200			MG/L
	CO3 OR P ALKALINITY	AA	2/1/94	20	U		MG/L
	HARDNESS	AA	2/1/94	332			MG/L
	NITRATE AS NITROGEN	EA	2/1/94	2.19			MG/L
	SULFATE	AA	2/1/94	104			MG/L
	SULFIDE	AA	2/1/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/1/94	822			MG/L
	TOTAL OR MP ALKALINITY	AA	2/1/94	322			MG/L
	TOTAL ORGANIC CARBON	EA	2/1/94	5.32			MG/L
SIBW-32U	BICARBONATE ALKALINITY	AA	2/1/94	206			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/1/94	4.84	J		MG/L
	CHLORIDE	AA	2/1/94	266			MG/L
	CO3 OR P ALKALINITY	AA	2/1/94	20	U		MG/L
	HARDNESS	AA	2/1/94	304			MG/L
	NITRATE AS NITROGEN	EA	2/1/94	5.78			MG/L
	SULFATE	AA	2/1/94	103			MG/L
	SULFIDE	AA	2/1/94	1	U		MG
	TOTAL DISSOLVED SOLIDS	AA	2/1/94	857			MG/L
	TOTAL OR MP ALKALINITY	AA	2/1/94	206			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-32U	TOTAL ORGANIC CARBON	EA	2/1/94	2.5			MG/L
SIBW-33U	BICARBONATE ALKALINITY	AA	2/2/94	227			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/2/94	4.14	U		MG/L
	CHLORIDE	AA	2/2/94	289			MG/L
	CO3 OR P ALKALINITY	AA	2/2/94	20	U		MG/L
	HARDNESS	AA	2/2/94	300			MG/L
	NITRATE AS NITROGEN	EA	2/2/94	8.03			MG/L
	SULFATE	AA	2/2/94	112			MG/L
	SULFIDE	AA	2/2/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/2/94	967			MG/L
	TOTAL OR MP ALKALINITY	AA	2/2/94	227			MG/L
	TOTAL ORGANIC CARBON	EA	2/2/94	2.73			MG/L
SIBW-36U	BICARBONATE ALKALINITY	AA	2/4/94	216		D	MG/L
		AA	2/4/94	218		D	MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/4/94	4.14	U	D	MG/L
		EA	2/4/94	8.62		D	MG/L
	CHLORIDE	AA	2/4/94	249		D	MG/L
		AA	2/4/94	257		D	MG/L
	CO3 OR P ALKALINITY	AA	2/4/94	20	U	D	MG/L
		AA	2/4/94	20	U	D	MG/L
	HARDNESS	AA	2/4/94	304		D	MG/L
		AA	2/4/94	314		D	MG/L
	NITRATE AS NITROGEN	EA	2/4/94	3.93		D	MG/L
		EA	2/4/94	4.19		D	MG/L
	SULFATE	AA	2/4/94	97.2		D	MG/L
		AA	2/4/94	100		D	MG/L
	SULFIDE	AA	2/4/94	1	U	D	MG/L
		AA	2/4/94	1	U	D	MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/4/94	835		D	MG/L
		AA	2/4/94	832		D	MG/L
	TOTAL OR MP ALKALINITY	AA	2/4/94	216		D	MG/L
		AA	2/4/94	218		D	MG/L
	TOTAL ORGANIC CARBON	EA	2/4/94	1.46		D	MG/L
		EA	2/4/94	1.43		D	MG/L
SIBW-37U	BICARBONATE ALKALINITY	AA	2/4/94	198			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/4/94	4.14	U		MG/L
	CHLORIDE	AA	2/4/94	261			MG/L
	CO3 OR P ALKALINITY	AA	2/4/94	20	U		MG/L
	HARDNESS	AA	2/4/94	289			MG/L
	NITRATE AS NITROGEN	EA	2/4/94	5.08			MG/L
	SULFATE	AA	2/4/94	114			MG/L
	SULFIDE	AA	2/4/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/4/94	854			MG/L
	TOTAL OR MP ALKALINITY	AA	2/4/94	198			MG/L
	TOTAL ORGANIC CARBON	EA	2/4/94	1.24			MG/L
SIBW-38U	BICARBONATE ALKALINITY	AA	2/15/94	388		D	MG/L
		AA	2/15/94	393		D	MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/15/94	31	J	D	MG/L
		EA	2/15/94	29.1		D	MG/L
	CHLORIDE	AA	2/15/94	326		D	MG/L
		AA	2/15/94	319		D	MG/L
	CO3 OR P ALKALINITY	AA	2/15/94	20	U	D	MG/L
		AA	2/15/94	2	U	D	MG/L
	HARDNESS	AA	2/15/94	440		D	MG/L
		AA	2/15/94	440		D	MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-38U	NITRATE AS NITROGEN	EA	2/15/94	8.21		D	MG/L
		EA	2/15/94	7.95		D	MG/L
	SULFATE	AA	2/15/94	106		D	MG/L
		AA	2/15/94	109		D	MG/L
	SULFIDE	AA	2/15/94	1	U	D	MG/L
		AA	2/15/94	1	U	D	MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/15/94	1180		D	MG/L
		AA	2/15/94	1180		D	MG/L
	TOTAL OR MP ALKALINITY	AA	2/15/94	393		D	MG/L
		AA	2/15/94	388		D	MG/L
	TOTAL ORGANIC CARBON	EA	2/15/94	4.86		D	MG/L
		EA	2/15/94	5.69		D	MG/L
SIBW-39U	BICARBONATE ALKALINITY	AA	2/3/94	332			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/3/94	4.14	U		MG/L
	CHLORIDE	AA	2/3/94	262			MG/L
	CO3 OR P ALKALINITY	AA	2/3/94	20			MG/L
	HARDNESS	AA	2/3/94	324			MG/L
	NITRATE AS NITROGEN	EA	2/3/94	7.44			MG/L
	SULFATE	AA	2/3/94	103			MG/L
	SULFIDE	AA	2/3/94	1			MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/3/94	996			MG/L
	TOTAL OR MP ALKALINITY	AA	2/3/94	332			MG/L
	TOTAL ORGANIC CARBON	EA	2/3/94	0.784	J		MG/L
SIBW-3U	BICARBONATE ALKALINITY	EC	4/24/92	320		D	MG/L
		AA	1/8/93	301			MG/L
		AA	2/11/94	302		D	MG/L
		AA	2/11/94	307		D	MG/L
		EC	4/24/92	320		D	MG/L
	CHEMICAL OXYGEN DEMAND	AM	1/8/93	56.3	J		MG/L
		EC	4/24/92	20	U	D	MG/L
		EC	4/24/92	20	U	D	MG/L
		PB	1/16/92	5	U		MG/L
		EA	2/11/94	27.1	J	D	MG/L
		ES	7/27/92	5	U		MG/L
		ES	10/5/92	5	U		MG/L
		MA	10/16/91	6.3		D	MG/L
		II	4/25/91	5	U		MG/L
		MA	10/16/91	6.6		D	MG/L
		EA	2/11/94	5.554		D	MG/L
		EA	7/26/91	17.4			MG/L
	CHLORIDE	AA	7/27/92	184			MG/L
		EC	4/24/92	170		D	MG/L
		AA	4/25/91	168			MG/L
		EA	7/26/91	232	J		MG/L
		AA	1/16/92	195			MG/L
		AA	10/16/91	211		D	MG/L
		AA	10/5/92	178			MG/L
		AA	1/8/93	162			MG/L
		AA	2/11/94	179		D	MG/L
		EC	4/24/92	150		D	MG/L
		AA	2/11/94	184		D	MG/L
		AA	10/16/91	202		D	MG/L
	CO3 OR P ALKALINITY	EC	4/24/92	2	U	D	MG/L
		AA	2/11/94	20	U	D	MG/L
		AA	2/11/94	20	U	D	MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-3U	CO3 OR P ALKALINITY	AA	1/8/93	20	U		MG/L
		EC	4/24/92	2	U	D	MG/L
	HARDNESS	AA	7/27/92	262			MG/L
		AA	10/5/92	250			MG/L
		AA	1/8/93	246			MG/L
		EC	4/24/92	280		D	MG/L
		AA	2/11/94	277		D	MG/L
		AA	2/11/94	281		D	MG/L
		PB	1/16/92	324			MG/L
		EA	7/26/91	264			MG/L
		II	4/25/91	276			MG/L
		MA	10/16/91	320		D	MG/L
		EC	4/24/92	280		D	MG/L
		MA	10/16/91	328		D	MG/L
	NITRATE AS NITROGEN	EA	2/11/94	4.03		D	MG/L
		ES	10/5/92	3.9	J		MG/L
		II	4/25/91	3.3			MG/L
		PB	1/16/92	4.48			MG/L
		ES	7/27/92	3.7			MG/L
		AM	1/8/93	4.1			MG/L
		EC	4/24/92	4		D	MG/L
		EC	4/24/92	4.1		D	MG/L
		EA	2/11/94	4.31		D	MG/L
	SULFATE	AA	10/5/92	89.8			MG/L
		AA	1/8/93	90.3			MG/L
		AA	4/25/91	97.1			MG/L
		EA	7/26/91	81.6	J		MG/L
		AA	1/16/92	89.7			MG/L
		AA	10/16/91	98.2		D	MG/L
		AA	2/11/94	94.5		D	MG/L
		AA	2/11/94	94.4		D	MG/L
		EC	4/24/92	91		D	MG/L
		EC	4/24/92	79		D	MG/L
		AA	7/27/92	89.4			MG/L
		AA	10/16/91	93.4		D	MG/L
	SULFIDE	AA	7/27/92	1	U		MG/L
		AA	2/11/94	1	U	D	MG/L
		EC	4/24/92	1	U	D	MG/L
		EC	4/24/92	1	U	D	MG/L
		II	4/25/91	1	U		MG/L
		EA	7/26/91	0.5	U		MG/L
		AA	1/16/92	1	U		MG/L
		AA	10/16/91	1	U	D	MG/L
		AA	10/5/92	1	U		MG/L
		AA	1/8/93	1	U		MG/L
		AA	2/11/94	1	U	D	MG/L
		AA	10/16/91	1	U	D	MG/L
	TOTAL DISSOLVED SOLIDS	AA	7/27/92	774			MG/L
		EC	4/24/92	820		D	MG/L
		AA	2/9/94	797			MG/L
		AA	2/11/94	815			MG/L
		AA	10/16/91	913		D	MG/L
		AA	10/5/92	744			MG/L
		AA	4/25/91	829			MG/L
		AA	1/8/93	743			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-3U	TOTAL DISSOLVED SOLIDS	AA	10/16/91	925		D	MG/L
		EC	4/24/92	820		D	MG/L
		AA	1/16/92	865			MG/L
		EA	7/26/91	907			MG/L
	TOTAL OR MP ALKALINITY	AA	2/11/94	302		D	MG/L
		EA	7/26/91	322			MG/L
		AA	10/5/92	301			MG/L
		AA	10/16/91	360		D	MG/L
		AA	10/16/91	354		D	MG/L
		AA	1/16/92	328			MG/L
		AA	4/25/91	349			MG/L
		AA	7/27/92	313			MG/L
		AA	2/11/94	307		D	MG/L
		EC	4/24/92	320		D	MG/L
		AA	1/8/93	301			MG/L
		AA	7/27/92	313			MG/L
		EC	4/24/92	320		D	MG/L
	TOTAL ORGANIC CARBON	AM	1/8/93	27.6	J		MG/L
		EA	2/11/94	1.02		D	MG/L
		EA	2/11/94	1.02		D	MG/L
		EC	4/24/92	2	U	D	MG/L
		ES	10/5/92	3.5			MG/L
		EC	4/24/92	2	U	D	MG/L
		ES	7/27/92	1	U		MG/L
		MA	10/16/91	25.8		D	MG/L
		MA	10/16/91	21.9		D	MG/L
		PB	1/16/92	2	U		MG/L
		II	4/25/91	2	U		MG/L
		EA	7/26/91	3			MG/L
SIBW-40U	BICARBONATE ALKALINITY	AA	2/14/94	211			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/14/94	19.3	J		MG/L
	CHLORIDE	AA	2/14/94	205			MG/L
	CO3 OR P ALKALINITY	AA	2/14/94	20	U		MG/L
	HARDNESS	AA	2/14/94	220			MG/L
	NITRATE AS NITROGEN	EA	2/14/94	4.18			MG/L
	SULFATE	AA	2/14/94	104			MG/L
	SULFIDE	AA	2/14/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/14/94	763			MG/L
	TOTAL OR MP ALKALINITY	AA	2/14/94	211			MG/L
	TOTAL ORGANIC CARBON	EA	2/14/94	3.14			MG/L
SIBW-41U	BICARBONATE ALKALINITY	AA	2/14/94	297			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/14/94	58.5	J		MG/L
	CHLORIDE	AA	2/14/94	232			MG/L
	CO3 OR P ALKALINITY	AA	2/14/94	20	U		MG/L
	HARDNESS	AA	2/14/94	277			MG/L
	NITRATE AS NITROGEN	EA	2/14/94	3.79			MG/L
	SULFATE	AA	2/14/94	103			MG/L
	SULFIDE	AA	2/14/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/14/94	878			MG/L
	TOTAL OR MP ALKALINITY	AA	2/14/94	297			MG/L
	TOTAL ORGANIC CARBON	EA	2/14/94	4.87			MG/L
SIBW-43U	BICARBONATE ALKALINITY	AA	2/3/94	327			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/3/94	4.14	U		MG/L
	CHLORIDE	AA	2/3/94	151			MG/L
	CO3 OR P ALKALINITY	AA	2/3/94	20	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-43U	HARDNESS	AA	2/3/94	340			MG/L
	NITRATE AS NITROGEN	EA	2/3/94	4.06			MG/L
	SULFATE	AA	2/3/94	106			MG/L
	SULFIDE	AA	2/3/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/3/94	781			MG/L
	TOTAL OR MP ALKALINITY	AA	2/3/94	327			MG/L
	TOTAL ORGANIC CARBON	EA	2/3/94	3.12			MG/L
SIBW-44U	BICARBONATE ALKALINITY	AA	2/8/94	254		D	MG/L
		AA	2/8/94	267		D	MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/8/94	31	J	D	MG/L
		EA	2/8/94	21.2		D	MG/L
	CHLORIDE	AA	2/8/94	161		D	MG/L
		AA	2/8/94	160		D	MG/L
	CO3 OR P ALKALINITY	AA	2/8/94	20	U	D	MG/L
		AA	2/8/94	20	U	D	MG/L
	HARDNESS	AA	2/8/94	289		D	MG/L
		AA	2/8/94	318		D	MG/L
	NITRATE AS NITROGEN	EA	2/8/94	4.92		D	MG/L
		EA	2/8/94	5.1		D	MG/L
	SULFATE	AA	2/8/94	103		D	MG/L
		AA	2/8/94	104		D	MG/L
	SULFIDE	AA	2/8/94	1	U	D	MG/L
		AA	2/8/94	1	U	D	MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/8/94	753			MG/L
		AA	2/4/94	758			MG/L
	TOTAL OR MP ALKALINITY	AA	2/8/94	254		D	MG/L
		AA	2/8/94	267		D	MG/L
	TOTAL ORGANIC CARBON	EA	2/8/94	1.83		D	MG/L
		EA	2/8/94	1.9		D	MG/L
SIBW-45U	BICARBONATE ALKALINITY	AA	2/9/94	305			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/9/94	11.4	J		MG/L
	CHLORIDE	AA	2/9/94	166			MG/L
	CO3 OR P ALKALINITY	AA	2/9/94	20	U		MG/L
	HARDNESS	AA	2/9/94	330			MG/L
	NITRATE AS NITROGEN	EA	2/9/94	4.67			MG/L
	SULFATE	AA	2/9/94	107			MG/L
	SULFIDE	AA	2/9/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/9/94	812			MG/L
	TOTAL OR MP ALKALINITY	AA	2/9/94	305			MG/L
	TOTAL ORGANIC CARBON	EA	2/9/94	2.07	J		MG/L
SIBW-46U	BICARBONATE ALKALINITY	AA	2/14/94	337			MG/L
	CHEMICAL OXYGEN DEMAND	EA	2/14/94	27.1	J		MG/L
	CHLORIDE	AA	2/14/94	180			MG/L
	CO3 OR P ALKALINITY	AA	2/14/94	20	U		MG/L
	HARDNESS	AA	2/14/94	342			MG/L
	NITRATE AS NITROGEN	EA	2/14/94	1.39			MG/L
	SULFATE	AA	2/14/94	96.7			MG/L
	SULFIDE	AA	2/14/94	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	2/14/94	810			MG/L
	TOTAL OR MP ALKALINITY	AA	2/14/94	337			MG/L
	TOTAL ORGANIC CARBON	EA	2/14/94	7.82			MG/L
SIBW-4U	BICARBONATE ALKALINITY	EC	4/14/92	160			MG/L
		AA	1/6/93	142		D	MG/L
		AA	1/6/93	140		D	MG/L
		AA	2/2/94	118			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-4U	CHEMICAL OXYGEN DEMAND	ES	10/14/92	5	U		MG
		EC	4/14/92	4.5			M
		II	4/18/91	5	U		MG/L
		EA	2/2/94	8.62			MG/L
		AM	1/6/93	5	U	D	MG/L
		PB	1/9/92	5	U	D	MG/L
		ES	7/22/92	5	U	D	MG/L
		ES	7/22/92	5	U	D	MG/L
		MA	10/17/91	6.6			MG/L
		PB	1/9/92	5	U	D	MG/L
		AM	1/6/93	5.1		D	MG/L
		EA	7/25/91	10	U		MG/L
	CHLORIDE	AA	1/6/93	168		D	MG/L
		AA	1/6/93	166		D	MG/L
		AA	2/2/94	127			MG/L
		EA	7/25/91	140	J		MG/L
		AA	1/9/92	131		D	MG/L
		EC	4/14/92	130			MG/L
		AA	10/14/92	188			MG/L
		AA	7/22/92	159		D	MG/L
		AA	7/22/92	167		D	MG/L
		AA	10/17/91	130			MG/L
		AA	1/9/92	132		D	MG/L
		AA	4/18/91	98.8			MG/L
	CO3 OR P ALKALINITY	AA	1/6/93	20	U	D	MG/L
		AA	1/6/93	20	U	D	MG/L
		EC	4/14/92	20	U		MG
		AA	2/2/94	20	U		MG
	HARDNESS	AA	7/22/92	136		D	MG/L
		II	4/18/91	74.8			MG/L
		EA	7/25/91	100			MG/L
		PB	1/9/92	116		D	MG/L
		MA	10/17/91	100			MG/L
		AA	7/22/92	142		D	MG/L
		AA	10/14/92	156			MG/L
		AA	2/2/94	104			MG/L
		AA	1/6/93	119		D	MG/L
		EC	4/14/92	110			MG/L
		AA	1/6/93	116		D	MG/L
		PB	1/9/92	116		D	MG/L
	NITRATE AS NITROGEN	ES	7/22/92	5		D	MG/L
		II	4/18/91	2			MG/L
		PB	1/9/92	5.19		D	MG/L
		ES	7/22/92	5.4		D	MG/L
		AM	1/6/93	1.6		D	MG/L
		EA	2/2/94	0.538			MG/L
		EC	4/14/92	3.9			MG/L
		PB	1/9/92	5.21		D	MG/L
		ES	10/14/92	3.9	J		MG/L
		AM	1/6/93	1.6		D	MG/L
	SULFATE	AA	7/22/92	74.1	J	D	MG/L
		AA	10/14/92	73.5	J		MG/L
		AA	1/6/93	58		D	MG
		AA	4/18/91	47.8			MG/L
		EA	7/25/91	54.4	J		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-4U	SULFATE	AA	1/9/92	62.7		D	MG/L
		EC	4/14/92	58			MG/L
		AA	10/17/91	66.3			MG/L
		AA	7/22/92	70.6	J	D	MG/L
		AA	1/6/93	57.9		D	MG/L
		AA	2/2/94	43.8			MG/L
		AA	1/9/92	62.8		D	MG/L
	SULFIDE	EC	4/14/92	1	U		MG/L
		AA	7/22/92	1	U	D	MG/L
		AA	2/2/94	1	U		MG/L
		EA	7/25/91	2			MG/L
		AA	1/6/93	1	U	D	MG/L
		AA	1/6/93	1	U	D	MG/L
		AA	7/22/92	1	U	D	MG/L
		AA	10/17/91	8	J		MG/L
		AA	1/9/91	20.8			MG/L
		AA	1/1/91	44			MG/L
		AA	10/14/92	1	U		MG/L
		II	4/18/91	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	1/6/93	528		D	MG/L
		AA	2/2/94	429			MG/L
		AA	10/17/91	501			MG/L
		AA	7/22/92	586		D	MG/L
		AA	7/22/92	595		D	MG/L
		AA	1/6/93	523		D	MG/L
		AA	1/9/92	517		D	MG/L
		AA	4/18/91	440			MG/L
		AA	1/9/92	530		D	MG/L
		EA	7/25/91	512			MG/L
		EC	4/14/92	460			MG/L
		AA	10/14/92	645			MG/L
	TOTAL OR MP ALKALINITY	AA	2/2/94	118			MG/L
		EC	4/14/92	160			MG/L
		AA	1/6/93	142		D	MG/L
		AA	10/14/92	154	J		MG/L
		AA	7/22/92	155		D	MG/L
		AA	7/22/92	156		D	MG/L
		AA	1/9/92	170		D	MG/L
		EA	7/25/91	152			MG/L
		AA	7/22/92	155			MG/L
		AA	1/9/92	168		D	MG/L
		AA	1/6/93	140		D	MG/L
		AA	4/18/91	162			MG/L
		AA	10/17/91	161			MG/L
	TOTAL ORGANIC CARBON	ES	10/14/92	1	U		MG/L
		AM	1/6/93	2	U	D	MG/L
		AM	1/6/93	2	U	D	MG/L
		PB	1/9/92	2	U	D	MG/L
		II	4/18/91	2	U		MG/L
		EA	2/2/94	2.19			MG/L
		PB	1/9/92	2	U	D	MG/L
		MA	10/17/91	5.3			MG/L
		EA	7/25/91	2	U		MG/L
		ES	7/22/92	2.3		D	MG/L
		ES	7/22/92	1	U	D	MG/L

Appendix O
Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-4U	TOTAL ORGANIC CARBON	EC	4/14/92	2	U		MG/L
SIBW-50U	AMMONIA AS NITROGEN	AT	2/18/94	0.03	U		MG/L
	NITRATE AS NITROGEN	AT	2/18/94	3.7			MG/L
	NO2/NO3-N, TOTAL	AT	2/18/94	3.7			MG/L
SIBW-51U	AMMONIA AS NITROGEN	AT	2/18/94	0.03	U		MG/L
	NITRATE AS NITROGEN	AT	2/18/94	4.1			MG/L
	NO2/NO3-N, TOTAL	AT	2/18/94	4.1			MG/L
SIBW-52U	AMMONIA AS NITROGEN	AT	2/18/94	0.03	U	D	MG/L
		AT	2/18/94	0.03	U	D	MG/L
	NITRATE AS NITROGEN	AT	2/18/94	3.3		D	MG/L
		AT	2/18/94	3.1		D	MG/L
	NO2/NO3-N, TOTAL	AT	2/18/94	3.3		D	MG/L
		AT	2/18/94	3.1		D	MG/L
SIBW-53U	AMMONIA AS NITROGEN	AT	2/18/94	0.03	U		MG/L
	NITRATE AS NITROGEN	AT	2/17/94	3.6			MG/L
	NO2/NO3-N, TOTAL	AT	2/17/94	3.6			MG/L
SIBW-5U	BICARBONATE ALKALINITY	AA	2/14/94	216			MG/L
		EC	4/23/92	200			MG/L
		AA	1/8/93	198			MG/L
	CHEMICAL OXYGEN DEMAND	EA	7/26/91	17.4		D	MG/L
		ES	7/24/92	5	U	D	MG/L
		ES	7/24/92	5	U	D	MG/L
		MA	10/16/91	6.6			MG/L
		PB	1/20/92	5	U		MG/L
		AM	1/8/93	7.4	J		MG/L
		II	4/26/91	5	U	D	MG/L
		ES	10/6/92	5	U	D	MG/L
		II	4/26/91	5	U	D	MG/L
		II	4/26/91	5	U	D	MG/L
		EC	4/23/92	20	U		MG/L
		EA	2/14/94	33	J		MG/L
		EA	7/26/91	10	U	D	MG/L
		ES	10/6/92	5	U	D	MG/L
	CHLORIDE	EC	4/23/92	220			MG/L
		AA	2/14/94	243			MG/L
		AA	1/8/93	192			MG/L
		AA	10/6/92	226		D	MG/L
		AA	7/24/92	248		D	MG/L
		AA	10/16/91	173			MG/L
		AA	1/20/92	223			MG/L
		EA	7/26/91	365	J	D	MG/L
		AA	4/26/91	210		D	MG/L
		AA	4/26/91	218		D	MG/L
		AA	10/6/92	226		D	MG/L
		AA	7/24/92	258		D	MG/L
		EA	7/26/91	374	J	D	MG/L
		AA	4/26/91	220		D	MG/L
	CO3 OR P ALKALINITY	AA	1/8/93	20	U		MG/L
		AA	2/14/94	20	U		MG/L
		EC	4/23/92	2	U		MG/L
	HARDNESS	EA	7/26/91	340		D	MG/L
		AA	7/24/92	301		D	MG/L
		PB	1/20/92	268			MG/L
		EA	7/26/91	396		D	MG/L
		II	4/26/91	231		D	MG/L

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Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-5U	HARDNESS	II	4/26/91	228		D	MG/L
		AA	7/24/92	280		D	MG/L
		AA	10/6/92	269		D	MG/L
		II	4/26/91	231		D	MG/L
		AA	10/6/92	268		D	MG/L
		AA	1/8/93	214			MG/L
		AA	2/14/94	297			MG/L
		EC	4/23/92	260			MG/L
		MA	10/16/91	332			MG/L
	NITRATE AS NITROGEN	ES	7/24/92	3.8		D	MG/L
		ES	10/6/92	4.5	J	D	MG/L
		ES	7/24/92	4.1		D	MG/L
		ES	10/6/92	4.7	J	D	MG/L
		AM	1/8/93	4.9			MG/L
		EC	4/23/92	2.9			MG/L
		II	4/26/91	3.8		D	MG/L
		PB	1/20/92	4.04			MG/L
		II	4/26/91	4.2		D	MG/L
		II	4/26/91	3.8		D	MG/L
		EA	2/14/94	7.12			MG/L
	SULFATE	AA	4/26/91	124		D	MG/L
		AA	10/6/92	135		D	MG/L
		EC	4/23/92	130			MG/L
		AA	2/14/94	141			MG/L
		AA	7/24/92	140		D	MG/L
		AA	4/26/91	119		D	MG/L
		AA	10/6/92	147		D	MG/L
		AA	7/24/92	142		D	MG/L
		EA	7/26/91	131	J	D	MG/L
		EA	7/26/91	127	J	D	MG/L
		AA	1/20/92	137			MG/L
		AA	10/16/91	149			MG/L
		AA	1/8/93	129			MG/L
		AA	4/26/91	118		D	MG/L
	SULFIDE	AA	1/20/92	8			MG/L
		II	4/26/91	1	U	D	MG/L
		AA	1/8/93	1	U		MG/L
		II	4/26/91	1	U	D	MG/L
		II	4/26/91	1	U	D	MG/L
		EA	7/26/91	0.5	U	D	MG/L
		AA	10/16/91	1	U		MG/L
		AA	7/24/92	1	U	D	MG/L
		AA	10/6/92	1	U	D	MG/L
		AA	2/14/94	1	U		MG/L
		EC	4/23/92	1	U		MG/L
		AA	10/6/92	1	U	D	MG/L
		AA	7/24/92	1	U	D	MG/L
		EA	7/26/91	0.5	U	D	MG/L
	TOTAL DISSOLVED SOLIDS	EC	4/23/92	800			MG/L
		AA	4/26/91	767		D	MG/L
		AA	4/26/91	766		D	MG/L
		EA	7/26/91	1060		D	MG/L
		AA	10/6/92	836		D	MG/L
		AA	4/26/91	772	J	D	MG/L
		EA	7/26/91	1630		D	MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-5U	TOTAL DISSOLVED SOLIDS	AA	1/20/92	837			MG/L
		AA	2/14/94	933			MG/L
		AA	7/24/92	904		D	MG/L
		AA	7/24/92	865		D	MG/L
		AA	1/8/93	752			MG/L
		AA	10/6/92	841		D	MG/L
	TOTAL OR MP ALKALINITY	AA	4/26/91	191		D	MG/L
		AA	10/6/92	209		D	MG/L
		AA	7/24/92	224		D	MG/L
		EC	4/23/92	200			MG/L
		AA	2/14/94	216			MG/L
		AA	7/24/92	225		D	MG/L
		AA	1/8/93	198			MG/L
		AA	4/26/91	192		D	MG/L
		AA	10/6/92	210		D	MG/L
		AA	10/16/91	256			MG/L
		AA	1/20/92	217			MG/L
		EA	7/26/91	283		D	MG/L
		EA	7/26/91	4.2		D	MG/L
		AA	4/26/91	198		D	MG/L
	TOTAL ORGANIC CARBON	ES	10/6/92	1	U	D	MG/L
		II	4/26/91	2	U	D	MG/L
		II	4/26/91	2	U	D	MG/L
		EA	2/14/94	3.06			MG/L
		ES	10/6/92	1.7	J	D	MG/L
		EC	4/23/92	2	U		MG/L
		AM	1/8/93	2	U		MG/L
		II	4/26/91	2	U	D	MG/L
		EA	7/26/91	3.4		D	MG/L
		EA	7/26/91	2.8		D	MG/L
		PB	1/20/92	2	U		MG/L
		MA	10/16/91	15.3			MG/L
		ES	7/24/92	2.2		D	MG/L
		ES	7/24/92	1	U	D	MG/L
SIBW-6U	BICARBONATE ALKALINITY	AA	1/11/93	229			MG/L
		EC	4/18/92	280			MG/L
		AA	2/8/94	219			MG/L
	CHEMICAL OXYGEN DEMAND	ES	10/7/92	5	U		MG/L
		EA	2/8/94	38.9	J		MG/L
		II	4/19/91	5	U		MG/L
		EA	7/27/91	10	U		MG/L
		ES	7/27/92	5	U		MG/L
		AM	1/11/93	5	U		MG/L
		MA	10/20/91	5.7			MG/L
		EC	4/18/92	25			MG/L
	CHLORIDE	EC	4/18/92	280			MG/L
		AA	4/19/91	253			MG/L
		EA	7/27/91	191	J		MG/L
		AA	1/12/92	203			MG/L
		AA	10/20/91	166			MG/L
		AA	1/11/93	288			MG/L
		AA	7/27/92	236			MG/L
		AA	10/7/92	288			MG/L
		AA	2/8/94	260			MG/L
	CO3 OR P ALKALINITY	AA	1/11/93	20	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-6U	CO3 OR P ALKALINITY	AA	2/8/94	20	U		MG/L
		EC	4/18/92	2	U		MG/L
	HARDNESS	EC	4/18/92	330			MG/L
		AA	7/27/92	344			MG/L
		AA	1/11/93	330			MG/L
		AA	10/7/92	327			MG/L
		II	4/19/91	156			MG/L
		EA	7/27/91	168			MG/L
		MA	10/20/91	212			MG/L
		AA	2/8/94	318			MG/L
	NITRATE AS NITROGEN	ES	7/27/92	7.4			MG/L
		EA	2/8/94	4.06			MG/L
		II	4/19/91	2.9			MG/L
		ES	10/7/92	7	J		MG/L
		AM	1/11/93	7.1			MG/L
		EC	4/18/92	7.7			MG/L
	SULFATE	AA	7/27/92	84.3			MG/L
		AA	4/19/91	139			MG/L
		EA	7/27/91	58.4	J		MG/L
		AA	10/20/91	66.6			MG/L
		AA	10/7/92	106			MG/L
		AA	1/11/93	107			MG/L
		EC	4/18/92	110			MG/L
		AA	2/8/94	106			MG/L
		AA	1/12/92	78.7			MG/L
	SULFIDE	AA	2/8/94	1	U		MG/L
		AA	1/12/92	27.1			MG/L
		II	4/19/91	1	U		MG/L
		EA	7/27/91	0.5	U		MG/L
		AA	1/11/93	1	U		MG/L
		AA	10/7/92	1	U		MG/L
		EC	4/18/92	1	U		MG/L
		AA	10/20/91	17.3	J		MG/L
		AA	7/27/92	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	4/19/91	532			MG/L
		AA	1/12/92	719			MG/L
		EA	7/27/91	73			MG/L
		AA	10/20/91	612			MG/L
		AA	7/27/92	926			MG/L
		AA	10/7/92	920			MG/L
		AA	1/11/93	925			MG/L
		AA	2/8/94	868			MG/L
		EC	4/18/92	940			MG/L
	TOTAL OR MP ALKALINITY	AA	4/19/91	219			MG/L
		EA	7/27/91	231			MG/L
		EC	4/18/92	280			MG/L
		AA	2/8/94	219			MG/L
		AA	1/11/93	229			MG/L
		AA	10/7/92	236			MG/L
		AA	7/27/92	248			MG/L
		AA	1/12/92	201			MG/L
		AA	10/20/91	223			MG/L
	TOTAL ORGANIC CARBON	II	4/19/91	2	U		MG/L
		AM	1/11/93	2	U		MG/L
		EC	4/18/92	2	U		MG/L

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Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-6U	TOTAL ORGANIC CARBON	EA	2/8/94	1.76			MG
		ES	7/27/92	1	J		M
		ES	10/7/92	1.5	J		MG/L
		EA	7/27/91	2	U		MG/L
		MA	10/20/91	15.4			MG/L
SIBW-7U	BICARBONATE ALKALINITY	AA	1/5/93	149			MG/L
		AA	2/7/94	166			MG/L
		EC	4/16/92	160			MG/L
	CHEMICAL OXYGEN DEMAND	MA	10/14/91	9.5			MG/L
		II	4/16/91	5	U		MG/L
		ES	7/23/92	5	U		MG/L
		ES	10/6/92	5	U		MG/L
		AM	1/5/93	7.4	J		MG/L
		EA	2/7/94	4.14	U		MG/L
		EC	4/16/92	20	U		MG/L
		EA	7/26/91	14			MG/L
	CHLORIDE	EA	7/26/91	133	J		MG/L
		AA	1/7/92	125			MG/L
		AA	4/16/91	105			MG/L
		AA	7/23/92	159			MG/L
		EC	4/16/92	100			MG/L
		AA	2/7/94	105			MG/L
		AA	10/6/92	159			MG/L
		AA	1/5/93	159			MG/L
		AA	10/14/91	118			MG/L
	CO3 OR P ALKALINITY	EC	4/16/92	20	U		MG/L
		AA	2/7/94	20	U		M
		AA	1/5/93	20	U		M
	HARDNESS	EC	4/16/92	210			MG/L
		AA	7/23/92	208			MG/L
		II	4/16/91	163			MG/L
		AA	10/6/92	208			MG/L
		MA	10/14/91	200			MG/L
		AA	2/7/94	173			MG/L
		AA	1/5/93	197			MG/L
		EA	7/26/91	176			MG/L
	NITRATE AS NITROGEN	II	4/16/91	2.55			MG/L
		ES	10/6/92	2	J		MG/L
		ES	7/23/92	2			MG/L
		EA	2/7/94	2.92			MG/L
		EC	4/16/92	2.6			MG/L
		AM	1/5/93	0.75			MG/L
	SULFATE	AA	7/23/92	52.4	J		MG/L
		AA	4/16/91	48.3			MG/L
		EA	7/26/91	45.9	J		MG/L
		AA	10/14/91	55.5			MG/L
		AA	10/6/92	49.9			MG/L
		AA	1/5/93	48.1			MG/L
		AA	2/7/94	45			MG/L
		EC	4/16/92	48.3			MG/L
		AA	1/7/92	61			MG/L
	SULFIDE	AA	1/5/93	1	U		MG/L
		AA	1/7/92	21.6			M
		II	4/16/91	1	U		MG/L
		EA	7/26/91	0.5	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-7U	SULFIDE	AA	7/23/92	1	U		MG/L
		AA	2/7/94	1	U		MG/L
		EC	4/16/92	1	U		MG/L
		AA	10/6/92	1	U		MG/L
		AA	10/14/91	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	10/14/91	522			MG/L
		AA	4/16/91	500			MG/L
		EA	7/26/91	512			MG/L
		AA	10/6/92	518			MG/L
		AA	1/7/92	487			MG/L
		AA	7/23/92	513			MG/L
		AA	1/5/93	479			MG/L
		AA	2/7/94	463			MG/L
		EC	4/16/92	500			MG/L
	TOTAL OR MP ALKALINITY	EC	4/16/92	160			MG/L
		AA	2/7/94	166			MG/L
		AA	1/5/93	149			MG/L
		AA	10/6/92	150			MG/L
		AA	7/23/92	153			MG/L
		AA	1/7/92	201			MG/L
		EA	7/26/91	237			MG/L
		AA	4/16/91	176			MG/L
		AA	10/14/91	193			MG/L
	TOTAL ORGANIC CARBON	ES	10/6/92	1	U		MG/L
		EA	2/7/94	0.981	J		MG/L
		AM	1/5/93	2	U		MG/L
		MA	10/14/91	7.9			MG/L
		II	4/16/91	2	U		MG/L
		EA	7/26/91	2.3			MG/L
		EC	4/16/92	2	U		MG/L
		ES	7/23/92	1.6	J		MG/L
SIBW-8U	BICARBONATE ALKALINITY	AA	2/7/94	242			MG/L
		EC	4/13/92	270			MG/L
		AA	1/5/93	188			MG/L
	CHEMICAL OXYGEN DEMAND	II	4/16/91	5	U		MG/L
		EA	7/24/91	14			MG/L
		EA	2/7/94	23.8	J		MG/L
		AM	1/5/93	9.7	J		MG/L
		ES	10/6/92	5	U		MG/L
		ES	7/21/92	7.9			MG/L
		MA	10/15/91	10.1			MG/L
		PB	1/9/92	5	U		MG/L
		EC	4/13/92	20	U		MG/L
	CHLORIDE	EC	4/13/92	220			MG/L
		AA	4/16/91	141			MG/L
		EA	7/24/91	173	J		MG/L
		AA	1/9/92	143			MG/L
		AA	10/15/91	135			MG/L
		AA	7/21/92	179			MG/L
		AA	1/5/93	160			MG/L
		AA	2/7/94	119			MG/L
		AA	10/6/92	165			MG/L
	CO3 OR P ALKALINITY	AA	1/5/93	20	U		MG/L
		EC	4/13/92	20	U		MG/L
		AA	2/7/94	20	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-8U	HARDNESS	AA	7/21/92	313			M
		EC	4/13/92	320			M
		II	4/16/91	239			MG/L
		EA	7/24/91	240			MG/L
		MA	10/15/91	328			MG/L
		AA	10/6/92	285			MG/L
		AA	2/7/94	265			MG/L
		AA	1/5/93	261			MG/L
	NITRATE AS NITROGEN	ES	7/21/92	0.67			MG/L
		ES	10/6/92	0.55	J		MG/L
		AM	1/5/93	0.52			MG/L
		EA	2/7/94	0.16			MG/L
		II	4/16/91	3.58			MG/L
		EC	4/13/92	2.4			MG/L
		PB	1/9/92	0.51			MG/L
	SULFATE	AA	2/7/94	86.1			MG/L
		EC	4/13/92	110			MG/L
		AA	4/16/91	61.9			MG/L
		EA	7/24/91	110	J		MG/L
		AA	1/9/92	79			MG/L
		AA	10/15/91	92.7			MG/L
		AA	7/21/92	104	J		MG/L
		AA	10/6/92	88.2			MG/L
		AA	1/5/93	88.3			MG/L
	SULFIDE	AA	2/7/94	1	U		MG/L
		AA	1/5/93	1	U		MG/L
		EC	4/13/92	1	U		M
		AA	7/21/92	1	U		M
		AA	1/9/91	25.8			MG/L
		EA	7/24/91	1.6			MG/L
		II	4/16/91	1	U		MG/L
		AA	10/6/92	1	U		MG/L
		AA	10/15/91	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	EA	7/24/91	227			MG/L
		AA	10/15/91	679			MG/L
		AA	4/16/91	631			MG/L
		AA	1/5/93	579			MG/L
		AA	10/6/92	663			MG/L
		AA	7/21/92	705			MG/L
		AA	1/9/92	583			MG/L
		EC	4/13/92	680			MG/L
	TOTAL OR MP ALKALINITY	EA	7/24/91	260			MG/L
		AA	7/21/92	248			MG/L
		AA	4/16/91	225			MG/L
		AA	1/9/92	232			MG/L
		AA	10/15/91	244			MG/L
		AA	10/6/92	230			MG/L
		EC	4/13/92	270			MG/L
		AA	2/7/94	242			MG/L
		AA	1/5/93	188			MG/L
	TOTAL ORGANIC CARBON	II	4/16/91	2	U		MG/L
		AM	1/5/93	2	U		MG/L
		EC	4/13/92	2.1			M
		EA	7/24/91	3.3			MG/L
		PB	1/9/92	2	U		MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-8U	TOTAL ORGANIC CARBON	MA	10/15/91	18			MG/L
		ES	7/21/92	2.3			MG/L
		ES	10/6/92	2			MG/L
		EA	2/7/94	2.56			MG/L
SIBW-9U	BICARBONATE ALKALINITY	AA	1/7/93	284			MG/L
		AA	2/8/94	216	U		MG/L
		EC	4/15/92	250			MG/L
	CHEMICAL OXYGEN DEMAND	EA	7/24/91	14			MG/L
		EC	4/15/92	29			MG/L
		II	4/16/91	5	U		MG/L
		MA	10/15/91	7.3			MG/L
		ES	10/7/92	5	U		MG/L
		AM	1/7/93	7.4			MG/L
		EA	2/8/94	40.9	J		MG/L
		ES	7/21/92	5	U		MG/L
	CHLORIDE	AA	1/7/92	204			MG/L
		AA	10/7/92	186			MG/L
		AA	10/15/91	159			MG/L
		EA	7/24/91	196	J		MG/L
		AA	4/16/91	147			MG/L
		AA	7/21/92	192			MG/L
		EC	4/15/92	150			MG/L
		AA	2/8/94	179			MG/L
		AA	1/7/93	184			MG/L
	CO3 OR P ALKALINITY	AA	2/8/94	20	U		MG/L
		AA	1/7/93	20	U		MG/L
		EC	4/15/92	20	U		MG/L
	HARDNESS	EC	4/15/92	310			MG/L
		AA	1/7/93	311			MG/L
		AA	2/8/94	269			MG/L
		II	4/16/91	219			MG/L
		EA	7/24/91	232			MG/L
		MA	10/15/91	238			MG/L
		AA	7/21/92	313			MG/L
		AA	10/7/92	317			MG/L
	NITRATE AS NITROGEN	AM	1/7/93	1.2			MG/L
		II	4/16/91	6			MG/L
		ES	7/21/92	0.1	U		MG/L
		EA	2/8/94	1.68			MG/L
		EC	4/15/92	4.1			MG/L
		ES	10/7/92	1.4	J		MG/L
	SULFATE	EA	7/24/91	73.4	J		MG/L
		AA	7/21/92	97.5	J		MG/L
		AA	10/15/91	76.3			MG/L
		AA	4/16/91	75.2			MG/L
		AA	1/7/92	88			MG/L
		AA	10/7/92	88.3			MG/L
		AA	1/7/93	80.9			MG/L
		AA	2/8/94	70.1			MG/L
		EC	4/15/92	85			MG/L
	SULFIDE	AA	10/15/91	1	U		MG/L
		AA	7/21/92	1	U		MG/L
		AA	10/7/92	1	U		MG/L
		AA	1/7/93	1	U		MG/L
		AA	1/7/91	16.1			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SIBW-9U	SULFIDE	AA	2/8/94	1	U		MG/L
		EA	7/24/91	2			MG
		II	4/16/91	1	U		MG/L
		EC	4/15/92	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	7/21/92	760			MG/L
		AA	4/16/91	638			MG/L
		AA	2/8/94	675			MG/L
		EC	4/15/92	800			MG/L
		AA	1/7/93	500			MG/L
		AA	10/15/91	695			MG/L
		AA	1/7/92	684			MG/L
		EA	7/24/91	36.8	J		MG/L
		AA	10/7/92	742			MG/L
	TOTAL OR MP ALKALINITY	AA	1/7/92	190			MG/L
		AA	1/7/93	284			MG/L
		AA	10/7/92	297			MG/L
		AA	10/15/91	202			MG/L
		EA	7/24/91	10.4	J		MG/L
		AA	4/16/91	213			MG/L
		AA	7/21/92	279			MG/L
		AA	2/8/94	216			MG/L
		EC	4/15/92	250			MG/L
	TOTAL ORGANIC CARBON	ES	10/7/92	2.2			MG/L
		II	4/16/91	2	U		MG/L
		EA	7/24/91	2	U		MG/L
		ES	7/21/92	3.8			MG/L
		AM	1/7/93	2.3			MG/L
		EA	2/8/94	2.58			MG/L
		EC	4/15/92	2.6			MG/L
		MA	10/15/91	15.1			MG/L
SRIR1	AMMONIUM	H	5/17/83	0.1	U		MG/L
	SULFIDE	H	5/17/83	0.05	U		MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1080			NGVD
SRIR10	FIELD E. C.(MMHOS/CM2)	6	9/7/66	1400			MMHOS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	686			NGVD
	TEMPERATURE	6	9/7/66	26			DEG.C
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1016			NGVD
SRIR105	BICARBONATE	D	8/1/59	122			MG/L
		D	8/1/59	122			MG/L
	CARBONATE	D	8/1/59	0			MG/L
		D	8/1/59	0			MG/L
	CHLORIDE	D	8/1/59	269			MG/L
		D	8/1/59	269			MG/L
	LABORATORY E. C.(MMHOS/CM2)	D	8/1/59	1300			MMHOS
		D	8/1/59	1300			MMHOS
	SULFATE	D	8/1/59	298			MG/L
		D	8/1/59	298			MG/L
	TEMPERATURE	6	6/30/59	21.7			DEG.C
		6	6/30/59	21.7			DEG.C
	TOTAL DISSOLVED SOLIDS	D	8/1/59	832			MG/L
		D	8/1/59	832			MG/L
	TOTAL HARDNESS (AS CACO3)	D	8/1/59	260			MG/L
		D	8/1/59	260			MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1084			NGVD
		0	1/1/86	1084			NGVD

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
SRIR106A	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1095			NGVD
SRIR106B	AMMONIUM	H	5/17/83	0.1	U		MG/L
	BICARBONATE	D	8/1/59	232			MG/L
	CARBONATE	D	8/1/59	0			MG/L
	CHLORIDE	D	8/1/59	174			MG/L
	FIELD E. C.(MMHOS/CM2)	6	9/7/66	1200			MMHOS
	LABORATORY E. C.(MMHOS/CM2)	D	8/1/59	980			MMHOS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	485			NGVD
	SULFATE	D	8/1/59	130			MG/L
	SULFIDE	H	5/17/83	0.05	U		MG/L
	TEMPERATURE	6	9/7/66	24.3			DEG.C
	TOTAL DISSOLVED SOLIDS	D	8/1/59	627			MG/L
	TOTAL HARDNESS (AS CACO3)	D	8/1/59	215			MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1044			NGVD
SRIR11	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	988			NGVD
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1177			NGVD
TRI-CITY	AMMONIUM	8	2/5/86	0.1	U		MG/L
	BICARBONATE	X	6/10/88	206			MG/L
		X	8/16/89	216			MG/L
	BICARBONATE ALKALINITY	EC	4/16/92	170			MG/L
	CARBONATE	X	6/10/88	1	U		MG/L
	CHEMICAL OXYGEN DEMAND	MA	10/17/91	5	U		MG/L
		II	4/19/91	5	U		MG/L
		ES	7/24/92	5	U		MG/L
		ES	10/8/92	7.5			MG/L
		EC	4/16/92	20	U		MG/L
		PB	1/15/92	5	U		MG/L
	CHLORIDE	AA	4/19/91	213			MG/L
		AA	10/8/92	185			MG/L
		X	8/16/89	141			MG/L
		X	6/10/88	129			MG/L
		EC	4/16/92	210			MG/L
		AA	1/15/92	242			MG/L
		8	2/5/86	134			MG/L
		AA	10/17/91	195			MG/L
		AA	7/24/92	187			MG/L
	CO3 OR P ALKALINITY	EC	4/16/92	20	U		MG/L
		8	2/5/86	1	U		MG/L
	FIELD E. C.(MMHOS/CM2)	6	9/8/82	1020			MMHOS
		6	2/5/86	760			MMHOS
	FIELD PH	6	2/5/86	7.33			UNITS
	FLUORIDE	X	8/16/89	0.2			MG/L
		8	2/5/86	0.23			MG/L
		6	9/8/82	0.5			MG/L
	HARDNESS	AA	10/8/92	221			MG/L
		EC	4/16/92	260			MG/L
		MA	10/17/91	280			MG/L
		PB	1/15/92	332			MG/L
		II	4/19/91	111			MG/L
		AA	7/24/92	223			MG/L
	LABORATORY E. C.(MMHOS/CM2)	8	2/5/86	904			MMHOS
	LABORATORY PH	8	2/5/86	7.7			UNITS
	NITRATE AS NITROGEN	ES	7/24/92	2.6			MG/L
		II	4/19/91	6.9			MG/L
		X	8/16/89	5.6			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
TRI-CITY	NITRATE AS NITROGEN	8	2/5/86	1.1			MG/
		ES	10/8/92	2	J		MG
		X	6/10/88	2.7			MG/L
		PB	1/15/92	5.96			MG/L
		EC	4/16/92	4			MG/L
	SULFATE	AA	1/15/92	105			MG/L
		X	8/16/89	54			MG/L
		8	2/5/86	32.7			MG/L
		X	6/10/88	56			MG/L
		AA	4/19/91	116			MG/L
		AA	10/17/91	91.8			MG/L
		AA	7/24/92	63			MG/L
		AA	10/8/92	62.6			MG/L
		EC	4/16/92	82			MG/L
	SULFIDE	AA	10/8/92	1	U		MG/L
		AA	7/24/92	1	U		MG/L
		AA	10/17/91	1	U		MG/L
		AA	1/15/91	45			MG/L
		II	4/19/91	1	U		MG/L
		EC	4/16/92	1	U		MG/L
	TEMPERATURE	6	2/5/86	21			DEG.C
	TOTAL DISSOLVED SOLIDS	AA	7/28/92	597			MG/L
		AA	10/8/92	575			MG/L
		AA	10/17/91	733			MG/L
		AA	4/19/91	652			MG/L
		X	8/16/89	560			MG/L
		EC	4/16/92	690			MG/
		X	6/10/88	492			MG
		AA	1/15/92	765			MG/L
		8	2/5/86	481			MG/L
	TOTAL HARDNESS (AS CACO3)	8	2/5/86	166			MG/L
	TOTAL KJELDAHL NITROGEN	8	2/5/86	0.62			MG/L
	TOTAL OR MP ALKALINITY	AA	1/15/92	169			MG/L
		AA	4/19/91	199			MG/L
		AA	7/24/92	157			MG/L
		AA	10/8/92	157			MG/L
		EC	4/16/92	170			MG/L
		8	2/5/86	183			MG/L
		AA	10/17/91	180			MG/L
	TOTAL ORGANIC CARBON	PB	1/15/92	2	U		MG/L
		MA	10/17/91	13.2			MG/L
		II	4/19/91	2	U		MG/L
		EC	4/16/92	2	U		MG/L
		ES	10/8/92	1.2	J		MG/L
		ES	7/24/92	1.4	J		MG/L
	TOTAL PHOSPHATE	8	2/5/86	0.39			MG/L
V&P	AMMONIUM	8	2/4/86	0.1	U		MG/L
	BICARBONATE	X	8/21/89	188			MG/L
		X	6/9/88	181			MG/L
	CARBONATE	X	6/9/88	1	U		MG/L
	CHLORIDE	K	7/3/90	320			MG/L
		X	8/21/89	310			MG/L
		K	8/1/90	310			MG
		K	6/6/90	320			MG/
		X	6/9/88	315			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
V&P	CHLORIDE	8	2/4/86	320			MG/L
	CO3 OR P ALKALINITY	8	2/4/86	1	U		MG/L
	FIELD E. C.(MMHOS/CM2)	6	2/4/86	1400			MMHOS
	FIELD PH	6	2/4/86	7.57			UNITS
	FLUORIDE	K	8/1/90	0.2	U		MG/L
		8	2/4/86	0.2	U		MG/L
		K	7/3/90	0.2	U		MG/L
		K	6/6/90	0.3			MG/L
		X	8/21/89	0.12			MG/L
	HARDNESS	K	7/3/90	420			MG/L
		K	8/1/90	440			MG/L
		K	6/6/90	400			MG/L
	LABORATORY E. C.(MMHOS/CM2)	8	2/4/86	1468			MMHOS
	LABORATORY PH	K	7/3/90	7.4			UNITS
		K	6/6/90	7.7			UNITS
		K	8/1/90	7.5			UNITS
		8	2/4/86	7.5			UNITS
	MIDDLE ALLUVIUM LOWER ALLUVI	0	1/1/86	695			NGVD
	NITRATE AS NITROGEN	K	7/3/90	9.5			MG/L
		K	8/1/90	8.6			MG/L
		K	6/6/90	9			MG/L
		8	2/4/86	7.7			MG/L
		X	8/21/89	6.5			MG/L
		X	6/9/88	17.5			MG/L
	SULFATE	X	8/21/89	62.3			MG/L
		8	2/4/86	13.9			MG/L
		K	7/3/90	68			MG/L
		K	6/6/90	67			MG/L
		X	6/9/88	60.8			MG/L
		K	8/1/90	80			MG/L
	TEMPERATURE	6	2/4/86	23			DEG.C
	TOTAL DISSOLVED SOLIDS	K	6/6/90	930			MG/L
		8	2/4/86	713			MG/L
		X	8/21/89	987			MG/L
		X	6/9/88	842			MG/L
		K	7/3/90	930			MG/L
		K	8/1/90	920			MG/L
	TOTAL HARDNESS (AS CACO3)	8	2/4/86	403			MG/L
	TOTAL KJELDAHL NITROGEN	K	8/1/90	0.2	U		MG/L
		K	6/6/90	0.3			MG/L
		K	7/3/90	0.3			MG/L
		8	2/4/86	0.63			MG/L
	TOTAL OR MP ALKALINITY	K	6/6/90	160			MG/L
		K	8/1/90	170			MG/L
		8	2/4/86	142			MG/L
		K	7/3/90	170			MG/L
	TOTAL ORGANIC CARBON	K	9/20/90	0.33			MG/L
		K	6/8/90	0.53			MG/L
		K	8/1/90	0.3			MG/L
		K	7/3/90	0.41			MG/L
		K	6/6/90	0.35			MG/L
	TOTAL PHOSPHATE	8	2/4/86	0.37			MG/L
		K	7/3/90	0.02			MG/L
	UPPER ALLUVIUM-MIDDLE ALLUVI	0	1/1/86	1040			NGVD
WMW-1	BICARBONATE	BB	6/12/90	180			MG/L

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STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
WMW-1	BICARBONATE ALKALINITY	AA	8/13/90	185			MG/L
	CARBONATE	BB	6/12/90	5	U		MG/L
	CHEMICAL OXYGEN DEMAND	BB	6/12/90	5	J		MG/L
		MA	10/18/91	8.4			MG/L
		DD	8/13/90	0.005	U		MG/L
		EA	7/23/91	10.6			MG/L
	CHLORIDE	BB	6/12/90	150	J		MG/L
		EA	7/23/91	170	J		MG/L
		AA	10/18/91	234			MG/L
		AA	8/13/90	163			MG/L
	CO3 OR P ALKALINITY	AA	8/13/90	0.2	U		MG/L
	HARDNESS	MA	10/18/91	304			MG/L
		EA	7/23/91	212			MG/L
		BB	6/12/90	240			MG/L
		AA	8/13/90	265			MG/L
	NITRATE AS NITROGEN	BB	6/12/90	9.1	J		MG/L
		DD	8/13/90	12.9			MG/L
	NITRITE	AA	8/13/90	0.005	U		MG/L
	SULFATE	AA	10/18/91	99.7			MG/L
		EA	7/23/91	61	J		MG/L
		BB	6/12/90	63	J		MG/L
		AA	8/13/90	70.6			MG/L
	SULFIDE	AA	8/13/90	0.1	U		MG/L
		BB	6/12/90	1	J		MG/L
		EA	7/23/91	0.5	U		MG/L
		AA	10/18/91	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	BB	6/12/90	620	J		MG/L
		AA	8/13/90	662			MG/L
		EA	7/23/91	612			MG/L
		AA	10/18/91	722			MG/L
	TOTAL OR MP ALKALINITY	AA	8/13/90	185			MG/L
		BB	6/12/90	180			MG/L
		EA	7/23/91	135	J		MG/L
		AA	10/18/91	177			MG/L
	TOTAL ORGANIC CARBON	DD	8/13/90	3.58			MG/L
		EA	7/23/91	2.1			MG/L
		BB	6/12/90	2	U		MG/L
		MA	10/18/91	10.5			MG/L
WMW-3	BICARBONATE	BB	6/12/90	5	U	D	MG/L
		BB	6/12/90	160		D	MG/L
	BICARBONATE ALKALINITY	EC	4/14/92	140			MG/L
		AA	2/3/94	181			MG/L
		AA	1/6/93	173			MG/L
		AA	8/13/90	169			MG/L
	CARBONATE	BB	6/12/90	5	U	D	MG/L
		BB	6/12/90	5	U	D	MG/L
	CHEMICAL OXYGEN DEMAND	DD	8/13/90	0.005	U		MG/L
		EA	2/3/94	4.14	U		MG/L
		EC	4/14/92	36			MG/L
		MA	10/18/91	7.4			MG/L
		ES	7/27/92	5	U		MG/L
		ES	10/14/92	5	U		MG/L
		II	4/15/91	9.2			MG/L
		BB	6/12/90	5	J	D	MG/L
		AM	1/6/93	16.7			MG/L

Appendix O
Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
WMW-3	CHEMICAL OXYGEN DEMAND	BB	6/12/90	5	J	D	MG/L
	CHLORIDE	EC	4/14/92	150			MG/L
		AA	7/27/92	172			MG/L
		AA	10/14/92	153			MG/L
		AA	8/13/90	151			MG/L
		BB	6/12/90	10	J	D	MG/L
		BB	6/12/90	130	J	D	MG/L
		AA	10/18/91	125			MG/L
		AA	2/3/94	129			MG/L
		AA	4/15/91	84.1			MG/L
		AA	1/6/93	127			MG/L
	CO3 OR P ALKALINITY	AA	2/3/94	20	U		MG/L
		AA	8/13/90	0.2	U		MG/L
		AA	1/6/93	20	U		MG/L
		EC	4/14/92	20	U		MG/L
	HARDNESS	AA	8/13/90	206			MG/L
		II	4/15/91	178			MG/L
		AA	7/27/92	179			MG/L
		MA	10/18/91	204			MG/L
		BB	6/12/90	180		D	MG/L
		AA	2/3/94	200			MG/L
		AA	10/14/92	177			MG/L
		EC	4/14/92	190			MG/L
		AA	1/6/93	196			MG/L
		BB	6/12/90	5	U	D	MG/L
	NITRATE AS NITROGEN	ES	10/14/92	0.1	J		MG/L
		EA	2/3/94	1.4			MG/L
		BB	6/12/90	0.1	J	D	MG/L
		ES	7/27/92	0.16			MG/L
		AM	1/6/93	2			MG/L
		EC	4/14/92	1.1			MG/L
		BB	6/12/90	3.2	J	D	MG/L
		DD	8/13/90	3.34			MG/L
	NITRITE	AA	8/13/90	0.005	U		MG/L
	NO2/NO3-N, TOTAL	II	4/15/91	45			MG/L
	SULFATE	AA	10/14/92	51.3	J		MG/L
		AA	8/13/90	51			MG/L
		BB	6/12/90	5	J	D	MG/L
		AA	4/15/91	77.7			MG/L
		AA	7/27/92	54.3			MG/L
		AA	1/6/93	65.6			MG/L
		AA	2/3/94	50.5			MG/L
		AA	10/18/91	55.2			MG/L
		EC	4/14/92	66			MG/L
		BB	6/12/90	50	J	D	MG/L
	SULFIDE	EC	4/14/92	1	U		MG/L
		AA	7/27/92	1	U		MG/L
		AA	2/3/94	1	U		MG/L
		AA	10/14/92	1	U		MG/L
		AA	8/13/90	0.1	U		MG/L
		BB	6/12/90	1		D	MG/L
		II	4/15/91	1	U		MG/L
		BB	6/12/90	1	J	D	MG/L
		AA	1/6/93	1	U		MG/L
		AA	10/18/91	1	U		MG/L

Appendix O
Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
WMW-3	TOTAL DISSOLVED SOLIDS	AA	1/6/93	492			MG/
		EC	4/14/92	470			MG
		AA	2/3/94	459			MG/L
		AA	4/15/91	631			MG/L
		AA	10/14/92	505			MG/L
		BB	6/12/90	470	J	D	MG/L
		AA	7/27/92	512			MG/L
		AA	10/18/91	435			MG/L
		BB	6/12/90	20	J	D	MG/L
		AA	8/13/90	518			MG/L
	TOTAL OR MP ALKALINITY	AA	8/13/90	169			MG/L
		EC	4/14/92	140			MG/L
		AA	1/6/93	173			MG/L
		AA	10/14/92	134	J		MG/L
		AA	7/27/92	118			MG/L
		AA	2/3/94	181			MG/L
		BB	6/12/90	160		D	MG/L
		BB	6/12/90	5	U	D	MG/L
		AA	4/15/91	169			MG/L
		AA	10/18/91	174			MG/L
	TOTAL ORGANIC CARBON	II	4/15/91	3.1			MG/L
		EC	4/14/92	3			MG/L
		DD	8/13/90	5.46			MG/L
		EA	2/3/94	1.06			MG/L
		AM	1/6/93	2.3			MG/L
		ES	10/14/92	2.6			MG/L
		ES	7/27/92	2.8			MG
		MA	10/18/91	9.6			MG
		BB	6/12/90	2	U	D	MG/L
		BB	6/12/90	2	U	D	MG/L
WMW-4	BICARBONATE ALKALINITY	EC	4/20/92	150			MG/L
		BB	6/14/90	150			MG/L
		AA	8/13/90	158			MG/L
		AA	2/3/94	149			MG/L
	CHEMICAL OXYGEN DEMAND	EC	4/20/92	27			MG/L
		BB	6/14/90	7.2	J		MG/L
		ES	7/22/92	5	U		MG/L
		EA	7/23/91	10	U		MG/L
		DD	8/13/90	0.0173			MG/L
		EA	2/3/94	4.84	J		MG/L
		MA	10/17/91	9.7			MG/L
	CHLORIDE	AA	8/13/90	109			MG/L
		AA	10/17/91	100			MG/L
		EC	4/20/92	160			MG/L
		AA	2/3/94	97.4			MG/L
		AA	7/22/92	166			MG/L
		BB	6/14/90	97	J		MG/L
		EA	7/23/91	116	J		MG/L
	CO3 OR P ALKALINITY	AA	2/3/94	20	U		MG/L
		BB	6/14/90	5	U		MG/L
		EC	4/20/92	2	U		MG/L
		AA	8/13/90	0.2	U		MG/L
	HARDNESS	EA	7/23/91	160			MG
		AA	2/3/94	157			MG.
		EC	4/20/92	220			MG/L

Appendix O
Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
WMW-4	HARDNESS	MA	10/17/91	170			MG/L
		AA	8/13/90	178			MG/L
		BB	6/14/90	150			MG/L
		AA	7/22/92	219			MG/L
	NITRATE AS NITROGEN	EC	4/20/92	0.68			MG/L
		DD	8/13/90	2.22			MG/L
		ES	7/22/92	0.31			MG/L
		EA	2/3/94	0.338			MG/L
	NITRITE	AA	8/13/90	0.005	U		MG/L
	SULFATE	EA	7/23/91	39.9	J		MG/L
		AA	2/3/94	40.3			MG/L
		EC	4/20/92	54			MG/L
		AA	7/22/92	43.7	J		MG/L
		AA	8/13/90	44.3			MG/L
		BB	6/14/90	43	J		MG/L
		AA	10/17/91	43.7			MG/L
	SULFIDE	AA	10/17/91	1	U		MG/L
		BB	6/14/90	1	J		MG/L
		AA	7/22/92	1	U		MG/L
		AA	8/13/90	0.1	U		MG/L
		AA	2/3/94	1	U		MG/L
		AA	1/15/92	1.2			MG/L
		EC	4/20/92	1	U		MG/L
		EA	7/23/91	0.5	U		MG/L
	TOTAL DISSOLVED SOLIDS	BB	6/14/90	400	J		MG/L
		EA	7/23/91	474			MG/L
		AA	10/17/91	377			MG/L
		AA	7/22/92	505			MG/L
		AA	2/3/94	387			MG/L
		EC	4/20/92	570	J		MG/L
		AA	8/13/90	418			MG/L
	TOTAL OR MP ALKALINITY	BB	6/14/90	150	J		MG/L
		EC	4/20/92	150			MG/L
		AA	7/22/92	148			MG/L
		AA	10/17/91	171			MG/L
		AA	2/3/94	149			MG/L
		AA	8/13/90	158			MG/L
		EA	7/23/91	148	J		MG/L
	TOTAL ORGANIC CARBON	BB	6/14/90	2	U		MG/L
		MA	10/17/91	10.8			MG/L
		DD	8/13/90	4.44			MG/L
		EA	2/3/94	1.39			MG/L
		EC	4/20/92	2	U		MG/L
		EA	7/23/91	2	U		MG/L
		ES	7/22/92	2.6			MG/L
WMW-5	CHEMICAL OXYGEN DEMAND	ES	7/23/92	14			MG/L
		MA	10/23/91	11.9			MG/L
		PB	1/20/92	5	U		MG/L
		II	4/18/91	15.2		D	MG/L
		II	4/18/91	14.4		D	MG/L
	CHLORIDE	AA	7/23/92	281			MG/L
		AA	10/23/91	324			MG/L
		AA	1/20/92	222			MG/L
		AA	4/18/91	72.2		D	MG/L
		AT	3/3/87	54.7			MG/L

Appendix O
Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
WMW-5	FLUORIDE	AT	3/3/87	0.95			MG/L
	HARDNESS	PB	1/20/92	188			MG
		II	4/18/91	75.6		D	MG/L
		AA	7/23/92	289			MG/L
		II	4/18/91	76.4		D	MG/L
		MA	10/23/91	364			MG/L
	LABORATORY PH	AT	3/3/87	7.63			UNITS
	NITRATE AS NITROGEN	ES	7/23/92	1.4			MG/L
		II	4/18/91	0.6		D	MG/L
		II	4/18/91	0.7		D	MG/L
		PB	1/20/92	0.82			MG/L
		AT	3/3/87	4.2			MG/L
	SULFATE	AA	7/23/92	105	J		MG/L
		AA	10/23/91	115			MG/L
		AA	1/20/92	59.1			MG/L
		AT	3/3/87	28.2			MG/L
		AA	4/18/91	47.8		D	MG/L
	SULFIDE	AA	1/20/91	44			MG/L
		AA	7/23/92	1	U		MG/L
		II	4/18/91	1	U	D	MG/L
		AA	10/23/91	6.9	J		MG/L
		II	4/18/91	1	U	D	MG/L
	TOTAL DISSOLVED SOLIDS	AT	3/3/87	255			MG/L
		AA	7/23/92	819			MG/L
		AA	10/23/91	830			MG/L
		AA	4/18/91	312		D	MG/L
		AA	1/20/92	570			MG/
	TOTAL OR MP ALKALINITY	AA	10/23/91	151			MG
		AT	3/3/87	102			MG/L
		AA	1/20/92	87.6			MG/L
		AA	7/23/92	187			MG/L
		AA	4/18/91	80.4		D	MG/L
	TOTAL ORGANIC CARBON	II	4/18/91	5.6		D	MG/L
		ES	7/23/92	4.6			MG/L
		PB	1/20/92	2	U		MG/L
		MA	10/23/91	14.8			MG/L
		II	4/18/91	4.9		D	MG/L
WMW-6	BICARBONATE ALKALINITY	AA	1/7/93	146		D	MG/L
		EC	4/20/92	180			MG/L
		AA	1/7/93	152		D	MG/L
	CHEMICAL OXYGEN DEMAND	PB	1/8/92	5	U		MG/L
		AM	1/7/93	5.1		D	MG/L
		EA	7/25/91	10	U		MG/L
		AM	1/7/93	5	U	D	MG/L
		EC	4/20/92	20	U		MG/L
		MA	10/18/91	6.6			MG/L
		ES	7/22/92	5	U		MG/L
		ES	10/9/92	5	J		MG/L
	CHLORIDE	AA	1/7/93	265		D	MG/L
		EA	7/25/91	218	J		MG/L
		AA	1/8/92	332			MG/L
		AA	10/18/91	165			MG/L
		AA	7/22/92	269			MG
		AA	10/9/92	265			M.
		AA	1/7/93	268		D	MG/L

Appendix O
Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
WMW-6	CHLORIDE	EC	4/20/92	260			MG/L
	CO3 OR P ALKALINITY	AA	1/7/93	20	U	D	MG/L
		EC	4/20/92	2	U		MG/L
		AA	1/7/93	20	U	D	MG/L
	HARDNESS	EA	7/25/91	236			MG/L
		PB	1/8/92	360			MG/L
		MA	10/18/91	356			MG/L
		AA	7/22/92	303			MG/L
		AA	10/9/92	289			MG/L
		AA	1/7/93	284		D	MG/L
		AA	1/7/93	282		D	MG/L
		EC	4/20/92	590			MG/L
	NITRATE AS NITROGEN	ES	10/9/92	5.5	J		MG/L
		PB	1/8/92	5.18			MG/L
		ES	7/22/92	5.4			MG/L
		AM	1/7/93	4		D	MG/L
		EC	4/20/92	6.3			MG/L
		AM	1/7/93	4		D	MG/L
	SULFATE	EA	7/25/91	78.6	J		MG/L
		AA	1/8/92	119			MG/L
		AA	10/9/92	101	J		MG/L
		AA	7/22/92	105	J		MG/L
		AA	10/18/91	76.9			MG/L
		AA	1/7/93	101		D	MG/L
		AA	1/7/93	99.9		D	MG/L
		EC	4/20/92	110			MG/L
	SULFIDE	AA	7/22/92	1	U		MG/L
		AA	1/7/93	1	U	D	MG/L
		AA	1/8/91	37.9			MG/L
		AA	10/18/91	1	U		MG/L
		EA	7/25/91	0.5	U		MG/L
		EC	4/20/92	1	U		MG/L
		AA	1/7/93	1	U	D	MG/L
		AA	10/9/92	1	U		MG/L
	TOTAL DISSOLVED SOLIDS	AA	7/22/92	793			MG/L
		AA	1/7/93	773		D	MG/L
		AA	10/9/92	785			MG/L
		EC	4/20/92	780			MG/L
		AA	10/18/91	878			MG/L
		AA	1/8/92	911			MG/L
		EA	7/25/91	764			MG/L
		AA	1/7/93	790		D	MG/L
	TOTAL OR MP ALKALINITY	EA	7/25/91	154			MG/L
		AA	1/8/92	139			MG/L
		AA	10/18/91	206			MG/L
		AA	7/22/92	165			MG/L
		AA	10/9/92	155	J		MG/L
		AA	1/7/93	152		D	MG/L
		AA	1/7/93	146		D	MG/L
		EC	4/20/92	180			MG/L
	TOTAL ORGANIC CARBON	EC	4/20/92	2	U		MG/L
		AM	1/7/93	2	U	D	MG/L
		ES	7/22/92	3			MG/L
		MA	10/18/91	9.6			MG/L
		EA	7/25/91	2	U		MG/L

Appendix O
Water Quality Data (General Chemistry)

STATION_ID	PARAM_NAME	LAB_ID	SAMPL_DATE	VALUE	VAL_FLAG_1	VAL_FLAG_2	UNITS
WMW-6	TOTAL ORGANIC CARBON	AM	1/7/93	2	U	D	MG/L
		AA	10/9/92	1.9	J		MG
		PB	1/8/92	2	U		MG/L

INFORMATION FROM FEBRUARY 1995 DRAFT INDIAN BEND WASH-SOUTH FINAL RI, CH_2M HILL.

Appendix Q

Water Quality Summary Tables

This appendix contains the following tables:

Table	Title
Q-1	Applicable Groundwater Quality Standards for the IBC-South Study Area
Q-2	Summary of Volatile Organic Compounds Detected in Groundwater
Q-3	Summary of Semivolatile Organic Compounds Detected in Groundwater
Q-4	Summary of Pesticide and PCB Compounds Detected in Groundwater
Q-5	Summary of Nitrosamine Compounds Detected in Groundwater
Q-6	Summary of BTEX Aromatic Compounds Detected in Groundwater
Q-7	Summary of Chemical Analyses for Inorganics and Metals in Excess of Drinking Water Standards—Maximum Contaminant Levels

Table Q-1

Applicable Groundwater Quality Standards for the IBW-South Study Area (in mg/l)

Compound	Applicable or Relevant and Appropriate Requirements				Other Criteria to be Considered							
			AWQC				U.S. EPA Health Advisories					
									Longer Term			
	SDWA MCL	SDWA MCLG	Toxicity	10^{-6} Cancer Risk	SDWA Proposed MCL	SDWA Proposed MCLG	1-day 10 kg	10-day 10 kg	10 kg	70 kg	Lifetime 70 kg	ADEQ Action Level Water
1,1,1-Trichloroethane	200	200	19,000		200		140,000	35,000	35,000	125,000	1,000	200
1,1-Dichloroethane												
1,1-Dichloroethene	7	7		0.033			1,000	1,000	1,000	3,500	350	1
1,1,2-Trichloro-2,2,1-Trifluoroethane												
1,2-Dichloroethane	5			0.94	5		740	740	740	2,600		1
1,3-Dichlorobenzene							8,930	8,930	8,930	31,250	3,125	750
1,2-Dichloropropane	5					6		90				87
Methyl Ethyl Ketone							75,000	7,500	2,500	8,600	860	
4-4'-DDT				>.0012								
Acetone												
Benzene	5			0.67	5		233	233				2
Bis(2-ethylhexyl)phthalate			21,000		4	0						
Bromodichloromethane	100											
Bromoform	100											
Carbon Tetrachloride	5			0.42			4,000	160	71	250		1
Chlorobenzene	100	100				60	1,800	1,800	9,000	3,000	3,150	490
Chloroform	100			0.19								3
Dibromochloromethane												
Di-n-butylphthalate			44,000		4							
Di-n-octyl phthalate												
Methylene chloride					5	0						1
Perchloroethene	5			0.88		0		34,000	1,940	6,800		3
Styrene	100	100				140	27,000	20,000	20,000	70,000	7,000	900
Toluene	1,000	1,000	15,000			2,000	18,000	6,000			10,100	340
trans-1,2-Dichloroethene	100	100				70	2,720	1,000	1,000	3,500	350	
Trichloroethene	5			2.8	5							5
Trichlorofluoromethane												1

Table Q-1

Applicable Groundwater Quality Standards for the IBW-South Study Area (in mg/l)

Compound	Applicable or Relevant and Appropriate Requirements				Other Criteria to be Considered							
			AWQC				U.S. EPA Health Advisories					
									Longer Term			
	SDWA MCL	SDWA MCLG	Toxicity	10^{-6} Cancer Risk	SDWA Proposed MCL	SDWA Proposed MCLG	1-day 10 kg	10-day 10 kg	10 kg	70 kg	Lifetime 70 kg	ADEQ Action Level Water
Aluminum	20											
Antimony		3	146		10-May			15				
Arsenic	50			0.0025		50	50	50	50	50	50	
Barium	2,000	2,000									1,800	
Beryllium				0.0039								
Boron												
Cadmium	5	5	10				43	8	5	18	18	
Chromium	100	100	50				1,400	1,400	240	840	170	
Copper	1,000				1,300	1,300						
Lead	50		50			20			20 mg/day	20 mg/day	20 mg/day	
Mercury	2	2	10			3					5.5	

Notes: This section identifies potential ARARs for the remedial action alternatives presented in this RI/FS.

Actual ARARs for the selected remedial actions for IBW-South will be identified in the Record of Decision.

ADEQ = Arizona Department of Environmental Quality.

AWQC = Ambient Water Quality Criteria; adjusted for consumption of drinking water only; fish ingestion component removed (U.S. EPA, 1986).

AWQC (10^{-6}) = The Ambient Water Quality Criteria resulting in a 10-6 excess lifetime cancer risk.

MCL = Maximum Contaminant Level.

MCLG = Maximum Contaminant Level Goal.

SDWA = Safe Drinking Water Act, 40 CFR 141, November 15, 1985.

U.S. EPA Health Advisories:

1-day/10 kg = Concentration of compound in drinking water that could pose a risk if consumed by a 10-kg child for 1 day.

10-day/10 kg = Concentration of compound in drinking water that could pose a risk if consumed by a 10-kg child for 10 days.

Longer Term/10 kg = Concentration of compound in drinking water that could pose a risk if consumed by a 10-kg child for more than 10 days.

Longer Term/70 kg = Concentration of compound in drinking water that could pose a risk if consumed by a 70-kg adult for more than 10 days.

Lifetime/70 kg = Concentration of compound in drinking water that could pose a risk if consumed by a 70-kg adult for a lifetime.

Table Q-2
Summary of Volatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
23,2.9	1,1 DICHLOROETHANE	1.5	4	5
23,2.9	1,1 DICHLOROETHENE	4.4	3	7
23,2.9	1,1,1 TRICHLOROETHANE	1.3	2	10
23,2.9	1,1,2,2 TETRACHLOROETHANE	2	1	5
23,2.9	1,2 - DICHLOROETHENE (TOTAL)	4	2	4
23,2.9	1,2 DICHLOROETHANE	1.4	2	6
23,2.9	CHLOROFORM	1.8	6	8
23,2.9	METHYLENE CHLORIDE	0.6	1	9
23,2.9	TETRA, OR PERCHLOROETHENE	4.4	5	10
23,2.9	TRICHLOROETHENE	17.4	9	11
24.3,3	TETRA, OR PERCHLOROETHENE	0.3	1	9
24.5,2.5	1,1 DICHLOROETHENE	0.5	1	1
24.5,2.5	1,1,1 TRICHLOROETHANE	8.6	3	3
24.5,2.5	CHLOROFORM	0.5	1	1
24.5,2.5	TETRA, OR PERCHLOROETHENE	3.6	5	5
24.5,2.5	TRICHLOROETHENE	4.6	4	4
AAA	TRICHLOROFLUOROMETHANE	0.5	1	2
APS#1	CARBON DISULFIDE	0.5	1	9
APS#1	CHLOROFORM	1	4	20
APS#1	METHYLENE CHLORIDE	1	1	20
APS#1	TOLUENE	0.4	1	17
APS#1	TRICHLOROETHENE	0.5	2	22
APS#2	1,1 DICHLOROETHENE	0.5	2	12
APS#2	1,1,1 TRICHLOROETHANE	0.5	1	12
APS#2	1,1,2 TRICHLOROETHANE	7	1	10
APS#2	1,2 - DICHLOROETHENE (TOTAL)	1.3	5	8
APS#2	1,2 DICHLOROETHANE	0.5	1	10
APS#2	BROMOFORM	0.8	1	10
APS#2	CHLOROFORM	3	7	10
APS#2	TETRA, OR PERCHLOROETHENE	1	6	12
APS#2	TRICHLOROETHENE	19	12	14
APS#2	TRICHLOROFLUOROMETHANE	0.5	1	9
APS#3	TRICHLOROETHENE	2.3	4	4
APS#4	1,1 DICHLOROETHANE	0.5	1	13
APS#4	ACETONE	2	1	6
APS#4	CARBON DISULFIDE	0.5	1	6
APS#4	METHYLENE CHLORIDE	1	1	13
APS#4	TETRA, OR PERCHLOROETHENE	0.2	1	13
APS#4	TOLUENE	0.6	2	12
APS#4	TOTAL XYLENES	0.9	1	12
BROCK	1,1 DICHLOROETHENE	0.2	1	17
BROCK	1,1,1 TRICHLOROETHANE	14	1	17
BROCK	ACETONE	2	1	8

Table Q-2
Summary of Volatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
BROCK	CHLOROFORM	1	1	17
BROCK	METHYLENE CHLORIDE	2	2	17
BROCK	STYRENE	0.2	1	8
BROCK	TOTAL XYLENES	0.3	1	15
COS#69	TRICHLOROETHENE	0.7	1	10
COT#1	CHLOROFORM	1.1	9	13
COT#1	TETRA, OR PERCHLOROETHENE	0.3	5	13
COT#1	TRICHLOROETHENE	0.3	10	22
COT#3	CHLOROFORM	7	14	17
COT#3	TETRA, OR PERCHLOROETHENE	0.2	3	18
COT#3	TRICHLOROETHENE	3	23	32
COT#4	1,1,2,2 TETRACHLOROETHANE	0.5	1	15
COT#4	CHLOROBENZENE	4.9	1	9
COT#4	CHLOROFORM	4.4	10	16
COT#4	TRICHLOROETHENE	11.1	18	32
COT#4	TRICHLOROFLUOROMETHANE	2.8	1	3
COT#7	1,2 - DICHLOROETHENE (TOTAL)	0.5	1	9
COT#7	CHLOROFORM	1.8	5	14
COT#7	TETRA, OR PERCHLOROETHENE	0.9	7	13
COT#7	TRICHLOROETHENE	10	23	28
COT#8	TRICHLOROETHENE	6	8	9
EXH-1	BENZENE	89	1	2
EXH-1	ETHYLBENZENE	10	1	2
EXH-1	STYRENE	42	1	2
EXH-1	TOLUENE	270	1	2
EXH-1	TOTAL XYLENES	65	1	2
EXH-2	BENZENE	150	1	2
EXH-2	ETHYLBENZENE	38	1	2
EXH-2	STYRENE	77	1	2
EXH-2	TOLUENE	300	1	2
EXH-2	TOTAL XYLENES	100	1	2
EXH-2	TRICHLOROETHENE	3.7	1	2
EXH-3	1,2 DICHLOROPROPANE	37	1	1
EXH-3	BENZENE	250	1	1
EXH-3	ETHYLBENZENE	160	1	1
EXH-3	TOLUENE	19	1	1
EXH-3	TOTAL XYLENES	76	1	1
EXH-3	TRICHLOROETHENE	29	1	1
EXVW-1	BENZENE	470	2	2
EXVW-1	ETHYLBENZENE	310	2	2
EXVW-1	TOLUENE	1240	2	2
EXVW-1	TOTAL XYLENES	1250	2	2
EXVW-3	BENZENE	340	1	1

Table Q-2
Summary of Volatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
EXVW-3	ETHYLBENZENE	290	1	1
EXVW-3	TOLUENE	1220	1	1
EXVW-3	TOTAL XYLENES	1030	1	1
EXXON-1	1,1 DICHLOROETHANE	0.4	1	5
EXXON-1	1,1 DICHLOROETHENE	1	2	5
EXXON-1	1,2 - DICHLOROETHENE (TOTAL)	0.5	2	4
EXXON-1	1,2 DICHLOROETHANE	1	2	5
EXXON-1	BENZENE	41	5	5
EXXON-1	BROMODICHLOROMETHANE	0.08	1	5
EXXON-1	CHLOROFORM	3.1	3	5
EXXON-1	ETHYLBENZENE	24	5	5
EXXON-1	METHYLENE CHLORIDE	2.2	1	5
EXXON-1	TETRA, OR PERCHLOROETHENE	6.7	5	5
EXXON-1	TOLUENE	67	5	5
EXXON-1	TOTAL XYLENES	68	5	5
EXXON-1	TRICHLOROETHENE	3.9	4	5
EXXON-3	BENZENE	5.7	2	2
EXXON-3	CHLOROFORM	0.9	1	2
EXXON-3	ETHYLBENZENE	4.3	1	2
EXXON-3	METHYLENE CHLORIDE	2.9	1	2
EXXON-3	TETRA, OR PERCHLOROETHENE	5.8	2	2
EXXON-3	TOLUENE	10	2	2
EXXON-3	TOTAL XYLENES	2.9	1	2
EXXON-3	TRICHLOROETHENE	2.9	2	2
HRLF-1	1,1 DICHLOROETHENE	0.4	1	5
HRLF-1	BENZENE	7	2	5
HRLF-1	ETHYLBENZENE	2	4	5
HRLF-1	M,P XYLENE	5	2	2
HRLF-1	O-XYLENE	2	2	2
HRLF-1	TETRA, OR PERCHLOROETHENE	0.7	2	5
HRLF-1	TOLUENE	14	3	5
HRLF-1	TOTAL XYLENES	17	2	4
HRLF-1	TRICHLOROETHENE	1	1	5
KACHINA	ACETONE	2	1	10
KACHINA	CHLOROFORM	0.5	2	20
KACHINA	METHYLENE CHLORIDE	1	1	18
KACHINA	TETRA, OR PERCHLOROETHENE	0.5	1	20
KACHINA	TRICHLOROETHENE	0.5	1	20
LAIRD#2	CHLOROFORM	1	2	3
LAIRD#2	STYRENE	7	1	1
LAIRD#2	TRICHLOROETHENE	1.7	1	5
MOB1SV1	BROMOBENZENE	1900	1	1
MOB1SV1	ETHYLBENZENE	490	1	1

Table Q-2
Summary of Volatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
MOB1SV1	M,P XYLENE	3000	1	1
MOB1SV1	O-XYLENE	4200	1	1
MOB1SV1	TOLUENE	3100	1	1
MOBIL1-1	1,1 DICHLOROETHANE	3.3	2	5
MOBIL1-1	1,1 DICHLOROETHENE	1.6	2	5
MOBIL1-1	1,1,1 TRICHLOROETHANE	0.3	1	9
MOBIL1-1	1,2 - DICHLOROETHENE (TOTAL)	7.4	3	5
MOBIL1-1	1,2 DICHLOROETHANE	0.3	1	5
MOBIL1-1	BENZENE	2700	10	10
MOBIL1-1	CHLOROFORM	1	3	5
MOBIL1-1	DICHLORODIFLUOROMETHANE	0.6	1	5
MOBIL1-1	ETHYLBENZENE	6	6	10
MOBIL1-1	M,P XYLENE	5.4	3	3
MOBIL1-1	O-XYLENE	4.4	3	4
MOBIL1-1	TETRA,OR PERCHLOROETHENE	3.9	4	13
MOBIL1-1	TOLUENE	130	9	10
MOBIL1-1	TOTAL XYLENES	710	6	6
MOBIL1-1	TRICHLOROETHENE	35.4	10	13
MOBIL1-2	1,1 DICHLOROETHANE	3.3	1	4
MOBIL1-2	1,1 DICHLOROETHENE	1.6	1	4
MOBIL1-2	1,1,1 TRICHLOROETHANE	0.3	1	8
MOBIL1-2	1,2 - DICHLOROETHENE (TOTAL)	7.1	1	4
MOBIL1-2	1,2 DICHLOROETHANE	0.3	1	4
MOBIL1-2	BENZENE	660	7	8
MOBIL1-2	CHLOROFORM	0.83	3	4
MOBIL1-2	ETHYLBENZENE	36	5	8
MOBIL1-2	M,P XYLENE	3.4	1	2
MOBIL1-2	O-XYLENE	2.4	2	3
MOBIL1-2	TETRA,OR PERCHLOROETHENE	7.2	4	11
MOBIL1-2	TOLUENE	1700	7	8
MOBIL1-2	TOTAL XYLENES	1000	5	5
MOBIL1-2	TRICHLOROETHENE	31.4	10	11
MOBIL1-3	1,1 DICHLOROETHANE	2	1	5
MOBIL1-3	1,1 DICHLOROETHENE	0.7	1	5
MOBIL1-3	1,2 - DICHLOROETHENE (TOTAL)	6.9	3	4
MOBIL1-3	1,2 DICHLOROETHANE	0.3	1	5
MOBIL1-3	BENZENE	1200	7	10
MOBIL1-3	CHLOROFORM	1.4	4	5
MOBIL1-3	ETHYLBENZENE	30	4	10
MOBIL1-3	M,P XYLENE	0.9	1	4
MOBIL1-3	O-XYLENE	1.8	2	5
MOBIL1-3	TETRA,OR PERCHLOROETHENE	3.9	3	13
MOBIL1-3	TOLUENE	3000	7	10

Table Q-2
Summary of Volatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
MOBIL1-3	TOTAL XYLENES	1720	5	5
MOBIL1-3	TRICHLOROETHENE	31.8	11	13
MOBIL1-4	1,2 - DICHLOROETHENE (TOTAL)	0.53	1	2
MOBIL1-4	BENZENE	200	4	5
MOBIL1-4	CHLOROFORM	1.2	2	2
MOBIL1-4	ETHYLBENZENE	230	4	5
MOBIL1-4	M,P XYLENE	1.9	1	2
MOBIL1-4	O-XYLENE	2.8	2	3
MOBIL1-4	TETRA,OR PERCHLOROETHENE	17	2	9
MOBIL1-4	TOLUENE	94	4	5
MOBIL1-4	TOTAL XYLENES	1200	2	2
MOBIL1-4	TRICHLOROETHENE	10	5	9
MOBIL2-1	BENZENE	7400	12	13
MOBIL2-1	ETHYLBENZENE	2400	11	13
MOBIL2-1	M,P XYLENE	2800	3	4
MOBIL2-1	M-XYLENE	4900	5	5
MOBIL2-1	O-XYLENE	3700	8	9
MOBIL2-1	P-XYLENE	4900	5	5
MOBIL2-1	TETRA,OR PERCHLOROETHENE	56	1	9
MOBIL2-1	TOLUENE	3000	12	13
MOBIL2-1	TOTAL XYLENES	12000	4	4
MOBIL2-2	1,2 DICHLOROETHANE	1	1	6
MOBIL2-2	BENZENE	1000	13	14
MOBIL2-2	CHLOROFORM	2	2	6
MOBIL2-2	ETHYLBENZENE	110	10	14
MOBIL2-2	M,P XYLENE	13	3	5
MOBIL2-2	M-XYLENE	400	5	6
MOBIL2-2	O-XYLENE	430	9	11
MOBIL2-2	P-XYLENE	400	5	6
MOBIL2-2	TETRA,OR PERCHLOROETHENE	83	1	10
MOBIL2-2	TOLUENE	220	12	14
MOBIL2-2	TOTAL XYLENES	890	3	3
MOBIL2-3	BENZENE	2400	11	13
MOBIL2-3	ETHYLBENZENE	800	10	13
MOBIL2-3	M,P XYLENE	100	3	5
MOBIL2-3	M-XYLENE	1600	4	5
MOBIL2-3	O-XYLENE	1100	7	10
MOBIL2-3	P-XYLENE	1600	4	5
MOBIL2-3	TETRA,OR PERCHLOROETHENE	1.6	1	10
MOBIL2-3	TOLUENE	800	11	13
MOBIL2-3	TOTAL XYLENES	980	3	3
MOBIL2-4	1,1 DICHLOROETHENE	49	1	6
MOBIL2-4	BENZENE	2800	13	15

Table Q-2
Summary of Volatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
MOBIL2-4	CHLOROFORM	1	1	6
MOBIL2-4	DICHLOROMETHANE	140	1	6
MOBIL2-4	ETHYLBENZENE	900	13	15
MOBIL2-4	M,P XYLENE	820	5	6
MOBIL2-4	M-XYLENE	750	4	5
MOBIL2-4	O-XYLENE	510	10	11
MOBIL2-4	P-XYLENE	750	4	5
MOBIL2-4	TETRA, OR PERCHLOROETHENE	55	1	11
MOBIL2-4	TOLUENE	1600	13	15
MOBIL2-4	TOTAL XYLENES	4100	4	4
MOBIL2-5	1,2 - DICHLOROETHENE (TOTAL)	1	1	5
MOBIL2-5	BENZENE	1800	10	11
MOBIL2-5	CHLOROFORM	1	1	5
MOBIL2-5	ETHYLBENZENE	1600	9	11
MOBIL2-5	M,P XYLENE	20	3	5
MOBIL2-5	M-XYLENE	2900	5	5
MOBIL2-5	O-XYLENE	2600	8	10
MOBIL2-5	P-XYLENE	2900	5	5
MOBIL2-5	TETRA, OR PERCHLOROETHENE	88	1	10
MOBIL2-5	TOLUENE	2400	10	11
MOBIL2-5	TOTAL XYLENES	1600	1	1
MOBIL2-5	TRICHLOROETHENE	1	1	10
MOBIL2-6	BENZENE	9.1	5	9
MOBIL2-6	CHLOROFORM	2	1	3
MOBIL2-6	ETHYLBENZENE	3.5	4	9
MOBIL2-6	M,P XYLENE	6.4	4	6
MOBIL2-6	O-XYLENE	3.8	3	9
MOBIL2-6	TOLUENE	7.8	6	9
NESBITT	1,1 DICHLOROETHANE	0.5	1	20
NESBITT	1,1,2TRICHLORO2,2,1TRIFLUOROETHANE	0.1	2	4
NESBITT	BENZENE	1.3	1	17
NESBITT	CHLOROFORM	1	2	19
NESBITT	ETHYLBENZENE	3.6	1	17
NESBITT	TETRA, OR PERCHLOROETHENE	0.5	1	20
NESBITT	TOLUENE	10	1	17
NESBITT	TOTAL XYLENES	18	1	16
NESBITT	TRICHLOROETHENE	0.3	1	19
NESBITT	VINYL CHLORIDE	1.5	2	21
PHHW-2	BENZENE	2000	1	1
PHHW-2	ETHYLBENZENE	1000	1	1
PHHW-2	M,P XYLENE	1600	1	1
PHHW-2	O-XYLENE	1800	1	1
PHHW-2	TOLUENE	1100	1	1

Table Q-2
Summary of Volatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
PHHW-3	BENZENE	1300	1	1
PHHW-3	ETHYLBENZENE	770	1	1
PHHW-3	M,P XYLENE	780	1	1
PHHW-3	O-XYLENE	890	1	1
PHHW-3	TOLUENE	690	1	1
PHHW-4	BENZENE	270	2	2
PHHW-4	DICHLORODIFLUOROMETHANE	100	1	2
PHHW-4	M,P XYLENE	130	2	2
PHHW-4	O-XYLENE	72	1	1
PHHW-4	TOLUENE	94	2	2
SIBW-10U	ACETONE	1	1	16
SIBW-10U	CARBON DISULFIDE	0.3	1	16
SIBW-10U	CHLOROFORM	0.2	1	16
SIBW-10U	TETRA, OR PERCHLOROETHENE	23	16	16
SIBW-10U	TOLUENE	0.7	1	16
SIBW-10U	TRICHLOROETHENE	0.8	5	16
SIBW-11MC	1,1 DICHLOROETHANE	0.3	1	16
SIBW-11MC	1,1 DICHLOROETHENE	0.9	9	16
SIBW-11MC	1,2 - DICHLOROETHENE (TOTAL)	1	6	13
SIBW-11MC	CHLOROFORM	1	2	16
SIBW-11MC	TETRA, OR PERCHLOROETHENE	0.6	7	17
SIBW-11MC	TOLUENE	0.7	2	16
SIBW-11MC	TRICHLOROETHENE	9	14	16
SIBW-12L	ACETONE	8	1	16
SIBW-12L	CARBON DISULFIDE	0.6	2	16
SIBW-12L	CHLOROFORM	2	6	16
SIBW-12L	TETRA, OR PERCHLOROETHENE	0.3	4	16
SIBW-12L	TOLUENE	4	2	16
SIBW-12L	TRICHLOROETHENE	0.9	10	16
SIBW-13MC	1,1 DICHLOROETHANE	0.2	1	14
SIBW-13MC	1,1 DICHLOROETHENE	0.5	5	14
SIBW-13MC	1,2 - DICHLOROETHENE (TOTAL)	3	13	14
SIBW-13MC	CHLOROFORM	2	5	14
SIBW-13MC	TETRA, OR PERCHLOROETHENE	0.7	7	14
SIBW-13MC	TOLUENE	0.5	1	14
SIBW-13MC	TRICHLOROETHENE	11	13	14
SIBW-14MC	TOLUENE	2	1	13
SIBW-14MC	TRICHLOROETHENE	0.7	1	13
SIBW-15MB	TETRA, OR PERCHLOROETHENE	0.6	7	16
SIBW-16MB	1,1 DICHLOROETHANE	0.6	5	14
SIBW-16MB	1,1 DICHLOROETHENE	0.3	2	14
SIBW-16MB	1,2 - DICHLOROETHENE (TOTAL)	1	8	12
SIBW-16MB	CARBON DISULFIDE	0.2	1	14

Table Q-2
Summary of Volatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
SIBW-16MB	CHLOROFORM	1	4	14
SIBW-16MB	TETRA.OR PERCHLOROETHENE	0.8	3	14
SIBW-16MB	TRICHLOROETHENE	7	12	14
SIBW-17MB	TETRA.OR PERCHLOROETHENE	1	9	13
SIBW-17MB	TRICHLOROETHENE	0.4	5	13
SIBW-19U	1,2 - DICHLOROETHENE (TOTAL)	0.9	2	24
SIBW-19U	ACETONE	5	1	25
SIBW-19U	CARBON DISULFIDE	0.7	1	25
SIBW-19U	TRICHLOROETHENE	5	12	25
SIBW-1U	1,1 DICHLOROETHANE	0.4	2	16
SIBW-1U	1,2 - DICHLOROETHENE (TOTAL)	0.8	4	16
SIBW-1U	CARBON DISULFIDE	0.5	1	16
SIBW-1U	CHLOROFORM	0.3	1	16
SIBW-1U	TETRA.OR PERCHLOROETHENE	2	4	16
SIBW-1U	TOTAL XYLENES	0.5	1	15
SIBW-1U	TRICHLOROETHENE	10	13	16
SIBW-20U	1,1 DICHLOROETHANE	0.5	1	25
SIBW-20U	1,1 DICHLOROETHENE	0.3	2	25
SIBW-20U	1,1,1 TRICHLOROETHANE	0.5	2	25
SIBW-20U	1,2 - DICHLOROETHENE (TOTAL)	3	10	23
SIBW-20U	CARBON DISULFIDE	1	1	25
SIBW-20U	TETRA.OR PERCHLOROETHENE	0.2	2	25
SIBW-20U	TRICHLOROETHENE	28	17	25
SIBW-21U	1,1 DICHLOROETHANE	0.2	1	19
SIBW-21U	1,1,1 TRICHLOROETHANE	0.4	2	19
SIBW-21U	1,2 - DICHLOROETHENE (TOTAL)	6	12	18
SIBW-21U	TRICHLOROETHENE	53	18	19
SIBW-22U	1,2 - DICHLOROETHENE (TOTAL)	2	4	23
SIBW-22U	TRICHLOROETHENE	17	17	23
SIBW-23U	1,1 DICHLOROETHENE	9	2	8
SIBW-23U	1,2 - DICHLOROETHENE (TOTAL)	20	6	7
SIBW-23U	CHLOROFORM	2	2	8
SIBW-23U	TETRA.OR PERCHLOROETHENE	5	8	8
SIBW-23U	TRICHLOROETHENE	89	8	8
SIBW-24U	1,1 DICHLOROETHENE	4	2	8
SIBW-24U	1,2 - DICHLOROETHENE (TOTAL)	6	6	6
SIBW-24U	BENZENE	1	1	8
SIBW-24U	CHLOROFORM	2	2	8
SIBW-24U	ETHYLBENZENE	12	1	8
SIBW-24U	TETRA.OR PERCHLOROETHENE	18	7	8
SIBW-24U	TOLUENE	14	2	8
SIBW-24U	TOTAL XYLENES	60	1	7
SIBW-24U	TRICHLOROETHENE	57	8	8

Table Q-2
Summary of Volatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
SIBW-25U	1,2 - DICHLOROETHENE (TOTAL)	1	3	6
SIBW-25U	CHLOROFORM	2	2	7
SIBW-25U	TETRA. OR PERCHLOROETHENE	5	7	7
SIBW-25U	TOLUENE	2	3	7
SIBW-25U	TOTAL XYLENES	2	1	6
SIBW-25U	TRICHLOROETHENE	24	7	7
SIBW-26U	CHLOROFORM	0.6	1	6
SIBW-26U	TETRA. OR PERCHLOROETHENE	16	6	6
SIBW-27U	TETRA. OR PERCHLOROETHENE	10	6	6
SIBW-27U	TRICHLOROETHENE	1	5	6
SIBW-28U	1,2 - DICHLOROETHENE (TOTAL)	7	6	6
SIBW-28U	CHLOROFORM	3	3	7
SIBW-28U	TETRA. OR PERCHLOROETHENE	0.9	6	7
SIBW-28U	TRICHLOROETHENE	18	6	7
SIBW-29U	TETRA. OR PERCHLOROETHENE	2	1	7
SIBW-29U	TOLUENE	3	1	7
SIBW-29U	TOTAL XYLENES	5	1	6
SIBW-2U	1,1,1 TRICHLOROETHANE	0.3	2	17
SIBW-2U	CARBON DISULFIDE	4	4	17
SIBW-2U	CHLOROFORM	0.8	3	17
SIBW-2U	TETRA. OR PERCHLOROETHENE	0.6	5	17
SIBW-2U	TRICHLOROETHENE	1	1	17
SIBW-30U	CHLOROMETHANE	1	1	7
SIBW-30U	TETRA. OR PERCHLOROETHENE	14	7	7
SIBW-30U	TRICHLOROETHENE	1	1	7
SIBW-31U	TETRA. OR PERCHLOROETHENE	22	5	6
SIBW-32U	CHLOROFORM	0.8	2	6
SIBW-32U	TETRA. OR PERCHLOROETHENE	5	4	6
SIBW-32U	TRICHLOROETHENE	0.2	1	6
SIBW-33U	1,2 - DICHLOROETHENE (TOTAL)	1	3	5
SIBW-33U	CHLOROFORM	1	2	5
SIBW-33U	TETRA. OR PERCHLOROETHENE	6	4	5
SIBW-36U	1,1 DICHLOROETHANE	0.9	2	7
SIBW-36U	1,1 DICHLOROETHENE	0.6	2	7
SIBW-36U	1,1,1 TRICHLOROETHANE	0.2	1	7
SIBW-36U	1,2 - DICHLOROETHENE (TOTAL)	1	1	5
SIBW-36U	CHLOROFORM	0.8	2	7
SIBW-36U	ETHYLBENZENE	0.08	1	7
SIBW-36U	TETRA. OR PERCHLOROETHENE	15	6	7
SIBW-36U	TOLUENE	1	1	7
SIBW-36U	TRICHLOROETHENE	2	3	7
SIBW-37U	CHLOROFORM	1	1	5
SIBW-37U	ETHYLBENZENE	0.1	1	5

Table Q-2
Summary of Volatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
SIBW-37U	TETRA.OR PERCHLOROETHENE	1	3	5
SIBW-37U	TOTAL XYLENES	0.08	1	4
SIBW-37U	TRICHLOROETHENE	0.05	1	5
SIBW-39U	CHLOROMETHANE	0.1	1	5
SIBW-39U	TETRA.OR PERCHLOROETHENE	7	5	5
SIBW-3U	1,1 DICHLOROETHANE	2	12	19
SIBW-3U	1,1 DICHLOROETHENE	2	8	19
SIBW-3U	1,2 - DICHLOROETHENE (TOTAL)	3	16	19
SIBW-3U	CHLOROFORM	1	8	19
SIBW-3U	METHYLENE CHLORIDE	1	1	19
SIBW-3U	TETRA.OR PERCHLOROETHENE	5	11	19
SIBW-3U	TRICHLOROETHENE	26	18	19
SIBW-40U	1,1 DICHLOROETHANE	0.2	1	4
SIBW-40U	1,1 DICHLOROETHENE	0.06	1	4
SIBW-40U	1,2 - DICHLOROETHENE (TOTAL)	19.8	4	4
SIBW-40U	BROMODICHLOROMETHANE	0.05	1	4
SIBW-40U	CHLOROFORM	0.9	1	4
SIBW-40U	TETRA.OR PERCHLOROETHENE	2	4	4
SIBW-40U	TRICHLOROETHENE	52	4	4
SIBW-41U	1,2 - DICHLOROETHENE (TOTAL)	3.1	4	4
SIBW-41U	TETRA.OR PERCHLOROETHENE	2	4	4
SIBW-41U	TRICHLOROETHENE	18	4	4
SIBW-42U	1,2 - DICHLOROETHENE (TOTAL)	0.02	1	3
SIBW-42U	1,2 DICHLOROETHANE	18	2	3
SIBW-42U	BENZENE	180	3	3
SIBW-42U	ETHYLBENZENE	250	3	3
SIBW-42U	M,P XYLENE	5	1	1
SIBW-42U	O-XYLENE	19	1	1
SIBW-42U	TETRA.OR PERCHLOROETHENE	0.09	1	3
SIBW-42U	TOLUENE	75	3	3
SIBW-42U	TOTAL XYLENES	340	2	2
SIBW-42U	TRICHLOROETHENE	0.3	1	3
SIBW-43U	CARBON DISULFIDE	0.5	1	4
SIBW-44U	1,1 DICHLOROETHENE	6	4	7
SIBW-44U	1,1,1 TRICHLOROETHANE	0.7	4	7
SIBW-44U	1,2 - DICHLOROETHENE (TOTAL)	0.5	2	4
SIBW-44U	CARBON TETRACHLORIDE	0.4	1	7
SIBW-44U	TETRA.OR PERCHLOROETHENE	0.4	2	7
SIBW-45U	TRICHLOROETHENE	1	3	5
SIBW-46U	TETRA.OR PERCHLOROETHENE	9	3	3
SIBW-48U	1,1 DICHLOROETHENE	0.1	1	3
SIBW-48U	1,1,2,2 TETRACHLOROETHANE	0.3	1	3
SIBW-48U	1,2 - DICHLOROETHENE (TOTAL)	0.3	2	3

Table Q-2
Summary of Volatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
SIBW-48U	TETRA.OR PERCHLOROETHENE	0.5	1	3
SIBW-48U	TOLUENE	0.1	1	3
SIBW-48U	TRICHLOROETHENE	3	3	3
SIBW-49U	2BUTANONE, METHYL ETHYL KETONE	0.6	1	4
SIBW-49U	TETRA.OR PERCHLOROETHENE	0.06	1	4
SIBW-4U	BROMOFORM	0.3	1	18
SIBW-50U	TETRA.OR PERCHLOROETHENE	2	3	6
SIBW-51U	ACETONE	160	1	4
SIBW-51U	TETRA.OR PERCHLOROETHENE	59	5	6
SIBW-51U	TRICHLOROETHENE	0.1	1	6
SIBW-52U	TETRA.OR PERCHLOROETHENE	7	2	7
SIBW-53U	TETRA.OR PERCHLOROETHENE	0.4	1	6
SIBW-54MB	CHLOROFORM	0.5	1	3
SIBW-55MC	TETRA.OR PERCHLOROETHENE	0.2	1	1
SIBW-56MC	1,2 - DICHLOROETHENE (TOTAL)	0.4	2	2
SIBW-56MC	TETRA.OR PERCHLOROETHENE	0.3	2	3
SIBW-56MC	TOLUENE	0.6	1	3
SIBW-56MC	TRICHLOROETHENE	3	2	3
SIBW-57MC	1,2 - DICHLOROETHENE (TOTAL)	0.5	1	2
SIBW-57MC	2BUTANONE, METHYL ETHYL KETONE	33	2	3
SIBW-57MC	CHLOROFORM	1	1	3
SIBW-57MC	TETRA.OR PERCHLOROETHENE	0.4	1	3
SIBW-57MC	TRICHLOROETHENE	6	2	3
SIBW-58MC	1,1 DICHLOROETHENE	0.6	1	1
SIBW-58MC	1,2 - DICHLOROETHENE (TOTAL)	2	1	1
SIBW-58MC	CHLOROMETHANE	0.8	1	1
SIBW-58MC	TETRA.OR PERCHLOROETHENE	0.8	1	1
SIBW-58MC	TRICHLOROETHENE	12	1	1
SIBW-5U	1,1 DICHLOROETHANE	2	7	20
SIBW-5U	1,1 DICHLOROETHENE	32	12	20
SIBW-5U	1,1,1 TRICHLOROETHANE	0.7	5	20
SIBW-5U	1,2 - DICHLOROETHENE (TOTAL)	198	17	17
SIBW-5U	1,2 DICHLOROETHANE	0.1	1	20
SIBW-5U	BROMODICHLOROMETHANE	0.4	1	20
SIBW-5U	CHLOROFORM	4	6	20
SIBW-5U	METHYLENE CHLORIDE	5	2	20
SIBW-5U	TETRA.OR PERCHLOROETHENE	35	16	20
SIBW-5U	TRICHLOROETHENE	540	18	20
SIBW-6U	1,1 DICHLOROETHANE	1	6	15
SIBW-6U	1,1 DICHLOROETHENE	1	4	15
SIBW-6U	1,1,1 TRICHLOROETHANE	0.3	2	15
SIBW-6U	1,2 - DICHLOROETHENE (TOTAL)	3	7	15

Table Q-2
Summary of Volatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
SIBW-6U	CHLOROFORM	0.8	3	15
SIBW-6U	CHLOROMETHANE	1	1	15
SIBW-6U	TETRA. OR PERCHLOROETHENE	21	14	15
SIBW-6U	TOLUENE	0.2	1	15
SIBW-6U	TRICHLOROETHENE	1	5	15
SIBW-7U	1,1,1 TRICHLOROETHANE	0.2	1	15
SIBW-7U	TRICHLOROETHENE	0.4	1	15
SIBW-9U	CARBON DISULFIDE	0.3	1	16
SIBW-9U	CHLOROFORM	0.3	1	16
SLMW501	1,2 DICHLOROETHANE	3.5	1	5
SLMW501	BENZENE	5.8	1	5
SLMW501	CHLOROFORM	2	2	5
SLMW501	ETHYLBENZENE	33.6	2	5
SLMW501	TOLUENE	8.1	1	5
SLMW501	TOTAL XYLENES	11.3	2	5
SLMW502	CHLOROFORM	3	5	5
SLMW502	TETRA. OR PERCHLOROETHENE	0.8	1	5
SLMW503	1,2 DICHLOROETHANE	0.2	1	5
SLMW503	CHLOROFORM	2.2	5	5
SLMW504	1,1 DICHLOROETHANE	0.9	1	5
SLMW504	1,2 DICHLOROETHANE	0.7	2	5
SLMW504	BENZENE	4.3	4	5
SLMW504	CHLOROFORM	1.8	4	5
SLMW504	ETHYLBENZENE	71.1	3	5
SLMW504	TETRA. OR PERCHLOROETHENE	0.4	1	5
SLMW504	TOLUENE	6	3	5
SLMW504	TOTAL XYLENES	163.2	2	5
SLMW505	CHLOROFORM	3	5	5
SLMW505	TETRA. OR PERCHLOROETHENE	0.5	1	5
SLMW703	1,2 DICHLOROETHANE	0.7	2	7
SLMW703	CHLOROFORM	1.9	7	7
SLMW703	TETRA. OR PERCHLOROETHENE	0.7	1	4
SLMW704	1,1 DICHLOROETHENE	0.7	2	4
SLMW704	1,1,1 TRICHLOROETHANE	0.2	1	7
SLMW704	1,2 DICHLOROETHANE	1.4	1	7
SLMW704	BROMODICHLOROMETHANE	0.4	1	7
SLMW704	CHLOROFORM	6.4	6	7
SLMW704	O-XYLENE	1.6	1	7
SLMW704	TETRA. OR PERCHLOROETHENE	1	2	4
SLMW704	TOTAL XYLENES	2.6	1	4
SLMW704	TRICHLOROETHENE	0.3	1	7
SLMW704	TRICHLOROFLUOROMETHANE	0.4	1	7
SLMW705	1,2 DICHLOROETHANE	12.3	5	7

Table Q-2
Summary of Volatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
SLMW705	BENZENE	2.6	2	7
SLMW705	BROMODICHLOROMETHANE	0.4	1	7
SLMW705	BROMOFORM	0.9	1	7
SLMW705	CHLOROFORM	3.2	7	7
SLMW705	TETRA, OR PERCHLOROETHENE	0.5	3	4
SLMW705	TOTAL XYLENES	7.2	1	4
SLMW705	TRICHLOROETHENE	0.3	2	7
SLMW706	CHLOROFORM	1.9	7	7
SLMW706	TETRA, OR PERCHLOROETHENE	0.4	1	4
SLMW706	TRICHLOROETHENE	0.2	1	7
TRI-CITY	1,1,1 TRICHLOROETHANE	0.5	1	17
TRI-CITY	CHLOROFORM	2	2	17
TRI-CITY	METHYLENE CHLORIDE	6	1	16
TRI-CITY	TRICHLOROFLUOROMETHANE	0.5	1	10
V&P	1,1,1 TRICHLOROETHANE	0.8	1	16
V&P	TRICHLOROFLUOROMETHANE	0.5	1	12
WMW-1	METHYLENE CHLORIDE	1	2	6
WMW-1	TOTAL XYLENES	0.4	1	6
WMW-3	1,1,1 TRICHLOROETHANE	0.3	1	15
WMW-3	METHYLENE CHLORIDE	1	1	15
WMW-4	ACETONE	2	1	15
WMW-4	CARBON DISULFIDE	0.6	1	15
WMW-4	METHYLENE CHLORIDE	3	2	17
WMW-4	TOLUENE	0.6	1	17
WMW-4	TOTAL XYLENES	0.4	1	16
WMW-5	BENZENE	28	1	6
WMW-5	BROMODICHLOROMETHANE	0.5	1	7
WMW-5	CHLOROFORM	3	1	7
WMW-5	DIBROMOCHLOROMETHANE	0.8	1	7
WMW-5	ETHYLBENZENE	4	2	6
WMW-5	TOLUENE	48	2	6
WMW-5	TOTAL XYLENES	28	2	5
WMW-5	TRICHLOROETHENE	0.6	1	7
WMW-6	CHLOROFORM	2	2	10

Table Q-3

Summary of Semivolatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
23.2.9	N-NITROSODIPHENYLAMINE	5	1	1
24.3.3	BIS(2-ETHYLHEXYL)PHTHALATE	5	1	2
24.3.3	N-NITROSODIPHENYLAMINE	7	1	2
APS#1	BIS(2-ETHYLHEXYL)PHTHALATE	10	1	1
APS#1	PHENOL	1	1	1
APS#4	PHENOL	1	1	1
EXH-1	1,2,4-TRIMETHYL BENZENE	16	1	2
EXH-1	NAPTHALENE	5.2	1	2
EXH-2	1,2,4-TRIMETHYL BENZENE	37	1	2
EXH-2	N-PROPYL BENZENE	2.5	1	2
EXH-2	NAPTHALENE	28	1	2
EXH-3	1,2,4-TRIMETHYL BENZENE	13	1	1
EXH-3	ISOPROPYL BENZENE	13	1	1
EXH-3	N-PROPYL BENZENE	25	1	1
EXH-3	NAPTHALENE	64	1	1
EXH-3	S-BUTYL BENZENE	9.1	1	1
EXVW-1	1,3,5-TRIMETHYL BENZENE	100	1	2
EXVW-1	N-BUTYL BENZENE	49	2	2
EXVW-1	N-PROPYL BENZENE	35	1	2
EXVW-1	NAPTHALENE	100	2	2
EXVW-1	T-BUTYL BENZENE	411	2	2
EXVW-3	1,3,5-TRIMETHYL BENZENE	89	1	1
EXVW-3	N-BUTYL BENZENE	28	1	1
EXVW-3	N-PROPYL BENZENE	33	1	1
EXVW-3	NAPTHALENE	79	1	1
EXVW-3	T-BUTYL BENZENE	400	1	1
EXXON-1	1,3,5-TRIMETHYL BENZENE	1.4	1	2
EXXON-1	ISOPROPYL BENZENE	0.6	1	2
EXXON-1	N-BUTYL BENZENE	1.5	1	2
EXXON-1	NAPTHALENE	3.5	1	2
EXXON-1	S-BUTYL BENZENE	1.6	1	2
EXXON-1	T-BUTYL BENZENE	13	2	2
EXXON-3	N-BUTYL BENZENE	1.2	1	2
EXXON-3	NAPTHALENE	2.6	1	2
EXXON-3	T-BUTYL BENZENE	8.9	1	2
HRLF-2	PHENOL	0.01	1	2
MOB1SV1	1,2,4-TRIMETHYL BENZENE	2100	1	1
MOB1SV1	1,3,5-TRIMETHYL BENZENE	1000	1	1
MOB1SV1	NAPTHALENE	1100	1	1
MOB1SV1	S-BUTYL BENZENE	290	1	1
MOBIL1-1	1,2,4-TRIMETHYL BENZENE	2.2	3	4
MOBIL1-1	NAPTHALENE	1.4	3	4
MOBIL1-2	1,2,4-TRIMETHYL BENZENE	1.8	2	3
MOBIL1-2	NAPTHALENE	1	2	3
MOBIL1-3	1,2,4-TRIMETHYL BENZENE	1.1	1	5
MOBIL1-3	NAPTHALENE	0.68	1	5
MOBIL1-4	1,2,4-TRIMETHYL BENZENE	1.7	2	3
MOBIL1-4	NAPTHALENE	0.87	1	3
MOBIL2-1	1,2,4-TRIMETHYL BENZENE	3100	7	9
MOBIL2-1	1,3,5-TRIMETHYL BENZENE	1000	5	9
MOBIL2-1	ISOPROPYL BENZENE	25	2	9
MOBIL2-1	N-BUTYL BENZENE	2000	7	9

Table Q-3

Summary of Semivolatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
MOBIL2-1	N-PROPYL BENZENE	300	3	8
MOBIL2-1	NAPTHALENE	4300	7	9
MOBIL2-1	S-BUTYL BENZENE	21	1	9
MOBIL2-1	T-BUTYL BENZENE	690	2	9
MOBIL2-2	1,2,4-TRIMETHYL BENZENE	80	6	11
MOBIL2-2	1,3,5-TRIMETHYL BENZENE	150	3	11
MOBIL2-2	ISOPROPYL BENZENE	8	5	11
MOBIL2-2	N-BUTYL BENZENE	91	8	11
MOBIL2-2	N-PROPYL BENZENE	20	4	10
MOBIL2-2	NAPTHALENE	90	7	11
MOBIL2-2	S-BUTYL BENZENE	5.1	3	11
MOBIL2-2	T-BUTYL BENZENE	440	3	11
MOBIL2-3	1,2,4-TRIMETHYL BENZENE	95	5	10
MOBIL2-3	1,3,5-TRIMETHYL BENZENE	300	4	10
MOBIL2-3	ISOPROPYL BENZENE	280	4	10
MOBIL2-3	N-BUTYL BENZENE	210	6	10
MOBIL2-3	N-PROPYL BENZENE	640	3	10
MOBIL2-3	NAPTHALENE	220	7	10
MOBIL2-3	S-BUTYL BENZENE	4	1	10
MOBIL2-3	T-BUTYL BENZENE	1500	4	10
MOBIL2-4	1,2,4-TRIMETHYL BENZENE	1100	6	11
MOBIL2-4	1,3,5-TRIMETHYL BENZENE	400	6	11
MOBIL2-4	ISOPROPYL BENZENE	100	7	11
MOBIL2-4	N-BUTYL BENZENE	240	10	11
MOBIL2-4	N-PROPYL BENZENE	200	3	11
MOBIL2-4	NAPTHALENE	350	10	11
MOBIL2-4	S-BUTYL BENZENE	6	3	11
MOBIL2-4	T-BUTYL BENZENE	340	4	11
MOBIL2-5	1,2,4-TRIMETHYL BENZENE	2700	7	10
MOBIL2-5	1,3,5-TRIMETHYL BENZENE	780	5	10
MOBIL2-5	ISOPROPYL BENZENE	90	3	10
MOBIL2-5	N-BUTYL BENZENE	890	6	10
MOBIL2-5	N-PROPYL BENZENE	220	2	10
MOBIL2-5	NAPTHALENE	720	9	10
MOBIL2-5	S-BUTYL BENZENE	1.6	1	10
MOBIL2-5	T-BUTYL BENZENE	1500	4	10
MOBIL2-6	1,2,4-TRIMETHYL BENZENE	4.7	5	9
MOBIL2-6	1,3,5-TRIMETHYL BENZENE	0.93	2	9
MOBIL2-6	NAPTHALENE	2.2	5	9
NESBITT	BIS(2-ETHYLHEXYL)PHTHALATE	9	1	1
NESBITT	N-NITROSODIPHENYLAMINE	7	1	1
NW-3	BIS(2-ETHYLHEXYL)PHTHALATE	5.4	1	2
PHHW-2	1,2,4-TRIMETHYL BENZENE	1100	1	1
PHHW-2	ISOPROPYL BENZENE	80	1	1
PHHW-2	N-BUTYL BENZENE	280	1	1
PHHW-2	NAPTHALENE	320	1	1
PHHW-3	ISOPROPYL BENZENE	51	1	1
PHHW-3	N-BUTYL BENZENE	140	1	1
PHHW-3	NAPTHALENE	250	1	1
PHHW-4	1,3,5-TRIMETHYL BENZENE	20	1	2
PHHW-4	ISOPROPYL BENZENE	24	1	2
PHHW-4	N-BUTYL BENZENE	10	1	2

Table Q-3

Summary of Semivolatile Organic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
PHHW-4	N-PROPYL BENZENE	20	1	2
PHHW-4	NAPTHALENE	58	2	2
PHHW-4	S-BUTYL BENZENE	10	1	2
SIBW-10U	3,3'-DICHLOROBENZIDINE	20	1	1
SIBW-10U	3-NITROANILINE	50	1	1
SIBW-10U	BENZOIC ACID	50	1	1
SIBW-19U	TERT-BUTYL METHYL ETHER	3	1	18
SIBW-1U	2,4-DINITROPHENOL	50	1	1
SIBW-1U	3,3'-DICHLOROBENZIDINE	20	1	1
SIBW-1U	BENZOIC ACID	50	1	1
SIBW-20U	TERT-BUTYL METHYL ETHER	23	7	16
SIBW-21U	TERT-BUTYL METHYL ETHER	95	8	12
SIBW-22U	TERT-BUTYL METHYL ETHER	25	5	16
SIBW-2U	2,4-DINITROPHENOL	50	1	1
SIBW-2U	3,3'-DICHLOROBENZIDINE	20	1	1
SIBW-2U	BENZOIC ACID	50	1	1
SIBW-36U	BIS(2-ETHYLHEXYL)PHTHALATE	0.7	1	2
SIBW-36U	PHENOL	1	1	2
SIBW-37U	BIS(2-ETHYLHEXYL)PHTHALATE	0.7	1	1
SIBW-37U	PHENOL	4	1	1
SIBW-3U	2,4-DINITROPHENOL	50	1	1
SIBW-3U	BENZOIC ACID	50	1	1
SIBW-3U	BUTYLBENZYLPHTHALATE	20	1	1
SIBW-4U	2,4-DINITROPHENOL	50	1	1
SIBW-4U	3,3'-DICHLOROBENZIDINE	20	1	1
SIBW-4U	BENZOIC ACID	50	1	1
SIBW-50U	TERT-BUTYL METHYL ETHER	13	1	1
SIBW-51U	TERT-BUTYL METHYL ETHER	24	1	1
SIBW-52U	TERT-BUTYL METHYL ETHER	30	1	1
SIBW-53U	TERT-BUTYL METHYL ETHER	21	2	2
SIBW-54MB	4-METHYLPHENOL	0.6	1	1
SIBW-6U	2,4-DINITROPHENOL	50	1	1
SIBW-6U	3,3'-DICHLOROBENZIDINE	20	1	1
SIBW-6U	BENZOIC ACID	50	1	1
SIBW-7U	2,4-DINITROPHENOL	50	1	1
SIBW-7U	3,3'-DICHLOROBENZIDINE	20	1	1
SIBW-7U	BENZOIC ACID	50	1	1
SIBW-8U	2,4-DINITROPHENOL	50	1	2
SIBW-8U	3,3'-DICHLOROBENZIDINE	20	1	2
SIBW-8U	BENZOIC ACID	50	1	2
SIBW-9U	2,4-DINITROPHENOL	50	1	1
SIBW-9U	3,3'-DICHLOROBENZIDINE	20	1	1
SIBW-9U	BENZOIC ACID	50	1	1
TRI-CITY	BIS(2-ETHYLHEXYL)PHTHALATE	7	1	1
TRI-CITY	N-NITROSODIPHENYLAMINE	6	1	1
V&P	BIS(2-ETHYLHEXYL)PHTHALATE	13	3	3
V&P	N-NITROSODIPHENYLAMINE	8	2	3
WMW-3	PHENOL	1	1	1

Table Q-4
Summary of Pesticide and PCB Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
DM-2	0-DEMETON	1.2	1	1
DM-2	DELTA BHC	0.22	1	1
SIBW-20U	ALPHA-CHLORDANE	0.04	1	1
SIBW-20U	GAMMA-CHLORDANE	0.04	1	1
SIBW-22U	4-4'-DDT	0.08	1	1
SIBW-22U	ALPHA-CHLORDANE	0.03	1	1
SIBW-22U	GAMMA-CHLORDANE	0.03	1	1
WMW-5	4,4-DDT	0.46	1	1
WMW-5	DELTA BHC	1.1	1	1
WMW-5	ENDRIN	0.32	1	1
WMW-5	HEPTACHLOR EPOXIDE	0.39	1	1

Table Q-5
Summary of Nitrosamine Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (mg/l)	Number of Detections	Number of Times Analyzed
23,2.9	N-NITROSODIPHENYLAMINE	5	1	1
24.3,3	N-NITROSO-DI-N-PROPYLAMINE	10	1	1
24.3,3	N-NITROSODIMETHYLAMINE	20	1	1
24.3,3	N-NITROSODIPHENYLAMINE	10	2	2
NESBITT	N-NITROSODIPHENYLAMINE	7	1	1
NW-1	N-NITROSO-DI-N-PROPYLAMINE	10	1	1
NW-1	N-NITROSODIMETHYLAMINE	20	1	1
NW-1	N-NITROSODIPHENYLAMINE	10	1	1
NW-2	N-NITROSO-DI-N-PROPYLAMINE	10	1	1
NW-2	N-NITROSODIMETHYLAMINE	20	1	1
NW-2	N-NITROSODIPHENYLAMINE	10	2	2
NW-3	N-NITROSO-DI-N-PROPYLAMINE	10	2	2
NW-3	N-NITROSODIMETHYLAMINE	20	2	2
NW-3	N-NITROSODIPHENYLAMINE	10	2	2
SIBW-10U	N-NITROSO-DI-N-PROPYLAMINE	10	1	1
SIBW-10U	N-NITROSODIPHENYLAMINE	10	1	1
SIBW-1U	N-NITROSO-DI-N-PROPYLAMINE	10	1	1
SIBW-1U	N-NITROSODIPHENYLAMINE	10	1	1
SIBW-2U	N-NITROSO-DI-N-PROPYLAMINE	10	1	1
SIBW-2U	N-NITROSODIPHENYLAMINE	10	1	1
SIBW-3U	N-NITROSO-DI-N-PROPYLAMINE	10	1	1
SIBW-3U	N-NITROSODIPHENYLAMINE	10	1	1
SIBW-4U	N-NITROSO-DI-N-PROPYLAMINE	10	1	1
SIBW-4U	N-NITROSODIPHENYLAMINE	10	1	1
SIBW-6U	N-NITROSO-DI-N-PROPYLAMINE	10	1	1
SIBW-6U	N-NITROSODIPHENYLAMINE	10	1	1
SIBW-7U	N-NITROSO-DI-N-PROPYLAMINE	10	1	1
SIBW-7U	N-NITROSODIPHENYLAMINE	10	1	1
SIBW-9U	N-NITROSO-DI-N-PROPYLAMINE	10	1	1
SIBW-9U	N-NITROSODIPHENYLAMINE	10	1	1
TRI-CITY	N-NITROSODIPHENYLAMINE	6	1	1
V&P	N-NITROSO-DI-N-PROPYLAMINE	10	1	1
V&P	N-NITROSODIMETHYLAMINE	20	1	1
V&P	N-NITROSODIPHENYLAMINE	10	1	3

Table Q-6
Summary of BTEX Aromatic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
APS#1	TOLUENE	0.4	1	17
APS#4	TOLUENE	0.6	2	12
APS#4	TOTAL XYLENES	0.9	1	12
BROCK	STYRENE	0.2	1	8
BROCK	TOTAL XYLENES	0.3	1	15
EXH-1	BENZENE	89	1	2
EXH-1	STYRENE	42	1	2
EXH-1	TOLUENE	270	1	2
EXH-1	TOTAL XYLENES	65	1	2
EXH-2	BENZENE	150	1	2
EXH-2	N-PROPYL BENZENE	2.5	1	2
EXH-2	STYRENE	77	1	2
EXH-2	TOLUENE	300	1	2
EXH-2	TOTAL XYLENES	100	1	2
EXH-3	BENZENE	250	1	1
EXH-3	ISOPROPYL BENZENE	13	1	1
EXH-3	N-PROPYL BENZENE	25	1	1
EXH-3	TOLUENE	19	1	1
EXH-3	TOTAL XYLENES	76	1	1
EXVW-1	1,3,5-TRIMETHYL BENZENE	100	1	2
EXVW-1	BENZENE	470	2	2
EXVW-1	N-BUTYL BENZENE	49	2	2
EXVW-1	N-PROPYL BENZENE	35	1	2
EXVW-1	TOLUENE	1240	2	2
EXVW-1	TOTAL XYLENES	1250	2	2
EXVW-3	1,3,5-TRIMETHYL BENZENE	89	1	1
EXVW-3	BENZENE	340	1	1
EXVW-3	N-BUTYL BENZENE	28	1	1
EXVW-3	N-PROPYL BENZENE	33	1	1
EXVW-3	TOLUENE	1220	1	1
EXVW-3	TOTAL XYLENES	1030	1	1
EXXON-1	1,3,5-TRIMETHYL BENZENE	1.4	1	2
EXXON-1	BENZENE	41	5	5
EXXON-1	ISOPROPYL BENZENE	0.6	1	2
EXXON-1	N-BUTYL BENZENE	1.5	1	2
EXXON-1	TOLUENE	67	5	5
EXXON-1	TOTAL XYLENES	68	5	5
EXXON-3	BENZENE	5.7	2	2
EXXON-3	N-BUTYL BENZENE	1.2	1	2
EXXON-3	TOLUENE	10	2	2
EXXON-3	TOTAL XYLENES	2.9	1	2
HRLF-1	BENZENE	7	2	5
HRLF-1	O-XYLENE	2	2	2
HRLF-1	TOLUENE	14	3	5
HRLF-1	TOTAL XYLENES	17	2	4
LAIRD#2	STYRENE	7	1	1
MOB1SV1	1,3,5-TRIMETHYL BENZENE	1000	1	1
MOB1SV1	O-XYLENE	4200	1	1
MOB1SV1	TOLUENE	3100	1	1
MOBIL1-1	BENZENE	2700	10	10

Table Q-6
Summary of BTEX Aromatic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
MOBIL1-1	O-XYLENE	4.4	3	4
MOBIL1-1	TOLUENE	130	9	10
MOBIL1-1	TOTAL XYLENES	710	6	6
MOBIL1-2	BENZENE	660	7	8
MOBIL1-2	O-XYLENE	2.4	2	3
MOBIL1-2	TOLUENE	1700	7	8
MOBIL1-2	TOTAL XYLENES	1000	5	5
MOBIL1-3	BENZENE	1200	7	10
MOBIL1-3	O-XYLENE	1.8	2	5
MOBIL1-3	TOLUENE	3000	7	10
MOBIL1-3	TOTAL XYLENES	1720	5	5
MOBIL1-4	BENZENE	200	4	5
MOBIL1-4	O-XYLENE	2.8	2	3
MOBIL1-4	TOLUENE	94	4	5
MOBIL1-4	TOTAL XYLENES	1200	2	2
MOBIL2-1	1,3,5-TRIMETHYL BENZENE	1000	5	9
MOBIL2-1	BENZENE	7400	12	13
MOBIL2-1	ISOPROPYL BENZENE	25	2	9
MOBIL2-1	M-XYLENE	4900	5	5
MOBIL2-1	N-BUTYL BENZENE	2000	7	9
MOBIL2-1	N-PROPYL BENZENE	300	3	8
MOBIL2-1	O-XYLENE	3700	8	9
MOBIL2-1	P-XYLENE	4900	5	5
MOBIL2-1	TOLUENE	3000	12	13
MOBIL2-1	TOTAL XYLENES	12000	4	4
MOBIL2-2	1,3,5-TRIMETHYL BENZENE	150	3	11
MOBIL2-2	BENZENE	1000	13	14
MOBIL2-2	ISOPROPYL BENZENE	8	5	11
MOBIL2-2	M-XYLENE	400	5	6
MOBIL2-2	N-BUTYL BENZENE	91	8	11
MOBIL2-2	N-PROPYL BENZENE	20	4	10
MOBIL2-2	O-XYLENE	430	9	11
MOBIL2-2	P-XYLENE	400	5	6
MOBIL2-2	TOLUENE	220	12	14
MOBIL2-2	TOTAL XYLENES	890	3	3
MOBIL2-3	1,3,5-TRIMETHYL BENZENE	300	4	10
MOBIL2-3	BENZENE	2400	11	13
MOBIL2-3	ISOPROPYL BENZENE	280	4	10
MOBIL2-3	M-XYLENE	1600	4	5
MOBIL2-3	N-BUTYL BENZENE	210	6	10
MOBIL2-3	N-PROPYL BENZENE	640	3	10
MOBIL2-3	O-XYLENE	1100	7	10
MOBIL2-3	P-XYLENE	1600	4	5
MOBIL2-3	TOLUENE	800	11	13
MOBIL2-3	TOTAL XYLENES	980	3	3
MOBIL2-4	1,3,5-TRIMETHYL BENZENE	400	6	11
MOBIL2-4	BENZENE	2800	13	15
MOBIL2-4	ISOPROPYL BENZENE	100	7	11
MOBIL2-4	M-XYLENE	750	4	5
MOBIL2-4	N-BUTYL BENZENE	240	10	11

Table Q-6

Summary of BTEX Aromatic Compounds Detected in Groundwater

Well	Compound Detected	Maximum Concentration (µg/l)	Number of Detections	Number of Times Analyzed
MOBIL2-4	N-PROPYL BENZENE	200	3	11
MOBIL2-4	O-XYLENE	510	10	11
MOBIL2-4	P-XYLENE	750	4	5
MOBIL2-4	TOLUENE	1600	13	15
MOBIL2-4	TOTAL XYLENES	4100	4	4
MOBIL2-5	1,3,5-TRIMETHYL BENZENE	780	5	10
MOBIL2-5	BENZENE	1800	10	11
MOBIL2-5	ISOPROPYL BENZENE	90	3	10
MOBIL2-5	M-XYLENE	2900	5	5
MOBIL2-5	N-BUTYL BENZENE	890	6	10
MOBIL2-5	N-PROPYL BENZENE	220	2	10
MOBIL2-5	O-XYLENE	2600	8	10
MOBIL2-5	P-XYLENE	2900	5	5
MOBIL2-5	TOLUENE	2400	10	11
MOBIL2-5	TOTAL XYLENES	1600	1	1
MOBIL2-6	1,3,5-TRIMETHYL BENZENE	0.93	2	9
MOBIL2-6	BENZENE	9.1	5	9
MOBIL2-6	O-XYLENE	3.8	3	9
MOBIL2-6	TOLUENE	7.8	6	9
NESBITT	BENZENE	1.3	1	17
NESBITT	TOLUENE	10	1	17
NESBITT	TOTAL XYLENES	18	1	16
PHHW-2	BENZENE	2000	1	1
PHHW-2	ISOPROPYL BENZENE	80	1	1
PHHW-2	N-BUTYL BENZENE	280	1	1
PHHW-2	O-XYLENE	1800	1	1
PHHW-2	TOLUENE	1100	1	1
PHHW-3	BENZENE	1300	1	1
PHHW-3	ISOPROPYL BENZENE	51	1	1
PHHW-3	N-BUTYL BENZENE	140	1	1
PHHW-3	O-XYLENE	890	1	1
PHHW-3	TOLUENE	690	1	1
PHHW-4	1,3,5-TRIMETHYL BENZENE	20	1	2
PHHW-4	BENZENE	270	2	2
PHHW-4	ISOPROPYL BENZENE	24	1	2
PHHW-4	N-BUTYL BENZENE	10	1	2
PHHW-4	N-PROPYL BENZENE	20	1	2
PHHW-4	O-XYLENE	72	1	1
PHHW-4	TOLUENE	94	2	2
SIBW-10U	TOLUENE	0.7	1	16
SIBW-11MC	TOLUENE	0.7	2	16
SIBW-12L	TOLUENE	4	2	16
SIBW-13MC	TOLUENE	0.5	1	14
SIBW-14MC	TOLUENE	2	1	13
SIBW-1U	TOTAL XYLENES	0.5	1	15
SIBW-24U	BENZENE	1	1	8
SIBW-24U	TOLUENE	14	2	8
SIBW-24U	TOTAL XYLENES	60	1	7
SIBW-25U	TOLUENE	2	3	7

Table Q-7
Summary of Chemical Analyses for Inorganics and Metals
In Excess of Drinking Water Standards — Maximum Contaminant Levels
(EPA MCLs unless noted otherwise)

Constituents (µg/l)		ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	TOTAL CHROMIUM	IRON	MANGANESE	THALLIUM
MCL (µg/l)		.05-0.2[a]	.006[b]	0.05[c]	1[c]	0.004[b]	0.05[c]	0.3[a]	0.05[a]	0.002[b]
Station	Sample Date									
23.2.9	10/31/84									0.01
24.3.3	2/26/87							0.47		
APS#1	11/2/84									0.01
APS#1	6/17/88	0.094								0.01
APS#1	8/15/90	0.0564								
APS#1	11/7/90									0.01
APS#1	2/2/94	0.331						0.335		0.01
APS#2	11/2/84									
APS#4	6/13/90									0.01
APS#4	8/15/90									0.01
APS#4	11/7/90			0.082						0.01
APS#4	2/2/94									
BROCK	11/5/84									0.01
BROCK	6/13/90									0.01
BROCK	8/14/90	0.0712								0.01
BROCK	11/9/90									
COS#69	10/21/82						0.22	7	0.1	
COT#3	11/6/84									
COT#4	11/6/84									0.01
COT#4	3/29/88									
COT#7	9/7/82									0.01
COT#7	11/6/84									
DM-2	3/3/87							1.16	0.359	
DM-3	3/3/87							0.602	0.118	0.01
EXXON-1	11/12/93	0.0678								
HRLF-1	4/18/91							0.46	0.13	
HRLF-1	4/22/92	0.0691								

Table Q-7
Summary of Chemical Analyses for Inorganics and Metals
In Excess of Drinking Water Standards — Maximum Contaminant Levels
(EPA MCLs unless noted otherwise)

Constituents (µg/l)		ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	TOTAL CHROMIUM	IRON	MANGANESE	THALLIUM
MCL (µg/l)		.05-0.2[a]	.006[b]	0.05[c]	1[c]	0.004[b]	0.05[c]	0.3[a]	0.05[a]	0.002[b]
Station	Sample Date									
HRLF-1	10/14/92	0.0587								
KACHINA	11/6/84									
KACHINA	2/5/86							0.32		
KACHINA	8/14/90	0.0766								
KACHINA	11/7/90									
LAIRD#2	5/17/83							0.35		
LAIRD#2	11/5/84	0.078						0.343		
MOBIL1-1	4/6/91					0.027			0.792	
MOBIL2-1	7/9/91				2.71			2.09	3.46	
NESBITT	2/4/86									0.0022
NESBITT	4/15/92	0.0655								0.003
NESBITT	7/24/92	0.0593								
NESBITT	10/8/92									
NW-1	9/12/90							0.79		0.0169
NW-1	10/23/90							1.3		
NW-2	7/30/90							0.71		0.0074
NW-2	10/23/90							0.83		
NW-3	6/8/89									0.0024
NW-3	7/2/90									0.0037
NW-3	7/30/90									
NW-3	9/12/90									0.01
SIBW-10U	11/29/90		0.059						0.111	0.0069
SIBW-10U	7/25/91		0.0802							
SIBW-10U	4/21/92	0.118								
SIBW-10U	10/8/92									
SIBW-10U	1/4/93							0.996		
SIBW-10U	7/9/93	0.0509								

Table Q-7
Summary of Chemical Analyses for Inorganics and Metals
In Excess of Drinking Water Standards — Maximum Contaminant Levels
(EPA MCLs unless noted otherwise)

Constituents (µg/l)		ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	TOTAL CHROMIUM	IRON	MANGANESE	THALLIUM
MCL (µg/l)		.05-0.2[a]	.006[b]	0.05[c]	1[c]	0.004[b]	0.05[c]	0.3[a]	0.05[a]	0.002[b]
Station	Sample Date									
SIBW-10U	10/4/93	0.117								
SIBW-10U	2/10/94		0.0138							0.015
SIBW-10U	7/22/94	0.0732								
SIBW-11MC	4/10/91	0.0785								0.0104
SIBW-11MC	4/11/91	0.0785								
SIBW-11MC	4/17/92	0.0702								
SIBW-11MC	10/8/92									
SIBW-11MC	4/8/93									
SIBW-11MC	7/6/93	0.0562								
SIBW-11MC	7/19/94	0.0982								
SIBW-12L	5/24/91	0.636						0.563		0.0046
SIBW-12L	10/21/91									0.0037
SIBW-12L	1/14/92									
SIBW-12L	4/23/92	0.0804								
SIBW-12L	7/20/92									
SIBW-12L	10/5/92	0.0717								
SIBW-12L	1/8/93									
SIBW-12L	4/9/93									
SIBW-12L	7/7/93	0.0722								0.0066
SIBW-12L	10/12/93	0.0555								
SIBW-12L	2/11/94									0.0088
SIBW-12L	4/25/94									
SIBW-12L	7/14/94	0.0724								
SIBW-13MC	5/7/91	0.122								
SIBW-13MC	10/22/91									
SIBW-13MC	4/21/92	0.0742								
SIBW-13MC	7/24/92	0.0637								

Table Q-7
Summary of Chemical Analyses for Inorganics and Metals
In Excess of Drinking Water Standards — Maximum Contaminant Levels
(EPA MCLs unless noted otherwise)

Constituents (µg/l)		ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	TOTAL CHROMIUM	IRON	MANGANESE	THALLIUM
MCL (µg/l)		.05-0.2[a]	.006[b]	0.05[c]	1[c]	0.004[b]	0.05[c]	0.3[a]	0.05[a]	0.002[b]
Station	Sample Date									
SIBW-13MC	10/7/92									
SIBW-13MC	7/8/93	0.0518								
SIBW-13MC	4/25/94									
SIBW-13MC	7/14/94	0.0786								
SIBW-14MC	4/10/91	0.0909	0.036							0.0023
SIBW-14MC	4/11/91	0.0909								
SIBW-14MC	10/6/92							1.36		0.0094
SIBW-14MC	1/5/93							1.5		0.0061
SIBW-14MC	10/7/93		0.0192							0.0041
SIBW-14MC	7/20/94	0.0737								
SIBW-15MB	6/19/91			0.083						
SIBW-15MB	4/20/92	0.21								
SIBW-15MB	7/27/92	0.128								0.015
SIBW-15MB	10/8/92									
SIBW-15MB	4/7/93	0.0626								
SIBW-15MB	7/6/93									
SIBW-15MB	10/8/93									
SIBW-15MB	7/21/94	0.127								
SIBW-16MB	6/24/91		0.0313							
SIBW-16MB	4/23/92	0.0577								
SIBW-16MB	10/5/92	0.0531								
SIBW-16MB	4/9/93	0.194								
SIBW-16MB	7/7/93	0.0781								
SIBW-16MB	10/12/93									
SIBW-16MB	4/25/94									
SIBW-16MB	7/14/94	0.0769								
SIBW-17MB	10/22/91									

Table Q-7
Summary of Chemical Analyses for Inorganics and Metals
In Excess of Drinking Water Standards — Maximum Contaminant Levels
(EPA MCLs unless noted otherwise)

Constituents (µg/l)		ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	TOTAL CHROMIUM	IRON	MANGANESE	THALLIUM
MCL (µg/l)		.05-0.2[a]	.006[b]	0.05[c]	1[c]	0.004[b]	0.05[c]	0.3[a]	0.05[a]	0.002[b]
Station	Sample Date									
SIBW-17MB	4/18/92	0.0949								
SIBW-17MB	7/22/92	0.0939								
SIBW-17MB	10/9/92									
SIBW-17MB	7/2/93									
SIBW-17MB	10/7/93	0.122								0.01
SIBW-17MB	2/2/94									
SIBW-17MB	7/13/94	0.0935								0.0022
SIBW-18MB	4/13/92	0.0904								
SIBW-18MB	10/6/92									
SIBW-18MB	7/1/93	0.124								
SIBW-18MB	10/7/93	0.131								
SIBW-18MB	2/7/94									
SIBW-18MB	7/20/94	0.0682								
SIBW-19U	4/14/93									
SIBW-19U	7/14/93	0.135								
SIBW-19U	10/11/93	0.0918								
SIBW-1U	11/14/90								0.0839	
SIBW-1U	10/15/91									
SIBW-1U	4/17/92	0.128								
SIBW-1U	10/7/92									
SIBW-1U	10/8/93		0.0184							
SIBW-1U	7/19/94	0.104								
SIBW-20U	1/17/92	0.0572								
SIBW-20U	10/16/92									
SIBW-20U	10/11/93	0.0624								
SIBW-20U	2/9/94	0.0719	0.0167							
SIBW-21U	10/11/93	0.201								

Table Q-7
Summary of Chemical Analyses for Inorganics and Metals
In Excess of Drinking Water Standards — Maximum Contaminant Levels
(EPA MCLs unless noted otherwise)

Constituents (µg/l)		ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	TOTAL CHROMIUM	IRON	MANGANESE	THALLIUM
MCL (µg/l)		.05-0.2[a]	.006[b]	0.05[c]	1[c]	0.004[b]	0.05[c]	0.3[a]	0.05[a]	0.002[b]
Station	Sample Date									
SIBW-21U	1/17/94	0.07								
SIBW-21U	2/9/94	0.145								
SIBW-22U	10/16/92	0.086	0.0221							
SIBW-22U	4/14/93	0.129								
SIBW-22U	10/11/93	0.0743								
SIBW-22U	7/19/94								147	
SIBW-23U	3/24/93		0.0403							
SIBW-23U	7/8/93	0.184								
SIBW-23U	10/4/93	0.0985								
SIBW-23U	7/12/94	0.142								
SIBW-24U	4/6/93	0.0892								
SIBW-24U	7/8/93	0.0648								
SIBW-24U	10/5/93	0.124								
SIBW-24U	7/12/94	0.0852								
SIBW-25U	4/6/93									
SIBW-25U	10/5/93	0.0886								
SIBW-25U	7/14/94	0.067								
SIBW-26U	7/8/93	0.097								
SIBW-26U	10/12/93	0.0654								
SIBW-26U	7/14/94	0.133								
SIBW-27U	4/23/93	0.112								
SIBW-27U	7/9/93	0.0554								
SIBW-27U	10/13/93	0.0623	0.0182							
SIBW-27U	7/13/94	0.179								
SIBW-28U	7/12/93	0.0598								
SIBW-28U	7/25/94	0.099								
[illegible]9U	4/23/93									

Table Q-7
Summary of Chemical Analyses for Inorganics and Metals
In Excess of Drinking Water Standards — Maximum Contaminant Levels
(EPA MCLs unless noted otherwise)

Constituents (µg/l)		ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	TOTAL CHROMIUM	IRON	MANGANESE	THALLIUM
MCL (µg/l)		.05-0.2[a]	.006[b]	0.05[c]	1[c]	0.004[b]	0.05[c]	0.3[a]	0.05[a]	0.002[b]
Station	Sample Date									
SIBW-29U	7/12/93	0.052								
SIBW-29U	10/5/93	0.142								
SIBW-29U	4/19/94	0.106								
SIBW-29U	7/13/94	0.112								
SIBW-2U	11/5/90	0.29						0.416	0.053	
SIBW-2U	4/24/91	0.0692								
SIBW-2U	4/15/92	0.126							0.146	
SIBW-2U	4/8/93									
SIBW-2U	7/6/93	0.0877								
SIBW-2U	10/8/93								0.104	
SIBW-2U	2/4/94	0.094						0.32	0.248	
SIBW-2U	4/21/94								0.309	
SIBW-2U	7/19/94	0.11							0.275	
SIBW-30U	4/23/93									
SIBW-30U	7/9/93	0.0602								
SIBW-30U	10/13/93	0.0554	0.0219							
SIBW-30U	7/21/94	0.0732								
SIBW-31U	8/19/93	0.0945							0.0725	
SIBW-31U	10/6/93	0.111								
SIBW-31U	4/19/94	0.0676								
SIBW-31U	7/13/94							0.471		
SIBW-32U	10/6/93	0.101								
SIBW-32U	4/19/94	0.0584								
SIBW-33U	8/19/93									
SIBW-33U	10/6/93	0.0999								
SIBW-33U	2/2/94	0.122								
SIBW-33U	4/19/94	0.0529								

Table Q-7
Summary of Chemical Analyses for Inorganics and Metals
In Excess of Drinking Water Standards — Maximum Contaminant Levels
(EPA MCLs unless noted otherwise)

Constituents (µg/l)		ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	TOTAL CHROMIUM	IRON	MANGANESE	THALLIUM
MCL (µg/l)		.05-0.2[a]	.006[b]	0.05[c]	1[c]	0.004[b]	0.05[c]	0.3[a]	0.05[a]	0.002[b]
Station	Sample Date									
SIBW-33U	7/18/94	0.0611								
SIBW-36U	9/14/93									
SIBW-36U	10/13/93	0.0785								
SIBW-36U	2/4/94									
SIBW-36U	7/19/94	0.0876								
SIBW-37U	9/14/93									
SIBW-37U	10/13/93									
SIBW-37U	2/4/94									
SIBW-37U	4/22/94									
SIBW-37U	7/19/94	0.0746								
SIBW-38U	11/22/93								0.239	
SIBW-38U	2/15/94									
SIBW-38U	7/26/94	0.0673								
SIBW-39U	2/3/94									
SIBW-39U	7/18/94	0.0894								
SIBW-3U	11/28/90		0.059						0.0511	
SIBW-3U	10/16/91									
SIBW-3U	1/16/92		0.0163							
SIBW-3U	4/24/92	0.0893								
SIBW-3U	7/7/93	0.0635								
SIBW-3U	10/13/93	0.0661	0.0219							
SIBW-3U	7/14/94	0.119								
SIBW-40U	7/19/94	0.0858								
SIBW-41U	11/19/93	0.244							0.0612	
SIBW-41U	2/14/94	0.0591								
SIBW-41U	7/25/94	0.0696								
SIBW-42U	11/17/93	0.238	0.0382						1.62	

Table Q-7
Summary of Chemical Analyses for Inorganics and Metals
In Excess of Drinking Water Standards — Maximum Contaminant Levels
(EPA MCLs unless noted otherwise)

Constituents (µg/l)		ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	TOTAL CHROMIUM	IRON	MANGANESE	THALLIUM
MCL (µg/l)		.05-0.2[a]	.006[b]	0.05[c]	1[c]	0.004[b]	0.05[c]	0.3[a]	0.05[a]	0.002[b]
Station	Sample Date									
SIBW-42U	7/25/94	0.0532						0.402	1.61	
SIBW-43U	11/23/93								0.0623	
SIBW-43U	2/3/94	0.0501								
SIBW-43U	4/20/94	0.0572								
SIBW-43U	7/15/94	0.0874								
SIBW-44U	2/8/94	0.0591								
SIBW-44U	7/15/94	0.0935								
SIBW-45U	12/9/93	0.0688							0.0711	
SIBW-45U	7/15/94									
SIBW-46U	2/14/94		0.0133							
SIBW-46U	7/21/94	0.0775								
SIBW-47U	7/22/94	0.0643								
SIBW-48U	2/16/94									
SIBW-48U	7/26/94	0.0831								
SIBW-49U	2/17/94									
SIBW-49U	7/22/94	0.0599								
SIBW-4U	11/5/90	0.215								
SIBW-4U	7/25/91							0.428		
SIBW-4U	4/14/92	0.0561								
SIBW-4U	7/22/92									
SIBW-4U	7/2/93	0.063							0.0658	
SIBW-4U	10/5/93	0.128						0.405	0.0834	
SIBW-4U	2/2/94	0.0717						0.394	0.0669	
SIBW-4U	4/19/94							0.412		
SIBW-4U	7/15/94	0.095						0.506		
SIBW-50U	2/18/94									
SIBW-50U	7/15/94	0.0646								

Table Q-7
Summary of Chemical Analyses for Inorganics and Metals
In Excess of Drinking Water Standards — Maximum Contaminant Levels
(EPA MCLs unless noted otherwise)

Constituents (µg/l)		ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	TOTAL CHROMIUM	IRON	MANGANESE	THALLIUM
MCL (µg/l)		.05-0.2[a]	.006[b]	0.05[c]	1[c]	0.004[b]	0.05[c]	0.3[a]	0.05[a]	0.002[b]
Station	Sample Date									
SIBW-51U	2/18/94									
SIBW-51U	7/15/94	0.0588								
SIBW-52U	2/18/94									
SIBW-53U	2/17/94									
SIBW-54MB	5/18/94							0.302		
SIBW-54MB	7/26/94	0.101								
SIBW-55MC	8/11/94									
SIBW-56MC	7/14/94		0.0342					0.41		
SIBW-56MC	7/26/94	0.0662								
SIBW-57MC	4/28/94									
SIBW-57MC	7/22/94	0.0688								
SIBW-58MC	7/28/94									
SIBW-5U	7/26/91		0.0745							
SIBW-5U	1/20/92		0.0162							
SIBW-5U	4/23/92	0.0908								
SIBW-5U	7/24/92									
SIBW-5U	10/6/92	0.147								
SIBW-5U	7/8/93	0.068								
SIBW-5U	10/14/93	0.102								
SIBW-5U	7/21/94	0.177								
SIBW-6U	11/6/90								0.103	
SIBW-6U	7/27/91		0.0525							
SIBW-6U	4/18/92	0.222								
SIBW-6U	7/27/92									
SIBW-6U	10/7/92							0.316		
SIBW-6U	4/8/93	0.0771								
SIBW-6U	7/6/93									

Table Q-7
Summary of Chemical Analyses for Inorganics and Metals
In Excess of Drinking Water Standards — Maximum Contaminant Levels
(EPA MCLs unless noted otherwise)

Constituents (µg/l)		ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	TOTAL CHROMIUM	IRON	MANGANESE	THALLIUM
MCL (µg/l)		.05-0.2[a]	.006[b]	0.05[c]	1[c]	0.004[b]	0.05[c]	0.3[a]	0.05[a]	0.002[b]
Station	Sample Date									
SIBW-6U	10/11/93									
SIBW-6U	7/18/94	0.103								
SIBW-7U	11/12/90	0.0669							0.0553	
SIBW-7U	1/7/92		0.0198							
SIBW-7U	4/16/92	0.167								
SIBW-7U	7/7/93									
SIBW-7U	10/7/93	0.0667								
SIBW-7U	2/7/94									
SIBW-7U	7/20/94	0.102								
SIBW-8U	11/27/90		0.059						0.0984	
SIBW-8U	10/6/92									
SIBW-8U	1/5/93									
SIBW-8U	4/6/93							0.71		
SIBW-8U	7/1/93	0.0651						1.16	0.0556	
SIBW-8U	10/7/93	0.12						1.93	0.0685	
SIBW-8U	2/7/94							2.56	0.073	
SIBW-8U	4/22/94							2.5	0.0628	
SIBW-8U	7/20/94	0.077						2.35	0.0557	
SIBW-9U	11/8/90	0.105								
SIBW-9U	4/15/92	0.133								
SIBW-9U	7/9/93	0.0629								
SIBW-9U	10/12/93	0.0607	0.0218							
SIBW-9U	7/21/94	0.0665								
SRIR1	5/17/83							0.35		
SRIR106B	5/17/83							3.1		
TRI-CITY	10/17/91									
TRI-CITY	4/16/92	0.0572								

Table Q-7
Summary of Chemical Analyses for Inorganics and Metals
In Excess of Drinking Water Standards — Maximum Contaminant Levels
(EPA MCLs unless noted otherwise)

Constituents (µg/l)		ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	TOTAL CHROMIUM	IRON	MANGANESE	THALLIUM
MCL (µg/l)		.05-0.2[a]	.006[b]	0.05[c]	1[c]	0.004[b]	0.05[c]	0.3[a]	0.05[a]	0.002[b]
Station	Sample Date									
V&P	2/4/86							0.69		
V&P	6/9/88	0.055						22		
WMW-1	8/13/90	0.17								
WMW-1	11/9/90									
WMW-1	10/18/91									
WMW-3	8/13/90	0.118								
WMW-3	4/14/92	1.6						1.86		
WMW-3	10/14/92	0.106								
WMW-3	4/7/93	0.0527								
WMW-3	7/7/93	0.0504								
WMW-3	10/6/93	0.0727								
WMW-3	4/19/94	0.0523								
WMW-3	7/13/94	0.0896								
WMW-4	8/13/90	0.0902								
WMW-4	7/23/91									
WMW-4	10/17/91									
WMW-4	4/20/92	0.101								
WMW-4	4/5/93	0.051								
WMW-4	10/6/93	0.111								
WMW-4	7/18/94	0.0894								
WMW-5	3/3/87							1.08	0.155	
WMW-5	1/20/92		0.0168							
WMW-5	4/27/92	0.136								
WMW-6	4/20/92	0.125								

[a] EPA Secondary Maximum Contaminant Level (MCL).

Table Q-7
Summary of Chemical Analyses for Inorganics and Metals
In Excess of Drinking Water Standards — Maximum Contaminant Levels
(EPA MCLs unless noted otherwise)

Constituents (µg/l)	ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	TOTAL CHROMIUM	IRON	MANGANESE	THALLIUM
MCL (µg/l)	.05-0.2[a]	.006[b]	0.05[c]	1[c]	0.004[b]	0.05[c]	0.3[a]	0.05[a]	0.002[b]
Station / Sample Date									

[b] Proposed EPA Primary MCL)Effective 1/94).

[c] Arizona Department of Environmental Quality (ADEQ) MCL, September 1990.

Note: EPA Drinking Water Sandards were obtained from: *A Compilation of Water Quality Goals*, California Regional Water Quality Board, Jon B. Marshack, September 1991.

INFORMATION FROM FEBRUARY 1995 DRAFT INDIAN BEND WASH-SOUTH FINAL RI, CH_2M HILL.

NORTH INDIAN BEND WASH

Table 1

INDIAN BEND WASH MONITORING WELLS
Volatile Organic Compounds

April/May, 1996

WELL NO.	DATE COLLECTED	DATE ANALYZED	QUALITY CONTROL	TOL	DCE	PCE	CFM	TCA	TCE
AWC-9	04/04/96	04/09/96		-0.5	-0.5	11.0	2.4	-0.5	0.6
B-J	04/26/96	05/10/96		-0.5	-0.5	-0.5	1.5	-0.5	12.0
B-1UA	05/01/96	05/13/96		-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
B-3UA	05/01/96	05/13/96		-0.5	-0.5	-0.5	1.3	-0.5	-0.5
B-3UA	05/01/96	05/13/96	D	-0.5	-0.5	-0.5	1.3	-0.5	-0.5
COS-6	04/04/96	04/09/96		-0.5	-0.5	-0.5	-0.5	-0.5	40.0
COS-6	04/04/96	04/09/96	D	-0.5	-0.5	-0.5	-0.5	-0.5	40.0
COS-73	04/04/96	04/09/96		-0.5	-0.5	-0.5	-0.5	-0.5	4.1
D-1UA	04/25/96	05/08/96		-0.5	-0.5	-0.5	-0.5	-0.5	22.0
D-1UA	04/25/96	05/09/96	D	-0.5	-0.5	-0.5	-0.5	-0.5	21.0
D-2MA	05/02/96	05/13/96		-0.5	3.3	29.0	7.5	-0.5	5600.0
D-2MA	05/02/96	05/14/96	D	-0.5	3.1	31.0	7.9	-0.5	5500.0
E-1MA	04/18/96	04/25/96		-0.5	6.1	17.0	25.0	-0.5	560.0
E-1UA	04/18/96	04/26/96		-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
E-2UA	04/18/96	04/26/96		-0.5	-0.5	0.8	1.5	-0.5	1.0
E-2UA	04/18/96	04/26/96	D	-0.5	-0.5	0.6	1.5	-0.5	1.2
E-3UA	04/25/96	05/09/96		-0.5	-0.5	0.7	0.9	-0.5	2.4
E-4UA	04/25/96	05/08/96		-0.5	-0.5	-0.5	-0.5	-0.5	1.1
E-5MA	04/30/96	05/11/96		-0.5	-0.5	0.6	1.2	-0.5	20.0
E-5UA	04/30/96	05/11/96		-0.5	1.1	4.9	3.1	-0.5	43.0
E-6UA	04/23/96	05/07/96		N/A*	3.0	11.0	1.4	-0.5	18.0
E-6UA	04/23/96	05/07/96	D	N/A*	2.5	9.1	1.3	-0.5	17.0
E-6UA	05/15/96	05/22/96		-0.5	2.7	9.9	1.3	-0.5	19.0
E-6UA	05/15/96	05/23/96	D	-0.5	2.6	9.0	1.1	-0.5	17.0
E-7LA	04/30/96	05/11/96		-0.5	0.9	6.3	4.5	-0.5	85.0
E-7UA	04/30/96	05/11/96		-0.5	10.0	32.0	3.3	-0.5	61.0
E-8MA	04/26/96	05/10/96		-0.5	-0.5	-0.5	-0.5	-0.5	1.1
E-9UA	04/24/96	05/08/96		-0.5	4.3	14.0	3.2	-0.5	49.0
E-10MA	04/24/96	05/07/96		-0.5	-0.5	1.8	-0.5	-0.5	6.3
E-12UA	04/26/96	05/10/96		-0.5	-0.5	-0.5	0.9	-0.5	8.3
E-13UA	04/30/96	05/11/96		-0.5	-0.5	-0.5	1.2	-0.5	15.0
M-2MA	04/30/96	05/11/96		-0.5	-0.5	-0.5	-0.5	-0.5	1.9
M-2UA	04/30/96	05/11/96		-0.5	-0.5	0.6	1.2	-0.5	20.0
M-3UA	04/30/96	05/11/96		-0.5	-0.5	-0.5	0.8	-0.5	-0.5

Minus (-) Sign Indicates Below Reporting Limit

* Due to instrumentation failure, this constituent was not able to be analyzed within the required holding time. Well was re-sampled on May 15, 1996 (see results above).

LEGEND:

D=Duplicate Sample
TOL=Toluene (ugl)
DCE=1,1-Dichloroethene (ugl)
PCE=Tetrachloroethene (ugl)
CFM=Chloroform (ugl)
TCA=1,1,1-Trichloroethane (ugl)
TCE=Trichloroethene (ugl)

INDIAN BEND WASH MONITORING WELLS
Volatile Organic Compounds

April/May, 1996

WELL NO.	DATE COLLECTED	DATE ANALYZED	QUALITY CONTROL	TOL	DCE	PCE	CFM	TCA	TCE
M-4MA	04/26/96	05/09/96		-0.5	-0.5	1.1	2.4	-0.5	31.0
M-4UA	04/26/96	05/10/96		-0.5	0.5	11.0	1.7	-0.5	21.0
M-4UA	04/26/96	05/10/96	D	-0.5	1.0	11.0	1.7	-0.5	21.0
M-5LA	04/26/96	05/09/96		-0.5	-0.5	0.6	5.4	-0.5	3.6
M-5MA	04/26/96	05/09/96		-0.5	3.7	12.0	21.0	-0.5	330.0
M-5UA	04/26/96	05/10/96		-0.5	-0.5	0.7	-0.5	-0.5	0.9
M-6MA	04/25/96	05/08/96		-0.5	2.2	6.7	13.0	-0.5	240.0
M-7MA	04/26/96	05/09/96		-0.5	-0.5	-0.5	-0.5	-0.5	4.4
M-9MA	04/17/96	04/24/96		-0.5	2.1	3.6	3.9	-0.5	82.0
M-9MA	04/17/96	04/24/96	D	-0.5	2.0	3.5	3.7	-0.5	83.0
M-9UA	04/17/96	04/24/96		-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
M-10LA	04/16/96	04/19/96		-0.5	1.8	5.5	6.1	-0.5	160.0
M-10LA	04/16/96	04/19/96	D	-0.5	1.8	5.5	5.5	-0.5	170.0
M-10MA	04/16/96	04/19/96		-0.5	-0.5	-0.5	0.8	-0.5	17.0
M-10UA	04/16/96	04/23/96		-0.5	10.0	26.0	1.7	-0.5	44.0
M-11UA	04/16/96	04/23/96		-0.5	2.9	6.6	2.0	-0.5	13.0
M-12UA	04/17/96	04/24/96		-0.5	-0.5	-0.5	0.6	-0.5	-0.5
M-13UA	04/26/96	05/10/96		-0.5	3.3	16.0	2.1	-0.5	37.0
M-14LA	04/18/96	04/25/96		-0.5	1.6	6.7	5.2	-0.5	150.0
M-15MA	04/25/96	05/08/96		-0.5	1.0	3.4	5.7	0.5	110.0
M-15UA	04/25/96	05/09/96		-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
M-15UA	04/25/96	05/09/96	D	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
M-16LA	04/18/96	04/25/96		-0.5	-0.5	1.3	7.0	-0.5	16.0
M-16UA	04/18/96	04/26/96		-0.5	-0.5	-0.5	-0.5	-0.5	0.5
PA-5LA	04/05/96	04/10/96		-0.5	3.1	10.0	6.1	-0.5	190.0
PA-6LA	04/05/96	04/10/96		-0.5	0.9	3.4	3.2	-0.5	100.0
PA-6LA	04/05/96	04/10/96	D	-0.5	1.0	3.4	3.2	-0.5	86.0
PA-8LA	04/17/96	04/24/96		-0.5	3.6	12.0	4.2	-0.5	160.0
PA-9LA	04/16/96	04/19/96		-0.5	-0.5	1.0	0.9	-0.5	12.0
PA-10MA	04/17/96	04/24/96		-0.5	-0.5	1.0	-0.5	-0.5	13.0
PA-11LA	04/23/96	05/02/96		-0.5	2.8	12.0	2.0	-0.5	56.0
PA-12MA	04/23/96	05/02/96		-0.5	-0.5	1.8	-0.5	-0.5	160.0
PA-12MA	04/23/96	05/03/96	D	-0.5	-0.5	1.9	-0.5	-0.5	150.0
PA-13LA	04/10/96	04/11/96		-0.5	-0.5	1.1	-0.5	-0.5	62.0
PA-13LA	04/10/96	04/11/96	D	-0.5	-0.5	1.0	-0.5	-0.5	61.0

Minus (-) Sign Indicates Below Reporting Limit

LEGEND:

D=Duplicate Sample
TOL=Toluene (ugl)
DCE=1,1-Dichloroethene (ugl)
PCE=Tetrachloroethene (ugl)
CFM=Chloroform (ugl)
TCA=1,1,1-Trichloroethane (ugl)
TCE=Trichloroethene (ugl)

INDIAN BEND WASH MONITORING WELLS
Volatile Organic Compounds

April/May, 1996

WELL NO.	DATE COLLECTED	DATE ANALYZED	QUALITY CONTROL	TOL	DCE	PCE	CFM	TCA	TCE
PA-16MA	04/19/96	05/01/96		-0.5	-0.5	2.3	2.7	-0.5	63.0
PA-19LA	04/19/96	04/30/96		-0.5	1.5	5.8	3.3	0.5	130.0
PA-20MA	04/19/96	04/30/96		-0.5	-0.5	5.4	2.6	-0.5	47.0
PA-21MA	04/25/96	05/08/96		-0.5	-0.5	0.5	-0.5	-0.5	7.1
PG-3UA	04/19/96	05/01/96		-0.5	-0.5	2.4	-0.5	-0.5	1.4
PG-4MA	04/19/96	05/01/96		-0.5	-0.5	6.6	1.2	-0.5	23.0
PG-4UA	04/19/96	05/01/96		-0.5	-0.5	41.0	1.3	-0.5	19.0
PG-5MA	04/19/96	05/01/96		-0.5	-0.5	3.0	3.1	-0.5	70.0
PG-5UA	04/19/96	05/01/96		-0.5	-0.5	1.1	1.4	-0.5	21.0
PG-6MA	04/19/96	05/01/96		0.7	1.8	11.0	4.9	-0.5	180.0
PG-6UA	04/19/96	05/02/96		-0.5	-0.5	6.7	0.8	-0.5	0.9
PG-6UA	04/19/96	05/02/96	D	-0.5	-0.5	6.0	0.8	-0.5	0.7
PG-7MA	05/01/96	05/13/96		-0.5	-0.5	-0.5	1.0	-0.5	1.5
PG-8UA	04/19/96	05/01/96		-0.5	3.7	27.0	2.5	-0.5	70.0
PG-8UA	04/19/96	05/02/96	D	-0.5	4.0	26.0	2.7	-0.5	68.0
PG-10UA	05/01/96	05/13/96		-0.5	0.5	9.1	4.2	-0.5	1100.0
PG-11UA	04/23/96	05/03/96		-0.5	-0.5	0.8	2.0	-0.5	33.0
PG-12UA	04/25/96	05/09/96		-0.5	-0.5	-0.5	1.1	-0.5	11.0
PG-13UA	04/17/96	04/24/96		-0.5	-0.5	-0.5	1.0	-0.5	-0.5
PG-14UA	04/12/96	04/18/96		-0.5	-0.5	-0.5	1.0	-0.5	-0.5
PG-15UA	04/25/96	05/08/96		-0.5	-0.5	0.5	-0.5	-0.5	5.8
PG-16UA	04/23/96	05/03/96		-0.5	13.0	10.0	3.1	-0.5	150.0
PG-17UA	04/25/96	05/08/96		-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
PG-18UA	04/30/96	05/11/96		-0.5	-0.5	-0.5	0.7	-0.5	2.8
PG-18UA	04/30/96	05/11/96	D	-0.5	-0.5	-0.5	0.7	-0.5	2.8
PG-19UA	05/01/96	05/13/96		-0.5	-0.5	-0.5	1.4	-0.5	18.0
PG-20UA	04/24/96	05/08/96		-0.5	4.8	14.0	1.9	-0.5	24.0
PG-21UA	04/24/96	05/08/96		-0.5	1.9	6.3	1.1	-0.5	12.0
PG-22UA	04/25/96	05/09/96		-0.5	7.4	36.0	5.2	-0.5	130.0
PG-23MA	04/24/96	05/08/96		-1.0	-1.0	4.0	2.9	-1.0	62.0

Minus (-) Sign Indicates Below Reporting Limit

LEGEND:

D=Duplicate Sample
TOL=Toluene (ugl)
DCE=1,1-Dichloroethene (ugl)
PCE=Tetrachloroethene (ugl)
CFM=Chloroform (ugl)
TCA=1,1,1-Trichloroethane (ugl)
TCE=Trichloroethene (ugl)

INDIAN BEND WASH MONITORING WELLS
Volatile Organic Compounds

April/May, 1996

WELL NO.	DATE COLLECTED	DATE ANALYZED	QUALITY CONTROL	TOL	DCE	PCE	CFM	TCA	TCE
PG-23UA	04/24/96	05/08/96		-0.5	-0.5	4.5	0.7	-0.5	3.9
PG-24UA	04/24/96	05/08/96		-0.5	-0.5	0.8	0.7	-0.5	9.0
PG-24UA	04/24/96	05/08/96	D	-0.5	-0.5	0.7	0.7	-0.5	8.7
PG-25UA	04/24/96	05/08/96		-0.5	0.6	4.9	3.0	-0.5	41.0
PG-26UA	04/12/96	04/18/96		-0.5	-0.5	-0.5	1.4	0.8	-0.5
PG-27UA	04/12/96	04/18/96		-0.5	-0.5	0.6	-0.5	-0.5	-0.5
PG-28UA	04/23/96	05/03/96		-0.5	-0.5	1.5	1.0	-0.5	160.0
PG-29UA	04/23/96	05/07/96		N/A*	-0.5	0.5	4.4	-0.5	17.0
PG-29UA	05/15/96	05/22/96		-0.5	-0.5	-0.5	4.0	-0.5	17.0
PG-30UA	04/23/96	05/04/96		-0.5	-0.5	0.8	-0.5	-0.5	0.8
PG-31UA	04/23/96	05/03/96		-0.5	2.6	4.3	3.6	-0.5	120.0
PG-32UA	04/12/96	04/18/96		-0.5	-0.5	-0.5	0.8	0.8	-0.5
PG-32UA	04/12/96	04/18/96	D	-0.5	-0.5	-0.5	0.8	-0.5	-0.5
PG-33UA	05/01/96	05/13/96		-0.5	-0.5	0.6	1.8	-0.5	7.8
PG-34UA	05/01/96	05/13/96		-0.5	-0.5	-0.5	2.0	-0.5	1.7
PG-35UA	04/23/96	05/03/96		-0.5	-0.5	0.5	1.5	-0.5	1.0
PG-36UA	05/01/96	05/13/96		-0.5	11.0	12.0	4.0	-0.5	28.0
PG-38LA	04/24/96	05/08/96		-0.5	-0.5	28.0	1.4	-0.5	18.0
PG-39LA	04/24/96	05/08/96		-0.5	2.3	20.0	1.8	-0.5	41.0
PG-39UA	04/24/96	05/08/96		-0.5	8.3	21.0	2.6	-0.5	45.0
PG-39UA	04/24/96	05/08/96	D	-0.5	6.9	18.0	2.7	-0.5	43.0
S-1LA	04/11/96	04/12/96		-0.5	-0.5	5.0	-0.5	-0.5	-0.5
S-1MA	04/11/96	04/12/96		-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
S-2LA	04/11/96	04/11/96		-0.5	-0.5	-0.5	0.8	-0.5	2.0
S-2LA	04/11/96	04/12/96	D	-0.5	-0.5	-0.5	0.7	-0.5	2.0
S-2MA	04/11/96	04/11/96		-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
SRIR-4	05/02/96	05/14/96		-0.5	-0.5	-0.5	-0.5	-0.5	1.9
ST-1UA	04/25/96	05/09/96		-0.5	-0.5	0.6	1.2	-0.5	5.1
W-1MA	04/23/96	05/03/96		-0.5	-0.5	2.6	-0.5	-0.5	1400.0
W-2MA	04/23/96	05/02/96		-0.5	-0.5	3.1	-0.5	-0.5	1800.0
W-3UA	04/25/96	05/08/96		-0.5	-0.5	-0.5	1.0	-0.5	18.0

Minus (-) Sign Indicates Below Reporting Limit

*Due to instrumentation failure, this constituent was not able to be analyzed within the required holding time. Well was re-sampled on May 15, 1996 (see results above).

LEGEND:

D=Duplicate Sample
TOL=Toluene (ugl)
DCE=1,1-Dichloroethene (ugl)
PCE=Tetrachloroethene (ugl)
CFM=Chloroform (ugl)
TCA=1,1,1-Trichloroethane (ugl)
TCE=Trichloroethene (ugl)

.INFORMATION FROM MAY 14, 1996, CONTOUR MAPS OF APRIL 1996 GROUND-WATER LEVELS, NORTH INDIAN BEND WASH, SCOTTSDALE, ARIZONA, SOUTH PASS RESOURCES, INC.

APPENDIX G

CHEMICAL ANALYSES OF RECLAIMED WATER

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT
Latitude: _____._ Longitude: _____._
Township: 01N Range : 5E
Section : 18 Quarter :

Invnum: 100369
Permit: R-0086-07

City of Mesa - NW Rec amPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
PH	03/23/94	04/01/94	00400	EPA 150.1	AZ0061	6.50- 9.00SU	No Action Level	7.2 SU
ALKALINITY (CACO3)	03/23/94	04/01/94	00410	EPA 310.1	AZ0061	Reserved MG/L	No Action Level	120 MG/L
TOTAL NITROGEN	~~03/23/94~~ 05	/ /	00600		AZ0061	Reserved MG/L	10.0000	JAD ~~2.2~~ 3.6 MG/L
NITRATE-NITRITE AS N	03/23/94	03/31/94	00620	EPA 353.2	AZ0061	10.0000 MG/L	No Action Level	2.2 MG/L
TOTAL KJELDAHL NITROGEN	03/23/94	04/06/94	00625	EPA 351.3	AZ0061	Reserved MG/L	No Action Level	1.4 MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

TOTAL CALCIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
03/23/94	03/30/94	00916	EPA 200.7	AZ0061	47.4 MG/L	Reserved MG/L	No Action Level MG/L

TOTAL MAGNESIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
03/23/94	03/30/94	00927	EPA 200.7	AZ0061	17.8 MG/L	Reserved MG/L	No Action Level MG/L

TOTAL SODIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
03/23/94	03/30/94	00929	EPA 200.7	AZ0061	165 MG/L	Reserved MG/L	No Action Level MG/L

TOTAL POTASSIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
(95) ~~03/23/94~~ CS 25 94	06/06/94	00937	EPA 200.7	AZ0061	14.6 MG/L	Reserved MG/L	No Action Level MG/L

CHLORIDE

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
03/23/94	04/01/94	00941	EPA 325.2	AZ0061	220 MG/L	Reserved MG/L	No Action Level MG/L

TOTAL SULFATE (AS SO4)

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
03/23/94	03/29/94	00945	EPA 375.2	AZ0061	130 MG/L	Reserved MG/L	No Action Level MG/L

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Tracy L Dutton DATE 4-20-94

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT
Latitude: _____._ Longitude: _____._
Township: 01N Range : 5E
Section : 18 Quarter :

Invnum: 100369
Permit: R-0086-07

City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

YEARLY SAMPLING - YEARLY REPORTING

TOTAL ARSENIC (AS AS) — PERMIT LIMIT: 0.0500 MG/L; ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	03/28/94	01002	EPA 206.2	AZ 0061	< 0.005 MG/L

TOTAL BARIUM — PERMIT LIMIT: 1.0000 MG/L; ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	03/29/94	01007	EPA 200.7	AZ 0061	< 0.010 MG/L

TOTAL CADMIUM (AS CD) — PERMIT LIMIT: 0.0100 MG/L; ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	03/28/94	01027	EPA 213.2	AZ 0061	< 0.005 MG/L

TOTAL CHROMIUM — PERMIT LIMIT: 0.0500 MG/L; ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	03/29/94	01029	EPA 200.7	AZ 0061	< 0.010 MG/L

TOTAL LEAD (AS PB) — PERMIT LIMIT: 0.0500 MG/L; ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	03/29/94	01051	EPA 239.2	AZ 0061	< 0.002 MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

TOTAL SILVER (AS AG)

PERMIT LIMIT	ACTION LEVEL
0.0500 MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	03/29/94	01077	EPA 200.7	AZ0061	< 0.010	MG/L

TOTAL SELENIUM (AS SE)

PERMIT LIMIT	ACTION LEVEL
0.0100 MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	03/28/94	01147	EPA 270.2	AZ0061	< 0.005	MG/L

BROMODICHLORO METHANE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	32101	EPA ~~601~~ 502.2	AZ0061	4.0	UG/L

CARBON TETRACHLORIDE

PERMIT LIMIT	ACTION LEVEL
5.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	32102	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

BROMOFORM

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	32104	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

DIBROMOCHLORO METHANE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	32105	EPA ~~601~~ 502.2	AZ0061	1.0	UG/L

CHLOROFORM

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	32106	EPA ~~601~~ 502.2	AZ0061	7.0	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

TOLUENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 2000.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34010	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

BENZENE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34030	EPA ~~601~~ 502.2	AZ 0061	<0.5	UG/L

CHLORO BENZENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 60.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34301	EPA ~~601~~ 502.2	AZ 0061	<0.5	UG/L

CHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34311	EPA ~~601~~ 502.2	AZ 0061	<0.5	UG/L

ENDOSULFAN SULFATE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/04/94	34351	EPA ~~608~~ 508	AZ 0061	< 0.5	UG/L

ENDOSULFAN I — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/09/94	34361	EPA ~~608~~ 508	AZ 0061	< 0.25	UG/L

ENDRINE ALDEHYDE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/04/94	34366	EPA ~~608~~ 508	AZ 0061	<0.5	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

BROMO METHANE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34413	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

CHLORO METHANE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34418	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

METHYLENE CHLORIDE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	4.7000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34423	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

TETRACHLORO ETHENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34475	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

TRICHLOROFLUORO METHANE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34488	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

1,1-DICHLORO ETHANE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34496	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

1,1-DICHLORO ETHENE

PERMIT LIMIT	ACTION LEVEL
7.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34501	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

1,1,1-TRICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 200.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34506	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

1,1,2-TRICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34511	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

1,1,2,2-TETRACHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34516	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

1,2-DICHLORO ETHANE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34531	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

1,2-DICHLORO BENZENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 620.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34536	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

1,2-DICHLORO PROPANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34541	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

1,3-DICHLORO BENZENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34566	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

2-CHLOROETHYLVINYL ETHER

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/25/94	06/06/94	34576	EPA 601	AZ0061	< 0.5	UG/L

DICHLORODIFLUORO METHANE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34668	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

PCB-1016

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	03/31/94	34671	EPA ~~608~~ 508	AZ0061	< 0.5	UG/L

TRANS-1,3-DICHLORO PROPENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34699	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

CIS-1,3-DICHLORO PROPENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34704	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

1,4-DICHLORO BENZENE

PERMIT LIMIT	ACTION LEVEL
75.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	34751	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

ETHYL BENZENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	680.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	37371	EPA ~~601~~ 502.2	AZ0061	<0.5	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

ENDOSULFAN II

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	03/31/94	39010	EPA ~~608~~ 508	AZ 0061	< 0.1 UG/L	UG/L

ALDICARB

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	9.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/01/94	39053	EPA 531.1	AZ 0061	< 2.0 UG/L	UG/L

ALACHLOR

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	0.1500

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/04/94	39161	EPA ~~608~~ 508	AZ 0061	< 1.0 UG/L	UG/L

VINYL CHLORIDE

PERMIT LIMIT	ACTION LEVEL
2.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	39175	EPA ~~601~~ 502.2	AZ 0061	< 0.5 UG/L	UG/L

TRICHLORO ETHENE

PERMIT LIMIT	ACTION LEVEL
5.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	39180	EPA ~~601~~ 502.2	AZ 0061	< 0.5 UG/L	UG/L

ALDRIN

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	03/31/94	39330	EPA ~~608~~ 508	AZ 0061	< 0.05 UG/L	UG/L

GAMMA- BHC (LINDANE)

PERMIT LIMIT	ACTION LEVEL
4.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	03/31/94	39344	EPA ~~608~~ 508	AZ 0061	< 0.05 UG/L	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

CHLORDANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/04/94	39350	EPA 608	AZ 0061	< 0.25 UG/L	UG/L

DIELDRIN — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	03/31/94	39380	EPA ~~608~~ 508	AZ 0061	< 0.1 UG/L	UG/L

ENDRIN — PERMIT LIMIT: 0.2000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/04/94	39390	EPA ~~608~~ 508	AZ 0061	< 0.1 UG/L	UG/L

ETHION — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/06/94	39398	EPA 614	AZ 0061	< 2.0 UG/L	UG/L

TOXAPHENE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/04/94	39400	EPA ~~608~~ 508	AZ 0061	< 1.0 UG/L	UG/L

HEPTACHLOR — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/04/94	39410	EPA ~~608~~ 508	AZ 0061	< 0.05 UG/L	UG/L

HEPTACHLOR EPOXIDE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/04/94	39420	EPA ~~608~~ 508	AZ 0061	< 0.05 UG/L	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

METHOXYCHLOR — PERMIT LIMIT: 100.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	03/31/94	39480	EPA ~~608~~ 508	AZ0061	<0.5 UG/L

PCB-1221 — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	03/31/94	39488	EPA ~~608~~ 508	AZ 0061	<0.5 UG/L

PCB-1232 — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	03/31/94	39492	EPA ~~608~~ 508	AZ 0061	<0.5 UG/L

PCB-1242 — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	03/31/94	39496	EPA ~~608~~ 508	AZ 0061	<0.5 UG/L

PCB-1248 — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	03/31/94	39500	EPA ~~608~~ 508	AZ 0061	<0.5 UG/L

PCB-1254 — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	03/31/94	39504	EPA ~~608~~ 508	AZ 0061	<0.5 UG/L

PCB-1260 — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	03/31/94	39508	EPA ~~608~~ 508	AZ 0061	<0.5 UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

DIAZINON — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	04/06/94	39570	EPA 614	AZ 0061	< 2.0 UG/L

TOTAL PCB'S — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	04/04/94	395PC	508	AZ 0061	< 2.5 UG/L

METHYL PARATHION — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	04/06/94	39600	EPA 614	AZ 0061	< 2.0 UG/L

ETHYL PARATHION — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	04/06/94	46315	EPA 614	AZ 0061	< 2.0 UG/L

TOTAL MERCURY (AS HG) — PERMIT LIMIT: 0.0020 MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	03/30/94	71900	EPA 245.1	AZ 0061	< 0.0002 MG/L

TOTAL XYLENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 440.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	04/02/94	81551	EPA 502.2	AZ 0061	< 0.5 UG/L

2,4- D — PERMIT LIMIT: 100.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
03/23/94	04/05/94	81769	EPA 515	AZ 0061	0.5 UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

TRIHALO METHANE (TTHM)

PERMIT LIMIT	ACTION LEVEL
100.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/02/94	82080	EPA ~~602~~ 502.2	AZ 0061	5.0	UG/L

DISULFOTON

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/06/94	99912	EPA 614	AZ 0061	< 2.0	UG/L

MALATHION

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/06/94	99917	EPA 614	AZ 0061	< 2.0	UG/L

ETHYLENE DIBROMIDE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	03/28/94	99978	EPA 504.1	AZ 0061	< 0.01	UG/L

AZINPHOS METHYL

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/06/94	99979	EPA 614	AZ 0061	< 3.0	UG/L

o- DEMETON

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
03/23/94	04/06/94	99997	EPA 614	AZ 0061	< 2.0	UG/L

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Gary J. Smith DATE 6-16-94

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT
Latitude: _____._ Longitude: _____._
Township: 01N Range : 5E
Section : 18 Quarter :

Invnum: 100369
Permit: R-0086-07

City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

PH — PERMIT LIMIT: 6.50- 9.00SU — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/19/94	00400	EPA 150.1	AZ 0162	7.3	SU

ALKALINITY (CACO3) — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	00410	EPA 310.1	AZ 0162	170.	MG/L

TOTAL NITROGEN — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: 10.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	12/06/94	00600	CALCULATION	AZ 0162	2.4	MG/L

NITRATE ~~NITRITE~~ AS N — PERMIT LIMIT: 10.0000 MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/19/94	00620	EPA ~~353.2~~ 300.0	AZ 0162	2.4	MG/L

TOTAL KJELDAHL NITROGEN — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	12/06/94	00625	EPA ~~351.3~~ 351.2	AZ 0162	ND <1.	MG/L

NITRITE (N) 11/18/94 11/19/94 — EPA 300.0 AZ 0162 — ND <0.01

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

TOTAL CALCIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
11/18/94	11/22/94	00916	EPA 200.7	AZ0162	60. MG/L	Reserved MG/L	No Action Level

TOTAL MAGNESIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
11/18/94	11/22/94	00927	EPA 200.7	AZ0162	31. MG/L	Reserved MG/L	No Action Level

TOTAL SODIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
11/18/94	11/22/94	00929	EPA 200.7	AZ0162	150. MG/L	Reserved MG/L	No Action Level

TOTAL POTASSIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
11/18/94	11/22/94	00937	EPA 200.7	AZ0162	12. MG/L	Reserved MG/L	No Action Level

CHLORIDE

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
11/18/94	11/21/94	00941	EPA 300.0	AZ0162	190. MG/L	Reserved MG/L	No Action Level

TOTAL SULFATE (AS SO4)

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
11/18/94	11/19/94	00945	EPA 300.0	AZ0162	160. MG/L	Reserved MG/L	No Action Level

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Ronny Lopez DATE 1-16-95

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT
Latitude: _____._ Longitude: _____._
Township: 01N Range : 5E
Section : 18 Quarter :

Invnum: 100369
Permit: R-0086-07

City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

YEARLY SAMPLING - YEARLY REPORTING

TOTAL ARSENIC (AS AS) — PERMIT LIMIT 0.0500 MG/L — ACTION LEVEL No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/	11/22/94	01002	EPA 206.2	AZ 0162	ND<0.005	MG/L

TOTAL BARIUM — PERMIT LIMIT 1.0000 MG/L — ACTION LEVEL No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/22/94	01007	EPA 200.7	AZ 0162	0.011	MG/L

TOTAL CADMIUM (AS CD) — PERMIT LIMIT 0.0100 MG/L — ACTION LEVEL No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/22/94	01027	EPA 213.2	AZ 0162	ND<0.0005	MG/L

TOTAL CHROMIUM — PERMIT LIMIT 0.0500 MG/L — ACTION LEVEL No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/22/94	01029	EPA 218.2	AZ 0162	ND<0.005	MG/L

TOTAL LEAD (AS PB) — PERMIT LIMIT 0.0500 MG/L — ACTION LEVEL No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/22/94	01051	EPA 239.2	AZ 0112	ND<0.005	MG/L

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Point : A00444 Name : EFFLUENT

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TOTAL SILVER (AS AG) — PERMIT LIMIT: 0.0500 MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/23/94	01077	EPA 272.1	AZ 0162	ND <0.005 MG/L	MG/L

TOTAL SELENIUM (AS SE) — PERMIT LIMIT: 0.0100 MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/23/94	01147	EPA 270.2	AZ 0162	ND <0.005 MG/L	MG/L

BROMODICHLORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/12/94	32101	EPA ~~501~~ 524.2	AZ0162	3.7 UG/L	UG/L

CARBON TETRACHLORIDE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/12/94	32102	EPA ~~501~~ 524.2	AZ0162	ND<0.2 UG/L	UG/L

BROMOFORM — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/12/94	32104	EPA ~~501~~ 524.2	AZ0162	ND<0.2 UG/L	UG/L

DIBROMOCHLORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/12/94	32105	EPA ~~501~~ 524.2	AZ0162	1.6 UG/L	UG/L

CHLOROFORM — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/12/94	32106	EPA ~~501~~ 524.2	AZ0162	4.7 UG/L	UG/L

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Point : A00444 Name : EFFLUENT

Invnum: 100369
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TOLUENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 2000.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34010	EPA ~~601~~ 524.2	AZ 0162	1.3	UG/L

BENZENE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34030	EPA ~~601~~ 524.2	AZ 0162	ND<0.2	UG/L

CHLORO BENZENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 60.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34301	EPA ~~601~~ 524.2	AZ 0162	ND<0.2	UG/L

CHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34311	EPA ~~601~~ 524.2	AZ 0162	ND<0.5	UG/L

ENDOSULFAN SULFATE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	34351	EPA 608	AZ 0162	ND<0.02	UG/L

ENDOSULFAN I — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	34361	EPA 608	AZ 0162	ND<0.01	UG/L

ENDRINE ALDEHYDE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	34366	EPA 608	AZ 0162	ND<0.02	UG/L

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BROMO METHANE						PERMIT LIMIT: Reserved UG/L	ACTION LEVEL: No Action Level	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			UG/L
12/6/94	12/14/94	34413	EPA 601524.2	AZ0162	ND <0.5	UG/L		
CHLORO METHANE						PERMIT LIMIT: Reserved UG/L	ACTION LEVEL: 0.5000	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			UG/L
12/6/94	12/14/94	34418	EPA 601524.2	AZ0162	ND <0.5	UG/L		
METHYLENE CHLORIDE						PERMIT LIMIT: Reserved UG/L	ACTION LEVEL: 4.7000	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			UG/L
12/6/94	12/14/94	34423	EPA 601524.2	AZ0162	ND <0.5	UG/L		
TETRACHLORO ETHENE						PERMIT LIMIT: Reserved UG/L	ACTION LEVEL: 1.0000	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			UG/L
12/6/94	12/14/94	34475	EPA 601524.2	AZ0162	ND <0.2	UG/L		
TRICHLOROFLUORO METHANE						PERMIT LIMIT: Reserved UG/L	ACTION LEVEL: 1.0000	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			UG/L
12/6/94	12/14/94	34488	EPA 601524.2	AZ0162	ND <0.5	UG/L		
1,1-DICHLORO ETHANE						PERMIT LIMIT: Reserved UG/L	ACTION LEVEL: No Action Level	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			UG/L
12/6/94	12/14/94	34496	EPA 601524.2	AZ0162	ND <0.2	UG/L		
1,1-DICHLORO ETHENE						PERMIT LIMIT: 7.0000 UG/L	ACTION LEVEL: No Action Level	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			UG/L
12/6/94	12/14/94	34501	EPA 601524.2	AZ0162	ND <0.2	UG/L		

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1,1,1-TRICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 200.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34506	EPA 601/524.2	AZ0162	ND<0.5 UG/L	UG/L

1,1,2-TRICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34511	EPA 601/524.2	AZ0162	ND<0.2 UG/L	UG/L

1,1,2,2-TETRACHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34516	EPA 601/524.2	AZ0162	ND<0.2 UG/L	UG/L

1,2-DICHLORO ETHANE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34531	EPA 601/524.2	AZ0162	ND<0.2 UG/L	UG/L

1,2-DICHLORO BENZENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 620.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34536	EPA 601/524.2	AZ0162	ND<0.2 UG/L	UG/L

1,2-DICHLORO PROPANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34541	EPA 601/524.2	AZ0162	ND<0.2 UG/L	UG/L

1,3-DICHLORO BENZENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34566	EPA 601/524.2	AZ0162	ND<0.2 UG/L	UG/L

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2-CHLOROETHYLVINYL ETHER

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34576	EPA 601 524.2	AZ0162	ND < 50. UG/L	UG/L

DICHLORODIFLUORO METHANE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34668	EPA 601 524.2	AZ0162	ND < 0.5 UG/L	UG/L

PCB-1016

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	34671	EPA 508	AZ0162	ND < 0.1 UG/L	UG/L

TRANS-1,3-DICHLORO PROPENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34699	EPA 601 524.2	AZ0162	ND < 0.2 UG/L	UG/L

CIS-1,3-DICHLORO PROPENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34704	EPA 601 524.2	AZ0162	ND < 0.2 UG/L	UG/L

1,4-DICHLORO BENZENE

PERMIT LIMIT	ACTION LEVEL
75.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	34751	EPA 601 524.2	AZ0162	0.89 UG/L	UG/L

ETHYL BENZENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	680.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	37371	EPA 601 524.2	AZ0162	ND < 0.2 UG/L	UG/L

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ENDOSULFAN II

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39010	EPA 508	AZ 0162	ND <0.02 UG/L	UG/L

ALDICARB

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	9.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	12/11/94	39053	EPA 531.1	AZ 0162	ND <0.5 UG/L	UG/L

ALACHLOR

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	0.1500

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39161	EPA 508	AZ 0162	ND <0.5 UG/L	UG/L

VINYL CHLORIDE

PERMIT LIMIT	ACTION LEVEL
2.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	39175	EPA 601/524.2	AZ 0162	ND <0.5 UG/L	UG/L

TRICHLORO ETHENE

PERMIT LIMIT	ACTION LEVEL
5.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	39180	EPA 601/524.2	AZ 0162	ND <0.2 UG/L	UG/L

ALDRIN

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39330	EPA 508	AZ 0162	ND <0.01 UG/L	UG/L

GAMMA- BHC (LINDANE)

PERMIT LIMIT	ACTION LEVEL
4.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39344	EPA 508	AZ 0162	0.07 UG/L	UG/L

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CHLORDANE

PERMIT LIMIT: Reserved UG/L | ACTION LEVEL: 0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39350	EPA 508	AZ 0162	ND <0.2	UG/L

DIELDRIN

PERMIT LIMIT: Reserved UG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39380	EPA 508	AZ 0162	ND <0.01	UG/L

ENDRIN

PERMIT LIMIT: 0.2000 UG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39390	EPA 508	AZ 0162	ND <0.01	UG/L

ETHION

PERMIT LIMIT: Reserved UG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/22/94	12/4/94	39398	EPA 6614	AZ 0162	ND <1.	UG/L

TOXAPHENE

PERMIT LIMIT: 5.0000 UG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39400	EPA 508	AZ 0162	ND <1.	UG/L

HEPTACHLOR

PERMIT LIMIT: Reserved UG/L | ACTION LEVEL: 0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39410	EPA 508	AZ 0162	ND <0.04	UG/L

HEPTACHLOR EPOXIDE

PERMIT LIMIT: Reserved UG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39420	EPA 508	AZ 0162	ND <0.02	UG/L

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METHOXYCHLOR

PERMIT LIMIT	ACTION LEVEL
100.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39480	EPA 508	AZ 0162	ND<0.1	UG/L

PCB-1221

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39488	EPA 508	AZ 0162	ND<0.1	UG/L

PCB-1232

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39492	EPA 508	AZ 0162	ND<0.1	UG/L

PCB-1242

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39496	EPA 508	AZ 0162	ND<0.1	UG/L

PCB-1248

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39500	EPA 508	AZ 0112	ND<0.1	UG/L

PCB-1254

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39504	EPA 508	AZ 0162	ND<0.1	UG/L

PCB-1260

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	39508	EPA 508	AZ 0162	ND<0.1	UG/L

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DIAZINON

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/22/94	12/4/94	39570	EPA 614	AZ 0162	ND <1. UG/L	UG/L

TOTAL PCB'S

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/28/94	395PC	EPA 508	AZ 0162	ND <0.1 UG/L	UG/L

METHYL PARATHION

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/22/94	12/4/94	39600	EPA 614	AZ 0162	ND <1. UG/L	UG/L

ETHYL PARATHION

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/22/94	12/4/94	46315	EPA 614	AZ 0162	ND <2. UG/L	UG/L

TOTAL MERCURY (AS HG)

PERMIT LIMIT	ACTION LEVEL
0.0020 MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	11/23/94	71900	EPA 245.2	AZ 0162	ND<0.0005 MG/L	MG/L

TOTAL XYLENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	440.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
12/6/94	12/14/94	81551	EPA 524.2	AZ 0162	ND <0.2 UG/L	UG/L

2,4- D

PERMIT LIMIT	ACTION LEVEL
100.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/18/94	12/01/94	81769	EPA 515.1	AZ 0162	ND <0.0001 UG/L	UG/L

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TRIHALO METHANE (TTHM) — PERMIT LIMIT: 100.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
12/16/94	12/12/94	82080	EPA 502 524.2	AZ 0162	10.0	UG/L	UG/L

DISULFOTON — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
11/22/94	12/4/94	99912	EPA 614	AZ 0162	ND < 0.9	UG/L	UG/L

MALATHION — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
11/22/94	12/4/94	99917	EPA 614	AZ 0162	ND < 1.	UG/L	UG/L

ETHYLENE DIBROMIDE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
11/18/94	12/7/94	99978	EPA 504	AZ 0162	ND < 0.01	UG/L	UG/L

AZINPHOS METHYL — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
11/22/94	12/4/94	99979	EPA 614	AZ 0162	ND < 1.	UG/L	UG/L

o- DEMETON — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
11/22/94	12/4/94	99997	EPA 614	AZ 0162	ND < 0.1	UG/L	UG/L

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Ronny Lotz DATE 1-16-95

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT
Latitude: _____._ Longitude: _____._
Township: 01N Range : 5E
Section : 18 Quarter :

Invnum: 100369
Permit: R-0086-07

City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
PH						6.50- 9.00SU	No Action Level
05130195	05130195	00400	EPA 150.1	061	7.3 SU		SU
ALKALINITY (CACO3)						Reserved MG/L	No Action Level
05130195	05130195	00410	EPA 310.1	061	128 MG/L		MG/L
TOTAL NITROGEN						Reserved MG/L	10.0000
05130195	06105195	00600	CALCULATION	061	1.85 MG/L		MG/L
NITRATE-NITRITE AS N						10.0000 MG/L	No Action Level
05130195	/ /	00620	EPA 353.2	061	0.85 MG/L		MG/L
TOTAL KJELDAHL NITROGEN						Reserved MG/L	No Action Level
05130195	/ /	00625	EPA 351.3	061	1.00 MG/L		MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

TOTAL CALCIUM

PERMIT LIMIT: Reserved MG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			
05 130 195	06 108 195	00916	EPA 200.7 6010	0061	56.0	MG/L	—	MG/L

TOTAL MAGNESIUM

PERMIT LIMIT: Reserved MG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			
05 130 195	06 108 195	00927	EPA 200.7 6010	0061	~~0.012~~	MG/L	—	MG/L

TOTAL SODIUM

PERMIT LIMIT: Reserved MG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			
05 130 195	06 108 195	00929	EPA 200.7 6010	0061	186	MG/L	—	MG/L

TOTAL POTASSIUM

PERMIT LIMIT: Reserved MG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			
05 130 195	06 108 195	00937	EPA 200.7 6010	0061	10.3	MG/L	—	MG/L

CHLORIDE

PERMIT LIMIT: Reserved MG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			
05 130 195	06 106 195	00941	EPA 325.2	0061	230	MG/L	—	MG/L

TOTAL SULFATE (AS SO4)

PERMIT LIMIT: Reserved MG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED			
05 130 195	06 102 195	00945	EPA 375.2	0061	150	MG/L	—	MG/L

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Ronny Lopez DATE 7-25-95

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT
Latitude: _____._ Longitude: _____._
Township: 01N Range : 5E
Section : 18 Quarter :

Invnum: 100369
Permit: R-0086-07

City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

YEARLY SAMPLING - YEARLY REPORTING

TOTAL ARSENIC (AS AS)

PERMIT LIMIT	ACTION LEVEL
0.0500 MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05130195	06108195	01002	EPA 206.2 6010	0061	< 0.003	MG/L	— MG/L

TOTAL BARIUM

PERMIT LIMIT	ACTION LEVEL
1.0000 MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05130195	06108195	01007	EPA 200.7 6010	0061	0.018	MG/L	— MG/L

TOTAL CADMIUM (AS CD)

PERMIT LIMIT	ACTION LEVEL
0.0100 MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05130195	06106195	01027	EPA 213.2 7131	0061	< 0.0005	MG/L	— MG/L

TOTAL CHROMIUM

PERMIT LIMIT	ACTION LEVEL
0.0500 MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05130195	06108195	01029	EPA 200.7 6010	0061	< 0.010	MG/L	— MG/L

TOTAL LEAD (AS PB)

PERMIT LIMIT	ACTION LEVEL
0.0500 MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05130195	06109195	01051	EPA 239.2 7421	0061	< 0.002	MG/L	— MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED	
TOTAL SILVER (AS AG)						0.0500 MG/L	No Action Level		
	05 130195	06108195	01077	EPA 200.7 6010	061			< 0.010 MG/L	MG/L
TOTAL SELENIUM (AS SE)						0.0100 MG/L	No Action Level		
	05 130195	06109195	01147	EPA 270.2 7740	061			< 0.005 MG/L	MG/L
BROMODICHLORO METHANE						Reserved UG/L	No Action Level		
	05 130195	06109195	32101	EPA ~~601~~ 524	061			7.8 UG/L	UG/L
CARBON TETRACHLORIDE						5.0000 UG/L	No Action Level		
	05 130195	06109195	32102	EPA ~~601~~ 524	061			< 0.5 UG/L	UG/L
BROMOFORM						Reserved UG/L	No Action Level		
	05 130195	06109195	32104	EPA ~~601~~ 524	061			< 0.5 UG/L	UG/L
DIBROMOCHLORO METHANE						Reserved UG/L	No Action Level		
	05 130195	06109195	32105	EPA ~~601~~ 524	061			2.7 UG/L	UG/L
CHLOROFORM						Reserved UG/L	No Action Level		
	05 130195	06109195	32106	EPA ~~601~~ 524	061			11 UG/L	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
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Invnum: 100369
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TOLUENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 2000.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05130195	06109195	34010	EPA ~~601~~ 524	061	<0.5	UG/L

BENZENE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05130195	06109195	34030	EPA ~~601~~ 524	061	<0.05	UG/L

CHLORO BENZENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 60.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05130195	06109195	34301	EPA ~~601~~ 524	061	<0.05	UG/L

CHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05130195	06109195	34311	EPA ~~601~~ 524	061	<0.05	UG/L

ENDOSULFAN SULFATE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11 1/4/95	11 1/7/95	34351	EPA 608	061	<0.1	UG/L

ENDOSULFAN I — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11 1/4/95	11 1/7/95	34361	EPA 608	061	<0.05	UG/L

ENDRINE ALDEHYDE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11 1/4/95	11 1/7/95	34366	EPA 608	061	<0.1	UG/L

SELF MONITORING REPORT FORM
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YEARLY SAMPLING - YEARLY REPORTING

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Permit: R-0086-07

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
BROMO METHANE	05 13 01 95	06 10 91 95	34413	EPA 601/624	061	Reserved UG/L	No Action Level	< 0.5 UG/L
CHLORO METHANE	05 13 01 95	06 10 91 95	34418	EPA 601/624	061	Reserved UG/L	0.5000	< 0.5 UG/L
METHYLENE CHLORIDE	05 13 01 95	06 10 91 95	34423	EPA 601/624	061	Reserved UG/L	4.7000	< 0.50 UG/L
TETRACHLORO ETHENE	05 13 01 95	06 10 91 95	34475	EPA 601/624	061	Reserved UG/L	1.0000	< 0.5 UG/L
TRICHLOROFLUORO METHANE	05 13 01 95	06 10 91 95	34488	EPA 601/624	061	Reserved UG/L	1.0000	< 0.5 UG/L
1,1-DICHLORO ETHANE	05 13 01 95	06 10 91 95	34496	EPA 601/624	061	Reserved UG/L	No Action Level	< 0.5 UG/L
1,1-DICHLORO ETHENE	05 13 01 95	06 10 91 95	34501	EPA 601/624	061	7.0000 UG/L	No Action Level	< 0.5 UG/L

SELF MONITORING REPORT FORM
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YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

1,1,1-TRICHLORO ETHANE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	200.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05 30 95	06 09 95	34506	EPA 601/524	061	< 0.5	UG/L

1,1,2-TRICHLORO ETHANE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05 30 95	06 09 95	34511	EPA 601/524	061	< 0.5	UG/L

1,1,2,2-TETRACHLORO ETHANE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05 30 95	06 09 95	34516	EPA 601/524	061	< 0.5	UG/L

1,2-DICHLORO ETHANE

PERMIT LIMIT	ACTION LEVEL
5.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05 30 95	06 09 95	34531	EPA 601/524	061	< 0.5	UG/L

1,2-DICHLORO BENZENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	620.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05 30 95	06 09 95	34536	EPA 601/524	061	< 0.5	UG/L

1,2-DICHLORO PROPANE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05 30 95	06 09 95	34541	EPA 601/524	061	< 0.5	UG/L

1,3-DICHLORO BENZENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05 30 95	06 09 95	34566	EPA 601/524	061	< 0.5	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
2-CHLOROETHYLVINYL ETHER	05 130195	06109195	34576	EPA 601 524	061	Reserved UG/L	No Action Level	< 1.0 UG/L
DICHLORODIFLUORO METHANE	05 130195	06109195	34668	EPA 601 524	061	Reserved UG/L	1.0000	< 0.5 UG/L
PCB-1016	11/14/95	11/17/95	34671	EPA 608	061	Reserved UG/L	No Action Level	< 0.5 UG/L
TRANS-1,3-DICHLORO PROPENE	05 130195	06109195	34699	EPA 601 524	061	Reserved UG/L	No Action Level	< 0.5 UG/L
CIS-1,3-DICHLORO PROPENE	05 130195	06109195	34704	EPA 601 524	061	Reserved UG/L	No Action Level	< 0.5 UG/L
1,4-DICHLORO BENZENE	05 130195	06109195	34751	EPA 601 524	061	75.0000 UG/L	No Action Level	< 0.5 UG/L
ETHYL BENZENE	05 130195	06109196	37371	EPA 601 524	061	Reserved UG/L	680.0000	< 0.5 UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

ENDOSULFAN II

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
11/14/95	11/17/95	39010	EPA 608	061	<0.1 UG/L

ALDICARB

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	9.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
05130195	06109195	39053	531.1	A2 0153	ND UG/L

ALACHLOR

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	0.1500

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
11/14/95	11/17/95	39161	EPA 608		<0.5 UG/L

VINYL CHLORIDE

PERMIT LIMIT	ACTION LEVEL
2.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
05130195	06109195	39175	EPA 601	061	<0.5 UG/L

TRICHLORO ETHENE

PERMIT LIMIT	ACTION LEVEL
5.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
11/14/95	11/22/95	39180	EPA 601	.061	<0.5 UG/L

ALDRIN

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
11/14/95	11/17/95	39330	EPA 608	061	<0.05 UG/L

GAMMA- BHC (LINDANE)

PERMIT LIMIT	ACTION LEVEL
4.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
11/14/95	11/17/95	39344	EPA 608	061	0.11 UG/L

SELF MONITORING REPORT FORM
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Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

CHLORDANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/14/95	11/17/95	39350	EPA 608	061	<0.5	UG/L

DIELDRIN — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/14/95	11/17/95	39380	EPA 608	061	<0.1	UG/L

ENDRIN — PERMIT LIMIT: 0.2000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/14/95	11/17/95	39390	EPA 608	061	<0.1	UG/L

ETHION — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05130195	06105195	39398	EPA 614	061	<2.0	UG/L

TOXAPHENE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/14/95	11/17/95	39400	EPA 608	061	<1.0	UG/L

HEPTACHLOR — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/14/95	11/17/95	39410	EPA 608	061	<0.05	UG/L

HEPTACHLOR EPOXIDE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/14/95	11/17/95	39420	EPA 608	061	<0.05	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
METHOXYCHLOR	11/14/95	11/17/95	39480	EPA 608	061	<0.5 UG/L	.100.0000 UG/L	No Action Level
PCB-1221	11/14/95	11/17/95	39488	EPA 608	061	<0.5 UG/L	Reserved UG/L	No Action Level
PCB-1232	11/14/95	11/17/95	39492	EPA 608	061	<0.5 UG/L	Reserved UG/L	No Action Level
PCB-1242	11/14/95	11/17/95	39496	EPA 608	061	<0.5 UG/L	Reserved UG/L	No Action Level
PCB-1248	11/14/95	11/17/95	39500	EPA 608	061	<0.5 UG/L	Reserved UG/L	No Action Level
PCB-1254	11/14/95	11/17/95	39504	EPA 608	061	<0.5 UG/L	Reserved UG/L	No Action Level
PCB-1260	11/14/95	11/17/95	39508	EPA 608	061	<0.5 UG/L	Reserved UG/L	No Action Level

SELF MONITORING REPORT FORM
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Point : A00444 Name : EFFLUENT

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	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	CONCENTRATION REPORTED	ACTION LEVEL
DIAZINON	05130195	06105195	39570	EPA 614	061	Reserved UG/L	< 2.0 UG/L	No Action Level UG/L
TOTAL PCB'S	11/14/95	11/17/95	395PC	608	061	Reserved UG/L	< 0.5 UG/L	1.0000 UG/L
METHYL PARATHION	05130195	06105195	39600	EPA 614	061	Reserved UG/L	< 2.0 UG/L	No Action Level UG/L
ETHYL PARATHION	05130195	06105195	46315	EPA 614	061	Reserved UG/L	< 2.0 UG/L	No Action Level UG/L
TOTAL MERCURY (AS HG)	05130195	06112195	71900	EPA 245.1	061	0.0020 MG/L	< 0.0002 MG/L	No Action Level MG/L
TOTAL XYLENE	05130195	06109195	81551	EPA 524	061	Reserved UG/L	< 0.5 UG/L	440.0000 UG/L
2,4- D	05130195	/ /	81769	EPA 515.1	061	100.0000 UG/L	< 0.5 UG/L	No Action Level UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
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TRIHALO METHANE (TTHM) — PERMIT LIMIT: 100.0000 UG/L; ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/30/95	06/09/95	82080	EPA ~~602~~ 524	061	21.5	UG/L

DISULFOTON — PERMIT LIMIT: Reserved UG/L; ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/30/95	06/05/95	99912	EPA 614	061	<2.0	UG/L

MALATHION — PERMIT LIMIT: Reserved UG/L; ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/30/95	06/05/95	99917	EPA 614	061	<2.0	UG/L

ETHYLENE DIBROMIDE — PERMIT LIMIT: Reserved UG/L; ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/30/95	06/05/95	99978	EPA 504	061	<0.02	UG/L

AZINPHOS METHYL — PERMIT LIMIT: Reserved UG/L; ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/30/95	06/05/95	99979	EPA 614	061	<3.0	UG/L

o- DEMETON — PERMIT LIMIT: Reserved UG/L; ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/30/95	06/05/95	99997	EPA 614	061	<2.0	UG/L

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Ronny Lopez DATE 1-26-96

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT
Latitude: _____._ Longitude: _____._
Township: 01N Range : 5E
Section : 18 Quarter :

Invnum: 100369
Permit: R-0086-07

City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
PH						6.50- 9.00SU	No Action Level
11/14/95	11/14/95	00400	EPA	field	7.3 SU		SU
ALKALINITY (CACO3)						Reserved MG/L	No Action Level
11/14/95	11/18/95	00410	EPA 310.1	061	130 MG/L		MG/L
TOTAL NITROGEN						Reserved MG/L	10.0000
11/14/95	11/30/95	00600	Calculation	061	4.7 MG/L		MG/L
NITRATE-NITRITE AS N						10.0000 MG/L	No Action Level
11/14/95	11/30/95	00620	EPA 353.2 354.1	061	3.7 MG/L		MG/L
TOTAL KJELDAHL NITROGEN						Reserved MG/L	No Action Level
11/14/95	11/21/95	00625	EPA 351.2	061	1.0 MG/L		MG/L

SELF MONITORING REPORT FORM
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BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

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TOTAL CALCIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
11 1/4/95	11/26/95	00916	EPA 200.7	061	Reserved MG/L	No Action Level	61 MG/L

TOTAL MAGNESIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
11 1/4/95	11 1/20/95	00927	EPA 200.7	061	Reserved MG/L	No Action Level	29 MG/L

TOTAL SODIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
11 1/4/95	11 1/20/95	00929	EPA 200.7	061	Reserved MG/L	No Action Level	180 MG/L

TOTAL POTASSIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
11 1/4/95	11 1/20/95	00937	EPA 200.7	061	Reserved MG/L	No Action Level	12 MG/L

CHLORIDE

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
11 1/4/95	11 1/20/95	00941	EPA 325.2	061	Reserved MG/L	No Action Level	220 MG/L

TOTAL SULFATE (AS SO4)

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
11 1/4/95	11 1/22/95	00945	EPA 375.2	061	Reserved MG/L	No Action Level	220 MG/L

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SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Ronny Tapp DATE 1-26-96

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Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT
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City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
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Mesa, AZ 85201-

BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

PH

PERMIT LIMIT	ACTION LEVEL
6.50- 9.00SU	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/23/96	00400	EPA 150.1	0061	7.6	SU

ALKALINITY (CACO3)

PERMIT LIMIT	ACTION LEVEL
Reserved MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/23/96	00410	EPA 310.1	0061	134	MG/L

TOTAL NITROGEN

PERMIT LIMIT	ACTION LEVEL
Reserved MG/L	10.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96 05/30/96	00600	EPA353.2 + 351.2	0061	7.8	MG/L

NITRATE-NITRITE AS N

PERMIT LIMIT	ACTION LEVEL
10.0000 MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	00620	EPA 353.2	0061	6.9	MG/L

TOTAL KJELDAHL NITROGEN

PERMIT LIMIT	ACTION LEVEL
Reserved MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/30/96	00625	EPA 351.3	0061	0.9	MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

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Point : A00444 Name : EFFLUENT

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TOTAL CALCIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL
					Reserved MG/L	No Action Level
05/22/96	05/31/96	00916	EPA 200.7	0061	CONCENTRATION REPORTED 54.4 MG/L	MG/L

TOTAL MAGNESIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL
					Reserved MG/L	No Action Level
05/22/96	05/31/96	00927	EPA 200.7	0061	CONCENTRATION REPORTED 21.5 MG/L	MG/L

TOTAL SODIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL
					Reserved MG/L	No Action Level
05/22/96	05/31/96	00929	EPA 200.7	0061	CONCENTRATION REPORTED ~~233~~ 223 MG/L	MG/L

TOTAL POTASSIUM

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL
					Reserved MG/L	No Action Level
05/22/96	05/31/96	00937	EPA 200.7	0061	CONCENTRATION REPORTED 13.4 MG/L	MG/L

CHLORIDE

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL
					Reserved MG/L	No Action Level
05/22/96	05/22/96	00941	EPA 325.2	0061	CONCENTRATION REPORTED 260 MG/L	MG/L

TOTAL SULFATE (AS SO4)

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL
					Reserved MG/L	No Action Level
05/22/96	05/24/96	00945	EPA 375.2	0061	CONCENTRATION REPORTED 110 MG/L	MG/L

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SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT _____ DATE 6/18/96

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT
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City of Mesa - NW ReclamPlnt
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YEARLY SAMPLING - YEARLY REPORTING

TOTAL ARSENIC (AS AS)

PERMIT LIMIT	ACTION LEVEL
0.0500 MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	01002	EPA ~~206.2~~ 206.2	0061	<0.003	MG/L

TOTAL BARIUM

PERMIT LIMIT	ACTION LEVEL
1.0000 MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/29/96	01007	EPA 200.7	0061	0.015	MG/L

TOTAL CADMIUM (AS CD)

PERMIT LIMIT	ACTION LEVEL
0.0100 MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/04/96	01027	EPA 213.2	0061	<0.0005	MG/L

TOTAL CHROMIUM

PERMIT LIMIT	ACTION LEVEL
0.0500 MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/29/96	01029	EPA 200.7	0061	0.027	MG/L

TOTAL LEAD (AS PB)

PERMIT LIMIT	ACTION LEVEL
0.0500 MG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/06/96	01051	EPA 239.2	0061	<0.002	MG/L

SELF MONITORING REPORT FORM
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Invnum: 100369
Permit: R-0086-07

TOTAL SILVER (AS AG) — PERMIT LIMIT: 0.0500 MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		PERMIT LIMIT	ACTION LEVEL
05/22/96	05/29/96	01077	EPA 200.7	0061	<0.010	MG/L		MG/L

TOTAL SELENIUM (AS SE) — PERMIT LIMIT: 0.0100 MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		PERMIT LIMIT	ACTION LEVEL
05/22/96	06/03/96	01147	EPA 270.2	0061	<0.005	MG/L		MG/L

BROMODICHLORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		PERMIT LIMIT	ACTION LEVEL
05/22/96	05/28/96	32101	EPA 601/624	0061	<5	UG/L		UG/L

CARBON TETRACHLORIDE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		PERMIT LIMIT	ACTION LEVEL
05/22/96	05/28/96	32102	EPA 601/624	0061	<4	UG/L		UG/L

BROMOFORM — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		PERMIT LIMIT	ACTION LEVEL
05/22/96	05/28/96	32104	EPA 601/624	0061	<5	UG/L		UG/L

DIBROMOCHLORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		PERMIT LIMIT	ACTION LEVEL
05/22/96	05/28/96	32105	EPA 601/624	0061	<5	UG/L		UG/L

CHLOROFORM — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		PERMIT LIMIT	ACTION LEVEL
05/22/96	05/28/96	32106	EPA 601/624	0061	<5	UG/L		UG/L

SELF MONITORING REPORT FORM
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Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: P-0086-07

TOLUENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	2000.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34010	EPA 601/624	0061	<5	UG/L

BENZENE

PERMIT LIMIT	ACTION LEVEL
5.0000 UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34030	EPA 601/624	0061	<4	UG/L

CHLORO BENZENE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	60.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34301	EPA 601/624	0061	<5	UG/L

CHLORO ETHANE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34311	EPA 601/624	0061	<10	UG/L

ENDOSULFAN SULFATE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/05/96 mor	34351	EPA 608	0061	<0.5	UG/L

ENDOSULFAN I

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/05/96 mor	34361	EPA 608	0061	<0.5	UG/L

ENDRINE ALDEHYDE

PERMIT LIMIT	ACTION LEVEL
Reserved UG/L	No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/05/96 mor	34366	EPA 608	0061	mor <0.5	UG/L

SELF MONITORING REPORT FORM
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YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
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BROMO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34413	EPA 601/624	0061	<10	UG/L

CHLORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34418	EPA 601/624	0061	<0.5	UG/L

METHYLENE CHLORIDE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 4.7000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34423	EPA 601/624	0061	<4	UG/L

TETRACHLORO ETHENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34475	EPA 601/624	0061	<1.0	UG/L

TRICHLOROFLUORO METHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34488	EPA 601/624	0061	<1.0	UG/L

1,1-DICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34496	EPA 601/624	0061	<5	UG/L

1,1-DICHLORO ETHENE — PERMIT LIMIT: 7.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34501	EPA 601/624	0061	<4	UG/L

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1,1,1-TRICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 200.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34506	EPA 601/624	0061	~~<1.0~~ <10	UG/L

1,1,2-TRICHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34511	EPA 601/624	0061	<1.0	UG/L

1,1,2,2-TETRACHLORO ETHANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 0.5000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34516	EPA 601/624	0061	<0.5	UG/L

1,2-DICHLORO ETHANE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34531	EPA 601/624	0061	<4	UG/L

1,2-DICHLORO BENZENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 620.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34536	EPA 601/624	0061	<5	UG/L

1,2-DICHLORO PROPANE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34541	EPA 601/624	0061	<1.0	UG/L

1,3-DICHLORO BENZENE — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	34566	EPA 601/624	0061	<4	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
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	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
2-CHLOROETHYLVINYL ETHER	05/22/96	05/28/96	34576	EPA 601/624	0061	<10 UG/L	Reserved UG/L	No Action Level
DICHLORODIFLUORO METHANE	05/22/96	05/28/96	34668	EPA 601/624	0061	<1.0 UG/L	Reserved UG/L	1.0000
PCB-1016	05/22/96	06/14/96	34671	EPA 608	0061	<2.5 UG/L	Reserved UG/L	No Action Level
TRANS-1,3-DICHLORO PROPENE	05/22/96	05/28/96	34699	EPA 601/624	0061	<5 UG/L	Reserved UG/L	No Action Level
CIS-1,3-DICHLORO PROPENE	05/22/96	05/28/96	34704	EPA 601/624	0061	<5 UG/L	Reserved UG/L	No Action Level
1,4-DICHLORO BENZENE	05/22/96	05/28/96	34751	EPA 601/624	0061	<5 UG/L	75.0000 UG/L	No Action Level
ETHYL BENZENE	05/22/96	05/28/96	37371	EPA 601/624	0061	<5 UG/L	Reserved UG/L	680.0000

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ENDOSULFAN II — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
05/22/96	06/14/96	39010	EPA 608	0061	<0.5 UG/L

ALDICARB — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 9.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
05/22/96	06/03/96	39053	EPA 531.1	0061	<2.0 UG/L

ALACHLOR — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: 0.1500

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
05/22/96	06/05/96	39161	EPA 608	0061	<5.0 MATRIX ERROR UG/L

VINYL CHLORIDE — PERMIT LIMIT: 2.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
05/22/96	05/28/96	39175	EPA 601/624	0061	<2.0 UG/L

TRICHLORO ETHENE — PERMIT LIMIT: 5.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
05/22/96	05/28/96	39180	EPA 601/624	0061	<4 UG/L

ALDRIN — PERMIT LIMIT: Reserved UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
05/22/96	06/14/96	39330	EPA 608	0061	<0.25 UG/L

GAMMA- BHC (LINDANE) — PERMIT LIMIT: 4.0000 UG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
05/22/96	06/14/96	39344	EPA 608	0061	<0.25 UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	ACTION LEVEL	CONCENTRATION REPORTED
CHLORDANE	05/22/96	06/14/96	39350	EPA 608	0061	Reserved UG/L	0.5000	<2.5 UG/L MATRIX ERROR UG/L
DIELDRIN	05/22/96	06/14/96	39380	EPA 608	0061	Reserved UG/L	No Action Level	<0.5 UG/L UG/L
ENDRIN	05/22/96	06/14/96	39390	EPA 608	0061	0.2000 UG/L	No Action Level	<0.5 UG/L MATRIX ERROR UG/L
ETHION	05/22/96	06/05/96	39398	EPA 614	0061	Reserved UG/L	No Action Level	<0.5 UG/L UG/L
TOXAPHENE	05/22/96	06/14/96	39400	EPA 608	0061	5.0000 UG/L	No Action Level	<5.0 UG/L UG/L
HEPTACHLOR	05/22/96	06/14/96	39410	EPA 608	0061	Reserved UG/L	0.5000	<0.25 UG/L UG/L
HEPTACHLOR EPOXIDE	05/22/96	06/14/96	39420	EPA 608	0061	Reserved UG/L	No Action Level	<0.25 UG/L UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

METHOXYCHLOR

PERMIT LIMIT: 100.0000 UG/L
ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	06/14/96	39480	EPA 608	0061	<2.5	UG/L	UG/L

PCB-1221

PERMIT LIMIT: Reserved UG/L
ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	06/14/96	39488	EPA 608	0061	MRL <2.5	UG/L	UG/L

PCB-1232

PERMIT LIMIT: Reserved UG/L
ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	06/14/96	39492	EPA 608	0061	<2.5	UG/L	UG/L

PCB-1242

PERMIT LIMIT: Reserved UG/L
ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	06/14/96	39496	EPA 608	0061	<2.5	UG/L	UG/L

PCB-1248

PERMIT LIMIT: Reserved UG/L
ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	06/14/96	39500	EPA 608	0061	<2.5	UG/L	UG/L

PCB-1254

PERMIT LIMIT: Reserved UG/L
ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	06/14/96	39504	EPA 608	0061	<2.5	UG/L	UG/L

PCB-1260

PERMIT LIMIT: Reserved UG/L
ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
05/22/96	06/14/96	39508	EPA 608	0061	<2.5	UG/L	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

DIAZINON

PERMIT LIMIT: Reserved UG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/05/96	39570	EPA 614	0061	<0.3	UG/L

TOTAL PCB'S

PERMIT LIMIT: Reserved UG/L | ACTION LEVEL: 1.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/14/96	395PC	EPA 608	0061	<2.5	UG/L MATRIX ERROR

METHYL PARATHION

PERMIT LIMIT: Reserved UG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/05/96	39600	EPA 614	0061	<0.5	UG/L

ETHYL PARATHION

PERMIT LIMIT: Reserved UG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/05/96	46315	EPA 614	0061	<0.5	UG/L

TOTAL MERCURY (AS HG)

PERMIT LIMIT: 0.0020 MG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/03/96	71900	EPA 245.1	0061	<0.0002	MG/L

TOTAL XYLENE

PERMIT LIMIT: Reserved UG/L | ACTION LEVEL: 440.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	05/28/96	81551	EPA 624	0061	<5	UG/L

2,4- D

PERMIT LIMIT: 100.0000 UG/L | ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
05/22/96	06/05/96	81769	EPA 615	0061	<1.0	UG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
YEARLY SAMPLING - YEARLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

	SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	PERMIT LIMIT	CONCENTRATION REPORTED	ACTION LEVEL
TRIHALO METHANE (TTHM)	05/22/96	05/28/96	82080	EPA 602	0061	100.0000 UG/L	MDL 0.5 <5 UG/L	No Action Level UG/L
DISULFOTON	05/22/96	06/05/96	99912	EPA 614	0061	Reserved UG/L	<0.5 UG/L	No Action Level UG/L
MALATHION	05/22/96	06/05/96	99917	EPA 614	0061	Reserved UG/L	<0.3 UG/L	No Action Level UG/L
ETHYLENE DIBROMIDE	05/22/96	06/06/96	99978	EPA	0061	Reserved UG/L	<0.02 UG/L	No Action Level UG/L
AZINPHOS METHYL	05/22/96	06/05/96	99979	EPA 614	0061	Reserved UG/L	<1.0 UG/L	No Action Level UG/L
o- DEMETON	05/22/96	06/05/96	99997	EPA 614	0061	Reserved UG/L	<1.0 UG/L	No Action Level UG/L

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT Mary H Lyon DATE 6-18-96

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT
Latitude: _____._ Longitude: _____._
Township: 01N Range : 5E
Section : 18 Quarter :

Invnum: 100369
Permit: R-0086-07

City of Mesa - NW ReclamPlnt
Ron Lopez, Plnt Supvr
P.O. Box 1466
Mesa, AZ 85201-

BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

PH — PERMIT LIMIT: 6.50- 9.00SU — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	11/25/96	00400	EPA 150.1	0061	7.6	SU

ALKALINITY (CACO3) — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	11/27/96	00410	EPA 310.1	0061	191	MG/L

TOTAL NITROGEN — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: 10.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/13/96	00600	353.2/351.2	0061	0.7	MG/L

NITRATE-NITRITE AS N — PERMIT LIMIT: 10.0000 MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/07/96	00620	EPA 353.2 351.2	0061	0.10	MG/L

TOTAL KJELDAHL NITROGEN — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
11/21/96	12/06/96	00625	EPA 351.3	0061	0.6	MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
BI-ANNUAL SAMPLING - BI-ANNUAL REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A00444 Name : EFFLUENT

Invnum: 100369
Permit: R-0086-07

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	PERMIT LIMIT	ACTION LEVEL
TOTAL CALCIUM						Reserved MG/L	No Action Level
11/21/96	12/05/96	00916	EPA 200.7/6010	0061	71.9 MG/L		MG/L
TOTAL MAGNESIUM						Reserved MG/L	No Action Level
11/21/96	12/05/96	00927	EPA 200.7/6010	0061	28.8 MG/L		MG/L
TOTAL SODIUM						Reserved MG/L	No Action Level
11/21/96	12/05/96	00929	EPA 200.7/6010	0061	296 MG/L		MG/L
TOTAL POTASSIUM						Reserved MG/L	No Action Level
11/21/96	12/05/96	00937	EPA 200.7/6010	0061	19.1 MG/L		MG/L
CHLORIDE						Reserved MG/L	No Action Level
11/21/96	11/27/96	00941	EPA 325.2	0061	360 MG/L		MG/L
TOTAL SULFATE (AS SO4)						Reserved MG/L	No Action Level
11/21/96	12/06/96	00945	EPA 375.2	0061	110 MG/L		MG/L

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SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT _____ DATE _____

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02667 Name : DISCHARGE TO PERC PONDS
Latitude: 332604.000 Longitude: 1115331.000
Township: 01N Range : 05E
Section : 18 Quarter :

Invnum: 100369
Permit: P100369

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

P100369
Monthly Sampling
Quarterly Reporting

TOTAL NITROGEN					PERMIT LIMIT 10.0000 MG/L	ACTION LEVEL 8.0000
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED
07/23/97	07/31/97	00600	CALCUL	000	=3.3000	MG/L MG/L
08/26/97	09/10/97	00600	CALCUL	000	=9.1000	MG/L MG/L
09/02/97	09/04/97	00600	CALCUL	000	=1.8000	MG/L MG/L

NITRATE-NITRITE AS N					PERMIT LIMIT 10.0000 MG/L	ACTION LEVEL 8.0000
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED
07/23/97	07/31/97	00620	EPA	061	=2.7000	MG/L MG/L
08/26/97	09/10/97	00620	EPA	061	=9.1000	MG/L MG/L
09/02/97	09/04/97	00620	EPA	061	=1.3000	MG/L MG/L

TOTAL KJELDAHL NITROGEN					PERMIT LIMIT Reserved MG/L	ACTION LEVEL No Action Level
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED
07/23/97	07/29/97	00625	EPA	061	=0.6000	MG/L MG/L
08/26/97	09/04/97	00625	EPA	061	<0.2000	MG/L MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT Invnum: 100369
Point No: A02667 Point Name:DISCHARGE TO PERC PONDS
Latitude: 332604.000 Longitude: 1115331.000 Permit: P100369
Township: 01N Range : 05E
Section : 18 Quarter :

From: 7/01/97
To: 9/30/97
Lab ID: 410
Lab Name: NWWRP

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

TEMPERATURE (FIELD)
Storet: TEMFD Permit Limit: Reserved

	ANALYZED	RESULTS		ANALYZED	RESULTS		ANALYZED	RESULTS
1	07/01/97	0.0000	1	08/01/97	31.1000	1	09/01/97	31.2000
2	07/02/97	0.0000	2	08/02/97	29.5000	2	09/02/97	31.4000
3	07/03/97	0.0000	3	08/03/97	31.0000	3	09/03/97	31.3000
4	07/04/97	0.0000	4	08/04/97	32.1000	4	09/04/97	32.4000
5	07/05/97	0.0000	5	08/05/97	32.0000	5	09/05/97	31.6000
6	07/06/97	0.0000	6	08/06/97	31.6000	6	09/06/97	31.5000
7	07/07/97	0.0000	7	08/07/97	32.3000	7	09/07/97	31.4000
8	07/08/97	0.0000	8	08/08/97	31.7000	8	09/08/97	31.4000
9	07/09/97	0.0000	9	08/09/97	31.3000	9	09/09/97	32.0000
10	07/10/97	0.0000	10	08/10/97	31.4000	10	09/10/97	31.9000
11	07/11/97	0.0000	11	08/11/97	31.4000	11	09/11/97	31.7000
12	07/12/97	29.1000	12	08/12/97	31.6000	12	09/12/97	31.6000
13	07/13/97	28.3000	13	08/13/97	31.2000	13	09/13/97	31.6000
14	07/14/97	0.0000	14	08/14/97	31.4000	14	09/14/97	31.4000
15	07/15/97	29.1000	15	08/15/97	31.1000	15	09/15/97	31.6000
16	07/16/97	0.0000	16	08/16/97	31.5000	16	09/16/97	31.6000
17	07/17/97	0.0000	17	08/17/97	31.5000	17	09/17/97	31.3000
18	07/18/97	0.0000	18	08/18/97	30.9000	18	09/18/97	32.6000
19	07/19/97	31.2000	19	08/19/97	31.0000	19	09/19/97	31.4000
20	07/20/97	31.3000	20	08/20/97	31.1000	20	09/20/97	32.0000
21	07/21/97	30.1000	21	08/21/97	33.2000	21	09/21/97	0.0000
22	07/22/97	30.6000	22	08/22/97	31.3000	22	09/22/97	0.0000
23	07/23/97	0.0000	23	08/23/97	31.6000	23	09/23/97	0.0000
24	07/24/97	30.7000	24	08/24/97	31.8000	24	09/24/97	0.0000
25	07/25/97	31.5000	25	08/25/97	31.7000	25	09/25/97	0.0000
26	07/26/97	31.1000	26	08/26/97	31.3000	26	09/26/97	0.0000
27	07/27/97	31.3000	27	08/27/97	0.0000	27	09/27/97	31.6000
28	07/28/97	30.8000	28	08/28/97	31.4000	28	09/28/97	31.1000
29	07/29/97	30.2000	29	08/29/97	0.0000	29	09/29/97	30.8000
30	07/30/97	30.9000	30	08/30/97	31.9000	30	09/30/97	31.2000
31	07/31/97	31.1000	31	08/31/97	31.2000	31	__/__/__	_____

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT R W Bradford DATE 10/27/97

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT Invnum: 100369
Point No: A02667 Point Name:DISCHARGE TO PERC PONDS
Latitude: 332604.000 Longitude: 1115331.000 Permit: P100369
Township: 01N Range : 05E
Section : 18 Quarter :

From: 7/01/97
To: 9/30/97
Lab ID: 410
Lab Name: NWWRP ,

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

SPECIFIC CONDUCTANCE (FIELD)
Storet: SCFLD Permit Limit: Reserved

	ANALYZED	RESULTS		ANALYZED	RESULTS		ANALYZED	RESULTS
1	07/01/97	0.0000	1	08/01/97	1.9400	1	09/01/97	1.8500
2	07/02/97	0.0000	2	08/02/97	0.0000	2	09/02/97	1.8300
3	07/03/97	0.0000	3	08/03/97	0.0000	3	09/03/97	1.9300
4	07/04/97	0.0000	4	08/04/97	1.8600	4	09/04/97	1.9300
5	07/05/97	0.0000	5	08/05/97	2.0200	5	09/05/97	1.9900
6	07/06/97	0.0000	6	08/06/97	1.8600	6	09/06/97	1.8500
7	07/07/97	0.0000	7	08/07/97	2.0100	7	09/07/97	1.8400
8	07/08/97	0.0000	8	08/08/97	1.9600	8	09/08/97	1.4000
9	07/09/97	0.0000	9	08/09/97	2.0200	9	09/09/97	1.7800
10	07/10/97	0.0000	10	08/10/97	1.9100	10	09/10/97	1.1100
11	07/11/97	0.0000	11	08/11/97	1.9200	11	09/11/97	1.2200
12	07/12/97	2.0500	12	08/12/97	1.5800	12	09/12/97	1.4900
13	07/13/97	1.8900	13	08/13/97	2.0200	13	09/13/97	1.8800
14	07/14/97	1.8900	14	08/14/97	1.9900	14	09/14/97	1.8600
15	07/15/97	1.9800	15	08/15/97	2.0200	15	09/15/97	1.7900
16	07/16/97	1.9700	16	08/16/97	1.5900	16	09/16/97	1.8800
17	07/17/97	0.0000	17	08/17/97	1.8500	17	09/17/97	1.8200
18	07/18/97	2.0200	18	08/18/97	1.9400	18	09/18/97	1.7800
19	07/19/97	1.6700	19	08/19/97	1.9900	19	09/19/97	1.4800
20	07/20/97	1.9400	20	08/20/97	1.9800	20	09/20/97	1.4400
21	07/21/97	1.9300	21	08/21/97	2.0800	21	09/21/97	0.0000
22	07/22/97	1.9600	22	08/22/97	1.9500	22	09/22/97	0.0000
23	07/23/97	0.0000	23	08/23/97	1.9100	23	09/23/97	0.0000
24	07/24/97	1.9500	24	08/24/97	1.1400	24	09/24/97	0.0000
25	07/25/97	2.0400	25	08/25/97	1.9300	25	09/25/97	0.0000
26	07/26/97	2.0200	26	08/26/97	2.0000	26	09/26/97	0.0000
27	07/27/97	1.8900	27	08/27/97	0.0000	27	09/27/97	1.8900
28	07/28/97	1.9400	28	08/28/97	1.9900	28	09/28/97	1.7600
29	07/29/97	1.9800	29	08/29/97	1.9800	29	09/29/97	1.5000
30	07/30/97	2.0100	30	08/30/97	1.9400	30	09/30/97	1.7000
31	07/31/97	2.0100	31	08/31/97	1.9000	31	__/__/__	

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT _____ DATE 10/27/97

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT Invnum: 100369
Point No: A02667 Point Name:DISCHARGE TO PERC PONDS
Latitude: 332604.000 Longitude: 1115331.000 Permit: P100369
Township: 01N Range : 05E
Section : 18 Quarter :

From: 7/01/97
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Lab ID: 410
Lab Name: NWWRP

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

PH
Storet: 00400 Permit Limit: Reserved

	ANALYZED	RESULTS		ANALYZED	RESULTS		ANALYZED	RESULTS
1	07/01/97	7.1000	1	08/01/97	7.1000	1	09/01/97	7.1000
2	07/02/97	7.0000	2	08/02/97	7.2000	2	09/02/97	7.1000
3	07/03/97	7.1000	3	08/03/97	7.4000	3	09/03/97	6.9000
4	07/04/97	7.0000	4	08/04/97	7.1000	4	09/04/97	7.0000
5	07/05/97	7.0000	5	08/05/97	7.2000	5	09/05/97	7.0000
6	07/06/97	7.0000	6	08/06/97	7.1000	6	09/06/97	7.1000
7	07/07/97	7.0000	7	08/07/97	7.1000	7	09/07/97	7.1000
8	07/08/97	7.1000	8	08/08/97	7.1000	8	09/08/97	7.0000
9	07/09/97	0.0000	9	08/09/97	7.1000	9	09/09/97	7.0000
10	07/10/97	7.0000	10	08/10/97	7.1000	10	09/10/97	6.8000
11	07/11/97	7.2000	11	08/11/97	7.0000	11	09/11/97	7.2000
12	07/12/97	7.1000	12	08/12/97	7.2000	12	09/12/97	7.0000
13	07/13/97	7.3000	13	08/13/97	7.0000	13	09/13/97	7.0000
14	07/14/97	7.1000	14	08/14/97	7.1000	14	09/14/97	7.1000
15	07/15/97	7.2000	15	08/15/97	7.0000	15	09/15/97	7.0000
16	07/16/97	7.1000	16	08/16/97	7.1000	16	09/16/97	7.0000
17	07/17/97	7.1000	17	08/17/97	7.0000	17	09/17/97	7.0000
18	07/18/97	7.5000	18	08/18/97	7.1000	18	09/18/97	7.0000
19	07/19/97	7.3000	19	08/19/97	7.1000	19	09/19/97	7.0000
20	07/20/97	7.2000	20	08/20/97	7.0000	20	09/20/97	7.0000
21	07/21/97	7.2000	21	08/21/97	7.2000	21	09/21/97	0.0000
22	07/22/97	7.1000	22	08/22/97	7.0000	22	09/22/97	0.0000
23	07/23/97	7.0000	23	08/23/97	7.0000	23	09/23/97	0.0000
24	07/24/97	7.0000	24	08/24/97	7.2000	24	09/24/97	0.0000
25	07/25/97	7.1000	25	08/25/97	7.0000	25	09/25/97	0.0000
26	07/26/97	7.0000	26	08/26/97	7.1000	26	09/26/97	0.0000
27	07/27/97	7.0000	27	08/27/97	6.9000	27	09/27/97	6.8000
28	07/28/97	7.1000	28	08/28/97	7.1000	28	09/28/97	6.8000
29	07/29/97	7.0000	29	08/29/97	6.9000	29	09/29/97	7.0000
30	07/30/97	7.0000	30	08/30/97	7.0000	30	09/30/97	6.8000
31	07/31/97	7.1000	31	08/31/97	7.0000	31	__/__/__	

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT R W Brodfuehrer DATE 10/27/97

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02667 Name : DISCHARGE TO PERC PONDS
Latitude: 332604.000 Longitude: 1115331.000
Township: 01N Range : 05E
Section : 18 Quarter :

Invnum: 100369
Permit: P100369

P100369
Quarterly Sampling
Quarterly Reporting .

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

TOTAL FLUORIDE					PERMIT LIMIT 4.0000 MG/L	ACTION LEVEL 3.2000	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
09/02/97	09/03/97	00951	EPA	061	=3.0900 MG/L		MG/L
TOTAL ARSENIC (AS AS)					PERMIT LIMIT 0.0500 MG/L	ACTION LEVEL 0.0400	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
09/02/97	10/05/97	01002	EPA	061	=0.0040 MG/L		MG/L
TOTAL BARIUM					PERMIT LIMIT 2.0000 MG/L	ACTION LEVEL 1.6000	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
09/02/97	09/24/97	01007	EPA	061	=0.0230 MG/L		MG/L
TOTAL CADMIUM (AS CD)					PERMIT LIMIT 0.0050 MG/L	ACTION LEVEL 0.0040	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
09/02/97	09/23/97	01027	EPA	061	<0.0005 MG/L		MG/L
TOTAL CHROMIUM					PERMIT LIMIT 0.1000 MG/L	ACTION LEVEL 0.0800	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
09/02/97	09/24/97	01029	EPA	061	<0.0100 MG/L		MG/L
TOTAL LEAD (AS PB)					PERMIT LIMIT 0.0500 MG/L	ACTION LEVEL 0.0400	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
09/02/97	09/06/97	01051	EPA	061	<0.0020 MG/L		MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

MONTHLY SAMPLING - QUARTERLY REPORTING
Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02667 Name : DISCHARGE TO PERC PONDS

Invnum: 100369
Permit: P100369

TOTAL KJELDAHL NITROGEN					PERMIT LIMIT: Reserved MG/L		ACTION LEVEL: No Action Level	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED		
09/02/97	09/04/97	00625	EPA	061	=0.5000	MG/L		MG/L

MONTHLY AVERAGE FLOW					PERMIT LIMIT: 8.0000 MGD		ACTION LEVEL: No Action Level	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED		
07/31/97	07/31/97	74060	CALCUL	000	=2.8323	MGD		MGD
08/31/97	08/31/97	74060	CALCUL	000	=2.5967	MGD		MGD
09/30/97	09/30/97	74060	CALCUL	000	=2.5560	MGD		MGD

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED ON THE ATTACHED AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT R W Brayfield DATE 10/27/97

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

QUARTERLY SAMPLING - QUARTERLY REPORTING
Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02667 Name : DISCHARGE TO PERC PONDS

Invnum: 100369
Permit: P100369

TOTAL SELENIUM (AS SE) — PERMIT LIMIT: 0.0500 MG/L — ACTION LEVEL: 0.0400

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
09/02/97	10/07/97	01147	EPA	061	<0.0030	MG/L

BROMOFORM — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
09/02/97	09/10/97	32104	EPA	061	<0.0005	MG/L

DIBROMOCHLORO METHANE — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
09/02/97	09/10/97	32105	EPA	061	<0.0005	MG/L

CHLOROFORM — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
09/02/97	09/10/97	32106	EPA	061	<0.0011	MG/L

BROMODICHLORO METHANE — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
09/02/97	09/10/97	38693	EPA	061	<0.0005	MG/L

TOTAL MERCURY (AS HG) — PERMIT LIMIT: 0.0020 MG/L — ACTION LEVEL: 0.0016

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
09/02/97	09/09/97	71900	EPA	061	<0.0002	MG/L

TRIHALO METHANE (TTHM) — PERMIT LIMIT: 0.1000 MG/L — ACTION LEVEL: 0.0800

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
09/02/97	09/30/97	82080	EPA CALCUL	000	<0.0011	MG/L

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SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT R W Brazill DATE 10/22/97

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT Invnum: 100369
Point No: A02667 Point Name:DISCHARGE TO PERC PONDS
Latitude: 332604.000 Longitude: 1115331.000
Township: 01N Range : 05E
Section : 18 Quarter :

Permit: P100369
From: 07 / 01 / 98
To: 09 / 30 / 98

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

Lab ID :__

Lab Name :_____

PH
Storet: 00400

Permit Limit: Reserved

	ANALYZED	RESULTS		ANALYZED	RESULTS		ANALYZED	RESULTS
1	07/01/98	0.0000	1	08/01/98	0.0000	1	09/01/98	0.0000
2	07/02/98	0.0000	2	08/02/98	0.0000	2	09/02/98	0.0000
3	07/03/98	0.0000	3	08/03/98	0.0000	3	09/03/98	0.0000
4	07/04/98	0.0000	4	08/04/98	6.5000	4	09/04/98	0.0000
5	07/05/98	0.0000	5	08/05/98	6.5000	5	09/05/98	0.0000
6	07/06/98	0.0000	6	08/06/98	6.5000	6	09/06/98	0.0000
7	07/07/98	0.0000	7	08/07/98	0.0000	7	09/07/98	0.0000
8	07/08/98	0.0000	8	08/08/98	0.0000	8	09/08/98	0.0000
9	07/09/98	0.0000	9	08/09/98	0.0000	9	09/09/98	0.0000
10	07/10/98	0.0000	10	08/10/98	6.8000	10	09/10/98	0.0000
11	07/11/98	0.0000	11	08/11/98	6.6000	11	09/11/98	0.0000
12	07/12/98	0.0000	12	08/12/98	6.6000	12	09/12/98	0.0000
13	07/13/98	0.0000	13	08/13/98	6.7000	13	09/13/98	0.0000
14	07/14/98	6.6000	14	08/14/98	0.0000	14	09/14/98	0.0000
15	07/15/98	6.8000	15	08/15/98	0.0000	15	09/15/98	0.0000
16	07/16/98	6.8000	16	08/16/98	0.0000	16	09/16/98	6.7000
17	07/17/98	6.7000	17	08/17/98	0.0000	17	09/17/98	6.6000
18	07/18/98	0.0000	18	08/18/98	0.0000	18	09/18/98	6.5000
19	07/19/98	0.0000	19	08/19/98	0.0000	19	09/19/98	6.4000
20	07/20/98	0.0000	20	08/20/98	0.0000	20	09/20/98	6.6000
21	07/21/98	0.0000	21	08/21/98	0.0000	21	09/21/98	6.5000
22	07/22/98	0.0000	22	08/22/98	0.0000	22	09/22/98	6.7000
23	07/23/98	0.0000	23	08/23/98	0.0000	23	09/23/98	0.0000
24	07/24/98	0.0000	24	08/24/98	0.0000	24	09/24/98	0.0000
25	07/25/98	0.0000	25	08/25/98	6.6000	25	09/25/98	0.0000
26	07/26/98	0.0000	26	08/26/98	6.5000	26	09/26/98	0.0000
27	07/27/98	0.0000	27	08/27/98	6.5000	27	09/27/98	0.0000
28	07/28/98	0.0000	28	08/28/98	6.5000	28	09/28/98	0.0000
29	07/29/98	0.0000	29	08/29/98	6.6000	29	09/29/98	0.0000
30	07/30/98	0.0000	30	08/30/98	6.6000	30	09/30/98	0.0000
31	07/31/98	0.0000	31	08/31/98	6.4000	31	__/__/__	_____

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SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT _____ DATE 10/22/98

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT Invnum: 100369
Point No: A02667 Point Name:DISCHARGE TO PERC PONDS
Latitude: 332604.000 Longitude: 1115331.000
Township: 01N Range : 05E
Section : 18 Quarter :

Permit: P100369
From: 07 / 01 / 98
To: 09 / 30 / 98

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

Lab ID :__

Lab Name :_____

SPECIFIC CONDUCTANCE (FIELD)
Storet: SCFLD

Permit Limit: Reserved

	ANALYZED	RESULTS		ANALYZED	RESULTS		ANALYZED	RESULTS
1	07/01/98	0.0000	1	08/01/98	0.0000	1	09/01/98	0.0000
2	07/02/98	0.0000	2	08/02/98	0.0000	2	09/02/98	0.0000
3	07/03/98	0.0000	3	08/03/98	0.0000	3	09/03/98	0.0000
4	07/04/98	0.0000	4	08/04/98	1.9000	4	09/04/98	0.0000
5	07/05/98	0.0000	5	08/05/98	1.8200	5	09/05/98	0.0000
6	07/06/98	0.0000	6	08/06/98	1.9200	6	09/06/98	0.0000
7	07/07/98	0.0000	7	08/07/98	0.0000	7	09/07/98	0.0000
8	07/08/98	0.0000	8	08/08/98	0.0000	8	09/08/98	0.0000
9	07/09/98	0.0000	9	08/09/98	0.0000	9	09/09/98	0.0000
10	07/10/98	0.0000	10	08/10/98	1.8500	10	09/10/98	0.0000
11	07/11/98	0.0000	11	08/11/98	1.8700	11	09/11/98	0.0000
12	07/12/98	0.0000	12	08/12/98	1.8700	12	09/12/98	0.0000
13	07/13/98	0.0000	13	08/13/98	1.8800	13	09/13/98	0.0000
14	07/14/98	1.9100	14	08/14/98	0.0000	14	09/14/98	0.0000
15	07/15/98	1.6200	15	08/15/98	0.0000	15	09/15/98	0.0000
16	07/16/98	1.9000	16	08/16/98	0.0000	16	09/16/98	1.7500
17	07/17/98	1.8800	17	08/17/98	0.0000	17	09/17/98	1.8000
18	07/18/98	0.0000	18	08/18/98	0.0000	18	09/18/98	1.8000
19	07/19/98	0.0000	19	08/19/98	0.0000	19	09/19/98	1.7900
20	07/20/98	0.0000	20	08/20/98	0.0000	20	09/20/98	1.7400
21	07/21/98	0.0000	21	08/21/98	0.0000	21	09/21/98	1.7900
22	07/22/98	0.0000	22	08/22/98	0.0000	22	09/22/98	1.5700
23	07/23/98	0.0000	23	08/23/98	0.0000	23	09/23/98	0.0000
24	07/24/98	0.0000	24	08/24/98	0.0000	24	09/24/98	0.0000
25	07/25/98	0.0000	25	08/25/98	1.9700	25	09/25/98	0.0000
26	07/26/98	0.0000	26	08/26/98	1.9000	26	09/26/98	0.0000
27	07/27/98	0.0000	27	08/27/98	1.9600	27	09/27/98	0.0000
28	07/28/98	0.0000	28	08/28/98	1.9100	28	09/28/98	0.0000
29	07/29/98	0.0000	29	08/29/98	1.9500	29	09/29/98	0.0000
30	07/30/98	0.0000	30	08/30/98	1.8600	30	09/30/98	0.0000
31	07/31/98	0.0000	31	08/31/98	1.8700	31	__/__/__	_____

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SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT _____ DATE 10/22/98

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT Invnum: 100369
Point No: A02667 Point Name:DISCHARGE TO PERC PONDS
Latitude: 332604.000 Longitude: 1115331.000
Township: 01N Range : 05E
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Permit: P100369
From: 07 / 01 / 98
To: 09 / 30 / 98

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

Lab ID :_
Lab Name :_____

TEMPERATURE (FIELD)
Storet: TEMFD

Permit Limit: Reserved

	ANALYZED	RESULTS		ANALYZED	RESULTS		ANALYZED	RESULTS
1	07/01/98	0.0000	1	08/01/98	0.0000	1	09/01/98	0.0000
2	07/02/98	0.0000	2	08/02/98	0.0000	2	09/02/98	0.0000
3	07/03/98	0.0000	3	08/03/98	0.0000	3	09/03/98	0.0000
4	07/04/98	0.0000	4	08/04/98	31.8000	4	09/04/98	0.0000
5	07/05/98	0.0000	5	08/05/98	31.8000	5	09/05/98	0.0000
6	07/06/98	0.0000	6	08/06/98	31.8000	6	09/06/98	0.0000
7	07/07/98	0.0000	7	08/07/98	0.0000	7	09/07/98	0.0000
8	07/08/98	0.0000	8	08/08/98	0.0000	8	09/08/98	0.0000
9	07/09/98	0.0000	9	08/09/98	0.0000	9	09/09/98	0.0000
10	07/10/98	0.0000	10	08/10/98	31.7000	10	09/10/98	0.0000
11	07/11/98	0.0000	11	08/11/98	31.9000	11	09/11/98	0.0000
12	07/12/98	0.0000	12	08/12/98	32.1000	12	09/12/98	0.0000
13	07/13/98	0.0000	13	08/13/98	31.9000	13	09/13/98	0.0000
14	07/14/98	30.7000	14	08/14/98	0.0000	14	09/14/98	0.0000
15	07/15/98	30.4000	15	08/15/98	0.0000	15	09/15/98	0.0000
16	07/16/98	30.8000	16	08/16/98	0.0000	16	09/16/98	31.4000
17	07/17/98	31.2000	17	08/17/98	0.0000	17	09/17/98	32.5000
18	07/18/98	0.0000	18	08/18/98	0.0000	18	09/18/98	31.6000
19	07/19/98	0.0000	19	08/19/98	0.0000	19	09/19/98	31.5000
20	07/20/98	0.0000	20	08/20/98	0.0000	20	09/20/98	31.1000
21	07/21/98	0.0000	21	08/21/98	0.0000	21	09/21/98	31.1000
22	07/22/98	0.0000	22	08/22/98	0.0000	22	09/22/98	31.0000
23	07/23/98	0.0000	23	08/23/98	0.0000	23	09/23/98	0.0000
24	07/24/98	0.0000	24	08/24/98	0.0000	24	09/24/98	0.0000
25	07/25/98	0.0000	25	08/25/98	32.7000	25	09/25/98	0.0000
26	07/26/98	0.0000	26	08/26/98	32.1000	26	09/26/98	0.0000
27	07/27/98	0.0000	27	08/27/98	32.1000	27	09/27/98	0.0000
28	07/28/98	0.0000	28	08/28/98	32.2000	28	09/28/98	0.0000
29	07/29/98	0.0000	29	08/29/98	32.9000	29	09/29/98	0.0000
30	07/30/98	0.0000	30	08/30/98	32.8000	30	09/30/98	0.0000
31	07/31/98	0.0000	31	08/31/98	32.1000	31	__/__/__	_____

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELEIVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT _____ DATE 10/2/98

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
Facility: MESA, CITY OF - NW WATER RECL PLANT Invnum: 100369
Point No: A02667 Point Name:DISCHARGE TO PERC PONDS
Latitude: 332604.000 Longitude: 1115331.000 Permit: P100369

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02667 Name : DISCHARGE TO PERC PONDS
Latitude: 332604.000 Longitude: 1115331.000
Township: 01N Range : 05E
Section : 18 Quarter :

Invnum: 100369
Permit: P100369

Monthly Sampling
Quarterly Reporting

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

TOTAL NITROGEN — PERMIT LIMIT: 10.0000 MG/L — ACTION LEVEL: 8.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/15/98	07/31/98	00600	CALCUL	000	=9.0000	MG/L
08/05/98	08/31/98	00600	CALCUL	000	=7.0000	MG/L
09/17/98	09/30/98	00600	CALCUL	000	=8.6000	MG/L

NITRATE-NITRITE AS N — PERMIT LIMIT: 10.0000 MG/L — ACTION LEVEL: 8.0000

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/15/98	07/23/98	00620	EPA	034	=8.4000	MG/L
08/05/98	08/17/98	00620	EPA	034	=6.0000	MG/L
09/17/98	09/22/98	00620	EPA	034	=6.2000	MG/L

TOTAL KJELDAHL NITROGEN — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/15/98	07/20/98	00625	EPA	003	=0.6000	MG/L
08/05/98	08/12/98	00625	EPA	003	=1.0000	MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02667 Name : DISCHARGE TO PERC PONDS
Latitude: 332604.000 Longitude: 1115331.000
Township: 01N Range : 05E
Section : 18 Quarter :

Invnum: 100369
Permit: P100369

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

Quarterly Sampling
Quarterly Reporting

TOTAL FLUORIDE					PERMIT LIMIT 4.0000 MG/L	ACTION LEVEL 3.2000	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
08/26/98	09/02/98	00951	EPA	563	=2.0000 MG/L		MG/L
TOTAL ARSENIC (AS AS)					PERMIT LIMIT 0.0500 MG/L	ACTION LEVEL 0.0400	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
07/15/98	08/17/98	01002	EPA	563	<0.0050 MG/L		MG/L
TOTAL BARIUM					PERMIT LIMIT 2.0000 MG/L	ACTION LEVEL 1.6000	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
07/15/98	08/06/98	01007	EPA	563	<0.0200 MG/L		MG/L
TOTAL CADMIUM (AS CD)					PERMIT LIMIT 0.0050 MG/L	ACTION LEVEL 0.0040	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
07/15/98	08/06/98	01027	EPA	563	=0.0040 MG/L		MG/L
TOTAL CHROMIUM					PERMIT LIMIT 0.1000 MG/L	ACTION LEVEL 0.0800	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
07/15/98	08/06/98	01029	EPA	563	<0.0100 MG/L		MG/L
TOTAL LEAD (AS PB)					PERMIT LIMIT 0.0500 MG/L	ACTION LEVEL 0.0400	
SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
07/15/98	08/17/98	01051	EPA	563	<0.0020 MG/L		MG/L

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

MONTHLY SAMPLING - QUARTERLY REPORTING

Facility: MESA, CITY OF - NW WATER RECL PLANT — Invnum: 100369

Point : A02667 Name : DISCHARGE TO PERC PONDS — Permit: P100369

TOTAL KJELDAHL NITROGEN

PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED	
09/17/98	09/18/98	00625	EPA	562	=2.4000	MG/L	MG/L

MONTHLY AVERAGE FLOW

PERMIT LIMIT: 8.0000 MGD — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION	REPORTED	
07/31/98	07/31/98	74060	CALCUL	000	=2.8300	MGD	MGD
08/31/98	08/31/98	74060	CALCUL	000	=2.7100	MGD	MGD
09/30/98	09/30/98	74060	CALCUL	000	=1.3600	MGD	MGD

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SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT DATE 10/22/98

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - EDR

QUARTERLY SAMPLING - QUARTERLY REPORTING
Facility: MESA, CITY OF - NW WATER RECL PLANT
Point : A02667 Name : DISCHARGE TO PERC PONDS

Invnum: 100369
Permit: P100369

TOTAL SELENIUM (AS SE) — PERMIT LIMIT: 0.0500 MG/L — ACTION LEVEL: 0.0400

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/15/98	07/28/98	01147	EPA	563	<0.0050	MG/L

BROMOFORM — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/15/98	07/28/98	32104	EPA	563	<0.0005	MG/L

DIBROMOCHLORO METHANE — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/15/98	07/28/98	32105	EPA	563	<0.0005	MG/L

CHLOROFORM — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/15/98	07/28/98	32106	EPA	563	=0.0007	MG/L

BROMODICHLORO METHANE — PERMIT LIMIT: Reserved MG/L — ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/15/98	07/28/98	38693	EPA	563	<0.0005	MG/L

TOTAL MERCURY (AS HG) — PERMIT LIMIT: 0.0020 MG/L — ACTION LEVEL: 0.0016

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/15/98	07/29/98	71900	EPA	563	<0.0002	MG/L

TRIHALO METHANE (TTHM) — PERMIT LIMIT: 0.1000 MG/L — ACTION LEVEL: 0.0800

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED	
07/15/98	07/28/98	82080	EPA CALCUL	000	=0.0007	MG/L

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SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT R W Bradford DATE 10/22/98

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point No: A02667
Latitude: 332604.000
Township: 01N
Section: 18

Point Name: DISCHARGE TO PERC PONDS
Longitude: 1115331.000
Range: 05E
Quarter:

Invnum: 100369
Permit: P100369
From: 01/01/99
To: 03/31/99

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

Lab ID: 000

Lab Name: BLANK LABORATORY

PH
Storet: 00400

Permit Limit: Reserve

ANALYZED	RESULTS	ANALYZED	RESULTS	ANALYZED	RESULTS
1/1/99	6.8000	2/1/99	6.9900	3/1/99	7.0000
1/2/99	6.9600	2/2/99	7.0000	3/2/99	7.0000
1/3/99	6.9300	2/3/99	6.9200	3/3/99	7.0000
1/4/99	6.7100	2/4/99	6.9900	3/4/99	7.0000
1/5/99	6.9200	2/5/99	6.7200	3/5/99	6.9000
1/6/99	6.7000	2/6/99	6.9400	3/6/99	7.1000
1/7/99	7.5800	2/7/99	6.9100	3/7/99	7.0000
1/8/99	6.6000	2/8/99	6.9800	3/8/99	7.0000
1/9/99	6.9700	2/9/99	6.9600	3/9/99	7.0000
1/10/99	6.9400	2/10/99	7.0500	3/10/99	7.1000
1/11/99	6.8600	2/11/99	6.9300	3/11/99	7.1000
1/12/99	6.9400	2/12/99	6.9000	3/12/99	6.9000
1/13/99	6.9100	2/13/99	7.1200	3/13/99	6.9000
1/14/99	6.9100	2/14/99	6.9500	3/14/99	6.9000
1/15/99	6.9400	2/15/99	7.0900	3/15/99	7.0000
1/16/99	6.6000	2/16/99	6.9000	3/16/99	7.0000
1717/99	6.7000	2/17/99	6.9100	3/17/99	7.0000
1/18/99	7.0300	2/18/99	6.8900	3/18/99	6.9000
1/19/99	6.8000	2/19/99	6.9600	3/19/99	7.0000
1/20/99	6.8000	2/20/99	6.9000	3/20/99	6.9000
1/21/99	6.6000	2/21/99	6.8000	3/21/99	6.8000
1/22/99	6.7000	2/22/99	6.9300	3/22/99	7.0000
1/23/99	6.8200	2/23/99	6.9400	3/23/99	6.9000
1/24/99	6.8300	2/24/99	6.9400	3/24/99	6.9000
1/25/99	6.8700	2/25/99	6.9600	3/25/99	6.9000
1/26/99	6.8800	2/26/99	6.9800	3/26/99	6.9000
1/27/99	6.9700	2/27/99	6.9100	3/27/99	6.7000
1/28/99	6.8000	2/28/99	7.0200	3/28/99	6.7000
1/29/99	6.8700			3/29/99	6.7000
1/30/99	6.9100			3/30/99	6.9000
1/31/99	7.3000			3/31/99	6.9000

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SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT R W Bradford DATE 4/27/99

EDR Print Date 4/26/99

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point No: A02667
Latitude: 332604.000
Township: 01N
Section: 18

Point Name: DISCHARGE TO PERC PONDS
Longitude: 1115331.000
Range: 05E
Quarter:

Invnum: 100369
Permit: P100369
From: 01/01/99
To: 03/31/99

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

Lab ID: 000
Lab Name: BLANK LABORATORY

SPECIFIC CONDUCTANCE (FIELD)

Storet: SCFLD

Permit Limit: Reserve

ANALYZED	RESULTS	ANALYZED	RESULTS	ANALYZED	RESULTS
1/1/99	1.3300	2/1/99	1.5500	3/1/99	1.3900
1/2/99	1.3500	2/2/99	1.5000	3/2/99	1.4800
1/3/99	1.2200	2/3/99	1.5000	3/3/99	1.5300
1/4/99	1.3800	2/4/99	1.5100	3/4/99	1.6500
1/5/99	1.5000	2/5/99	1.5300	3/5/99	1.7600
1/6/99	1.3900	2/6/99	1.5300	3/6/99	1.6700
1/7/99	1.4900	2/7/99	1.5100	3/7/99	1.6700
1/8/99	1.4400	2/8/99	0.4800	3/8/99	1.6700
1/9/99	1.4500	2/9/99	1.5400	3/9/99	1.6700
1/10/99	1.4800	2/10/99	1.5000	3/10/99	1.7600
1/11/99	1.5500	2/11/99	1.6400	3/11/99	1.7300
1/12/99	1.6100	2/12/99	1.5300	3/12/99	1.7300
1/13/99	1.6100	2/13/99	1.4500	3/13/99	1.6600
1/14/99		2/14/99	1.3200	3/14/99	1.6800
1/15/99	1.6000	2/15/99	1.4400	3/15/99	1.7600
1/16/99	1.6300	2/16/99	1.4600	3/16/99	1.7600
1/17/99	1.5800	2/17/99	1.1900	3/17/99	1.7100
1/18/99	1.3800	2/18/99	1.4800	3/18/99	1.7600
1/19/99	1.6600	2/19/99	1.4100	3/19/99	1.4100
1/20/99	1.2800	2/20/99	1.4400	3/20/99	1.7000
1/21/99	1.7500	2/21/99	1.3700	3/21/99	1.6100
1/22/99	1.6800	2/22/99	1.3700	3/22/99	1.3500
1/23/99	1.6700	2/23/99	1.4300	3/23/99	1.6400
1/24/99	1.6200	2/24/99	1.4300	3/24/99	1.5200
1/25/99	1.6000	2/25/99	1.4700	3/25/99	1.6600
1/26/99	1.7100	2/26/99	1.3400	3/26/99	1.6600
1/27/99	1.7400	2/27/99	1.4900	3/27/99	1.6700
1/28/99	1.6300	2/28/99	1.3600	3/28/99	1.6800
1/29/99	1.5700			3/29/99	1.6700
1/30/99	1.5000			3/30/99	1.6400
1/31/99	1.4800			3/31/99	1.6900

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SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT _____ DATE 4/26/99

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point No: A02667
Latitude: 332604.000
Township: 01N
Section: 18

Point Name: DISCHARGE TO PERC PONDS
Longitude: 1115331.000
Range: 05E
Quarter:

Invnum: 100369
Permit: P100369
From: 01/01/99
To: 03/31/99

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

Lab ID: 000
Lab Name: BLANK LABORATORY

TEMPERATURE (FIELD)

Storet: TEMFD

Permit Limit: Reserve

ANALYZED	RESULTS	ANALYZED	RESULTS	ANALYZED	RESULTS
1/1/99	20.9000	2/1/99	22.5000	3/1/99	23.9000
1/2/99	23.0000	2/2/99	22.6000	3/2/99	24.1000
1/3/99	22.9000	2/3/99	22.3000	3/3/99	24.2000
1/4/99	22.8000	2/4/99	22.5000	3/4/99	23.9000
1/5/99	22.9000	2/5/99	22.9000	3/5/99	24.0000
1/6/99	22.8000	2/6/99	22.5000	3/6/99	23.8000
1/7/99	23.0000	2/7/99	22.6000	3/7/99	24.0000
1/8/99	21.8000	2/8/99	22.7000	3/8/99	23.5000
1/9/99	23.1000	2/9/99	22.6000	3/9/99	23.5000
1/10/99	22.9000	2/10/99	22.7000	3/10/99	23.6000
1/11/99	23.0000	2/11/99	21.9000	3/11/99	23.6000
1/12/99	23.2000	2/12/99	22.1000	3/12/99	23.1000
1/13/99	23.2000	2/13/99	22.2000	3/13/99	23.2000
1/14/99		2/14/99	22.3000	3/14/99	23.6000
1/15/99	23.3000	2/15/99	23.1000	3/15/99	23.6000
1/16/99	22.3000	2/16/99	22.4000	3/16/99	23.5000
1/17/99	22.1000	2/17/99	23.2000	3/17/99	23.2000
1/18/99	23.2000	2/18/99	22.8000	3/18/99	23.9000
1/19/99	22.1000	2/19/99	22.8000	3/19/99	24.7000
1/20/99	22.3000	2/20/99	21.7000	3/20/99	24.2000
1/21/99	23.2000	2/21/99	22.7000	3/21/99	23.9000
1/22/99	22.4000	2/22/99	23.4000	3/22/99	24.3000
1/23/99	23.0000	2/23/99	23.4000	3/23/99	24.0000
1/24/99	23.1000	2/24/99	23.3000	3/24/99	24.5000
1/25/99	23.4000	2/25/99	23.7000	3/25/99	24.4000
1/26/99	23.3000	2/26/99	23.7000	3/26/99	24.7000
1/27/99	23.2000	2/27/99	23.6000	3/27/99	23.8000
1/28/99	21.5000	2/28/99	23.5000	3/28/99	23.9000
1/29/99	23.1000			3/29/99	24.6000
1/30/99	22.5000			3/30/99	25.3000
1/31/99	22.6000			3/31/99	25.3000

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SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT R W Bradford DATE 4/27/99

EDR Print Date: 4/26/99

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point No: A02667
Latitude: 332604.000
Township: 01N
Section: 18

Point Name: DISCHARGE TO PERC PONDS
Longitude: 1115331.000
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Quarter:

Invnum: 100369
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From: 01/01/99
To: 03/31/99
Monthly Sampling
Quarterly Reporting

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

TOTAL NITROGEN PERMIT LIMIT: 10.0000 MG/L ACTION LEVEL: 8.0000 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	1/28/99	00600	CALCULATIO	003	=	6.9300	MG/L
2/3/99	2/17/99	00600	CALCULATIO	003	=	6.5000	MG/L
3/10/99	3/17/99	00600	CALCULATIO	003	=	5.4600	MG/L

NITRATE-NITRITE AS N PERMIT LIMIT: 10.0000 MG/L ACTION LEVEL: 8.0000 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	1/27/99	00620		003	=	6.1900	MG/L
2/3/99	2/11/99	00620		003	=	5.0000	MG/L
3/10/99	3/17/99	00620		003	=	4.9200	MG/L

TOTAL KJELDAHL NITROGEN PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	1/28/99	00625		003	=	0.7400	MG/L
2/3/99	2/17/99	00625		003	=	1.5000	MG/L
3/10/99	3/12/99	00625		003	=	0.5400	MG/L

MONTHLY AVERAGE FLOW PERMIT LIMIT: 8.0000 MGD ACTION LEVEL: 6.4000 MGD

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/31/99	1/31/99	74060	CALCULATIO	000	=	6.0400	MGD
2/28/99	2/28/99	74060	CALCULATIO	000	=	4.9796	MGD
3/31/99	3/31/99	74060	CALCULATIO	000	=	6.3340	MGD

SELF MONITORING REPORT FORM
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility: MESA, CITY OF - NW WATER RECL PLANT
Point No: A02667
Latitude: 332604.000
Township: 01N
Section: 18

Point Name: DISCHARGE TO PERC PONDS
Longitude: 1115331.000
Range: 05E
Quarter:

Invnum: 100369
Permit: P100369
From: 01/01/99
To: 03/31/99
Quarterly Sampling
Quarterly Reporting

City of Mesa Water Quality
Dale Alimena, Env Admin Coord
P.O. Box 1466
Mesa, AZ 85211-

TOTAL FLUORIDE PERMIT LIMIT: 4.0000 MG/L ACTION LEVEL: 3.2000 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	1/25/99	00951		003	=	4.4000	MG/L

TOTAL ARSENIC (AS AS) PERMIT LIMIT: 0.0500 MG/L ACTION LEVEL: 0.0400 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	2/16/99	01002		003	<	0.0300	MG/L

TOTAL BARIUM PERMIT LIMIT: 2.0000 MG/L ACTION LEVEL: 1.6000 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	2/16/99	01007		003	=	0.0200	MG/L

TOTAL CADMIUM (AS CD) PERMIT LIMIT: 0.0050 MG/L ACTION LEVEL: 0.0040 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	2/16/99	01027		003	<	0.0050	MG/L

TOTAL CHROMIUM PERMIT LIMIT: 0.1000 MG/L ACTION LEVEL: 0.0800 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	2/16/99	01029		003	=	0.0100	MG/L

TOTAL LEAD (AS PB) PERMIT LIMIT: 0.0500 MG/L ACTION LEVEL: 0.0400 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	2/26/99	01051		003	<	0.0050	MG/L

TOTAL SELENIUM (AS SE) PERMIT LIMIT: 0.0500 MG/L ACTION LEVEL: 0.0400 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED		
1/21/99	2/16/99	01147		003	<	0.0200	MG/L

CERTIFY UNDER PENTALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE NDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT R W Bradford DATE 4/27/99

EDR Print Date: 4/26/99

BROMOFORM PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/29/99	32104		004	< 0.0005 MG/L

DIBROMOCHLORO METHANE PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/29/99	32105		004	= 0.0050 MG/L

CHLOROFORM PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/29/99	32106		004	= 0.0102 MG/L

BROMODICHLORO METHANE PERMIT LIMIT: Reserved ACTION LEVEL: No Action Level

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/29/99	38693		004	= 0.0100 MG/L

TOTAL MERCURY (AS HG) PERMIT LIMIT: 0.0020 MG/L ACTION LEVEL: 0.0016 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/26/99	71900		003	< 0.0002 MG/L

TRIHALO METHANE (TTHM) PERMIT LIMIT: 0.1000 MG/L ACTION LEVEL: 0.0800 MG/L

SAMPLE DATE	ANALYSIS DATE	STORET	METHOD	LAB ID	CONCENTRATION REPORTED
1/21/99	1/29/99	82080	CALCULATIO	004	= 0.0252 MG/L

I CERTIFY UNDER PENTALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINES AND IMPRISONMENT.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT [signature] DATE 4/27/99

EDR Print Date: 4/26/99

POINTNAME	PREFIX	NAME	SAMPLEDATE	RPTCONC	
DISCHARGE TO PERC PONDS		BROMOFORM	1/21/99	<	0.0005
		BROMOFORM	5/12/99	=	0.0059
	TOTAL	CADMIUM (AS CD)	1/21/99	<	0.0050
	TOTAL	CADMIUM (AS CD)	5/12/99	<	0.0010
		CARBOFURAN	1/21/99	<	0.5000
		CARBOFURAN	2/5/99	<	0.5000
		CARBON TETRACHLORIDE	1/21/99	<	0.5000
		CARBON TETRACHLORIDE	1/21/99	<	0.5000
		CHLORDANE	1/21/99	<	0.5000
		CHLORDANE	1/21/99	<	0.5000
	VINYL	CHLORIDE	1/21/99	<	0.5000
	VINYL	CHLORIDE	1/21/99	<	0.5000
		CHLOROFORM	1/21/99	=	0.0102
		CHLOROFORM	5/12/99	=	0.0065
	TOTAL	CHROMIUM	1/21/99	=	0.0100
	TOTAL	CHROMIUM	5/12/99	<	0.0100
		ENDRIN	1/21/99	<	0.5000
		ENDRIN	1/21/99	<	0.5000
	1,1,1-TRICHLORO	ETHANE	1/21/99	<	0.5000
	1,1,1-TRICHLORO	ETHANE	1/21/99	<	0.5000
	1,2-DICHLORO	ETHANE	1/21/99	<	0.5000
	1,2-DICHLORO	ETHANE	1/21/99	<	0.5000
	CIS-1,2-DICHLORO	ETHENE	1/21/99	<	0.5000
	CIS-1,2-DICHLORO	ETHENE	1/21/99	<	0.5000
	1,1-DICHLORO	ETHYLENE	1/21/99	<	0.5000

POINTNAME	PREFIX	NAME	SAMPLEDATE	RPTCONC	
DISCHARGE TO PERC PONDS	2,4-DICHLOROPHENO	ACETIC ACID	1/21/99	<	0.1000
	2,4-DICHLOROPHENO	ACETIC ACID	1/21/99	<	0.1000
		ALACHLOR	1/21/99	<	1.0000
		ALACHLOR	1/21/99	<	1.0000
	TOTAL	ARSENIC (AS AS)	1/21/99	<	0.0300
	TOTAL	ARSENIC (AS AS)	5/12/99	<	0.0100
		ATRAZINE	1/21/99	<	1.0000
		ATRAZINE	1/21/99	<	1.0000
	TOTAL	BARIUM	1/21/99	=	0.0200
	TOTAL	BARIUM	5/12/99	=	0.0200
		BENZENE	1/21/99	<	0.5000
		BENZENE	1/21/99	<	0.5000
	ETHYL	BENZENE	1/21/99	<	0.5000
	ETHYL	BENZENE	1/21/99	<	0.5000
	MONOCHLORO	BENZENE	1/21/99	<	0.5000
	MONOCHLORO	BENZENE	1/21/99	<	0.5000
	O-DICHLORO	BENZENE	1/21/99	<	0.5000
	O-DICHLORO	BENZENE	1/21/99	<	0.5000
	PARA-DICHLORO	BENZENE	1/21/99	<	0.6000
	PARA-DICHLORO	BENZENE	1/21/99	=	0.6000
	POLYCHLORINATED	BIPHENOLS	1/21/99	<	0.1000
	POLYCHLORINATED	BIPHENOLS	1/21/99	<	0.1000

POINTNAME	PREFIX	NAME	SAMPLEDATE	RPTCONC	
DISCHARGE TO PERC PONDS	BROMODICHLORO	METHANE	1/21/99	=	0.0100
	BROMODICHLORO	METHANE	5/12/99	=	0.0005
	DIBROMOCHLORO	METHANE	1/21/99	=	0.0050
	DIBROMOCHLORO	METHANE	5/12/99	=	0.0039
	TRIHALO	METHANE (TTHM)	1/21/99	=	0.0252
	TRIHALO	METHANE (TTHM)	5/12/99	=	0.0168
		METHOXYCHLOR	1/21/99	<	0.5000
		METHOXYCHLOR	1/21/99	<	0.5000
		NITRATE-NITRITE AS N	1/21/99	=	6.1900
		NITRATE-NITRITE AS N	2/3/99	=	5.0000
		NITRATE-NITRITE AS N	3/10/99	=	4.9200
		NITRATE-NITRITE AS N	4/22/99	=	4.5400
		NITRATE-NITRITE AS N	5/12/99	=	1.9500
	TOTAL	NITROGEN	1/21/99	=	6.9300
	TOTAL	NITROGEN	2/3/99	=	6.5000
	TOTAL	NITROGEN	3/10/99	=	5.4600
	TOTAL	NITROGEN	4/22/99	=	7.2500
	TOTAL	NITROGEN	5/12/99	=	2.2500
	TOTAL KJELDAHL	NITROGEN	1/21/99	=	0.7400
	TOTAL KJELDAHL	NITROGEN	2/3/99	=	1.5000
	TOTAL KJELDAHL	NITROGEN	3/10/99	=	0.5400
	TOTAL KJELDAHL	NITROGEN	4/22/99	=	2.7100
	TOTAL KJELDAHL	NITROGEN	5/12/99	=	0.3000
	1,2-DICHLORO	PROPANE	1/21/99	<	0.5000
	1,2-DICHLORO	PROPANE	1/21/99	<	0.5000

POINTNAME	PREFIX	NAME	SAMPLEDATE	RPTCONC	
DISCHARGE TO PERC PONDS	1,1-DICHLORO	ETHYLENE	1/21/99	<	0.5000
	TETRACHLORO	ETHYLENE	1/21/99	<	0.5000
	TETRACHLORO	ETHYLENE	1/21/99	<	0.5000
	TRANS-1,2-DICHLORO	ETHYLENE	1/21/99	<	0.5000
	TRANS-1,2-DICHLORO	ETHYLENE	1/21/99	<	0.5000
	TRICHLORO	ETHYLENE	1/21/99	<	0.5000
	TRICHLORO	ETHYLENE	1/21/99	<	0.5000
		ETHYLENE DIBROMIDE	1/21/99	<	0.0100
		ETHYLENE DIBROMIDE	1/21/99	<	0.0100
	MONTHLY AVERAGE	FLOW	1/31/99	=	6.0400
	MONTHLY AVERAGE	FLOW	2/28/99	=	4.9796
	MONTHLY AVERAGE	FLOW	3/31/99	=	6.3340
	MONTHLY AVERAGE	FLOW	4/1/99	=	5.7300
	MONTHLY AVERAGE	FLOW	5/1/99	=	3.2800
	TOTAL	FLUORIDE	1/21/99	=	4.4000
		HEPTACHLOR	1/21/99	<	0.2000
		HEPTACHLOR	1/21/99	<	0.2000
		HEPTACHLOR EPOXIDE	1/21/99	<	0.1000
		HEPTACHLOR EPOXIDE	1/21/99	<	0.1000
	TOTAL	LEAD (AS PB)	1/21/99	<	0.0050
	TOTAL	LEAD (AS PB)	5/12/99	=	0.0170
		LINDANE	1/21/99	<	0.1000
		LINDANE	1/21/99	<	0.1000
	TOTAL	MERCURY (AS HG)	1/21/99	<	0.0002
	TOTAL	MERCURY (AS HG)	5/12/99	<	0.0002

POINTNAME	PREFIX	NAME	SAMPLEDATE		RPTCONC
DISCHARGE TO PERC PONDS	1,2-DIBROMO-3-CHLORO	PROPANE (DBCP)	1/21/99	<	0.0100
	1,2-DIBROMO-3-CHLORO	PROPANE (DBCP)	1/21/99	<	0.0100
	2,4,5-TP OR SILVEX	PROPIONIC ACID	1/21/99	<	0.2000
	2,4,5-TP OR SILVEX	PROPIONIC ACID	1/21/99	<	0.2000
	TOTAL	SELENIUM (AS SE)	1/21/99	<	0.0200
	TOTAL	SELENIUM (AS SE)	5/12/99	<	0.0200
		STYRENE	1/21/99	<	0.5000
		STYRENE	1/21/99	<	0.5000
		TOLUENE	1/21/99	<	0.5000
		TOLUENE	1/21/99	<	0.5000
		TOXAPHENE	1/21/99	<	0.1000
		TOXAPHENE	1/21/99	<	0.1000
	TOTAL	XYLENE	1/21/99	<	0.5000
	TOTAL	XYLENE	1/21/99	<	0.5000

AQUATIC CONSULTING & TESTING, INC.

1525 W. University Drive, Suite 106
P.O. Box 1510
Tempe, Arizona 85281
Phone: (480) 921-8044 • FAX: (480) 921-0049

Lic. No. AZ0003

LABORATORY REPORT

Client: City of Mesa
Utility Operations
P.O. Box 1466
Mesa, AZ 85211-1466

Attn: Scott Bouchie

Date Submitted: 06/23/99
Date Reported: 07/06/99

Sample Type: Aqueous
Sample Date: 06/23/99
Sample Time: 09:20

Project No.: NWPAPP062399PONDS
Client ID: 99QTR2
AC&T Lab No.: BE06710

RESULTS

Parameter	Method No.	MDL	Analysis Date	Result	Unit	Analyst
Fluoride	SM 4500F- C	0.1	07/02/99	5.9	mg/L	AM

Reviewed by: Frederick A. Amalfi, Ph.D.
Laboratory Director

bma.

RECEIVED
JUL 0 9 1999
SCOTT BOUCHIE
CITY OF MESA