Stormwater Quality Report

July 1, 1997 – June 30, 1998

For

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Mesa 1998 Water Quality Data Report

Introduction

This report presents hydrologic and water quality data from the five land based monitoring sites within the city of Mesa, Arizona. Data in this 1998 report were collected from July 1, 1997 through June 30, 1998. The report is divided into five sections. The first section gives a description of each site including a photograph. The second section provides average event mean concentrations and pollutant loadings for 1998. The third section gives a tabular printout of the hydrologic and water quality data for 1998. The fourth section contains the storm hyrdrographs for 1998. The last section has the chains-of-custody forms, laboratory reports, quality control reports, and maintenance and calibration records.

Sample Collection

Sample collection procedures at each site are essentially identical. A Sigma 800 automatic sampler is used to collect a first flush grab sample and a flow-weighted composite sample. The sampler has eight, 1.9 liter glass bottles for sample collection. A flow meter and rain gauge are attached to the sampler for gathering rainfall and runoff data. Grab samples have also been taken from local runoff near the sampler site.

The first flush grab sample is taken in bottles one and two of the sampler. Both bottles are filled during the first twenty minutes after activation of the sampler. Sampler activation requires 0.05 inches of rain within one hour and a pipe level of 0.5 inches.

The flow-weighted composite sample is collected in the remaining six bottles after the first flush grab sample is complete. Four samples are collected in each bottle, for a total of twenty-four samples. It is most desirable to collect the flow-weighted composite samples during the rising and falling limbs of the storm hydrograph. The twenty-four samples are collected based on a volume of water passing over the gauge. The volume is different for each site due to various basin characteristics among the sites. Each volume is set up before the storm and generally is not changed from storm to storm. The storm hydrographs in the back of this report show that most of the event sampling occurred over most or all of the hydrograph. Adjustments are made as needed.

1998 Sampling History

There were a few equipment-related problems during the past year which affected sampling. Another problem is with the grab sampling technique which is discussed before a brief discussion of each site.

Grab Sampling Issues

Grab sample collection via the automatic sampler is truly not valid for VOC, Oil and Grease, and bacterial samples. Collection via the automatic sampler has been the method most employed for collecting grab samples. The other method used has been collecting grab samples from street runoff near the sampler location. However, this is not a valid collection method because the street sample point is not representative of the entire sub-basin being sampled. The grab sample technique is currently under evaluation and will be discussed in a separate, forthcoming document.

Mesa 1 – Horne and Sixth Street

No significant equipment related problems. There was a calibration problem where the pumped sample was half what it should have been. This has been corrected.

Mesa 2 – Broadway west of Lindsay Road

In February 1998, the rain gauge at this site failed. Eventually a replacement rain gauge was installed. However, the problem persisted. Repeated tests conducted after the gauge was fixed indicated that the equipment would function properly during the next event. Still, the problem continued. The sampler 'head' which includes the electronic controls and the level sensor was replaced to determine the cause. Finally, the rain gage was replaced again in July 1998. During a small storm event in July 1998, the sampler activated and operated properly. The problem appears to be fixed.

Mesa 3 – Falcon Field

No significant equipment problems. However, upon removal of the manhole cover after a small event in July 1998, a lot of water (approximately 12 inches) was present in the pipe. The water was present two days after the last recorded rainfall. There may be some blockage downstream in the pipe, or it may have settled and the slope changed so water is not properly drained.

Mesa 4 – Horne and Grandview

Electric power was out from (at least) January 1998 through May 1998. A solar panel was installed during this time to ensure that power was available to operate the sampler. The A/C power is again working.

Mesa 5 – Dobson Road

There was considerable difficulty with the level sensing pressure transducer. The flow readings (converted from the level information by the sampler) were very erratic. The pressure transducer was replaced and calibrated twice during the sampling year. The transducer and level sensing seems to be operating properly now.

Computations

In the Pollutant Loading section of this report, two types of calculations were made: averages and pollutant loads. Average values were calculated without regard to those pollutants that did not appear above their respective detection limits. In other words, any pollutant below detection limit was not used in the calculation of averages. For pollutant loading, any pollutant not detected above the detection limit was assumed to be zero. Similarly, when no analysis was done for a pollutant, the value was set to zero.

Laboratory Data

Laboratory data is reviewed prior to and during entry into an Excel spreadsheet for electronic storage. However, the use of qualifiers and other notations has not been used to this point. Starting with storms after July 1, 1998, data reports from the lab will be reviewed and a newly developed review sheet will be completed and included with lab data. These review sheets will be included with laboratory data beginning with the July 1999 report.

Abbreviations Used

AEN:	American Environmental Network (testing laboratory)
ATI:	Analytical Technologies, Inc. (testing laboratory)
BDL:	Below detection limit
BOLIN:	Bolin Laboratories (testing laboratory)
CFU:	Colony Forming Unit (bacteria samples)
D or d:	Dissolved (as in dissolved metals)
kXXXX:	Estimated parameter
mg/L:	Milligrams per liter
NC:	Not Calculated, as in statistics when dividing by zero
NM:	Not measured
NNS:	No numeric standard
NPDES:	National Pollutant Discharge Elimination System
NWQL:	National Water Quality Laboratory (testing laboratory)
T or t:	Total (as in total metals)
UA:	Unavailable
ug/L:	Micrograms per liter
USGS:	United States Geological Survey
WESTECH:	Westech Laboratories (testing laboratory)
--	Sample not analyzed for this analyte
<	Less than
>	Greater than

Definitions:

Fiscal Year – July 1 through June 30.

Winter Season – October 1 through May 31. Storms in the winter season are characterized by low intensity storms of longer duration, with the general airflow from the west.

Summer Season – June 1 through September 30. Storms in a summer season are characterized by brief, intense storms, with the general airflow from the south.

Pollutant Load – Calculated from the event mean concentration and the storm runoff.

$$X(mg/L) \times Y(ft^3) \times 3.748(L/gallon) \times 7.48(gallon/ft^3) \times 10^{-6}(Kg/mg) \times 0.455(lb/Kg) \times 32.2(lb/lbm)$$

(For ug/L, the above expression is divided by 10^{-9} Kg/ug instead of 10^{-6} Kg/mg)

Pollutant loads for pollutants below detection limits were treated as though the pollutant concentration was zero.

Averages were calculated without regard to the pollutants below detection limits. In other words, if a value for zinc was below the detection limit, then that value did not figure into the averaging.

Representative Event:

A representative event is defined below.

	Summer	**Winter**
Rainfall	0.24 – 0.72 inch	0.22 – 0.66 inch
Duration	144 – 432 minutes	354 – 1062 minutes

There must also be 72 hours of no rain before the representative event.

Contents

Part I:	Site Descriptions
Part II:	Pollutant Loading
Part III:	Water Quality Data
Part IV:	Storm Hydrographs
Part V:	Laboratory Data/QC Data/Maintenance Logs

SITE DESCRIPTIONS

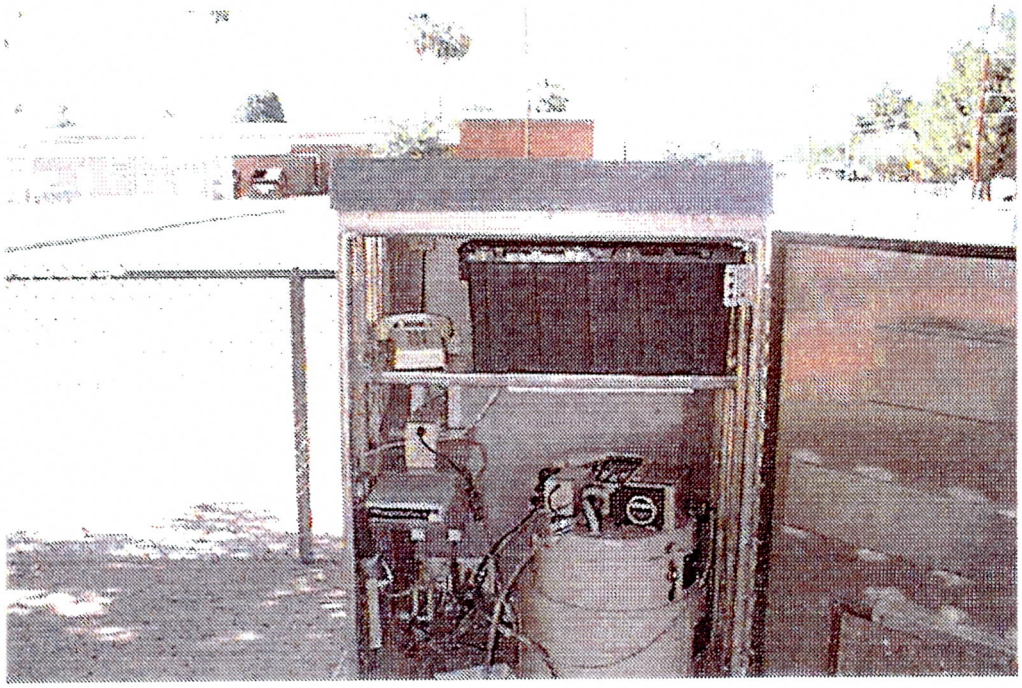
Mesa 1
Horne and Sixth Street

S14 T1N R5E

Southeast corner of Horne and Sixth Street

Site Description:	**Gage collects runoff from a residential land use sub basin, approximately 193 acres. The storm drain is a 36 inch concrete pipe.**
Equipment:	**Sigma 800SL automatic sampler with integral flowmeter. An external autodialer and modem are attached for communications. Electric power and telephone service is available at this site.**

Mesa 1: Horne and Sixth Street



Mesa 2
Broadway Road west of Lindsay

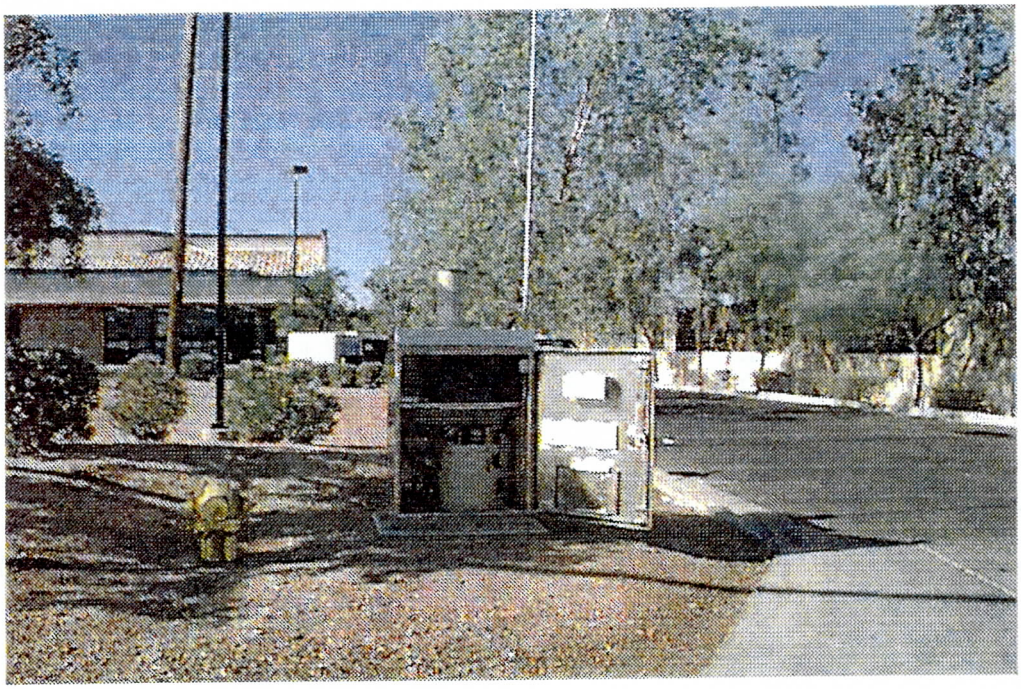
S30 T1N R6E

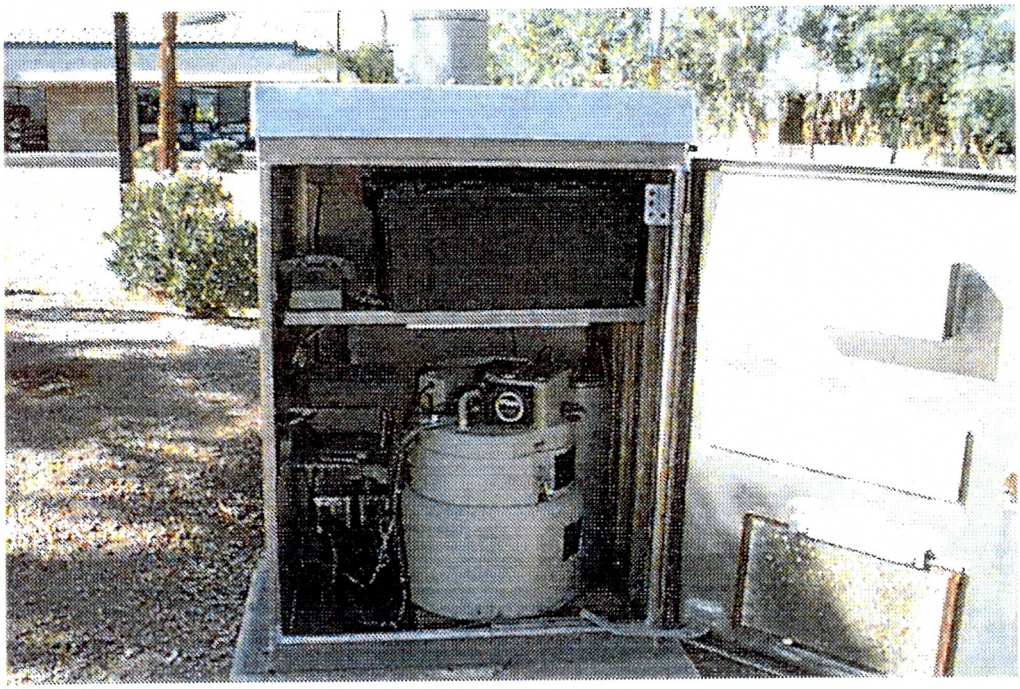
Northwest corner of shopping center at southwest corner of Broadway and Lindsay Roads.

Site Description: **Gage collects runoff from a residential land use sub basin, approximately 145 acres. The storm drain is a 72 inch concrete pipe.**

Equipment: **Sigma 800SL automatic sampler with integral flowmeter. An external autodialer and modem are attached for communications. Electric power and telephone service is available at this site.**

Mesa 2: Broadway Road west of Lindsay





Mesa 3
Falcon Field

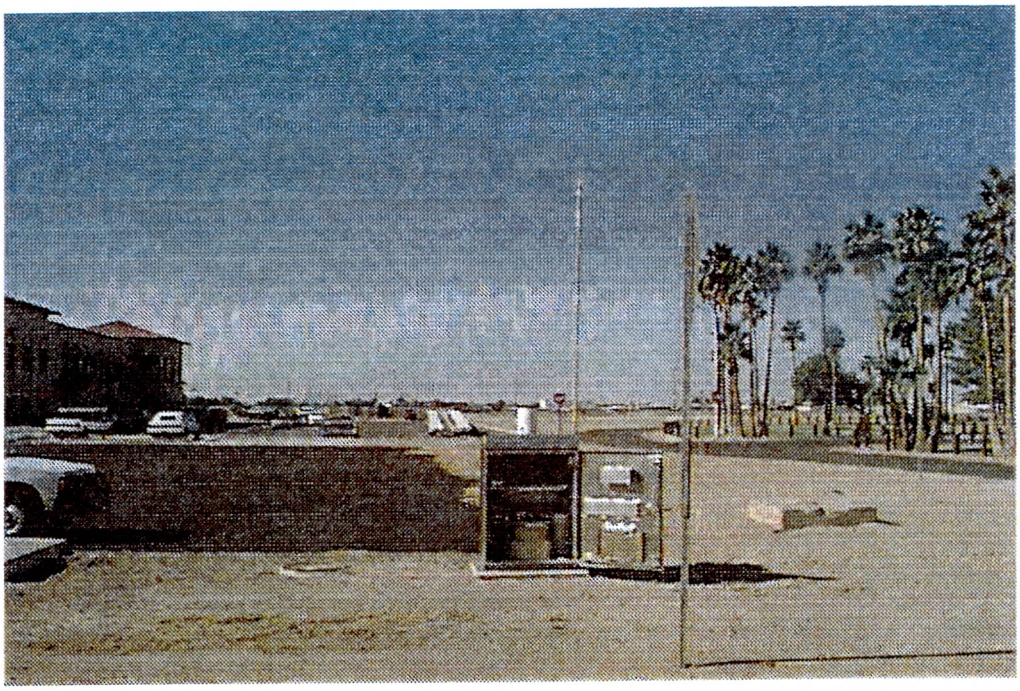
S03 T1N R6E

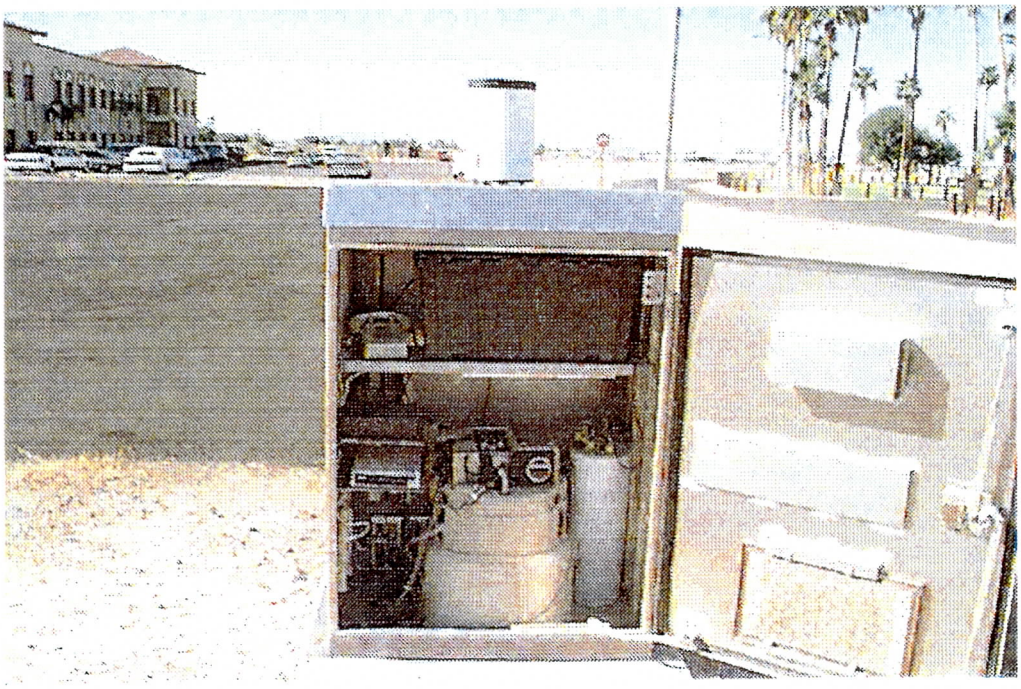
Northeast corner of Falcon Park at Falcon Field airport.

Site Description: **Gage collects runoff from a residential land use sub basin, approximately 171 acres. The storm drain is a 48 inch concrete pipe.**

Equipment: **Sigma 800SL automatic sampler with integral flowmeter. An external autodialer and modem are attached for communications. Electric power and telephone service is available at this site.**

Mesa 3: Falcon Field





Mesa 4
Horne and Grandview

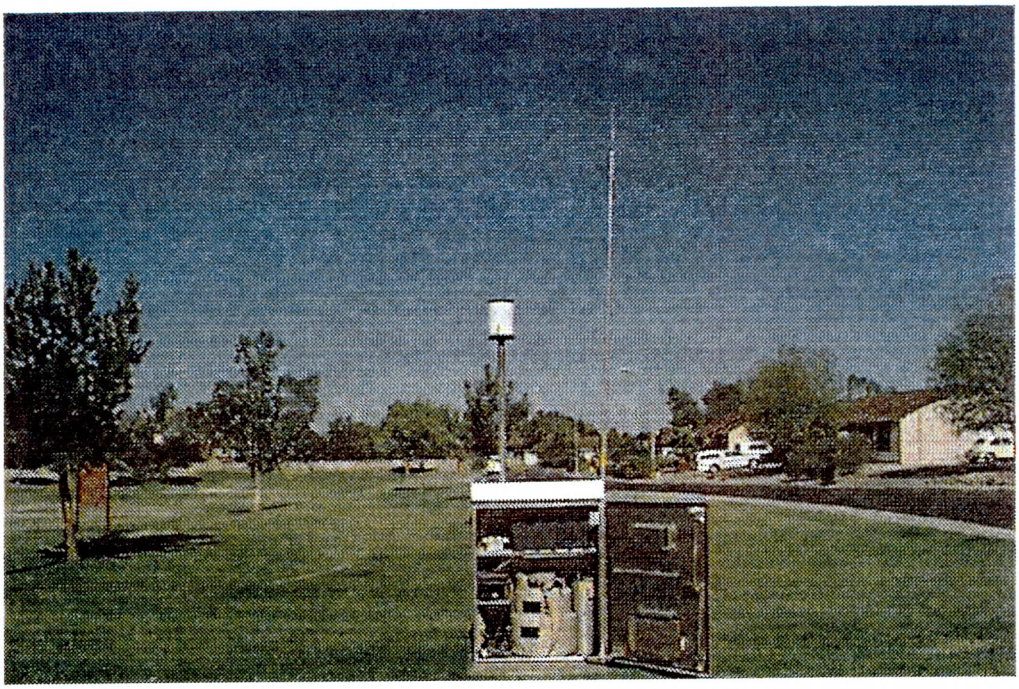
S11 T1N R5E

Southwest corner of Horne and Grandview

Site Description: **Gage collects runoff from a residential land use sub basin, approximately 66 acres. The storm drain is a 54 inch concrete pipe.**

Equipment: **Sigma 800SL automatic sampler with integral flowmeter. An external autodialer and modem are attached for communications. Electric power and telephone service is available at this site.**

Mesa 4: Horne and Grandview



Mesa 5
Dobson Road south of Broadway

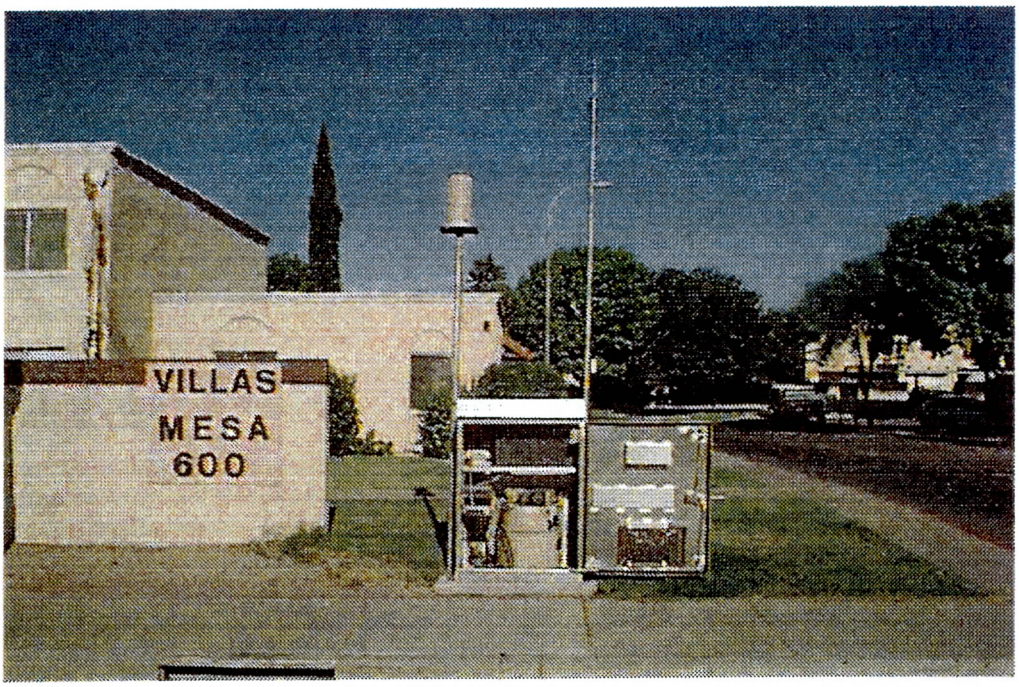
S30 T1N R5E

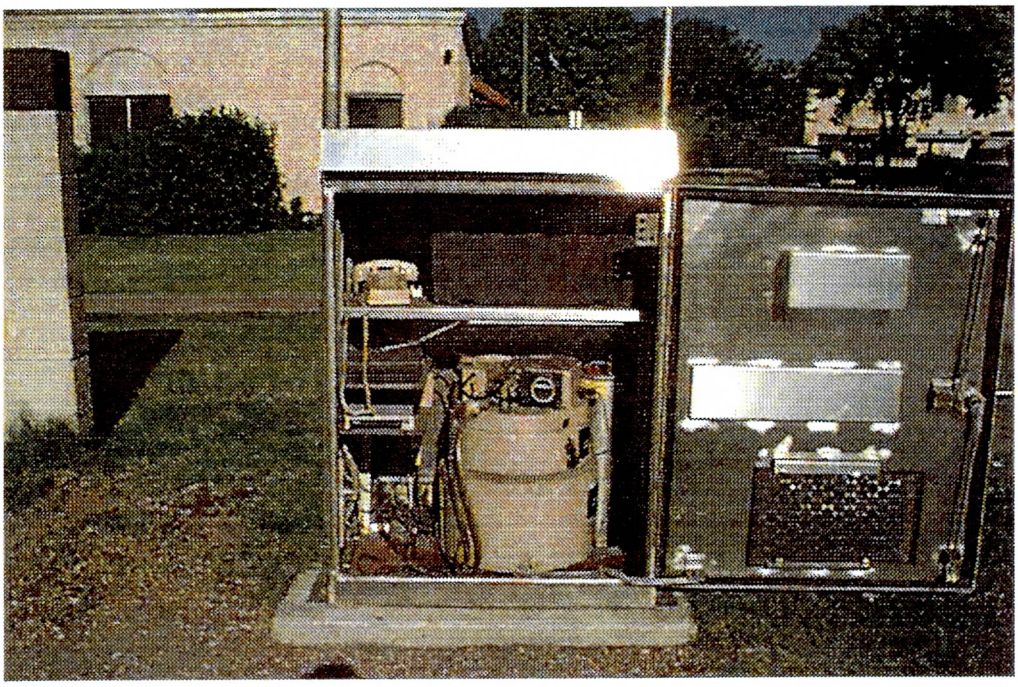
Approximately ¼ mile south of Broadway on west side of Dobson Road

Site Description: **Gage collects runoff from a residential land use sub basin, approximately 62 acres. The storm drain is a 30 inch concrete pipe.**

Equipment: **Sigma 800SL automatic sampler with integral flowmeter. An external autodialer and modem are attached for communications. Electric power and telephone service is available at this site.**

Mesa 5: Dobson Road south of Broadway





POLLUTANT LOADING

Mesa 1
Horne and Sixth Street

Mesa 1 - Horne and Sixth Street	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
BOD5 (mg/l)	43	45	42	3608	803	2805
COD High Level (mg/l)	155	409	92	13178	7545	5633
Chloride (mg/l as Cl)	9	22	6.4	536	300	235
Cyanide Total (mg/l as Cn)	0.02	0.01	0.02	0.48	0.14	0.34
Fecal Coliform (CFU/100mL)	36614	114667	7344			
Fecal Streptococci (CFU/100mL)	11629	13667	10865			
Solids Residue at 180 Deg. C (TDS) (mg/l)	66.3	156	56	6013	2128	3884
Residue, Total at 105 Deg. C (TSS) (mg/l)	126	54	135	9172	737	8435
Nitrogen No2 + No3, Total (mg/l as N)	0.67	2	0.49	59	25	34
TKN Nitrogen (mg/l as N)	2.9	6	1.8	195	115	81
Nitrogen, Ammonia + Organic, Total (mg/l as N)	2.4	7	1.8	185	95	90
Nitrogen Nitrate Total (mg/l as N)	0.66	2	0.48	58	25	33
Nitrogen Nitrite Total (mg/l as N)	BDL	BDL	BDL	0	0	0
Nitrogen Ammonia Total (mg/l as N)	1.5	2.1	1.3	108	39	69
Nitrogen Organic Total (mg/l as N)	1.2	4.6	0.57	83	62	21
Phosphorous Total (mg/l as P)	0.75	1.1	0.66	56	15	41
Phosphorous Dissolved (mg/l as P)	0.30	0.47	0.26	26	8.2	18
Phosphorous Ortho (mg/l as P)	0.16	0.11	0.17	12	0.74	12
Sulfate Dissolved (mg/l)	8.3	8	8.3	628	218	409
Hexavalent Chromium Total (mg/l)	BDL	BDL	BDL	0	0	0
Phenols Total Recoverable (ug/l)	28.7	0	36	2.2	0	2.2
Oil and Grease Total Recoverable (mg/l)	BDL	BDL	BDL	0	0	0
Organic Carbon, Total (mg/l)	19	BDL	19	1178	0	1178
Bicarbonate Whole Field (mg/l as HCo3)	NS	NS	NS	0	0	0
Bicarbonate Dissolved, Field (mg/l as HCo3)	NS	NS	NS	0	0	0
Carbonate Water Field (mg/l as Co3)	NS	NS	NS	0	0	0
Carbonate Water Dissolved, Field, (mg/l as Co3)	NS	NS	NS	0	0	0
Alkalinity Water Field Total (mg/l as CaCo3)	NS	NS	NS	0	0	0
Alkalinity Dissolved Water Field Total (mg/l as CaCo3)	NS	NS	NS	0	0	0
Alkalinity LAB (mg/l as CaCo3)	26	36	25			
Silica Dissolved (mg/l as SiO2)	NS	NS	NS	0	0	0
Hardness (mg/l)	43	62	39			
Antimony (ug/l as Sb)	BDL	BDL	BDL	0	0	0

Mesa 1 - Horne and Sixth Street	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Antimony Dissolved (ug/l as Sb)	BDL	BDL	BDL	0	0	0
Arsenic Total (ug/l as As)	BDL	BDL	BDL	0	0	0
Arsenic Dissolved (ug/l as As)	6	BDL	6	0.05	0	0.05
Barium Dissolved (ug/l as Ba)	NS	NS	NS	0	0	0
Beryllium Total Recoverable (ug/l as Be)	2	2	BDL	0.01	0.01	0
Beryllium Dissolved (ug/l as Be)	BDL	BDL	BDL	0	0	0
Cadmium Total Recoverable (ug/l as Cd)	0.43	0.72	0.39	0.02	0.00	0.02
Cadmium Dissolved (ug/l as Cd)	1.2	0.31	1.7	0.05	0.01	0.05
Calcium Dissolved (mg/l as Ca)	NS	NS	NS	0	0	0
Chromium Total Recoverable (ug/l as Cr)	5.9	7.1	5.6	0.49	0.11	0.38
Chromium Dissolved (ug/l as Cr)	1.7	2.2	1.6	0.14	0.04	0.11
Cobalt Dissolved (ug/l as Co)	NS	NS	NS	0	0	0
Copper, Total Recoverable, (ug/l as Cu)	27	48	22	2.0	0.61	1.3
Copper, Dissolved, (ug/l as Cu)	16	19	16	1.2	0.32	0.89
Iron, Dissolved, (ug/l as Fe)	NS	NS	NS	0	0	0
Lead, Total Recoverable, (ug/l as Pb)	11	17	10	0.97	0.28	0.69
Lead, Dissolved, (ug/l as Pb)	14	16	13	0.33	0.13	0.20
Lithium, Dissolved, (ug/l as Li)	NS	NS	NS	0	0	0
Magnesium, Dissolved, (mg/l as Mg)	NS	NS	NS	0	0	0
Manganese, Dissolved, (ug/l as Mn)	NS	NS	NS	0	0	0
Mercury, Total Recoverable, (ug/l as Hg)	0.2	BDL	0.2	0.0017	0	0.0017
Mercury, Dissolved, (ug/l as Hg)	BDL	BDL	BDL	0	0	0
Molybdenum, Dissolved, (ug/l as Mo)	NS	NS	NS	0	0	0
Nickel, Total Recoverable, (ug/l as Ni)	6.8	12	5.8	0.27	0.04	0.23
Nickel, Dissolved, (ug/l as Ni)	4.2	6.6	3.7	0.17	0.02	0.15
Potassium, Dissolved, (mg/l as K)	NS	NS	NS	0	0	0
Selenium, Total, (ug/l as Se)	BDL	BDL	BDL	0	0	0
Selenium, Dissolved, (ug/l as Se)	BDL	BDL	BDL	0	0	0
Silver, Total Recoverable, (ug/l as Ag)	BDL	BDL	BDL	0	0	0
Silver, Dissolved, (ug/l as Ag)	BDL	BDL	BDL	0	0	0
Sodium, Dissolved, (mg/l as Na)	NS	NS	NS	0	0	0
Strontium, Dissolved, (ug/l as Sr)	NS	NS	NS	0	0	0
Thallium, Total, (ug/l as Tl)	2	BDL	2	0.01	0	0.01

Mesa 1 - Horne and Sixth Street	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Thallium, Dissolved, (ug/l as Tl)	BDL	BDL	BDL	0	0	0
Vanadium, Dissolved, (ug/l as V)	NS	NS	NS	0	0	0
Zinc, Total Recoverable, (ug/l as Zn)	123	208	104	11	3.7	7.1
Zinc, Dissolved, (ug/l as Zn)	107	199	87	9.4	3.4	6.0
Diazinon, Total, (ug/l)	NS	NS	NS	0	0	0
Ethion, Total, (ug/l)	NS	NS	NS	0	0	0
Malathion, Total, (ug/l)	NS	NS	NS	0	0	0
Methyl Parathion, Total, (ug/l)	NS	NS	NS	0	0	0
Parathion, Total, (ug/l)	NS	NS	NS	0	0	0
Trithion, Total, (ug/l)	NS	NS	NS	0	0	0
Di-syston, Total, (ug/l)	NS	NS	NS	0	0	0
Phorate, Total, (ug/l)	NS	NS	NS	0	0	0
Chlorpyrifos, Total, (ug/l)	NS	NS	NS	0	0	0
DEF, Total, (ug/l)	NS	NS	NS	0	0	0
Fonofos(Dy-fonate), WWT, (ug/l)	NS	NS	NS	0	0	0
Aldrin, Total, (ug/l)	BDL	BDL	BDL	0	0	0
BHC - ALPHA, (ug/l)	BDL	BDL	BDL	0	0	0
BHC - Gamma (Lindane), (ug/l)	BDL	BDL	BDL	0	0	0
BHC - DELTA, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1016, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1221, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1232, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1242, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1248, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1254, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1260, PCB, Total, (ug/L)	BDL	BDL	BDL	0	0	0
Chlordane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
P,P' DDD, Total, (ug/l)	BDL	BDL	BDL	0	0	0
P,P' DDE, Total, (ug/l)	BDL	BDL	BDL	0	0	0
P, P' DDT, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dieldrin, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endo-Sulfan Alpha, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endo-Sulfan Beta, Total, (ug/l)	BDL	BDL	BDL	0	0	0

Mesa 1 - Horne and Sixth Street	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Endo-Sulfan Sulfate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endrin Aldehyde, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endrin, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Heptachlor, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Heptachlor Epoxide, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Toxaphene, Total, (ug/l)	NS	NS	NS	0	0	0
Methoxychlor, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Beta Benzene Hexachloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,2,2-Tetrachloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,1,2-Tetrachloroethane, Total,(ug/l)	NS	NS	NS	0	0	0
Tetrachloroethene, PCE, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,1- Trichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,2- Trichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Trichloroethene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1- Dichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1- Dichloroethene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Dichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Dichloropropane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2- Chloroethylvinyl Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
cis-1,3-Dichloropropene, (ug/l)	BDL	BDL	BDL	0	0	0
trans-1,2- Dichloroethene, (ug/l)	BDL	BDL	BDL	0	0	0
trans-1,3- Dichloropropene, (ug/l)	BDL	BDL	BDL	0	0	0
Benzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bromodichloromethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bromoform, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Carbon Tetrachloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chloroethane, (ug/l)	BDL	BDL	BDL	0	0	0
Chloroform, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Ethyl-Benzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Methylene Chloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Toluene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Trichlorofluoromethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0

Mesa 1 - Horne and Sixth Street	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Vinyl Chloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chlorodibromomethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
4- Methyl, 2- Pentanone, (MIBK), Total, (ug/L)	BDL	BDL	BDL	0	0	0
Acetone, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Butanone, (ug/l)	BDL	BDL	BDL	0	0	0
Carbon Disulfide, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2 Dichloroethene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Xylenes, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Hexanone, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Styrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acrolein, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acrylonitirile, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bromobenzene, Water Whole, Total, (ug/l)	NS	NS	NS	0	0	0
1,3-Dichloropropane, Water Whole, Total, (ug/l)	NS	NS	NS	0	0	0
Methyl Bromide, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Methyl Chloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Parachloro Toluene, Total, (ug/l)	NS	NS	NS	0	0	0
Dibromoethane, Total, (ug/l)	NS	NS	NS	0	0	0
Acenaphthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acenaphthylene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Anthracene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzidine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzoic Acid, Total, (ug/l)	15	15	BDL	0.20	0.20	0
Benzo (a) Anthracene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (b) Fluoranthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (k) Fluoranthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (ghi) Perylene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (a) Pyrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzyl Alcohol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis-(2-Chloroethoxy)-Methane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis-(2-Chloroethyl)-Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis-(2-Chloroisopropyl)-Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis(2-Ethyl Hexyl) Phthalate, Total, (ug/l)	64	97	59	4.6	1.3	3.2

Mesa 1 - Horne and Sixth Street	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
4-Bromo-Phenyl Phenyl Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Butyl Benzyl Phthalate, Total, (ug/l)	94	94	BDL	1.3	1.3	0
2-Chloronapthalene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Chlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
4-Chloro-Phenyl Phenyl Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chrysene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dibenzo-[a,h]-Anthracene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Di-N-Butyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,3- Dichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,4- Dichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Dichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
3,3'- Dichlorobenzidine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dichlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Diethyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dimethylphenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dimethyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Methyl-4,6-Dinitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dinitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dinitrotoluene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,6- Dinitrotoluene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Di-N-Octyl-Phthalate, Total, (ug/l)	5.2	5.2	BDL	0.07	0.07	0
Fluoranthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Fluorene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachlorobutadiene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachlorocyclopentadiene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Indeno (1,2,3-CD) Pyrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Isophorone, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Naphthalene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Nitrobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Nitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
4-Nitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0

Mesa 1 - Horne and Sixth Street	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
N-Nitrosodiphenylamine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
N-Nitrosodi-N-Propylamine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Pentachlorophenol, Total, (ug/l)	12	12	BDL	0.16	0.16	0
Phenanthrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Phenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Pyrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2,4-Trichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4,5- Trichlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4,6- Trichlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
N-Nitrosodimethylamine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Diphenylhydrazine, Total, (ug/l)	NS	NS	NS	0	0	0
Dichlorodifluoromethane, Total, (ug/l)	NS	NS	NS	0	0	0
Parachloro-Meta-Cresol, Total, (ug/l)	NS	NS	NS	0	0	0

Mesa 2
Broadway Road west of Lindsay

Mesa 2 - Broadway and Lindsay	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
BOD5 (mg/l)	19	33	16	5442	2054	3389
COD High Level (mg/l)	114	230	55	38959	26720	12238
Chloride (mg/l as Cl)	38	20	57	6570	2264	4306
Cyanide Total (mg/l as Cn)	BDL	BDL	BDL	0	0	0
Fecal Coliform (CFU/100mL)	64750	160000	17125			
Fecal Streptococci (CFU/100mL)	6325	10500	3541			
Solids Residue at 180 Deg. C (TDS) (mg/l)	199	236	190	46807	14688	32119
Residue, Total at 105 Deg. C (TSS) (mg/l)	56	104	44	16734	6473	10261
Nitrogen No2 + No3, Total (mg/l as N)	0.84	1.5	0.53	283	169	114
TKN Nitrogen (mg/l as N)	1.9	3.0	1.2	560	345	215
Nitrogen, Ammonia + Organic, Total (mg/l as N)	1.9	3.0	1.2	560	345	215
Nitrogen Nitrate Total (mg/l as N)	0.84	1.5	0.53	283	169	114
Nitrogen Nitrite Total (mg/l as N)	BDL	BDL	BDL	0	0	0
Nitrogen Ammonia Total (mg/l as N)	1.3	2.4	0.67	388	272	116
Nitrogen Organic Total (mg/l as N)	0.59	0.62	0.57	175	71	104
Phosphorous Total (mg/l as P)	1.4	2.5	0.84	478	286	192
Phosphorous Dissolved (mg/l as P)	0.50	0.85	0.33	171	97	74
Phosphorous Ortho (mg/l as P)	0.27	BDL	0.27	64	0	64
Sulfate Dissolved (mg/l)	47	17	67	9798	1986	7813
Hexavalent Chromium Total (mg/l)	0.02	0.02	BDL	0.92	0.92	0
Phenols Total Recoverable (ug/l)	24	7.8	28	6.8	0.49	6.31
Oil and Grease Total Recoverable (mg/l)	10	10	BDL	622	622	0
Organic Carbon, Total (mg/l)	29	59	9.3	8480	6846	1634
Bicarbonate Whole Field (mg/l as HCo3)	NS	NS	NS	0	0	0
Bicarbonate Dissolved, Field (mg/l as HCo3)	NS	NS	NS	0	0	0
Carbonate Water Field (mg/l as Co3)	NS	NS	NS	0	0	0
Carbonate Water Dissolved, Field, (mg/l as Co3)	NS	NS	NS	0	0	0
Alkalinity Water Field Total (mg/l as CaCo3)	NS	NS	NS	0	0	0
Alkalinity Dissolved Water Field Total (mg/l as CaCo3)	NS	NS	NS	0	0	0
Alkalinity LAB (mg/l as CaCo3)	52	47	56			
Silica Dissolved (mg/l as SiO2)	NS	NS	NS	0	0	0
Hardness (mg/l)	100	150	87			
Antimony (ug/l as Sb)	BDL	BDL	BDL	0	0	0

Mesa 2 - Broadway and Lindsay	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Antimony Dissolved (ug/l as Sb)	BDL	BDL	BDL	0	0	0
Arsenic Total (ug/l as As)	BDL	BDL	BDL	0	0	0
Arsenic Dissolved (ug/l as As)	BDL	BDL	BDL	0	0	0
Barium Dissolved (ug/l as Ba)	NS	NS	NS	0	0	0
Beryllium Total Recoverable (ug/l as Be)	BDL	BDL	BDL	0	0	0
Beryllium Dissolved (ug/l as Be)	BDL	BDL	BDL	0	0	0
Cadmium Total Recoverable (ug/l as Cd)	0.54	1	0.39	0.12	0.06	0.06
Cadmium Dissolved (ug/l as Cd)	0.39	0.35	0.42	0.04	0.02	0.02
Calcium Dissolved (mg/l as Ca)	NS	NS	NS	0	0	0
Chromium Total Recoverable (ug/l as Cr)	5.5	5.4	5.6	1.9	0.63	1.2
Chromium Dissolved (ug/l as Cr)	2	2.2	1.9	0.64	0.24	0.39
Cobalt Dissolved (ug/l as Co)	NS	NS	NS	0	0	0
Copper, Total Recoverable, (ug/l as Cu)	19	34	12	6.7	4.0	2.7
Copper, Dissolved, (ug/l as Cu)	9.8	14	6	2.2	1.5	0.72
Iron, Dissolved, (ug/l as Fe)	NS	NS	NS	0	0	0
Lead, Total Recoverable, (ug/l as Pb)	9.5	8.4	11	2.2	1.00	1.2
Lead, Dissolved, (ug/l as Pb)	2.8	2.8	BDL	0.32	0.32	0
Lithium, Dissolved, (ug/l as Li)	NS	NS	NS	0	0	0
Magnesium, Dissolved, (mg/l as Mg)	NS	NS	NS	0	0	0
Manganese, Dissolved, (ug/l as Mn)	NS	NS	NS	0	0	0
Mercury, Total Recoverable, (ug/l as Hg)	BDL	BDL	BDL	0	0	0
Mercury, Dissolved, (ug/l as Hg)	0.6	BDL	0.6	0.032	0	0.032
Molybdenum, Dissolved, (ug/l as Mo)	NS	NS	NS	0	0	0
Nickel, Total Recoverable, (ug/l as Ni)	9.6	14	5.6	2.2	1.6	0.59
Nickel, Dissolved, (ug/l as Ni)	4.4	8.2	1.9	1.3	0.97	0.29
Potassium, Dissolved, (mg/l as K)	NS	NS	NS	0	0	0
Selenium, Total, (ug/l as Se)	BDL	BDL	BDL	0	0	0
Selenium, Dissolved, (ug/l as Se)	BDL	BDL	BDL	0	0	0
Silver, Total Recoverable, (ug/l as Ag)	BDL	BDL	BDL	0	0	0
Silver, Dissolved, (ug/l as Ag)	BDL	BDL	BDL	0	0	0
Sodium, Dissolved, (mg/l as Na)	NS	NS	NS	0	0	0
Strontium, Dissolved, (ug/l as Sr)	NS	NS	NS	0	0	0
Thallium, Total, (ug/l as Tl)	BDL	BDL	BDL	0	0	0

Mesa 2 - Broadway and Lindsay	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Thallium, Dissolved, (ug/l as Tl)	BDL	BDL	BDL	0	0	0
Vanadium, Dissolved, (ug/l as V)	NS	NS	NS	0	0	0
Zinc, Total Recoverable, (ug/l as Zn)	93	139	70	32	16	16
Zinc, Dissolved, (ug/l as Zn)	75	94	65	26	11	15
Diazinon, Total, (ug/l)	NS	NS	NS	0	0	0
Ethion, Total, (ug/l)	NS	NS	NS	0	0	0
Malathion, Total, (ug/l)	NS	NS	NS	0	0	0
Methyl Parathion, Total, (ug/l)	NS	NS	NS	0	0	0
Parathion, Total, (ug/l)	NS	NS	NS	0	0	0
Trithion, Total, (ug/l)	NS	NS	NS	0	0	0
Di-syston, Total, (ug/l)	NS	NS	NS	0	0	0
Phorate, Total, (ug/l)	NS	NS	NS	0	0	0
Chlorpyrifos, Total, (ug/l)	NS	NS	NS	0	0	0
DEF, Total, (ug/l)	NS	NS	NS	0	0	0
Fonofos(Dy-fonate), WWT, (ug/l)	NS	NS	NS	0	0	0
Aldrin, Total, (ug/l)	BDL	BDL	BDL	0	0	0
BHC - ALPHA, (ug/l)	BDL	BDL	BDL	0	0	0
BHC - Gamma (Lindane), (ug/l)	BDL	BDL	BDL	0	0	0
BHC - DELTA, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1016, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1221, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1232, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1242, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1248, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1254, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1260, PCB, Total, (ug/L)	BDL	BDL	BDL	0	0	0
Chlordane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
P,P' DDD, Total, (ug/l)	BDL	BDL	BDL	0	0	0
P,P' DDE, Total, (ug/l)	BDL	BDL	BDL	0	0	0
P, P' DDT, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dieldrin, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endo-Sulfan Alpha, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endo-Sulfan Beta, Total, (ug/l)	BDL	BDL	BDL	0	0	0

Mesa 2 - Broadway and Lindsay	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Endo-Sulfan Sulfate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endrin Aldehyde, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endrin, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Heptachlor, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Heptachlor Epoxide, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Toxaphene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Methoxychlor, Total, (ug/l)	NS	NS	NS	0	0	0
Beta Benzene Hexachloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,2,2-Tetrachloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,1,2-Tetrachloroethane, Total,(ug/l)	NS	NS	NS	0	0	0
Tetrachloroethene, PCE, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,1- Trichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,2- Trichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Trichloroethene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1- Dichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1- Dichloroethene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Dichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Dichloropropane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2- Chloroethylvinyl Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
cis-1,3-Dichloropropene, (ug/l)	BDL	BDL	BDL	0	0	0
trans-1,2- Dichloroethene, (ug/l)	BDL	BDL	BDL	0	0	0
trans-1,3- Dichloropropene, (ug/l)	BDL	BDL	BDL	0	0	0
Benzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bromodichloromethane, Total, (ug/l)	5	BDL	5	0.18	0	0.18
Bromoform, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Carbon Tetrachloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chloroethane, (ug/l)	BDL	BDL	BDL	0	0	0
Chloroform, Total, (ug/l)	4	BDL	4	0.15	0	0.15
Ethyl-Benzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Methylene Chloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Toluene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Trichlorofluoromethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0

Mesa 2 - Broadway and Lindsay	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Vinyl Chloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chlorodibromomethane, Total, (ug/l)	6.4	BDL	6.4	0.24	0	0.24
4- Methyl, 2- Pentanone, (MIBK), Total, (ug/L)	BDL	BDL	BDL	0	0	0
Acetone, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Butanone, (ug/l)	BDL	BDL	BDL	0	0	0
Carbon Disulfide, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2 Dichloroethene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Xylenes, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Hexanone, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Styrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acrolein, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acrylonitirile, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bromobenzene, Water Whole, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,3-Dichloropropane, Water Whole, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Methyl Bromide, Total, (ug/l)	50	50	BDL	2.30	2.30	0
Methyl Chloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Parachloro Toluene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dibromoethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acenaphthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acenaphthylene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Anthracene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzidine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzoic Acid, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (a) Anthracene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (b) Fluoranthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (k) Fluoranthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (ghi) Perylene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (a) Pyrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzyl Alcohol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis-(2-Chloroethoxy)-Methane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis-(2-Chloroethyl)-Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis-(2-Chloroisopropyl)-Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis(2-Ethyl Hexyl) Phthalate, Total, (ug/l)	102	220	72	27	10	17

Mesa 2 - Broadway and Lindsay	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
4-Bromo-Phenyl Phenyl Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Butyl Benzyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Chloronapthalene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Chlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
4-Chloro-Phenyl Phenyl Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chrysene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dibenzo-[a,h]-Anthracene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Di-N-Butyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,3- Dichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,4- Dichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Dichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
3,3'- Dichlorobenzidine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dichlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Diethyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dimethylphenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dimethyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Methyl-4,6-Dinitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dinitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dinitrotoluene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,6- Dinitrotoluene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Di-N-Octyl-Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Fluoranthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Fluorene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachlorobutadiene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachlorocyclopentadiene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Indeno (1,2,3-CD) Pyrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Isophorone, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Naphthalene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Nitrobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Nitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
4-Nitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0

Mesa 2 - Broadway and Lindsay	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
N-Nitrosodiphenylamine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
N-Nitrosodi-N-Propylamine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Pentachlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Phenanthrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Phenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Pyrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2,4-Trichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4,5- Trichlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4,6- Trichlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
N-Nitrosodimethylamine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Diphenylhydrazine, Total, (ug/l)	NS	NS	NS	0	0	0
Dichlorodifluoromethane, Total, (ug/l)	NS	NS	NS	0	0	0
Parachloro-Meta-Cresol, Total, (ug/l)	NS	NS	NS	0	0	0

Mesa 3
Falcon Field

Mesa 3 - Falcon Field	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
BOD5 (mg/l)	33	31	34	18413	1779	16633
COD High Level (mg/l)	173	167	174	132813	19470	113343
Chloride (mg/l as Cl)	7	7	BDL	422	422	0
Cyanide Total (mg/l as Cn)	BDL	BDL	BDL	0	0	0
Fecal Coliform (CFU/100mL)	11559	90000	353			
Fecal Streptococci (CFU/100mL)	19171	2950	23805			
Solids Residue at 180 Deg. C (TDS) (mg/l)	71	140	54	44958	16405	28553
Residue, Total at 105 Deg. C (TSS) (mg/l)	213	89	244	182093	10401	171693
Nitrogen No2 + No3, Total (mg/l as N)	0.56	1.1	0.41	322	123	200
TKN Nitrogen (mg/l as N)	2.4	3.1	2.2	1426	358	1068
Nitrogen, Ammonia + Organic, Total (mg/l as N)	4.1	3.1	4.4	2539	358	2181
Nitrogen Nitrate Total (mg/l as N)	0.56	1.1	0.41	322	123	200
Nitrogen Nitrite Total (mg/l as N)	BDL	BDL	BDL	0	0	0
Nitrogen Ammonia Total (mg/l as N)	1.3	2.2	1.1	686	252	434
Nitrogen Organic Total (mg/l as N)	3.6	0.91	5.0	1854	106	1747
Phosphorous Total (mg/l as P)	0.92	1.5	0.79	675	169	506
Phosphorous Dissolved (mg/l as P)	0.26	0.35	0.23	164	40	124
Phosphorous Ortho (mg/l as P)	0.13	BDL	0.13	68	0	68
Sulfate Dissolved (mg/l)	7.9	11	5.9	2514	1286	1228
Hexavalent Chromium Total (mg/l)	0.02	BDL	0.02	0.83	0	0.83
Phenols Total Recoverable (ug/l)	16	12	18	6.7	1.3	5.4
Oil and Grease Total Recoverable (mg/l)	BDL	BDL	BDL	0	0	0
Organic Carbon, Total (mg/l)	23	50	15	11861	5864	5997
Bicarbonate Whole Field (mg/l as HCo3)	NS	NS	NS	0	0	0
Bicarbonate Dissolved, Field (mg/l as HCo3)	NS	NS	NS	0	0	0
Carbonate Water Field (mg/l as Co3)	NS	NS	NS	0	0	0
Carbonate Water Dissolved, Field, (mg/l as Co3)	NS	NS	NS	0	0	0
Alkalinity Water Field Total (mg/l as CaCo3)	NS	NS	NS	0	0	0
Alkalinity Dissolved Water Field Total (mg/l as CaCo3)	NS	NS	NS	0	0	0
Alkalinity LAB (mg/l as CaCo3)	27	21	29			
Silica Dissolved (mg/l as SiO2)	NS	NS	NS	0	0	0
Hardness (mg/l)	79	62	81			
Antimony (ug/l as Sb)	BDL	BDL	BDL	0	0	0

Mesa 3 - Falcon Field	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Antimony Dissolved (ug/l as Sb)	BDL	BDL	BDL	0	0	0
Arsenic Total (ug/l as As)	12	BDL	12	1.1	0	1.1
Arsenic Dissolved (ug/l as As)	BDL	BDL	BDL	0	0	0
Barium Dissolved (ug/l as Ba)	NS	NS	NS	0	0	0
Beryllium Total Recoverable (ug/l as Be)	3	BDL	3	0.27	0	0.27
Beryllium Dissolved (ug/l as Be)	BDL	BDL	BDL	0	0	0
Cadmium Total Recoverable (ug/l as Cd)	1.2	0.86	1.3	0.69	0.10	0.59
Cadmium Dissolved (ug/l as Cd)	0.82	0.41	0.96	0.35	0.05	0.31
Calcium Dissolved (mg/l as Ca)	NS	NS	NS	0	0	0
Chromium Total Recoverable (ug/l as Cr)	13	11	13	9.9	1.3	8.6
Chromium Dissolved (ug/l as Cr)	4.2	5.9	3.7	2.9	0.69	2.2
Cobalt Dissolved (ug/l as Co)	NS	NS	NS	0	0	0
Copper, Total Recoverable, (ug/l as Cu)	22	16	24	15	1.9	13
Copper, Dissolved, (ug/l as Cu)	11	8.6	12	3.1	1.0	2.1
Iron, Dissolved, (ug/l as Fe)	NS	NS	NS	0	0	0
Lead, Total Recoverable, (ug/l as Pb)	26	14.1	31	15	1.6	13
Lead, Dissolved, (ug/l as Pb)	6.2	2.4	10	2.0	0.28	1.8
Lithium, Dissolved, (ug/l as Li)	NS	NS	NS	0	0	0
Magnesium, Dissolved, (mg/l as Mg)	NS	NS	NS	0	0	0
Manganese, Dissolved, (ug/l as Mn)	NS	NS	NS	0	0	0
Mercury, Total Recoverable, (ug/l as Hg)	BDL	BDL	BDL	0	0	0
Mercury, Dissolved, (ug/l as Hg)	0.35	BDL	0.35	0.03	0	0.03
Molybdenum, Dissolved, (ug/l as Mo)	NS	NS	NS	0	0	0
Nickel, Total Recoverable, (ug/l as Ni)	8.2	13	5.6	3.3	1.6	1.7
Nickel, Dissolved, (ug/l as Ni)	5.6	8.5	3.6	1.6	0.99	0.62
Potassium, Dissolved, (mg/l as K)	NS	NS	NS	0	0	0
Selenium, Total, (ug/l as Se)	BDL	BDL	BDL	0	0	0
Selenium, Dissolved, (ug/l as Se)	BDL	BDL	BDL	0	0	0
Silver, Total Recoverable, (ug/l as Ag)	BDL	BDL	BDL	0	0	0
Silver, Dissolved, (ug/l as Ag)	BDL	BDL	BDL	0	0	0
Sodium, Dissolved, (mg/l as Na)	NS	NS	NS	0	0	0
Strontium, Dissolved, (ug/l as Sr)	NS	NS	NS	0	0	0
Thallium, Total, (ug/l as Tl)	BDL	BDL	BDL	0	0	0

Mesa 3 - Falcon Field	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Thallium, Dissolved, (ug/l as Tl)	BDL	BDL	BDL	0	0	0
Vanadium, Dissolved, (ug/l as V)	NS	NS	NS	0	0	0
Zinc, Total Recoverable, (ug/l as Zn)	128	128	128	91	15	76
Zinc, Dissolved, (ug/l as Zn)	81	105	75	50	12	38
Diazinon, Total, (ug/l)	NS	BDL	BDL	0	0	0
Ethion, Total, (ug/l)	NS	NS	NS	0	0	0
Malathion, Total, (ug/l)	NS	NS	NS	0	0	0
Methyl Parathion, Total, (ug/l)	NS	NS	NS	0	0	0
Parathion, Total, (ug/l)	NS	NS	NS	0	0	0
Trithion, Total, (ug/l)	NS	NS	NS	0	0	0
Di-syston, Total, (ug/l)	NS	NS	NS	0	0	0
Phorate, Total, (ug/l)	NS	NS	NS	0	0	0
Chlorpyrifos, Total, (ug/l)	NS	NS	NS	0	0	0
DEF, Total, (ug/l)	NS	NS	NS	0	0	0
Fonofos(Dy-fonate), WWT, (ug/l)	NS	NS	NS	0	0	0
Aldrin, Total, (ug/l)	BDL	BDL	BDL	0	0	0
BHC - ALPHA, (ug/l)	BDL	BDL	BDL	0	0	0
BHC - Gamma (Lindane), (ug/l)	BDL	BDL	BDL	0	0	0
BHC - DELTA, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1016, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1221, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1232, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1242, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1248, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1254, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1260, PCB, Total, (ug/L)	BDL	BDL	BDL	0	0	0
Chlordane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
P,P' DDD, Total, (ug/l)	BDL	BDL	BDL	0	0	0
P,P' DDE, Total, (ug/l)	BDL	BDL	BDL	0	0	0
P, P' DDT, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dieldrin, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endo-Sulfan Alpha, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endo-Sulfan Beta, Total, (ug/l)	BDL	BDL	BDL	0	0	0

Mesa 3 - Falcon Field	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Vinyl Chloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chlorodibromomethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
4- Methyl, 2- Pentanone, (MIBK), Total, (ug/L)	BDL	BDL	BDL	0	0	0
Acetone, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Butanone, (ug/l)	BDL	BDL	BDL	0	0	0
Carbon Disulfide, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2 Dichloroethene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Xylenes, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Hexanone, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Styrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acrolein, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acrylonitirile, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bromobenzene, Water Whole, Total, (ug/l)	NS	NS	NS	0	0	0
1,3-Dichloropropane, Water Whole, Total, (ug/l)	NS	NS	NS	0	0	0
Methyl Bromide, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Methyl Chloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Parachloro Toluene, Total, (ug/l)	NS	NS	NS	0	0	0
Dibromoethane, Total, (ug/l)	NS	NS	NS	0	0	0
Acenaphthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acenaphthylene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Anthracene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzidine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzoic Acid, Total, (ug/l)	18	18	BDL	1.1	1.1	0
Benzo (a) Anthracene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (b) Fluoranthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (k) Fluoranthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (ghi) Perylene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (a) Pyrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzyl Alcohol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis-(2-Chloroethoxy)-Methane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis-(2-Chloroethyl)-Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis-(2-Chloroisopropyl)-Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis(2-Ethyl Hexyl) Phthalate, Total, (ug/l)	34	23	37	20	2.7	18

Mesa 3 - Falcon Field	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
4-Bromo-Phenyl Phenyl Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Butyl Benzyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Chloronapthalene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Chlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
4-Chloro-Phenyl Phenyl Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chrysene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dibenzo-[a,h]-Anthracene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Di-N-Butyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,3- Dichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,4- Dichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Dichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
3,3'- Dichlorobenzidine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dichlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Diethyl Phthalate, Total, (ug/l)	5.3	BDL	5.3	0.37	0	0.37
2,4- Dimethylphenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dimethyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Methyl-4,6-Dinitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dinitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dinitrotoluene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,6- Dinitrotoluene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Di-N-Octyl-Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Fluoranthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Fluorene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachlorobutadiene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachlorocyclopentadiene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Indeno (1,2,3-CD) Pyrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Isophorone, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Naphthalene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Nitrobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Nitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
4-Nitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0

Mesa 4
Horne and Grandview

Mesa 4 - Horne and Grandview	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
BOD5 (mg/l)	81	33	90	10962	333	10629
COD High Level (mg/l)	92.5	100	91	10729	1010	9719
Chloride (mg/l as Cl)	9.8	23	7.2	1047	232	814
Cyanide Total (mg/l as Cn)	BDL	BDL	BDL	0	0	0
Fecal Coliform (CFU/100mL)	14650	BDL	14650			
Fecal Streptococci (CFU/100mL)	5921	3000	6651			
Solids Residue at 180 Deg. C (TDS) (mg/l)	92	197	71	10052	1989	8063
Residue, Total at 105 Deg. C (TSS) (mg/l)	115	396	58	10751	3999	6753
Nitrogen No2 + No3, Total (mg/l as N)	0.61	1.2	0.49	66	12	54
TKN Nitrogen (mg/l as N)	1.9	3.8	1.3	108	39	69
Nitrogen, Ammonia + Organic, Total (mg/l as N)	2.5	3.8	2.0	158	39	120
Nitrogen Nitrate Total (mg/l as N)	0.61	1.2	0.49	66	12	54
Nitrogen Nitrite Total (mg/l as N)	BDL	BDL	BDL	0	0	0
Nitrogen Ammonia Total (mg/l as N)	1.5	0.69	1.7	112	7.0	105
Nitrogen Organic Total (mg/l as N)	2.0	3.13	0.94	46	32	15
Phosphorous Total (mg/l as P)	0.48	1.2	0.34	49	12	37
Phosphorous Dissolved (mg/l as P)	0.31	0.33	0.30	37	3.3	34
Phosphorous Ortho (mg/l as P)	0.19	BDL	0.19	22	0	22
Sulfate Dissolved (mg/l)	8.8	9	8.8	923	91	832
Hexavalent Chromium Total (mg/l)	0.02	0.02	0.02	0.74	0.20	0.53
Phenols Total Recoverable (ug/l)	36	BDL	36	3.4	0	3.4
Oil and Grease Total Recoverable (mg/l)	BDL	BDL	BDL	0	0	0
Organic Carbon, Total (mg/l)	18	27	15	1379	273	1106
Bicarbonate Whole Field (mg/l as HCo3)	NS	NS	NS	0	0	0
Bicarbonate Dissolved, Field (mg/l as HCo3)	NS	NS	NS	0	0	0
Carbonate Water Field (mg/l as Co3)	NS	NS	NS	0	0	0
Carbonate Water Dissolved, Field, (mg/l as Co3)	NS	NS	NS	0	0	0
Alkalinity Water Field Total (mg/l as CaCo3)	NS	NS	NS	0	0	0
Alkalinity Dissolved Water Field Total (mg/l as CaCo3)	NS	NS	NS	0	0	0
Alkalinity LAB (mg/l as CaCo3)	21	14	23			
Silica Dissolved (mg/l as SiO2)	NS	NS	NS	0	0	0
Hardness (mg/l)	38	NS	38			
Antimony (ug/l as Sb)	BDL	BDL	BDL	0	0	0

Mesa 4 - Horne and Grandview	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Antimony Dissolved (ug/l as Sb)	5	BDL	5	0.08	0	0.08
Arsenic Total (ug/l as As)	31	BDL	31	1.0	0	1.0
Arsenic Dissolved (ug/l as As)	31	BDL	31	1.0	0	1.0
Barium Dissolved (ug/l as Ba)	NS	NS	NS	0	0	0
Beryllium Total Recoverable (ug/l as Be)	BDL	BDL	BDL	0	0	0
Beryllium Dissolved (ug/l as Be)	BDL	BDL	BDL	0	0	0
Cadmium Total Recoverable (ug/l as Cd)	0.3	0.23	0.30	0.03	0.00	0.03
Cadmium Dissolved (ug/l as Cd)	BDL	BDL	BDL	0	0	0
Calcium Dissolved (mg/l as Ca)	NS	NS	NS	0	0	0
Chromium Total Recoverable (ug/l as Cr)	5.6	2.3	6.2	0.69	0.02	0.67
Chromium Dissolved (ug/l as Cr)	1.5	1.9	1.4	0.18	0.02	0.16
Cobalt Dissolved (ug/l as Co)	NS	NS	NS	0	0	0
Copper, Total Recoverable, (ug/l as Cu)	20	25	19	2.3	0.25	2.1
Copper, Dissolved, (ug/l as Cu)	11	11	11	0.74	0.11	0.63
Iron, Dissolved, (ug/l as Fe)	NS	NS	NS	0	0	0
Lead, Total Recoverable, (ug/l as Pb)	9.05	2.3	10	1.1	0.02	1.1
Lead, Dissolved, (ug/l as Pb)	7.7	2.2	11	0.38	0.02	0.36
Lithium, Dissolved, (ug/l as Li)	NS	NS	NS	0	0	0
Magnesium, Dissolved, (mg/l as Mg)	NS	NS	NS	0	0	0
Manganese, Dissolved, (ug/l as Mn)	NS	NS	NS	0	0	0
Mercury, Total Recoverable, (ug/l as Hg)	0.2	BDL	0.2	0.005	0	0.01
Mercury, Dissolved, (ug/l as Hg)	0.3	BDL	0.3	0.007	0	0.01
Molybdenum, Dissolved, (ug/l as Mo)	NS	NS	NS	0	0	0
Nickel, Total Recoverable, (ug/l as Ni)	3.7	2.3	4.2	0.34	0.02	0.32
Nickel, Dissolved, (ug/l as Ni)	3.2	5.8	2.4	0.24	0.06	0.18
Potassium, Dissolved, (mg/l as K)	NS	NS	NS	0	0	0
Selenium, Total, (ug/l as Se)	BDL	BDL	BDL	0	0	0
Selenium, Dissolved, (ug/l as Se)	BDL	BDL	BDL	0	0	0
Silver, Total Recoverable, (ug/l as Ag)	BDL	BDL	BDL	0	0	0
Silver, Dissolved, (ug/l as Ag)	BDL	BDL	BDL	0	0	0
Sodium, Dissolved, (mg/l as Na)	NS	NS	NS	0	0	0
Strontium, Dissolved, (ug/l as Sr)	NS	NS	NS	0	0	0
Thallium, Total, (ug/l as Tl)	BDL	BDL	BDL	0	0	0

Mesa 4 - Horne and Grandview	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Thallium, Dissolved, (ug/l as Tl)	BDL	BDL	BDL	0	0	0
Vanadium, Dissolved, (ug/l as V)	NS	NS	NS	0	0	0
Zinc, Total Recoverable, (ug/l as Zn)	78	36	86	9.5	0.36	9.1
Zinc, Dissolved, (ug/l as Zn)	51	43	52	5.9	0.43	5.5
Diazinon, Total, (ug/l)	NS	NS	NS	0	0	0
Ethion, Total, (ug/l)	NS	NS	NS	0	0	0
Malathion, Total, (ug/l)	NS	NS	NS	0	0	0
Methyl Parathion, Total, (ug/l)	NS	NS	NS	0	0	0
Parathion, Total, (ug/l)	NS	NS	NS	0	0	0
Trithion, Total, (ug/l)	NS	NS	NS	0	0	0
Di-syston, Total, (ug/l)	NS	NS	NS	0	0	0
Phorate, Total, (ug/l)	NS	NS	NS	0	0	0
Chlorpyrifos, Total, (ug/l)	NS	NS	NS	0	0	0
DEF, Total, (ug/l)	NS	NS	NS	0	0	0
Fonofos(Dy-fonate), WWT, (ug/l)	NS	NS	NS	0	0	0
Aldrin, Total, (ug/l)	BDL	BDL	BDL	0	0	0
BHC - ALPHA, (ug/l)	BDL	BDL	BDL	0	0	0
BHC - Gamma (Lindane), (ug/l)	BDL	BDL	BDL	0	0	0
BHC - DELTA, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1016, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1221, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1232, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1242, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1248, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1254, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1260, PCB, Total, (ug/L)	BDL	BDL	BDL	0	0	0
Chlordane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
P,P' DDD, Total, (ug/l)	BDL	BDL	BDL	0	0	0
P,P' DDE, Total, (ug/l)	BDL	BDL	BDL	0	0	0
P, P' DDT, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dieldrin, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endo-Sulfan Alpha, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endo-Sulfan Beta, Total, (ug/l)	BDL	BDL	BDL	0	0	0

Mesa 4 - Horne and Grandview	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Endo-Sulfan Sulfate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endrin Aldehyde, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endrin, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Heptachlor, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Heptachlor Epoxide, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Toxaphene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Methoxychlor, Total, (ug/l)	NS	NS	NS	0	0	0
Beta Benzene Hexachloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,2,2-Tetrachloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,1,2-Tetrachloroethane, Total,(ug/l)	NS	NS	NS	0	0	0
Tetrachloroethene, PCE, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,1- Trichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,2- Trichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Trichloroethene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1- Dichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1- Dichloroethene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Dichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Dichloropropane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2- Chloroethylvinyl Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
cis-1,3-Dichloropropene, (ug/l)	BDL	BDL	BDL	0	0	0
trans-1,2- Dichloroethene, (ug/l)	BDL	BDL	BDL	0	0	0
trans-1,3- Dichloropropene, (ug/l)	BDL	BDL	BDL	0	0	0
Benzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bromodichloromethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bromoform, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Carbon Tetrachloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chloroethane, (ug/l)	BDL	BDL	BDL	0	0	0
Chloroform, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Ethyl-Benzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Methylene Chloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Toluene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Trichlorofluoromethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0

Mesa 4 - Horne and Grandview	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Vinyl Chloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chlorodibromomethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
4- Methyl, 2- Pentanone, (MIBK), Total, (ug/L)	BDL	BDL	BDL	0	0	0
Acetone, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Butanone, (ug/l)	BDL	BDL	BDL	0	0	0
Carbon Disulfide, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2 Dichloroethene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Xylenes, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Hexanone, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Styrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acrolein, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acrylonitirile, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bromobenzene, Water Whole, Total, (ug/l)	NS	NS	NS	0	0	0
1,3-Dichloropropane, Water Whole, Total, (ug/l)	NS	NS	NS	0	0	0
Methyl Bromide, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Methyl Chloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Parachloro Toluene, Total, (ug/l)	NS	NS	NS	0	0	0
Dibromoethane, Total, (ug/l)	NS	NS	NS	0	0	0
Acenaphthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acenaphthylene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Anthracene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzidine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzoic Acid, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (a) Anthracene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (b) Fluoranthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (k) Fluoranthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (ghi) Perylene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (a) Pyrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzyl Alcohol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis-(2-Chloroethoxy)-Methane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis-(2-Chloroethyl)-Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis-(2-Chloroisopropyl)-Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis(2-Ethyl Hexyl) Phthalate, Total, (ug/l)	393	BDL	393	39	0	39

Mesa 4 - Horne and Grandview	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
4-Bromo-Phenyl Phenyl Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Butyl Benzyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Chloronapthalene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Chlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
4-Chloro-Phenyl Phenyl Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chrysene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dibenzo-[a,h]-Anthracene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Di-N-Butyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,3- Dichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,4- Dichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Dichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
3,3'- Dichlorobenzidine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dichlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Diethyl Phthalate, Total, (ug/l)	5.3	BDL	5.3	0.25	0	0.25
2,4- Dimethylphenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dimethyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Methyl-4,6-Dinitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dinitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dinitrotoluene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,6- Dinitrotoluene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Di-N-Octyl-Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Fluoranthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Fluorene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachlorobutadiene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachlorocyclopentadiene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Indeno (1,2,3-CD) Pyrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Isophorone, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Naphthalene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Nitrobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Nitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
4-Nitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0

Mesa 4 - Horne and Grandview	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
N-Nitrosodiphenylamine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
N-Nitrosodi-N-Propylamine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Pentachlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Phenanthrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Phenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Pyrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2,4-Trichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4,5- Trichlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4,6- Trichlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
N-Nitrosodimethylamine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Diphenylhydrazine, Total, (ug/l)	NS	NS	NS	0	0	0
Dichlorodifluoromethane, Total, (ug/l)	NS	NS	NS	0	0	0
Parachloro-Meta-Cresol, Total, (ug/l)	NS	NS	NS	0	0	0

Mesa 5
Dobson Road south of Broadway

Mesa 5 - Broadway and Dobson	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
BOD5 (mg/l)	86	79	88	12184	4137	8047
COD High Level (mg/l)	145	265	115	23694	13877	9817
Chloride (mg/l as Cl)	19	19	BDL	995	995	0
Cyanide Total (mg/l as Cn)	BDL	BDL	BDL	0	0	0
Fecal Coliform (CFU/100mL)	2158	BDL	2158			
Fecal Streptococci (CFU/100mL)	22483	90000	8980			
Solids Residue at 180 Deg. C (TDS) (mg/l)	76	133	64.6	13267	6965	6302
Residue, Total at 105 Deg. C (TSS) (mg/l)	63	80	60	11525	4189	7335
Nitrogen No2 + No3, Total (mg/l as N)	0.56	1.2	0.43	114	63	52
TKN Nitrogen (mg/l as N)	2.4	5	1.1	301	262	39
Nitrogen, Ammonia + Organic, Total (mg/l as N)	2.2	5	1.3	343	262	81
Nitrogen Nitrate Total (mg/l as N)	0.56	1.2	0.43	114	63	52
Nitrogen Nitrite Total (mg/l as N)	BDL	BDL	BDL	0	0	0
Nitrogen Ammonia Total (mg/l as N)	1.5	2.1	1.3	191	110	81
Nitrogen Organic Total (mg/l as N)	2.9	2.9	BDL	152	152	0
Phosphorous Total (mg/l as P)	0.51	1.4	0.34	112	73	39
Phosphorous Dissolved (mg/l as P)	0.27	0.39	0.24	49	20	29
Phosphorous Ortho (mg/l as P)	0.16	BDL	0.16	20	0	20
Sulfate Dissolved (mg/l)	8.7	14	6	1024	733	291
Hexavalent Chromium Total (mg/l)	0.02	BDL	0.02	0.63	0	0.63
Phenols Total Recoverable (ug/l)	5.5	5.5	BDL	0.29	0.29	0
Oil and Grease Total Recoverable (mg/l)	BDL	BDL	BDL	0	0	0
Organic Carbon, Total (mg/l)	32	42	22	2666	2215	451
Bicarbonate Whole Field (mg/l as HCo3)	NS	NS	NS	0	0	0
Bicarbonate Dissolved, Field (mg/l as HCo3)	NS	NS	NS	0	0	0
Carbonate Water Field (mg/l as Co3)	NS	NS	NS	0	0	0
Carbonate Water Dissolved, Field, (mg/l as Co3)	NS	NS	NS	0	0	0
Alkalinity Water Field Total (mg/l as CaCo3)	NS	NS	NS	0	0	0
Alkalinity Dissolved Water Field Total (mg/l as CaCo3)	NS	NS	NS	0	0	0
Alkalinity LAB (mg/l as CaCo3)	21	26	20			
Silica Dissolved (mg/l as SiO2)	NS	NS	NS	0	0	0
Hardness (mg/l)	31	54	26			
Antimony (ug/l as Sb)	6	BDL	6	0.19	0	0.19

Mesa 5 - Broadway and Dobson	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Antimony Dissolved (ug/l as Sb)	BDL	BDL	BDL	0	0	0
Arsenic Total (ug/l as As)	BDL	BDL	BDL	0	0	0
Arsenic Dissolved (ug/l as As)	BDL	BDL	BDL	0	0	0
Barium Dissolved (ug/l as Ba)	NS	NS	NS	0	0	0
Beryllium Total Recoverable (ug/l as Be)	BDL	BDL	BDL	0	0	0
Beryllium Dissolved (ug/l as Be)	BDL	BDL	BDL	0	0	0
Cadmium Total Recoverable (ug/l as Cd)	0.70	1.3	0.58	0.13	0.07	0.07
Cadmium Dissolved (ug/l as Cd)	0.32	0.52	0.28	0.06	0.03	0.03
Calcium Dissolved (mg/l as Ca)	NS	NS	NS	0	0	0
Chromium Total Recoverable (ug/l as Cr)	7.6	6.5	7.8	1.2	0.34	0.90
Chromium Dissolved (ug/l as Cr)	2.2	3.1	2.0	0.38	0.16	0.22
Cobalt Dissolved (ug/l as Co)	NS	NS	NS	0	0	0
Copper, Total Recoverable, (ug/l as Cu)	23	38	19	4.0	2.0	2.0
Copper, Dissolved, (ug/l as Cu)	10	21	6.3	1.7	1.1	0.56
Iron, Dissolved, (ug/l as Fe)	NS	NS	NS	0	0	0
Lead, Total Recoverable, (ug/l as Pb)	31	16	34	3.7	0.84	2.9
Lead, Dissolved, (ug/l as Pb)	2	2	BDL	0.10	0.10	0
Lithium, Dissolved, (ug/l as Li)	NS	NS	NS	0	0	0
Magnesium, Dissolved, (mg/l as Mg)	NS	NS	NS	0	0	0
Manganese, Dissolved, (ug/l as Mn)	NS	NS	NS	0	0	0
Mercury, Total Recoverable, (ug/l as Hg)	BDL	BDL	BDL	0	0	0
Mercury, Dissolved, (ug/l as Hg)	0.3	BDL	0.3	0.0089	0	0.0089
Molybdenum, Dissolved, (ug/l as Mo)	NS	NS	NS	0	0	0
Nickel, Total Recoverable, (ug/l as Ni)	6.0	BDL	6.0	0.52	0	0.52
Nickel, Dissolved, (ug/l as Ni)	3.0	BDL	3.0	0.15	0	0.15
Potassium, Dissolved, (mg/l as K)	NS	NS	NS	0	0	0
Selenium, Total, (ug/l as Se)	BDL	BDL	BDL	0	0	0
Selenium, Dissolved, (ug/l as Se)	BDL	BDL	BDL	0	0	0
Silver, Total Recoverable, (ug/l as Ag)	BDL	BDL	BDL	0	0	0
Silver, Dissolved, (ug/l as Ag)	BDL	BDL	BDL	0	0	0
Sodium, Dissolved, (mg/l as Na)	NS	NS	NS	0	0	0
Strontium, Dissolved, (ug/l as Sr)	NS	NS	NS	0	0	0
Thallium, Total, (ug/l as Tl)	BDL	BDL	BDL	0	0	0

Mesa 5 - Broadway and Dobson	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Thallium, Dissolved, (ug/l as Tl)	BDL	BDL	BDL	0	0	0
Vanadium, Dissolved, (ug/l as V)	NS	NS	NS	0	0	0
Zinc, Total Recoverable, (ug/l as Zn)	157	282	132	30	15	15
Zinc, Dissolved, (ug/l as Zn)	79	212	52	17	11	6.3
Diazinon, Total, (ug/l)	NS	NS	NS	0	0	0
Ethion, Total, (ug/l)	NS	NS	NS	0	0	0
Malathion, Total, (ug/l)	NS	NS	NS	0	0	0
Methyl Parathion, Total, (ug/l)	NS	NS	NS	0	0	0
Parathion, Total, (ug/l)	NS	NS	NS	0	0	0
Trithion, Total, (ug/l)	NS	NS	NS	0	0	0
Di-syston, Total, (ug/l)	NS	NS	NS	0	0	0
Phorate, Total, (ug/l)	NS	NS	NS	0	0	0
Chlorpyrifos, Total, (ug/l)	NS	NS	NS	0	0	0
DEF, Total, (ug/l)	NS	NS	NS	0	0	0
Fonofos(Dy-fonate), WWT, (ug/l)	NS	NS	NS	0	0	0
Aldrin, Total, (ug/l)	BDL	BDL	BDL	0	0	0
BHC - ALPHA, (ug/l)	BDL	BDL	BDL	0	0	0
BHC - Gamma (Lindane), (ug/l)	BDL	BDL	BDL	0	0	0
BHC - DELTA, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1016, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1221, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1232, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1242, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1248, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1254, PCB, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Aroclor 1260, PCB, Total, (ug/L)	BDL	BDL	BDL	0	0	0
Chlordane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
P,P' DDD, Total, (ug/l)	BDL	BDL	BDL	0	0	0
P,P' DDE, Total, (ug/l)	BDL	BDL	BDL	0	0	0
P, P' DDT, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dieldrin, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endo-Sulfan Alpha, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endo-Sulfan Beta, Total, (ug/l)	BDL	BDL	BDL	0	0	0

Mesa 5 - Broadway and Dobson	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Endo-Sulfan Sulfate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endrin Aldehyde, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Endrin, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Heptachlor, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Heptachlor Epoxide, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Toxaphene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Methoxychlor, Total, (ug/l)	NS	NS	NS	0	0	0
Beta Benzene Hexachloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,2,2-Tetrachloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,1,2-Tetrachloroethane, Total,(ug/l)	NS	NS	NS	0	0	0
Tetrachloroethene, PCE, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,1- Trichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1,2- Trichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Trichloroethene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1- Dichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,1- Dichloroethene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Dichloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Dichloropropane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2- Chloroethylvinyl Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
cis-1,3-Dichloropropene, (ug/l)	BDL	BDL	BDL	0	0	0
trans-1,2- Dichloroethene, (ug/l)	BDL	BDL	BDL	0	0	0
trans-1,3- Dichloropropene, (ug/l)	BDL	BDL	BDL	0	0	0
Benzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bromodichloromethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bromoform, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Carbon Tetrachloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chloroethane, (ug/l)	BDL	BDL	BDL	0	0	0
Chloroform, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Ethyl-Benzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Methylene Chloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Toluene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Trichlorofluoromethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0

Mesa 5 - Broadway and Dobson	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
Vinyl Chloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chlorodibromomethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
4- Methyl, 2- Pentanone, (MIBK), Total, (ug/L)	BDL	BDL	BDL	0	0	0
Acetone, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Butanone, (ug/l)	BDL	BDL	BDL	0	0	0
Carbon Disulfide, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2 Dichloroethene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Xylenes, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Hexanone, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Styrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acrolein, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acrylonitirile, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bromobenzene, Water Whole, Total, (ug/l)	NS	NS	NS	0	0	0
1,3-Dichloropropane, Water Whole, Total, (ug/l)	NS	NS	NS	0	0	0
Methyl Bromide, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Methyl Chloride, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Parachloro Toluene, Total, (ug/l)	NS	NS	NS	0	0	0
Dibromoethane, Total, (ug/l)	NS	NS	NS	0	0	0
Acenaphthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Acenaphthylene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Anthracene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzidine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzoic Acid, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (a) Anthracene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (b) Fluoranthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (k) Fluoranthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (ghi) Perylene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzo (a) Pyrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Benzyl Alcohol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis-(2-Chloroethoxy)-Methane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis-(2-Chloroethyl)-Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis-(2-Chloroisopropyl)-Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Bis(2-Ethyl Hexyl) Phthalate, Total, (ug/l)	190	160	200	24	8.4	15

Mesa 5 - Broadway and Dobson	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
4-Bromo-Phenyl Phenyl Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Butyl Benzyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Chloronapthalene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Chlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
4-Chloro-Phenyl Phenyl Ether, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Chrysene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dibenzo-[a,h]-Anthracene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Di-N-Butyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,3- Dichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,4- Dichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Dichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
3,3'- Dichlorobenzidine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dichlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Diethyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dimethylphenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Dimethyl Phthalate, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Methyl-4,6-Dinitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dinitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4- Dinitrotoluene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,6- Dinitrotoluene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Di-N-Octyl-Phthalate, Total, (ug/l)	5.2	5.2	BDL	0.27	0.27	0
Fluoranthene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Fluorene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachlorobutadiene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachlorocyclopentadiene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Hexachloroethane, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Indeno (1,2,3-CD) Pyrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Isophorone, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Naphthalene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Nitrobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2-Nitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
4-Nitrophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0

Mesa 5 - Broadway and Dobson	Average Event Mean Concentration (all 1998 data)	Average Event Mean Concentration (Summer)	Average Event Mean Concentration (Winter)	Pollutant Loading all 1998 (pounds)	Summer Pollutant Loading 1998 (pounds)	Winter Pollutant Loading 1998 (pounds)
N-Nitrosodiphenylamine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
N-Nitrosodi-N-Propylamine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Pentachlorophenol, Total, (ug/l)	27	27	BDL	1.4	1.4	0
Phenanthrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Phenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
Pyrene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2,4-Trichlorobenzene, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4,5- Trichlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
2,4,6- Trichlorophenol, Total, (ug/l)	BDL	BDL	BDL	0	0	0
N-Nitrosodimethylamine, Total, (ug/l)	BDL	BDL	BDL	0	0	0
1,2- Diphenylhydrazine, Total, (ug/l)	NS	NS	NS	0	0	0
Dichlorodifluoromethane, Total, (ug/l)	NS	NS	NS	0	0	0
Parachloro-Meta-Cresol, Total, (ug/l)	NS	NS	NS	0	0	0

WATER QUALITY DATA

Mesa 1
Horne and Sixth Street

Mesa 1 - Horne and Sixth Street							
Sampling Station Identification Number	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**
Date of Sampling	**08/03/1997**	**08/26/1997**	**08/31/1997**	**12/02/1997**	**12/07/1997**	**12/22/1997**	**01/10/1998**
Representative Storm Event	N	Y	N	N	N	Y	Y
Agency Collecting Sample	FCD	FCD	FCD	FCD	FCD	FCD	FCD
Agency Analyzing Sample	BOLIN	BOLIN	BOLIN	BOLIN	BOLIN	BOLIN	BOLIN
Drainage Area (acres) (DA)	193	193	193	193	193	193	193
Impervious Area (acres) (IA)	121	121	121	121	121	121	121
Land Use - Residential	193	193	193	193	193	193	193
Land Use - Commercial	0	0	0	0	0	0	0
Land Use - Industrial	0	0	0	0	0	0	0
Land Use - Undeveloped	0	0	0	0	0	0	0
Sampling Duration (minutes)	283	245	142	182	252	340	236
Storm Duration (minutes) (DRN)	391	192	87	171	188	516	360
Runoff Sampled (cubic feet) (RUN)	33,275	8,600	9,900	19,250	15,500	23,100	18,500
Total Storm Runoff (cubic feet)	58,350	9,400	10,800	32,500	16,000	49,000	45,000
Instantaneous Discharge (cfs)	5.34	1.80	2.37	5.0	3.22	3.60	7.00
Preceeding Dry Period (days) (ANT)	122	23	5	17	5	15	19
Total Storm Rainfall (inch)	0.94	0.20	0.18	0.40	0.13	0.55	0.51
Rainfall Sampled (inch) (TRN)	0.76	0.20	0.18	0.40	0.13	0.33	0.41
Maximum 5-minute rain intensity (MAX5)	0.96	0.60	0.48	0.84	0.24	0.48	0.60
Sample Temperature (deg. C)	4	4	4	4	4	4	4
Effluent Temperature (deg. C)	26.8	NM	NM	NM	NM	NM	NM
Ambient Temperature (deg. C)	NM	NM	NM	NM	NM	NM	NM
Barometric Pressure (mm Hg)	NM	NM	NM	NM	NM	NM	NM
pH, Effluent (standard units)	8.5	NM	NM	NM	NM	NM	NM
pH, Lab (standard units)	6.7	--	--	7.5	6.6	6.6	6.7
Specific Conductance, FIELD (us/cm)	--	--	--	--	--	--	--
Specific Conductance, LAB (us/cm)	--	--	--	--	--	--	--
Oxygen Dissolved (% saturation)	--	--	--	--	--	--	--
Oxygen Dissolved (mg/l)	8	9.7	7.8	8.3	9.3	7.1	9.9
Electrical Conductivity (umhos/cm)	193	--	--	89	68	80	87
BOD5 (mg/l)	30	68	38	27	21	47	35

Mesa 1 - Horne and Sixth Street							
Sampling Station Identification Number	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**
Date of Sampling	**08/03/1997**	**08/26/1997**	**08/31/1997**	**12/02/1997**	**12/07/1997**	**12/22/1997**	**01/10/1998**
COD High Level (mg/l)	461	356	--	146	42	100	40
Chloride (mg/l as Cl)	22	--	--	5	<5.0	<5.0	<5.0
Cyanide Total (mg/l as Cn)	<0.01	--	--	<0.01	<0.01	0.02	0.02
Fecal Coliform (CFU/100mL)	24,000	>160000	>160,000	--	50,000	900	500
Fecal Streptococci (CFU/100mL)	16,000	9,000	16,000	--	30,000	24,000	5,000
Solids Residue at 180 Deg. C (TDS) (mg/l)	156	--	--	42	26	52	50
Residue, Total at 105 Deg. C (TSS) (mg/l)	54	--	--	<1.0	27	57	706
Nitrogen No2 + No3, Total (mg/l as N)	1.5	1.4	--	0.7	0.3	0.7	0.4
TKN Nitrogen (mg/l as N)	6.97	5.53	--	1.96	2.2	1.56	2.86
Nitrogen, Ammonia + Organic, Total (mg/l as N)	6.97	--	--	1.96	2.2	1.56	2.86
Nitrogen Nitrate Total (mg/l as N)	1.5	1.4	--	0.7	0.3	0.7	0.3
Nitrogen Nitrite Total (mg/l as N)	<0.1	<0.1	--	<0.1	<0.1	<0.1	<0.1
Nitrogen Ammonia Total (mg/l as N)	2.42	1.68	--	1.61	0.83	0.87	2.55
Nitrogen Organic Total (mg/l as N)	4.55	--	--	0.35	1.37	0.69	0.31
Phosphorous Total (mg/l as P)	0.73	1.53	--	0.55	0.9	0.79	0.24
Phosphorous Dissolved (mg/l as P)	0.48	0.46	--	0.35	0.33	0.36	0.29
Phosphorous Ortho (mg/l as P)	--	0.21	--	0.24	0.22	0.19	0.15
Sulfate Dissolved (mg/l)	16	--	--	<5.0	<5.0	23	5
Hexavalent Chromium Total (mg/l)	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010
Phenols Total Recoverable (ug/l)	--	--	--	46	30	55	55
Oil and Grease Total Recoverable (mg/l)	<10.0	<10.0	<1.0	<10.0	<10.0	<10.0	--
Organic Carbon, Total (mg/l)	--	--	--	18	12	18	18
Bicarbonate Whole Field (mg/l as HCo3)	--	--	--	--	--	--	--
Bicarbonate Dissolved, Field (mg/l as HCo3)	--	--	--	--	--	--	--
Carbonate Water Field (mg/l as Co3)	--	--	--	--	--	--	--
Carbonate Water Dissolved, Field, (mg/l as Co3)	--	--	--	--	--	--	--
Alkalinity Water Field Total (mg/l as CaCo3)	--	--	--	--	--	--	--
Alkalinity Dissolved Water Field Total (mg/l as CaCo3)	--	--	--	--	--	--	--
Alkalinity LAB (mg/l as CaCo3)	36	--	--	21	32	18	20
Silica Dissolved (mg/l as SiO2)	--	--	--	--	--	--	--

Mesa 1 - Horne and Sixth Street							
Sampling Station Identification Number	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**
Date of Sampling	**08/03/1997**	**08/26/1997**	**08/31/1997**	**12/02/1997**	**12/07/1997**	**12/22/1997**	**01/10/1998**
Hardness (mg/l)	47	76	--	33	30	24	35
Antimony (ug/l as Sb)	<5	<5	--	<5	<5	<5	<5
Antimony Dissolved (ug/l as Sb)	<5	<4	--	<4	<4	<4	<4
Arsenic Total (ug/l as As)	<5	<5	--	<5	<5	<5	<5
Arsenic Dissolved (ug/l as As)	<5	<5	--	<5	<5	<5	<5
Barium Dissolved (ug/l as Ba)	--	--	--	--	--	--	--
Beryllium Total Recoverable (ug/l as Be)	<2	2	--	<2	<2	<2	<2
Beryllium Dissolved (ug/l as Be)	<2	<2	--	<2	<2	<2	<2
Cadmium Total Recoverable (ug/l as Cd)	<0.2	0.72	--	<1	<1	0.46	0.54
Cadmium Dissolved (ug/l as Cd)	0.32	0.29	--	<1	<1	<0.2	0.32
Calcium Dissolved (mg/l as Ca)	--	--	--	--	--	--	--
Chromium Total Recoverable (ug/l as Cr)	6	8.2	--	6.2	3.8	3.8	5.5
Chromium Dissolved (ug/l as Cr)	2	2.4	--	1.7	1.4	2.7	1.2
Cobalt Dissolved (ug/l as Co)	--	--	--	--	--	--	--
Copper, Total Recoverable, (ug/l as Cu)	27	68	--	32	14	14	18
Copper, Dissolved, (ug/l as Cu)	19	18	--	20	7	8	<5
Iron, Dissolved, (ug/l as Fe)	--	--	--	--	--	--	--
Lead, Total Recoverable, (ug/l as Pb)	16	18	--	16	7	6	16
Lead, Dissolved, (ug/l as Pb)	1.4	31	--	16	<5	<5	<5
Lithium, Dissolved, (ug/l as Li)	--	--	--	--	--	--	--
Magnesium, Dissolved, (mg/l as Mg)	--	--	--	--	--	--	--
Manganese, Dissolved, (ug/l as Mn)	--	--	--	--	--	--	--
Mercury, Total Recoverable, (ug/l as Hg)	<0.2	<0.2	--	<0.2	<0.2	<0.2	<0.2
Mercury, Dissolved, (ug/l as Hg)	<0.2	<0.2	--	<0.2	<0.2	<0.2	<0.2
Molybdenum, Dissolved, (ug/l as Mo)	--	--	--	--	--	--	--
Nickel, Total Recoverable, (ug/l as Ni)	<10	12	--	<10	<10	4	<10
Nickel, Dissolved, (ug/l as Ni)	<10	6.6	--	<10	<10	2	<10
Potassium, Dissolved, (mg/l as K)	--	--	--	--	--	--	--
Selenium, Total, (ug/l as Se)	<5	<5	--	<5	<5	<5	<5
Selenium, Dissolved, (ug/l as Se)	<5	<5	--	<5	<5	<5	<5

Mesa 1 - Horne and Sixth Street							
Sampling Station Identification Number	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**
Date of Sampling	**08/03/1997**	**08/26/1997**	**08/31/1997**	**12/02/1997**	**12/07/1997**	**12/22/1997**	**01/10/1998**
Silver, Total Recoverable, (ug/l as Ag)	<50	<50	--	<50	<50	<50	<50
Silver, Dissolved, (ug/l as Ag)	<50	<50	--	<50	<50	<50	<50
Sodium, Dissolved, (mg/l as Na)	--	--	--	--	--	--	--
Strontium, Dissolved, (ug/l as Sr)	--	--	--	--	--	--	--
Thallium, Total, (ug/l as Tl)	<1	<1	--	<1	2	<1	<1
Thallium, Dissolved, (ug/l as Tl)	<1	<1	--	<1	<1	<1	<1
Vanadium, Dissolved, (ug/l as V)	--	--	--	--	--	--	--
Zinc, Total Recoverable, (ug/l as Zn)	222	194	--	140	80	90	150
Zinc, Dissolved, (ug/l as Zn)	196	201	--	100	100	80	110
Diazinon, Total, (ug/l)	--	--	--	--	--	--	--
Ethion, Total, (ug/l)	--	--	--	--	--	--	--
Malathion, Total, (ug/l)	--	--	--	--	--	--	--
Methyl Parathion, Total, (ug/l)	--	--	--	--	--	--	--
Parathion, Total, (ug/l)	--	--	--	--	--	--	--
Trithion, Total, (ug/l)	--	--	--	--	--	--	--
Di-syston, Total, (ug/l)	--	--	--	--	--	--	--
Phorate, Total, (ug/l)	--	--	--	--	--	--	--
Chlorpyrifos, Total, (ug/l)	--	--	--	--	--	--	--
DEF, Total, (ug/l)	--	--	--	--	--	--	--
Fonofos(Dy-fonate), WWT, (ug/l)	--	--	--	--	--	--	--
Aldrin, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
BHC - ALPHA, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
BHC - Gamma (Lindane), (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
BHC - DELTA, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Aroclor 1016, PCB, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<10	<10
Aroclor 1221, PCB, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Aroclor 1232, PCB, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Aroclor 1242, PCB, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Aroclor 1248, PCB, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Aroclor 1254, PCB, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0

Mesa 1 - Horne and Sixth Street							
Sampling Station Identification Number	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**
Date of Sampling	**08/03/1997**	**08/26/1997**	**08/31/1997**	**12/02/1997**	**12/07/1997**	**12/22/1997**	**01/10/1998**
Aroclor 1260, PCB, Total, (ug/L)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Chlordane, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
P,P' DDD, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
P,P' DDE, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
P, P' DDT, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Dieldrin, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Endo-Sulfan Alpha, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Endo-Sulfan Beta, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Endo-Sulfan Sulfate, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Endrin Aldehyde, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Endrin, Total, (ug/l)	<0.2	--	--	<0.2	<0.2	<1.0	<1.0
Heptachlor, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Heptachlor Epoxide, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Toxaphene, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Methoxychlor, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
Beta Benzene Hexachloride, Total, (ug/l)	<0.5	--	--	<0.5	<0.5	<1.0	<1.0
1,1,2,2-Tetrachloroethane, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
1,1,1,2-Tetrachloroethane, Total,(ug/l)	--	--	--	--	--	--	--
Tetrachloroethene, PCE, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
1,1,1- Trichloroethane, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
1,1,2- Trichloroethane, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
Trichloroethene, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
1,1- Dichloroethane, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
1,1- Dichloroethene, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
1,2- Dichloroethane, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
1,2- Dichloropropane, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
2- Chloroethylvinyl Ether, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
cis-1,3-Dichloropropene, (ug/l)	<8	<40	<80	<20	<20	<20	<40
trans-1,2- Dichloroethene, (ug/l)	<8	<40	<80	<20	<20	<20	<40
trans-1,3- Dichloropropene, (ug/l)	<8	<40	<80	<20	<20	<20	<40

Mesa 1 - Horne and Sixth Street							
Sampling Station Identification Number	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**
Date of Sampling	**08/03/1997**	**08/26/1997**	**08/31/1997**	**12/02/1997**	**12/07/1997**	**12/22/1997**	**01/10/1998**
Benzene, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
Bromodichloromethane, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
Bromoform, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
Carbon Tetrachloride, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
Chlorobenzene, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
Chloroethane, (ug/l)	<20	<40	<200	<50	<50	<50	<40
Chloroform, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
Ethyl-Benzene, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
Methylene Chloride, Total, (ug/l)	--	--	--	--	--	--	<40
Toluene, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
Trichlorofluoromethane, Total, (ug/l)	<20	<100	<200	<50	<50	<50	<100
Vinyl Chloride, Total, (ug/l)	<20	<100	<200	<50	<50	<50	<100
Chlorodibromomethane, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
4- Methyl, 2- Pentanone, (MIBK), Total, (ug/L)	--	--	--	--	--	--	--
Acetone, Total, (ug/l)	<40	<200	--	<250	<250	<250	<500
2-Butanone, (ug/l)	--	<200	--	<100	<100	<100	<200
Carbon Disulfide, Total, (ug/l)	--	<200	--	<100	<100	<100	<200
1,2 Dichloroethene, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
Xylenes, Total, (ug/l)	<8	<40	--	<20	<20	<20	<40
2-Hexanone, Total, (ug/l)	--	<200	--	<100	<100	<100	<200
Styrene, Total, (ug/l)	--	<40	--	<20	<20	<20	<40
Acrolein, Total, (ug/l)	--	--	--	<500	<500	<500	<1000
Acrylonitirile, Total, (ug/l)	--	--	--	<100	<100	<100	<200
Bromobenzene, Water Whole, Total, (ug/l)	--	--	--	--	--	--	--
1,3-Dichloropropane, Water Whole, Total, (ug/l)	<8	<40	<80	<20	<20	<20	<40
Methyl Bromide, Total, (ug/l)	<20	<100	<200	<50	<50	<50	<100
Methyl Chloride, Total, (ug/l)	<20	<100	<200	<50	<50	<50	<100
Parachloro Toluene, Total, (ug/l)	--	--	--	--	--	--	--
Dibromoethane, Total, (ug/l)	--	--	--	--	--	--	--
Acenaphthene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0

Mesa 1 - Horne and Sixth Street

Sampling Station Identification Number	MESA_1	MESA_1	MESA_1	MESA_1	MESA_1	MESA_1	MESA_1
Date of Sampling	08/03/1997	08/26/1997	08/31/1997	12/02/1997	12/07/1997	12/22/1997	01/10/1998
Acenaphthylene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Anthracene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Benzidine, Total, (ug/l)	<50	--	--	<50	--	<50	<50
Benzoic Acid, Total, (ug/l)	15	--	--	<5.0	--	<5.0	<5.0
Benzo (a) Anthracene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Benzo (b) Fluoranthene, Total, (ug/l)	<5.0	--	--	<5.0	--	<5.0	<5.0
Benzo (k) Fluoranthene, Total, (ug/l)	<5.0	--	--	<5.0	--	<5.0	<5.0
Benzo (ghi) Perylene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Benzo (a) Pyrene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Benzyl Alcohol, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Bis-(2-Chloroethoxy)-Methane, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Bis-(2-Chloroethyl)-Ether, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Bis-(2-Chloroisopropyl)-Ether, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Bis(2-Ethyl Hexyl) Phthalate, Total, (ug/l)	97	--	--	73	--	52	67
4-Bromo-Phenyl Phenyl Ether, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Butyl Benzyl Phthalate, Total, (ug/l)	94	--	--	<5.0	--	<5.0	<5.0
2-Chloronapthalene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
2-Chlorophenol, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
4-Chloro-Phenyl Phenyl Ether, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Chrysene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Dibenzo-[a,h]-Anthracene, Total, (ug/l)	<5.0	--	--	<5.0	--	<5.0	<5.0
Di-N-Butyl Phthalate, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
1,3- Dichlorobenzene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
1,4- Dichlorobenzene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
1,2- Dichlorobenzene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
3,3'- Dichlorobenzidine, Total, (ug/l)	<5.0	--	--	<5.0	--	<5.0	<5.0
2,4- Dichlorophenol, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Diethyl Phthalate, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
2,4- Dimethylphenol, Total, (ug/l)	<5.0	--	--	<5.0	--	<5.0	<5.0
Dimethyl Phthalate, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0

Mesa 1 - Horne and Sixth Street							
Sampling Station Identification Number	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**
Date of Sampling	**08/03/1997**	**08/26/1997**	**08/31/1997**	**12/02/1997**	**12/07/1997**	**12/22/1997**	**01/10/1998**
2-Methyl-4,6-Dinitrophenol, Total, (ug/l)	<5.0	--	--	<5.0	--	<5.0	<5.0
2,4- Dinitrophenol, Total, (ug/l)	<10	--	--	<10	--	<10	<10
2,4- Dinitrotoluene, Total, (ug/l)	<5.0	--	--	<5.0	--	<5.0	<5.0
2,6- Dinitrotoluene, Total, (ug/l)	<5.0	--	--	<5.0	--	<5.0	<5.0
Di-N-Octyl-Phthalate, Total, (ug/l)	5.2	--	--	<5.0	--	<5.0	<5.0
Fluoranthene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Fluorene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Hexachlorobenzene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Hexachlorobutadiene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Hexachlorocyclopentadiene, Total, (ug/l)	<10	--	--	<10	--	<10	<10
Hexachloroethane, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Indeno (1,2,3-CD) Pyrene, Total, (ug/l)	<5.0	--	--	<5.0	--	<5.0	<5.0
Isophorone, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Naphthalene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Nitrobenzene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
2-Nitrophenol, Total, (ug/l)	<5.0	--	--	<5.0	--	<5.0	<5.0
4-Nitrophenol, Total, (ug/l)	<5.0	--	--	<5.0	--	<5.0	<5.0
N-Nitrosodiphenylamine, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
N-Nitrosodi-N-Propylamine, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Pentachlorophenol, Total, (ug/l)	12	--	--	<5.0	--	<5.0	<5.0
Phenanthrene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Phenol, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
Pyrene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
1,2,4-Trichlorobenzene, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
2,4,5- Trichlorophenol, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
2,4,6- Trichlorophenol, Total, (ug/l)	<3.0	--	--	<3.0	--	<3.0	<3.0
N-Nitrosodimethylamine, Total, (ug/l)	--	--	--	--	--	--	--
1,2- Diphenylhydrazine, Total, (ug/l)	--	--	--	<10	--	<10	<10
Dichlorodifluoromethane, Total, (ug/l)	--	--	--	--	--	--	--
Parachloro-Meta-Cresol, Total, (ug/l)	--	--	--	--	--	--	--

Mesa 1 - Horne and Sixth Street					
Sampling Station Identification Number	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**	**04/01/1998**
Representative Storm Event	N	N	N	N	N
Agency Collecting Sample	FCD	FCD	FCD	FCD	FCD
Agency Analyzing Sample	BOLIN	BOLIN	BOLIN	BOLIN	BOLIN
Drainage Area (acres) (DA)	193	193	193	193	193
Impervious Area (acres) (IA)	121	121	121	121	121
Land Use - Residential	193	193	193	193	193
Land Use - Commercial	0	0	0	0	0
Land Use - Industrial	0	0	0	0	0
Land Use - Undeveloped	0	0	0	0	0
Sampling Duration (minutes)	255	302	157	242	480
Storm Duration (minutes) (DRN)	540	278	115	281	60
Runoff Sampled (cubic feet) (RUN)	16,300	20,700	21,700	17,400	12,600
Total Storm Runoff (cubic feet)	56,800	28,900	25,700	29,200	13,000
Instantaneous Discharge (cfs)	4.40	4.50	6.20	2.60	3.30
Preceeding Dry Period (days) (ANT)	25	5	4	9	5
Total Storm Rainfall (inch)	0.80	0.45	0.37	0.41	0.22
Rainfall Sampled (inch) (TRN)	0.40	0.45	0.37	0.38	0.22
Maximum 5-minute rain intensity (MAX5)	0.72	0.48	1.68	0.48	0.48
Sample Temperature (deg. C)	4	4	4	4	4
Effluent Temperature (deg. C)	NM	NM	NM	49	NM
Ambient Temperature (deg. C)	NM	NM	NM	NM	NM
Barometric Pressure (mm Hg)	NM	NM	NM	NM	NM
pH, Effluent (standard units)	NM	NM	NM	NM	NM
pH, Lab (standard units)	7.2	6.9	7.8	6.8	6.7
Specific Conductance, FIELD (us/cm)	--	--	--	--	--
Specific Conductance, LAB (us/cm)	--	--	--	--	--
Oxygen Dissolved (% saturation)	--	--	--	--	--
Oxygen Dissolved (mg/l)	9.5	9.4	9.7	8.6	8.5
Electrical Conductivity (umhos/cm)	88	58	--	--	--
BOD5 (mg/l)	3	74	24	75	68

Mesa 1 - Horne and Sixth Street					
Sampling Station Identification Number	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**	**04/01/1998**
COD High Level (mg/l)	51	<20	96	224	33
Chloride (mg/l as Cl)	6	<5.0	9	7	5
Cyanide Total (mg/l as Cn)	<0.01	<0.01	<0.01	<0.01	<0.01
Fecal Coliform (CFU/100mL)	170	80	5,000	500	1,600
Fecal Streptococci (CFU/100mL)	280	240	9,000	2,400	16,000
Solids Residue at 180 Deg. C (TDS) (mg/l)	66	36	75	140	20
Residue, Total at 105 Deg. C (TSS) (mg/l)	13	30	171	55	22
Nitrogen No2 + No3, Total (mg/l as N)	0.11	0.4	0.4	0.9	0.5
TKN Nitrogen (mg/l as N)	0.4	<1.0	<1.0	1.7	<0.5
Nitrogen, Ammonia + Organic, Total (mg/l as N)	1.13	<1.0	<1.0	1.7	0.85
Nitrogen Nitrate Total (mg/l as N)	0.11	0.4	0.4	0.9	0.5
Nitrogen Nitrite Total (mg/l as N)	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen Ammonia Total (mg/l as N)	1.13	<1.0	<1.0	1.55	0.85
Nitrogen Organic Total (mg/l as N)	<0.01	<0.5	<0.5	0.15	<0.5
Phosphorous Total (mg/l as P)	0.33	0.17	0.29	0.6	2.1
Phosphorous Dissolved (mg/l as P)	0.35	0.08	0.2	0.3	0.08
Phosphorous Ortho (mg/l as P)	0.21	0.12	0.16	0.18	<0.05
Sulfate Dissolved (mg/l)	5	<5.0	5	7	5
Hexavalent Chromium Total (mg/l)	<0.010	0.01	<0.010	<0.010	<0.010
Phenols Total Recoverable (ug/l)	68	23	<5	<5.0	--
Oil and Grease Total Recoverable (mg/l)	<10.0	<10.0	<10.0	<10.0	<10.0
Organic Carbon, Total (mg/l)	23	12	11	42	--
Bicarbonate Whole Field (mg/l as HCo3)	--	--	--	--	--
Bicarbonate Dissolved, Field (mg/l as HCo3)	--	--	--	--	--
Carbonate Water Field (mg/l as Co3)	--	--	--	--	--
Carbonate Water Dissolved, Field, (mg/l as Co3)	--	--	--	--	--
Alkalinity Water Field Total (mg/l as CaCo3)	--	--	--	--	--
Alkalinity Dissolved Water Field Total (mg/l as CaCo3)	--	--	--	--	--
Alkalinity LAB (mg/l as CaCo3)	20	16	50	28	21
Silica Dissolved (mg/l as SiO2)	--	--	--	--	--

Mesa 1 - Horne and Sixth Street					
Sampling Station Identification Number	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**	**04/01/1998**
Hardness (mg/l)	33	17	83	53	40
Antimony (ug/l as Sb)	<5	<5	<5	<5	<5
Antimony Dissolved (ug/l as Sb)	<4	<4	<4	<4	<4
Arsenic Total (ug/l as As)	<5	<5	<5	<5	<5
Arsenic Dissolved (ug/l as As)	<5	6	<5	<5	<5
Barium Dissolved (ug/l as Ba)	--	--	--	--	--
Beryllium Total Recoverable (ug/l as Be)	<2	<2	<2	<2	<2
Beryllium Dissolved (ug/l as Be)	<2	<2	<2	<2	<2
Cadmium Total Recoverable (ug/l as Cd)	0.2	0.24	0.42	0.46	0.4
Cadmium Dissolved (ug/l as Cd)	4.3	1.8	<0.2	0.21	<0.2
Calcium Dissolved (mg/l as Ca)	--	--	--	--	--
Chromium Total Recoverable (ug/l as Cr)	3.5	3.5	11	6.5	6.4
Chromium Dissolved (ug/l as Cr)	1.1	1.6	1.2	1.2	1.9
Cobalt Dissolved (ug/l as Co)	--	--	--	--	--
Copper, Total Recoverable, (ug/l as Cu)	17	9	36	32	<15
Copper, Dissolved, (ug/l as Cu)	10	36	13	17	<15
Iron, Dissolved, (ug/l as Fe)	--	--	--	--	--
Lead, Total Recoverable, (ug/l as Pb)	6	6	14	12	8
Lead, Dissolved, (ug/l as Pb)	<5	9	<5	<5	<5
Lithium, Dissolved, (ug/l as Li)	--	--	--	--	--
Magnesium, Dissolved, (mg/l as Mg)	--	--	--	--	--
Manganese, Dissolved, (ug/l as Mn)	--	--	--	--	--
Mercury, Total Recoverable, (ug/l as Hg)	<0.2	0.2	<0.2	<0.2	<0.2
Mercury, Dissolved, (ug/l as Hg)	<0.2	<0.2	<0.2	<0.2	<0.2
Molybdenum, Dissolved, (ug/l as Mo)	--	--	--	--	--
Nickel, Total Recoverable, (ug/l as Ni)	<8	2.7	9.8	7.2	5.3
Nickel, Dissolved, (ug/l as Ni)	<10	8.6	1.6	3.5	2.8
Potassium, Dissolved, (mg/l as K)	--	--	--	--	--
Selenium, Total, (ug/l as Se)	<5	<5	<5	<5	<5
Selenium, Dissolved, (ug/l as Se)	<5	<5	<5	<5	<5

Mesa 1 - Horne and Sixth Street					
Sampling Station Identification Number	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**	**04/01/1998**
Silver, Total Recoverable, (ug/l as Ag)	<50	<50	<50	<50	<50
Silver, Dissolved, (ug/l as Ag)	<50	<50	<50	<50	<50
Sodium, Dissolved, (mg/l as Na)	--	--	--	--	--
Strontium, Dissolved, (ug/l as Sr)	--	--	--	--	--
Thallium, Total, (ug/l as Tl)	<1	<1	<1	<1	<1
Thallium, Dissolved, (ug/l as Tl)	<1	<1	<1	<1	<1
Vanadium, Dissolved, (ug/l as V)	--	--	--	--	--
Zinc, Total Recoverable, (ug/l as Zn)	80	60	120	130	90
Zinc, Dissolved, (ug/l as Zn)	70	200	30	50	40
Diazinon, Total, (ug/l)	--	--	--	--	--
Ethion, Total, (ug/l)	--	--	--	--	--
Malathion, Total, (ug/l)	--	--	--	--	--
Methyl Parathion, Total, (ug/l)	--	--	--	--	--
Parathion, Total, (ug/l)	--	--	--	--	--
Trithion, Total, (ug/l)	--	--	--	--	--
Di-syston, Total, (ug/l)	--	--	--	--	--
Phorate, Total, (ug/l)	--	--	--	--	--
Chlorpyrifos, Total, (ug/l)	--	--	--	--	--
DEF, Total, (ug/l)	--	--	--	--	--
Fonofos(Dy-fonate), WWT, (ug/l)	--	--	--	--	--
Aldrin, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
BHC - ALPHA, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
BHC - Gamma (Lindane), (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
BHC - DELTA, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
Aroclor 1016, PCB, Total, (ug/l)	<1.0	<10	<1.0	<1.0	<1.0
Aroclor 1221, PCB, Total, (ug/l)	<10	<1.0	<10	<1.0	<10
Aroclor 1232, PCB, Total, (ug/l)	<1.0	<1.0	<1.0	<1.0	<1.0
Aroclor 1242, PCB, Total, (ug/l)	<1.0	<1.0	<1.0	<0.50	<1.0
Aroclor 1248, PCB, Total, (ug/l)	<1.0	<1.0	<1.0	<0.50	<1.0
Aroclor 1254, PCB, Total, (ug/l)	<1.0	<1.0	<1.0	<0.50	<1.0

Mesa 1 - Horne and Sixth Street					
Sampling Station Identification Number	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**	**04/01/1998**
Aroclor 1260, PCB, Total, (ug/L)	<1.0	<1.0	<1.0	<0.60	<1.0
Chlordane, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
P,P' DDD, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
P,P' DDE, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
P, P' DDT, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
Dieldrin, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
Endo-Sulfan Alpha, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
Endo-Sulfan Beta, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
Endo-Sulfan Sulfate, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
Endrin Aldehyde, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
Endrin, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
Heptachlor, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
Heptachlor Epoxide, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
Toxaphene, Total, (ug/l)	<1.0	<1.0	<1.0	<0.50	<1.0
Methoxychlor, Total, (ug/l)	--	<1.0	--	--	--
Beta Benzene Hexachloride, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050	<1.0
1,1,2,2-Tetrachloroethane, Total, (ug/l)	<40	<40	<40	<40	<40
1,1,1,2-Tetrachloroethane, Total,(ug/l)	--	--	--	--	--
Tetrachloroethene, PCE, Total, (ug/l)	<40	<40	<40	<40	<40
1,1,1- Trichloroethane, Total, (ug/l)	<40	<40	<40	<40	<40
1,1,2- Trichloroethane, Total, (ug/l)	<40	<40	<40	<40	<40
Trichloroethene, Total, (ug/l)	<40	<40	<40	<40	<40
1,1- Dichloroethane, Total, (ug/l)	<40	<40	<40	<40	<40
1,1- Dichloroethene, Total, (ug/l)	<40	<40	<40	<40	<40
1,2- Dichloroethane, Total, (ug/l)	<40	<40	<40	<40	<40
1,2- Dichloropropane, Total, (ug/l)	<40	<40	<40	<40	<40
2- Chloroethylvinyl Ether, Total, (ug/l)	<40	<40	<40	<40	<40
cis-1,3-Dichloropropene, (ug/l)	<40	<40	<40	<40	<40
trans-1,2- Dichloroethene, (ug/l)	<40	<40	<40	<40	<40
trans-1,3- Dichloropropene, (ug/l)	<40	<40	<40	<40	<40

Mesa 1 - Horne and Sixth Street					
Sampling Station Identification Number	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**	**04/01/1998**
Benzene, Total, (ug/l)	<40	<40	<40	<40	<40
Bromodichloromethane, Total, (ug/l)	<40	<40	<40	<40	<40
Bromoform, Total, (ug/l)	<40	<40	<40	<40	<40
Carbon Tetrachloride, Total, (ug/l)	<40	<40	<40	<40	<40
Chlorobenzene, Total, (ug/l)	<40	<40	<40	<40	<40
Chloroethane, (ug/l)	<100	<40	<40	<40	<40
Chloroform, Total, (ug/l)	<40	<40	<40	<40	<40
Ethyl-Benzene, Total, (ug/l)	<40	<40	<40	<40	<40
Methylene Chloride, Total, (ug/l)	--	<40	<40	<40	<40
Toluene, Total, (ug/l)	<40	<40	<40	<40	<40
Trichlorofluoromethane, Total, (ug/l)	<100	<100	<100	<100	<100
Vinyl Chloride, Total, (ug/l)	<100	<100	<100	<100	<100
Chlorodibromomethane, Total, (ug/l)	<40	<40	<40	<40	<40
4- Methyl, 2- Pentanone, (MIBK), Total, (ug/L)	--	--	--	--	--
Acetone, Total, (ug/l)	<500	<500	<500	<500	<500
2-Butanone, (ug/l)	<200	<200	<200	<200	<200
Carbon Disulfide, Total, (ug/l)	<200	<200	<200	<200	<200
1,2 Dichloroethene, Total, (ug/l)	<40	<40	<40	<40	<40
Xylenes, Total, (ug/l)	<20	<40	<40	<40	<40
2-Hexanone, Total, (ug/l)	<200	<200	<200	<200	<200
Styrene, Total, (ug/l)	<40	<40	<40	<40	<40
Acrolein, Total, (ug/l)	<1000	<1000	<1000	<1000	<1000
Acrylonitirile, Total, (ug/l)	<200	<200	<200	<200	<200
Bromobenzene, Water Whole, Total, (ug/l)	--	--	--	--	--
1,3-Dichloropropane, Water Whole, Total, (ug/l)	<40	<40	<40	<40	<40
Methyl Bromide, Total, (ug/l)	<100	<100	<100	<100	<100
Methyl Chloride, Total, (ug/l)	<100	<100	<100	<100	<100
Parachloro Toluene, Total, (ug/l)	--	--	--	--	--
Dibromoethane, Total, (ug/l)	--	--	--	--	--
Acenaphthene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--

Mesa 1 - Horne and Sixth Street					
Sampling Station Identification Number	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**	**04/01/1998**
Acenaphthylene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Anthracene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Benzidine, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Benzoic Acid, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Benzo (a) Anthracene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Benzo (b) Fluoranthene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Benzo (k) Fluoranthene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Benzo (ghi) Perylene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Benzo (a) Pyrene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Benzyl Alcohol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Bis-(2-Chloroethoxy)-Methane, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Bis-(2-Chloroethyl)-Ether, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Bis-(2-Chloroisopropyl)-Ether, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Bis(2-Ethyl Hexyl) Phthalate, Total, (ug/l)	45	53	22	99	--
4-Bromo-Phenyl Phenyl Ether, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Butyl Benzyl Phthalate, Total, (ug/l)	<10	<5.0	<5.0	<5.0	--
2-Chloronapthalene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
2-Chlorophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
4-Chloro-Phenyl Phenyl Ether, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Chrysene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Dibenzo-[a,h]-Anthracene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Di-N-Butyl Phthalate, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
1,3- Dichlorobenzene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
1,4- Dichlorobenzene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
1,2- Dichlorobenzene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
3,3'- Dichlorobenzidine, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
2,4- Dichlorophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Diethyl Phthalate, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
2,4- Dimethylphenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Dimethyl Phthalate, Total, (ug/l)	<50	<5.0	<5.0	<5.0	--

Mesa 1 - Horne and Sixth Street					
Sampling Station Identification Number	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**	**MESA_1**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**	**04/01/1998**
2-Methyl-4,6-Dinitrophenol, Total, (ug/l)	<20	<5.0	<5.0	<5.0	--
2,4- Dinitrophenol, Total, (ug/l)	<20	<5.0	<5.0	<5.0	--
2,4- Dinitrotoluene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
2,6- Dinitrotoluene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Di-N-Octyl-Phthalate, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Fluoranthene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Fluorene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Hexachlorobenzene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Hexachlorobutadiene, Total, (ug/l)	<10	<5.0	<5.0	<5.0	--
Hexachlorocyclopentadiene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Hexachloroethane, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Indeno (1,2,3-CD) Pyrene, Total, (ug/l)	<10	<5.0	<5.0	<5.0	--
Isophorone, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Naphthalene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Nitrobenzene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
2-Nitrophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
4-Nitrophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
N-Nitrosodiphenylamine, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
N-Nitrosodi-N-Propylamine, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Pentachlorophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Phenanthrene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Phenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Pyrene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
1,2,4-Trichlorobenzene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
2,4,5- Trichlorophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
2,4,6- Trichlorophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
N-Nitrosodimethylamine, Total, (ug/l)	--	--	--	--	--
1,2- Diphenylhydrazine, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	--
Dichlorodifluoromethane, Total, (ug/l)	--	--	--	--	--
Parachloro-Meta-Cresol, Total, (ug/l)	--	--	--	--	--

Mesa 2
Broadway Road west of Lindsay

Mesa 2 - Broadway and Lindsay						
Sampling Station Identification Number	**MESA_2**	**MESA_2**	**MESA_2**	**MESA_2**	**MESA_2**	**MESA_2**
Date of Sampling	**08/03/1997**	**08/31/1997**	**12/07/1997**	**12/22/1997**	**02/04/1998**	**02/24/1998**
Representative Storm Event	N	N	N	N	Y	N
Agency Collecting Sample	FCD	FCD	FCD	FCD	FCD	FCD
Agency Analyzing Sample	BOLIN	BOLIN	BOLIN	BOLIN	BOLIN	BOLIN
Drainage Area (acres) (DA)	145	145	145	145	145	145
Impervious Area (acres) (IA)	37	37	37	37	37	37
Land Use - Residential	--	--	--	--	--	--
Land Use - Commercial	--	--	--	--	--	--
Land Use - Industrial	--	--	--	--	--	--
Land Use - Undeveloped	--	--	--	--	--	--
Sampling Duration (minutes)	149	149	167	UA	241	318
Storm Duration (minutes) (DRN)	250	86	94	UA	474	UA
Runoff Sampled (cubic feet) (RUN)	151,800	112,000	165,000	89,600	128,800	144,000
Total Storm Runoff (cubic feet)	*713,700*	*250,000*	325,000	*1,000,000*	1,158,000	211,000
Instantaneous Discharge (cfs)	14.6	23.9	29.2	42.8	100.0	27.0
Preceeding Dry Period (days) (ANT)	122	5	5	15	25	4
Total Storm Rainfall (inch)	0.83	0.17	0.11	0.45	0.63	0.43
Rainfall Sampled (inch) (TRN)	0.22	0.17	0.11	0.07	0.32	UA
Maximum 5-minute rain intensity (MAX5)	1.08	0.36	0.36	0.60	0.48	UA
Sample Temperature (deg. C)	4	4	4	4	4	4
Effluent Temperature (deg. C)	28.9	NM	NM	NM	NM	NM
Ambient Temperature (deg. C)	NM	NM	NM	NM	NM	NM
Barometric Pressure (mm Hg)	NM	NM	NM	NM	NM	NM
pH, Effluent (standard units)	8.4	NM	NM	NM	NM	NM
pH, Lab (standard units)	6.9	7.2	6.4	7.6	7.2	7.2
Specific Conductance, FIELD (us/cm)	--	--	--	--	--	--
Specific Conductance, LAB (us/cm)	--	--	--	--	--	--
Oxygen Dissolved (% saturation)	--	--	--	--	--	--
Oxygen Dissolved (mg/l)	8.02	7.8	8.1	6.6	9.5	9.3
Electrical Conductivity (umhos/cm)	276	--	104	1000	--	--
BOD5 (mg/l)	33	--	4	2	42	14

Mesa 2 - Broadway and Lindsay						
Sampling Station Identification Number	**MESA_2**	**MESA_2**	**MESA_2**	**MESA_2**	**MESA_2**	**MESA_2**
Date of Sampling	**08/03/1997**	**08/31/1997**	**12/07/1997**	**12/22/1997**	**02/04/1998**	**02/24/1998**
COD High Level (mg/l)	343	117	63	50	38	70
Chloride (mg/l as Cl)	29	10	5	108	<5.0	<5.0
Cyanide Total (mg/l as Cn)	<0.01	<0.01	<0.01	--	<0.01	<0.01
Fecal Coliform (CFU/100mL)	160,000	160,000	50,000	1,600	16,000	900
Fecal Streptococci (CFU/100mL)	16,000	5,000	>1600	23	9,000	1,600
Solids Residue at 180 Deg. C (TDS) (mg/l)	236	--	54	568	69	67
Residue, Total at 105 Deg. C (TSS) (mg/l)	104	--	29	5	43	99
Nitrogen No2 + No3, Total (mg/l as N)	2.2	0.7	0.7	0.7	0.33	0.4
TKN Nitrogen (mg/l as N)	4.47	1.45	1.8	0.53	1.4	<1.0
Nitrogen, Ammonia + Organic, Total (mg/l as N)	4.47	1.45	1.8	0.53	1.4	<1.0
Nitrogen Nitrate Total (mg/l as N)	2.2	0.7	0.7	0.7	0.33	0.4
Nitrogen Nitrite Total (mg/l as N)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen Ammonia Total (mg/l as N)	3.47	1.22	0.94	0.23	0.84	<1.0
Nitrogen Organic Total (mg/l as N)	1.0	0.2	0.9	0.3	0.6	<0.4
Phosphorous Total (mg/l as P)	3.71	1.2	1.5	0.54	1	0.3
Phosphorous Dissolved (mg/l as P)	1.2	0.49	0.39	0.14	0.47	0.3
Phosphorous Ortho (mg/l as P)	--	--	0.47	0.09	0.33	0.19
Sulfate Dissolved (mg/l)	26	8	8	185	9	<5.0
Hexavalent Chromium Total (mg/l)	<0.010	0.02	<0.010	<0.010	<0.010	<0.010
Phenols Total Recoverable (ug/l)	7.8	<5	17	9	31	54
Oil and Grease Total Recoverable (mg/l)	10	<10.0	<10.0	<10.0	<10.0	<10.0
Organic Carbon, Total (mg/l)	90	27.1	13.8	5.9	--	8.2
Bicarbonate Whole Field (mg/l as HCo3)	--	--	--	--	--	--
Bicarbonate Dissolved, Field (mg/l as HCo3)	--	--	--	--	--	--
Carbonate Water Field (mg/l as Co3)	--	--	--	--	--	--
Carbonate Water Dissolved, Field, (mg/l as Co3)	--	--	--	--	--	--
Alkalinity Water Field Total (mg/l as CaCo3)	--	--	--	--	--	--
Alkalinity Dissolved Water Field Total (mg/l as CaCo3)	--	--	--	--	--	--
Alkalinity LAB (mg/l as CaCo3)	54	40	34	110	24	<2
Silica Dissolved (mg/l as SiO2)	--	--	--	--	--	--

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Sampling Station Identification Number	MESA_2	MESA_2	MESA_2	MESA_2	MESA_2	MESA_2
Date of Sampling	08/03/1997	08/31/1997	12/07/1997	12/22/1997	02/04/1998	02/24/1998
Hardness (mg/l)	150	--	38	246	35	30
Antimony (ug/l as Sb)	<5	<5	<5	<5	<5	<5
Antimony Dissolved (ug/l as Sb)	<4	<4	<4	<4	<4	<4
Arsenic Total (ug/l as As)	<5	<5	<5	<5	<5	<5
Arsenic Dissolved (ug/l as As)	<5	<5	<5	<5	<5	<5
Barium Dissolved (ug/l as Ba)	--	--	--	--	--	--
Beryllium Total Recoverable (ug/l as Be)	<2	<2	<2	<2	<2	<2
Beryllium Dissolved (ug/l as Be)	<2	<2	<2	<2	<2	<2
Cadmium Total Recoverable (ug/l as Cd)	1	<0.2	<1	0.22	0.52	0.43
Cadmium Dissolved (ug/l as Cd)	0.35	<0.2	<1	<0.2	0.42	<0.2
Calcium Dissolved (mg/l as Ca)	--	--	--	--	--	--
Chromium Total Recoverable (ug/l as Cr)	8.3	2.5	4.2	3.6	5.3	9.2
Chromium Dissolved (ug/l as Cr)	2.9	1.4	1.5	2.8	2.3	1.1
Cobalt Dissolved (ug/l as Co)	--	--	--	--	--	--
Copper, Total Recoverable, (ug/l as Cu)	55	12	11	5	16	16
Copper, Dissolved, (ug/l as Cu)	14	13	6	<5	6	<5
Iron, Dissolved, (ug/l as Fe)	--	--	--	--	--	--
Lead, Total Recoverable, (ug/l as Pb)	14	2.8	<5	<5	7	14
Lead, Dissolved, (ug/l as Pb)	3.6	2	<5	<5	<5	<5
Lithium, Dissolved, (ug/l as Li)	--	--	--	--	--	--
Magnesium, Dissolved, (mg/l as Mg)	--	--	--	--	--	--
Manganese, Dissolved, (ug/l as Mn)	--	--	--	--	--	--
Mercury, Total Recoverable, (ug/l as Hg)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Mercury, Dissolved, (ug/l as Hg)	<0.2	<0.2	<0.2	<0.2	0.6	<0.2
Molybdenum, Dissolved, (ug/l as Mo)	--	--	--	--	--	--
Nickel, Total Recoverable, (ug/l as Ni)	23	4.2	<10	2.8	<8	8.3
Nickel, Dissolved, (ug/l as Ni)	13	3.4	<10	1.5	3	1.3
Potassium, Dissolved, (mg/l as K)	--	--	--	--	--	--
Selenium, Total, (ug/l as Se)	<5	<5	<5	<5	<5	<5
Selenium, Dissolved, (ug/l as Se)	<5	<5	<5	<5	<5	<5

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Date of Sampling	**08/03/1997**	**08/31/1997**	**12/07/1997**	**12/22/1997**	**02/04/1998**	**02/24/1998**
Silver, Total Recoverable, (ug/l as Ag)	<50	<50	<50	<50	<50	<50
Silver, Dissolved, (ug/l as Ag)	<50	<50	<50	<50	<50	<50
Sodium, Dissolved, (mg/l as Na)	--	--	--	--	--	--
Strontium, Dissolved, (ug/l as Sr)	--	--	--	--	--	--
Thallium, Total, (ug/l as Tl)	<1	<1	<1	<1	<1	<1
Thallium, Dissolved, (ug/l as Tl)	<1	<1	<1	<1	<1	<1
Vanadium, Dissolved, (ug/l as V)	--	--	--	--	--	--
Zinc, Total Recoverable, (ug/l as Zn)	216	61	60	30	80	110
Zinc, Dissolved, (ug/l as Zn)	138	50	100	30	90	40
Diazinon, Total, (ug/l)	--	--	--	--	--	--
Ethion, Total, (ug/l)	--	--	--	--	--	--
Malathion, Total, (ug/l)	--	--	--	--	--	--
Methyl Parathion, Total, (ug/l)	--	--	--	--	--	--
Parathion, Total, (ug/l)	--	--	--	--	--	--
Trithion, Total, (ug/l)	--	--	--	--	--	--
Di-syston, Total, (ug/l)	--	--	--	--	--	--
Phorate, Total, (ug/l)	--	--	--	--	--	--
Chlorpyrifos, Total, (ug/l)	--	--	--	--	--	--
DEF, Total, (ug/l)	--	--	--	--	--	--
Fonofos(Dy-fonate), WWT, (ug/l)	--	--	--	--	--	--
Aldrin, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
BHC - ALPHA, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
BHC - Gamma (Lindane), (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
BHC - DELTA, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
Aroclor 1016, PCB, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
Aroclor 1221, PCB, Total, (ug/l)	--	<0.5	<0.5	<10	<10	<10
Aroclor 1232, PCB, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
Aroclor 1242, PCB, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
Aroclor 1248, PCB, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
Aroclor 1254, PCB, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0

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Date of Sampling	**08/03/1997**	**08/31/1997**	**12/07/1997**	**12/22/1997**	**02/04/1998**	**02/24/1998**
Aroclor 1260, PCB, Total, (ug/L)	--	<0.5	<0.5	<1.0	<1.0	<1.0
Chlordane, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
P,P' DDD, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
P,P' DDE, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
P, P' DDT, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
Dieldrin, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
Endo-Sulfan Alpha, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
Endo-Sulfan Beta, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
Endo-Sulfan Sulfate, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
Endrin Aldehyde, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
Endrin, Total, (ug/l)	--	<0.1	<0.1	<1.0	<1.0	<1.0
Heptachlor, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
Heptachlor Epoxide, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
Toxaphene, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
Methoxychlor, Total, (ug/l)	--	--	--	--	--	--
Beta Benzene Hexachloride, Total, (ug/l)	--	<0.5	<0.5	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane, Total, (ug/l)	<200	<20	<20	<2	<40	<8
1,1,1,2-Tetrachloroethane, Total,(ug/l)	--	--	--	--	--	--
Tetrachloroethene, PCE, Total, (ug/l)	<200	<20	<20	<2	<40	<8
1,1,1- Trichloroethane, Total, (ug/l)	<200	<20	<20	<2	<40	<8
1,1,2- Trichloroethane, Total, (ug/l)	<200	<20	<20	<2	<40	<8
Trichloroethene, Total, (ug/l)	<200	<20	<20	<2	<40	<8
1,1- Dichloroethane, Total, (ug/l)	<200	<20	<20	<2	<40	<8
1,1- Dichloroethene, Total, (ug/l)	<200	<20	<20	<2	<40	<8
1,2- Dichloroethane, Total, (ug/l)	<200	<20	<20	<2	<40	<8
1,2- Dichloropropane, Total, (ug/l)	<200	<20	<20	<2	<40	<8
2- Chloroethylvinyl Ether, Total, (ug/l)	<200	<20	<20	<2	<40	<8
cis-1,3-Dichloropropene, (ug/l)	<200	<20	<20	<2	<40	<8
trans-1,2- Dichloroethene, (ug/l)	<200	<20	<20	<2	<40	<8
trans-1,3- Dichloropropene, (ug/l)	<200	<20	<20	<2	<40	<8

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Date of Sampling	**08/03/1997**	**08/31/1997**	**12/07/1997**	**12/22/1997**	**02/04/1998**	**02/24/1998**
Benzene, Total, (ug/l)	<200	<20	<20	<2	<40	<8
Bromodichloromethane, Total, (ug/l)	<200	<20	<20	5	<40	<8
Bromoform, Total, (ug/l)	<200	<20	<20	<2	<40	<8
Carbon Tetrachloride, Total, (ug/l)	<200	<20	<20	<2	<40	<8
Chlorobenzene, Total, (ug/l)	<200	<20	<20	<2	<40	<8
Chloroethane, (ug/l)	<500	<50	<50	<5	<100	<20
Chloroform, Total, (ug/l)	<200	<20	<20	4	<40	<8
Ethyl-Benzene, Total, (ug/l)	<200	<20	<20	<2	<40	<8
Methylene Chloride, Total, (ug/l)	--	--	--	--	--	--
Toluene, Total, (ug/l)	<200	<20	<20	<2	<40	<8
Trichlorofluoromethane, Total, (ug/l)	<500	<50	<50	<5	<100	<20
Vinyl Chloride, Total, (ug/l)	<500	<50	<50	<5	<100	<20
Chlorodibromomethane, Total, (ug/l)	<200	<20	<20	6.4	<40	<8
4- Methyl, 2- Pentanone, (MIBK), Total, (ug/L)	--	--	--	--	--	--
Acetone, Total, (ug/l)	<1000	--	--	<25	<500	<100
2-Butanone, (ug/l)	--	--	--	<10	<200	<40
Carbon Disulfide, Total, (ug/l)	--	--	--	<10	<200	<40
1,2 Dichloroethene, Total, (ug/l)	<200	<20	<20	<2	<40	<8
Xylenes, Total, (ug/l)	--	--	--	<1	<20	<4
2-Hexanone, Total, (ug/l)	--	--	--	<10	<200	<40
Styrene, Total, (ug/l)	--	--	--	<2	<40	<8
Acrolein, Total, (ug/l)	--	ND	ND	<50	<1000	<200
Acrylonitirile, Total, (ug/l)	--	ND	ND	<10	<200	<40
Bromobenzene, Water Whole, Total, (ug/l)	--	--	--	--	--	--
1,3-Dichloropropane, Water Whole, Total, (ug/l)	<200	<20	<20	<2	<40	<8
Methyl Bromide, Total, (ug/l)	<500	50	<50	<5	<100	<20
Methyl Chloride, Total, (ug/l)	<500	<50	<50	<5	<100	<20
Parachloro Toluene, Total, (ug/l)	--	--	--	--	--	--
Dibromoethane, Total, (ug/l)	--	--	--	--	--	--
Acenaphthene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0

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Date of Sampling	**08/03/1997**	**08/31/1997**	**12/07/1997**	**12/22/1997**	**02/04/1998**	**02/24/1998**
Acenaphthylene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Anthracene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Benzidine, Total, (ug/l)	--	<50	<50	<50	<5.0	<5.0
Benzoic Acid, Total, (ug/l)	--	<5.0	<5.0	<5.0	<5.0	<5.0
Benzo (a) Anthracene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Benzo (b) Fluoranthene, Total, (ug/l)	--	<5.0	<5.0	<5.0	<5.0	<5.0
Benzo (k) Fluoranthene, Total, (ug/l)	--	<5.0	<5.0	<5.0	<5.0	<5.0
Benzo (ghi) Perylene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Benzo (a) Pyrene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Benzyl Alcohol, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Bis-(2-Chloroethoxy)-Methane, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Bis-(2-Chloroethyl)-Ether, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Bis-(2-Chloroisopropyl)-Ether, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Bis(2-Ethyl Hexyl) Phthalate, Total, (ug/l)	--	220	82	19	88	100
4-Bromo-Phenyl Phenyl Ether, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Butyl Benzyl Phthalate, Total, (ug/l)	--	<5.0	<5.0	<5.0	<10	<5.0
2-Chloronapthalene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
2-Chlorophenol, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
4-Chloro-Phenyl Phenyl Ether, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Chrysene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Dibenzo-[a,h]-Anthracene, Total, (ug/l)	--	<5.0	<5.0	<5.0	<5.0	<5.0
Di-N-Butyl Phthalate, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
1,3- Dichlorobenzene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
1,4- Dichlorobenzene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
1,2- Dichlorobenzene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
3,3'- Dichlorobenzidine, Total, (ug/l)	--	<5.0	<5.0	<5.0	<5.0	<5.0
2,4- Dichlorophenol, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Diethyl Phthalate, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
2,4- Dimethylphenol, Total, (ug/l)	--	<5.0	<5.0	<5.0	<5.0	<5.0
Dimethyl Phthalate, Total, (ug/l)	--	<3.0	<3.0	<3.0	<50	<5.0

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Date of Sampling	**08/03/1997**	**08/31/1997**	**12/07/1997**	**12/22/1997**	**02/04/1998**	**02/24/1998**
2-Methyl-4,6-Dinitrophenol, Total, (ug/l)	--	<5.0	<5.0	<5.0	<20	<5.0
2,4- Dinitrophenol, Total, (ug/l)	--	<10	<10	<10	<20	<5.0
2,4- Dinitrotoluene, Total, (ug/l)	--	<5.0	<5.0	<5.0	<5.0	<5.0
2,6- Dinitrotoluene, Total, (ug/l)	--	<5.0	<5.0	<5.0	<5.0	<5.0
Di-N-Octyl-Phthalate, Total, (ug/l)	--	<5.0	<5.0	<5.0	<5.0	<5.0
Fluoranthene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Fluorene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Hexachlorobenzene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Hexachlorobutadiene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<10	<5.0
Hexachlorocyclopentadiene, Total, (ug/l)	--	<10	<10	<10	<5.0	<5.0
Hexachloroethane, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Indeno (1,2,3-CD) Pyrene, Total, (ug/l)	--	<5.0	<5.0	<5.0	<10	<5.0
Isophorone, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Naphthalene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Nitrobenzene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
2-Nitrophenol, Total, (ug/l)	--	<5.0	<5.0	<5.0	<5.0	<5.0
4-Nitrophenol, Total, (ug/l)	--	<5.0	<5.0	<5.0	<5.0	<5.0
N-Nitrosodiphenylamine, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
N-Nitrosodi-N-Propylamine, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Pentachlorophenol, Total, (ug/l)	--	<5.0	<5.0	<5.0	<5.0	<5.0
Phenanthrene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Phenol, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
Pyrene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
1,2,4-Trichlorobenzene, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
2,4,5- Trichlorophenol, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
2,4,6- Trichlorophenol, Total, (ug/l)	--	<3.0	<3.0	<3.0	<5.0	<5.0
N-Nitrosodimethylamine, Total, (ug/l)	--	--	--	--	--	--
1,2- Diphenylhydrazine, Total, (ug/l)	--	--	--	--	<5.0	<5.0
Dichlorodifluoromethane, Total, (ug/l)	--	--	--	--	--	--
Parachloro-Meta-Cresol, Total, (ug/l)	--	--	--	--	--	--

Mesa 3
Falcon Field

Mesa 3 - Falcon Field							
Sampling Station Identification Number	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**
Date of Sampling	**08/26/1997**	**08/31/1997**	**10/07/1997**	**12/02/1997**	**12/07/1997**	**12/21/1997**	**01/10/1998**
Representative Storm Event	N	N	N	N	N	Y	Y
Agency Collecting Sample	FCD	FCD	FCD	FCD	FCD	FCD	FCD
Agency Analyzing Sample	BOLIN	BOLIN	BOLIN	BOLIN	BOLIN	BOLIN	BOLIN
Drainage Area (acres) (DA)	171	171	171	171	171	171	171
Impervious Area (acres) (IA)	111	111	111	111	111	111	111
Land Use - Residential	--	--	--	--	--	--	--
Land Use - Commercial	--	--	--	--	--	--	--
Land Use - Industrial	--	--	--	--	--	--	--
Land Use - Undeveloped	--	--	--	--	--	--	--
Sampling Duration (minutes)	199	195	92	203	142	156	130
Storm Duration (minutes) (DRN)	90	98	8	60	56	742	366
Runoff Sampled (cubic feet) (RUN)	140,000	147,000	220,000	205,000	181,200	145,000	108,300
Total Storm Runoff (cubic feet)	*200,000*	*275,000*	*400,000*	*281,000*	*791,000*	*1,000,000*	700,000
Instantaneous Discharge (cfs)	27.9	23.1	56.6	24.6	29.3	38.2	35.8
Preceeding Dry Period (days) (ANT)	23	5	38	17	5	14	19
Total Storm Rainfall (inch)	0.16	0.14	0.27	0.17	0.10	0.39	0.49
Rainfall Sampled (inch) (TRN)	0.16	0.14	0.27	0.17	0.10	0.06	0.18
Maximum 5-minute rain intensity (MAX5)	0.72	0.24	2.88	0.24	0.24	0.72	0.60
Sample Temperature (deg. C)	4	4	4	4	4	4	4
Effluent Temperature (deg. C)	NM	NM	NM	NM	NM	NM	NM
Ambient Temperature (deg. C)	NM	NM	NM	NM	NM	NM	NM
Barometric Pressure (mm Hg)	NM	NM	NM	NM	NM	NM	NM
pH, Effluent (standard units)	NM	NM	NM	NM	NM	NM	NM
pH, Lab (standard units)	6.5	7.0	8.3	7.6	6.3	--	5.5
Specific Conductance, FIELD (us/cm)	--	--	--	--	--	--	--
Specific Conductance, LAB (us/cm)	--	--	--	--	--	--	--
Oxygen Dissolved (% saturation)	--	--	--	--	--	--	--
Oxygen Dissolved (mg/l)	9.94	--	8.2	8.5	8.9	--	8.9
Electrical Conductivity (umhos/cm)	131	126	146	51	34	--	44
BOD5 (mg/l)	31	--	37	28	6	--	28

Mesa 3 - Falcon Field							
Sampling Station Identification Number	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**
Date of Sampling	**08/26/1997**	**08/31/1997**	**10/07/1997**	**12/02/1997**	**12/07/1997**	**12/21/1997**	**01/10/1998**
COD High Level (mg/l)	230	104	931	77	34	--	44
Chloride (mg/l as Cl)	<5.0	7	<5.0	<5.0	<5.0	--	<5.0
Cyanide Total (mg/l as Cn)	<0.01	--	<0.01	<0.01	<0.01	--	<0.01
Fecal Coliform (CFU/100mL)	>160000	90,000	900	--	900	--	170
Fecal Streptococci (CFU/100mL)	5,000	900	900	--	5,000	--	160,000
Solids Residue at 180 Deg. C (TDS) (mg/l)	164	116	111	36	15	--	17
Residue, Total at 105 Deg. C (TSS) (mg/l)	114	64	1780	47	20	--	20
Nitrogen No2 + No3, Total (mg/l as N)	1.4	0.7	0.7	0.4	0.2	--	0.6
TKN Nitrogen (mg/l as N)	3.75	2.37	7.08	1.62	1.88	--	1.47
Nitrogen, Ammonia + Organic, Total (mg/l as N)	3.75	2.37	17.96	1.62	2.68	--	1.47
Nitrogen Nitrate Total (mg/l as N)	1.4	0.7	0.7	0.4	0.2	--	0.6
Nitrogen Nitrite Total (mg/l as N)	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1
Nitrogen Ammonia Total (mg/l as N)	2.82	1.49	0.66	1.38	0.8	--	0.86
Nitrogen Organic Total (mg/l as N)	0.93	0.88	17.3	0.24	1.88	--	0.61
Phosphorous Total (mg/l as P)	2.24	0.67	4.2	0.21	0.37	--	0.13
Phosphorous Dissolved (mg/l as P)	0.45	0.24	0.44	0.31	0.11	--	0.09
Phosphorous Ortho (mg/l as P)	--	--	0.28	0.11	0.12	--	0.07
Sulfate Dissolved (mg/l)	14	8	6.7	<5.0	<5.0	--	<5.0
Hexavalent Chromium Total (mg/l)	<0.010	<0.010	<0.010	<0.010	<0.010	--	<0.010
Phenols Total Recoverable (ug/l)	18	5	<5	13	8	--	17
Oil and Grease Total Recoverable (mg/l)	<10.0	<10.0	<10.0	<10.0	<10.0	--	--
Organic Carbon, Total (mg/l)	52.7	47.1	--	8.7	7	--	8.5
Bicarbonate Whole Field (mg/l as HCo3)	--	--	--	--	--	--	--
Bicarbonate Dissolved, Field (mg/l as HCo3)	--	--	--	--	--	--	--
Carbonate Water Field (mg/l as Co3)	--	--	--	--	--	--	--
Carbonate Water Dissolved, Field, (mg/l as Co3)	--	--	--	--	--	--	--
Alkalinity Water Field Total (mg/l as CaCo3)	--	--	--	--	--	--	--
Alkalinity Dissolved Water Field Total (mg/l as CaCo3)	--	--	--	--	--	--	--
Alkalinity LAB (mg/l as CaCo3)	22	20	104	15	38	--	8
Silica Dissolved (mg/l as SiO2)	--	--	--	--	--	--	--

Mesa 3 - Falcon Field

Sampling Station Identification Number	MESA_3	MESA_3	MESA_3	MESA_3	MESA_3	MESA_3	MESA_3
Date of Sampling	08/26/1997	08/31/1997	10/07/1997	12/02/1997	12/07/1997	12/21/1997	01/10/1998
Hardness (mg/l)	62	--	435	30	16	--	15
Antimony (ug/l as Sb)	<5	<5	<5	<5	<5	--	<5
Antimony Dissolved (ug/l as Sb)	<4	<4	<4	<4	<4	--	<4
Arsenic Total (ug/l as As)	<5	<5	12	<5	<5	--	<5
Arsenic Dissolved (ug/l as As)	<5	<5	<5	<5	<5	--	<5
Barium Dissolved (ug/l as Ba)	--	--	--	--	--	--	--
Beryllium Total Recoverable (ug/l as Be)	<2	<2	3	<2	<2	--	<2
Beryllium Dissolved (ug/l as Be)	<2	<2	<2	<2	<2	--	<2
Cadmium Total Recoverable (ug/l as Cd)	1.2	0.51	5	<1	<1	--	0.46
Cadmium Dissolved (ug/l as Cd)	0.47	0.34	0.69	<1	<1	--	3.2
Calcium Dissolved (mg/l as Ca)	--	--	--	--	--	--	--
Chromium Total Recoverable (ug/l as Cr)	14	8.5	70	7.8	4.5	--	3.4
Chromium Dissolved (ug/l as Cr)	6	5.8	13	3.4	2.7	--	1.8
Cobalt Dissolved (ug/l as Co)	--	--	--	--	--	--	--
Copper, Total Recoverable, (ug/l as Cu)	21	11	103	12	6	--	<5
Copper, Dissolved, (ug/l as Cu)	11	6.2	11	<15	<5	--	<5
Iron, Dissolved, (ug/l as Fe)	--	--	--	--	--	--	--
Lead, Total Recoverable, (ug/l as Pb)	19	9.2	119	10	<5	--	6
Lead, Dissolved, (ug/l as Pb)	2.3	2.4	12	8	<5	--	<5
Lithium, Dissolved, (ug/l as Li)	--	--	--	--	--	--	--
Magnesium, Dissolved, (mg/l as Mg)	--	--	--	--	--	--	--
Manganese, Dissolved, (ug/l as Mn)	--	--	--	--	--	--	--
Mercury, Total Recoverable, (ug/l as Hg)	<0.2	<0.2	<0.2	<0.2	<0.2	--	<0.2
Mercury, Dissolved, (ug/l as Hg)	<0.2	<0.2	<0.2	<0.2	<0.2	--	0.4
Molybdenum, Dissolved, (ug/l as Mo)	--	--	--	--	--	--	--
Nickel, Total Recoverable, (ug/l as Ni)	18	8.8	11	<10	<10	--	<10
Nickel, Dissolved, (ug/l as Ni)	11	6	<2	<10	<10	--	<10
Potassium, Dissolved, (mg/l as K)	--	--	--	--	--	--	--
Selenium, Total, (ug/l as Se)	<5	<5	<5	<5	<5	--	<5
Selenium, Dissolved, (ug/l as Se)	<5	<5	<5	<5	<5	--	<5

Mesa 3 - Falcon Field							
Sampling Station Identification Number	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**
Date of Sampling	**08/26/1997**	**08/31/1997**	**10/07/1997**	**12/02/1997**	**12/07/1997**	**12/21/1997**	**01/10/1998**
Silver, Total Recoverable, (ug/l as Ag)	<50	<50	<50	<50	<50	--	<50
Silver, Dissolved, (ug/l as Ag)	<50	<50	<50	<50	<50	--	<50
Sodium, Dissolved, (mg/l as Na)	--	--	--	--	--	--	--
Strontium, Dissolved, (ug/l as Sr)	--	--	--	--	--	--	--
Thallium, Total, (ug/l as Tl)	<1	<1	<1	<1	<1	--	<1
Thallium, Dissolved, (ug/l as Tl)	<1	<1	<1	<1	<1	--	<1
Vanadium, Dissolved, (ug/l as V)	--	--	--	--	--	--	--
Zinc, Total Recoverable, (ug/l as Zn)	163	93	462	80	40	--	60
Zinc, Dissolved, (ug/l as Zn)	109	101	68	60	70	--	100
Diazinon, Total, (ug/l)	--	--	--	--	--	--	--
Ethion, Total, (ug/l)	--	--	--	--	--	--	--
Malathion, Total, (ug/l)	--	--	--	--	--	--	--
Methyl Parathion, Total, (ug/l)	--	--	--	--	--	--	--
Parathion, Total, (ug/l)	--	--	--	--	--	--	--
Trithion, Total, (ug/l)	--	--	--	--	--	--	--
Di-syston, Total, (ug/l)	--	--	--	--	--	--	--
Phorate, Total, (ug/l)	--	--	--	--	--	--	--
Chlorpyrifos, Total, (ug/l)	--	--	--	--	--	--	--
DEF, Total, (ug/l)	--	--	--	--	--	--	--
Fonofos(Dy-fonate), WWT, (ug/l)	--	--	--	--	--	--	--
Aldrin, Total, (ug/l)	<0.5	<0.5	<0.25	<0.5	<0.5	--	<1.0
BHC - ALPHA, (ug/l)	<0.5	<0.5	<0.25	<0.5	<0.5	--	<1.0
BHC - Gamma (Lindane), (ug/l)	<0.5	<0.5	<0.25	<0.5	<0.5	--	<1.0
BHC - DELTA, (ug/l)	<0.5	<0.5	<0.25	<0.5	<0.5	--	<1.0
Aroclor 1016, PCB, Total, (ug/l)	<0.5	<0.5	<2.5	<0.5	<0.5	--	<1.0
Aroclor 1221, PCB, Total, (ug/l)	<0.5	<0.5	<2.5	<0.5	<0.5	--	<10
Aroclor 1232, PCB, Total, (ug/l)	<0.5	<0.5	<2.5	<0.5	<0.5	--	<1.0
Aroclor 1242, PCB, Total, (ug/l)	<0.5	<0.5	<2.5	<0.5	<0.5	--	<1.0
Aroclor 1248, PCB, Total, (ug/l)	<0.5	<0.5	<2.5	<0.5	<0.5	--	<1.0
Aroclor 1254, PCB, Total, (ug/l)	<0.5	<0.5	<2.5	<0.5	<0.5	--	<1.0

Mesa 3 - Falcon Field							
Sampling Station Identification Number	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**
Date of Sampling	**08/26/1997**	**08/31/1997**	**10/07/1997**	**12/02/1997**	**12/07/1997**	**12/21/1997**	**01/10/1998**
Aroclor 1260, PCB, Total, (ug/L)	<0.6	<0.6	<2.5	<0.5	<0.5	--	<1.0
Chlordane, Total, (ug/l)	<0.5	<0.5	<2.5	<0.5	<0.5	--	<1.0
P,P' DDD, Total, (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	--	<1.0
P,P' DDE, Total, (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	--	<1.0
P, P' DDT, Total, (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	--	<1.0
Dieldrin, Total, (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	--	<1.0
Endo-Sulfan Alpha, Total, (ug/l)	<0.5	<0.5	<0.25	<0.5	<0.5	--	<1.0
Endo-Sulfan Beta, Total, (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	--	<1.0
Endo-Sulfan Sulfate, Total, (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	--	<1.0
Endrin Aldehyde, Total, (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	--	<1.0
Endrin, Total, (ug/l)	<0.1	<0.1	<0.1	<0.1	<0.1	--	<1.0
Heptachlor, Total, (ug/l)	<0.5	<0.5	<0.25	<0.5	<0.5	--	<1.0
Heptachlor Epoxide, Total, (ug/l)	<0.5	<0.5	<0.25	<0.5	<0.5	--	<1.0
Toxaphene, Total, (ug/l)	<0.5	<0.5	<5.0	<0.5	<0.5	--	<1.0
Methoxychlor, Total, (ug/l)	--	--	--	--	--	--	--
Beta Benzene Hexachloride, Total, (ug/l)	<0.5	<0.5	<0.25	<0.5	<0.5	--	<1.0
1,1,2,2-Tetrachloroethane, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
1,1,1,2-Tetrachloroethane, Total,(ug/l)	--	--	--	--	--	--	--
Tetrachloroethene, PCE, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
1,1,1- Trichloroethane, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
1,1,2- Trichloroethane, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
Trichloroethene, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
1,1- Dichloroethane, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
1,1- Dichloroethene, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
1,2- Dichloroethane, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
1,2- Dichloropropane, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
2- Chloroethylvinyl Ether, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
cis-1,3-Dichloropropene, (ug/l)	<40	<40	<10	<20	<20	--	<40
trans-1,2- Dichloroethene, (ug/l)	<40	<40	<10	<20	<20	--	<40
trans-1,3- Dichloropropene, (ug/l)	<40	<40	<10	<20	<20	--	<40

Mesa 3 - Falcon Field							
Sampling Station Identification Number	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**
Date of Sampling	**08/26/1997**	**08/31/1997**	**10/07/1997**	**12/02/1997**	**12/07/1997**	**12/21/1997**	**01/10/1998**
Benzene, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
Bromodichloromethane, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
Bromoform, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
Carbon Tetrachloride, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
Chlorobenzene, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
Chloroethane, (ug/l)	<100	<100	<30	<50	<50	--	<100
Chloroform, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
Ethyl-Benzene, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
Methylene Chloride, Total, (ug/l)	--	--	--	--	--	--	--
Toluene, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
Trichlorofluoromethane, Total, (ug/l)	<100	<100	<30	<50	<50	--	<100
Vinyl Chloride, Total, (ug/l)	<100	<100	<30	<50	<50	--	<100
Chlorodibromomethane, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
4- Methyl, 2- Pentanone, (MIBK), Total, (ug/L)	--	--	--	--	--	--	--
Acetone, Total, (ug/l)	<200	<200	<125	<250	<250	--	<500
2-Butanone, (ug/l)	--	--	<50	<100	<100	--	<200
Carbon Disulfide, Total, (ug/l)	--	--	<50	<100	<100	--	<200
1,2 Dichloroethene, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
Xylenes, Total, (ug/l)	--	--	<10	<20	<20	--	<20
2-Hexanone, Total, (ug/l)	--	--	<50	<100	<100	--	<200
Styrene, Total, (ug/l)	--	--	<10	<20	<20	--	<40
Acrolein, Total, (ug/l)	--	--	ND	<500	<500	--	<1000
Acrylonitirile, Total, (ug/l)	--	--	ND	<100	<100	--	<200
Bromobenzene, Water Whole, Total, (ug/l)	--	--	--	--	--	--	--
1,3-Dichloropropane, Water Whole, Total, (ug/l)	<40	<40	<10	<20	<20	--	<40
Methyl Bromide, Total, (ug/l)	<100	<100	<30	<50	<50	--	<100
Methyl Chloride, Total, (ug/l)	<100	<100	<30	<50	<50	--	<100
Parachloro Toluene, Total, (ug/l)	--	--	--	--	--	--	--
Dibromoethane, Total, (ug/l)	--	--	--	--	--	--	--
Acenaphthene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0

Mesa 3 - Falcon Field

Sampling Station Identification Number	MESA_3	MESA_3	MESA_3	MESA_3	MESA_3	MESA_3	MESA_3
Date of Sampling	08/26/1997	08/31/1997	10/07/1997	12/02/1997	12/07/1997	12/21/1997	01/10/1998
Acenaphthylene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Anthracene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Benzidine, Total, (ug/l)	<50	<50	<50	<50	<50	--	<50
Benzoic Acid, Total, (ug/l)	<5.0	18	<5.0	<5.0	<5.0	--	<5.0
Benzo (a) Anthracene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Benzo (b) Fluoranthene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
Benzo (k) Fluoranthene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
Benzo (ghi) Perylene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Benzo (a) Pyrene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Benzyl Alcohol, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Bis-(2-Chloroethoxy)-Methane, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Bis-(2-Chloroethyl)-Ether, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Bis-(2-Chloroisopropyl)-Ether, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Bis(2-Ethyl Hexyl) Phthalate, Total, (ug/l)	18	28	13	11	39	--	61
4-Bromo-Phenyl Phenyl Ether, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Butyl Benzyl Phthalate, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
2-Chloronapthalene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
2-Chlorophenol, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
4-Chloro-Phenyl Phenyl Ether, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Chrysene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Dibenzo-[a,h]-Anthracene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
Di-N-Butyl Phthalate, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
1,3- Dichlorobenzene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
1,4- Dichlorobenzene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
1,2- Dichlorobenzene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
3,3'- Dichlorobenzidine, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
2,4- Dichlorophenol, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Diethyl Phthalate, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
2,4- Dimethylphenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
Dimethyl Phthalate, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0

Mesa 3 - Falcon Field							
Sampling Station Identification Number	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**
Date of Sampling	**08/26/1997**	**08/31/1997**	**10/07/1997**	**12/02/1997**	**12/07/1997**	**12/21/1997**	**01/10/1998**
2-Methyl-4,6-Dinitrophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
2,4- Dinitrophenol, Total, (ug/l)	<10	<10	<10	<10	<10	--	<10
2,4- Dinitrotoluene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
2,6- Dinitrotoluene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
Di-N-Octyl-Phthalate, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
Fluoranthene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Fluorene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Hexachlorobenzene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Hexachlorobutadiene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Hexachlorocyclopentadiene, Total, (ug/l)	<10	<10	<10	<10	<10	--	<10
Hexachloroethane, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Indeno (1,2,3-CD) Pyrene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
Isophorone, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Naphthalene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Nitrobenzene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
2-Nitrophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
4-Nitrophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
N-Nitrosodiphenylamine, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
N-Nitrosodi-N-Propylamine, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Pentachlorophenol, Total, (ug/l)	6.4	<5.0	<5.0	<5.0	<5.0	--	<5.0
Phenanthrene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Phenol, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
Pyrene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
1,2,4-Trichlorobenzene, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
2,4,5- Trichlorophenol, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
2,4,6- Trichlorophenol, Total, (ug/l)	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0
N-Nitrosodimethylamine, Total, (ug/l)	--	--	--	--	--	--	--
1,2- Diphenylhydrazine, Total, (ug/l)	<10	<10	<10	<10	<10	--	<10
Dichlorodifluoromethane, Total, (ug/l)	--	--	--	--	--	--	--
Parachloro-Meta-Cresol, Total, (ug/l)	--	--	--	--	--	--	--

Mesa 3 - Falcon Field				
Sampling Station Identification Number	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
Representative Storm Event	N	N	N	N
Agency Collecting Sample	FCD	FCD	FCD	FCD
Agency Analyzing Sample	BOLIN	BOLIN	BOLIN	BOLIN
Drainage Area (acres) (DA)	171	171	171	171
Impervious Area (acres) (IA)	111	111	111	111
Land Use - Residential	--	--	--	--
Land Use - Commercial	--	--	--	--
Land Use - Industrial	--	--	--	--
Land Use - Undeveloped	--	--	--	--
Sampling Duration (minutes)	191	182	115	139
Storm Duration (minutes) (DRN)	540	278	112	266
Runoff Sampled (cubic feet) (RUN)	105,400	101,000	138,300	169,500
Total Storm Runoff (cubic feet)	900,000	700,000	800,000	500,000
Instantaneous Discharge (cfs)	50	39.6	50	34.7
Preceeding Dry Period (days) (ANT)	25	5	4	9
Total Storm Rainfall (inch)	0.80	0.39	0.25	0.39
Rainfall Sampled (inch) (TRN)	0.09	0.14	0.25	0.24
Maximum 5-minute rain intensity (MAX5)	0.60	0.36	1.08	0.24
Sample Temperature (deg. C)	4	4	4	4
Effluent Temperature (deg. C)	NM	NM	NM	42
Ambient Temperature (deg. C)	NM	NM	NM	NM
Barometric Pressure (mm Hg)	NM	NM	NM	NM
pH, Effluent (standard units)	NM	NM	NM	8.3
pH, Lab (standard units)	7.1	6.8	7.5	6.1
Specific Conductance, FIELD (us/cm)	--	--	--	--
Specific Conductance, LAB (us/cm)	--	--	--	--
Oxygen Dissolved (% saturation)	--	--	--	--
Oxygen Dissolved (mg/l)	10	9.7	9.5	8.6
Electrical Conductivity (umhos/cm)	62	64	--	--
BOD5 (mg/l)	22	59	20	68

Mesa 3 - Falcon Field				
Sampling Station Identification Number	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
COD High Level (mg/l)	53	45	26	184
Chloride (mg/l as Cl)	<5.0	<5.0	<5.0	<5.0
Cyanide Total (mg/l as Cn)	<0.01	<0.01	<0.01	<0.01
Fecal Coliform (CFU/100mL)	300	110	80	11
Fecal Streptococci (CFU/100mL)	500	34	33	170
Solids Residue at 180 Deg. C (TDS) (mg/l)	79	46	39	88
Residue, Total at 105 Deg. C (TSS) (mg/l)	3	19	54	12
Nitrogen No2 + No3, Total (mg/l as N)	<0.1	0.2	0.2	0.6
TKN Nitrogen (mg/l as N)	0.28	<1.0	<0.5	1.1
Nitrogen, Ammonia + Organic, Total (mg/l as N)	1.05	<1.0	<1.0	1.66
Nitrogen Nitrate Total (mg/l as N)	<0.1	0.2	0.2	0.6
Nitrogen Nitrite Total (mg/l as N)	<0.1	<0.1	<0.1	<0.1
Nitrogen Ammonia Total (mg/l as N)	1.05	<1.0	<1.0	1.66
Nitrogen Organic Total (mg/l as N)	<0.1	<0.5	<0.5	<0.5
Phosphorous Total (mg/l as P)	0.14	0.49	0.27	0.5
Phosphorous Dissolved (mg/l as P)	0.56	0.05	0.1	0.2
Phosphorous Ortho (mg/l as P)	0.12	0.12	0.12	0.06
Sulfate Dissolved (mg/l)	<5.0	5	<5.0	6
Hexavalent Chromium Total (mg/l)	<0.010	0.02	<0.010	<0.010
Phenols Total Recoverable (ug/l)	32	29	6	<5.0
Oil and Grease Total Recoverable (mg/l)	<10.0	<10.0	<10.0	<10.0
Organic Carbon, Total (mg/l)	19	17	9.7	33
Bicarbonate Whole Field (mg/l as HCo3)	--	--	--	--
Bicarbonate Dissolved, Field (mg/l as HCo3)	--	--	--	--
Carbonate Water Field (mg/l as Co3)	--	--	--	--
Carbonate Water Dissolved, Field, (mg/l as Co3)	--	--	--	--
Alkalinity Water Field Total (mg/l as CaCo3)	--	--	--	--
Alkalinity Dissolved Water Field Total (mg/l as CaCo3)	--	--	--	--
Alkalinity LAB (mg/l as CaCo3)	14	16	9	<2
Silica Dissolved (mg/l as SiO2)	--	--	--	--

Mesa 3 - Falcon Field				
Sampling Station Identification Number	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
Hardness (mg/l)	<7	20	24	27
Antimony (ug/l as Sb)	<5	<5	<5	<5
Antimony Dissolved (ug/l as Sb)	<4	<4	<4	<4
Arsenic Total (ug/l as As)	<5	<5	<5	<5
Arsenic Dissolved (ug/l as As)	<5	<5	<5	<5
Barium Dissolved (ug/l as Ba)	--	--	--	--
Beryllium Total Recoverable (ug/l as Be)	<2	<2	<2	<2
Beryllium Dissolved (ug/l as Be)	<2	<2	<2	<2
Cadmium Total Recoverable (ug/l as Cd)	0.29	0.37	0.56	0.91
Cadmium Dissolved (ug/l as Cd)	0.29	0.55	0.23	0.77
Calcium Dissolved (mg/l as Ca)	--	--	--	--
Chromium Total Recoverable (ug/l as Cr)	5.1	3.9	5.6	6.2
Chromium Dissolved (ug/l as Cr)	3.1	2.2	1.5	2.2
Cobalt Dissolved (ug/l as Co)	--	--	--	--
Copper, Total Recoverable, (ug/l as Cu)	9	6	14	19
Copper, Dissolved, (ug/l as Cu)	5	21	<5	<15
Iron, Dissolved, (ug/l as Fe)	--	--	--	--
Lead, Total Recoverable, (ug/l as Pb)	<5	<5	10	10
Lead, Dissolved, (ug/l as Pb)	<5	<5	<5	<5
Lithium, Dissolved, (ug/l as Li)	--	--	--	--
Magnesium, Dissolved, (mg/l as Mg)	--	--	--	--
Manganese, Dissolved, (ug/l as Mn)	--	--	--	--
Mercury, Total Recoverable, (ug/l as Hg)	<0.2	<0.2	<0.2	<0.2
Mercury, Dissolved, (ug/l as Hg)	<0.2	0.3	<0.2	<0.2
Molybdenum, Dissolved, (ug/l as Mo)	--	--	--	--
Nickel, Total Recoverable, (ug/l as Ni)	<8	0.4	3.5	7.4
Nickel, Dissolved, (ug/l as Ni)	<10	3.8	1.7	5.3
Potassium, Dissolved, (mg/l as K)	--	--	--	--
Selenium, Total, (ug/l as Se)	<5	<5	<5	<5
Selenium, Dissolved, (ug/l as Se)	<5	<5	<5	<5

Mesa 3 - Falcon Field				
Sampling Station Identification Number	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
Silver, Total Recoverable, (ug/l as Ag)	<50	<50	<50	<50
Silver, Dissolved, (ug/l as Ag)	<50	<50	<50	<50
Sodium, Dissolved, (mg/l as Na)	--	--	--	--
Strontium, Dissolved, (ug/l as Sr)	--	--	--	--
Thallium, Total, (ug/l as Tl)	<1	<1	<1	<1
Thallium, Dissolved, (ug/l as Tl)	<1	<1	<1	<1
Vanadium, Dissolved, (ug/l as V)	--	--	--	--
Zinc, Total Recoverable, (ug/l as Zn)	70	60	90	160
Zinc, Dissolved, (ug/l as Zn)	70	60	50	120
Diazinon, Total, (ug/l)	--	--	--	--
Ethion, Total, (ug/l)	--	--	--	--
Malathion, Total, (ug/l)	--	--	--	--
Methyl Parathion, Total, (ug/l)	--	--	--	--
Parathion, Total, (ug/l)	--	--	--	--
Trithion, Total, (ug/l)	--	--	--	--
Di-syston, Total, (ug/l)	--	--	--	--
Phorate, Total, (ug/l)	--	--	--	--
Chlorpyrifos, Total, (ug/l)	--	--	--	--
DEF, Total, (ug/l)	--	--	--	--
Fonofos(Dy-fonate), WWT, (ug/l)	--	--	--	--
Aldrin, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050
BHC - ALPHA, (ug/l)	<1.0	<1.0	<1.0	<0.050
BHC - Gamma (Lindane), (ug/l)	<1.0	<1.0	<1.0	<0.050
BHC - DELTA, (ug/l)	<1.0	<1.0	<1.0	<0.050
Aroclor 1016, PCB, Total, (ug/l)	<1.0	<1.0	<1.0	<1.0
Aroclor 1221, PCB, Total, (ug/l)	<10	<10	<10	<1.0
Aroclor 1232, PCB, Total, (ug/l)	<1.0	<1.0	<1.0	<1.0
Aroclor 1242, PCB, Total, (ug/l)	<1.0	<1.0	<1.0	<0.50
Aroclor 1248, PCB, Total, (ug/l)	<1.0	<1.0	<1.0	<0.50
Aroclor 1254, PCB, Total, (ug/l)	<1.0	<1.0	<1.0	<0.50

Mesa 3 - Falcon Field				
Sampling Station Identification Number	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
Aroclor 1260, PCB, Total, (ug/L)	<1.0	<1.0	<1.0	<0.60
Chlordane, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050
P,P' DDD, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050
P,P' DDE, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050
P, P' DDT, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050
Dieldrin, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050
Endo-Sulfan Alpha, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050
Endo-Sulfan Beta, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050
Endo-Sulfan Sulfate, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050
Endrin Aldehyde, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050
Endrin, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050
Heptachlor, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050
Heptachlor Epoxide, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050
Toxaphene, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050
Methoxychlor, Total, (ug/l)	--	--	--	<0.050
Beta Benzene Hexachloride, Total, (ug/l)	<1.0	<1.0	<1.0	<0.050
1,1,2,2-Tetrachloroethane, Total, (ug/l)	<40	<40	<8	<40
1,1,1,2-Tetrachloroethane, Total,(ug/l)	--	--	--	--
Tetrachloroethene, PCE, Total, (ug/l)	<40	<40	<8	<40
1,1,1- Trichloroethane, Total, (ug/l)	<40	<40	<8	<40
1,1,2- Trichloroethane, Total, (ug/l)	<40	<40	<8	<40
Trichloroethene, Total, (ug/l)	<40	<40	<8	<40
1,1- Dichloroethane, Total, (ug/l)	<40	<40	<8	<40
1,1- Dichloroethene, Total, (ug/l)	<40	<40	<8	<40
1,2- Dichloroethane, Total, (ug/l)	<40	<40	<8	<40
1,2- Dichloropropane, Total, (ug/l)	<40	<40	<8	<40
2- Chloroethylvinyl Ether, Total, (ug/l)	<40	<40	<8	<40
cis-1,3-Dichloropropene, (ug/l)	<40	<40	<8	<40
trans-1,2- Dichloroethene, (ug/l)	<40	<40	<8	<40
trans-1,3- Dichloropropene, (ug/l)	<40	<40	<8	<40

Mesa 3 - Falcon Field				
Sampling Station Identification Number	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
Benzene, Total, (ug/l)	<40	<40	<8	<40
Bromodichloromethane, Total, (ug/l)	<40	<40	<8	<40
Bromoform, Total, (ug/l)	<40	<40	<8	<40
Carbon Tetrachloride, Total, (ug/l)	<40	<40	<8	<40
Chlorobenzene, Total, (ug/l)	<40	<40	<8	<40
Chloroethane, (ug/l)	<100	<100	<20	<100
Chloroform, Total, (ug/l)	<40	<40	<8	<40
Ethyl-Benzene, Total, (ug/l)	<40	<40	<8	<40
Methylene Chloride, Total, (ug/l)	--	--	--	--
Toluene, Total, (ug/l)	<40	<40	<8	<40
Trichlorofluoromethane, Total, (ug/l)	<100	<100	<20	<100
Vinyl Chloride, Total, (ug/l)	<100	<100	<20	<100
Chlorodibromomethane, Total, (ug/l)	<40	<40	<8	<40
4- Methyl, 2- Pentanone, (MIBK), Total, (ug/L)	--	--	--	--
Acetone, Total, (ug/l)	<500	<500	<100	<500
2-Butanone, (ug/l)	<200	<200	<40	<200
Carbon Disulfide, Total, (ug/l)	<200	<200	<40	<200
1,2 Dichloroethene, Total, (ug/l)	<40	<40	<8	<40
Xylenes, Total, (ug/l)	<20	<20	<4	<20
2-Hexanone, Total, (ug/l)	<200	<200	<40	<200
Styrene, Total, (ug/l)	<40	<40	<8	<40
Acrolein, Total, (ug/l)	<1000	<1000	<200	<1000
Acrylonitirile, Total, (ug/l)	<200	<200	<40	<200
Bromobenzene, Water Whole, Total, (ug/l)	--	--	--	--
1,3-Dichloropropane, Water Whole, Total, (ug/l)	<40	<40	<8	<40
Methyl Bromide, Total, (ug/l)	<100	<100	<20	<100
Methyl Chloride, Total, (ug/l)	<100	<100	<20	<100
Parachloro Toluene, Total, (ug/l)	--	--	--	--
Dibromoethane, Total, (ug/l)	--	--	--	--
Acenaphthene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0

Mesa 3 - Falcon Field				
Sampling Station Identification Number	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
Acenaphthylene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Anthracene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Benzidine, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Benzoic Acid, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Benzo (a) Anthracene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Benzo (b) Fluoranthene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Benzo (k) Fluoranthene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Benzo (ghi) Perylene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Benzo (a) Pyrene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Benzyl Alcohol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Bis-(2-Chloroethoxy)-Methane, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Bis-(2-Chloroethyl)-Ether, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Bis-(2-Chloroisopropyl)-Ether, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Bis(2-Ethyl Hexyl) Phthalate, Total, (ug/l)	22	41	35	76
4-Bromo-Phenyl Phenyl Ether, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Butyl Benzyl Phthalate, Total, (ug/l)	<10	<5.0	<5.0	<10
2-Chloronapthalene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
2-Chlorophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
4-Chloro-Phenyl Phenyl Ether, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Chrysene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Dibenzo-[a,h]-Anthracene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Di-N-Butyl Phthalate, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
1,3- Dichlorobenzene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
1,4- Dichlorobenzene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
1,2- Dichlorobenzene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
3,3'- Dichlorobenzidine, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
2,4- Dichlorophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Diethyl Phthalate, Total, (ug/l)	<5.0	<5.0	<5.0	5.3
2,4- Dimethylphenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Dimethyl Phthalate, Total, (ug/l)	<50	<5.0	<5.0	<50

Mesa 3 - Falcon Field				
Sampling Station Identification Number	**MESA_3**	**MESA_3**	**MESA_3**	**MESA_3**
Date of Sampling	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
2-Methyl-4,6-Dinitrophenol, Total, (ug/l)	<20	<5.0	<5.0	<20
2,4- Dinitrophenol, Total, (ug/l)	<20	<5.0	<5.0	<20
2,4- Dinitrotoluene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
2,6- Dinitrotoluene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Di-N-Octyl-Phthalate, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Fluoranthene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Fluorene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Hexachlorobenzene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Hexachlorobutadiene, Total, (ug/l)	<10	<5.0	<5.0	<10
Hexachlorocyclopentadiene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Hexachloroethane, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Indeno (1,2,3-CD) Pyrene, Total, (ug/l)	<10	<5.0	<5.0	<10
Isophorone, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Naphthalene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Nitrobenzene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
2-Nitrophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
4-Nitrophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
N-Nitrosodiphenylamine, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
N-Nitrosodi-N-Propylamine, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Pentachlorophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Phenanthrene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Phenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Pyrene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
2,4,5- Trichlorophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
2,4,6- Trichlorophenol, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
N-Nitrosodimethylamine, Total, (ug/l)	--	--	--	--
1,2- Diphenylhydrazine, Total, (ug/l)	<5.0	<5.0	<5.0	<5.0
Dichlorodifluoromethane, Total, (ug/l)	--	--	--	--
Parachloro-Meta-Cresol, Total, (ug/l)	--	--	--	--

Mesa 4
Horne and Grandview

Mesa 4 - Horne and Grandview						
Sampling Station Identification Number	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**
Date of Sampling	**08/31/1997**	**12/02/1997**	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
Representative Storm Event	N	UA	N	N	N	N
Agency Collecting Sample	FCD	FCD	FCD	FCD	FCD	FCD
Agency Analyzing Sample	BOLIN	BOLIN	BOLIN	BOLIN	BOLIN	BOLIN
Drainage Area (acres) (DA)	113.1	113.1	113.1	113.1	113.1	113.1
Impervious Area (acres) (IA)	58	58	58	58	58	58
Land Use - Residential	100	100	100	100	100	100
Land Use - Commercial	0	0	0	0	0	0
Land Use - Industrial	0	0	0	0	0	0
Land Use - Undeveloped	0	0	0	0	0	0
Sampling Duration (minutes)	179	UA	248	261	183	266
Storm Duration (minutes) (DRN)	203	UA	543	269	113	279
Runoff Sampled (cubic feet) (RUN)	24,630	38,000	54,600	65,100	63,000	58,500
Total Storm Runoff (cubic feet)	26,300	UA	208,000	116,000	72,000	78,000
Instantaneous Discharge (cfs)	8.32	11.60	15.60	13.80	26.40	6.50
Preceeding Dry Period (days) (ANT)	28	17	25	5	4	9
Total Storm Rainfall (inch)	0.14	UA	0.72	0.39	0.27	0.35
Rainfall Sampled (inch) (TRN)	0.13	0.27	0.34	0.35	0.27	0.33
Maximum 5-minute rain intensity (MAX5)	0.36	0.96	0.36	0.36	1.56	0.24
Sample Temperature (deg. C)	4	4	4	4	4	4
Effluent Temperature (deg. C)	NM	NM	NM	NM	NM	48
Ambient Temperature (deg. C)	NM	NM	NM	NM	NM	NM
Barometric Pressure (mm Hg)	NM	NM	NM	NM	NM	NM
pH, Effluent (standard units)	NM	NM	NM	NM	NM	8.2
pH, Lab (standard units)	7.7	6.5	7.2	7.1	6.9	6.6
Specific Conductance, FIELD (us/cm)	--	--	--	--	--	--
Specific Conductance, LAB (us/cm)	--	--	--	--	--	--
Oxygen Dissolved (% saturation)	--	--	--	--	--	--
Oxygen Dissolved (mg/l)	7.08	7.8	9.8	4.9	8.9	8.3
Electrical Conductivity (umhos/cm)	224	109	111	90	--	--
BOD5 (mg/l)	33	58	113	148	30	103

Mesa 4 - Horne and Grandview						
Sampling Station Identification Number	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**
Date of Sampling	**08/31/1997**	**12/02/1997**	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
COD High Level (mg/l)	100	147	81	44	28	155
Chloride (mg/l as Cl)	23	7	11	6	6	6
Cyanide Total (mg/l as Cn)	--	--	<0.01	<0.01	<0.01	<0.01
Fecal Coliform (CFU/100mL)	>160,000	--	30,000	3,000	24,000	1,600
Fecal Streptococci (CFU/100mL)	3,000	--	4	16,000	9,000	1,600
Solids Residue at 180 Deg. C (TDS) (mg/l)	197	65	88	33	92	76
Residue, Total at 105 Deg. C (TSS) (mg/l)	396	73	26	135	34	23
Nitrogen No2 + No3, Total (mg/l as N)	1.2	0.7	0.45	0.3	0.4	0.6
TKN Nitrogen (mg/l as N)	3.82	2.79	0.3	<1.0	<1.0	0.8
Nitrogen, Ammonia + Organic, Total (mg/l as N)	3.82	2.79	1.05	<1.0	<1.0	2.2
Nitrogen Nitrate Total (mg/l as N)	1.2	0.7	0.45	0.3	0.4	0.6
Nitrogen Nitrite Total (mg/l as N)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen Ammonia Total (mg/l as N)	0.69	1.85	1.05	<1.0	<1.0	2.2
Nitrogen Organic Total (mg/l as N)	3.13	0.94	<0.01	<0.5	<0.5	<0.5
Phosphorous Total (mg/l as P)	1.2	0.5	0.27	0.22	0.3	0.4
Phosphorous Dissolved (mg/l as P)	0.33	0.35	0.42	0.16	0.29	0.3
Phosphorous Ortho (mg/l as P)	--	0.21	0.25	0.19	0.11	0.21
Sulfate Dissolved (mg/l)	9	<5.0	19	5	5	6
Hexavalent Chromium Total (mg/l)	0.02	<0.010	<0.010	0.02	<0.010	<0.010
Phenols Total Recoverable (ug/l)	<5	--	92	29	14	9.5
Oil and Grease Total Recoverable (mg/l)	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Organic Carbon, Total (mg/l)	27	--	--	12	10	22
Bicarbonate Whole Field (mg/l as HCo3)	--	--	--	--	--	--
Bicarbonate Dissolved, Field (mg/l as HCo3)	--	--	--	--	--	--
Carbonate Water Field (mg/l as Co3)	--	--	--	--	--	--
Carbonate Water Dissolved, Field, (mg/l as Co3)	--	--	--	--	--	--
Alkalinity Water Field Total (mg/l as CaCo3)	--	--	--	--	--	--
Alkalinity Dissolved Water Field Total (mg/l as CaCo3)	--	--	--	--	--	--
Alkalinity LAB (mg/l as CaCo3)	14	28	23	24	17	22
Silica Dissolved (mg/l as SiO2)	--	--	--	--	--	--

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Date of Sampling	**08/31/1997**	**12/02/1997**	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
Hardness (mg/l)	--	58	38	26	29	38
Antimony (ug/l as Sb)	<5	<5	<5	<5	<5	<5
Antimony Dissolved (ug/l as Sb)	<4	5	<4	<4	<4	<4
Arsenic Total (ug/l as As)	<5	50	12	<5	<5	<5
Arsenic Dissolved (ug/l as As)	<5	49	12	<5	<5	<5
Barium Dissolved (ug/l as Ba)	--	--	--	--	--	--
Beryllium Total Recoverable (ug/l as Be)	<2	<2	<2	<2	<2	<2
Beryllium Dissolved (ug/l as Be)	<2	<2	<2	<2	<2	<2
Cadmium Total Recoverable (ug/l as Cd)	0.23	<1	0.43	0.22	0.27	0.35
Cadmium Dissolved (ug/l as Cd)	<0.2	<1	<0.2	<0.2	<0.2	<0.2
Calcium Dissolved (mg/l as Ca)	--	--	--	--	--	--
Chromium Total Recoverable (ug/l as Cr)	2.3	11	4.6	4.7	5.4	5.5
Chromium Dissolved (ug/l as Cr)	1.9	2.1	1.6	1.1	1.3	1.1
Cobalt Dissolved (ug/l as Co)	--	--	--	--	--	--
Copper, Total Recoverable, (ug/l as Cu)	25	34	22	9	14	18
Copper, Dissolved, (ug/l as Cu)	11	16	10	6	<5	<15
Iron, Dissolved, (ug/l as Fe)	--	--	--	--	--	--
Lead, Total Recoverable, (ug/l as Pb)	2.3	22	8	6	8	8
Lead, Dissolved, (ug/l as Pb)	2.2	16	5	<5	<5	<5
Lithium, Dissolved, (ug/l as Li)	--	--	--	--	--	--
Magnesium, Dissolved, (mg/l as Mg)	--	--	--	--	--	--
Manganese, Dissolved, (ug/l as Mn)	--	--	--	--	--	--
Mercury, Total Recoverable, (ug/l as Hg)	<0.2	<0.2	<0.2	0.2	<0.2	<0.2
Mercury, Dissolved, (ug/l as Hg)	<0.2	<0.2	0.3	<0.2	<0.2	<0.2
Molybdenum, Dissolved, (ug/l as Mo)	--	--	--	--	--	--
Nickel, Total Recoverable, (ug/l as Ni)	2.3	<10	<8	3.6	3.4	5.5
Nickel, Dissolved, (ug/l as Ni)	5.8	<10	<10	2.2	2.5	2.4
Potassium, Dissolved, (mg/l as K)	--	--	--	--	--	--
Selenium, Total, (ug/l as Se)	<5	<5	<5	<5	<5	<5
Selenium, Dissolved, (ug/l as Se)	<5	<5	<5	<5	<5	<5

Mesa 4 - Horne and Grandview						
Sampling Station Identification Number	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**
Date of Sampling	**08/31/1997**	**12/02/1997**	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
Silver, Total Recoverable, (ug/l as Ag)	<50	<50	<50	<50	<50	<50
Silver, Dissolved, (ug/l as Ag)	<50	<50	<50	<50	<50	<50
Sodium, Dissolved, (mg/l as Na)	--	--	--	--	--	--
Strontium, Dissolved, (ug/l as Sr)	--	--	--	--	--	--
Thallium, Total, (ug/l as Tl)	<1	<1	<1	<1	<1	<1
Thallium, Dissolved, (ug/l as Tl)	<1	<1	<1	<1	<1	<1
Vanadium, Dissolved, (ug/l as V)	--	--	--	--	--	--
Zinc, Total Recoverable, (ug/l as Zn)	36	150	100	40	70	70
Zinc, Dissolved, (ug/l as Zn)	43	100	60	30	50	20
Diazinon, Total, (ug/l)	--	--	--	--	--	--
Ethion, Total, (ug/l)	--	--	--	--	--	--
Malathion, Total, (ug/l)	--	--	--	--	--	--
Methyl Parathion, Total, (ug/l)	--	--	--	--	--	--
Parathion, Total, (ug/l)	--	--	--	--	--	--
Trithion, Total, (ug/l)	--	--	--	--	--	--
Di-syston, Total, (ug/l)	--	--	--	--	--	--
Phorate, Total, (ug/l)	--	--	--	--	--	--
Chlorpyrifos, Total, (ug/l)	--	--	--	--	--	--
DEF, Total, (ug/l)	--	--	--	--	--	--
Fonofos(Dy-fonate), WWT, (ug/l)	--	--	--	--	--	--
Aldrin, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
BHC - ALPHA, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
BHC - Gamma (Lindane), (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
BHC - DELTA, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
Aroclor 1016, PCB, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<1.0
Aroclor 1221, PCB, Total, (ug/l)	--	--	<10	<10	<10	<1.0
Aroclor 1232, PCB, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<1.0
Aroclor 1242, PCB, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.50
Aroclor 1248, PCB, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.50
Aroclor 1254, PCB, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.50

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Sampling Station Identification Number	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**
Date of Sampling	**08/31/1997**	**12/02/1997**	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
Aroclor 1260, PCB, Total, (ug/L)	--	--	<1.0	<1.0	<1.0	<0.60
Chlordane, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
P,P' DDD, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
P,P' DDE, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
P, P' DDT, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
Dieldrin, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
Endo-Sulfan Alpha, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
Endo-Sulfan Beta, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
Endo-Sulfan Sulfate, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
Endrin Aldehyde, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
Endrin, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
Heptachlor, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
Heptachlor Epoxide, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
Toxaphene, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
Methoxychlor, Total, (ug/l)	--	--	--	--	--	<0.050
Beta Benzene Hexachloride, Total, (ug/l)	--	--	<1.0	<1.0	<1.0	<0.050
1,1,2,2-Tetrachloroethane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
1,1,1,2-Tetrachloroethane, Total,(ug/l)	--	--	--	--	--	--
Tetrachloroethene, PCE, Total, (ug/l)	<40	<40	<40	<40	<40	<40
1,1,1- Trichloroethane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
1,1,2- Trichloroethane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Trichloroethene, Total, (ug/l)	<40	<40	<40	<40	<40	<40
1,1- Dichloroethane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
1,1- Dichloroethene, Total, (ug/l)	<40	<40	<40	<40	<40	<40
1,2- Dichloroethane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
1,2- Dichloropropane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
2- Chloroethylvinyl Ether, Total, (ug/l)	<40	<40	<40	<40	<40	<40
cis-1,3-Dichloropropene, (ug/l)	<40	<40	<40	<40	<40	<40
trans-1,2- Dichloroethene, (ug/l)	<40	<40	<40	<40	<40	<40
trans-1,3- Dichloropropene, (ug/l)	<40	<40	<40	<40	<40	<40

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Sampling Station Identification Number	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**
Date of Sampling	**08/31/1997**	**12/02/1997**	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
Benzene, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Bromodichloromethane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Bromoform, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Carbon Tetrachloride, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Chlorobenzene, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Chloroethane, (ug/l)	<100	<100	<100	<100	<100	<100
Chloroform, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Ethyl-Benzene, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Methylene Chloride, Total, (ug/l)	--	--	--	--	--	--
Toluene, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Trichlorofluoromethane, Total, (ug/l)	<100	<100	<100	<100	<100	<100
Vinyl Chloride, Total, (ug/l)	<100	<100	<100	<100	<100	<100
Chlorodibromomethane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
4- Methyl, 2- Pentanone, (MIBK), Total, (ug/L)	--	--	--	--	--	--
Acetone, Total, (ug/l)	<200	<200	<500	<500	<500	<500
2-Butanone, (ug/l)	--	--	<200	<200	<200	<200
Carbon Disulfide, Total, (ug/l)	--	--	<200	<200	<200	<200
1,2 Dichloroethene, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Xylenes, Total, (ug/l)	--	--	<20	<20	<20	<20
2-Hexanone, Total, (ug/l)	--	--	<200	<200	<200	<200
Styrene, Total, (ug/l)	--	--	<40	<40	<40	<40
Acrolein, Total, (ug/l)	--	--	<1000	<1000	<1000	<1000
Acrylonitirile, Total, (ug/l)	--	--	<200	<200	<200	<200
Bromobenzene, Water Whole, Total, (ug/l)	--	--	--	--	--	--
1,3-Dichloropropane, Water Whole, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Methyl Bromide, Total, (ug/l)	<100	<100	<100	<100	<100	<100
Methyl Chloride, Total, (ug/l)	<100	<100	<100	<100	<100	<100
Parachloro Toluene, Total, (ug/l)	--	--	--	--	--	--
Dibromoethane, Total, (ug/l)	--	--	--	--	--	--
Acenaphthene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0

Mesa 4 - Horne and Grandview						
Sampling Station Identification Number	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**
Date of Sampling	**08/31/1997**	**12/02/1997**	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
Acenaphthylene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Anthracene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Benzidine, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Benzoic Acid, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Benzo (a) Anthracene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Benzo (b) Fluoranthene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Benzo (k) Fluoranthene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Benzo (ghi) Perylene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Benzo (a) Pyrene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Benzyl Alcohol, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Bis-(2-Chloroethoxy)-Methane, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Bis-(2-Chloroethyl)-Ether, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Bis-(2-Chloroisopropyl)-Ether, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Bis(2-Ethyl Hexyl) Phthalate, Total, (ug/l)	--	--	420	470	530	150
4-Bromo-Phenyl Phenyl Ether, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Butyl Benzyl Phthalate, Total, (ug/l)	--	--	<10	<5.0	<25	<10
2-Chloronapthalene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
2-Chlorophenol, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
4-Chloro-Phenyl Phenyl Ether, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Chrysene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Dibenzo-[a,h]-Anthracene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Di-N-Butyl Phthalate, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
1,3- Dichlorobenzene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
1,4- Dichlorobenzene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
1,2- Dichlorobenzene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
3,3'- Dichlorobenzidine, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
2,4- Dichlorophenol, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Diethyl Phthalate, Total, (ug/l)	--	--	5.3	<5.0	<25	5.3
2,4- Dimethylphenol, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Dimethyl Phthalate, Total, (ug/l)	--	--	<50	<5.0	<25	<50

Mesa 4 - Horne and Grandview						
Sampling Station Identification Number	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**	**MESA_4**
Date of Sampling	**08/31/1997**	**12/02/1997**	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**
2-Methyl-4,6-Dinitrophenol, Total, (ug/l)	--	--	<20	<5.0	<25	<20
2,4- Dinitrophenol, Total, (ug/l)	--	--	<20	<5.0	<25	<20
2,4- Dinitrotoluene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
2,6- Dinitrotoluene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Di-N-Octyl-Phthalate, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Fluoranthene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Fluorene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Hexachlorobenzene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Hexachlorobutadiene, Total, (ug/l)	--	--	<10	<5.0	<25	<10
Hexachlorocyclopentadiene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Hexachloroethane, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Indeno (1,2,3-CD) Pyrene, Total, (ug/l)	--	--	<10	<5.0	<25	<10
Isophorone, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Naphthalene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Nitrobenzene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
2-Nitrophenol, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
4-Nitrophenol, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
N-Nitrosodiphenylamine, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
N-Nitrosodi-N-Propylamine, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Pentachlorophenol, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Phenanthrene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Phenol, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Pyrene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
1,2,4-Trichlorobenzene, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
2,4,5- Trichlorophenol, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
2,4,6- Trichlorophenol, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
N-Nitrosodimethylamine, Total, (ug/l)	--	--	--	--	--	--
1,2- Diphenylhydrazine, Total, (ug/l)	--	--	<5.0	<5.0	<25	<5.0
Dichlorodifluoromethane, Total, (ug/l)	--	--	--	--	--	--
Parachloro-Meta-Cresol, Total, (ug/l)	--	--	--	--	--	--

Mesa 5
Dobson Road south of Broadway

Mesa 5 - Broadway and Dobson						
Sampling Station Identification Number	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**
Date of Sampling	**08/03/1997**	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**	**04/01/1998**
Representative Storm Event	UA	N	Y	Y	N	N
Agency Collecting Sample	FCD	FCD	FCD	FCD	FCD	FCD
Agency Analyzing Sample	BOLIN	BOLIN	BOLIN	BOLIN	BOLIN	BOLIN
Drainage Area (acres) (DA)	63	63	63	63	63	63
Impervious Area (acres) (IA)	56	56	56	56	56	56
Land Use - Residential	0	0	0	0	0	0
Land Use - Commercial	100	100	100	100	100	100
Land Use - Industrial	0	0	0	0	0	0
Land Use - Undeveloped	0	0	0	0	0	0
Sampling Duration (minutes)	UA	474	269	356	479	480
Storm Duration (minutes) (DRN)	UA	786	336	319	284	85
Runoff Sampled (cubic feet) (RUN)	127,720	72,000	77,000	65,100	50,000	30,600
Total Storm Runoff (cubic feet)	UA	151,000	94,000	81,200	68,800	39,400
Instantaneous Discharge (cfs)	16.2	12.6	12.5	8.5	3.7	4.4
Preceeding Dry Period (days) (ANT)	122	25	5	4	9	5
Total Storm Rainfall (inch)	0.39	0.79	0.60	0.44	0.41	0.24
Rainfall Sampled (inch) (TRN)	0.39	0.63	0.52	0.44	0.41	0.24
Maximum 5-minute rain intensity (MAX5)	2.10	0.72	0.60	0.72	0.36	0.48
Sample Temperature (deg. C)	4	4	4	4	4	4
Effluent Temperature (deg. C)	NM	NM	NM	NM	55	NM
Ambient Temperature (deg. C)	NM	NM	NM	NM	NM	NM
Barometric Pressure (mm Hg)	NM	NM	NM	NM	NM	NM
pH, Effluent (standard units)	7.8	NM	NM	NM	8.0	NM
pH, Lab (standard units)	6.8	7.3	6.9	6.8	6	6.2
Specific Conductance, FIELD (us/cm)	--	--	--	--	--	--
Specific Conductance, LAB (us/cm)	--	--	--	--	--	--
Oxygen Dissolved (% saturation)	--	--	--	--	--	--
Oxygen Dissolved (mg/l)	7.12	8.6	9.3	8.7	8.4	8.6
Electrical Conductivity (umhos/cm)	161	--	55	--	--	--
BOD5 (mg/l)	79	<1.0	99	53	127	72

Mesa 5 - Broadway and Dobson						
Sampling Station Identification Number	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**
Date of Sampling	**08/03/1997**	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**	**04/01/1998**
COD High Level (mg/l)	265	<20	38	103	233	87
Chloride (mg/l as Cl)	19	<5.0	<5.0	<5.0	<5.0	<5.0
Cyanide Total (mg/l as Cn)	<0.01	--	<0.01	<0.1	<0.01	--
Fecal Coliform (CFU/100mL)	>160000	280	110	900	500	9,000
Fecal Streptococci (CFU/100mL)	90,000	24,000	2,400	1,600	900	16,000
Solids Residue at 180 Deg. C (TDS) (mg/l)	133	31	32	49	53	158
Residue, Total at 105 Deg. C (TSS) (mg/l)	80	39	37	134	39	51
Nitrogen No2 + No3, Total (mg/l as N)	1.2	0.44	0.4	0.4	0.5	0.4
TKN Nitrogen (mg/l as N)	5.0	<0.5	<1.0	<1.5	1.4	0.8
Nitrogen, Ammonia + Organic, Total (mg/l as N)	5.0	1.1	<1.0	<1.5	1.69	1.12
Nitrogen Nitrate Total (mg/l as N)	1.2	0.44	0.4	0.4	0.5	0.4
Nitrogen Nitrite Total (mg/l as N)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen Ammonia Total (mg/l as N)	2.1	1.1	<1.0	<1.5	1.69	1.12
Nitrogen Organic Total (mg/l as N)	2.9	<0.5	<0.5	<0.5	<0.5	<0.5
Phosphorous Total (mg/l as P)	1.4	0.24	0.24	0.4	0.4	0.4
Phosphorous Dissolved (mg/l as P)	0.39	0.25	0.17	0.3	0.28	0.2
Phosphorous Ortho (mg/l as P)	--	0.25	0.13	0.13	0.2	0.08
Sulfate Dissolved (mg/l)	14	5	<5.0	<5.0	7	<5.0
Hexavalent Chromium Total (mg/l)	<0.010	<0.010	0.02	<0.010	<0.010	<0.010
Phenols Total Recoverable (ug/l)	5.5	--	--	--	<5.0	--
Oil and Grease Total Recoverable (mg/l)	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Organic Carbon, Total (mg/l)	42.3	--	--	--	22	--
Bicarbonate Whole Field (mg/l as HCo3)	--	--	--	--	--	--
Bicarbonate Dissolved, Field (mg/l as HCo3)	--	--	--	--	--	--
Carbonate Water Field (mg/l as Co3)	--	--	--	--	--	--
Carbonate Water Dissolved, Field, (mg/l as Co3)	--	--	--	--	--	--
Alkalinity Water Field Total (mg/l as CaCo3)	--	--	--	--	--	--
Alkalinity Dissolved Water Field Total (mg/l as CaCo3)	--	--	--	--	--	--
Alkalinity LAB (mg/l as CaCo3)	26	16	18	23	22	19
Silica Dissolved (mg/l as SiO2)	--	--	--	--	--	--

Mesa 5 - Broadway and Dobson

Sampling Station Identification Number	MESA_5	MESA_5	MESA_5	MESA_5	MESA_5	MESA_5
Date of Sampling	08/03/1997	02/04/1998	02/15/1998	02/24/1998	03/26/1998	04/01/1998
Hardness (mg/l)	54	28	17	40	8	38
Antimony (ug/l as Sb)	<5	<5	6	<5	<5	<5
Antimony Dissolved (ug/l as Sb)	<4	<4	<4	<4	<4	<4
Arsenic Total (ug/l as As)	<5	<5	<5	<5	<5	<5
Arsenic Dissolved (ug/l as As)	<5	<5	<5	<5	<5	<5
Barium Dissolved (ug/l as Ba)	--	--	--	--	--	--
Beryllium Total Recoverable (ug/l as Be)	<2	<2	<2	<2	<2	<2
Beryllium Dissolved (ug/l as Be)	<2	<2	<2	<2	<2	<2
Cadmium Total Recoverable (ug/l as Cd)	1.3	0.33	0.3	0.97	0.67	0.64
Cadmium Dissolved (ug/l as Cd)	0.52	0.38	0.22	0.29	0.26	0.23
Calcium Dissolved (mg/l as Ca)	--	--	--	--	--	--
Chromium Total Recoverable (ug/l as Cr)	6.5	5	4.8	12	7.4	10
Chromium Dissolved (ug/l as Cr)	3.1	1.7	1	2.6	1.7	2.9
Cobalt Dissolved (ug/l as Co)	--	--	--	--	--	--
Copper, Total Recoverable, (ug/l as Cu)	38	16	10	24	26	<15
Copper, Dissolved, (ug/l as Cu)	21	7	6	6	<15	<15
Iron, Dissolved, (ug/l as Fe)	--	--	--	--	--	--
Lead, Total Recoverable, (ug/l as Pb)	16	9	8	22	14	117
Lead, Dissolved, (ug/l as Pb)	2	<5	<5	<5	<5	<5
Lithium, Dissolved, (ug/l as Li)	--	--	--	--	--	--
Magnesium, Dissolved, (mg/l as Mg)	--	--	--	--	--	--
Manganese, Dissolved, (ug/l as Mn)	--	--	--	--	--	--
Mercury, Total Recoverable, (ug/l as Hg)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Mercury, Dissolved, (ug/l as Hg)	<0.2	0.3	<0.2	<0.2	<0.2	<0.2
Molybdenum, Dissolved, (ug/l as Mo)	--	--	--	--	--	--
Nickel, Total Recoverable, (ug/l as Ni)	<10	<8	3.1	7.7	6.7	6.6
Nickel, Dissolved, (ug/l as Ni)	<20	<10	<2	3.6	2.7	<2
Potassium, Dissolved, (mg/l as K)	--	--	--	--	--	--
Selenium, Total, (ug/l as Se)	<5	<5	<5	<5	<5	<5
Selenium, Dissolved, (ug/l as Se)	<5	<5	<5	<5	<5	<5

Mesa 5 - Broadway and Dobson						
Sampling Station Identification Number	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**
Date of Sampling	**08/03/1997**	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**	**04/01/1998**
Silver, Total Recoverable, (ug/l as Ag)	<50	<50	<50	<50	<50	<50
Silver, Dissolved, (ug/l as Ag)	<50	<50	<50	<50	<50	<50
Sodium, Dissolved, (mg/l as Na)	--	--	--	--	--	--
Strontium, Dissolved, (ug/l as Sr)	--	--	--	--	--	--
Thallium, Total, (ug/l as Tl)	<1	<1	<1	<1	<1	<1
Thallium, Dissolved, (ug/l as Tl)	<1	<1	<1	<1	<1	<1
Vanadium, Dissolved, (ug/l as V)	--	--	--	--	--	--
Zinc, Total Recoverable, (ug/l as Zn)	282	110	80	160	180	130
Zinc, Dissolved, (ug/l as Zn)	212	70	30	50	70	40
Diazinon, Total, (ug/l)	--	--	--	--	--	--
Ethion, Total, (ug/l)	--	--	--	--	--	--
Malathion, Total, (ug/l)	--	--	--	--	--	--
Methyl Parathion, Total, (ug/l)	--	--	--	--	--	--
Parathion, Total, (ug/l)	--	--	--	--	--	--
Trithion, Total, (ug/l)	--	--	--	--	--	--
Di-syston, Total, (ug/l)	--	--	--	--	--	--
Phorate, Total, (ug/l)	--	--	--	--	--	--
Chlorpyrifos, Total, (ug/l)	--	--	--	--	--	--
DEF, Total, (ug/l)	--	--	--	--	--	--
Fonofos(Dy-fonate), WWT, (ug/l)	--	--	--	--	--	--
Aldrin, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
BHC - ALPHA, (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
BHC - Gamma (Lindane), (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
BHC - DELTA, (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
Aroclor 1016, PCB, Total, (ug/l)	<0.5	--	<1.0	<1.0	<1.0	--
Aroclor 1221, PCB, Total, (ug/l)	<0.5	--	<10	<10	<1.0	--
Aroclor 1232, PCB, Total, (ug/l)	<0.5	--	<1.0	<1.0	<1.0	--
Aroclor 1242, PCB, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.50	--
Aroclor 1248, PCB, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.50	--
Aroclor 1254, PCB, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.50	--

Mesa 5 - Broadway and Dobson

Sampling Station Identification Number	MESA_5	MESA_5	MESA_5	MESA_5	MESA_5	MESA_5
Date of Sampling	08/03/1997	02/04/1998	02/15/1998	02/24/1998	03/26/1998	04/01/1998
Aroclor 1260, PCB, Total, (ug/L)	<0.5	--	<1.0	<1.0	<0.60	--
Chlordane, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
P,P' DDD, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
P,P' DDE, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
P, P' DDT, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
Dieldrin, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
Endo-Sulfan Alpha, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
Endo-Sulfan Beta, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
Endo-Sulfan Sulfate, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
Endrin Aldehyde, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
Endrin, Total, (ug/l)	<0.1	--	<1.0	<1.0	<0.050	--
Heptachlor, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
Heptachlor Epoxide, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
Toxaphene, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.50	--
Methoxychlor, Total, (ug/l)	<0.5	--	--	--	--	--
Beta Benzene Hexachloride, Total, (ug/l)	<0.5	--	<1.0	<1.0	<0.050	--
1,1,2,2-Tetrachloroethane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
1,1,1,2-Tetrachloroethane, Total,(ug/l)	--	--	--	--	--	--
Tetrachloroethene, PCE, Total, (ug/l)	<40	<40	<40	<40	<40	<40
1,1,1- Trichloroethane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
1,1,2- Trichloroethane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Trichloroethene, Total, (ug/l)	<40	<40	<40	<40	<40	<40
1,1- Dichloroethane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
1,1- Dichloroethene, Total, (ug/l)	<40	<40	<40	<40	<40	<40
1,2- Dichloroethane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
1,2- Dichloropropane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
2- Chloroethylvinyl Ether, Total, (ug/l)	<40	<40	<40	<40	<40	<40
cis-1,3-Dichloropropene, (ug/l)	<40	<40	<40	<40	<40	<40
trans-1,2- Dichloroethene, (ug/l)	<40	<40	<40	<40	<40	<40
trans-1,3- Dichloropropene, (ug/l)	<40	<40	<40	<40	<40	<40

Mesa 5 - Broadway and Dobson						
Sampling Station Identification Number	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**
Date of Sampling	**08/03/1997**	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**	**04/01/1998**
Benzene, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Bromodichloromethane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Bromoform, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Carbon Tetrachloride, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Chlorobenzene, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Chloroethane, (ug/l)	<100	<100	<100	<100	<40	<40
Chloroform, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Ethyl-Benzene, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Methylene Chloride, Total, (ug/l)	--	--	--	--	<40	<40
Toluene, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Trichlorofluoromethane, Total, (ug/l)	<100	<100	<100	<100	<100	<100
Vinyl Chloride, Total, (ug/l)	<100	<100	<100	<100	<100	<100
Chlorodibromomethane, Total, (ug/l)	<40	<40	<40	<40	<40	<40
4- Methyl, 2- Pentanone, (MIBK), Total, (ug/L)	--	--	--	--	--	--
Acetone, Total, (ug/l)	<200	--	<500	<500	<500	<500
2-Butanone, (ug/l)	--	--	<200	<200	<200	<200
Carbon Disulfide, Total, (ug/l)	--	--	<200	<200	<200	<200
1,2 Dichloroethene, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Xylenes, Total, (ug/l)	--	--	<20	<20	<40	<40
2-Hexanone, Total, (ug/l)	--	--	<200	<200	<200	<200
Styrene, Total, (ug/l)	--	--	<40	<40	<40	<40
Acrolein, Total, (ug/l)	--	--	<1000	<1000	<1000	<1000
Acrylonitirile, Total, (ug/l)	--	--	<200	<200	<200	<200
Bromobenzene, Water Whole, Total, (ug/l)	--	--	--	--	--	--
1,3-Dichloropropane, Water Whole, Total, (ug/l)	<40	<40	<40	<40	<40	<40
Methyl Bromide, Total, (ug/l)	<100	<100	<100	<100	<100	<100
Methyl Chloride, Total, (ug/l)	<100	<100	<100	<100	<100	<100
Parachloro Toluene, Total, (ug/l)	--	--	--	--	--	--
Dibromoethane, Total, (ug/l)	--	--	--	--	--	--
Acenaphthene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--

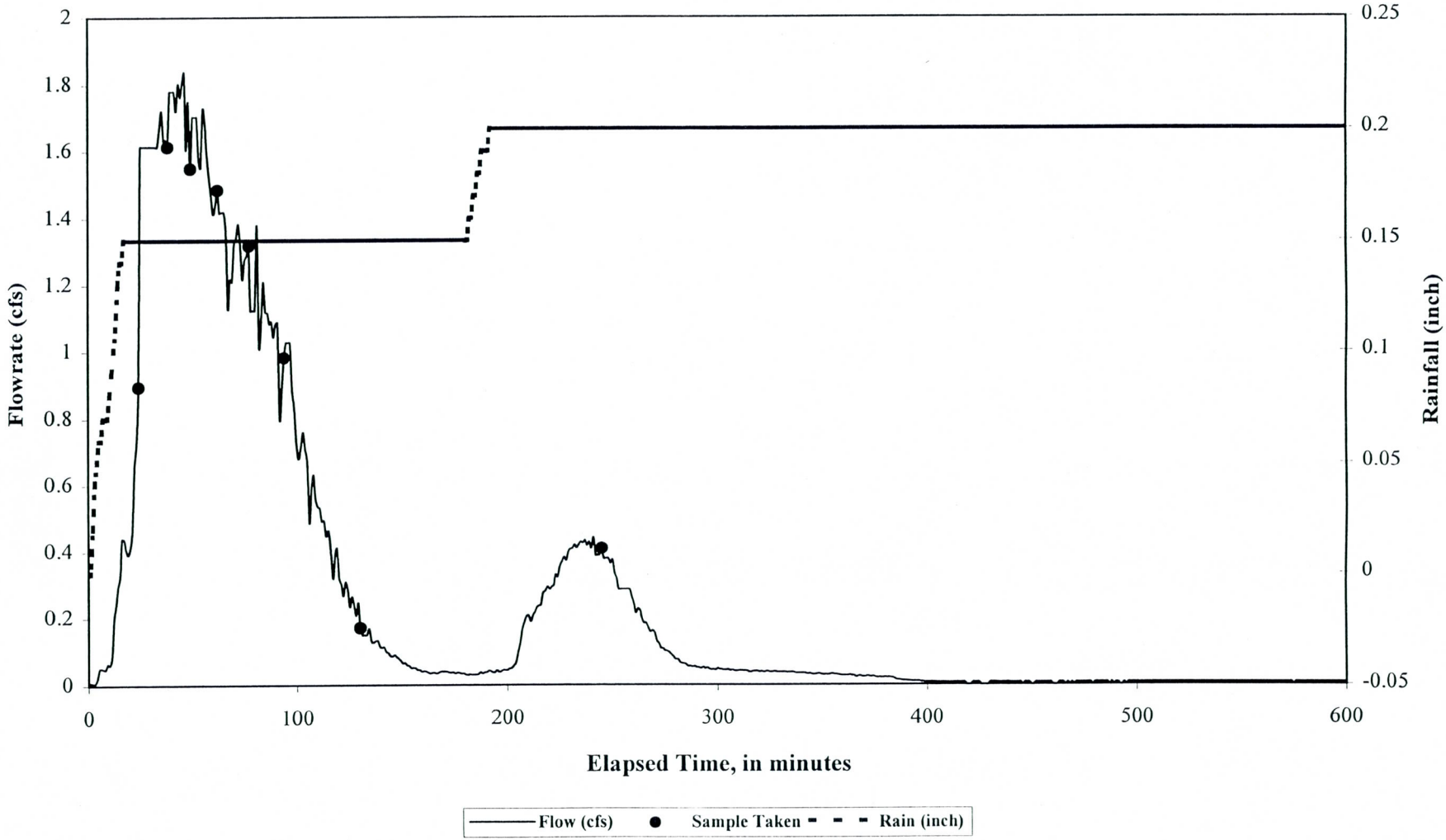
Mesa 5 - Broadway and Dobson						
Sampling Station Identification Number	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**
Date of Sampling	**08/03/1997**	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**	**04/01/1998**
Acenaphthylene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Anthracene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Benzidine, Total, (ug/l)	<50	--	<5.0	<5.0	<5.0	--
Benzoic Acid, Total, (ug/l)	<5.0	--	<5.0	<5.0	<5.0	--
Benzo (a) Anthracene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Benzo (b) Fluoranthene, Total, (ug/l)	<5.0	--	<5.0	<5.0	<5.0	--
Benzo (k) Fluoranthene, Total, (ug/l)	<5.0	--	<5.0	<5.0	<5.0	--
Benzo (ghi) Perylene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Benzo (a) Pyrene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Benzyl Alcohol, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Bis-(2-Chloroethoxy)-Methane, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Bis-(2-Chloroethyl)-Ether, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Bis-(2-Chloroisopropyl)-Ether, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Bis(2-Ethyl Hexyl) Phthalate, Total, (ug/l)	160	--	170	170	260	--
4-Bromo-Phenyl Phenyl Ether, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Butyl Benzyl Phthalate, Total, (ug/l)	<5.0	--	<5.0	<5.0	<5.0	--
2-Chloronapthalene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
2-Chlorophenol, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
4-Chloro-Phenyl Phenyl Ether, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Chrysene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Dibenzo-[a,h]-Anthracene, Total, (ug/l)	<5.0	--	<5.0	<5.0	<5.0	--
Di-N-Butyl Phthalate, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
1,3- Dichlorobenzene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
1,4- Dichlorobenzene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
1,2- Dichlorobenzene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
3,3'- Dichlorobenzidine, Total, (ug/l)	<5.0	--	<5.0	<5.0	<5.0	--
2,4- Dichlorophenol, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Diethyl Phthalate, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
2,4- Dimethylphenol, Total, (ug/l)	<5.0	--	<5.0	<5.0	<5.0	--
Dimethyl Phthalate, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--

Mesa 5 - Broadway and Dobson						
Sampling Station Identification Number	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**	**MESA_5**
Date of Sampling	**08/03/1997**	**02/04/1998**	**02/15/1998**	**02/24/1998**	**03/26/1998**	**04/01/1998**
2-Methyl-4,6-Dinitrophenol, Total, (ug/l)	<5.0	--	<5.0	<5.0	<5.0	--
2,4- Dinitrophenol, Total, (ug/l)	<10	--	<5.0	<5.0	<5.0	--
2,4- Dinitrotoluene, Total, (ug/l)	<5.0	--	<5.0	<5.0	<5.0	--
2,6- Dinitrotoluene, Total, (ug/l)	<5.0	--	<5.0	<5.0	<5.0	--
Di-N-Octyl-Phthalate, Total, (ug/l)	5.2	--	<5.0	<5.0	<5.0	--
Fluoranthene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Fluorene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Hexachlorobenzene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Hexachlorobutadiene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Hexachlorocyclopentadiene, Total, (ug/l)	<10	--	<5.0	<5.0	<5.0	--
Hexachloroethane, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Indeno (1,2,3-CD) Pyrene, Total, (ug/l)	<5.0	--	<5.0	<5.0	<5.0	--
Isophorone, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Naphthalene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Nitrobenzene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
2-Nitrophenol, Total, (ug/l)	<5.0	--	<5.0	<5.0	<5.0	--
4-Nitrophenol, Total, (ug/l)	<5.0	--	<5.0	<5.0	<5.0	--
N-Nitrosodiphenylamine, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
N-Nitrosodi-N-Propylamine, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Pentachlorophenol, Total, (ug/l)	27	--	<5.0	<5.0	<5.0	--
Phenanthrene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Phenol, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
Pyrene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
1,2,4-Trichlorobenzene, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
2,4,5- Trichlorophenol, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
2,4,6- Trichlorophenol, Total, (ug/l)	<3.0	--	<5.0	<5.0	<5.0	--
N-Nitrosodimethylamine, Total, (ug/l)	--	--	--	--	--	--
1,2- Diphenylhydrazine, Total, (ug/l)	--	--	<5.0	<5.0	<5.0	--
Dichlorodifluoromethane, Total, (ug/l)	--	--	--	--	--	--
Parachloro-Meta-Cresol, Total, (ug/l)	--	--	--	--	--	--

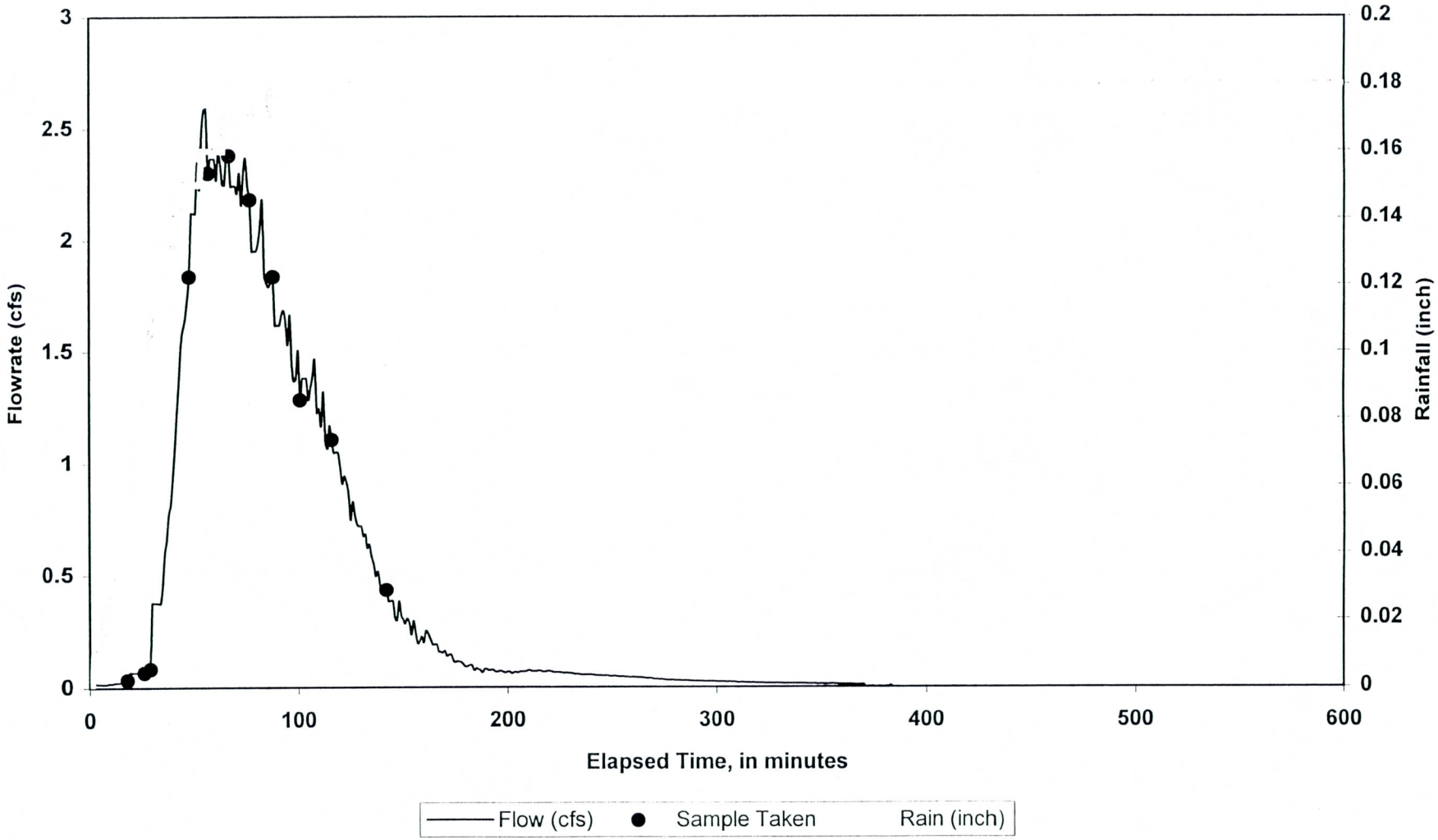
STORM HYDROGRAPHS

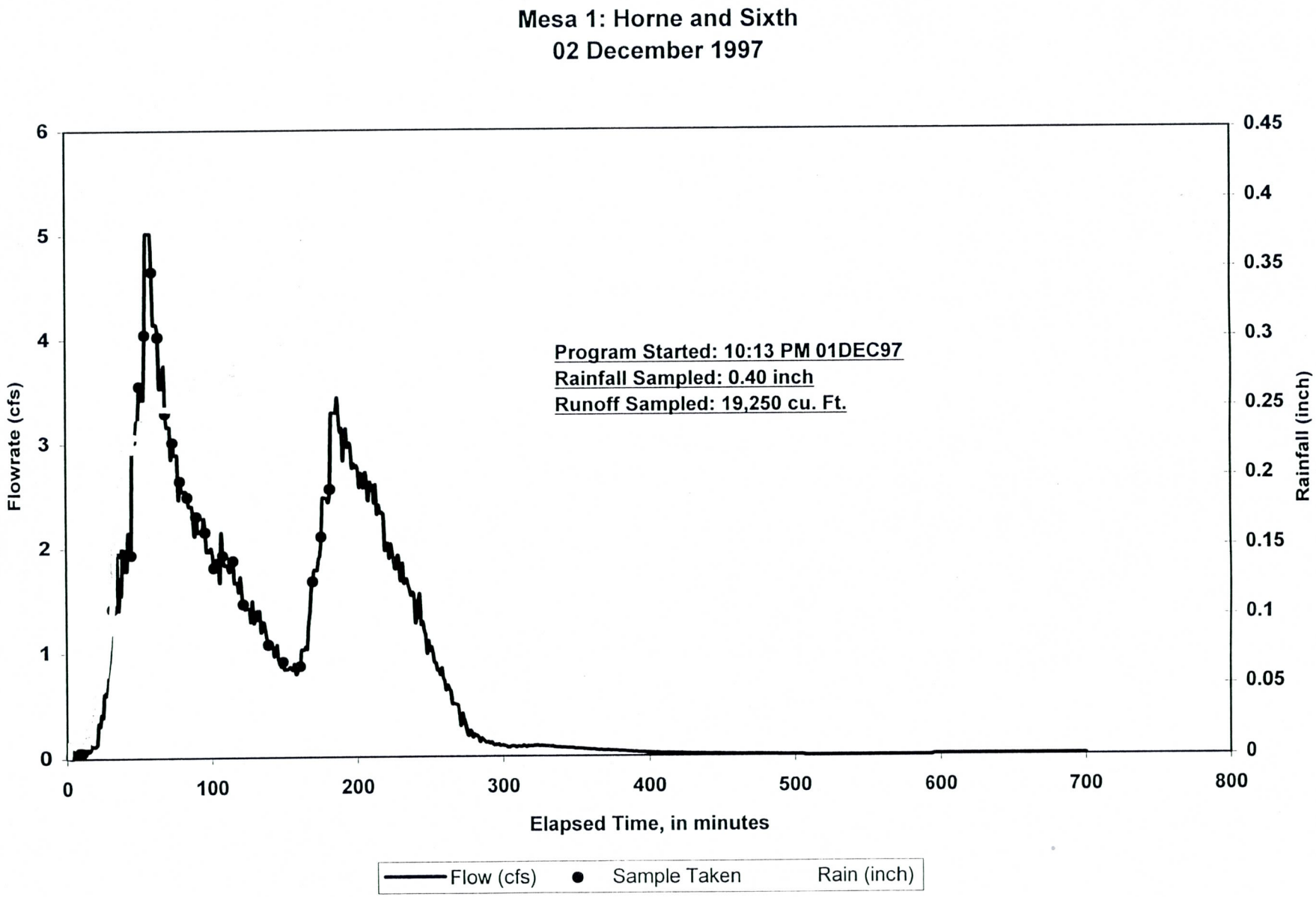
Mesa 1
Horne and Sixth Street

Mesa 1: Horne and Sixth Street
26 August 1997

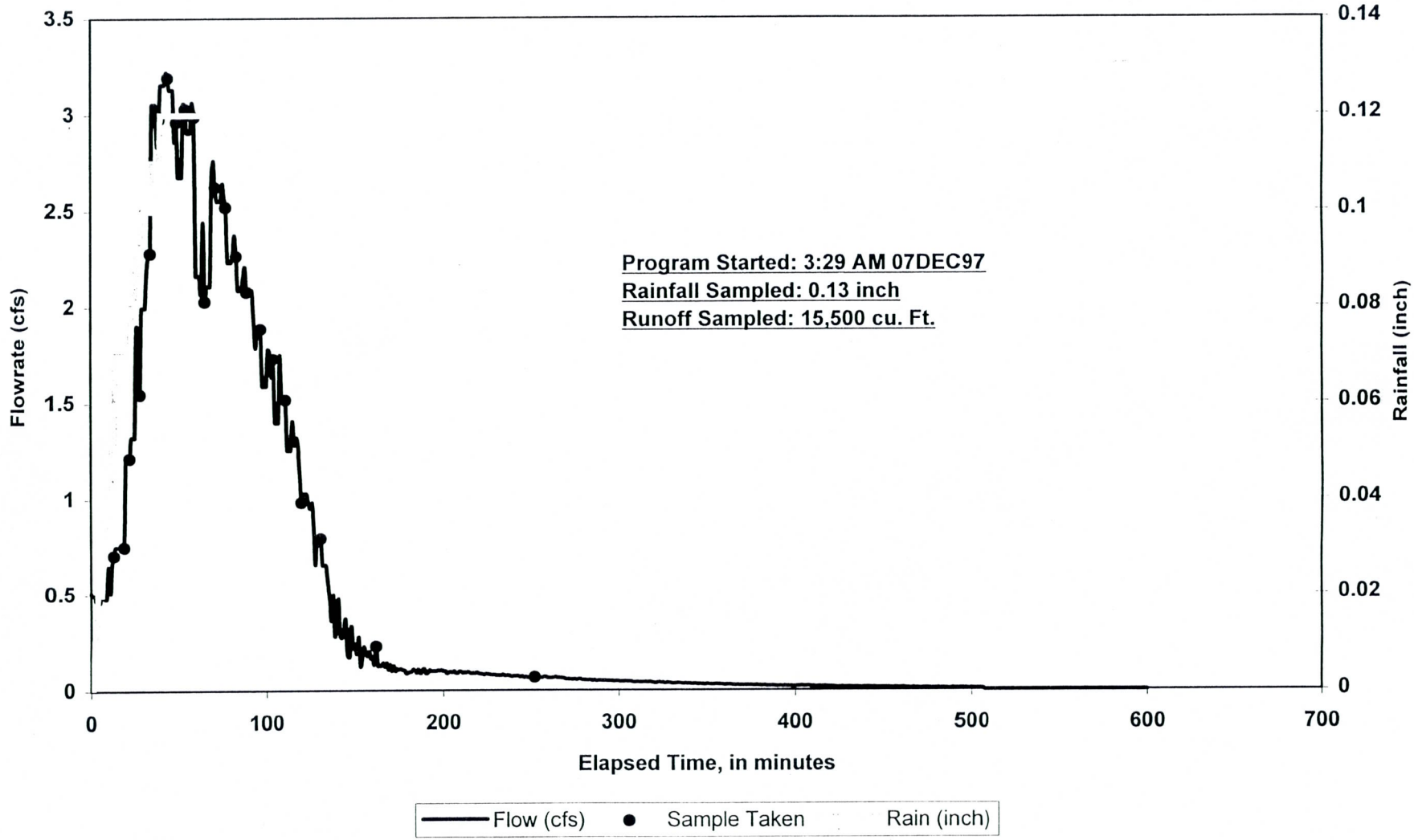


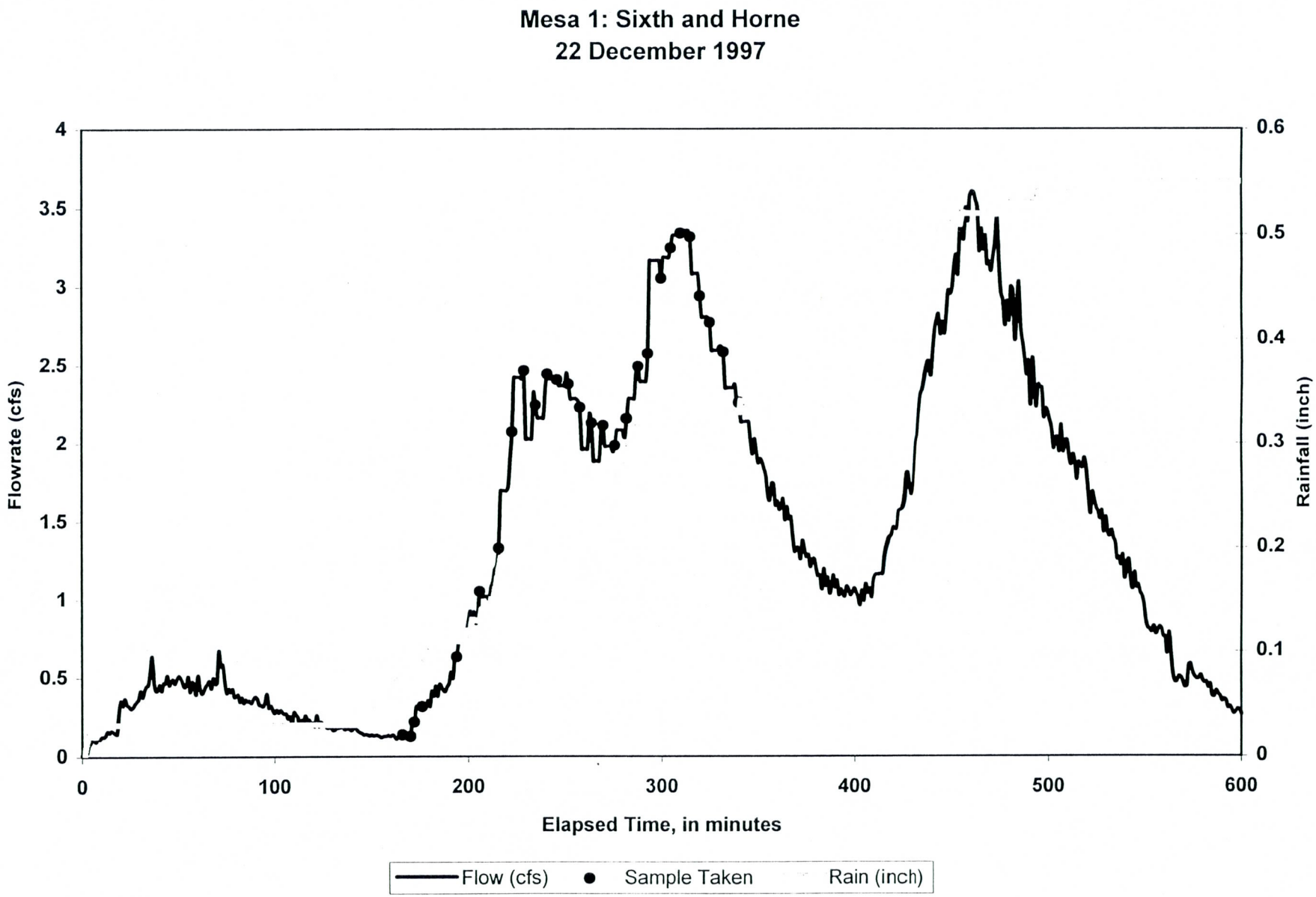
Mesa 1: Horne and Sixth Street
31 August 1997



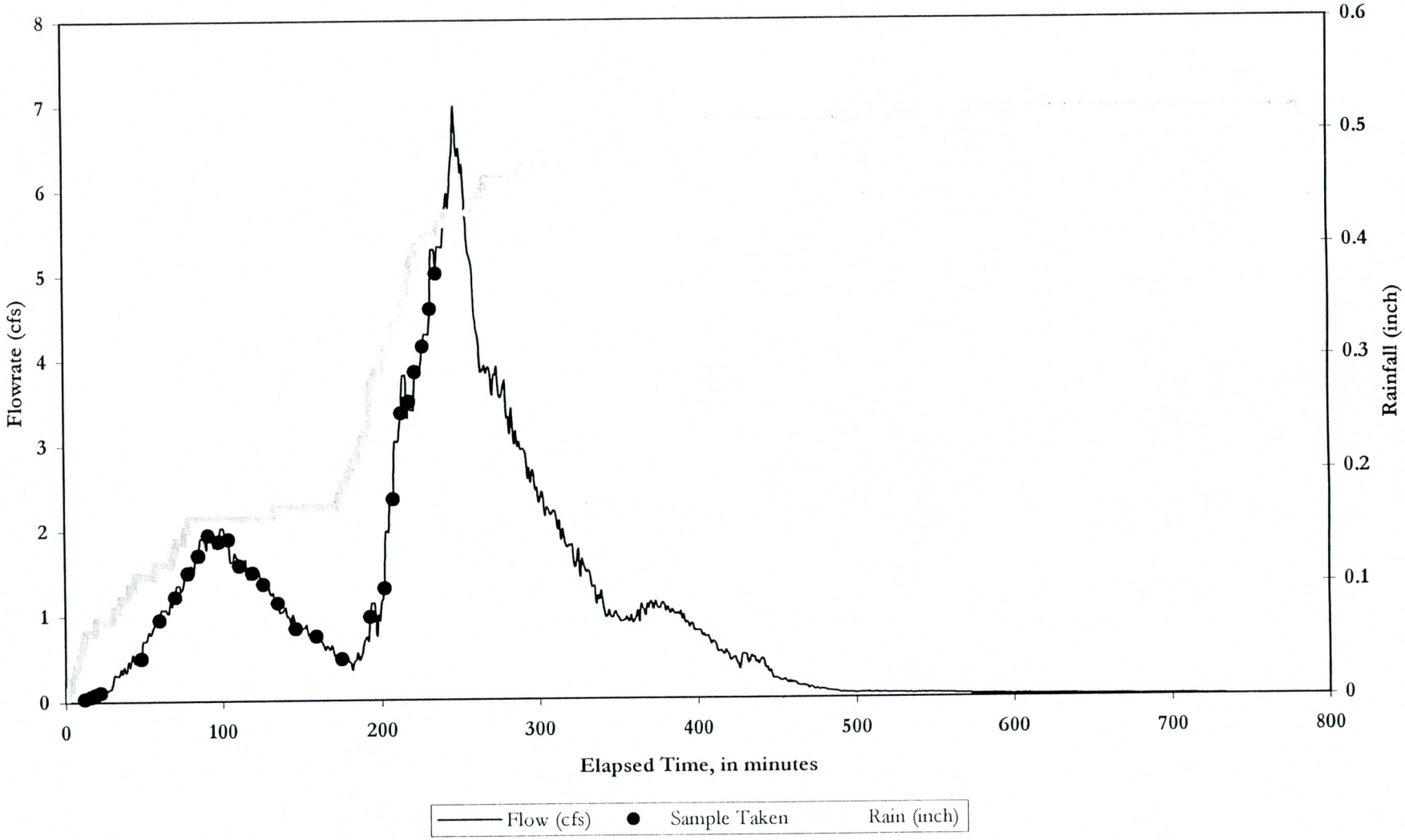

Mesa 1: Horne and Sixth
02 December 1997
Program Started: 10:13 PM 01DEC97
Rainfall Sampled: 0.40 inch
Runoff Sampled: 19,250 cu. Ft.
Flowrate (cfs)
Rainfall (inch)
Elapsed Time, in minutes
0
1
2
3
4
5
6
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0
100
200
300
400
500
600
700
800
Flow (cfs)
Sample Taken
Rain (inch)

Mesa 1: Horne and Sixth
07 December 1997

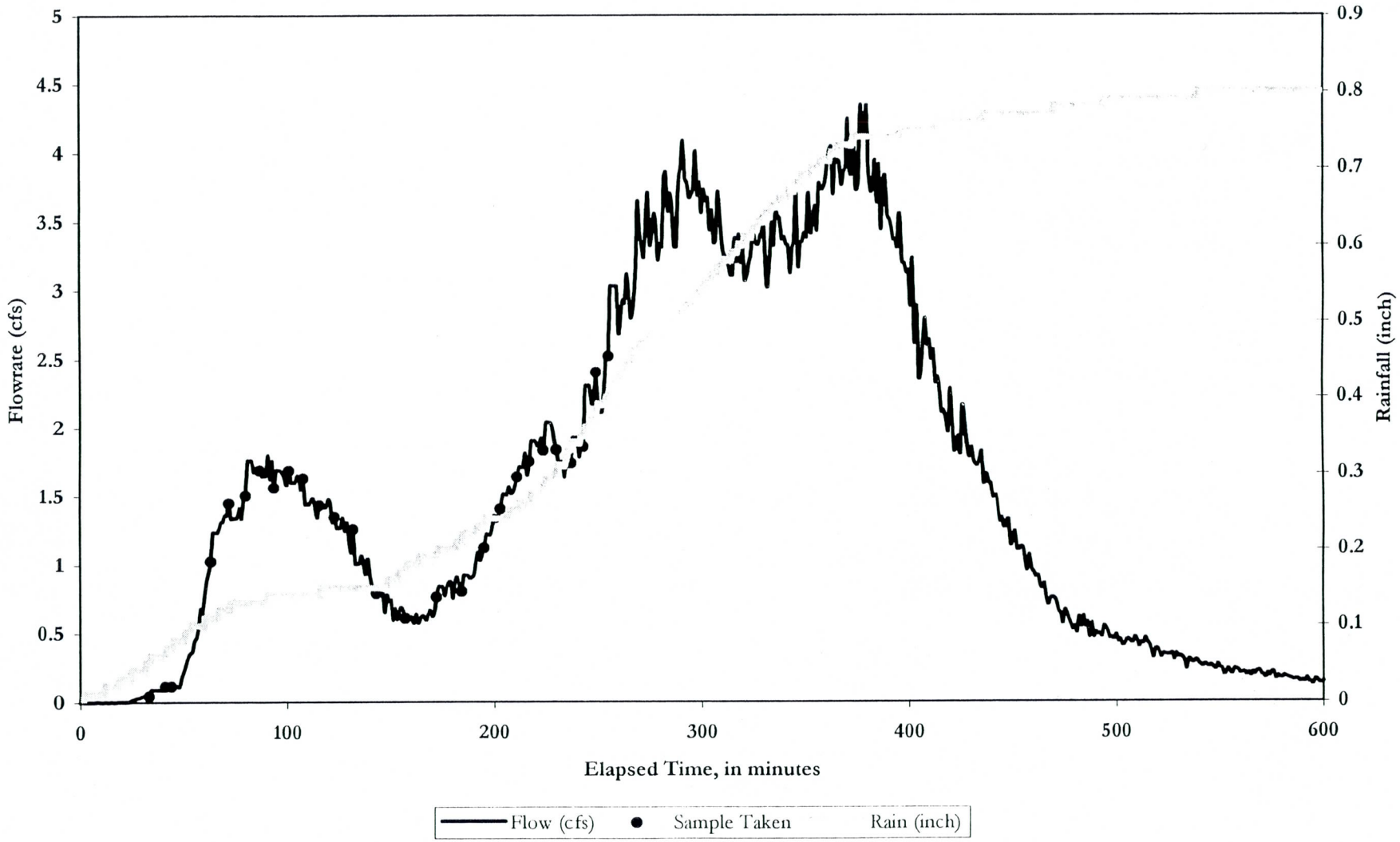



Mesa 1: Sixth and Horne
22 December 1997
Flowrate (cfs)
Rainfall (inch)
Elapsed Time, in minutes
0
0.5
1
1.5
2
2.5
3
3.5
4
0
0.1
0.2
0.3
0.4
0.5
0.6
0
100
200
300
400
500
600
Flow (cfs)
Sample Taken
Rain (inch)

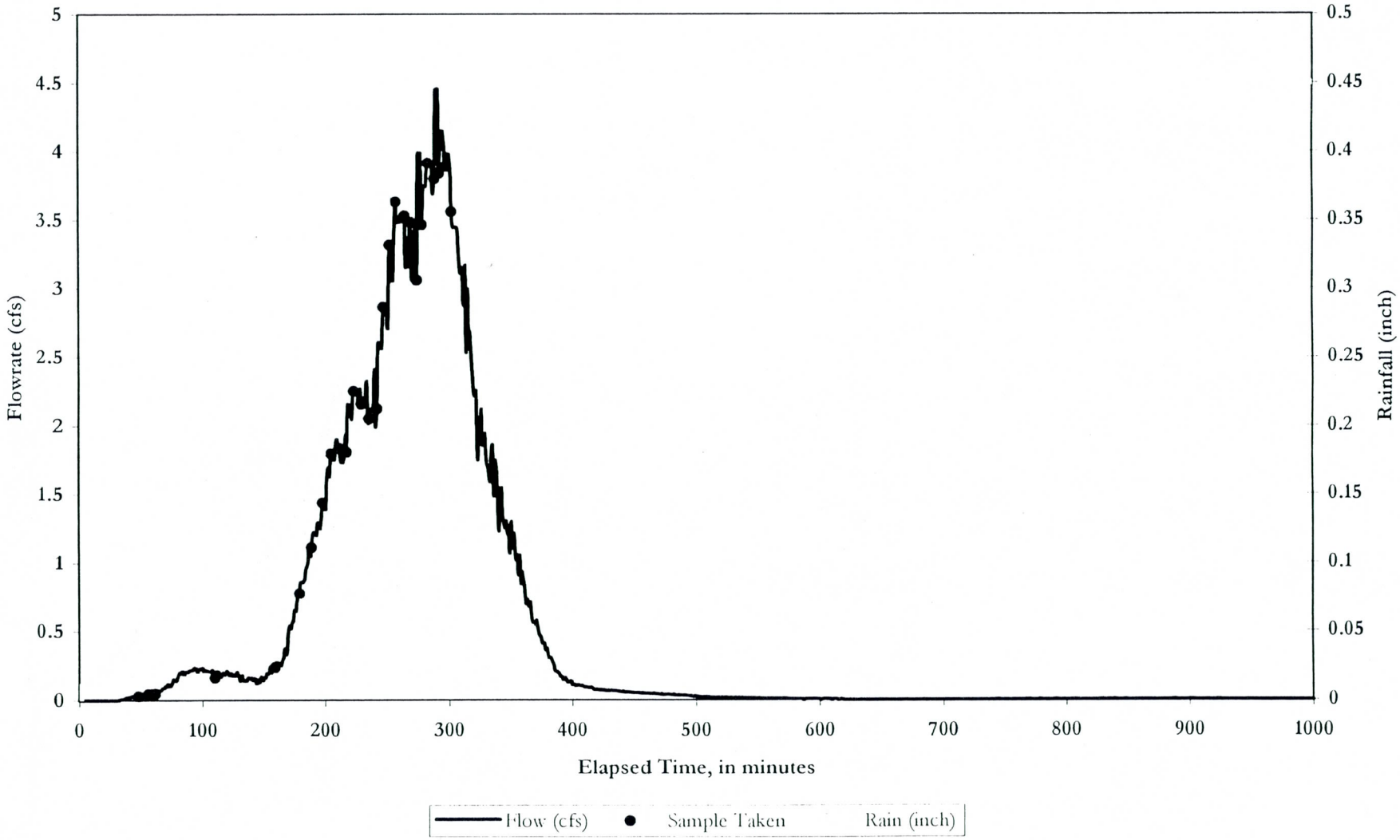
Mesa 1: Horne and Sixth
10 January 1998



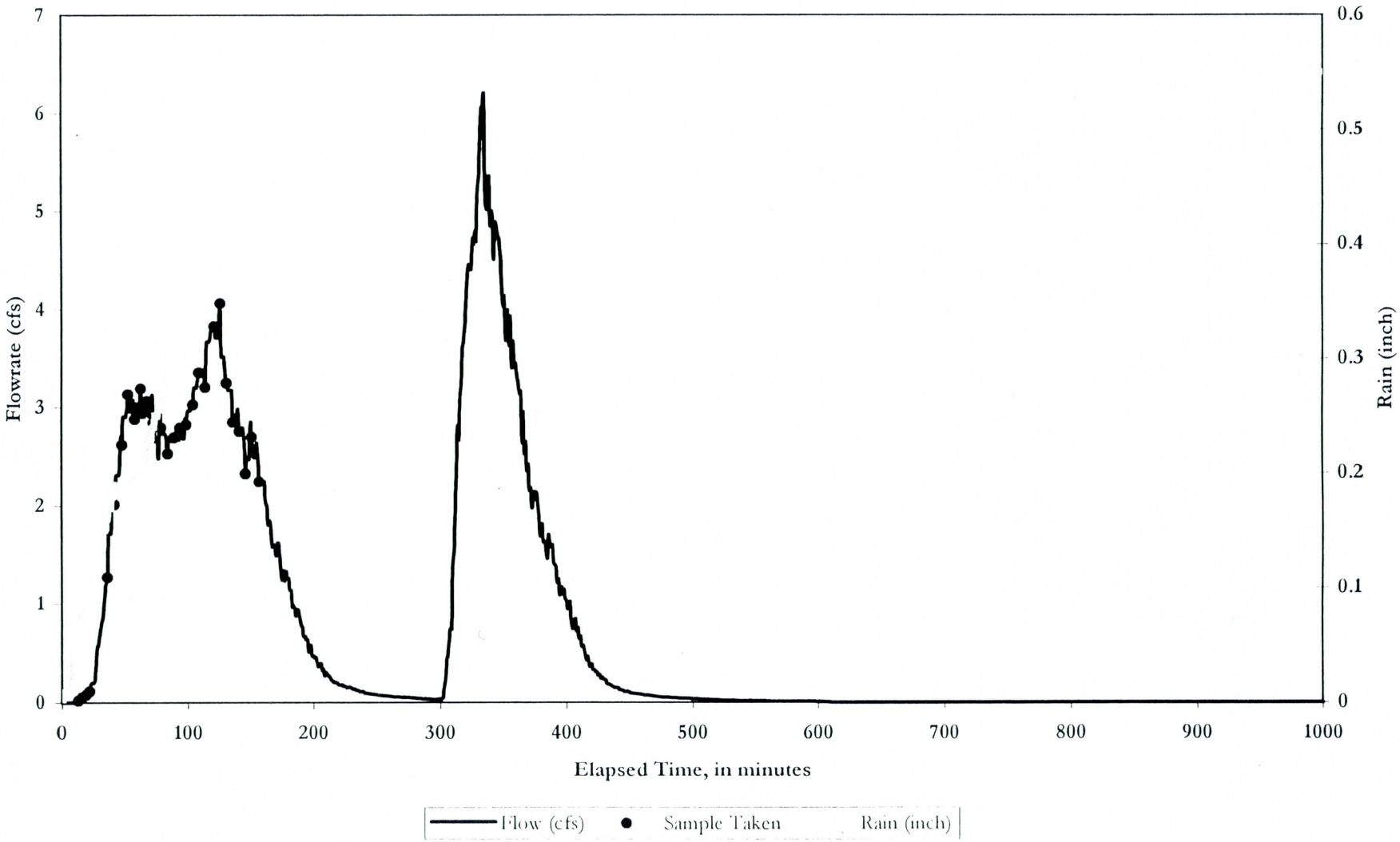
Mesa 1: Horne and Sixth Street
04 February 1998



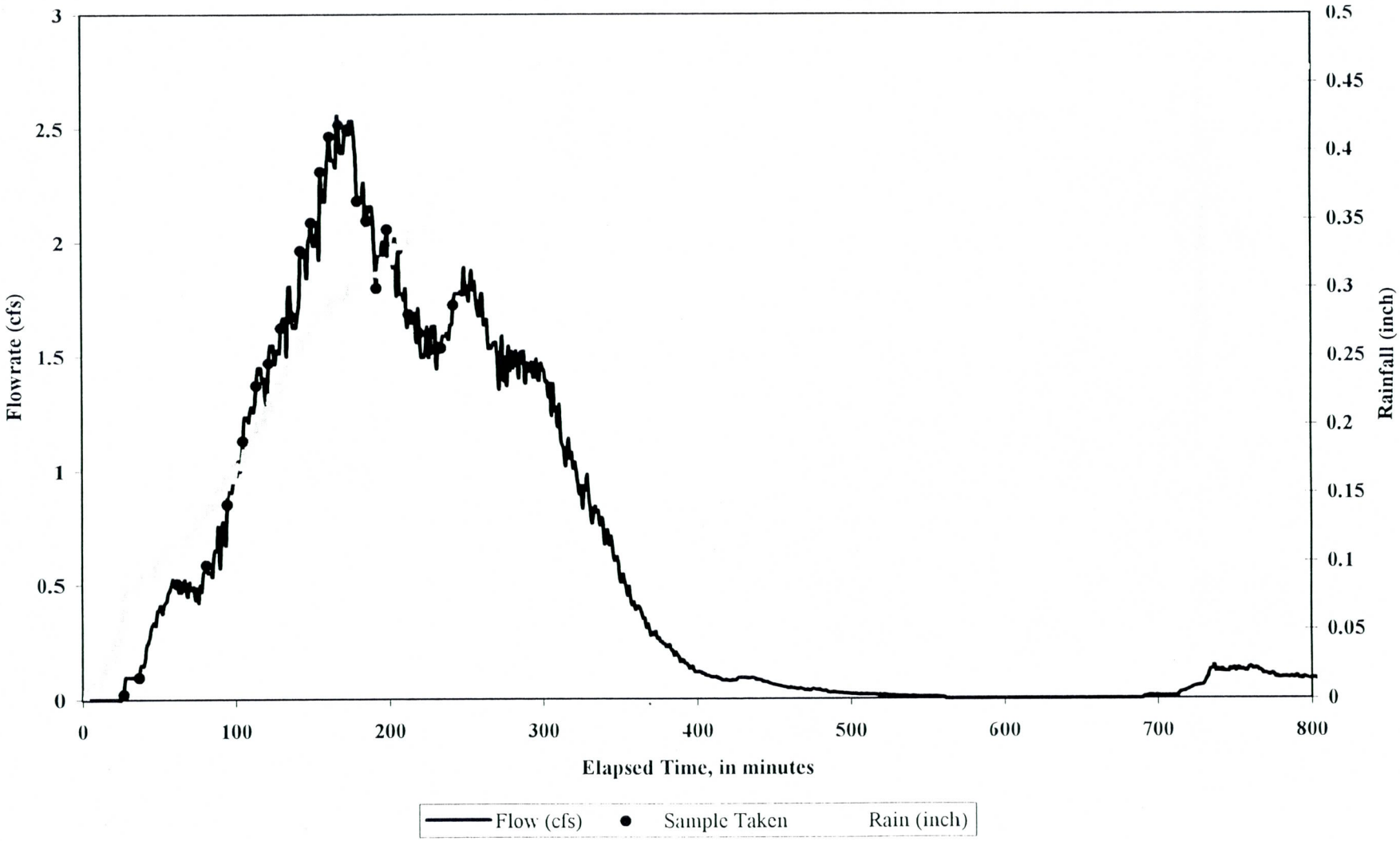
Mesa 1: Horne and Sixth
15 February 1998

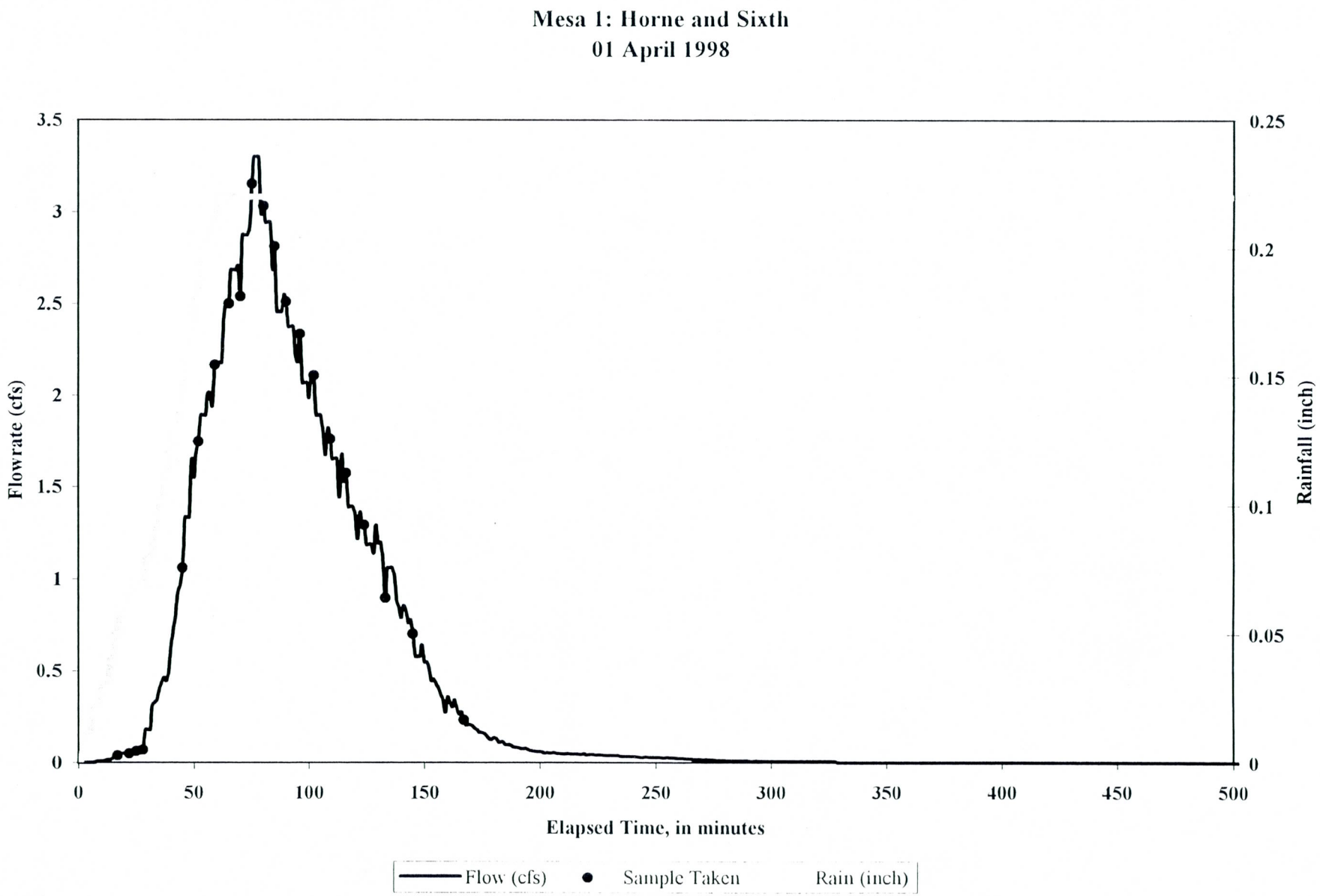


Mesa 1: Sixth and Horne
24 February 1998



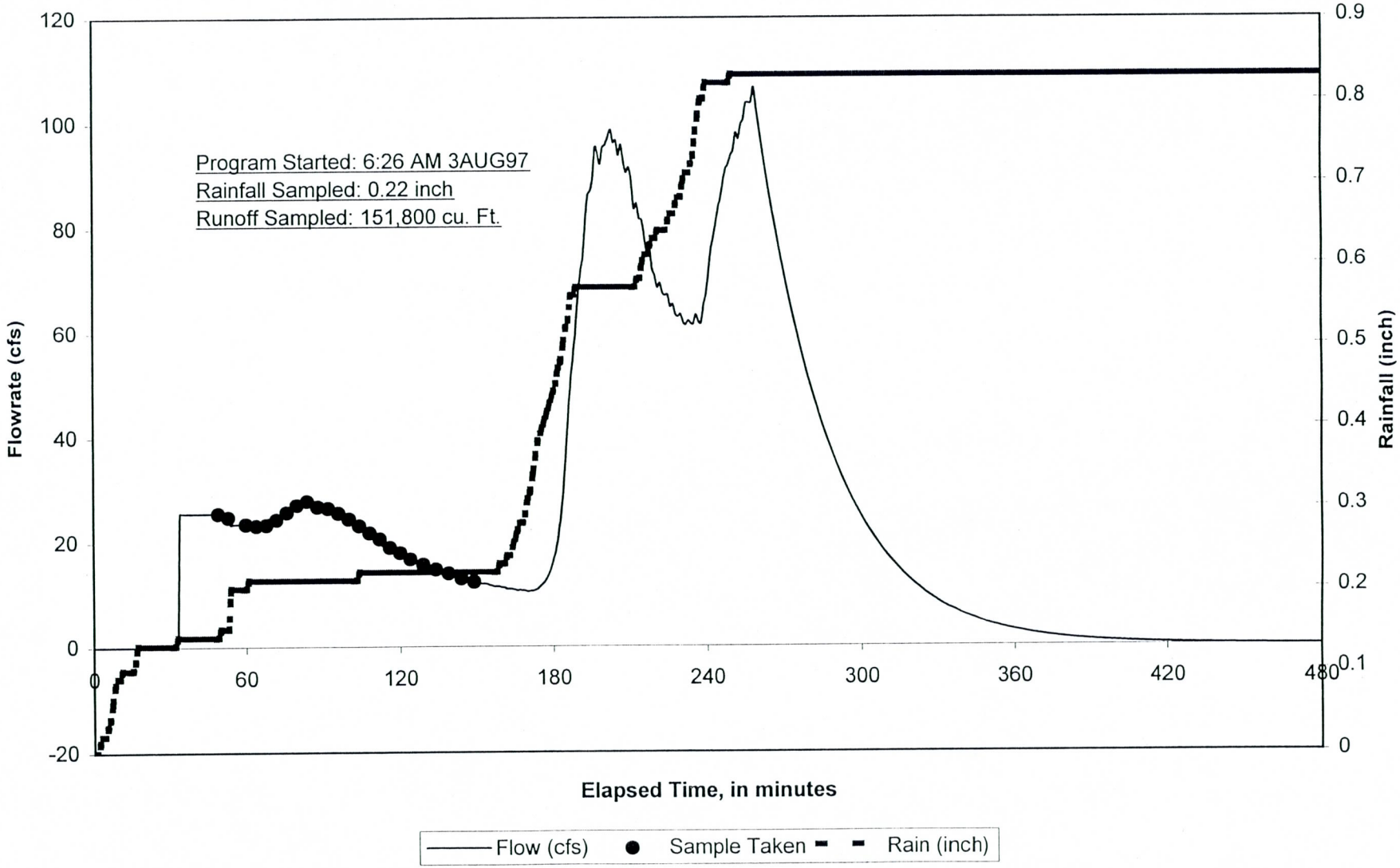
Mesa 1: Horne and Sixth
26 March 1998



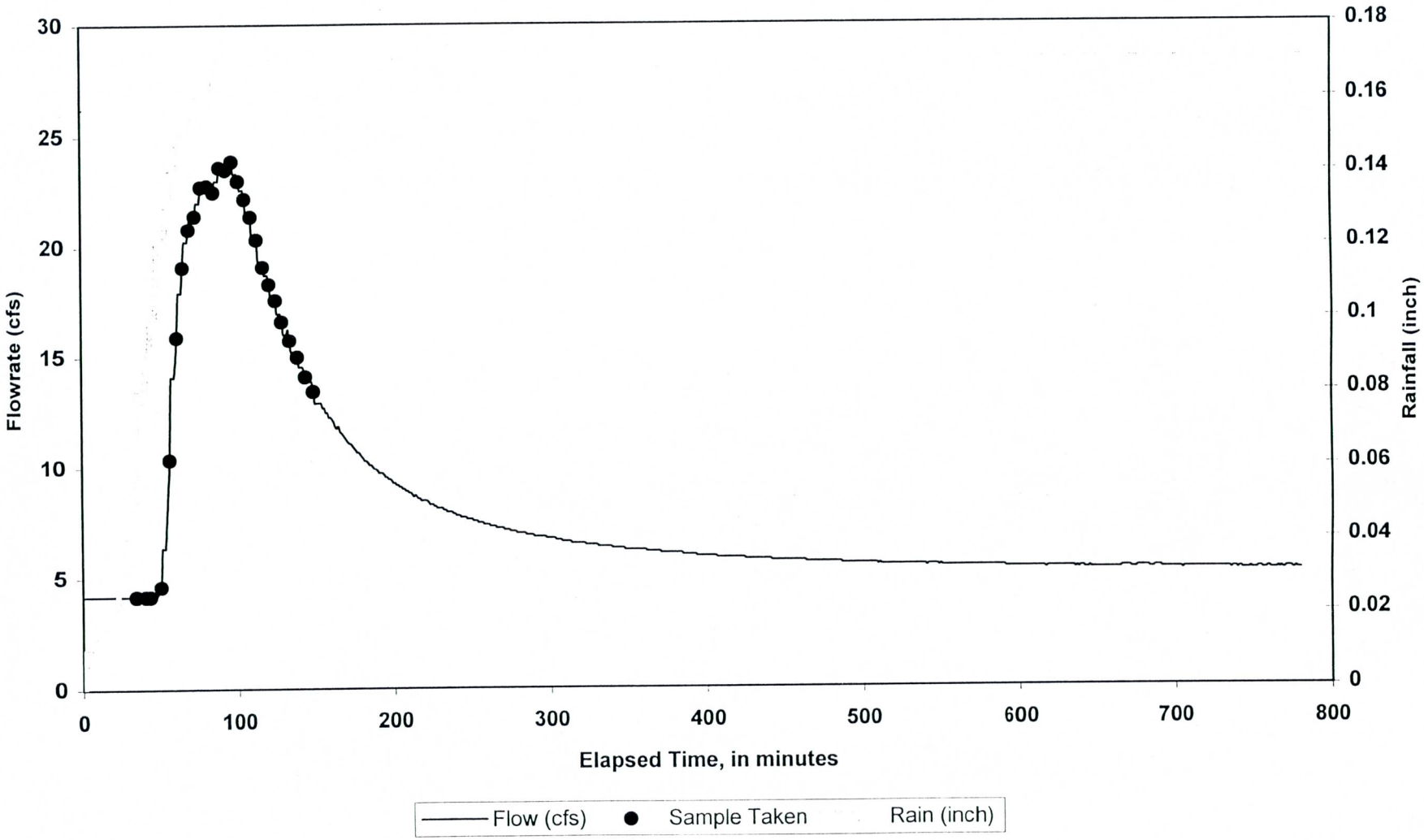

Mesa 1: Horne and Sixth
01 April 1998
Flowrate (cfs)
Rainfall (inch)
Elapsed Time, in minutes
3.5
3
2.5
2
1.5
1
0.5
0
0.25
0.2
0.15
0.1
0.05
0
0
50
100
150
200
250
300
350
400
450
500
Flow (cfs)
Sample Taken
Rain (inch)

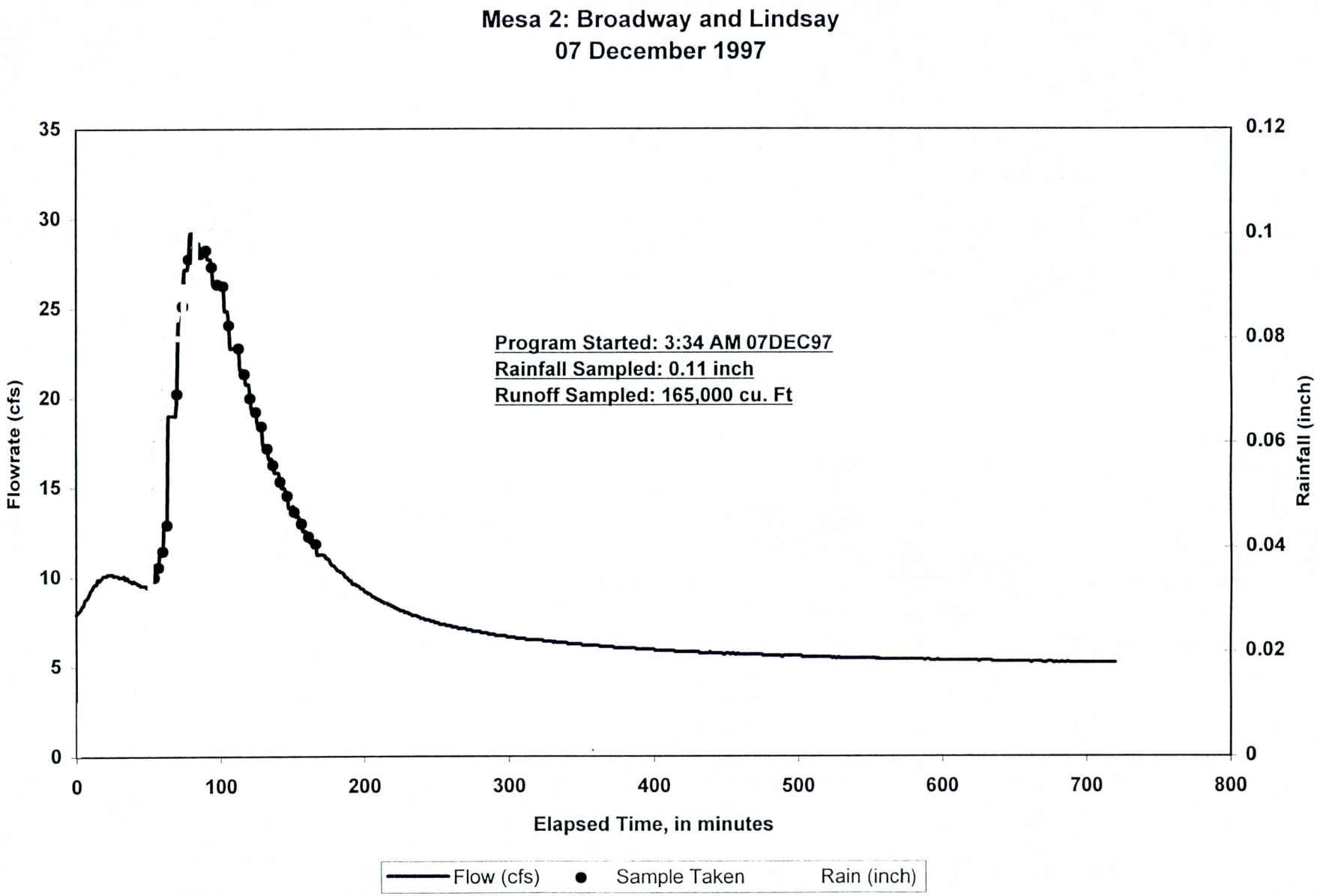
Mesa 2
Broadway Road west of Lindsay

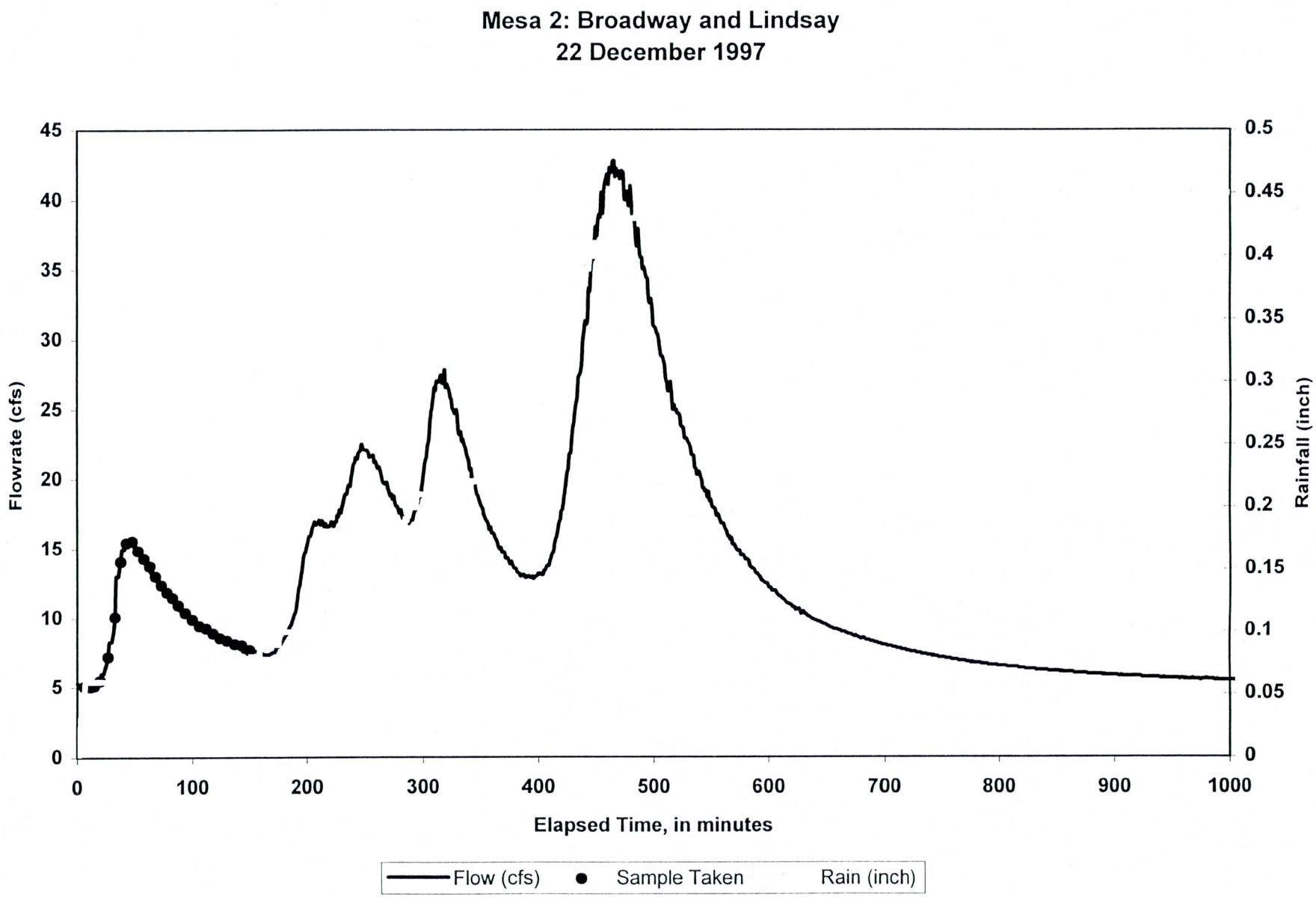
Mesa 2: Broadway and Lindsay 3 August 1997



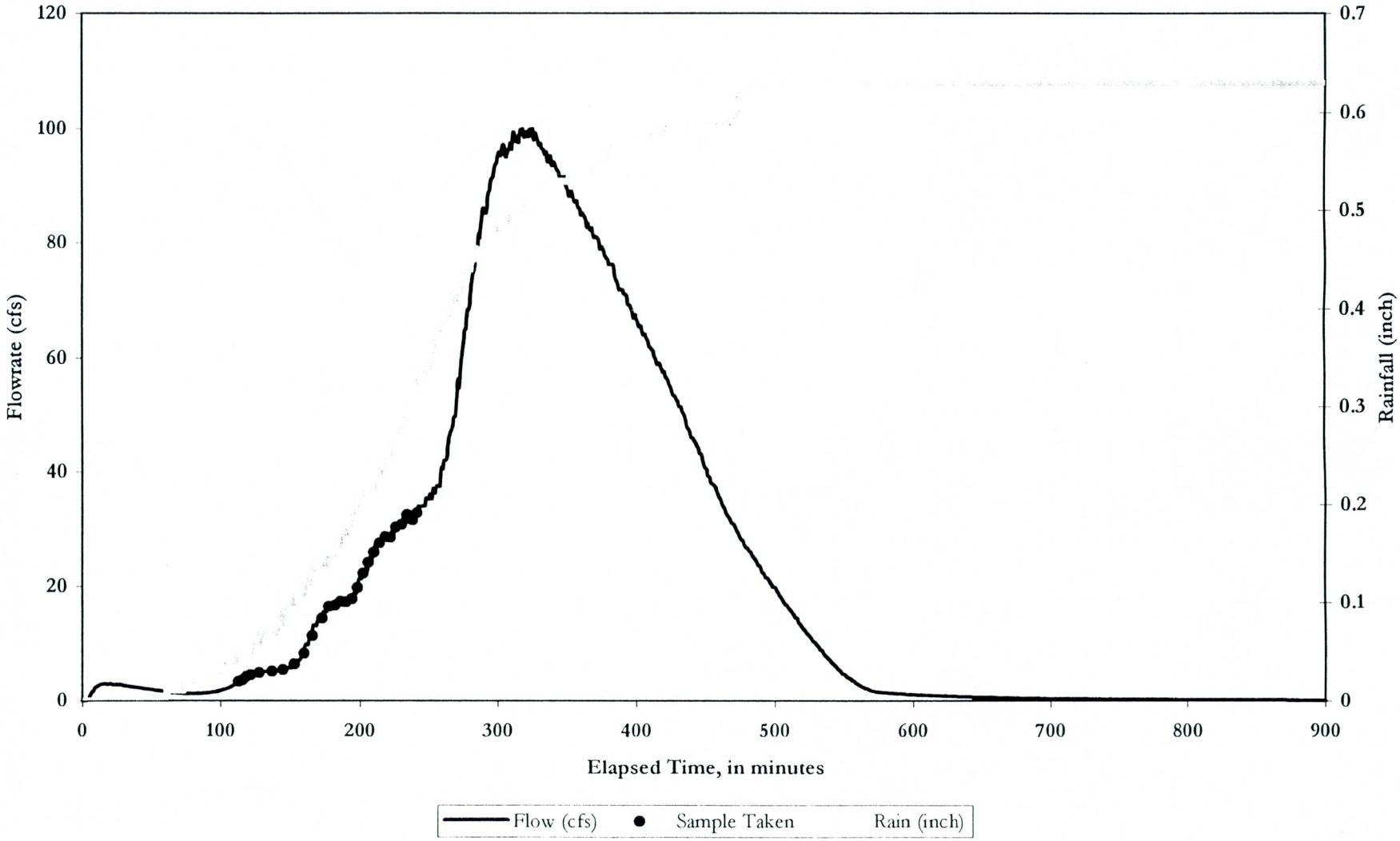
Mesa 2: Broadway and Lindsay
31 August 1997



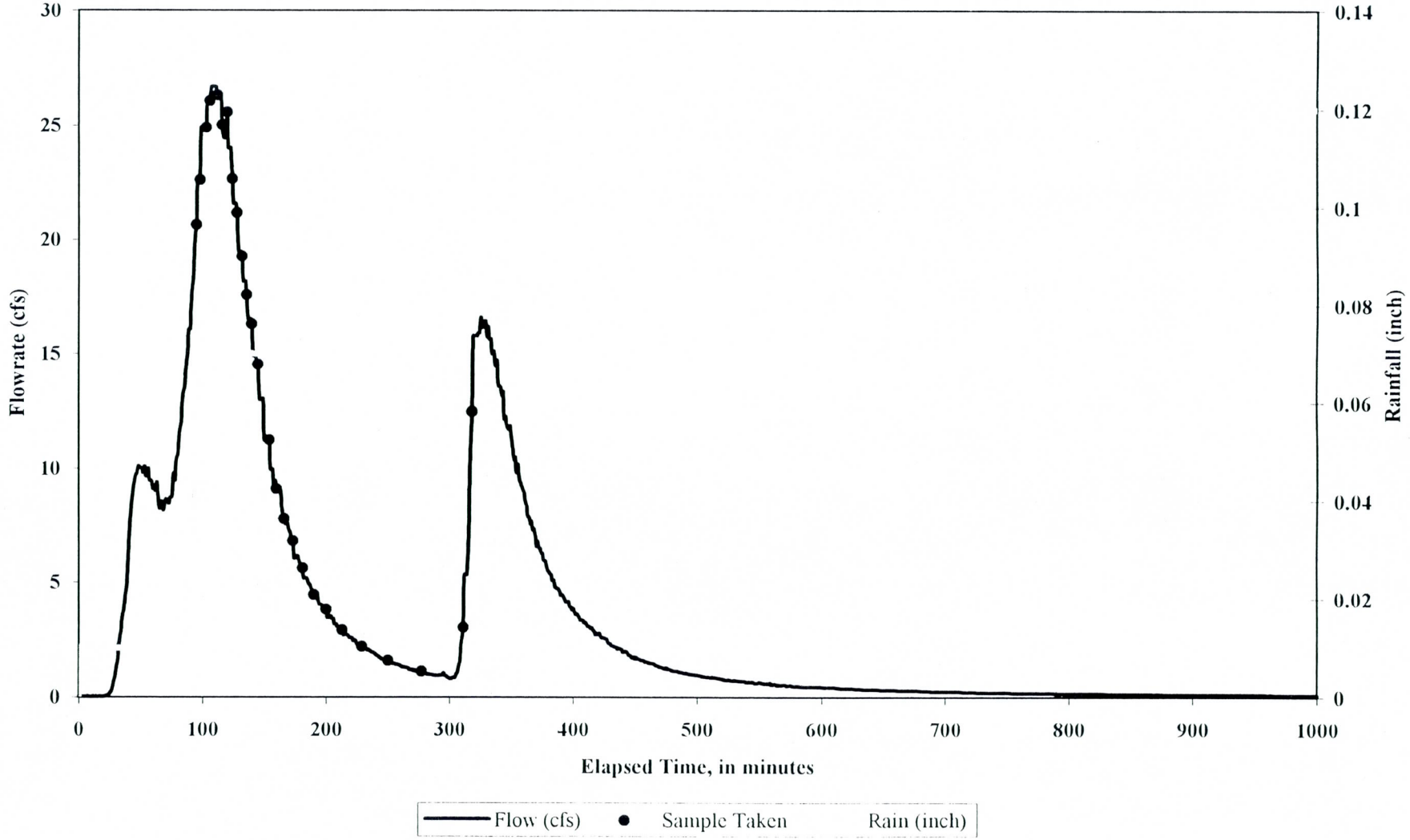

Mesa 2: Broadway and Lindsay
07 December 1997
Program Started: 3:34 AM 07DEC97
Rainfall Sampled: 0.11 inch
Runoff Sampled: 165,000 cu. Ft
Flowrate (cfs)
Rainfall (inch)
Elapsed Time, in minutes
0
5
10
15
20
25
30
35
0
0.02
0.04
0.06
0.08
0.1
0.12
0
100
200
300
400
500
600
700
800
Flow (cfs)
Sample Taken
Rain (inch)


Mesa 2: Broadway and Lindsay
22 December 1997
Flowrate (cfs)
Rainfall (inch)
Elapsed Time, in minutes
0
5
10
15
20
25
30
35
40
45
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
0
100
200
300
400
500
600
700
800
900
1000
Flow (cfs)
Sample Taken
Rain (inch)

Mesa 2: Broadway and Lindsay
04 February 1998

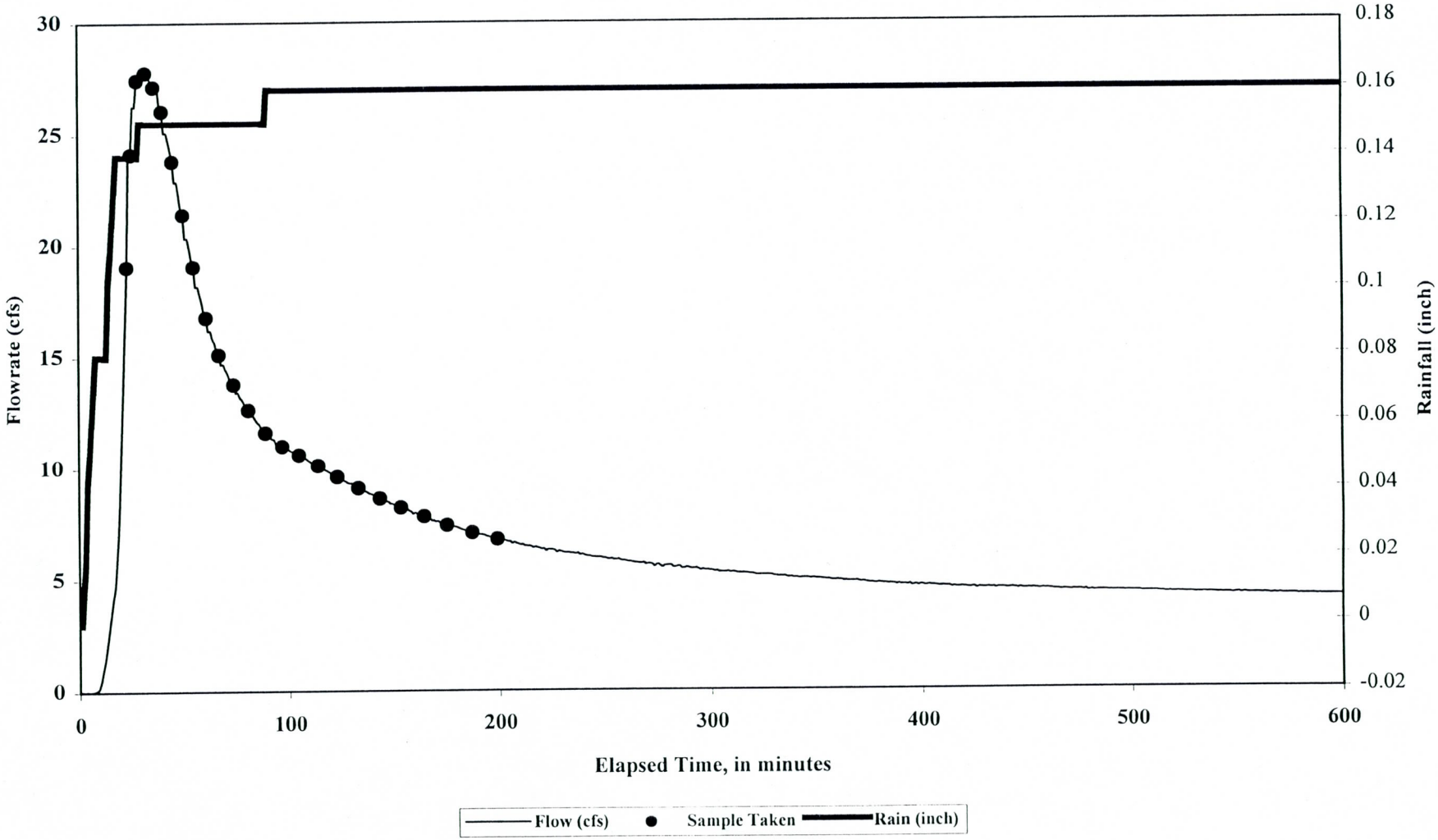


Mesa 2: Broadway and Lindsay
24 February 1998

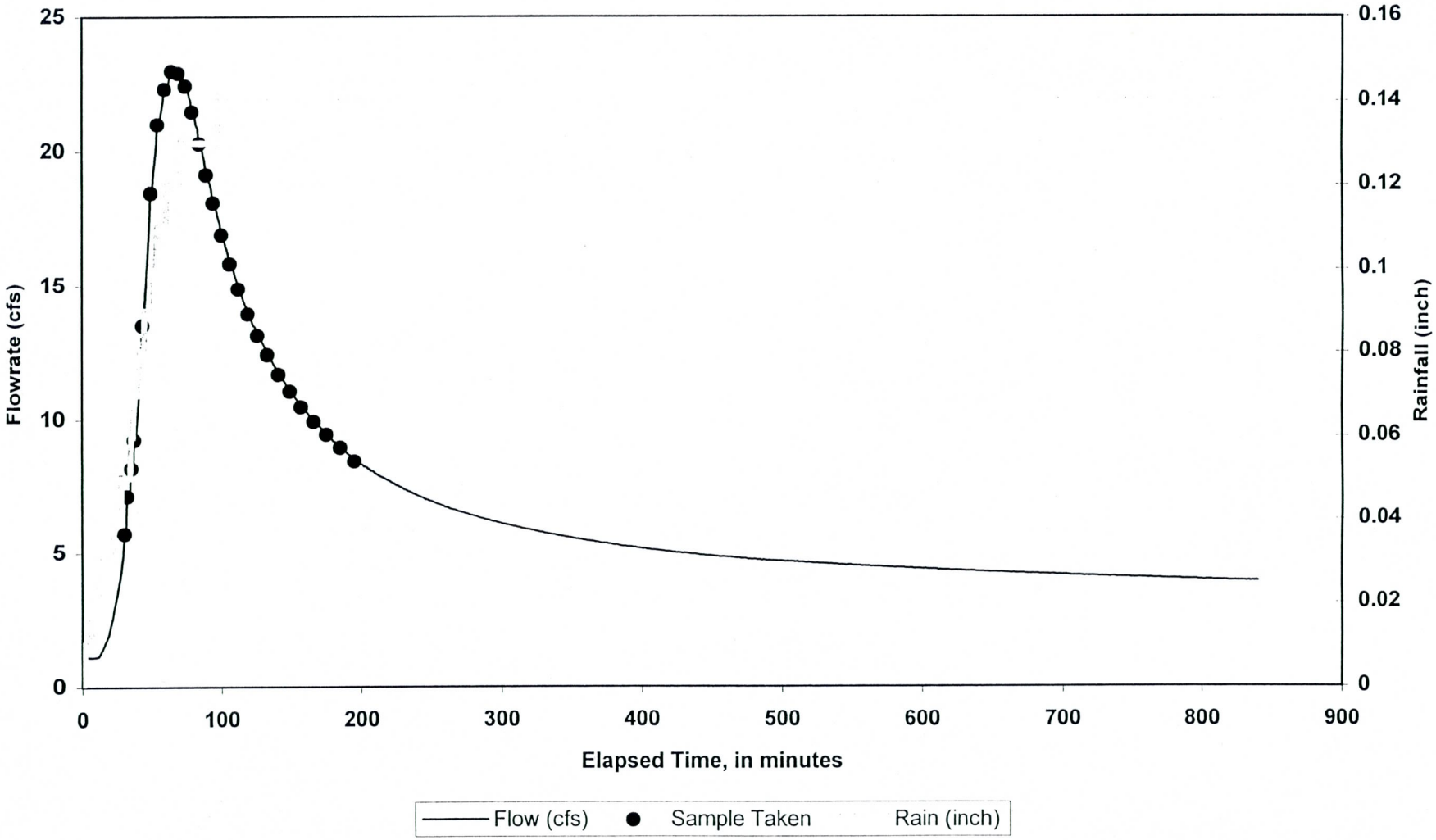


Mesa 3
Falcon Field

Mesa 3: Falcon Field
26 August 1997

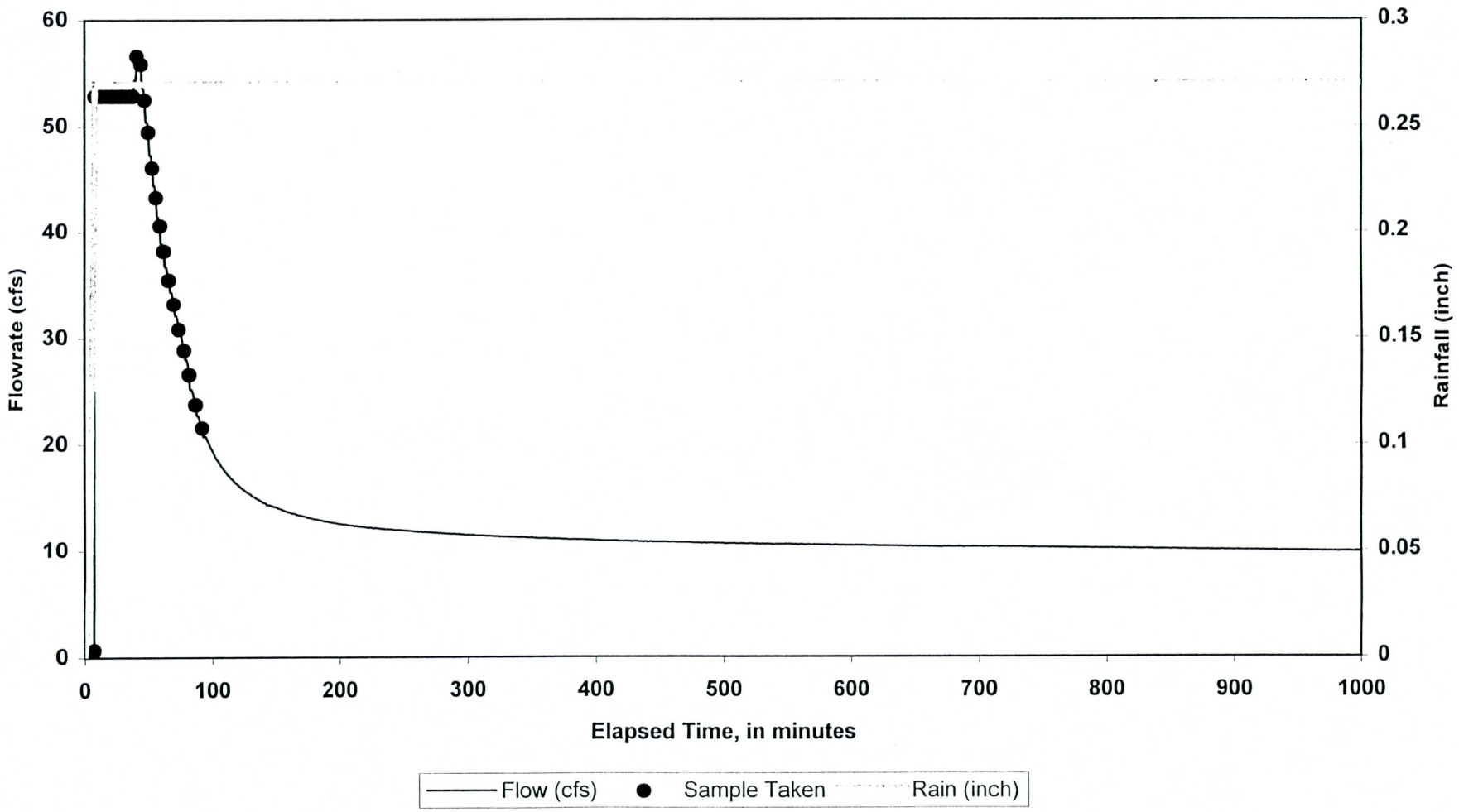


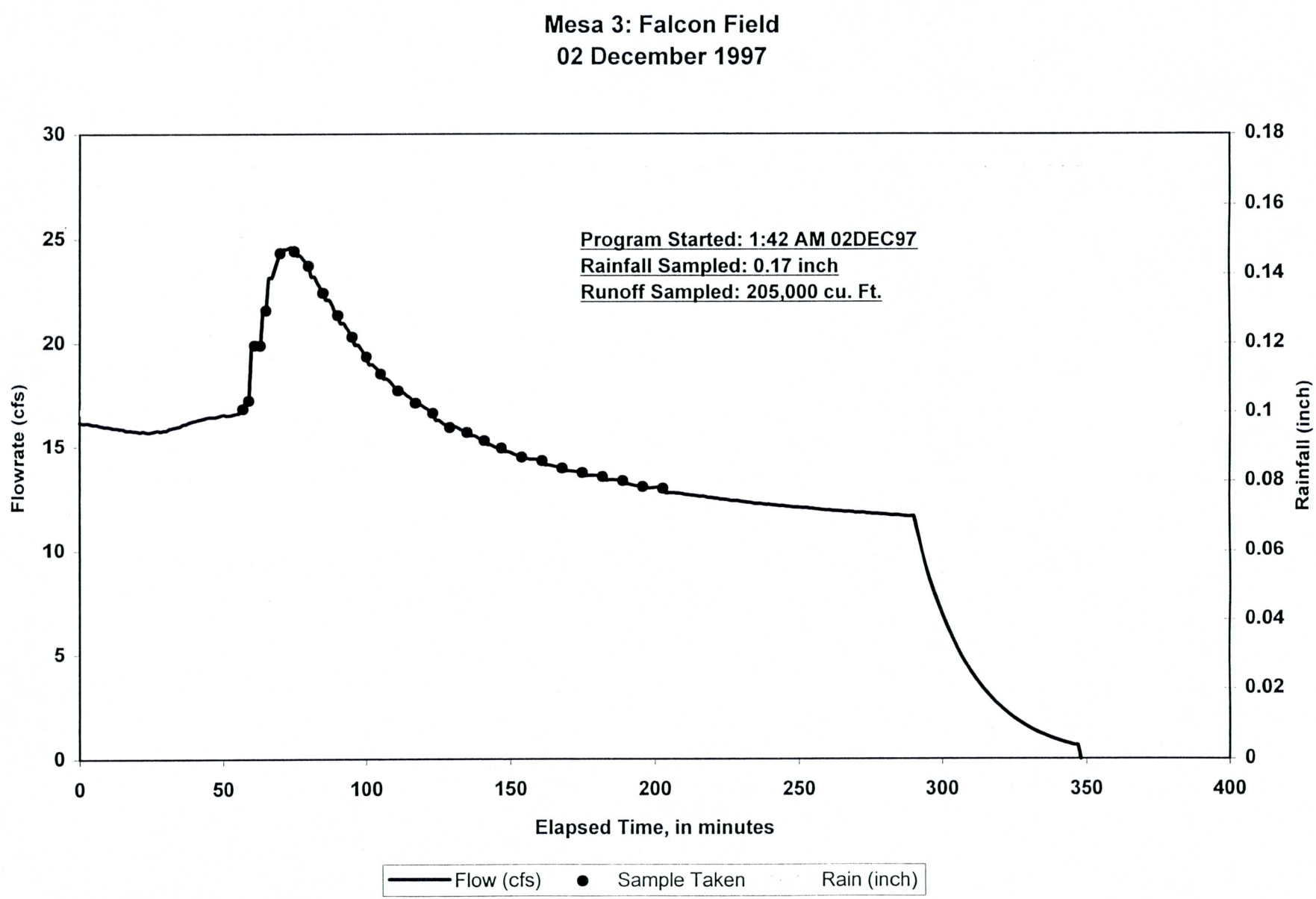
Mesa 3: Falcon Field
31 August 1997

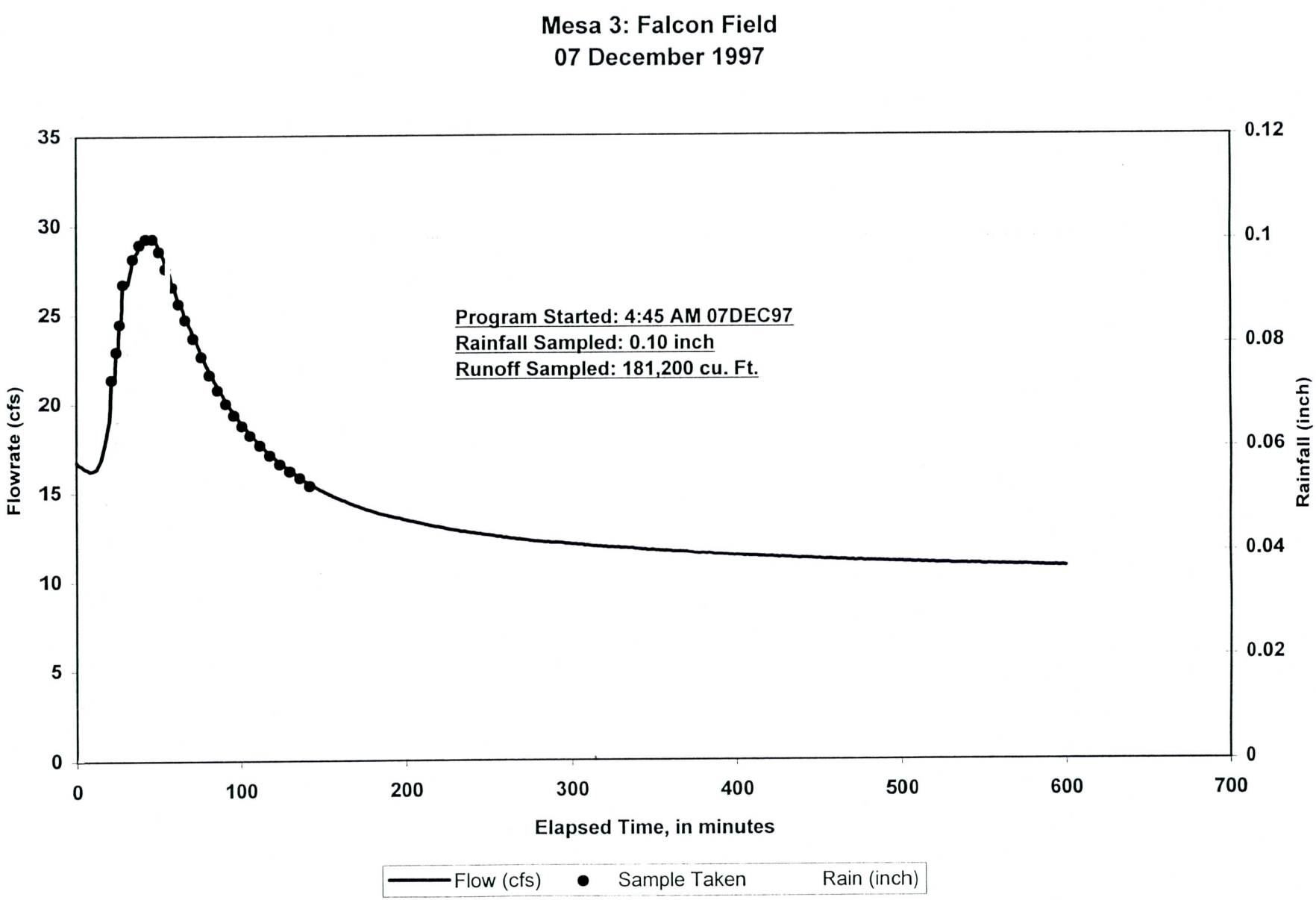


Mesa 3: Falcon Field

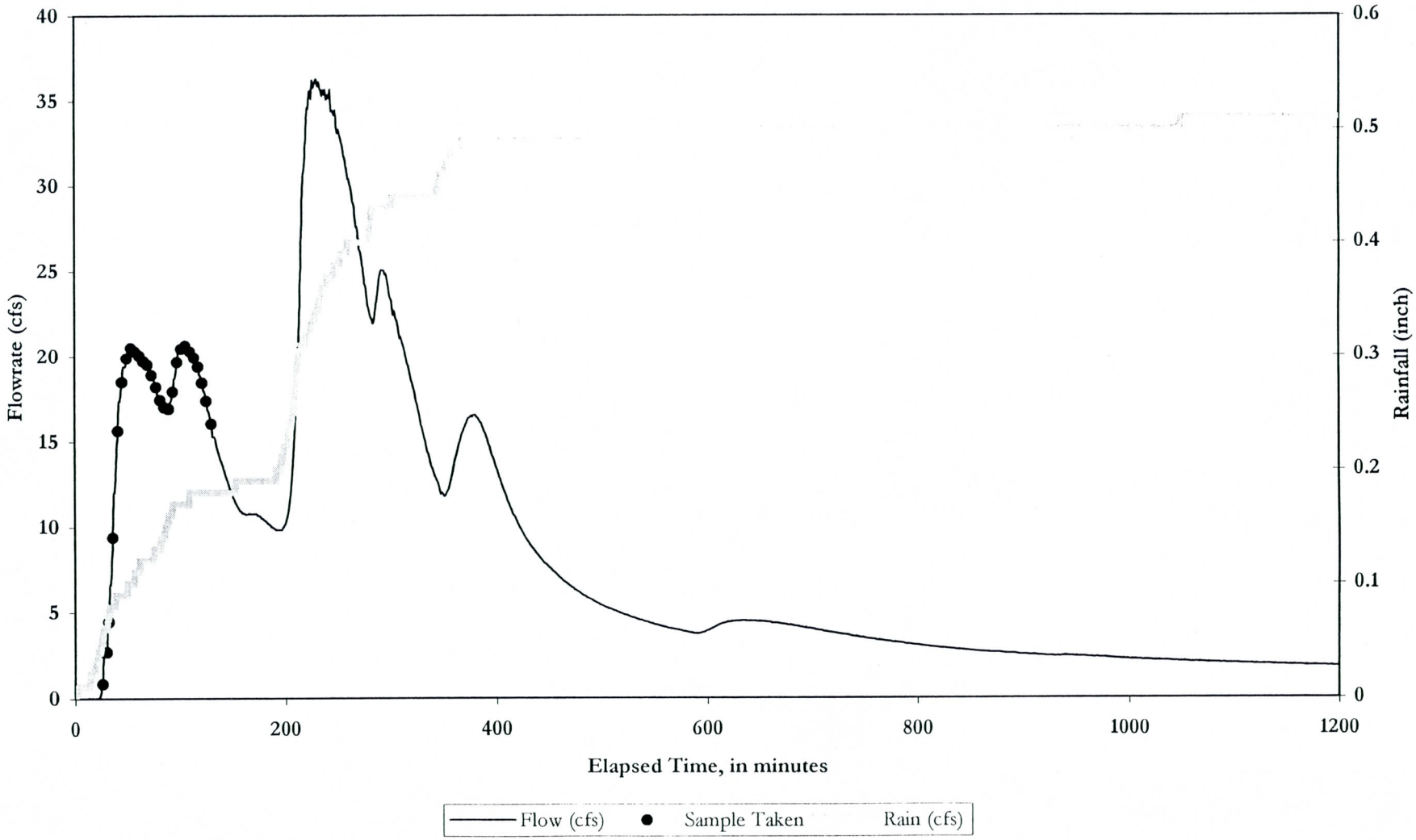
07 October 1997



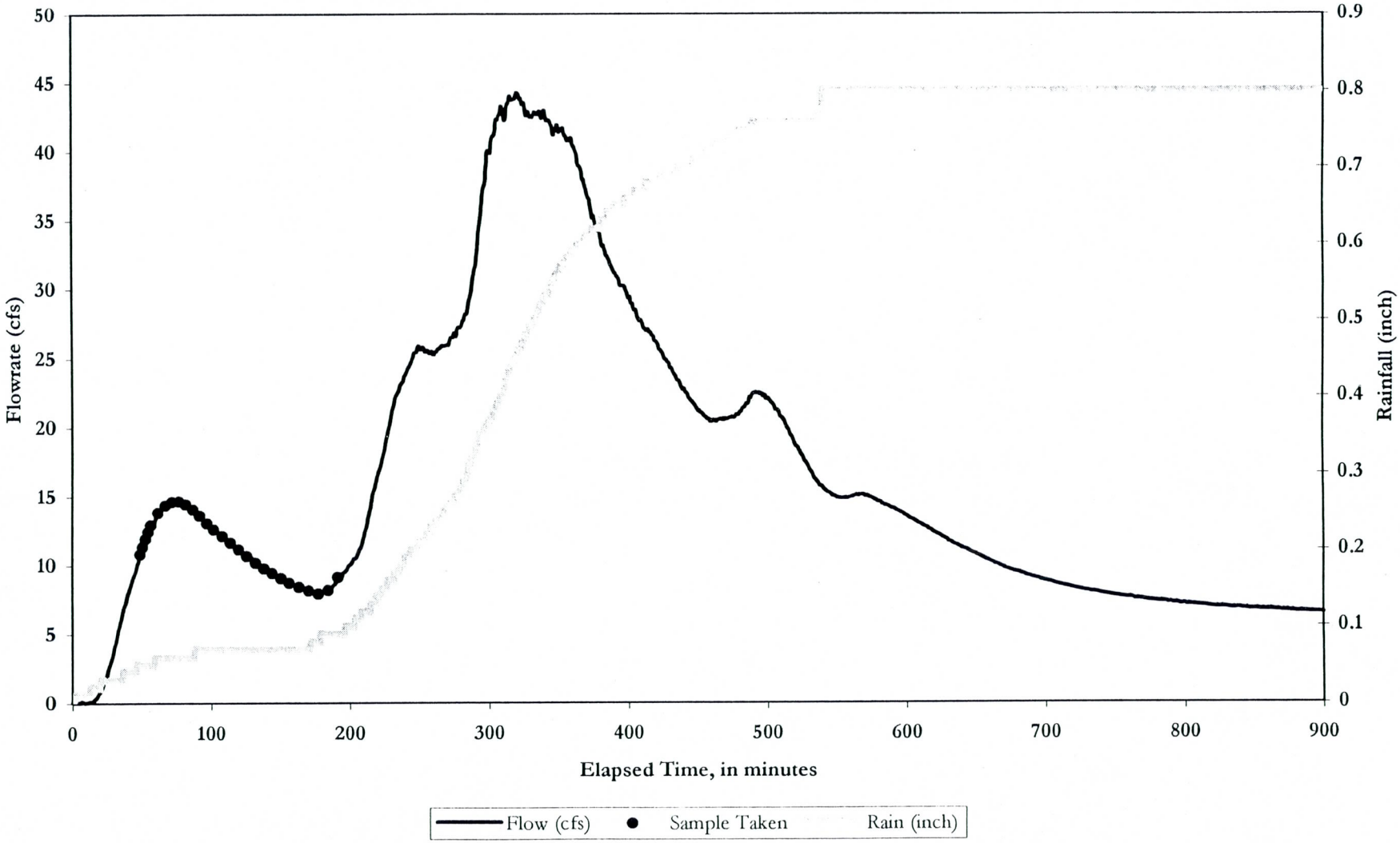

Mesa 3: Falcon Field
02 December 1997
Program Started: 1:42 AM 02DEC97
Rainfall Sampled: 0.17 inch
Runoff Sampled: 205,000 cu. Ft.
Flowrate (cfs)
Rainfall (inch)
Elapsed Time, in minutes
0
5
10
15
20
25
30
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0
50
100
150
200
250
300
350
400
Flow (cfs)
Sample Taken
Rain (inch)


Mesa 3: Falcon Field
07 December 1997
Program Started: 4:45 AM 07DEC97
Rainfall Sampled: 0.10 inch
Runoff Sampled: 181,200 cu. Ft.
Flowrate (cfs)
Rainfall (inch)
Elapsed Time, in minutes
0
5
10
15
20
25
30
35
0
0.02
0.04
0.06
0.08
0.1
0.12
0
100
200
300
400
500
600
700
Flow (cfs)
Sample Taken
Rain (inch)

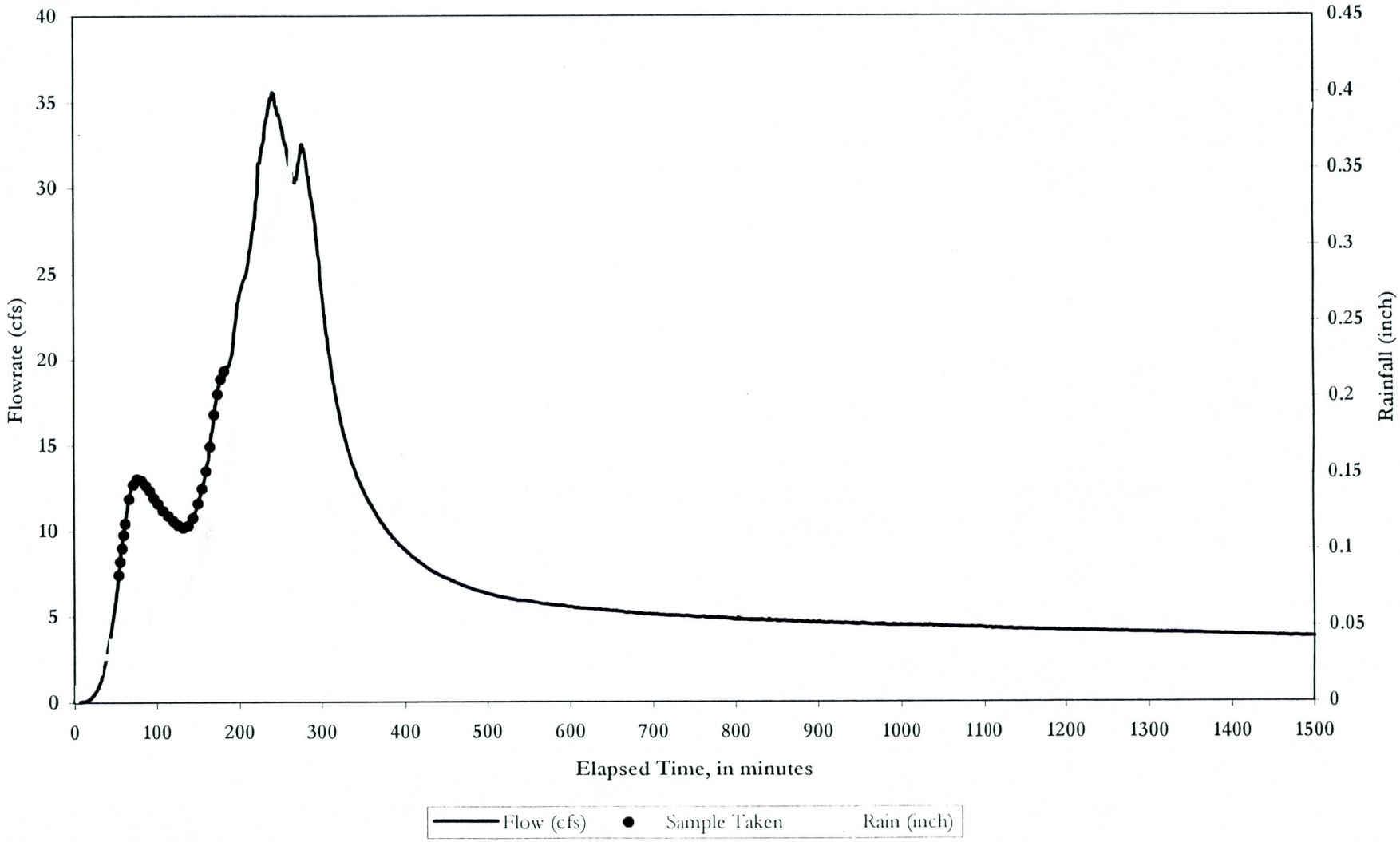
Mesa 3: Falcon Field
10 January 1998

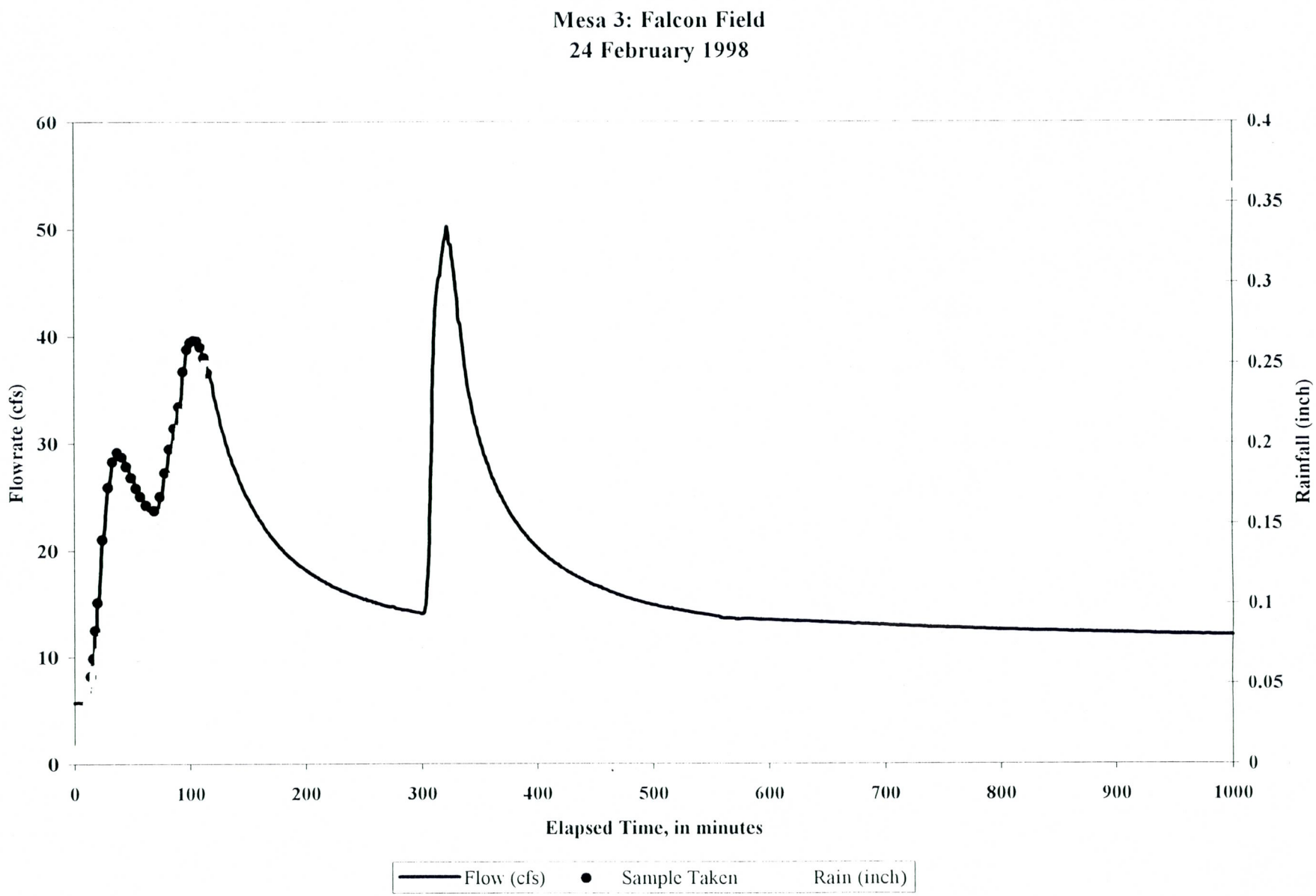


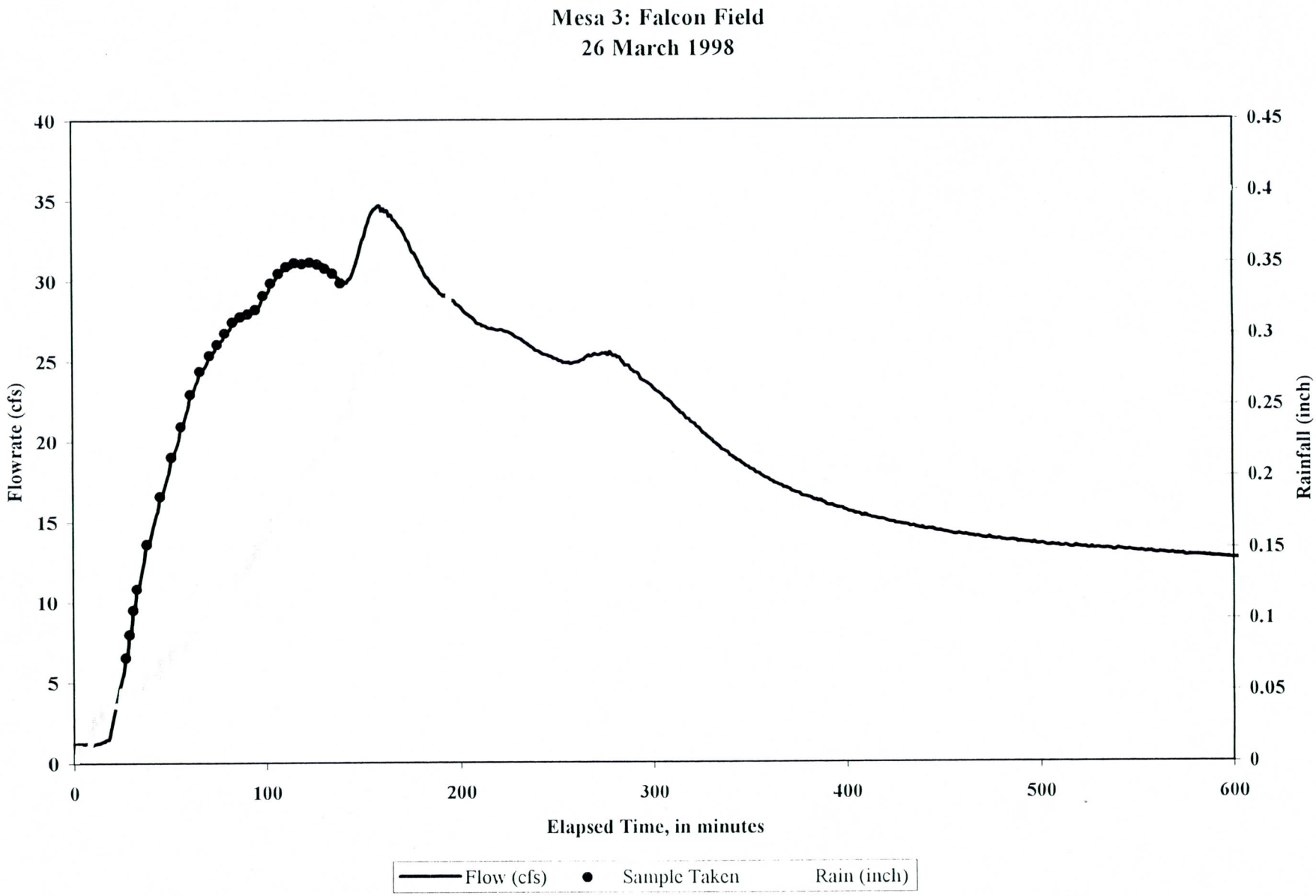
Mesa 3: Falcon Field
04 February 1998

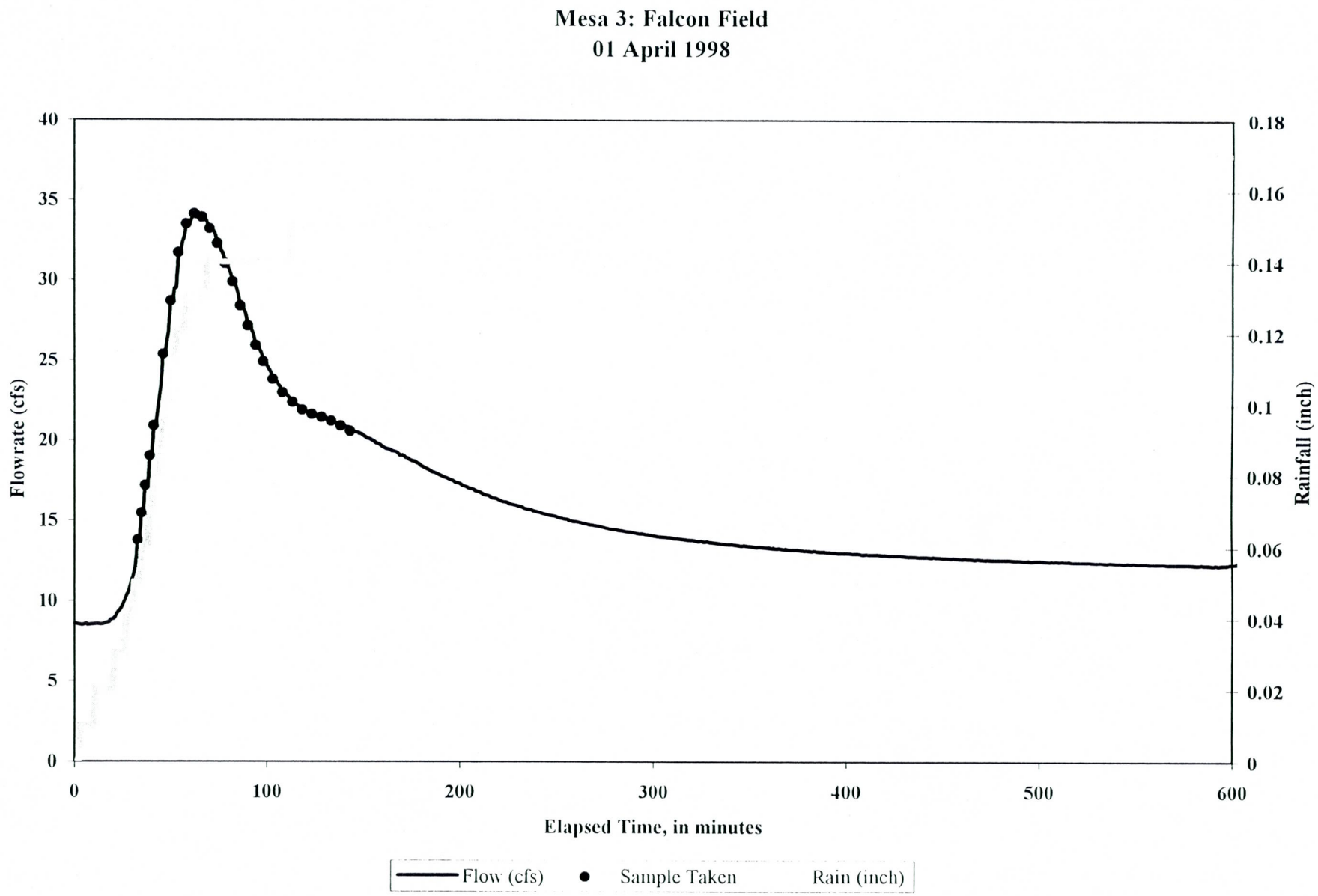


Mesa 3: Falcon Field
15 February 1998



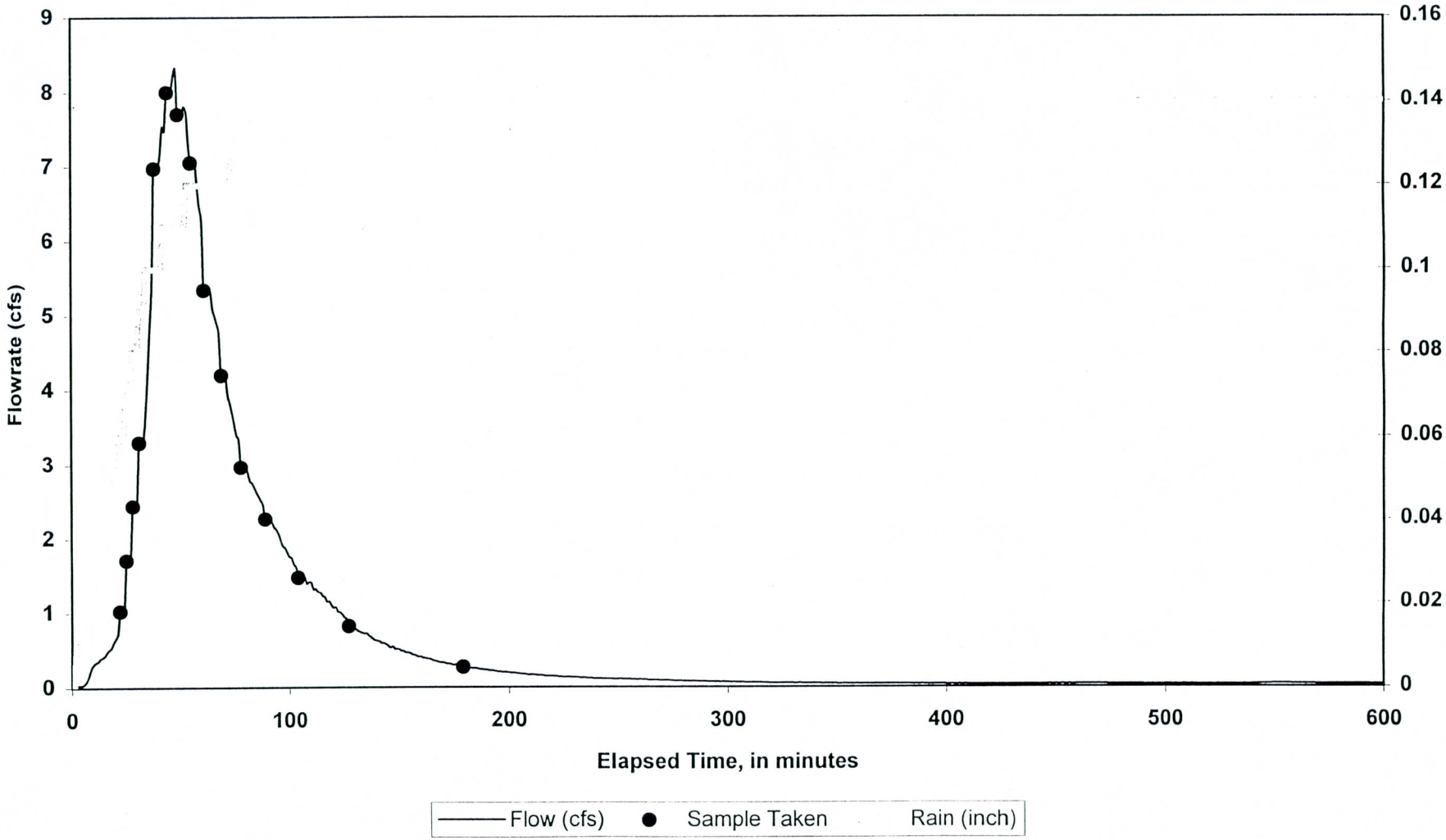

Mesa 3: Falcon Field
24 February 1998
Flowrate (cfs)
Rainfall (inch)
Elapsed Time, in minutes
0
10
20
30
40
50
60
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0
100
200
300
400
500
600
700
800
900
1000
Flow (cfs)
Sample Taken
Rain (inch)


Mesa 3: Falcon Field
26 March 1998
Flowrate (cfs)
Rainfall (inch)
Elapsed Time, in minutes
0
5
10
15
20
25
30
35
40
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0
100
200
300
400
500
600
Flow (cfs)
Sample Taken
Rain (inch)

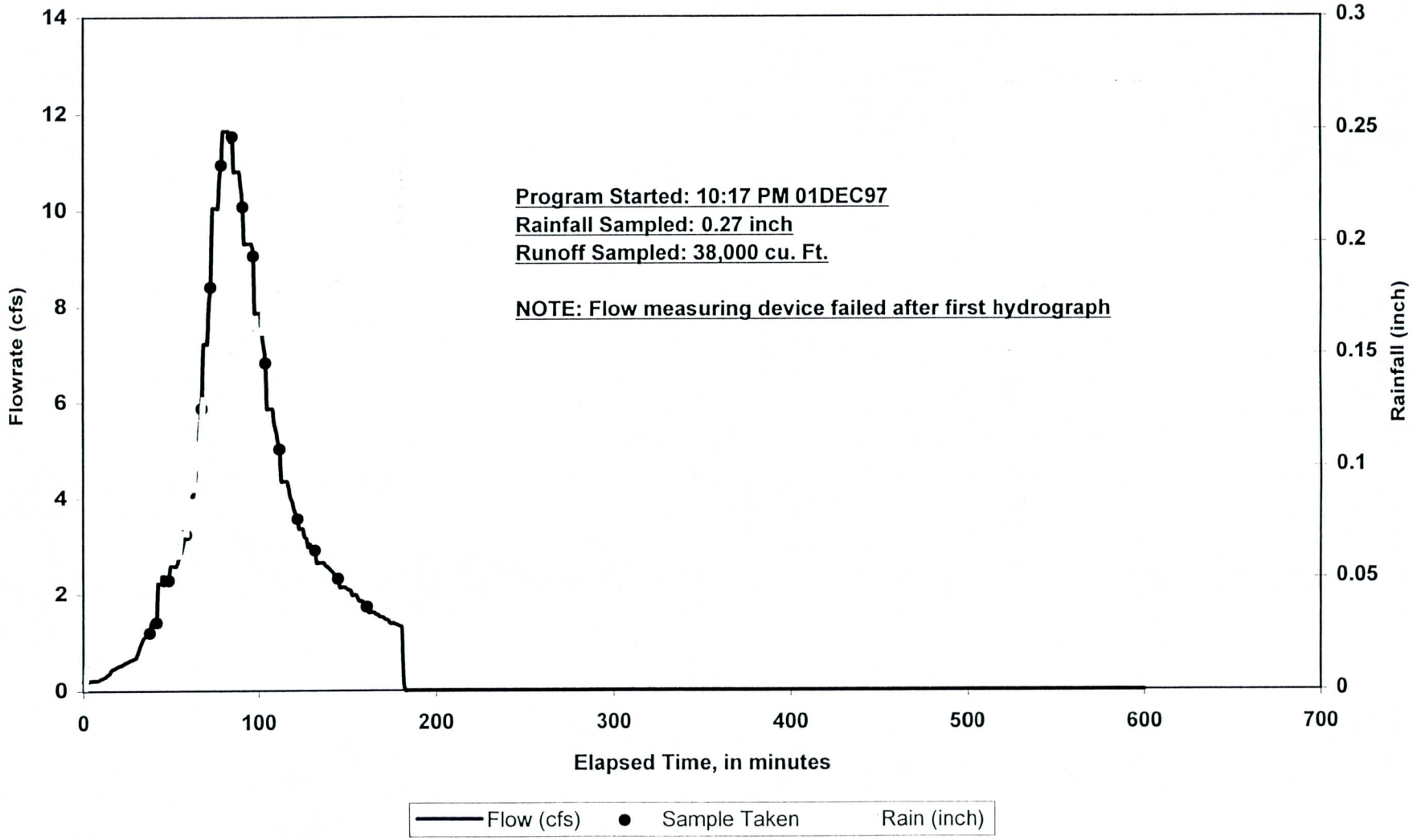

Mesa 3: Falcon Field
01 April 1998
Flowrate (cfs)
Rainfall (inch)
Elapsed Time, in minutes
0
5
10
15
20
25
30
35
40
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0
100
200
300
400
500
600
Flow (cfs)
Sample Taken
Rain (inch)

Mesa 4
Horne and Grandview

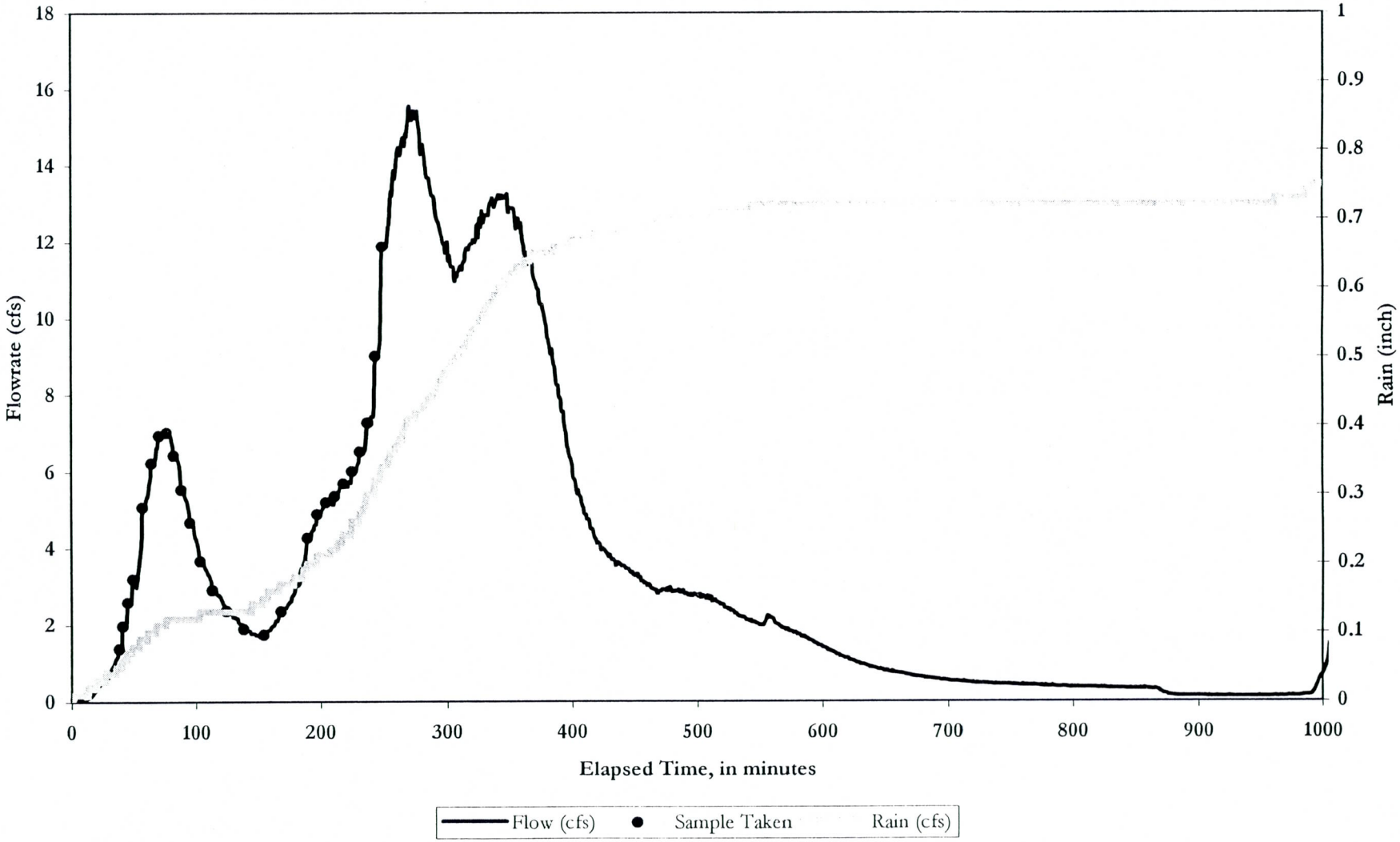
Mesa 4: Horne and Grandview
31 August 1997



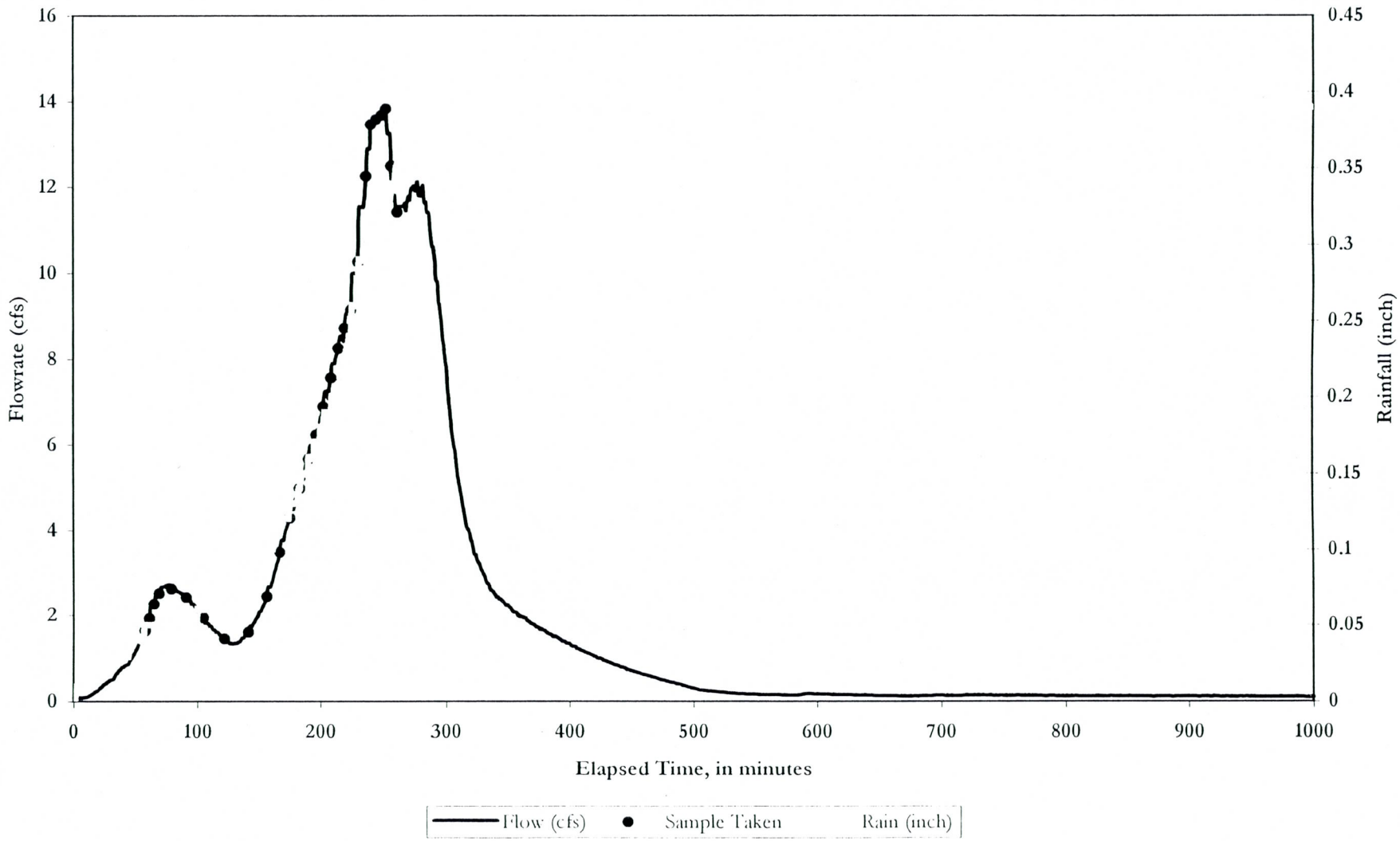
Mesa 4: Horne and Grandview
07 December 1997

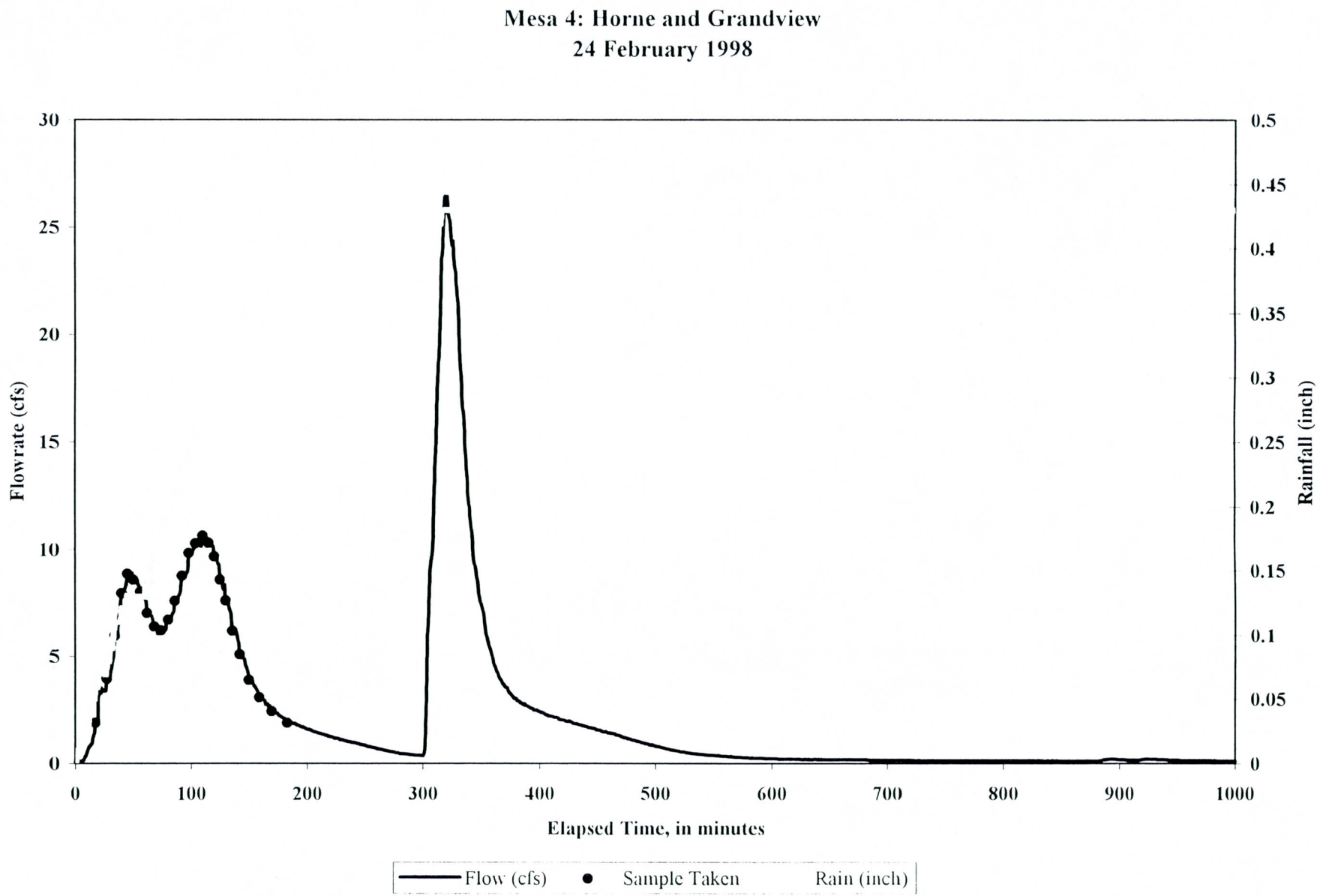


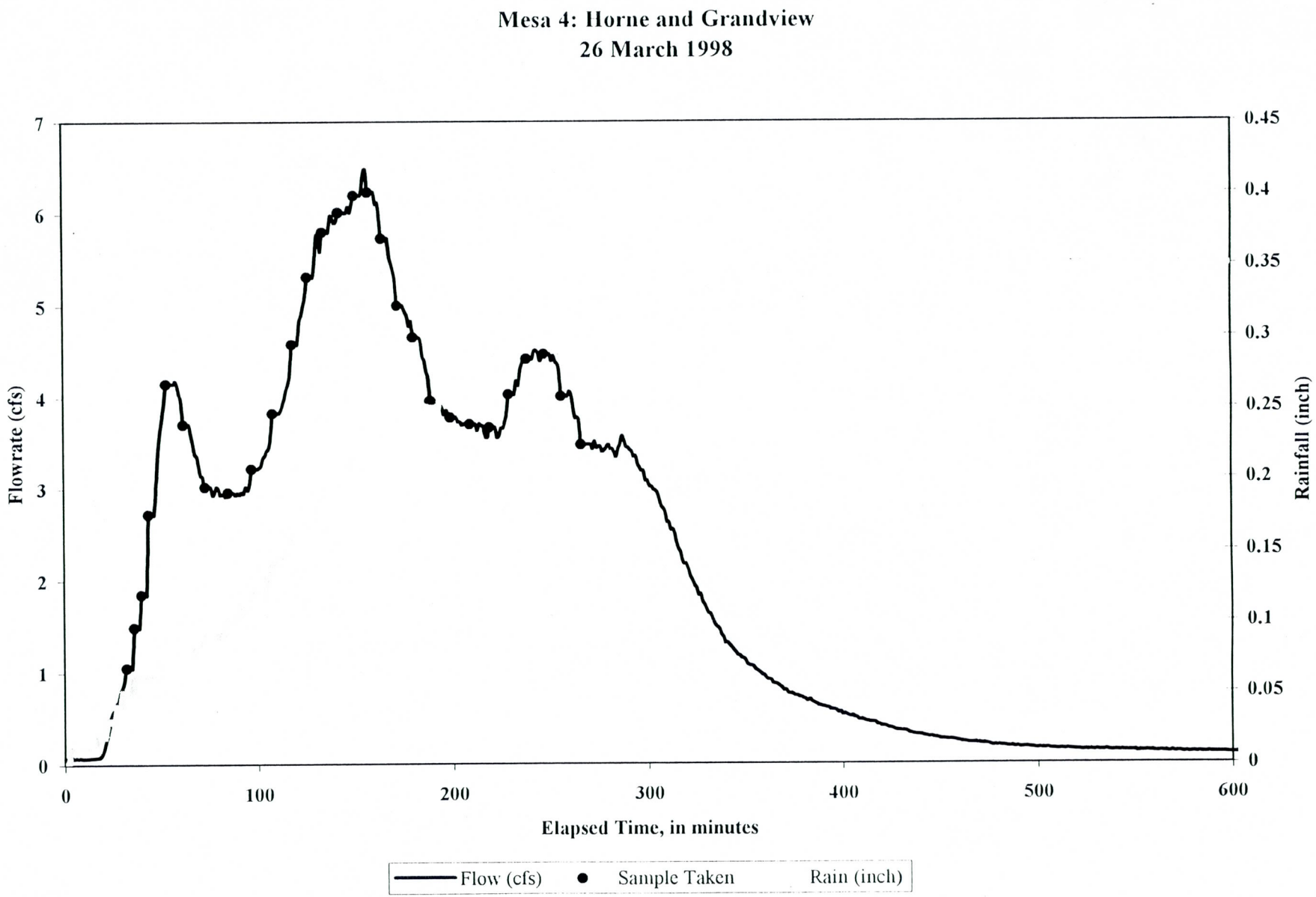
Mesa 4: Horne and Grandview
04 February 1998

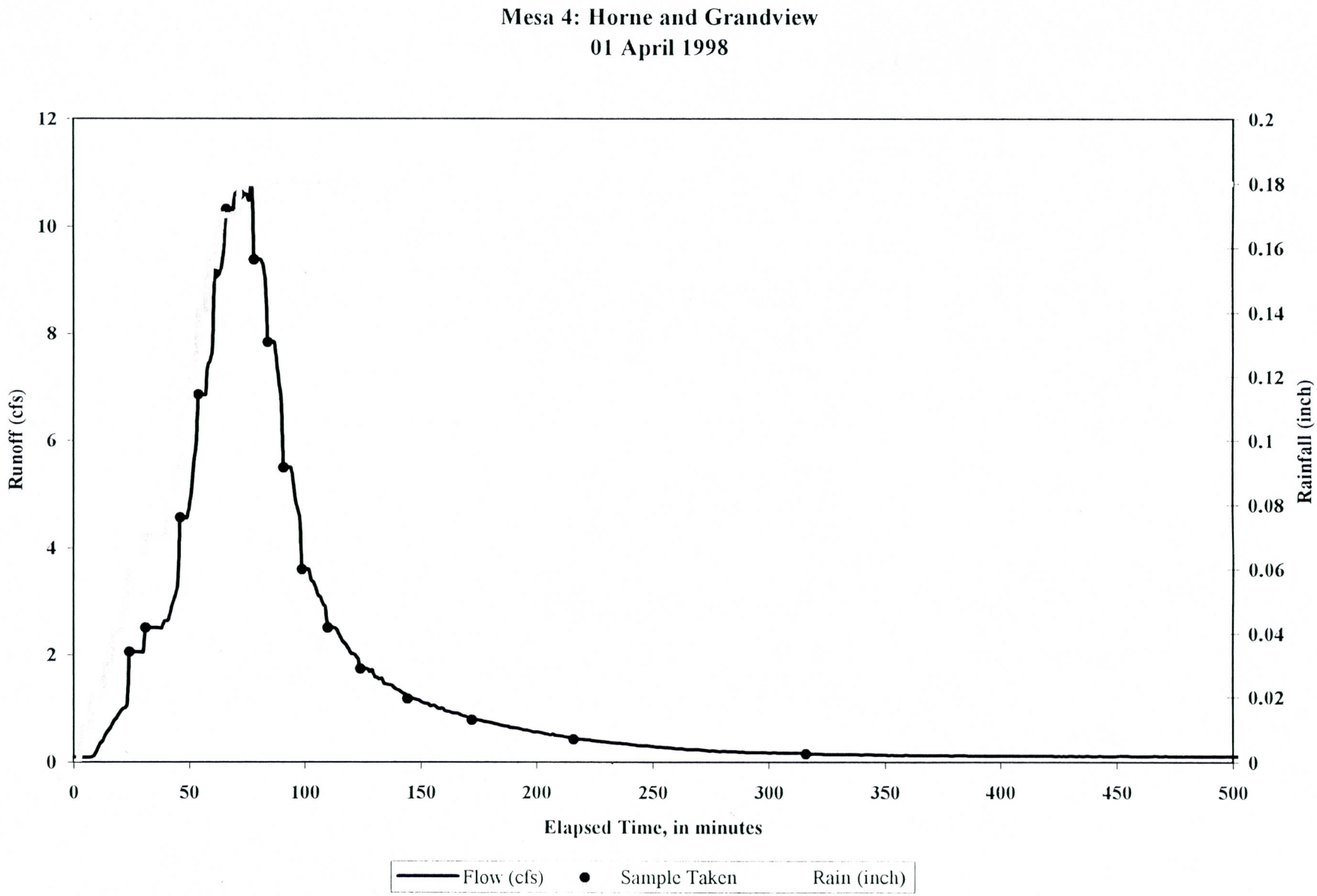


Mesa 4: Horne and Grandview
15 February 1998



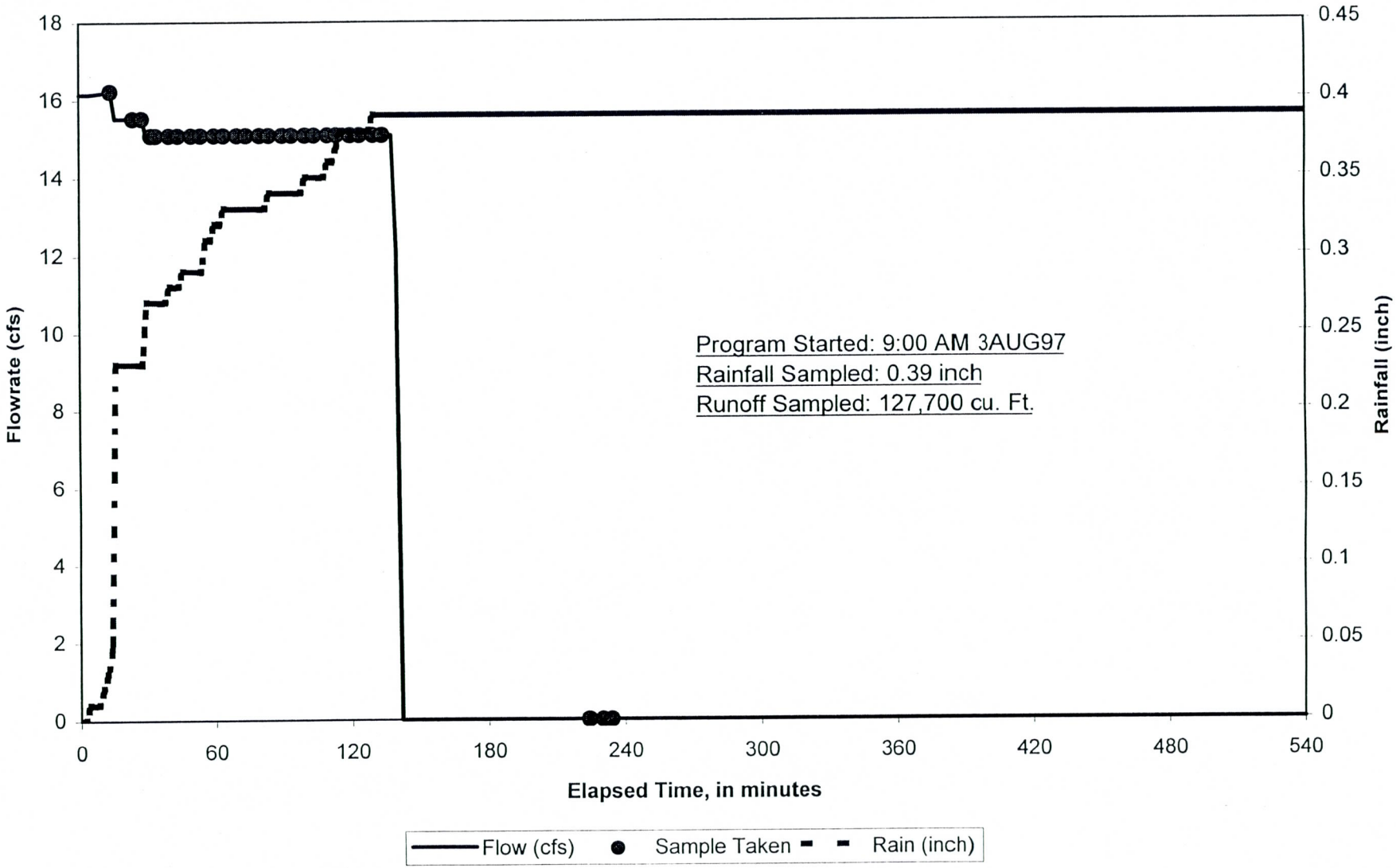

Mesa 4: Horne and Grandview
24 February 1998
Flowrate (cfs)
Rainfall (inch)
Elapsed Time, in minutes
0
5
10
15
20
25
30
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
0
100
200
300
400
500
600
700
800
900
1000
Flow (cfs)
Sample Taken
Rain (inch)

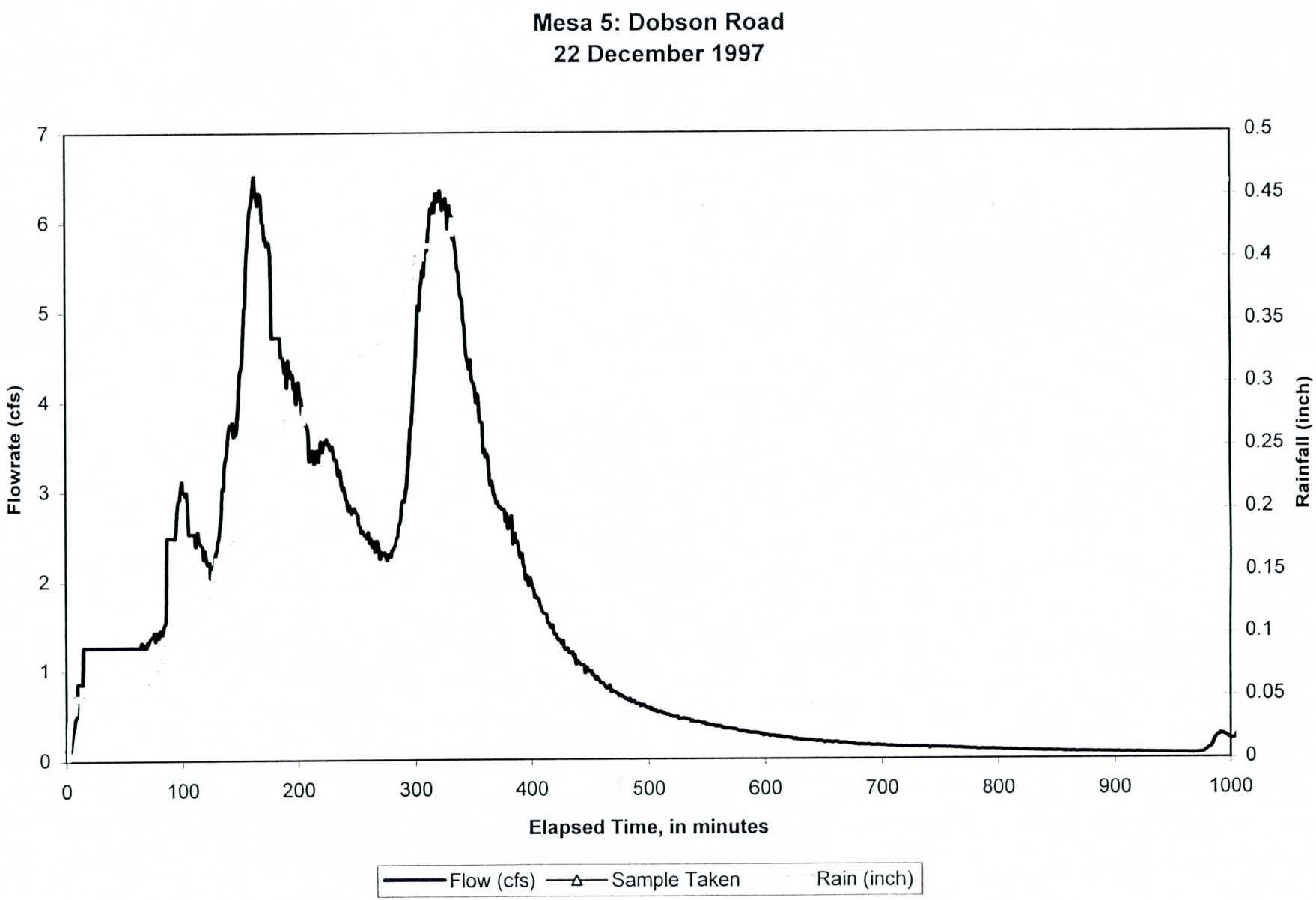

Mesa 4: Horne and Grandview
26 March 1998
Flowrate (cfs)
Rainfall (inch)
Elapsed Time, in minutes
0
1
2
3
4
5
6
7
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0
100
200
300
400
500
600
Flow (cfs)
Sample Taken
Rain (inch)


Mesa 4: Horne and Grandview
01 April 1998
Runoff (cfs)
Rainfall (inch)
Elapsed Time, in minutes
0
2
4
6
8
10
12
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
0
50
100
150
200
250
300
350
400
450
500
Flow (cfs)
Sample Taken
Rain (inch)

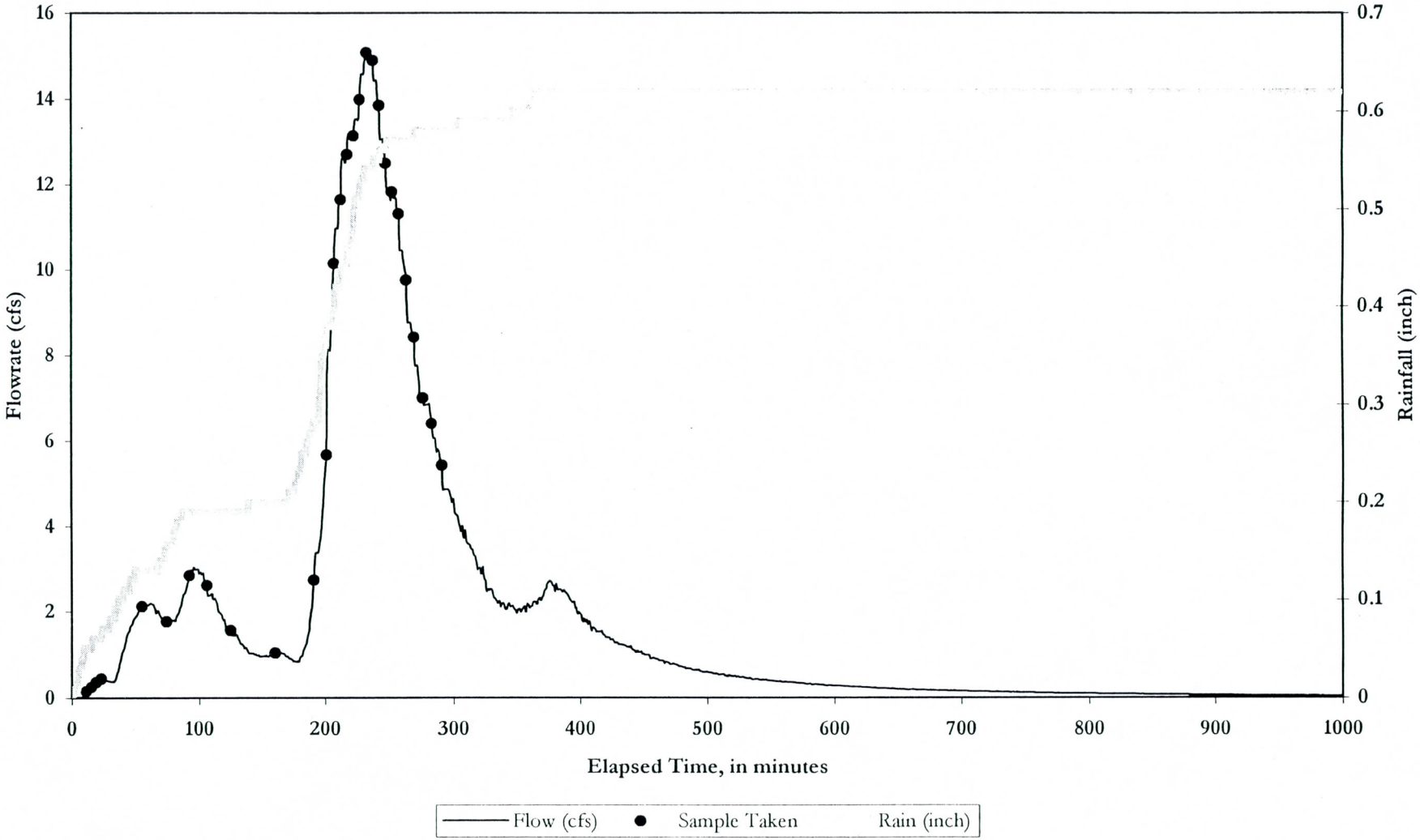
Mesa 5
Dobson Road south of Broadway

Mesa 5: Dobson Road 3 August 1997

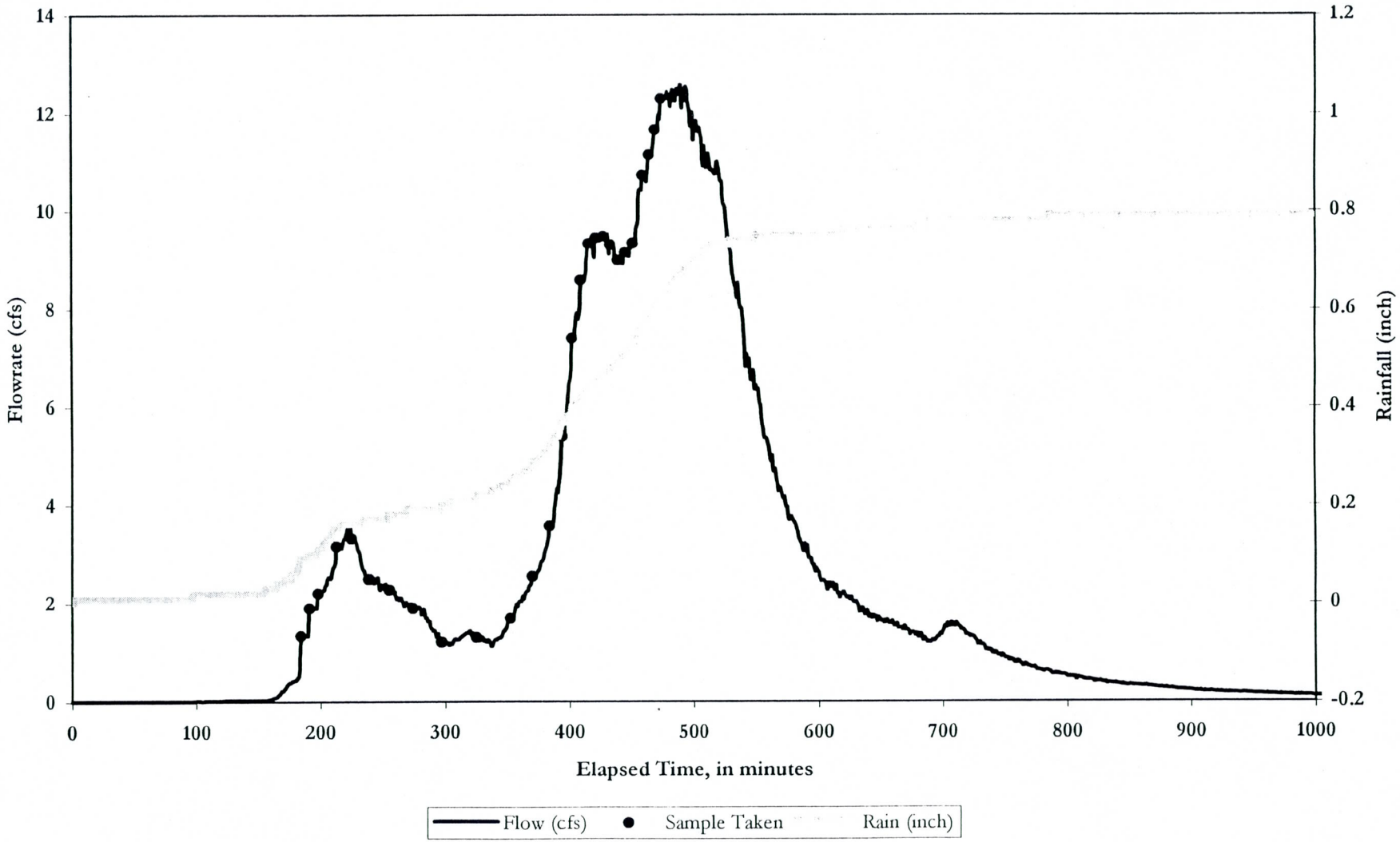



Mesa 5: Dobson Road
22 December 1997
Flowrate (cfs)
Rainfall (inch)
Elapsed Time, in minutes
0
1
2
3
4
5
6
7
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
0
100
200
300
400
500
600
700
800
900
1000
Flow (cfs)
Sample Taken
Rain (inch)

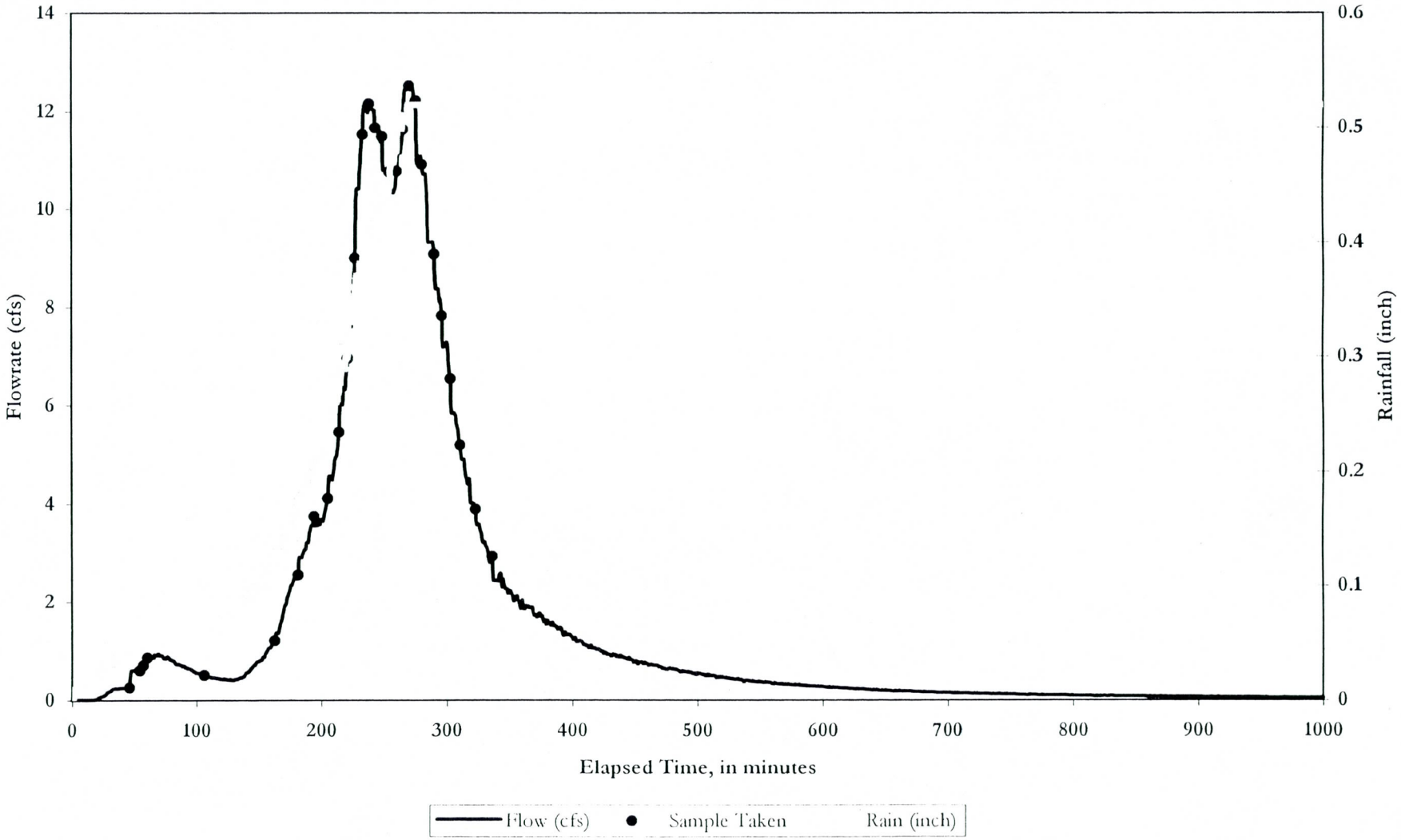
Mesa 5: Dobson Road south of Broadway
10 January 1998



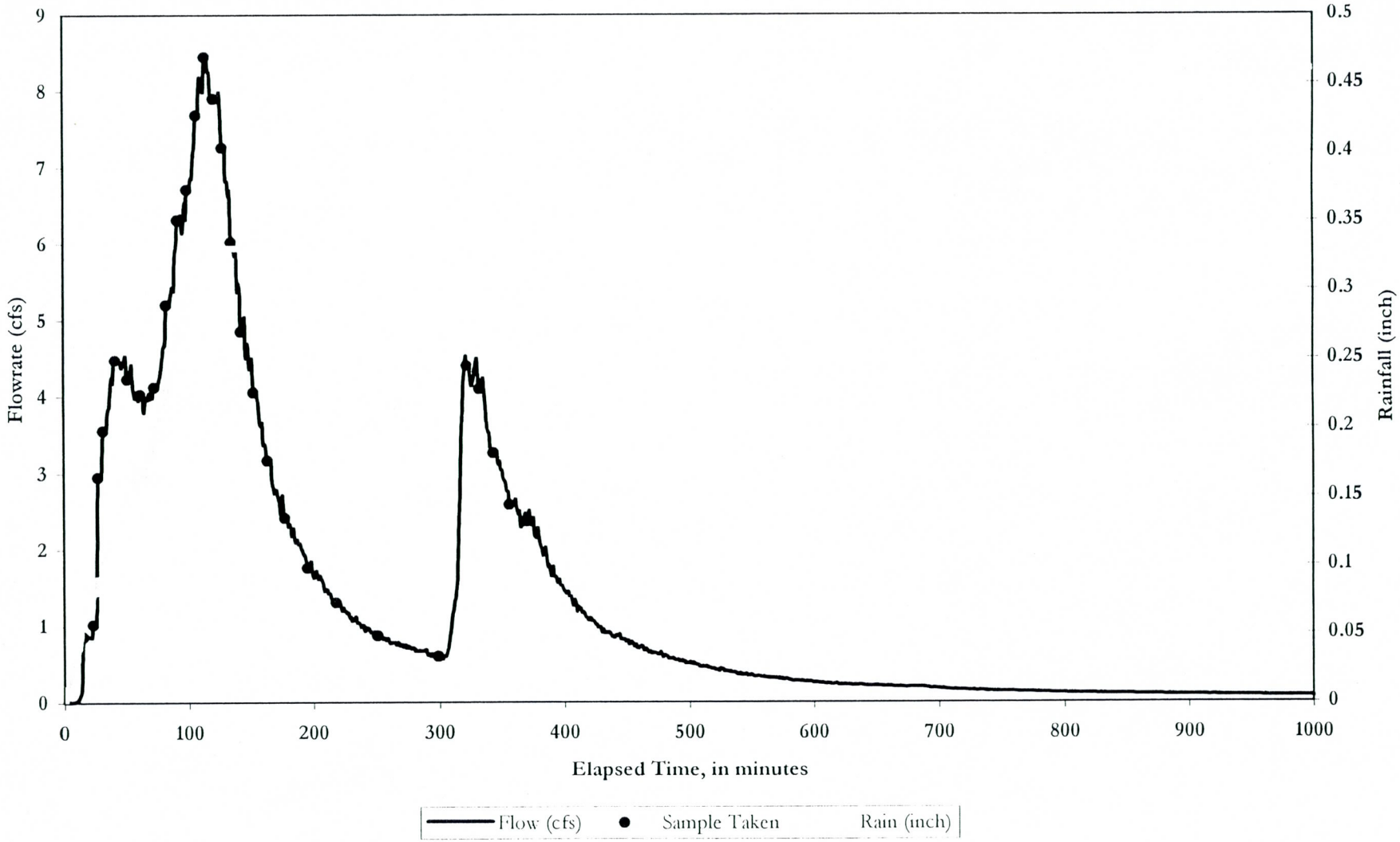
Mesa 5: Dobson Road
04 February 1998

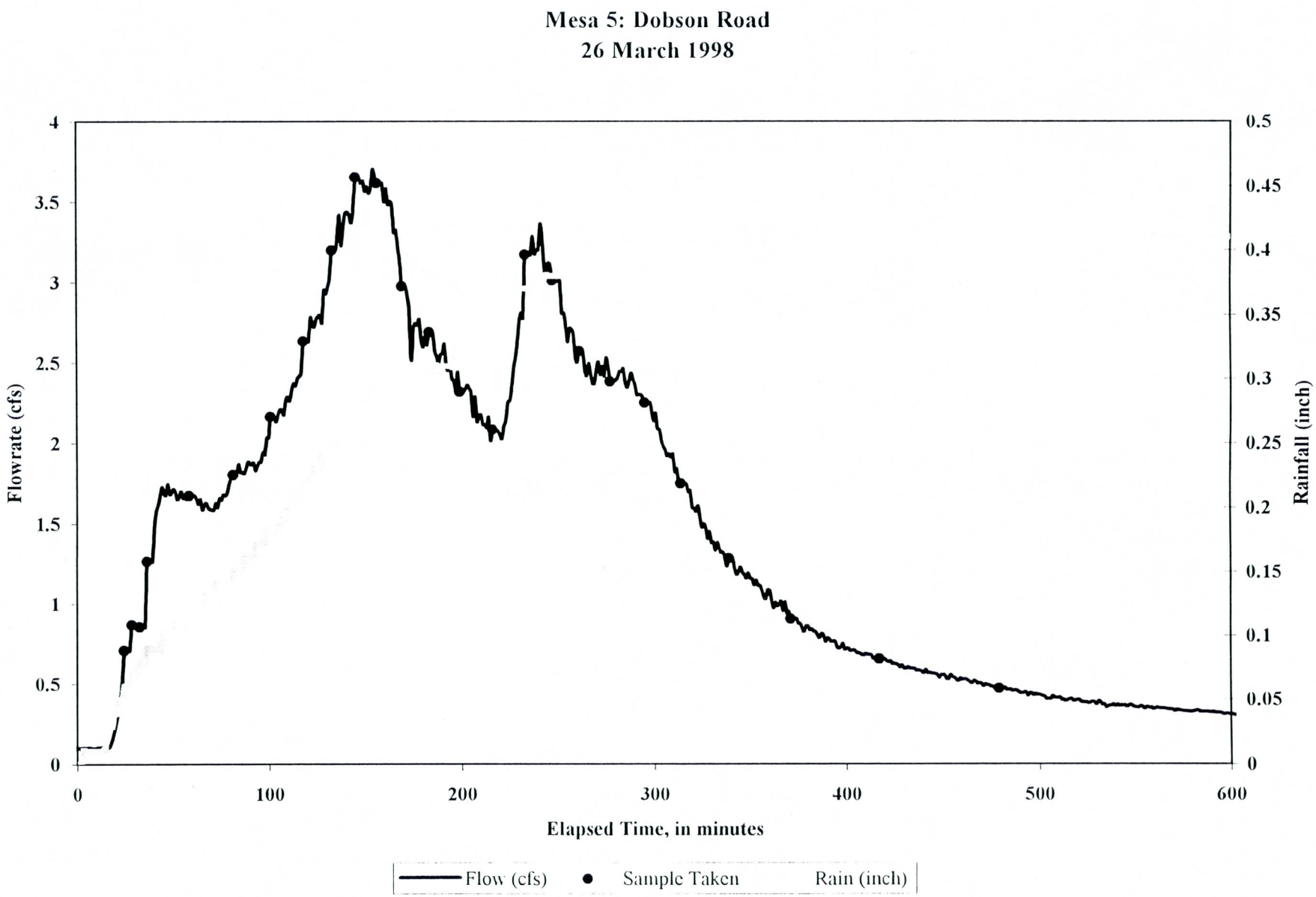


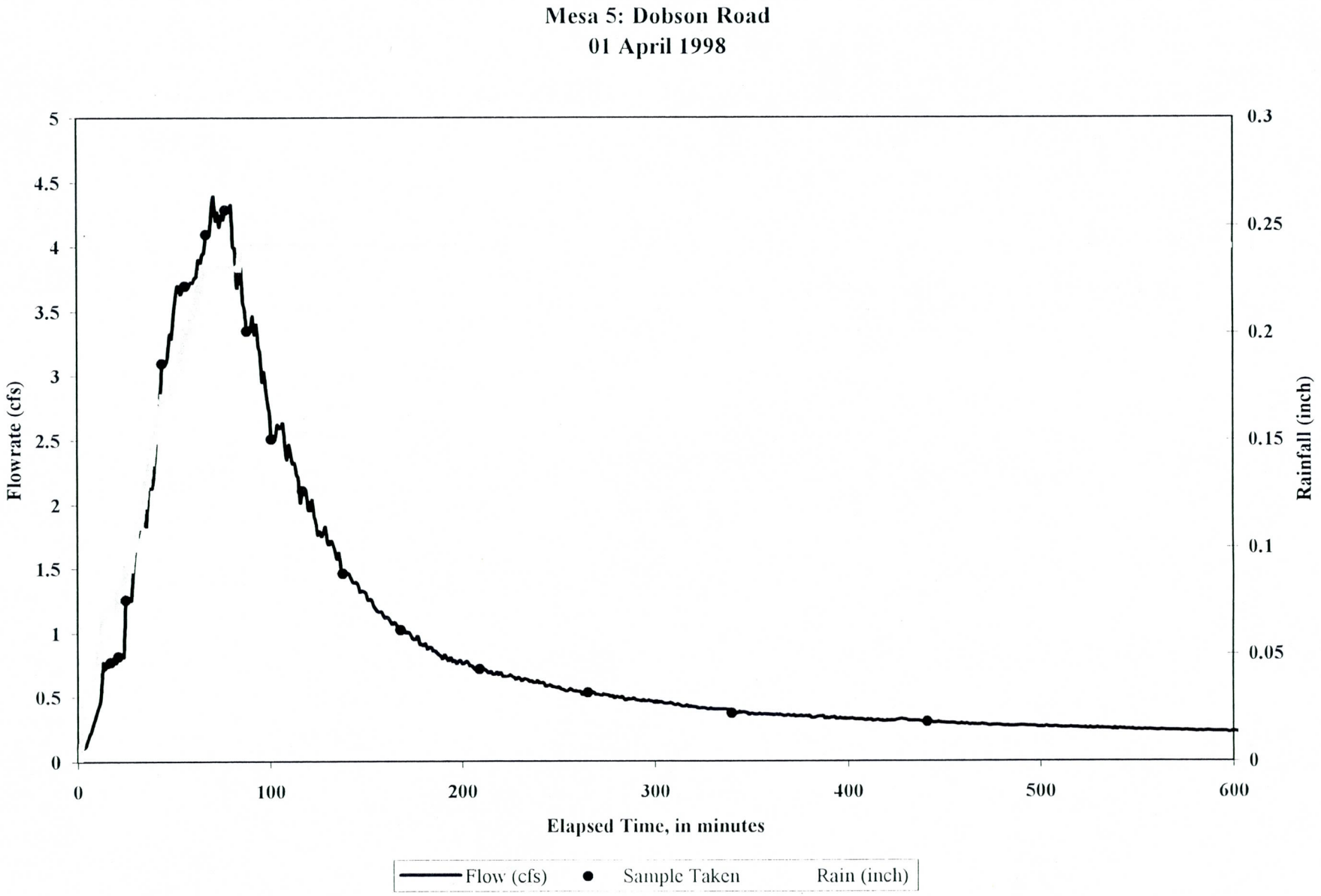
Mesa 5: Dobson Road
15 February 1998



Mesa 5: Dobson Road south of Broadway
24 February 1998




Mesa 5: Dobson Road
26 March 1998
Flowrate (cfs)
Rainfall (inch)
Elapsed Time, in minutes
0
0.5
1
1.5
2
2.5
3
3.5
4
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
0
100
200
300
400
500
600
Flow (cfs)
Sample Taken
Rain (inch)


Mesa 5: Dobson Road
01 April 1998
Flowrate (cfs)
Rainfall (inch)
Elapsed Time, in minutes
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
0
0.05
0.1
0.15
0.2
0.25
0.3
0
100
200
300
400
500
600
Flow (cfs)
Sample Taken
Rain (inch)