LAS SENDAS

CHANNEL SEDIMENTATION REPORT

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GeoDimensions

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INTRODUCTION

The Master Drainage Report for Falcon Ridge was prepared by Greiner Engineering Sciences, Inc. in May, 1987. The report was approved by the Maricopa County Flood Control District and the City of Mesa on June 30, 1987.

The alternative 1 drainage concept proposed in the Master Drainage Report includes detention/retention basins along the west boundary of Las Sendas. These basins were Basins 2, 12, 61, 63, 56 and 58. This configuration provides full retention of the 50-year / 24-hour storm as required by the City of Mesa. After the approval of the Master Drainage Report, other drainage configurations including discharging stormwater to the Spook Hill Floodway, instead of constructing retention basins along the west boundary of Red Mountain, were evaluated by Greiner Engineering. The results of this feasibility study were submitted to the Maricopa County Flood Control District on August 15, 1988, and are included in Appendix B of this addendum. Alternative 3, which eliminates the construction of Basins 2, 12, 61 and 63, is recommended for Las Sendas. **Addendum I** provided analysis of alternative 3 for incorporation into the Master Drainage Plan. **Addendum II** provided the analysis for the required temporary drainage improvements for the Phase I road improvements. **Addendum III** incorporates minor basin and drainage area revisions in the Southern portion of the community required to increase the ease of construction and reduce the maintenance.

One of the major channel improvements included in the original Master Drainage Report is channel reaches 152, 38, 50 & 48 which parallel McDowell Road from the Spook Hill Floodway east to the Sossaman Road alignment and then north along said alignment to the intersection of the boundary of Las Sendas and the Sossaman Road alignment. This channel has been designed as part of the Phase II improvement plans for Las Sendas and is the subject of this Sedimentation Study.

HYDROLOGIC AND HYDRAULIC INFORMATION

The following table summarizes the channel reaches that are designed with the Phase II improvement plans:

Channel Reach	Peak Discharge, cfs.	Bottom Width, ft.	Side Slope, ft/ft.	Flow Depth, ft.	Velocity, fps.
48	958.60	24	4	4.0	6.0
50	994.19	24	4	4.1	6.0
38	1,196.61	24	4	4.7	6.0
152 East	1,264.37	24	4	4.9	6.0
152 West	1,332.33	24	4	5.1	6.0

The original Master Drainage Plan sized all of the proposed channel reaches with a average velocity of 6.0 fps as required by the Flood Control District of Maricopa County for earthen channels. In order to maintain the velocity on the Phase II improvement plans the channel was designed with a slope of 0.34% using a Manning's N value of 0.032 for the entire channel.

SEDIMENTATION ANALYSIS

The purpose of this study is to analyze the potential vertical movement of the proposed channel so that this vertical movement can be incorporated in the design of the channel cross sections and structures. In addition to the local scour and deposition analysis this study will determine the size of a proposed sedimentation basin to be constructed immediately east of the Spook Hill Floodway. The entire proposed channel was analyzed using the HEC-6 sedimentation computer model as requested by the Flood Control District of Maricopa County. This analysis was used to verify the local scour calculations and overall sediment transport value in order to size the sedimentation basin.

LOCAL SCOUR CALCULATIONS

The local scour was calculated for the proposed drop structures using the Veronese Equation and the HEC-6 computer model. The results are summarized in the following table:

Channel Discharge, cfs.	Vertical Drop, ft.	Veronese Equation Scour Depth, ft.	HEC-6 Scour Depth, ft.
958.6	2.0	2.9	3.5
958.6	3.0	4.2	3.5
994.2	2.0	2.9	3.5
994.2	3.0	4.2	3.5
1,196.6	2.0	3.0	3.5
1,196.6	3.0	4.5	3.5
1,264.4	2.0	2.8	3.5
1,264.4	3.0	4.4	3.5
1,332.3	2.0	2.9	3.6
1,332.3	3.0	4.5	3.8

The HEC-6 computer model is only to be used to verify the local scour depths calculated by the Veronese Equation. The proposed drop structures will incorporate a 4' or 6' cutoff wall

dependent upon the vertical drop proposed. The actual Veronese calculations and the HEC-6 output are included in Appendix A to this report.

SEDIMENT TRANSPORT ANALYSIS

The sediment transport equations are used to determine the sediment transport capacity for a specific set of flow conditions. The first step in evaluating sediment transport capacity is to select one or more of the available equations for use in solving the given problem. Selection of an equation is dependent on the type of channel system to be analyzed, the material and goals of the analysis. The HEC-6 analysis is included in Appendix A and has been verified by using the procedure developed by Simons, Li and Fullerton in 1981 for estimating total bed-material discharge in sand-bed channels from power relationships (See Design Manual for Engineering Analysis of Fluvial Systems).

The HEC-6 sediment transport analysis resulted in a total transport volume from a 100 year - 24 hour storm event of 0.7 acre-feet or approximately 32,000 cubic feet. This value was verified by the Equilibrium Slope Analysis and is included in Appendix A with a total available sediment load in the channel of 31,928 cubic feet or 0.73 acre-feet of sediment. The channel has been revised to incorporate a sedimentation basin immediately east of the Flood Control District's property with a maximum depth of sediment of 1.5 feet and a capacity equal to the 0.73 acre-feet required.

APPENDIX A

Channel Design Parameters

31-Dec-96 | Las Sendas Phase II Roadways | 02:06 PM

Bottom Width, ft.	Side Slope	Depth, ft.	Channel Slope, %	Manning's N	Channel Area, sf.	Wetted Perimeter, ft.	Velocity, fps.	Discharge, cfs.	Froude Number (Hydraulic Depth)
24.0	4.0	3.3	0.340%	0.020	123.3	51.3	7.8	958.6	0.88
24.0	4.0	3.6	0.340%	0.024	140.4	54.0	6.8	958.6	0.74
24.0	4.0	4.2	0.340%	0.032	172.7	58.8	5.6	958.6	0.57
24.0	4.0	4.7	0.340%	0.040	202.9	63.0	4.7	958.6	0.46
24.0	4.0	3.6	0.258%	0.020	136.1	53.3	7.0	958.6	0.77
24.0	4.0	4.0	0.240%	0.024	159.1	56.9	6.0	958.6	0.63
24.0	4.0	4.0	0.420%	0.032	160.0	57.0	6.0	958.6	0.62
24.0	4.0	4.0	0.670%	0.040	158.8	56.8	6.0	958.6	0.63
24.0	4.0	3.4	0.340%	0.020	126.6	51.8	7.9	994.2	0.88
24.0	4.0	3.7	0.340%	0.024	144.2	54.6	6.9	994.2	0.74
24.0	4.0	4.3	0.340%	0.032	177.3	59.5	5.6	994.2	0.57
24.0	4.0	4.8	0.340%	0.040	208.3	63.7	4.8	994.2	0.46
24.0	4.0	3.7	0.250%	0.020	141.2	54.2	7.0	994.2	0.76
24.0	4.0	4.1	0.230%	0.024	165.9	57.8	6.0	994.2	0.62
24.0	4.0	4.1	0.410%	0.032	165.7	57.8	6.0	994.2	0.62
24.0	4.0	4.1	0.655%	0.040	164.4	57.6	6.0	994.2	0.63
24.0	4.0	3.7	0.340%	0.020	144.5	54.7	8.3	1,196.6	0.89
24.0	4.0	4.1	0.340%	0.024	164.7	57.7	7.3	1,196.6	0.75
24.0	4.0	4.7	0.340%	0.032	202.7	63.0	5.9	1,196.6	0.57
24.0	4.0	5.3	0.340%	0.040	238.4	67.6	5.0	1,196.6	0.47
24.0	4.0	4.2	0.215%	0.020	170.3	58.5	7.0	1,196.6	0.72
24.0	4.0	4.7	0.200%	0.024	199.4	62.5	6.0	1,196.6	0.59
24.0	4.0	4.7	0.360%	0.032	198.8	62.4	6.0	1,198.6	0.59
24.0	4.0	4.7	0.565%	0.040	198.5	62.4	6.0	1,198.6	0.59

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Channel Design Parameters

31-Dec-96 | Las Sendas Phase II Roadways | 02:06 PM

Bottom Width, ft.	Side Slope	Depth, ft.	Channel Slope, %	Manning's N	Channel Area, sf.	Wetted Perimeter, ft.	Velocity, fps.	Discharge, cfs.	Froude Number (Hydraulic Depth)
24.0	4.0	3.8	0.340%	0.020	150.3	55.5	8.4	1,264.4	0.89
24.0	4.0	4.2	0.340%	0.024	171.3	58.6	7.4	1,264.4	0.75
24.0	4.0	4.9	0.340%	0.032	211.0	64.1	6.0	1,264.4	0.58
24.0	4.0	5.4	0.340%	0.040	248.1	68.8	5.1	1,264.4	0.47
24.0	4.0	4.4	0.205%	0.020	180.3	59.9	7.0	1,264.4	0.71
24.0	4.0	4.8	0.195%	0.024	209.5	63.9	6.0	1,264.4	0.58
24.0	4.0	4.8	0.345%	0.032	209.8	63.9	6.0	1,264.4	0.58
24.0	4.0	4.8	0.545%	0.040	209.0	63.8	6.0	1,264.4	0.58
24.0	4.0	3.9	0.340%	0.020	156.0	56.4	8.5	1,332.3	0.90
24.0	4.0	4.3	0.340%	0.024	177.9	59.6	7.5	1,332.3	0.76
24.0	4.0	5.0	0.340%	0.032	219.1	65.1	6.1	1,332.3	0.58
24.0	4.0	5.6	0.340%	0.040	257.8	69.9	5.2	1,332.3	0.47
24.0	4.0	4.5	0.195%	0.020	190.7	61.3	7.0	1,332.3	0.69
24.0	4.0	5.0	0.185%	0.024	221.8	65.5	6.0	1,332.3	0.57
24.0	4.0	5.0	0.335%	0.032	220.3	65.3	6.0	1,332.3	0.57
24.0	4.0	5.0	0.510%	0.040	222.4	65.5	6.0	1,332.3	0.57

February 4, 1997
Scour Analysis
Veronese (1937) Equation

ds = Maximum depth of scour below streambed, ft
Q = Discharge, cfs
B = Bottom width, ft
z = Side slopes
K = 1.32 in-lb
Drop = Drop structure height, ft
Dcr = Critical depth, ft
Dn = Normal Depth, ft
Ht = Head from upstream reservoir to tailwater, ft {drop - (normal depth - critical depth)}
subcritical = drop - (normal depth - critical depth)
supercritical = drop
Wavg = Average channel width, ft
q = Design discharge per unit width, cfs/ft
dm = Downstream water depth, ft

Crit. depth
Normal Depth
avg chnl width
$\frac{958.6}{40.8} = \frac{Q}{W_{avg}} = 23.5$

Q (cfs)	B (ft)	z	K (in-lb)	Drop (ft)	Dcr (ft)	Dn (ft)	Ht (ft)	Wavg (ft)	q (cfs/ft)	dm (ft)	ds (ft)
958.6	24.0	4	1.32	2.0	3.09	4.20	0.9	40.8	23.5	4.20	2.9
958.6	24.0	4	1.32	3.0	3.09	4.20	1.9	40.8	23.5	4.20	4.2
994.2	24.0	4	1.32	2.0	3.21	4.30	0.9	41.2	24.1	4.30	2.9
994.2	24.0	4	1.32	3.0	3.21	4.30	1.9	41.2	24.1	4.30	4.2
1196.6	24.0	4	1.32	2.0	3.57	4.70	0.9	42.8	28.0	4.70	3.0
1196.6	24.0	4	1.32	3.0	3.57	4.70	1.9	42.8	28.0	4.70	4.5
1264.4	24.0	4	1.32	2.0	3.68	4.90	0.8	43.6	29.0	4.90	2.8
1264.4	24.0	4	1.32	3.0	3.68	4.90	1.8	43.6	29.0	4.90	4.4
1332.3	24.0	4	1.32	2.0	3.81	5.00	0.8	44.0	30.3	5.00	2.9
1332.3	24.0	4	1.32	3.0	3.81	5.00	1.8	44.0	30.3	5.00	4.5

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Riprap Design Parameters

05-Nov-96 | Las Sendas Phase II Roadways | 03:54 PM

Average Flow Depth, ft.	Average Velocity, fps.	Froude Number	Average Riprap Diameter, inches	Riprap Thickness, inches
3.7	9.3	0.73	6.1	18.3

Equations for sizing taken from Engineering Manual 1110-3-136, Drainage and Erosion Control Mobilization Construction by the Department of the Army Corps of Engineers.

Chute Design Parameters

05-Nov-96 | Las Sendas Phase II Roadways | 03:54 PM

Depth on Chute, ft.	Velocity on Chute, fps.	Froude Number (Chute Depth)	Depth of Jump, ft.	Depth at Outlet, ft.	Length of Basin, ft.	Dist.-Chute to Baffle, ft.	Width of Baffle, ft.	Width of End Baffle, ft.	Height of Basin, ft.	Height of End Sill, inches
2.4	**16.7**	1.90	4.48	3.63	12.80	4.27	1.80	0.90	5.12	3.05

LAS SENDAS PHASE II DRAINAGE CHANNEL

Subarea No.	Area, s.m.	Discharge, cfs	Width, ft.	Depth, ft.	Velocity, fps.	DWR Sediment Load, cfs	SCS Sediment Load, cfs	DWR Sediment Load, tons
Upstream	1.10	1,002.82	25	3	9.34	1.3328	1.3310	503.8
34	0.05	39.67	5	1	5.67	0.0605	0.0605	22.9
36	0.25	219.60	10	2	7.69	0.3024	0.3025	114.3
38	0.11	79.43	7	1	6.51	0.1333	0.1331	50.4
152	0.02	22.38	3	1	5.03	0.0242	0.0242	9.1
						0.5203	0.5203	196.7

Square miles

Subarea No.	Area, s.m.	Discharge, cfs	Width, ft.	Depth, ft.	Velocity, fps.	DWR Sediment Load, cfs	Equil. Slope, ft/ft.	DWR Sediment Load, tons
Equilibrium slope required to transport existing sediment volume below last retention basin.								
152W	0.43	1,332.33	24	4.34	7.42	0.5203	0.0092	196.7
152E	0.41	1,264.37	24	4.22	7.33	0.4961	0.0093	187.5
38	0.30	1,196.61	24	4.26	6.85	0.3630	0.0080	137.2
50	0.05	994.19	24	4.88	4.68	0.0605	0.0032	22.9
Sediment volume transported at design slope.								
152W	0.43	1,332.33	24	5.55	5.20	0.0952	0.0034	36.0
152E	0.41	1,264.37	24	5.43	5.09	0.0872	0.0034	33.0
38	0.30	1,196.61	24	5.30	5.00	0.0802	0.0034	30.3
50	0.05	994.19	24	4.80	4.79	0.0680	0.0034	25.7
Sediment volume transported at 2.5 fps average velocity.								
152W	0.43	1,332.33	24	8.92	2.50	0.0031	0.0005	1.2
152E	0.41	1,264.37	24	8.64	2.50	0.0031	0.0005	1.2
38	0.30	1,196.61	24	8.34	2.50	0.0031	0.0005	1.2
50	0.05	994.19	24	7.41	2.50	0.0031	0.0006	1.2
Equilibrium slope required to transport total existing sediment volume.								
152W	1.53	1,332.33	24	3.59	9.66	1.8513	0.0192	699.8
152E	1.51	1,264.37	24	3.47	9.61	1.8271	0.0197	690.6
38	1.40	1,196.61	24	3.38	9.43	1.6940	0.0196	640.3
50	1.15	994.19	24	3.06	8.97	1.3915	0.0198	526.0

Las Sendas Phase II Drainage Channel

Drop Structure Station	Drop Structure Elev.	Equil. Slope for 2.5 fps	Design Slope	Equil. Elev. for 2.5 fps	Design Elev.	Scour to Equil. Slope	Volume of Scour, c.f.
2900	81.30						
		0.0472%	0.3400%	81.37	81.78	0.41	590
3040	81.78						
		0.0472%	0.3400%	84.89	85.60	0.71	1,887
3282	85.59						
		0.0472%	0.3200%	87.63	87.88	0.25	206
3372	87.87						
		0.0472%	0.3200%	89.91	90.12	0.21	148
3450	90.11						
		0.0472%	0.3200%	92.17	92.53	0.35	468
3580	92.52						
		0.0472%	0.3200%	94.56	94.76	0.20	131
3654	94.75						
		0.0472%	0.3400%	96.81	97.13	0.33	362
3766	97.13						
		0.0472%	0.3400%	99.17	99.40	0.24	174
3847	99.40						
		0.0472%	0.3200%	101.43	101.65	0.22	153
3926	101.64						
		0.0472%	0.3200%	103.68	103.88	0.20	135
4001	103.88						
		0.0472%	0.3200%	105.97	106.53	0.55	1,216
4204	106.52						
		0.0472%	0.3400%	108.55	108.76	0.21	132
4276	108.76						
		0.0472%	0.3400%	110.83	111.31	0.48	830
4440	111.31						
			BOX CULVERT				
4607	117.78						
		0.0472%	0.3200%	117.93	118.77	0.84	2,906
4916	118.77						
		0.0472%	0.3400%	120.80	121.04	0.23	169
4996	121.03						
		0.0472%	0.3400%	123.07	123.31	0.24	184
5079	123.31						
		0.0472%	0.3400%	125.38	125.81	0.44	675
5228	125.81						
		0.0472%	0.3400%	127.87	128.25	0.38	494
5357	128.24						
		0.0472%	0.3400%	130.29	130.65	0.35	422
5477	130.64						
		0.0472%	0.3400%	132.69	132.98	0.29	281
5577	132.97						
			SOIL CEMENT CHANNEL				
6338	147.54						
		0.0488%	0.3400%	147.55	147.63	0.07	5
6364	147.61						

Las Sendas Phase II Drainage Channel

Drop Structure Station	Drop Structure Elev.	Equil. Slope for 2.5 fps	Design Slope	Equil. Elev. for 2.5 fps	Design Elev.	Scour to Equil. Slope	Volume of Scour, c.f.
		0.0488%	0.3400%	149.66	149.95	0.29	280
6464	149.94						
		0.0488%	0.3400%	152.16	153.44	1.28	6,457
6904	153.43						
		0.0509%	0.3400%	155.59	156.48	0.90	3,119
7214	156.48						
		0.0509%	0.3400%	158.60	159.33	0.72	1,995
7464	159.32						
		0.0509%	0.3400%	162.37	162.66	0.29	278
7564	162.65						
		0.0509%	0.3400%	164.78	165.50	0.72	1,995
7814	165.49						
		0.0509%	0.3400%	167.57	168.00	0.43	677
7964	168.00						
		0.0509%	0.3400%	170.10	170.68	0.58	1,249
8164	170.67						
		0.0509%	0.3400%	172.82	173.69	0.87	2,914
8464	173.68						
		0.0581%	0.3400%	175.74	176.02	0.28	271
8564	176.02						
		0.0581%	0.4500%	178.07	178.47	0.39	376
8664	178.46						
		0.0581%	0.4500%	180.52	180.91	0.39	376
8764	180.90						
		0.0581%	0.4500%	182.96	183.35	0.39	376
8864	183.34						

TOTAL VOLUME, c.f. = 31,928
TOTAL VOLUME, acre-feet = 0.73

THIS RUN EXECUTED 16DEC96 13:06:08

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HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991
****

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

HEC-6 ANALYSIS OF CHANNE

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	3555.000	.00	.00	.00	1592.40	1328.00	1596.20	1596.20	1597.63	78.93	10.04	148.78	149.48
*	3472.000	83.00	.00	.00	1592.20	1328.00	1596.00	1596.00	1597.43	78.41	10.02	149.13	149.97
*	3457.000	15.00	.00	.00	1592.10	1328.00	1595.90	1595.90	1597.33	78.58	10.03	149.02	149.81
*	3452.000	5.00	.00	.00	1592.10	1328.00	1595.89	1595.89	1597.31	109.53	10.50	148.44	126.89
*	3450.000	2.00	.00	.00	1590.10	1328.00	1592.62	1593.89	1596.73	517.10	17.40	86.07	58.40
*	3445.000	5.00	.00	.00	1590.10	1328.00	1593.21	1593.91	1595.61	235.51	13.49	113.22	86.54
*	3430.000	15.00	.00	.00	1590.00	1328.00	1593.11	1593.79	1595.51	235.51	13.49	113.22	86.54
*	3425.000	5.00	.00	.00	1590.00	1328.00	1593.16	1593.80	1595.49	161.88	12.73	115.81	104.38
*	3394.000	31.00	.00	.00	1590.00	1328.00	1593.80	1593.80	1595.23	78.82	10.04	148.86	149.58
*	3379.000	15.00	.00	.00	1589.90	1328.00	1593.70	1593.70	1595.13	78.44	10.02	149.11	149.94
*	3374.000	5.00	.00	.00	1589.90	1328.00	1593.69	1593.69	1595.11	109.47	10.50	148.46	126.92
*	3372.000	2.00	.00	.00	1587.90	1328.00	1590.42	1591.69	1594.53	517.10	17.40	86.07	58.40
	3367.000	5.00	.00	.00	1587.80	1328.00	1590.58	1591.59	1593.76	354.71	15.41	98.10	70.51
*	3352.000	15.00	.00	.00	1587.80	1328.00	1591.05	1591.59	1593.19	198.65	12.76	120.21	94.22
*	3347.000	5.00	.00	.00	1587.80	1328.00	1591.73	1591.73	1593.25	89.33	10.93	156.15	140.51
*	3304.000	43.00	.00	.00	1587.70	1328.00	1591.63	1591.63	1593.15	89.03	10.92	156.34	140.74
*	3289.000	15.00	.00	.00	1587.60	1328.00	1591.53	1591.53	1593.05	89.03	10.92	156.34	140.74

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	3284.000	5.00	.00	.00	1587.60	1328.00	1590.99	1591.40	1592.91	170.20	12.13	126.95	101.79
*	3282.000	2.00	.00	.00	1585.60	1328.00	1588.08	1589.40	1592.38	555.09	17.80	83.98	56.37
*	3277.000	5.00	.00	.00	1585.60	1328.00	1588.66	1589.39	1591.16	250.56	13.77	110.78	83.90
*	3262.000	15.00	.00	.00	1585.60	1328.00	1589.39	1589.39	1590.81	109.76	10.51	148.33	126.76
*	3257.000	5.00	.00	.00	1585.60	1328.00	1589.53	1589.53	1591.05	89.36	10.93	156.13	140.49
*	3063.000	194.00	.00	.00	1584.90	1328.00	1588.83	1588.83	1590.35	89.10	10.92	156.30	140.69
*	3048.000	15.00	.00	.00	1584.80	1328.00	1588.73	1588.73	1590.25	89.14	10.92	156.27	140.66
	3043.000	5.00	.00	.00	1584.80	1328.00	1588.19	1588.60	1590.11	170.17	12.13	126.95	101.80
*	3040.000	3.00	.00	.00	1581.80	1328.00	1584.09	1585.60	1589.35	749.10	19.60	75.74	48.52
	3035.000	5.00	.00	.00	1581.80	1328.00	1584.43	1585.59	1588.13	444.09	16.57	90.73	63.02
*	3020.000	15.00	.00	.00	1581.70	1328.00	1585.22	1585.50	1586.95	145.64	11.53	134.14	110.04
*	3015.000	5.00	.00	.00	1581.70	1328.00	1585.50	1585.50	1586.93	78.76	10.03	148.90	149.64
*	2900.000	105.00	.00	.00	1581.30	1328.00	1585.10	1585.10	1586.53	78.45	10.02	149.10	149.94

THIS RUN EXECUTED 30DEC96 10:48:47

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HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991
****

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

HEC-6 ANALYSIS OF CHANNE

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	2900.000	.00	.00	.00	1581.30	1332.33	1586.80	1585.10	1587.32	17.79	6.10	253.00	315.91
	3015.000	105.00	.00	.00	1581.70	1332.33	1586.98	1585.50	1587.56	20.93	6.45	238.69	291.24
	3020.000	5.00	.00	.00	1581.70	1332.33	1587.03	1585.50	1587.58	28.61	6.73	241.28	249.09
	3035.000	15.00	.00	.00	1581.80	1332.33	1587.06	1585.60	1587.63	30.03	6.84	237.06	243.13
	3040.000	5.00	.00	.00	1581.80	1332.33	1587.08	1585.60	1587.65	29.72	6.82	237.97	244.41
*	3043.000	3.00	.00	.00	1584.80	1332.33	1588.60	1588.60	1590.01	109.53	10.51	148.78	127.31
*	3048.000	5.00	.00	.00	1584.80	1332.33	1588.74	1588.74	1590.26	89.43	10.95	156.46	140.89
	3063.000	15.00	.00	.00	1584.90	1332.33	1589.33	1588.84	1590.45	57.14	9.47	184.74	176.25
	3257.000	194.00	.00	.00	1585.60	1332.33	1590.57	1589.54	1591.39	36.64	8.19	218.17	220.10
	3262.000	5.00	.00	.00	1585.60	1332.33	1590.89	1589.40	1591.45	29.30	6.79	239.19	246.14
	3277.000	15.00	.00	.00	1585.60	1332.33	1590.96	1589.40	1591.50	28.09	6.69	242.90	251.40
	3282.000	5.00	.00	.00	1585.60	1332.33	1590.98	1589.40	1591.52	27.62	6.65	244.39	253.52
*	3284.000	2.00	.00	.00	1587.60	1332.33	1591.40	1591.40	1592.81	109.72	10.52	148.69	127.20
*	3289.000	5.00	.00	.00	1587.60	1332.33	1591.54	1591.54	1593.06	89.36	10.95	156.50	140.94
	3304.000	15.00	.00	.00	1587.70	1332.33	1592.13	1591.64	1593.25	57.17	9.47	184.71	176.21
	3347.000	43.00	.00	.00	1587.80	1332.33	1592.61	1591.74	1593.50	41.43	8.52	208.35	207.00
	3352.000	5.00	.00	.00	1587.80	1332.33	1592.99	1591.60	1593.58	31.88	6.98	231.96	235.95

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	3367.000	15.00	.00	.00	1587.80	1332.33	1593.06	1591.60	1593.63	30.37	6.87	236.09	241.76
	3372.000	5.00	.00	.00	1587.90	1332.33	1593.06	1591.70	1593.66	32.19	7.00	231.15	234.83
*	3374.000	2.00	.00	.00	1589.90	1332.33	1593.70	1593.70	1595.11	108.69	10.49	149.19	127.79
*	3379.000	5.00	.00	.00	1589.90	1332.33	1594.16	1593.71	1595.22	50.22	8.65	174.86	188.01
	3394.000	15.00	.00	.00	1590.00	1332.33	1594.23	1593.81	1595.31	51.44	8.72	173.38	185.77
	3425.000	31.00	.00	.00	1590.00	1332.33	1594.66	1593.81	1595.49	35.05	7.67	198.62	225.06
	3430.000	5.00	.00	.00	1590.00	1332.33	1594.77	1593.80	1595.52	44.59	7.81	205.41	199.52
	3445.000	15.00	.00	.00	1590.10	1332.33	1594.83	1593.90	1595.60	46.15	7.90	202.87	196.11
	3450.000	5.00	.00	.00	1590.10	1332.33	1594.88	1593.90	1595.63	44.19	7.79	206.09	200.43
*	3452.000	2.00	.00	.00	1592.10	1332.33	1595.90	1595.90	1597.31	109.53	10.51	148.78	127.31
*	3457.000	5.00	.00	.00	1592.10	1332.33	1596.37	1595.91	1597.42	49.90	8.63	175.26	188.62
	3472.000	15.00	.00	.00	1592.20	1332.33	1596.44	1596.01	1597.51	51.12	8.70	173.76	186.34
	3555.000	83.00	.00	.00	1592.40	1332.33	1597.09	1596.21	1597.90	33.99	7.59	200.80	228.53
	3560.000	5.00	.00	.00	1592.40	1332.33	1597.19	1596.20	1597.94	43.59	7.75	207.10	201.79
	3575.000	15.00	.00	.00	1592.50	1332.33	1597.25	1596.30	1598.02	45.17	7.84	204.45	198.23
	3580.000	5.00	.00	.00	1592.50	1332.33	1597.29	1596.30	1598.04	44.08	7.78	206.26	200.66
*	3582.000	2.00	.00	.00	1594.50	1332.33	1598.30	1598.30	1599.71	109.65	10.52	148.72	127.24
*	3587.000	5.00	.00	.00	1594.50	1332.33	1598.77	1598.31	1599.82	49.84	8.63	175.33	188.73
	3602.000	15.00	.00	.00	1594.60	1332.33	1598.84	1598.41	1599.91	51.07	8.70	173.83	186.44
	3629.000	27.00	.00	.00	1594.70	1332.33	1599.08	1598.50	1600.06	45.02	8.34	181.74	198.56
	3634.000	5.00	.00	.00	1594.70	1332.33	1599.25	1598.50	1600.11	53.68	8.31	192.11	181.85
	3649.000	15.00	.00	.00	1594.80	1332.33	1599.32	1598.60	1600.20	55.18	8.38	190.20	179.35
	3654.000	5.00	.00	.00	1594.80	1332.33	1599.40	1598.60	1600.23	51.57	8.20	194.90	185.52
*	3656.000	2.00	.00	.00	1596.80	1332.33	1600.60	1600.60	1602.01	109.65	10.52	148.72	127.24
*	3661.000	5.00	.00	.00	1596.80	1332.33	1600.74	1600.74	1602.26	89.36	10.95	156.50	140.94
	3676.000	15.00	.00	.00	1596.90	1332.33	1601.33	1600.84	1602.45	57.17	9.47	184.71	176.21

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	3741.000	65.00	.00	.00	1597.00	1332.33	1602.00	1600.94	1602.80	35.67	8.12	220.38	223.07
	3746.000	5.00	.00	.00	1597.00	1332.33	1602.32	1600.80	1602.87	28.53	6.73	241.51	249.43
	3761.000	15.00	.00	.00	1597.10	1332.33	1602.36	1600.90	1602.92	30.04	6.84	237.03	243.09
	3766.000	5.00	.00	.00	1597.10	1332.33	1602.37	1600.91	1602.94	29.85	6.83	237.57	243.85
*	3768.000	2.00	.00	.00	1599.10	1332.33	1602.90	1602.90	1604.31	109.72	10.52	148.69	127.20
*	3773.000	5.00	.00	.00	1599.10	1332.33	1603.04	1603.04	1604.56	89.36	10.95	156.50	140.94
	3788.000	15.00	.00	.00	1599.20	1332.33	1603.63	1603.14	1604.75	57.17	9.47	184.71	176.21
	3822.000	34.00	.00	.00	1599.30	1332.33	1604.01	1603.24	1604.96	44.92	8.75	202.13	198.80
	3827.000	5.00	.00	.00	1599.30	1332.33	1604.43	1603.10	1605.04	33.43	7.09	228.01	230.44
	3842.000	15.00	.00	.00	1599.40	1332.33	1604.47	1603.20	1605.10	34.66	7.18	225.03	226.31
	3847.000	5.00	.00	.00	1599.40	1332.33	1604.49	1603.20	1605.12	34.40	7.16	225.65	227.16
*	3849.000	2.00	.00	.00	1601.40	1332.33	1605.20	1605.20	1606.61	109.18	10.50	148.95	127.51
*	3854.000	5.00	.00	.00	1601.40	1332.33	1605.34	1605.34	1606.86	89.36	10.95	156.50	140.94
	3869.000	15.00	.00	.00	1601.50	1332.33	1605.93	1605.44	1607.05	57.17	9.47	184.71	176.21
	3901.000	32.00	.00	.00	1601.50	1332.33	1606.40	1605.44	1607.25	38.67	8.33	213.80	214.25
	3906.000	5.00	.00	.00	1601.50	1332.33	1606.75	1605.30	1607.32	30.29	6.86	236.31	242.06
	3921.000	15.00	.00	.00	1601.60	1332.33	1606.79	1605.40	1607.38	31.57	6.96	232.80	237.14
	3926.000	5.00	.00	.00	1601.60	1332.33	1606.81	1605.41	1607.40	31.34	6.94	233.40	237.97
*	3928.000	2.00	.00	.00	1603.60	1332.33	1607.41	1607.41	1608.81	108.48	10.48	149.29	127.92
*	3933.000	5.00	.00	.00	1603.60	1332.33	1607.54	1607.54	1609.06	89.34	10.95	156.52	140.96
	3948.000	15.00	.00	.00	1603.70	1332.33	1608.13	1607.64	1609.25	57.14	9.47	184.75	176.26
	3976.000	28.00	.00	.00	1603.80	1332.33	1608.43	1607.74	1609.42	48.00	8.94	197.17	192.31
	3981.000	5.00	.00	.00	1603.80	1332.33	1608.88	1607.60	1609.51	34.61	7.18	225.14	226.46
	3996.000	15.00	.00	.00	1603.90	1332.33	1608.93	1607.70	1609.58	35.78	7.26	222.44	222.73
	4001.000	5.00	.00	.00	1603.90	1332.33	1608.95	1607.70	1609.59	35.51	7.24	223.06	223.57
*	4003.000	2.00	.00	.00	1605.90	1332.33	1609.70	1609.70	1611.11	109.38	10.51	148.86	127.39

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	4008.000	5.00	.00	.00	1605.90	1332.33	1610.17	1609.71	1611.22	49.78	8.62	175.40	188.83
	4023.000	15.00	.00	.00	1606.00	1332.33	1610.24	1609.81	1611.31	51.08	8.70	173.80	186.41
	4179.000	156.00	.00	.00	1606.40	1332.33	1611.23	1610.21	1611.98	30.13	7.29	209.58	242.71
	4184.000	5.00	.00	.00	1606.40	1332.33	1611.31	1610.20	1612.00	39.66	7.51	214.30	211.55
	4199.000	15.00	.00	.00	1606.50	1332.33	1611.36	1610.30	1612.08	41.24	7.61	211.29	207.46
	4204.000	5.00	.00	.00	1606.50	1332.33	1611.40	1610.30	1612.10	40.37	7.56	212.92	209.68
*	4206.000	2.00	.00	.00	1608.50	1332.33	1612.30	1612.30	1613.71	109.61	10.52	148.74	127.26
*	4211.000	5.00	.00	.00	1608.50	1332.33	1612.44	1612.44	1613.96	89.43	10.95	156.46	140.89
	4226.000	15.00	.00	.00	1608.60	1332.33	1613.03	1612.54	1614.15	57.14	9.47	184.74	176.25
	4251.000	25.00	.00	.00	1608.70	1332.33	1613.29	1612.64	1614.30	49.88	9.06	194.36	188.65
	4256.000	5.00	.00	.00	1608.70	1332.33	1613.76	1612.49	1614.40	35.25	7.22	223.66	224.41
	4271.000	15.00	.00	.00	1608.80	1332.33	1613.81	1612.60	1614.46	36.37	7.30	221.13	220.91
	4276.000	5.00	.00	.00	1608.80	1332.33	1613.83	1612.60	1614.48	36.10	7.28	221.73	221.74
*	4278.000	2.00	.00	.00	1610.80	1332.33	1614.60	1614.60	1616.01	109.53	10.51	148.78	127.31
*	4283.000	5.00	.00	.00	1610.80	1332.33	1614.74	1614.74	1616.26	89.43	10.95	156.46	140.89
	4298.000	15.00	.00	.00	1610.90	1332.33	1615.33	1614.84	1616.45	57.14	9.47	184.74	176.25
	4425.000	127.00	.00	.00	1611.30	1332.33	1616.26	1615.24	1617.08	36.87	8.20	217.66	219.42
	4435.000	10.00	.00	.00	1611.30	1332.33	1616.62	1615.10	1617.17	28.77	6.75	240.78	248.39
	4440.000	5.00	.00	.00	1611.30	1332.33	1616.36	1615.27	1617.58	15.56	8.86	150.34	337.74
	4560.000	120.00	.00	.00	1611.30	1332.33	1616.73	1615.27	1617.78	12.30	8.22	162.10	379.87
*	4578.000	18.00	.00	.00	1612.00	1332.33	1617.38	1615.80	1617.92	27.57	6.65	244.55	253.75
*	4587.000	9.00	.00	.00	1615.00	1332.33	1618.80	1618.80	1620.21	109.65	10.52	148.72	127.24
	4588.000	1.00	.00	.00	1615.00	1332.33	1619.32	1618.80	1620.31	65.49	8.87	178.83	164.63
*	4591.000	3.00	.00	.00	1614.00	1332.33	1620.06	1617.80	1620.44	16.88	5.64	292.53	324.29
	4592.000	1.00	.00	.00	1614.00	1332.33	1620.07	1617.80	1620.44	16.81	5.63	292.95	324.92
*	4604.000	12.00	.00	.00	1618.00	1332.33	1621.80	1621.80	1623.21	109.72	10.52	148.69	127.20

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	4607.000	3.00	.00	.00	1618.00	1332.33	1622.35	1621.80	1623.33	64.63	8.83	179.69	165.73
	4612.000	5.00	.00	.00	1618.00	1332.33	1622.28	1621.94	1623.50	64.81	9.86	176.29	165.50
	4627.000	15.00	.00	.00	1618.10	1332.33	1622.38	1622.04	1623.60	65.03	9.87	176.06	165.21
*	4704.000	77.00	.00	.00	1618.30	1332.33	1623.35	1622.11	1624.01	25.29	6.87	223.10	264.96
	4891.000	187.00	.00	.00	1618.90	1332.33	1623.83	1622.71	1624.53	27.81	7.10	215.65	252.64
	4896.000	5.00	.00	.00	1618.90	1332.33	1623.90	1622.70	1624.56	36.93	7.33	219.92	219.25
	4911.000	15.00	.00	.00	1619.00	1332.33	1623.95	1622.80	1624.63	38.50	7.44	216.62	214.72
	4916.000	5.00	.00	.00	1619.00	1332.33	1623.97	1622.80	1624.65	37.92	7.40	217.82	216.36
*	4918.000	2.00	.00	.00	1621.00	1332.33	1624.80	1624.80	1626.21	109.60	10.52	148.75	127.27
*	4923.000	5.00	.00	.00	1621.00	1332.33	1624.94	1624.94	1626.46	89.36	10.95	156.50	140.94
	4938.000	15.00	.00	.00	1621.10	1332.33	1625.53	1625.04	1626.65	57.17	9.47	184.71	176.21
	4971.000	33.00	.00	.00	1621.10	1332.33	1626.01	1625.04	1626.86	38.39	8.31	214.38	215.02
	4976.000	5.00	.00	.00	1621.10	1332.33	1626.36	1624.90	1626.93	30.14	6.85	236.73	242.67
	4991.000	15.00	.00	.00	1621.20	1332.33	1626.40	1625.00	1626.98	31.42	6.95	233.20	237.69
	4996.000	5.00	.00	.00	1621.20	1332.33	1626.42	1625.01	1627.00	31.20	6.93	233.78	238.51
*	4998.000	2.00	.00	.00	1623.20	1332.33	1627.01	1627.01	1628.41	108.45	10.48	149.31	127.94
*	5003.000	5.00	.00	.00	1623.20	1332.33	1627.14	1627.14	1628.66	89.33	10.95	156.52	140.96
	5018.000	15.00	.00	.00	1623.30	1332.33	1627.73	1627.24	1628.85	57.20	9.47	184.68	176.17
	5054.000	36.00	.00	.00	1623.40	1332.33	1628.14	1627.34	1629.07	43.97	8.69	203.75	200.93
	5059.000	5.00	.00	.00	1623.40	1332.33	1628.54	1627.20	1629.15	33.07	7.07	228.90	231.69
	5074.000	15.00	.00	.00	1623.50	1332.33	1628.58	1627.30	1629.21	34.31	7.16	225.85	227.45
	5079.000	5.00	.00	.00	1623.50	1332.33	1628.60	1627.30	1629.23	34.05	7.14	226.48	228.31
*	5081.000	2.00	.00	.00	1625.50	1332.33	1629.30	1629.30	1630.71	109.06	10.50	149.01	127.58
*	5086.000	5.00	.00	.00	1625.50	1332.33	1629.44	1629.44	1630.96	89.45	10.95	156.45	140.87
	5101.000	15.00	.00	.00	1625.60	1332.33	1630.03	1629.54	1631.15	57.09	9.46	184.81	176.33
	5203.000	102.00	.00	.00	1625.90	1332.33	1630.84	1629.84	1631.67	37.42	8.25	216.45	217.80

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	5584.000	5.00	.00	.00	1635.20	1332.33	1639.53	1639.00	1640.52	20.35	8.89	178.41	295.36
	5599.000	15.00	.00	.00	1635.30	1332.33	1639.53	1639.10	1640.59	22.08	9.14	173.27	283.57
	5652.000	53.00	.00	.00	1635.40	1332.33	1639.71	1639.19	1640.71	20.58	8.93	177.68	293.68
*	5657.000	5.00	.00	.00	1635.40	1332.33	1639.77	1639.20	1640.73	63.03	8.76	181.32	167.82
	5672.000	15.00	.00	.00	1635.50	1332.33	1639.86	1639.30	1640.83	63.43	8.78	180.91	167.29
	5677.000	5.00	.00	.00	1635.50	1332.33	1639.97	1639.30	1640.87	57.46	8.50	187.46	175.77
*	5679.000	2.00	.00	.00	1637.50	1332.33	1641.30	1641.30	1642.71	109.53	10.51	148.78	127.31
*	5684.000	5.00	.00	.00	1637.50	1332.33	1641.83	1641.30	1642.82	20.35	8.89	178.41	295.36
	5699.000	15.00	.00	.00	1637.60	1332.33	1641.83	1641.40	1642.89	22.08	9.14	173.27	283.57
	5752.000	53.00	.00	.00	1637.70	1332.33	1642.01	1641.49	1643.01	20.65	8.94	177.48	293.21
*	5757.000	5.00	.00	.00	1637.70	1332.33	1642.07	1641.50	1643.03	62.80	8.75	181.56	168.13
	5772.000	15.00	.00	.00	1637.80	1332.33	1642.17	1641.60	1643.13	63.27	8.77	181.07	167.50
	5777.000	5.00	.00	.00	1637.80	1332.33	1642.27	1641.60	1643.18	57.35	8.49	187.58	175.93
*	5779.000	2.00	.00	.00	1639.80	1332.33	1643.60	1643.60	1645.01	109.72	10.52	148.69	127.20
*	5784.000	5.00	.00	.00	1639.80	1332.33	1644.13	1643.60	1645.12	20.32	8.89	178.48	295.53
	5799.000	15.00	.00	.00	1639.90	1332.33	1644.14	1643.70	1645.19	22.05	9.13	173.33	283.71
	5834.000	35.00	.00	.00	1640.00	1332.33	1644.21	1643.80	1645.28	22.57	9.20	171.89	280.43
*	5839.000	5.00	.00	.00	1640.00	1332.33	1644.30	1643.79	1645.31	67.08	8.94	177.31	162.67
	5854.000	15.00	.00	.00	1640.10	1332.33	1644.40	1643.90	1645.41	67.21	8.95	177.18	162.51
	5859.000	5.00	.00	.00	1640.10	1332.33	1644.53	1643.90	1645.46	59.75	8.61	184.83	172.36
*	5861.000	2.00	.00	.00	1642.10	1332.33	1645.91	1645.91	1647.31	108.37	10.48	149.35	127.99
*	5866.000	5.00	.00	.00	1642.10	1332.33	1646.42	1645.90	1647.42	20.55	8.92	177.78	293.90
	5881.000	15.00	.00	.00	1642.20	1332.33	1646.42	1646.00	1647.48	22.27	9.16	172.71	282.30
	6052.000	171.00	.00	.00	1642.70	1332.33	1646.79	1646.49	1647.95	25.27	9.55	165.07	265.03
*	6057.000	5.00	.00	.00	1642.70	1332.33	1646.92	1646.50	1647.99	72.72	9.19	172.24	156.23
	6072.000	15.00	.00	.00	1642.80	1332.33	1647.07	1646.59	1648.10	69.51	9.05	175.05	159.80

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	6077.000	5.00	.00	.00	1642.80	1332.33	1647.22	1646.60	1648.15	60.23	8.63	184.30	171.67
*	6079.000	2.00	.00	.00	1644.80	1332.33	1648.61	1648.61	1650.01	108.57	10.48	149.25	127.87
*	6084.000	5.00	.00	.00	1644.80	1332.33	1649.12	1648.60	1650.12	20.48	8.91	177.99	294.39
	6099.000	15.00	.00	.00	1644.90	1332.33	1649.13	1648.70	1650.18	22.21	9.15	172.90	282.73
	6234.000	135.00	.00	.00	1645.30	1332.33	1649.41	1649.10	1650.55	24.67	9.48	166.49	268.22
*	6239.000	5.00	.00	.00	1645.30	1332.33	1649.57	1649.10	1650.59	68.66	9.01	175.83	160.80
	6254.000	15.00	.00	.00	1645.40	1332.33	1649.67	1649.20	1650.70	69.14	9.03	175.39	160.23
	6259.000	5.00	.00	.00	1645.40	1332.33	1649.81	1649.20	1650.75	60.58	8.65	183.92	171.17
*	6261.000	2.00	.00	.00	1647.40	1264.37	1651.08	1651.08	1652.47	110.80	10.37	142.75	120.12
*	6266.000	5.00	.00	.00	1647.40	1264.37	1651.61	1651.09	1652.57	20.48	8.76	171.42	279.36
	6281.000	15.00	.00	.00	1647.50	1264.37	1651.61	1651.19	1652.64	22.29	9.00	166.31	267.82
*	6338.000	57.00	.00	.00	1647.70	1264.37	1651.72	1651.52	1653.01	73.82	10.10	161.58	147.15
	6339.000	1.00	.00	.00	1647.70	1264.37	1651.72	1651.53	1653.02	74.15	10.12	161.31	146.83
	6344.000	5.00	.00	.00	1647.70	1264.37	1652.51	1651.38	1653.18	38.65	7.32	208.28	203.39
	6359.000	15.00	.00	.00	1647.80	1264.37	1652.57	1651.49	1653.25	40.26	7.42	205.23	199.28
	6364.000	5.00	.00	.00	1647.80	1264.37	1652.59	1651.48	1653.27	39.60	7.38	206.44	200.91
*	6366.000	2.00	.00	.00	1649.80	1264.37	1653.48	1653.48	1654.87	110.86	10.37	142.73	120.09
*	6371.000	5.00	.00	.00	1649.80	1264.37	1653.62	1653.62	1655.11	90.25	10.78	150.03	133.09
	6386.000	15.00	.00	.00	1649.90	1264.37	1654.21	1653.72	1655.29	57.47	9.31	177.30	166.78
	6439.000	53.00	.00	.00	1650.00	1264.37	1654.77	1653.82	1655.59	38.49	8.17	205.93	203.81
	6444.000	5.00	.00	.00	1650.00	1264.37	1655.10	1653.68	1655.66	30.68	6.77	226.45	228.27
	6459.000	15.00	.00	.00	1650.10	1264.37	1655.14	1653.78	1655.72	31.99	6.87	223.02	223.53
	6464.000	5.00	.00	.00	1650.10	1264.37	1655.16	1653.79	1655.74	31.75	6.85	223.64	224.38
*	6466.000	2.00	.00	.00	1652.10	1264.37	1655.79	1655.79	1657.17	109.67	10.33	143.28	120.74
*	6471.000	5.00	.00	.00	1652.10	1264.37	1655.92	1655.92	1657.41	90.23	10.78	150.04	133.11
	6486.000	15.00	.00	.00	1652.20	1264.37	1656.51	1656.02	1657.59	57.47	9.31	177.30	166.78

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	6879.000	393.00	.00	.00	1653.50	1264.37	1658.58	1657.32	1659.28	30.50	7.57	224.73	228.95
	6884.000	5.00	.00	.00	1653.50	1264.37	1658.84	1657.20	1659.33	25.39	6.36	242.55	250.91
	6899.000	15.00	.00	.00	1653.60	1264.37	1658.87	1657.28	1659.38	26.63	6.46	238.38	244.99
	6904.000	5.00	.00	.00	1653.60	1264.37	1658.89	1657.28	1659.39	26.57	6.46	238.60	245.30
*	6906.000	2.00	.00	.00	1655.60	1196.61	1659.17	1659.17	1660.52	111.66	10.20	136.90	113.24
*	6911.000	5.00	.00	.00	1655.60	1196.61	1659.30	1659.30	1660.75	91.25	10.61	143.49	125.27
	6926.000	15.00	.00	.00	1655.70	1196.61	1659.88	1659.40	1660.93	57.75	9.15	169.89	157.47
	7189.000	263.00	.00	.00	1656.60	1196.61	1661.41	1660.30	1662.13	33.37	7.65	208.45	207.14
	7194.000	5.00	.00	.00	1656.60	1196.61	1661.69	1660.18	1662.19	27.66	6.43	225.91	227.52
	7209.000	15.00	.00	.00	1656.70	1196.61	1661.72	1660.27	1662.24	29.14	6.54	221.67	221.66
	7214.000	5.00	.00	.00	1656.70	1196.61	1661.74	1660.27	1662.26	28.95	6.52	222.22	222.41
*	7216.000	2.00	.00	.00	1658.70	1196.61	1662.27	1662.27	1663.62	112.18	10.21	136.68	112.98
*	7221.000	5.00	.00	.00	1658.70	1196.61	1662.40	1662.40	1663.85	91.26	10.61	143.48	125.26
*	7236.000	15.00	.00	.00	1658.70	1196.61	1663.18	1662.40	1664.05	44.26	8.39	187.56	179.86
	7439.000	203.00	.00	.00	1659.40	1196.61	1664.17	1663.06	1664.86	32.81	7.55	214.34	208.92
	7444.000	5.00	.00	.00	1659.40	1196.61	1664.44	1662.93	1664.92	27.03	6.31	231.87	230.16
	7459.000	15.00	.00	.00	1659.50	1196.61	1664.45	1663.07	1665.00	30.93	6.67	216.94	215.16
	7464.000	5.00	.00	.00	1659.50	1196.61	1664.47	1663.07	1665.02	30.56	6.64	217.88	216.45
*	7467.000	3.00	.00	.00	1662.50	1196.61	1666.07	1666.07	1667.42	112.16	10.21	136.68	112.99
*	7472.000	5.00	.00	.00	1662.50	1196.61	1666.20	1666.20	1667.65	91.25	10.61	143.49	125.27
	7487.000	15.00	.00	.00	1662.60	1196.61	1666.78	1666.30	1667.83	57.75	9.15	169.89	157.47
	7539.000	52.00	.00	.00	1662.80	1196.61	1667.23	1666.50	1668.13	46.01	8.50	184.87	176.41
	7544.000	5.00	.00	.00	1662.70	1196.61	1667.68	1666.27	1668.22	30.20	6.62	218.83	217.75
	7559.000	15.00	.00	.00	1662.80	1196.61	1667.72	1666.37	1668.28	31.42	6.71	215.71	213.47
	7564.000	5.00	.00	.00	1662.80	1196.61	1667.74	1666.38	1668.29	31.26	6.69	216.12	214.03
*	7566.000	2.00	.00	.00	1664.80	1196.61	1668.37	1668.37	1669.72	112.25	10.22	136.64	112.94

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	7571.000	5.00	.00	.00	1664.80	1196.61	1668.50	1668.50	1669.95	91.25	10.61	143.49	125.27
	7586.000	15.00	.00	.00	1664.90	1196.61	1669.08	1668.60	1670.13	57.75	9.15	169.89	157.47
	7789.000	203.00	.00	.00	1665.60	1196.61	1670.35	1669.30	1671.09	35.17	7.78	204.39	201.78
	7794.000	5.00	.00	.00	1665.60	1196.61	1670.64	1669.17	1671.16	28.68	6.50	222.95	223.43
	7809.000	15.00	.00	.00	1665.70	1196.61	1670.67	1669.27	1671.21	30.23	6.62	218.75	217.64
	7814.000	5.00	.00	.00	1665.70	1196.61	1670.69	1669.27	1671.23	30.02	6.60	219.31	218.42
*	7816.000	2.00	.00	.00	1667.70	1196.61	1671.27	1671.27	1672.62	112.18	10.21	136.68	112.98
*	7821.000	5.00	.00	.00	1667.70	1196.61	1671.40	1671.40	1672.85	91.26	10.61	143.48	125.26
	7836.000	15.00	.00	.00	1667.80	1196.61	1671.98	1671.50	1673.03	57.80	9.15	169.83	157.40
	7939.000	103.00	.00	.00	1668.10	1196.61	1672.79	1671.80	1673.56	37.14	7.92	200.26	196.35
	7944.000	5.00	.00	.00	1668.10	1196.61	1673.09	1671.67	1673.62	29.66	6.58	220.27	219.74
	7959.000	15.00	.00	.00	1668.20	1196.61	1673.13	1671.77	1673.68	31.27	6.69	216.08	213.98
	7964.000	5.00	.00	.00	1668.20	1196.61	1673.15	1671.78	1673.70	31.05	6.68	216.63	214.73
*	7966.000	2.00	.00	.00	1670.20	1196.61	1673.77	1673.77	1675.12	112.25	10.22	136.64	112.94
*	7971.000	5.00	.00	.00	1670.20	1196.61	1673.90	1673.90	1675.35	91.25	10.61	143.49	125.27
	7986.000	15.00	.00	.00	1670.30	1196.61	1674.48	1674.00	1675.53	57.82	9.15	169.81	157.36
	8139.000	153.00	.00	.00	1670.80	1196.61	1675.52	1674.50	1676.28	36.03	7.85	202.55	199.35
	8144.000	5.00	.00	.00	1670.80	1196.61	1675.82	1674.37	1676.34	29.09	6.53	221.81	221.85
	8159.000	15.00	.00	.00	1670.90	1196.61	1675.86	1674.47	1676.40	30.66	6.65	217.64	216.12
	8164.000	5.00	.00	.00	1670.90	1196.61	1675.88	1674.47	1676.42	30.45	6.63	218.18	216.86
*	8166.000	2.00	.00	.00	1672.90	1196.61	1676.47	1676.47	1677.82	112.18	10.21	136.68	112.98
*	8171.000	5.00	.00	.00	1672.90	1196.61	1676.60	1676.60	1678.05	91.26	10.61	143.48	125.26
	8186.000	15.00	.00	.00	1673.00	1196.61	1677.18	1676.70	1678.23	57.77	9.15	169.87	157.44
*	8439.000	253.00	.00	.00	1673.50	1196.61	1678.66	1677.20	1679.26	25.51	7.01	230.58	236.90
	8444.000	5.00	.00	.00	1673.50	1196.61	1678.87	1677.07	1679.30	22.34	5.98	244.16	253.19
	8459.000	15.00	.00	.00	1673.60	1196.61	1678.89	1677.17	1679.34	23.49	6.08	239.74	246.92

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	8464.000	5.00	.00	.00	1673.60	1196.61	1678.91	1677.17	1679.36	23.42	6.08	239.98	247.25
*	8466.000	2.00	.00	.00	1675.60	994.19	1678.81	1678.81	1680.05	116.55	9.70	118.28	92.09
*	8471.000	5.00	.00	.00	1675.60	994.19	1678.92	1678.92	1680.24	94.77	10.05	123.57	102.13
	8486.000	15.00	.00	.00	1675.70	994.19	1679.47	1679.02	1680.42	58.75	8.62	147.21	129.71
	8539.000	53.00	.00	.00	1675.80	994.19	1680.01	1679.12	1680.72	38.55	7.52	172.02	160.13
	8544.000	5.00	.00	.00	1675.80	994.19	1680.28	1679.01	1680.78	31.50	6.31	188.51	177.14
	8559.000	15.00	.00	.00	1675.90	994.19	1680.32	1679.11	1680.84	33.27	6.42	184.83	172.36
	8564.000	5.00	.00	.00	1675.90	994.19	1680.34	1679.12	1680.86	32.98	6.40	185.43	173.13
*	8566.000	2.00	.00	.00	1677.90	994.19	1681.12	1681.12	1682.35	115.12	9.66	118.80	92.66
*	8571.000	5.00	.00	.00	1677.90	994.19	1681.22	1681.22	1682.54	94.77	10.05	123.57	102.13
	8586.000	15.00	.00	.00	1678.00	994.19	1681.77	1681.32	1682.72	58.75	8.62	147.21	129.71
	8639.000	53.00	.00	.00	1678.20	994.19	1682.23	1681.52	1683.03	45.74	7.95	161.45	147.00
	8644.000	5.00	.00	.00	1678.20	994.19	1682.56	1681.41	1683.10	35.59	6.57	180.41	166.65
	8659.000	15.00	.00	.00	1678.30	994.19	1682.60	1681.52	1683.16	37.04	6.66	177.83	163.35
	8664.000	5.00	.00	.00	1678.30	994.19	1682.63	1681.51	1683.18	36.66	6.63	178.51	164.21
*	8666.000	2.00	.00	.00	1680.30	994.19	1683.51	1683.51	1684.75	116.04	9.68	118.47	92.29
*	8671.000	5.00	.00	.00	1680.30	994.19	1683.62	1683.62	1684.94	94.78	10.05	123.56	102.12
	8686.000	15.00	.00	.00	1680.40	994.19	1684.17	1683.72	1685.12	58.76	8.62	147.19	129.69
	8739.000	53.00	.00	.00	1680.70	994.19	1684.51	1684.02	1685.43	56.48	8.51	149.36	132.29
	8744.000	5.00	.00	.00	1680.70	994.19	1684.94	1683.91	1685.52	39.86	6.82	173.21	157.47
	8759.000	15.00	.00	.00	1680.80	994.19	1684.99	1684.01	1685.59	40.98	6.88	171.50	155.30
	8764.000	5.00	.00	.00	1680.80	994.19	1685.02	1684.01	1685.61	40.54	6.86	172.17	156.14
*	8766.000	2.00	.00	.00	1682.80	994.19	1686.01	1686.01	1687.25	116.42	9.70	118.33	92.14
*	8771.000	5.00	.00	.00	1682.80	994.19	1686.12	1686.12	1687.44	94.70	10.05	123.60	102.16
	8786.000	15.00	.00	.00	1682.90	994.19	1686.67	1686.22	1687.62	58.79	8.62	147.17	129.66
	8839.000	53.00	.00	.00	1683.10	994.19	1687.13	1686.42	1687.93	45.78	7.95	161.40	146.93

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	8844.000	5.00	.00	.00	1683.10	994.19	1687.46	1686.31	1688.00	35.58	6.57	180.43	166.67
	8859.000	15.00	.00	.00	1683.20	994.19	1687.51	1686.42	1688.06	37.03	6.65	177.86	163.39
	8864.000	5.00	.00	.00	1683.20	994.19	1687.53	1686.41	1688.08	36.64	6.63	178.53	164.25
*	8866.000	2.00	.00	.00	1685.20	994.19	1688.42	1688.42	1689.65	115.91	9.68	118.52	92.34
*	8871.000	5.00	.00	.00	1685.20	994.19	1688.52	1688.52	1689.84	94.69	10.05	123.61	102.17
	8886.000	15.00	.00	.00	1685.30	994.19	1689.07	1688.62	1690.02	58.69	8.62	147.26	129.77
	8901.000	15.00	.00	.00	1685.40	994.19	1689.16	1688.72	1690.11	59.25	8.64	146.75	129.16
	8906.000	5.00	.00	.00	1685.40	994.19	1689.61	1688.62	1690.21	40.84	6.87	171.71	155.57
	8921.000	15.00	.00	.00	1685.50	994.19	1689.67	1688.71	1690.28	41.80	6.93	170.29	153.78
	8926.000	5.00	.00	.00	1685.50	994.19	1689.70	1688.71	1690.30	41.34	6.90	170.96	154.63
*	8959.000	33.00	.00	.00	1693.80	994.19	1697.03	1697.03	1698.23	112.74	9.57	118.88	93.63

LAS SENDAS PHASE II - CHANNEL A - 12/27/96
TOTAL NUMBER OF STREAM SEGMENTS IN NETWORK 1
TOTAL NUMBER OF GRAIN SIZES IN THE MODEL 10

Hydraulic Parameters per cross section, Downstream to Upstream.

STREAM SEGMENT # 1

SECTION NO.	DISCHARGE	W.S. ELEV.	THALWEG ELEV	TOP WIDTH	VELOCITY
2900.00	1332.00	85.8000	81.3000	60.0000	7.04762
3020.00	1332.00	86.6597	81.7080	63.5251	6.15959
3025.00	1332.00	86.6906	81.7250	63.6883	6.12143
3030.00	1332.00	86.7165	81.7420	63.7832	6.10352
3043.00	1332.00	88.5342	84.7760	54.0564	22.4862
3048.00	1332.00	89.0510	84.7930	58.3323	7.54139
3053.00	1332.00	89.1280	84.8100	58.8807	7.37199
3058.00	1332.00	89.1524	84.8270	58.7019	7.42429
3063.00	1332.00	89.1865	84.8440	58.7698	7.40771
3068.00	1332.00	89.2226	84.8610	58.8478	7.38245
3073.00	1332.00	89.2640	84.8780	58.9945	7.33682
3078.00	1332.00	89.3081	84.8950	59.1853	7.27862
3083.00	1332.00	89.3532	84.9120	59.4212	7.21360
3262.00	1332.00	90.5998	85.5210	64.4001	5.96791
3267.00	1332.00	90.6349	85.5380	64.7101	5.90041
3272.00	1332.00	90.6593	85.5550	64.8045	5.87914
3284.00	1332.00	91.3442	87.5890	54.0393	19.9325
3289.00	1332.00	91.8759	87.6060	58.4576	7.49850
3294.00	1332.00	91.9499	87.6230	59.0017	7.33750
3299.00	1332.00	91.9727	87.6400	58.7741	7.40413
3304.00	1332.00	92.0064	87.6570	58.8225	7.38781
3309.00	1332.00	92.0416	87.6740	58.9099	7.36552
3314.00	1332.00	92.0819	87.6910	59.0474	7.32278
3319.00	1332.00	92.1252	87.7080	59.2307	7.26695
3324.00	1332.00	92.1691	87.7250	59.4333	7.20619
3332.00	1332.00	92.2336	87.7520	59.7293	7.12506
3337.00	1332.00	92.2763	87.7690	59.9462	7.06216
3342.00	1332.00	92.3164	87.7860	60.1414	7.00610
3347.00	1332.00	92.3544	87.8030	60.3385	6.95556
3352.00	1332.00	92.3966	87.8200	60.4922	6.91206
3357.00	1332.00	92.4437	87.8370	60.7308	6.84624
3362.00	1332.00	92.4900	87.8540	60.9939	6.78017
3374.00	1332.00	93.6153	89.8880	53.8142	20.3686
3379.00	1332.00	94.1903	89.9050	58.5827	7.45950
3384.00	1332.00	94.2413	89.9220	58.8524	7.38166
3389.00	1332.00	94.2660	89.9390	58.6806	7.43191
3394.00	1332.00	94.3026	89.9560	58.7598	7.40617
3399.00	1332.00	94.3415	89.9730	58.8902	7.37085
3404.00	1332.00	94.3843	89.9900	59.0579	7.31911
3409.00	1332.00	94.4289	90.0070	59.2585	7.25824
3414.00	1332.00	94.4739	90.0240	59.4966	7.19287
3430.00	1332.00	94.6150	90.0780	59.9378	7.06395
3435.00	1332.00	94.6824	90.0950	60.4271	6.92708
3440.00	1332.00	94.7420	90.1120	60.8696	6.81192
3452.00	1332.00	95.8740	92.1460	53.8152	20.3527
3457.00	1332.00	96.4491	92.1630	58.6066	7.45677
3462.00	1332.00	96.4996	92.1800	58.8508	7.38098
3467.00	1332.00	96.5242	92.1970	58.6761	7.43214
3472.00	1332.00	96.5615	92.2140	58.7832	7.40367
3477.00	1332.00	96.6002	92.2310	58.8927	7.36896
3482.00	1332.00	96.6427	92.2480	59.0575	7.31809
3487.00	1332.00	96.6871	92.2650	59.2560	7.25787
3492.00	1332.00	96.7320	92.2820	59.4927	7.19289
3560.00	1332.00	97.3214	92.5130	62.3355	6.44072
3565.00	1332.00	97.3609	92.5300	62.5840	6.37939
3570.00	1332.00	97.3934	92.5470	62.7212	6.34526
3582.00	1332.00	98.3248	94.5810	53.9526	20.1840
3587.00	1332.00	98.8764	94.5980	58.5426	7.47351
3592.00	1332.00	98.9240	94.6150	58.7494	7.40874
3597.00	1332.00	98.9492	94.6320	58.6031	7.45727
3602.00	1332.00	98.9867	94.6490	58.6893	7.42927
3607.00	1332.00	99.0260	94.6660	58.8027	7.39320
3612.00	1332.00	99.0701	94.6830	59.0004	7.33790
3617.00	1332.00	99.1158	94.7000	59.2118	7.27363
3622.00	1332.00	99.1611	94.7170	59.4315	7.20782
3634.00	1332.00	99.2704	94.7580	59.8051	7.10137
3639.00	1332.00	99.3346	94.7750	60.2351	6.97967
3644.00	1332.00	99.3935	94.7920	60.6473	6.87124

3656.00	1332.00	100.570	96.8260	53.9464	20.3768
3661.00	1332.00	101.130	96.8420	58.6560	7.44110
3666.00	1332.00	101.176	96.8580	58.8403	7.38302
3671.00	1332.00	101.201	96.8740	58.6824	7.43423
3676.00	1332.00	101.238	96.8900	58.7757	7.40365
3681.00	1332.00	101.278	96.9060	58.8959	7.36517
3686.00	1332.00	101.323	96.9220	59.1013	7.30737
3691.00	1332.00	101.368	96.9380	59.3202	7.24075
3696.00	1332.00	101.415	96.9540	59.5740	7.17058
3746.00	1332.00	101.426	97.1140	58.6573	7.44188
3751.00	1332.00	101.487	97.1300	58.9460	7.35243
3756.00	1332.00	101.532	97.1460	59.0479	7.31981
3768.00	1332.00	102.937	99.1780	54.0702	20.6024
3773.00	1332.00	103.413	99.1940	57.8804	7.68474
3778.00	1332.00	103.503	99.2100	58.5299	7.47857
3783.00	1332.00	103.534	99.2260	58.5308	7.47599
3788.00	1332.00	103.567	99.2420	58.5791	7.46460
3793.00	1332.00	103.608	99.2580	58.7088	7.42278
3798.00	1332.00	103.655	99.2740	58.9365	7.35755
3803.00	1332.00	103.704	99.2900	59.1785	7.28342
3808.00	1332.00	103.752	99.3060	59.4256	7.20897
3827.00	1332.00	103.944	99.3670	60.3481	6.94973
3832.00	1332.00	104.004	99.3830	60.7846	6.83505
3837.00	1332.00	104.056	99.3990	61.1212	6.74422
3849.00	1332.00	105.184	101.431	54.0224	20.3260
3854.00	1332.00	105.732	101.447	58.6282	7.44673
3859.00	1332.00	105.776	101.463	58.8152	7.39343
3864.00	1332.00	105.801	101.479	58.6319	7.44674
3869.00	1332.00	105.839	101.495	58.7290	7.41492
3874.00	1332.00	105.880	101.511	58.8780	7.37339
3879.00	1332.00	105.925	101.527	59.0646	7.31541
3884.00	1332.00	105.971	101.543	59.3107	7.24632
3889.00	1332.00	106.017	101.559	59.5440	7.17645
3906.00	1332.00	106.168	101.613	60.0685	7.03013
3911.00	1332.00	106.237	101.629	60.5920	6.88454
3916.00	1332.00	106.297	101.645	61.0249	6.76733
3928.00	1332.00	107.428	103.677	53.9991	20.3204
3933.00	1332.00	107.979	103.693	58.6471	7.44441
3938.00	1332.00	108.024	103.709	58.8170	7.39061
3943.00	1332.00	108.048	103.725	58.6323	7.44433
3948.00	1332.00	108.087	103.741	58.7558	7.41024
3953.00	1332.00	108.128	103.757	58.8830	7.36961
3958.00	1332.00	108.172	103.773	59.0929	7.31039
3963.00	1332.00	108.219	103.789	59.3150	7.24284
3968.00	1332.00	108.264	103.805	59.5435	7.17439
3981.00	1332.00	108.382	103.847	59.9594	7.05736
3986.00	1332.00	108.447	103.863	60.4393	6.92802
3991.00	1332.00	108.505	103.879	60.8397	6.81830
4003.00	1332.00	109.681	105.911	54.1612	20.3400
4008.00	1332.00	110.136	105.927	57.7789	7.71324
4013.00	1332.00	110.226	105.943	58.4327	7.51025
4018.00	1332.00	110.259	105.959	58.4598	7.49957
4023.00	1332.00	110.294	105.975	58.5060	7.48304
4028.00	1332.00	110.337	105.991	58.6738	7.43511
4033.00	1332.00	110.385	106.007	58.8897	7.36759
4038.00	1332.00	110.435	106.023	59.1631	7.28964
4043.00	1332.00	110.483	106.039	59.4198	7.21234
4184.00	1332.00	111.526	106.490	63.9603	6.06329
4189.00	1332.00	111.568	106.506	64.3763	5.97075
4194.00	1332.00	111.596	106.522	64.5666	5.93269
4206.00	1332.00	112.295	108.554	53.9388	19.9501
4211.00	1332.00	112.842	108.570	58.4614	7.49964
4216.00	1332.00	112.920	108.586	59.0334	7.32411
4221.00	1332.00	112.944	108.602	58.8515	7.38191
4226.00	1332.00	112.977	108.618	58.8941	7.36685
4231.00	1332.00	113.013	108.634	58.9912	7.34121
4236.00	1332.00	113.054	108.650	59.1408	7.29456
4241.00	1332.00	113.098	108.666	59.3351	7.23528
4246.00	1332.00	113.142	108.682	59.5742	7.16941
4256.00	1332.00	113.235	108.714	59.9201	7.07221
4261.00	1332.00	113.297	108.730	60.3222	6.95842
4266.00	1332.00	113.353	108.746	60.6882	6.85711
4278.00	1332.00	114.529	110.778	54.0029	20.3668
4283.00	1332.00	115.082	110.794	58.6686	7.43844
4288.00	1332.00	115.125	110.810	58.8281	7.38782
4293.00	1332.00	115.150	110.826	58.6379	7.44322
4298.00	1332.00	115.189	110.842	58.7632	7.40858

4303.00	1332.00	115.229	110.858	58.8899	7.36811
4308.00	1332.00	115.274	110.874	59.0991	7.30913
4313.00	1332.00	115.320	110.890	59.3204	7.24180
4318.00	1332.00	115.366	110.906	59.5484	7.17353
4415.00	1332.00	115.983	111.217	61.8741	6.55117
4420.00	1332.00	116.023	111.233	62.2078	6.47181
4425.00	1332.00	116.053	111.249	62.3766	6.42876
4430.00	1332.00	116.078	111.265	62.4636	6.40580
4435.00	1332.00	116.107	111.281	62.5464	6.38888
4440.00	1332.00	115.764	111.297	29.3592	11.1802
4560.00	1332.00	116.048	111.680	29.2195	11.5079
4578.00	1332.00	118.289	111.738	76.0000	4.05939
4604.00	1332.00	121.472	117.738	53.8645	22.2223
4607.00	1332.00	122.035	117.738	58.6539	7.43947
4612.00	1332.00	122.085	117.755	58.8916	7.36591
4617.00	1332.00	122.110	117.772	58.7687	7.40691
4622.00	1332.00	122.146	117.789	58.8440	7.38246
4627.00	1332.00	122.184	117.806	58.9520	7.34838
4632.00	1332.00	122.227	117.823	59.1417	7.29597
4637.00	1332.00	122.271	117.840	59.3422	7.23546
4642.00	1332.00	122.315	117.857	59.5496	7.17373
4647.00	1332.00	122.358	117.874	59.7779	7.11236
4896.00	1332.00	123.901	118.721	65.3913	5.76040
4901.00	1332.00	123.925	118.738	65.5031	5.73640
4906.00	1332.00	123.943	118.755	65.4961	5.73649
4918.00	1332.00	124.535	120.789	53.9656	19.8543
4923.00	1332.00	125.073	120.806	58.4071	7.51411
4928.00	1332.00	125.151	120.823	58.9901	7.34097
4933.00	1332.00	125.174	120.840	58.7855	7.40068
4938.00	1332.00	125.207	120.857	58.8260	7.38675
4943.00	1332.00	125.242	120.874	58.9144	7.36416
4948.00	1332.00	125.283	120.891	59.0536	7.32095
4953.00	1332.00	125.326	120.908	59.2378	7.26488
4958.00	1332.00	125.370	120.925	59.4406	7.20408
4976.00	1332.00	125.527	120.986	59.9310	7.06478
4981.00	1332.00	125.598	121.003	60.4856	6.91544
4986.00	1332.00	125.659	121.020	60.9291	6.79516
4998.00	1332.00	126.791	123.054	53.9043	20.3393
5003.00	1332.00	127.355	123.071	58.6010	7.45732
5008.00	1332.00	127.402	123.088	58.8043	7.39386
5013.00	1332.00	127.426	123.105	58.6203	7.44799
5018.00	1332.00	127.464	123.122	58.7349	7.41713
5023.00	1332.00	127.504	123.139	58.8487	7.38105
5028.00	1332.00	127.547	123.156	59.0172	7.32895
5033.00	1332.00	127.592	123.173	59.2464	7.26515
5038.00	1332.00	127.637	123.190	59.4654	7.19968
5059.00	1332.00	127.842	123.261	60.3846	6.94186
5064.00	1332.00	127.901	123.278	60.7906	6.83082
5069.00	1332.00	127.952	123.295	61.1150	6.74375
5081.00	1332.00	129.079	125.329	53.9973	20.3364
5086.00	1332.00	129.629	125.346	58.6110	7.45142
5091.00	1332.00	129.673	125.363	58.7936	7.39994
5096.00	1332.00	129.698	125.380	58.6016	7.45658
5101.00	1332.00	129.736	125.397	58.6963	7.42601
5106.00	1332.00	129.776	125.414	58.8342	7.38828
5111.00	1332.00	129.819	125.431	59.0078	7.33456
5116.00	1332.00	129.864	125.448	59.2141	7.27183
5121.00	1332.00	129.909	125.465	59.4303	7.20707
5208.00	1332.00	130.630	125.761	62.8443	6.31813
5213.00	1332.00	130.666	125.778	63.0570	6.26693
5218.00	1332.00	130.695	125.795	63.1570	6.24231
5230.00	1332.00	131.579	127.829	53.9953	20.1355
5235.00	1332.00	132.123	127.846	58.5291	7.47650
5240.00	1332.00	132.196	127.863	59.0724	7.31647
5245.00	1332.00	132.218	127.880	58.8213	7.38986
5250.00	1332.00	132.252	127.897	58.8715	7.37306
5255.00	1332.00	132.286	127.914	58.9518	7.35296
5260.00	1332.00	132.326	127.931	59.0823	7.31242
5265.00	1332.00	132.368	127.948	59.2599	7.25839
5270.00	1332.00	132.412	127.965	59.4579	7.19906
5337.00	1332.00	132.996	128.193	62.2833	6.45340
5342.00	1332.00	133.036	128.210	62.5381	6.39039
5347.00	1332.00	133.069	128.227	62.6803	6.35497
5359.00	1332.00	134.000	130.261	53.9166	20.1893
5364.00	1332.00	134.557	130.278	58.5366	7.47536
5369.00	1332.00	134.606	130.295	58.7609	7.40527
5374.00	1332.00	134.631	130.312	58.6188	7.45246

5379.00	1332.00	134.668	130.329	58.7019	7.42544
5384.00	1332.00	134.707	130.346	58.8139	7.38984
5389.00	1332.00	134.751	130.363	59.0103	7.33493
5394.00	1332.00	134.797	130.380	59.2207	7.27102
5399.00	1332.00	134.842	130.397	59.4394	7.20554
5457.00	1332.00	135.364	130.594	62.0188	6.51878
5462.00	1332.00	135.406	130.611	62.2868	6.45154
5467.00	1332.00	135.441	130.628	62.4460	6.41153
5479.00	1332.00	136.418	132.662	54.0561	20.2103
5484.00	1332.00	136.958	132.679	58.5797	7.46272
5489.00	1332.00	137.001	132.696	58.7299	7.41524
5494.00	1332.00	137.026	132.713	58.5670	7.46890
5499.00	1332.00	137.064	132.730	58.6633	7.43775
5504.00	1332.00	137.104	132.747	58.7803	7.40055
5509.00	1332.00	137.148	132.764	58.9802	7.34447
5514.00	1332.00	137.194	132.781	59.1939	7.27945
5519.00	1332.00	137.240	132.798	59.4159	7.21291
5557.00	1332.00	137.589	132.927	60.9077	6.79924
5562.00	1332.00	137.652	132.944	61.4473	6.66253
5567.00	1332.00	137.702	132.961	61.8057	6.57028
5579.00	1332.00	138.745	134.995	53.9866	20.2583
5584.00	1332.00	139.148	135.012	57.2454	7.89152
5589.00	1332.00	139.195	135.029	57.5939	7.77451
5594.00	1332.00	139.200	135.046	57.3357	7.85779
5599.00	1332.00	139.213	135.063	57.3101	7.87052
5604.00	1332.00	139.222	135.080	57.1844	7.91076
5609.00	1332.00	139.235	135.097	57.1518	7.91987
5614.00	1332.00	139.247	135.114	57.1010	7.94128
5619.00	1332.00	139.260	135.131	57.0664	7.95114
5657.00	1332.00	139.850	135.261	60.8963	6.80434
5662.00	1332.00	139.881	135.278	60.9168	6.79736
5667.00	1332.00	139.911	135.295	60.9131	6.79676
5679.00	1332.00	141.073	137.329	53.9485	20.4169
5684.00	1332.00	141.485	137.346	57.2627	7.88210
5689.00	1332.00	141.534	137.363	57.6428	7.76093
5694.00	1332.00	141.539	137.380	57.3822	7.84477
5699.00	1332.00	141.551	137.397	57.3291	7.86058
5704.00	1332.00	141.561	137.414	57.2292	7.89815
5709.00	1332.00	141.573	137.431	57.1916	7.90895
5714.00	1332.00	141.585	137.448	57.1187	7.93164
5719.00	1332.00	141.598	137.465	57.0823	7.94210
5757.00	1332.00	142.187	137.594	60.9518	6.79124
5762.00	1332.00	142.217	137.611	60.9569	6.78834
5767.00	1332.00	142.246	137.628	60.9427	6.79052
5779.00	1332.00	143.409	139.662	53.9786	20.4131
5784.00	1332.00	143.817	139.679	57.2659	7.88286
5789.00	1332.00	143.864	139.696	57.6119	7.76684
5794.00	1332.00	143.869	139.713	57.3687	7.85107
5799.00	1332.00	143.881	139.730	57.3180	7.86607
5804.00	1332.00	143.891	139.747	57.1920	7.90637
5809.00	1332.00	143.904	139.764	57.1822	7.91392
5814.00	1332.00	143.915	139.781	57.1050	7.93809
5819.00	1332.00	143.928	139.798	57.0732	7.94700
5839.00	1332.00	144.299	139.866	59.4967	7.18840
5844.00	1332.00	144.349	139.883	59.7214	7.12787
5849.00	1332.00	144.395	139.900	59.8838	7.08024
5861.00	1332.00	145.670	141.934	53.8949	20.5049
5866.00	1332.00	146.094	141.951	57.3065	7.87053
5871.00	1332.00	146.144	141.968	57.6803	7.74576
5876.00	1332.00	146.149	141.985	57.4113	7.83213
5881.00	1332.00	146.161	142.002	57.3829	7.84575
5886.00	1332.00	146.170	142.019	57.2533	7.88707
5891.00	1332.00	146.183	142.036	57.2192	7.89664
5896.00	1332.00	146.194	142.053	57.1666	7.91856
5901.00	1332.00	146.207	142.070	57.1308	7.92879
6057.00	1332.00	147.637	142.600	64.3287	5.98286
6062.00	1332.00	147.662	142.617	64.4115	5.96362
6067.00	1332.00	147.682	142.634	64.4063	5.96795
6079.00	1332.00	148.423	144.668	54.0346	19.9961
6084.00	1332.00	148.810	144.685	57.1321	7.92529
6089.00	1332.00	148.857	144.702	57.4935	7.80922
6094.00	1332.00	148.863	144.719	57.2576	7.88561
6099.00	1332.00	148.875	144.736	57.2052	7.90134
6104.00	1332.00	148.886	144.753	57.1149	7.93598
6109.00	1332.00	148.899	144.770	57.0777	7.94673
6114.00	1332.00	148.911	144.787	57.0095	7.96801
6119.00	1332.00	148.924	144.804	56.9993	7.97574

6239.00	1332.00	150.154	145.212	63.6891	6.12456
6244.00	1332.00	150.176	145.229	63.6707	6.12725
6249.00	1332.00	150.197	145.246	63.6031	6.14104
6261.00	1332.00	151.023	147.280	53.9479	20.0979
6266.00	1264.00	151.725	147.297	59.5257	6.81402
6271.00	1264.00	151.759	147.314	59.8950	6.71785
6276.00	1264.00	151.760	147.331	59.5295	6.81509
6281.00	1264.00	151.768	147.348	59.4600	6.83256
6286.00	1264.00	151.774	147.365	59.3014	6.87473
6291.00	1264.00	151.782	147.382	59.2589	6.89025
6296.00	1264.00	151.790	147.399	59.1557	6.91745
6301.00	1264.00	151.798	147.416	59.0842	6.93591
6344.00	1264.00	152.145	147.562	60.4244	6.57770
6349.00	1264.00	152.195	147.579	60.7814	6.48491
6354.00	1264.00	152.237	147.596	61.0310	6.42083
6366.00	1264.00	153.275	149.630	53.1594	19.9702
6371.00	1264.00	153.814	149.647	57.6853	7.34823
6376.00	1264.00	153.856	149.664	57.8480	7.30230
6381.00	1264.00	153.880	149.681	57.6559	7.35956
6386.00	1264.00	153.919	149.698	57.7542	7.32760
6391.00	1264.00	153.958	149.715	57.8692	7.29080
6396.00	1264.00	154.002	149.732	58.0657	7.23526
6401.00	1264.00	154.048	149.749	58.2762	7.17080
6406.00	1264.00	154.093	149.766	58.4946	7.10487
6444.00	1264.00	154.439	149.896	59.9621	6.69584
6449.00	1264.00	154.501	149.913	60.4899	6.56131
6454.00	1264.00	154.550	149.930	60.8385	6.47101
6466.00	1264.00	155.592	151.964	53.0338	19.9824
6471.00	1264.00	156.148	151.981	57.6706	7.35501
6476.00	1264.00	156.195	151.998	57.8682	7.29279
6481.00	1264.00	156.220	152.015	57.6869	7.34661
6486.00	1264.00	156.258	152.032	57.8019	7.31524
6491.00	1264.00	156.297	152.049	57.9179	7.27824
6496.00	1264.00	156.340	152.066	58.0879	7.22528
6501.00	1264.00	156.386	152.083	58.3169	7.16095
6506.00	1264.00	156.431	152.100	58.5351	7.09525
6884.00	1264.00	158.587	153.385	65.3374	5.47423
6889.00	1264.00	158.616	153.402	65.6818	5.41106
6894.00	1264.00	158.635	153.419	65.7252	5.40158
6906.00	1264.00	159.099	155.453	53.1720	19.4303
6911.00	1197.00	159.788	155.470	58.4172	6.75183
6916.00	1197.00	159.885	155.487	59.5385	6.44954
6921.00	1197.00	159.903	155.504	59.3443	6.50358
6926.00	1197.00	159.924	155.521	59.2847	6.51772
6931.00	1197.00	159.946	155.538	59.2738	6.51909
6936.00	1197.00	159.970	155.555	59.2957	6.51182
6941.00	1197.00	159.996	155.572	59.3722	6.49528
6946.00	1197.00	160.023	155.589	59.4399	6.47611
7194.00	1197.00	161.342	156.432	63.1343	5.61739
7199.00	1197.00	161.369	156.449	63.3284	5.57595
7204.00	1197.00	161.390	156.466	63.3744	5.56523
7216.00	1197.00	162.027	158.500	52.2126	19.3291
7221.00	1197.00	162.557	158.517	56.6163	7.28209
7226.00	1197.00	162.631	158.534	57.1663	7.11664
7231.00	1197.00	162.654	158.551	56.9360	7.18514
7236.00	1197.00	162.687	158.568	56.9844	7.16866
7241.00	1197.00	162.722	158.585	57.0447	7.14860
7246.00	1197.00	162.762	158.602	57.2008	7.10514
7251.00	1197.00	162.805	158.619	57.3839	7.04863
7256.00	1197.00	162.848	158.636	57.5841	6.98780
7444.00	1197.00	164.115	159.275	62.5356	5.74104
7449.00	1197.00	164.147	159.292	62.8082	5.68587
7454.00	1197.00	164.169	159.309	62.8702	5.67143
7467.00	1197.00	165.867	162.343	52.2002	21.7651
7472.00	1197.00	166.388	162.360	56.4763	7.32790
7477.00	1197.00	166.466	162.377	57.0429	7.15024
7482.00	1197.00	166.490	162.394	56.8882	7.20149
7487.00	1197.00	166.524	162.411	56.9267	7.18799
7492.00	1197.00	166.559	162.428	56.9989	7.16421
7497.00	1197.00	166.600	162.445	57.1416	7.11919
7502.00	1197.00	166.644	162.462	57.3540	7.05916
7507.00	1197.00	166.688	162.479	57.5635	6.99549
7544.00	1197.00	167.024	162.605	58.9745	6.59707
7549.00	1197.00	167.084	162.622	59.4897	6.46465
7554.00	1197.00	167.133	162.639	59.8298	6.37586
7566.00	1197.00	168.199	164.673	52.2170	19.6963
7571.00	1197.00	168.742	164.690	56.7705	7.23567

7576.00	1197.00	168.784	164.707	56.9120	7.19029
7581.00	1197.00	168.808	164.724	56.7412	7.24699
7586.00	1197.00	168.847	164.741	56.8396	7.21483
7591.00	1197.00	168.886	164.758	56.9555	7.17751
7596.00	1197.00	168.929	164.775	57.1258	7.12397
7601.00	1197.00	168.975	164.792	57.3545	7.05902
7606.00	1197.00	169.020	164.809	57.5727	6.99277
7794.00	1197.00	170.289	165.448	62.5635	5.73635
7799.00	1197.00	170.319	165.465	62.7929	5.68606
7804.00	1197.00	170.342	165.482	62.8746	5.67181
7816.00	1197.00	171.036	167.516	52.1498	19.3924
7821.00	1197.00	171.577	167.533	56.6532	7.27389
7826.00	1197.00	171.651	167.550	57.1999	7.10432
7831.00	1197.00	171.674	167.567	56.9631	7.17461
7836.00	1197.00	171.708	167.584	57.0349	7.15653
7841.00	1197.00	171.742	167.601	57.0964	7.13617
7846.00	1197.00	171.781	167.618	57.2260	7.09535
7851.00	1197.00	171.824	167.635	57.4014	7.04126
7856.00	1197.00	171.867	167.652	57.6216	6.98002
7944.00	1197.00	172.577	167.951	60.9195	6.10921
7949.00	1197.00	172.611	167.968	61.1119	6.06239
7954.00	1197.00	172.639	167.985	61.1984	6.04075
7966.00	1197.00	173.566	170.019	52.3753	19.5746
7971.00	1197.00	174.012	170.036	55.9048	7.51020
7976.00	1197.00	174.100	170.053	56.5464	7.30743
7981.00	1197.00	174.133	170.070	56.5669	7.29928
7986.00	1197.00	174.167	170.087	56.6048	7.28572
7991.00	1197.00	174.209	170.104	56.7609	7.24087
7996.00	1197.00	174.256	170.121	56.9645	7.17639
8001.00	1197.00	174.304	170.138	57.1979	7.10382
8006.00	1197.00	174.351	170.155	57.4354	7.03117
8144.00	1197.00	175.371	170.625	61.6447	5.93803
8149.00	1197.00	175.413	170.642	62.0700	5.84582
8154.00	1197.00	175.441	170.659	62.2248	5.81036
8166.00	1197.00	176.209	172.693	52.1375	19.4598
8171.00	1197.00	176.755	172.710	56.6590	7.27041
8176.00	1197.00	176.829	172.727	57.2057	7.10092
8181.00	1197.00	176.852	172.744	56.9872	7.17109
8186.00	1197.00	176.885	172.761	57.0334	7.15534
8191.00	1197.00	176.919	172.778	57.0891	7.13673
8196.00	1197.00	176.958	172.795	57.2153	7.09695
8201.00	1197.00	177.001	172.812	57.4146	7.04113
8206.00	1197.00	177.044	172.829	57.6138	6.98071
8444.00	1197.00	178.550	173.638	63.2476	5.59218
8449.00	1197.00	178.573	173.655	63.3495	5.56991
8454.00	1197.00	178.591	173.672	63.3651	5.56969
8466.00	1197.00	179.227	175.706	52.1584	19.3385
8471.00	994.000	180.222	175.723	60.0548	5.24905
8476.00	994.000	180.239	175.740	60.1205	5.23422
8481.00	994.000	180.251	175.757	59.9612	5.26615
8486.00	994.000	180.265	175.774	59.9628	5.26864
8491.00	994.000	180.279	175.791	59.9096	5.27859
8496.00	994.000	180.293	175.808	59.8810	5.28337
8501.00	994.000	180.307	175.825	59.8458	5.28956
8506.00	994.000	180.321	175.842	59.8428	5.29305
8544.00	994.000	180.459	175.971	59.7024	5.32236
8549.00	994.000	180.487	175.988	59.9160	5.27602
8554.00	994.000	180.509	176.005	60.0006	5.25712
8566.00	994.000	181.244	178.039	49.6393	18.4069
8571.00	994.000	181.655	178.056	52.9104	7.15044
8576.00	994.000	181.738	178.073	53.4926	6.96040
8581.00	994.000	181.770	178.090	53.5051	6.95469
8586.00	994.000	181.805	178.107	53.5476	6.93930
8591.00	994.000	181.848	178.124	53.7085	6.89113
8596.00	994.000	181.895	178.141	53.9168	6.82328
8601.00	994.000	181.943	178.158	54.1516	6.74824
8606.00	994.000	181.989	178.175	54.3869	6.67435
8644.00	994.000	182.336	178.304	55.9154	6.23748
8649.00	994.000	182.393	178.321	56.3916	6.10798
8654.00	994.000	182.439	178.338	56.7033	6.02499
8666.00	994.000	183.559	180.372	49.4976	18.7223
8671.00	994.000	183.999	180.389	53.0031	7.12066
8676.00	994.000	184.082	180.406	53.5972	6.92271
8681.00	994.000	184.113	180.423	53.6035	6.92440
8686.00	994.000	184.145	180.440	53.6269	6.91524
8691.00	994.000	184.186	180.457	53.7482	6.87473
8696.00	994.000	184.232	180.474	53.9615	6.81077

8701.00	994.000	184.279	180.491	54.1886	6.73835
8706.00	994.000	184.325	180.508	54.4182	6.66638
8744.00	994.000	184.669	180.637	55.9037	6.23732
8749.00	994.000	184.727	180.654	56.4007	6.10697
8754.00	994.000	184.773	180.671	56.7150	6.02336
8766.00	994.000	185.892	182.705	49.4889	18.7223
8771.00	994.000	186.333	182.722	53.0212	7.11618
8776.00	994.000	186.417	182.739	53.6174	6.91777
8781.00	994.000	186.447	182.756	53.5999	6.92183
8786.00	994.000	186.480	182.773	53.6465	6.91052
8791.00	994.000	186.521	182.790	53.7701	6.86931
8796.00	994.000	186.566	182.807	53.9608	6.80733
8801.00	994.000	186.613	182.824	54.2055	6.73468
8806.00	994.000	186.659	182.841	54.4360	6.66249
8844.00	994.000	187.002	182.971	55.9103	6.23744
8849.00	994.000	187.060	182.988	56.3794	6.10979
8854.00	994.000	187.105	183.005	56.6884	6.02746
8866.00	994.000	188.225	185.039	49.4838	18.7244
8871.00	994.000	188.666	185.056	52.9989	7.12045
8876.00	994.000	188.750	185.073	53.6186	6.91954
8881.00	994.000	188.781	185.090	53.6069	6.92171
8886.00	994.000	188.813	185.107	53.6291	6.91295
8891.00	994.000	188.854	185.124	53.7714	6.87101
8896.00	994.000	188.900	185.141	53.9651	6.80807
8901.00	994.000	188.947	185.158	54.1888	6.73673
8906.00	994.000	189.000	185.175	54.4159	6.66552
8911.00	994.000	189.059	185.192	54.7734	6.56173
8916.00	994.000	189.116	185.209	55.1075	6.46233
8921.00	994.000	189.168	185.226	55.4047	6.37575
8926.00	994.000	189.216	185.243	55.6872	6.29990
8959.00	994.000	196.683	193.493	49.5248	21.6373

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**************************************************     ***********************************
*  SCOUR AND DEPOSITION IN RIVERS AND RESERVOIRS  *     *  U.S. ARMY CORPS OF ENGINEERS   *
*       Version: 4.1.00 -  OCTOBER 1993           *     *  HYDROLOGIC ENGINEERING CENTER  *
*  INPUT FILE:  PH2-DET.DAT                       *     *  609 SECOND STREET              *
*  OUTPUT FILE: PH2-DET.OUT                       *     *  DAVIS, CALIFORNIA 95616-4687   *
*  RUN DATE: 30 DEC 96    RUN TIME: 10:52:38      *     *  (916) 756-1104                 *
**************************************************     ***********************************

                    X     X  XXXXXXX   XXXXX          XXXXX
                    X     X  X        X     X        X     X
                    X     X  X        X              X
                    XXXXXXX  XXXX     X        XXXXX  XXXXXX
                    X     X  X        X              X     X
                    X     X  X        X     X        X     X
                    X     X  XXXXXXX   XXXXX          XXXXX

         ********************************************************************
         *  MAXIMUM LIMITS FOR THIS VERSION ARE:                            *
         *      10  Stream Segments (Main Stem + Tributaries)               *
         *     500  Cross Sections                                          *
         *     200  Elevation/Station Points per Cross Section              *
         *      20  Grain Sizes                                             *
         *      10  Control Points                                          *
         ********************************************************************

T1      LAS SENDAS PHASE II - CHANNEL A - 12/27/96
T2      GEODIMENSIONS, INC. - GARY W. LAFORGE
T3      HEC-6 ANALYSIS OF CHANNEL A (REACHES 150,38,50&48)

N values...  Left   Channel   Right    Contraction    Expansion
           0.0200   0.0320   0.0450      1.2000       0.4000

SECTION NO.  2900.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360      1.2000       0.4000

SECTION NO.  3020.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3025.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3030.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3043.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450      1.2000       0.4000

SECTION NO.  3048.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3053.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3058.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3063.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3068.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3073.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3078.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3083.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.
```

This is excessive
it would be
either .1 & .3
or .3 & .5!
Please check!!

```
N values...  Left    Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000       0.4000

SECTION NO.  3262.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3267.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3272.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3284.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000       0.4000

SECTION NO.  3289.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3294.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3299.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3304.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3309.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3314.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3319.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3324.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3332.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3337.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3342.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3347.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000       0.4000

SECTION NO.  3352.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3357.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3362.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3374.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0200   0.0320   0.0450       1.2000       0.4000

SECTION NO.  3379.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3384.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.
```

What are these "n" values for? Seem high for soil cement!!!

```
SECTION NO.  3389.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3394.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3399.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3404.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3409.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3414.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000       0.4000

SECTION NO.  3430.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3435.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3440.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3452.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0200   0.0320   0.0450       1.2000       0.4000

SECTION NO.  3457.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3462.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3467.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3472.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3477.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3482.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3487.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3492.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000       0.4000

SECTION NO.  3560.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3565.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3570.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3582.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0200   0.0320   0.0450       1.2000       0.4000
```

SECTION NO. 3587.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3592.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3597.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3602.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3607.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3612.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3617.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3622.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 3634.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 3639.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 3644.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 3656.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0450	0.0320	0.0450	1.2000	0.4000

SECTION NO. 3661.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3666.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3671.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3676.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3681.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3686.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3691.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3696.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 3746.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 3751.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 3756.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 3768.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0450	0.0320	0.0450	1.2000	0.4000

SECTION NO. 3773.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3778.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3783.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3788.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3793.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3798.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3803.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3808.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 3827.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 3832.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 3837.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 3849.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0450	0.0320	0.0450	1.2000	0.4000

SECTION NO. 3854.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3859.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3864.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3869.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3874.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3879.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3884.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 3889.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 3906.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

```
SECTION NO.  3911.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3916.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3928.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000      0.4000

SECTION NO.  3933.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3938.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3943.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3948.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3953.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3958.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3963.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  3968.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000

SECTION NO.  3981.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3986.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  3991.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  4003.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0200   0.0320   0.0450       1.2000      0.4000

SECTION NO.  4008.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4013.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4018.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4023.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4028.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4033.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4038.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4043.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.
```

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 4184.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 4189.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 4194.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 4206.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0450	0.0320	0.0450	1.2000	0.4000

SECTION NO. 4211.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4216.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4221.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4226.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4231.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4236.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4241.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4246.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 4256.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 4261.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 4266.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 4278.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0450	0.0320	0.0450	1.2000	0.4000

SECTION NO. 4283.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4288.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4293.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4298.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4303.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4308.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

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SECTION NO.  4313.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4318.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4415.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4420.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4425.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4430.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000

SECTION NO.  4435.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0120   0.0120   0.0120       1.2000      0.4000

SECTION NO.  4440.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  4560.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000

SECTION NO.  4578.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  4604.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  4607.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000      0.4000

SECTION NO.  4612.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4617.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4622.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4627.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0200   0.0320   0.0450       1.2000      0.4000

SECTION NO.  4632.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4637.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4642.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  4647.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000
```

SECTION NO. 4896.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 4901.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 4906.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 4918.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0450	0.0320	0.0450	1.2000	0.4000

SECTION NO. 4923.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4928.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4933.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4938.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4943.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4948.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4953.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 4958.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 4976.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 4981.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 4986.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 4998.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0450	0.0320	0.0450	1.2000	0.4000

SECTION NO. 5003.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5008.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5013.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5018.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5023.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5028.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5033.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5038.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 5059.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5064.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5069.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5081.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0450	0.0320	0.0450	1.2000	0.4000

SECTION NO. 5086.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5091.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5096.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5101.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5106.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5111.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5116.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5121.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 5208.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5213.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5218.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5230.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0450	0.0320	0.0450	1.2000	0.4000

SECTION NO. 5235.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5240.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5245.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5250.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5255.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5260.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5265.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0200	0.0320	0.0450	1.2000	0.4000

SECTION NO. 5270.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 5337.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5342.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5347.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5359.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0200	0.0320	0.0450	1.2000	0.4000

SECTION NO. 5364.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5369.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5374.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5379.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5384.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5389.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5394.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5399.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 5457.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5462.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5467.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5479.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0200	0.0320	0.0450	1.2000	0.4000

SECTION NO. 5484.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5489.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5494.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5499.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5504.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5509.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5514.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

SECTION NO. 5519.000
...DEPTH of the Bed Sediment Control Volume = 10.00 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 5557.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5562.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5567.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5579.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0200	0.0200	0.0200	1.2000	0.4000

SECTION NO. 5584.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5589.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5594.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5599.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5604.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5609.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5614.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5619.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 5657.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5662.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5667.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5679.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0200	0.0200	0.0200	1.2000	0.4000

SECTION NO. 5684.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5689.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5694.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5699.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5704.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5709.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5714.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5719.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 5757.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5762.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5767.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5779.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0200	0.0200	0.0200	1.2000	0.4000

SECTION NO. 5784.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5789.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5794.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5799.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5804.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5809.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5814.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5819.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 5839.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5844.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5849.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5861.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0200	0.0200	0.0200	1.2000	0.4000

SECTION NO. 5866.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5871.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5876.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5881.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5886.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5891.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5896.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 5901.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 6057.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 6062.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 6067.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 6079.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0200	0.0200	0.0200	1.2000	0.4000

SECTION NO. 6084.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 6089.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 6094.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 6099.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 6104.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 6109.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 6114.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

SECTION NO. 6119.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

N values...	Left	Channel	Right	Contraction	Expansion
	0.0360	0.0360	0.0360	1.2000	0.4000

SECTION NO. 6239.000
...DEPTH of the Bed Sediment Control Volume = 0.10 ft.

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SECTION NO.  6244.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6249.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6261.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

LOCAL INFLOW POINT  1 occurs upstream from Section No.    6261.000

N values...  Left   Channel   Right    Contraction    Expansion
           0.0200   0.0200   0.0200       1.2000      0.4000

SECTION NO.  6266.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6271.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6276.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6281.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6286.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6291.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6296.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6301.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000

SECTION NO.  6344.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6349.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6354.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6366.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000      0.4000

SECTION NO.  6371.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6376.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6381.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6386.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6391.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6396.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6401.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.
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SECTION NO.  6406.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000

SECTION NO.  6444.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6449.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6454.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6466.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000      0.4000

SECTION NO.  6471.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6476.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6481.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6486.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6491.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6496.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6501.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6506.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000

SECTION NO.  6884.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6889.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6894.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  6906.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

LOCAL INFLOW POINT  2 occurs upstream from Section No.    6906.000

N values...  Left   Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000      0.4000

SECTION NO.  6911.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6916.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6921.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6926.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.
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SECTION NO.  6931.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6936.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6941.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  6946.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000

SECTION NO.  7194.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  7199.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  7204.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  7216.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000      0.4000

SECTION NO.  7221.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7226.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7231.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7236.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7241.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7246.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7251.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7256.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000

SECTION NO.  7444.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  7449.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  7454.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  7467.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000      0.4000

SECTION NO.  7472.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7477.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.
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SECTION NO.  7482.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7487.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7492.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7497.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7502.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7507.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000

SECTION NO.  7544.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  7549.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  7554.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  7566.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000      0.4000

SECTION NO.  7571.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7576.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7581.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7586.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7591.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7596.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7601.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7606.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000

SECTION NO.  7794.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  7799.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  7804.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  7816.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000      0.4000
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SECTION NO.  7821.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7826.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7831.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7836.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7841.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7846.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7851.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7856.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360      1.2000      0.4000

SECTION NO.  7944.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  7949.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  7954.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  7966.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450      1.2000      0.4000

SECTION NO.  7971.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7976.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7981.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7986.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7991.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  7996.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8001.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8006.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360      1.2000      0.4000

SECTION NO.  8144.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8149.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8154.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.
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SECTION NO.  8166.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000      0.4000

SECTION NO.  8171.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8176.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8181.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8186.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8191.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8196.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8201.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8206.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000

SECTION NO.  8444.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8449.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8454.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8466.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

LOCAL INFLOW POINT  3 occurs upstream from Section No.    8466.000

N values...  Left    Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000      0.4000

SECTION NO.  8471.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8476.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8481.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8486.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8491.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8496.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8501.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8506.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000
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SECTION NO.  8544.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8549.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8554.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8566.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000      0.4000

SECTION NO.  8571.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8576.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8581.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8586.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8591.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8596.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8601.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8606.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000

SECTION NO.  8644.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8649.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8654.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8666.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left   Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000      0.4000

SECTION NO.  8671.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8676.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8681.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8686.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8691.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8696.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8701.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.
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SECTION NO.  8706.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000

SECTION NO.  8744.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8749.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8754.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8766.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000      0.4000

SECTION NO.  8771.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8776.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8781.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8786.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8791.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8796.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8801.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8806.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000      0.4000

SECTION NO.  8844.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8849.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8854.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8866.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0450   0.0320   0.0450       1.2000      0.4000

SECTION NO.  8871.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8876.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8881.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8886.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8891.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.
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SECTION NO.  8896.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

SECTION NO.  8901.000
...DEPTH of the Bed Sediment Control Volume =   10.00 ft.

N values...  Left    Channel   Right    Contraction    Expansion
           0.0360   0.0360   0.0360       1.2000       0.4000

SECTION NO.  8906.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8911.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8916.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8921.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8926.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

SECTION NO.  8959.000
...DEPTH of the Bed Sediment Control Volume =    0.10 ft.

NO. OF CROSS SECTIONS IN STREAM SEGMENT=484
NO. OF INPUT DATA MESSAGES =   0

TOTAL NO. OF CROSS SECTIONS IN THE NETWORK = 484
TOTAL NO. OF STREAM SEGMENTS IN THE NETWORK=   1
END OF GEOMETRIC DATA

==========================================================================
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T4      HEC-6 Run 12/27/96
T5      Las Sendas Phase II - Channel A - Gary W. LaForge
T6      Hydrograph information from TR-20 run of Las Sendas Drainage Master Plan
T7      GeoDimensions, Inc.
T8

        LAS SENDAS PHASE II - CHANNEL A - 12/27/96
        GEODIMENSIONS, INC. - GARY W. LAFORGE
        HEC-6 ANALYSIS OF CHANNEL A (REACHES 150,38,50&48)

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
SEDIMENT PROPERITES AND PARAMETERS

      SPI     IBG     MNQ     SPGF     ACGR     NEALL    IBSHER
I1    50.      0       1     1.000    32.174     2        1
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 SANDS - BOULDERS ARE PRESENT

      MTC     IASA    LASA    SPGS     GSF     BSAE     PSI     UWDLB
I4     4       1      10     2.650   0.667    0.500   30.000   93.000

USING TRANSPORT CAPACITY RELATIONSHIP #  4, YANG
GRAIN SIZES UTILIZED (mean diameter - mm)
-----------------------------------------------------------------
    VERY FINE SAND....    0.088 |  VERY FINE GRAVEL..    2.828
    FINE SAND.........    0.177 |  FINE GRAVEL.......    5.657
    MEDIUM SAND.......    0.354 |  MEDIUM GRAVEL.....   11.314
    COARSE SAND.......    0.707 |  COARSE GRAVEL.....   22.627
    VERY COARSE SAND..    1.414 |  VERY COARSE GRAVEL   45.255
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
COEFFICIENTS FOR COMPUTATION SCHEME WERE SPECIFIED
       DBI     DBN     XID     XIN     XIU     UBI     UBN     JSL
I5   0.500   0.500   0.250   0.500   0.250   0.000   1.000     1
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

SEDIMENT LOAD TABLE FOR STREAM SEGMENT #   1
         LOAD BY GRAIN SIZE CLASS (tons/day)

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Yang's equation

LQ	0.100000	39.7000	250.000	500.000	750.000	1000.00	1100.00	1200.00
		1332.00						
LF VFS	0.100000E-19	3.36630	3.36630	3.36630	3.36630	3.36630	3.36630	3.36630
		3.36630						
LF FS	0.100000E-19	1.32820	1.32820	1.32820	1.32820	1.32820	1.32820	1.32820
		1.32820						
LF MS	0.100000E-19	1.74040	1.74040	1.74040	1.74040	1.74040	1.74040	1.74040
		1.74040						
LF CS	0.100000E-19	1.80910	1.80910	1.80910	1.80910	1.80910	1.80910	1.80910
		1.80910						
LF VCS	0.100000E-19	1.80910	1.80910	1.80910	1.80910	1.80910	1.80910	1.80910
		1.80910						
LF VFG	0.100000E-19	1.78620	1.78620	1.78620	1.78620	1.78620	1.78620	1.78620
		1.78620						
LF FG	0.100000E-19	5.17540	5.17540	5.17540	5.17540	5.17540	5.17540	5.17540
		5.17540						
LF MG	0.100000E-19	2.88540	2.88540	2.88540	2.88540	2.88540	2.88540	2.88540
		2.88540						
LF CG	0.100000E-19	1.48850	1.48850	1.48850	1.48850	1.48850	1.48850	1.48850
		1.48850						
LF VCG	0.100000E-19	1.51140	1.51140	1.51140	1.51140	1.51140	1.51140	1.51140
		1.51140						
TOTAL	0.100000E-18	22.9000	22.9000	22.9000	22.9000	22.9000	22.9000	22.9000
		22.9000						

REACH GEOMETRY FOR STREAM SEGMENT 1

CROSS SECTION NO.	REACH LENGTH (ft)	MOVABLE BED WIDTH	INITIAL BED-ELEVATIONS LEFT SIDE (ft)	THALWEG (ft)	RIGHT SIDE (ft)	ACCUMULATED CHANNEL DISTANCE FROM DOWNSTREAM (ft)	(miles)
2900.000	0.000	76.000	87.800	81.300	87.800	0.000	0.000
3020.000	120.000	76.000	88.210	81.708	88.208	120.000	0.023
3025.000	5.000	76.000	88.230	81.725	88.225	125.000	0.024
3030.000	5.000	76.000	88.240	81.742	88.242	130.000	0.025
3043.000	13.000	76.000	91.280	84.776	91.276	143.000	0.027
3048.000	5.000	76.000	91.290	84.793	91.293	148.000	0.028
3053.000	5.000	76.000	91.310	84.810	91.310	153.000	0.029
3058.000	5.000	76.000	91.330	84.827	91.327	158.000	0.030
3063.000	5.000	76.000	91.340	84.844	91.344	163.000	0.031
3068.000	5.000	76.000	91.360	84.861	91.361	168.000	0.032
3073.000	5.000	76.000	91.380	84.878	91.378	173.000	0.033
3078.000	5.000	76.000	91.400	84.895	91.395	178.000	0.034
3083.000	179.000	76.000	91.410	84.912	91.412	183.000	0.035
3262.000	5.000	76.000	92.020	85.521	92.021	362.000	0.069
3267.000	5.000	76.000	92.040	85.538	92.038	367.000	0.070
3272.000	12.000	76.000	92.060	85.555	92.055	372.000	0.070
3284.000	5.000	76.000	94.090	87.589	94.089	384.000	0.073
3289.000	5.000	76.000	94.110	87.606	94.106	389.000	0.074
3294.000		76.000	94.120	87.623	94.123	394.000	0.075

3299.000	5.000	76.000	94.140	87.640	94.140	399.000	0.076
3304.000	5.000	76.000	94.160	87.657	94.157	404.000	0.077
3309.000	5.000	76.000	94.170	87.674	94.174	409.000	0.077
3314.000	5.000	76.000	94.190	87.691	94.191	414.000	0.078
3319.000	5.000	76.000	94.210	87.708	94.208	419.000	0.079
3324.000	8.000	76.000	94.230	87.725	94.225	424.000	0.080
3332.000	5.000	76.000	94.250	87.752	94.252	432.000	0.082
3337.000	5.000	76.000	94.270	87.769	94.269	437.000	0.083
3342.000	5.000	76.000	94.290	87.786	94.286	442.000	0.084
3347.000	5.000	76.000	94.300	87.803	94.303	447.000	0.085
3352.000	5.000	76.000	94.320	87.820	94.320	452.000	0.086
3357.000	5.000	76.000	94.340	87.837	94.337	457.000	0.087
3362.000	12.000	76.000	94.350	87.854	94.354	462.000	0.087
3374.000	5.000	76.000	96.390	89.888	96.388	474.000	0.090
3379.000	5.000	76.000	96.410	89.905	96.405	479.000	0.091
3384.000	5.000	76.000	96.420	89.922	96.422	484.000	0.092
3389.000	5.000	76.000	96.440	89.939	96.439	489.000	0.093
3394.000	5.000	76.000	96.460	89.956	96.456	494.000	0.094
3399.000	5.000	76.000	96.470	89.973	96.473	499.000	0.095
3404.000	5.000	76.000	96.490	89.990	96.490	504.000	0.095
3409.000	5.000	76.000	96.510	90.007	96.507	509.000	0.096
3414.000	16.000	76.000	96.520	90.024	96.524	514.000	0.097
3430.000	5.000	76.000	96.580	90.078	96.578	530.000	0.100
3435.000	5.000	76.000	96.600	90.095	96.595	535.000	0.101
3440.000	12.000	76.000	96.610	90.112	96.612	540.000	0.102
3452.000	5.000	76.000	98.650	92.146	98.646	552.000	0.105
3457.000	5.000	76.000	98.660	92.163	98.663	557.000	0.105
3462.000	5.000	76.000	98.680	92.180	98.680	562.000	0.106
3467.000	5.000	76.000	98.700	92.197	98.697	567.000	0.107
3472.000	5.000	76.000	98.710	92.214	98.714	572.000	0.108
3477.000	5.000	76.000	98.730	92.231	98.731	577.000	0.109
3482.000	5.000	76.000	98.750	92.248	98.748	582.000	0.110
3487.000	5.000	76.000	98.770	92.265	98.765	587.000	0.111
3492.000	68.000	76.000	98.780	92.282	98.782	592.000	0.112
3560.000	5.000	76.000	99.010	92.513	99.013	660.000	0.125
3565.000	5.000	76.000	99.030	92.530	99.030	665.000	0.126
3570.000	12.000	76.000	99.050	92.547	99.047	670.000	0.127
3582.000	5.000	76.000	101.080	94.581	101.081	682.000	0.129

3587.000		76.000	101.100	94.598	101.098	687.000	0.130
	5.000						
3592.000		76.000	101.120	94.615	101.115	692.000	0.131
	5.000						
3597.000		76.000	101.130	94.632	101.132	697.000	0.132
	5.000						
3602.000		76.000	101.150	94.649	101.149	702.000	0.133
	5.000						
3607.000		76.000	101.170	94.666	101.166	707.000	0.134
	5.000						
3612.000		76.000	101.180	94.683	101.183	712.000	0.135
	5.000						
3617.000		76.000	101.200	94.700	101.200	717.000	0.136
	5.000						
3622.000		76.000	101.220	94.717	101.217	722.000	0.137
	12.000						
3634.000		76.000	101.260	94.758	101.258	734.000	0.139
	5.000						
3639.000		76.000	101.280	94.775	101.275	739.000	0.140
	5.000						
3644.000		76.000	101.290	94.792	101.292	744.000	0.141
	12.000						
3656.000		76.000	103.330	96.826	103.326	756.000	0.143
	5.000						
3661.000		76.000	103.340	96.842	103.342	761.000	0.144
	5.000						
3666.000		76.000	103.360	96.858	103.358	766.000	0.145
	5.000						
3671.000		76.000	103.370	96.874	103.374	771.000	0.146
	5.000						
3676.000		76.000	103.390	96.890	103.390	776.000	0.147
	5.000						
3681.000		76.000	103.410	96.906	103.406	781.000	0.148
	5.000						
3686.000		76.000	103.420	96.922	103.422	786.000	0.149
	5.000						
3691.000		76.000	103.440	96.938	103.438	791.000	0.150
	5.000						
3696.000		76.000	103.450	96.954	103.454	796.000	0.151
	5.000						
3746.000		76.000	103.610	97.114	103.614	801.000	0.152
	5.000						
3751.000		76.000	103.630	97.130	103.630	806.000	0.153
	5.000						
3756.000		76.000	103.650	97.146	103.646	811.000	0.154
	12.000						
3768.000		76.000	105.680	99.178	105.678	823.000	0.156
	5.000						
3773.000		76.000	105.690	99.194	105.694	828.000	0.157
	5.000						
3778.000		76.000	105.710	99.210	105.710	833.000	0.158
	5.000						
3783.000		76.000	105.730	99.226	105.726	838.000	0.159
	5.000						
3788.000		76.000	105.740	99.242	105.742	843.000	0.160
	5.000						
3793.000		76.000	105.760	99.258	105.758	848.000	0.161
	5.000						
3798.000		76.000	105.770	99.274	105.774	853.000	0.162
	5.000						
3803.000		76.000	105.790	99.290	105.790	858.000	0.163
	5.000						
3808.000		76.000	105.810	99.306	105.806	863.000	0.163
	19.000						
3827.000		76.000	105.870	99.367	105.867	882.000	0.167
	5.000						
3832.000		76.000	105.880	99.383	105.883	887.000	0.168
	5.000						
3837.000		76.000	105.900	99.399	105.899	892.000	0.169
	12.000						
3849.000		76.000	107.930	101.431	107.931	904.000	0.171
	5.000						
3854.000		76.000	107.950	101.447	107.947	909.000	0.172
	5.000						
3859.000		76.000	107.960	101.463	107.963	914.000	0.173
	5.000						
3864.000		76.000	107.980	101.479	107.979	919.000	0.174

3869.000	5.000	76.000	108.000	101.495	107.995	924.000	0.175
3874.000	5.000	76.000	108.010	101.511	108.011	929.000	0.176
3879.000	5.000	76.000	108.030	101.527	108.027	934.000	0.177
3884.000	5.000	76.000	108.040	101.543	108.043	939.000	0.178
3889.000	5.000	76.000	108.060	101.559	108.059	944.000	0.179
3906.000	17.000	76.000	108.110	101.613	108.113	961.000	0.182
3911.000	5.000	76.000	108.130	101.629	108.129	966.000	0.183
3916.000	5.000	76.000	108.150	101.645	108.145	971.000	0.184
3928.000	12.000	76.000	110.180	103.677	110.177	983.000	0.186
3933.000	5.000	76.000	110.190	103.693	110.193	988.000	0.187
3938.000	5.000	76.000	110.210	103.709	110.209	993.000	0.188
3943.000	5.000	76.000	110.230	103.725	110.225	998.000	0.189
3948.000	5.000	76.000	110.240	103.741	110.241	1003.000	0.190
3953.000	5.000	76.000	110.260	103.757	110.257	1008.000	0.191
3958.000	5.000	76.000	110.270	103.773	110.273	1013.000	0.192
3963.000	5.000	76.000	110.290	103.789	110.289	1018.000	0.193
3968.000	5.000	76.000	110.310	103.805	110.305	1023.000	0.194
3981.000	13.000	76.000	110.350	103.847	110.347	1036.000	0.196
3986.000	5.000	76.000	110.360	103.863	110.363	1041.000	0.197
3991.000	5.000	76.000	110.380	103.879	110.379	1046.000	0.198
4003.000	12.000	76.000	112.410	105.911	112.411	1058.000	0.200
4008.000	5.000	76.000	112.430	105.927	112.427	1063.000	0.201
4013.000	5.000	76.000	112.440	105.943	112.443	1068.000	0.202
4018.000	5.000	76.000	112.460	105.959	112.459	1073.000	0.203
4023.000	5.000	76.000	112.480	105.975	112.475	1078.000	0.204
4028.000	5.000	76.000	112.490	105.991	112.491	1083.000	0.205
4033.000	5.000	76.000	112.510	106.007	112.507	1088.000	0.206
4038.000	5.000	76.000	112.520	106.023	112.523	1093.000	0.207
4043.000	5.000	76.000	112.540	106.039	112.539	1098.000	0.208
4184.000	141.000	76.000	112.990	106.490	112.990	1239.000	0.235
4189.000	5.000	76.000	113.010	106.506	113.006	1244.000	0.236
4194.000	5.000	76.000	113.020	106.522	113.022	1249.000	0.237
4206.000	12.000	76.000	115.050	108.554	115.054	1261.000	0.239
4211.000	5.000	76.000	115.070	108.570	115.070	1266.000	0.240
4216.000	5.000	76.000	115.090	108.586	115.086	1271.000	0.241
4221.000	5.000	76.000	115.100	108.602	115.102	1276.000	0.242
4226.000	5.000	76.000	115.120	108.618	115.118	1281.000	0.243
4231.000	5.000	76.000	115.130	108.634	115.134	1286.000	0.244
	5.000						

4236.000		76.000	115.150	108.650	115.150	1291.000	0.245
	5.000						
4241.000		76.000	115.170	108.666	115.166	1296.000	0.245
	5.000						
4246.000		76.000	115.180	108.682	115.182	1301.000	0.246
	10.000						
4256.000		76.000	115.210	108.714	115.214	1311.000	0.248
	5.000						
4261.000		76.000	115.230	108.730	115.230	1316.000	0.249
	5.000						
4266.000		76.000	115.250	108.746	115.246	1321.000	0.250
	12.000						
4278.000		76.000	117.280	110.778	117.278	1333.000	0.252
	5.000						
4283.000		76.000	117.290	110.794	117.294	1338.000	0.253
	5.000						
4288.000		76.000	117.310	110.810	117.310	1343.000	0.254
	5.000						
4293.000		76.000	117.330	110.826	117.326	1348.000	0.255
	5.000						
4298.000		76.000	117.340	110.842	117.342	1353.000	0.256
	5.000						
4303.000		76.000	117.360	110.858	117.358	1358.000	0.257
	5.000						
4308.000		76.000	117.370	110.874	117.374	1363.000	0.258
	5.000						
4313.000		76.000	117.390	110.890	117.390	1368.000	0.259
	5.000						
4318.000		76.000	117.410	110.906	117.406	1373.000	0.260
	97.000						
4415.000		76.000	117.720	111.217	117.717	1470.000	0.278
	5.000						
4420.000		76.000	117.730	111.233	117.733	1475.000	0.279
	5.000						
4425.000		76.000	117.750	111.249	117.749	1480.000	0.280
	5.000						
4430.000		76.000	117.770	111.265	117.765	1485.000	0.281
	5.000						
4435.000		76.000	117.780	111.281	117.781	1490.000	0.282
	5.000						
4440.000		32.000	116.300	111.297	116.297	1495.000	0.283
	120.000						
4560.000		32.000	116.680	111.680	116.681	1615.000	0.306
	18.000						
4578.000		76.000	118.240	111.738	118.238	1633.000	0.309
	26.000						
4604.000		76.000	124.240	117.738	124.238	1659.000	0.314
	3.000						
4607.000		76.000	124.240	117.738	124.238	1662.000	0.315
	5.000						
4612.000		76.000	124.260	117.755	124.255	1667.000	0.316
	5.000						
4617.000		76.000	124.270	117.772	124.272	1672.000	0.317
	5.000						
4622.000		76.000	124.290	117.789	124.289	1677.000	0.318
	5.000						
4627.000		76.000	124.310	117.806	124.306	1682.000	0.319
	5.000						
4632.000		76.000	124.320	117.823	124.323	1687.000	0.320
	5.000						
4637.000		76.000	124.340	117.840	124.340	1692.000	0.320
	5.000						
4642.000		76.000	124.360	117.857	124.357	1697.000	0.321
	5.000						
4647.000		76.000	124.370	117.874	124.374	1702.000	0.322
	249.000						
4896.000		76.000	125.220	118.721	125.221	1951.000	0.370
	5.000						
4901.000		76.000	125.240	118.738	125.238	1956.000	0.370
	5.000						
4906.000		76.000	125.260	118.755	125.255	1961.000	0.371
	12.000						
4918.000		76.000	127.290	120.789	127.289	1973.000	0.374
	5.000						
4923.000		76.000	127.310	120.806	127.306	1978.000	0.375
	5.000						
4928.000		76.000	127.320	120.823	127.323	1983.000	0.376

4933.000	5.000	76.000	127.340	120.840	127.340	1988.000	0.377
4938.000	5.000	76.000	127.360	120.857	127.357	1993.000	0.377
4943.000	5.000	76.000	127.370	120.874	127.374	1998.000	0.378
4948.000	5.000	76.000	127.390	120.891	127.391	2003.000	0.379
4953.000	5.000	76.000	127.410	120.908	127.408	2008.000	0.380
4958.000	5.000	76.000	127.430	120.925	127.425	2013.000	0.381
4976.000	18.000	76.000	127.490	120.986	127.486	2031.000	0.385
4981.000	5.000	76.000	127.500	121.003	127.503	2036.000	0.386
4986.000	5.000	76.000	127.520	121.020	127.520	2041.000	0.387
4998.000	12.000	76.000	129.550	123.054	129.554	2053.000	0.389
5003.000	5.000	76.000	129.570	123.071	129.571	2058.000	0.390
5008.000	5.000	76.000	129.590	123.088	129.588	2063.000	0.391
5013.000	5.000	76.000	129.610	123.105	129.605	2068.000	0.392
5018.000	5.000	76.000	129.620	123.122	129.622	2073.000	0.393
5023.000	5.000	76.000	129.640	123.139	129.639	2078.000	0.394
5028.000	5.000	76.000	129.660	123.156	129.656	2083.000	0.395
5033.000	5.000	76.000	129.670	123.173	129.673	2088.000	0.395
5038.000	5.000	76.000	129.690	123.190	129.690	2093.000	0.396
5059.000	21.000	76.000	129.760	123.261	129.761	2114.000	0.400
5064.000	5.000	76.000	129.780	123.278	129.778	2119.000	0.401
5069.000	5.000	76.000	129.800	123.295	129.795	2124.000	0.402
5081.000	12.000	76.000	131.830	125.329	131.829	2136.000	0.405
5086.000	5.000	76.000	131.850	125.346	131.846	2141.000	0.405
5091.000	5.000	76.000	131.860	125.363	131.863	2146.000	0.406
5096.000	5.000	76.000	131.880	125.380	131.880	2151.000	0.407
5101.000	5.000	76.000	131.900	125.397	131.897	2156.000	0.408
5106.000	5.000	76.000	131.910	125.414	131.914	2161.000	0.409
5111.000	5.000	76.000	131.930	125.431	131.931	2166.000	0.410
5116.000	5.000	76.000	131.950	125.448	131.948	2171.000	0.411
5121.000	5.000	76.000	131.970	125.465	131.965	2176.000	0.412
5208.000	87.000	76.000	132.260	125.761	132.261	2263.000	0.429
5213.000	5.000	76.000	132.280	125.778	132.278	2268.000	0.430
5218.000	5.000	76.000	132.300	125.795	132.295	2273.000	0.430
5230.000	12.000	76.000	134.330	127.829	134.329	2285.000	0.433
5235.000	5.000	76.000	134.350	127.846	134.346	2290.000	0.434
5240.000	5.000	76.000	134.360	127.863	134.363	2295.000	0.435
5245.000	5.000	76.000	134.380	127.880	134.380	2300.000	0.436
5250.000	5.000	76.000	134.400	127.897	134.397	2305.000	0.437
	5.000						

5255.000		76.000	134.410	127.914	134.414	2310.000	0.438
	5.000						
5260.000		76.000	134.430	127.931	134.431	2315.000	0.438
	5.000						
5265.000		76.000	134.450	127.948	134.448	2320.000	0.439
	5.000						
5270.000		76.000	134.470	127.965	134.465	2325.000	0.440
	67.000						
5337.000		76.000	134.690	128.193	134.693	2392.000	0.453
	5.000						
5342.000		76.000	134.710	128.210	134.710	2397.000	0.454
	5.000						
5347.000		76.000	134.730	128.227	134.727	2402.000	0.455
	12.000						
5359.000		76.000	136.760	130.261	136.761	2414.000	0.457
	5.000						
5364.000		76.000	136.780	130.278	136.778	2419.000	0.458
	5.000						
5369.000		76.000	136.800	130.295	136.795	2424.000	0.459
	5.000						
5374.000		76.000	136.810	130.312	136.812	2429.000	0.460
	5.000						
5379.000		76.000	136.830	130.329	136.829	2434.000	0.461
	5.000						
5384.000		76.000	136.850	130.346	136.846	2439.000	0.462
	5.000						
5389.000		76.000	136.860	130.363	136.863	2444.000	0.463
	5.000						
5394.000		76.000	136.880	130.380	136.880	2449.000	0.464
	5.000						
5399.000		76.000	136.900	130.397	136.897	2454.000	0.465
	58.000						
5457.000		76.000	137.090	130.594	137.094	2512.000	0.476
	5.000						
5462.000		76.000	137.110	130.611	137.111	2517.000	0.477
	5.000						
5467.000		76.000	137.130	130.628	137.128	2522.000	0.478
	12.000						
5479.000		76.000	139.160	132.662	139.162	2534.000	0.480
	5.000						
5484.000		76.000	139.180	132.679	139.179	2539.000	0.481
	5.000						
5489.000		76.000	139.200	132.696	139.196	2544.000	0.482
	5.000						
5494.000		76.000	139.210	132.713	139.213	2549.000	0.483
	5.000						
5499.000		76.000	139.230	132.730	139.230	2554.000	0.484
	5.000						
5504.000		76.000	139.250	132.747	139.247	2559.000	0.485
	5.000						
5509.000		76.000	139.260	132.764	139.264	2564.000	0.486
	5.000						
5514.000		76.000	139.280	132.781	139.281	2569.000	0.487
	5.000						
5519.000		76.000	139.300	132.798	139.298	2574.000	0.487
	38.000						
5557.000		76.000	139.430	132.927	139.427	2612.000	0.495
	5.000						
5562.000		76.000	139.440	132.944	139.444	2617.000	0.496
	5.000						
5567.000		76.000	139.460	132.961	139.461	2622.000	0.497
	12.000						
5579.000		76.000	141.500	134.995	141.495	2634.000	0.499
	5.000						
5584.000		76.000	141.510	135.012	141.512	2639.000	0.500
	5.000						
5589.000		76.000	141.530	135.029	141.529	2644.000	0.501
	5.000						
5594.000		76.000	141.550	135.046	141.546	2649.000	0.502
	5.000						
5599.000		76.000	141.560	135.063	141.563	2654.000	0.503
	5.000						
5604.000		76.000	141.580	135.080	141.580	2659.000	0.504
	5.000						
5609.000		76.000	141.600	135.097	141.597	2664.000	0.505
	5.000						
5614.000		76.000	141.610	135.114	141.614	2669.000	0.505

	5.000						
5619.000		76.000	141.630	135.131	141.631	2674.000	0.506
	38.000						
5657.000		76.000	141.760	135.261	141.761	2712.000	0.514
	5.000						
5662.000		76.000	141.780	135.278	141.778	2717.000	0.515
	5.000						
5667.000		76.000	141.800	135.295	141.795	2722.000	0.516
	12.000						
5679.000		76.000	143.830	137.329	143.829	2734.000	0.518
	5.000						
5684.000		76.000	143.850	137.346	143.846	2739.000	0.519
	5.000						
5689.000		76.000	143.860	137.363	143.863	2744.000	0.520
	5.000						
5694.000		76.000	143.880	137.380	143.880	2749.000	0.521
	5.000						
5699.000		76.000	143.900	137.397	143.897	2754.000	0.522
	5.000						
5704.000		76.000	143.910	137.414	143.914	2759.000	0.523
	5.000						
5709.000		76.000	143.930	137.431	143.931	2764.000	0.523
	5.000						
5714.000		76.000	143.950	137.448	143.948	2769.000	0.524
	5.000						
5719.000		76.000	143.970	137.465	143.965	2774.000	0.525
	38.000						
5757.000		76.000	144.090	137.594	144.094	2812.000	0.533
	5.000						
5762.000		76.000	144.110	137.611	144.111	2817.000	0.534
	5.000						
5767.000		76.000	144.130	137.628	144.128	2822.000	0.534
	12.000						
5779.000		76.000	146.160	139.662	146.162	2834.000	0.537
	5.000						
5784.000		76.000	146.180	139.679	146.179	2839.000	0.538
	5.000						
5789.000		76.000	146.200	139.696	146.196	2844.000	0.539
	5.000						
5794.000		76.000	146.210	139.713	146.213	2849.000	0.540
	5.000						
5799.000		76.000	146.230	139.730	146.230	2854.000	0.541
	5.000						
5804.000		76.000	146.250	139.747	146.247	2859.000	0.541
	5.000						
5809.000		76.000	146.260	139.764	146.264	2864.000	0.542
	5.000						
5814.000		76.000	146.280	139.781	146.281	2869.000	0.543
	5.000						
5819.000		76.000	146.300	139.798	146.298	2874.000	0.544
	20.000						
5839.000		76.000	146.370	139.866	146.366	2894.000	0.548
	5.000						
5844.000		76.000	146.380	139.883	146.383	2899.000	0.549
	5.000						
5849.000		76.000	146.400	139.900	146.400	2904.000	0.550
	12.000						
5861.000		76.000	148.430	141.934	148.434	2916.000	0.552
	5.000						
5866.000		76.000	148.450	141.951	148.451	2921.000	0.553
	5.000						
5871.000		76.000	148.470	141.968	148.468	2926.000	0.554
	5.000						
5876.000		76.000	148.490	141.985	148.485	2931.000	0.555
	5.000						
5881.000		76.000	148.500	142.002	148.502	2936.000	0.556
	5.000						
5886.000		76.000	148.520	142.019	148.519	2941.000	0.557
	5.000						
5891.000		76.000	148.540	142.036	148.536	2946.000	0.558
	5.000						
5896.000		76.000	148.550	142.053	148.553	2951.000	0.559
	5.000						
5901.000		76.000	148.570	142.070	148.570	2956.000	0.560
	156.000						
6057.000		76.000	149.100	142.600	149.100	3112.000	0.589
	5.000						

6062.000		76.000	149.120	142.617	149.117	3117.000	0.590
	5.000						
6067.000		76.000	149.130	142.634	149.134	3122.000	0.591
	12.000						
6079.000		76.000	151.170	144.668	151.168	3134.000	0.594
	5.000						
6084.000		76.000	151.190	144.685	151.185	3139.000	0.595
	5.000						
6089.000		76.000	151.200	144.702	151.202	3144.000	0.595
	5.000						
6094.000		76.000	151.220	144.719	151.219	3149.000	0.596
	5.000						
6099.000		76.000	151.240	144.736	151.236	3154.000	0.597
	5.000						
6104.000		76.000	151.250	144.753	151.253	3159.000	0.598
	5.000						
6109.000		76.000	151.270	144.770	151.270	3164.000	0.599
	5.000						
6114.000		76.000	151.290	144.787	151.287	3169.000	0.600
	5.000						
6119.000		76.000	151.300	144.804	151.304	3174.000	0.601
	120.000						
6239.000		76.000	151.710	145.212	151.712	3294.000	0.624
	5.000						
6244.000		76.000	151.730	145.229	151.729	3299.000	0.625
	5.000						
6249.000		76.000	151.750	145.246	151.746	3304.000	0.626
	12.000						
6261.000		76.000	153.780	147.280	153.780	3316.000	0.628
	5.000						
6266.000		76.000	153.800	147.297	153.797	3321.000	0.629
	5.000						
6271.000		76.000	153.810	147.314	153.814	3326.000	0.630
	5.000						
6276.000		76.000	153.830	147.331	153.831	3331.000	0.631
	5.000						
6281.000		76.000	153.850	147.348	153.848	3336.000	0.632
	5.000						
6286.000		76.000	153.870	147.365	153.865	3341.000	0.633
	5.000						
6291.000		76.000	153.880	147.382	153.882	3346.000	0.634
	5.000						
6296.000		76.000	153.900	147.399	153.899	3351.000	0.635
	5.000						
6301.000		76.000	153.920	147.416	153.916	3356.000	0.636
	43.000						
6344.000		76.000	154.060	147.562	154.062	3399.000	0.644
	5.000						
6349.000		76.000	154.080	147.579	154.079	3404.000	0.645
	5.000						
6354.000		76.000	154.100	147.596	154.096	3409.000	0.646
	12.000						
6366.000		76.000	156.130	149.630	156.130	3421.000	0.648
	5.000						
6371.000		76.000	156.150	149.647	156.147	3426.000	0.649
	5.000						
6376.000		76.000	156.160	149.664	156.164	3431.000	0.650
	5.000						
6381.000		76.000	156.180	149.681	156.181	3436.000	0.651
	5.000						
6386.000		76.000	156.200	149.698	156.198	3441.000	0.652
	5.000						
6391.000		76.000	156.220	149.715	156.215	3446.000	0.653
	5.000						
6396.000		76.000	156.230	149.732	156.232	3451.000	0.654
	5.000						
6401.000		76.000	156.250	149.749	156.249	3456.000	0.655
	5.000						
6406.000		76.000	156.270	149.766	156.266	3461.000	0.655
	38.000						
6444.000		76.000	156.400	149.896	156.396	3499.000	0.663
	5.000						
6449.000		76.000	156.410	149.913	156.413	3504.000	0.664
	5.000						
6454.000		76.000	156.430	149.930	156.430	3509.000	0.665
	12.000						
6466.000		76.000	158.460	151.964	158.464	3521.000	0.667

	5.000						
6471.000		76.000	158.480	151.981	158.481	3526.000	0.668
	5.000						
6476.000		76.000	158.500	151.998	158.498	3531.000	0.669
	5.000						
6481.000		76.000	158.520	152.015	158.515	3536.000	0.670
	5.000						
6486.000		76.000	158.530	152.032	158.532	3541.000	0.671
	5.000						
6491.000		76.000	158.550	152.049	158.549	3546.000	0.672
	5.000						
6496.000		76.000	158.570	152.066	158.566	3551.000	0.673
	5.000						
6501.000		76.000	158.580	152.083	158.583	3556.000	0.673
	5.000						
6506.000		76.000	158.600	152.100	158.600	3561.000	0.674
	378.000						
6884.000		76.000	159.890	153.385	159.885	3939.000	0.746
	5.000						
6889.000		76.000	159.900	153.402	159.902	3944.000	0.747
	5.000						
6894.000		76.000	159.920	153.419	159.919	3949.000	0.748
	12.000						
6906.000		76.000	161.950	155.453	161.953	3961.000	0.750
	5.000						
6911.000		76.000	161.970	155.470	161.970	3966.000	0.751
	5.000						
6916.000		76.000	161.990	155.487	161.987	3971.000	0.752
	5.000						
6921.000		76.000	162.000	155.504	162.004	3976.000	0.753
	5.000						
6926.000		76.000	162.020	155.521	162.021	3981.000	0.754
	5.000						
6931.000		76.000	162.040	155.538	162.038	3986.000	0.755
	5.000						
6936.000		76.000	162.060	155.555	162.055	3991.000	0.756
	5.000						
6941.000		76.000	162.070	155.572	162.072	3996.000	0.757
	5.000						
6946.000		76.000	162.090	155.589	162.089	4001.000	0.758
	248.000						
7194.000		76.000	162.930	156.432	162.932	4249.000	0.805
	5.000						
7199.000		76.000	162.950	156.449	162.949	4254.000	0.806
	5.000						
7204.000		76.000	162.970	156.466	162.966	4259.000	0.807
	12.000						
7216.000		76.000	165.000	158.500	165.000	4271.000	0.809
	5.000						
7221.000		76.000	165.020	158.517	165.017	4276.000	0.810
	5.000						
7226.000		76.000	165.030	158.534	165.034	4281.000	0.811
	5.000						
7231.000		76.000	165.050	158.551	165.051	4286.000	0.812
	5.000						
7236.000		76.000	165.070	158.568	165.068	4291.000	0.813
	5.000						
7241.000		76.000	165.090	158.585	165.085	4296.000	0.814
	5.000						
7246.000		76.000	165.100	158.602	165.102	4301.000	0.815
	5.000						
7251.000		76.000	165.120	158.619	165.119	4306.000	0.816
	5.000						
7256.000		76.000	165.140	158.636	165.136	4311.000	0.816
	188.000						
7444.000		76.000	165.780	159.275	165.775	4499.000	0.852
	5.000						
7449.000		76.000	165.790	159.292	165.792	4504.000	0.853
	5.000						
7454.000		76.000	165.810	159.309	165.809	4509.000	0.854
	13.000						
7467.000		76.000	168.840	162.343	168.843	4522.000	0.856
	5.000						
7472.000		76.000	168.860	162.360	168.860	4527.000	0.857
	5.000						
7477.000		76.000	168.880	162.377	168.877	4532.000	0.858
	5.000						

7482.000		76.000	168.890	162.394	168.894	4537.000	0.859
	5.000						
7487.000		76.000	168.910	162.411	168.911	4542.000	0.860
	5.000						
7492.000		76.000	168.930	162.428	168.928	4547.000	0.861
	5.000						
7497.000		76.000	168.950	162.445	168.945	4552.000	0.862
	5.000						
7502.000		76.000	168.960	162.462	168.962	4557.000	0.863
	5.000						
7507.000		76.000	168.980	162.479	168.979	4562.000	0.864
	37.000						
7544.000		76.000	169.110	162.605	169.105	4599.000	0.871
	5.000						
7549.000		76.000	169.120	162.622	169.122	4604.000	0.872
	5.000						
7554.000		76.000	169.140	162.639	169.139	4609.000	0.873
	12.000						
7566.000		76.000	171.170	164.673	171.173	4621.000	0.875
	5.000						
7571.000		76.000	171.190	164.690	171.190	4626.000	0.876
	5.000						
7576.000		76.000	171.210	164.707	171.207	4631.000	0.877
	5.000						
7581.000		76.000	171.220	164.724	171.224	4636.000	0.878
	5.000						
7586.000		76.000	171.240	164.741	171.241	4641.000	0.879
	5.000						
7591.000		76.000	171.260	164.758	171.258	4646.000	0.880
	5.000						
7596.000		76.000	171.280	164.775	171.275	4651.000	0.881
	5.000						
7601.000		76.000	171.290	164.792	171.292	4656.000	0.882
	5.000						
7606.000		76.000	171.310	164.809	171.309	4661.000	0.883
	188.000						
7794.000		76.000	171.950	165.448	171.948	4849.000	0.918
	5.000						
7799.000		76.000	171.970	165.465	171.965	4854.000	0.919
	5.000						
7804.000		76.000	171.980	165.482	171.982	4859.000	0.920
	12.000						
7816.000		76.000	174.020	167.516	174.016	4871.000	0.923
	5.000						
7821.000		76.000	174.030	167.533	174.033	4876.000	0.923
	5.000						
7826.000		76.000	174.050	167.550	174.050	4881.000	0.924
	5.000						
7831.000		76.000	174.070	167.567	174.067	4886.000	0.925
	5.000						
7836.000		76.000	174.080	167.584	174.084	4891.000	0.926
	5.000						
7841.000		76.000	174.100	167.601	174.101	4896.000	0.927
	5.000						
7846.000		76.000	174.120	167.618	174.118	4901.000	0.928
	5.000						
7851.000		76.000	174.140	167.635	174.135	4906.000	0.929
	5.000						
7856.000		76.000	174.150	167.652	174.152	4911.000	0.930
	88.000						
7944.000		76.000	174.450	167.951	174.451	4999.000	0.947
	5.000						
7949.000		76.000	174.470	167.968	174.468	5004.000	0.948
	5.000						
7954.000		76.000	174.490	167.985	174.485	5009.000	0.949
	12.000						
7966.000		76.000	176.520	170.019	176.519	5021.000	0.951
	5.000						
7971.000		76.000	176.540	170.036	176.536	5026.000	0.952
	5.000						
7976.000		76.000	176.550	170.053	176.553	5031.000	0.953
	5.000						
7981.000		76.000	176.570	170.070	176.570	5036.000	0.954
	5.000						
7986.000		76.000	176.590	170.087	176.587	5041.000	0.955
	5.000						
7991.000		76.000	176.600	170.104	176.604	5046.000	0.956

	5.000						
7996.000		76.000	176.620	170.121	176.621	5051.000	0.957
	5.000						
8001.000		76.000	176.640	170.138	176.638	5056.000	0.958
	5.000						
8006.000		76.000	176.660	170.155	176.655	5061.000	0.959
	138.000						
8144.000		76.000	177.130	170.625	177.125	5199.000	0.985
	5.000						
8149.000		76.000	177.140	170.642	177.142	5204.000	0.986
	5.000						
8154.000		76.000	177.160	170.659	177.159	5209.000	0.987
	12.000						
8166.000		76.000	179.190	172.693	179.193	5221.000	0.989
	5.000						
8171.000		76.000	179.210	172.710	179.210	5226.000	0.990
	5.000						
8176.000		76.000	179.230	172.727	179.227	5231.000	0.991
	5.000						
8181.000		76.000	179.240	172.744	179.244	5236.000	0.992
	5.000						
8186.000		76.000	179.260	172.761	179.261	5241.000	0.993
	5.000						
8191.000		76.000	179.280	172.778	179.278	5246.000	0.994
	5.000						
8196.000		76.000	179.300	172.795	179.295	5251.000	0.995
	5.000						
8201.000		76.000	179.310	172.812	179.312	5256.000	0.995
	5.000						
8206.000		76.000	179.330	172.829	179.329	5261.000	0.996
	238.000						
8444.000		76.000	180.140	173.638	180.138	5499.000	1.041
	5.000						
8449.000		76.000	180.160	173.655	180.155	5504.000	1.042
	5.000						
8454.000		76.000	180.170	173.672	180.172	5509.000	1.043
	12.000						
8466.000		76.000	182.210	175.706	182.206	5521.000	1.046
	5.000						
8471.000		76.000	182.220	175.723	182.223	5526.000	1.047
	5.000						
8476.000		76.000	182.240	175.740	182.240	5531.000	1.048
	5.000						
8481.000		76.000	182.260	175.757	182.257	5536.000	1.048
	5.000						
8486.000		76.000	182.270	175.774	182.274	5541.000	1.049
	5.000						
8491.000		76.000	182.290	175.791	182.291	5546.000	1.050
	5.000						
8496.000		76.000	182.310	175.808	182.308	5551.000	1.051
	5.000						
8501.000		76.000	182.330	175.825	182.325	5556.000	1.052
	5.000						
8506.000		76.000	182.340	175.842	182.342	5561.000	1.053
	38.000						
8544.000		76.000	182.470	175.971	182.471	5599.000	1.060
	5.000						
8549.000		76.000	182.490	175.988	182.488	5604.000	1.061
	5.000						
8554.000		76.000	182.510	176.005	182.505	5609.000	1.062
	12.000						
8566.000		76.000	184.540	178.039	184.539	5621.000	1.065
	5.000						
8571.000		76.000	184.560	178.056	184.556	5626.000	1.066
	5.000						
8576.000		76.000	184.570	178.073	184.573	5631.000	1.066
	5.000						
8581.000		76.000	184.590	178.090	184.590	5636.000	1.067
	5.000						
8586.000		76.000	184.610	178.107	184.607	5641.000	1.068
	5.000						
8591.000		76.000	184.620	178.124	184.624	5646.000	1.069
	5.000						
8596.000		76.000	184.640	178.141	184.641	5651.000	1.070
	5.000						
8601.000		76.000	184.660	178.158	184.658	5656.000	1.071
	5.000						

8606.000		76.000	184.680	178.175	184.675	5661.000	1.072
	38.000						
8644.000		76.000	184.800	178.304	184.804	5699.000	1.079
	5.000						
8649.000		76.000	184.820	178.321	184.821	5704.000	1.080
	5.000						
8654.000		76.000	184.840	178.338	184.838	5709.000	1.081
	12.000						
8666.000		76.000	186.870	180.372	186.872	5721.000	1.084
	5.000						
8671.000		76.000	186.890	180.389	186.889	5726.000	1.084
	5.000						
8676.000		76.000	186.910	180.406	186.906	5731.000	1.085
	5.000						
8681.000		76.000	186.920	180.423	186.923	5736.000	1.086
	5.000						
8686.000		76.000	186.940	180.440	186.940	5741.000	1.087
	5.000						
8691.000		76.000	186.960	180.457	186.957	5746.000	1.088
	5.000						
8696.000		76.000	186.970	180.474	186.974	5751.000	1.089
	5.000						
8701.000		76.000	186.990	180.491	186.991	5756.000	1.090
	5.000						
8706.000		76.000	187.010	180.508	187.008	5761.000	1.091
	38.000						
8744.000		76.000	187.140	180.637	187.137	5799.000	1.098
	5.000						
8749.000		76.000	187.150	180.654	187.154	5804.000	1.099
	5.000						
8754.000		76.000	187.170	180.671	187.171	5809.000	1.100
	12.000						
8766.000		76.000	189.210	182.705	189.205	5821.000	1.102
	5.000						
8771.000		76.000	189.220	182.722	189.222	5826.000	1.103
	5.000						
8776.000		76.000	189.240	182.739	189.239	5831.000	1.104
	5.000						
8781.000		76.000	189.260	182.756	189.256	5836.000	1.105
	5.000						
8786.000		76.000	189.270	182.773	189.273	5841.000	1.106
	5.000						
8791.000		76.000	189.290	182.790	189.290	5846.000	1.107
	5.000						
8796.000		76.000	189.310	182.807	189.307	5851.000	1.108
	5.000						
8801.000		76.000	189.320	182.824	189.324	5856.000	1.109
	5.000						
8806.000		76.000	189.340	182.841	189.341	5861.000	1.110
	38.000						
8844.000		76.000	189.470	182.971	189.471	5899.000	1.117
	5.000						
8849.000		76.000	189.490	182.988	189.488	5904.000	1.118
	5.000						
8854.000		76.000	189.510	183.005	189.505	5909.000	1.119
	12.000						
8866.000		76.000	191.540	185.039	191.539	5921.000	1.121
	5.000						
8871.000		76.000	191.560	185.056	191.556	5926.000	1.122
	5.000						
8876.000		76.000	191.570	185.073	191.573	5931.000	1.123
	5.000						
8881.000		76.000	191.590	185.090	191.590	5936.000	1.124
	5.000						
8886.000		76.000	191.610	185.107	191.607	5941.000	1.125
	5.000						
8891.000		76.000	191.620	185.124	191.624	5946.000	1.126
	5.000						
8896.000		76.000	191.640	185.141	191.641	5951.000	1.127
	5.000						
8901.000		76.000	191.660	185.158	191.658	5956.000	1.128
	5.000						
8906.000		76.000	191.680	185.175	191.675	5961.000	1.129
	5.000						
8911.000		76.000	191.690	185.192	191.692	5966.000	1.130
	5.000						
8916.000		76.000	191.710	185.209	191.709	5971.000	1.131

8921.000	5.000	76.000	191.730	185.226	191.726	5976.000	1.132
8926.000	5.000	76.000	191.740	185.243	191.743	5981.000	1.133
8959.000	33.000	76.000	199.990	193.493	199.993	6014.000	1.139

BED MATERIAL GRADATION

SECNO	SAE	DMAX (ft)	DXPI (ft)	XPI	TOTAL BED	BED MATERIAL FRACTIONS per grain size		
2900.000	0.000	0.250	0.210	0.989	0.989	VF SAND 0.058 F SAND 0.060 M SAND 0.070 C SAND 0.103	VC SAND 0.103 VF GRVL 0.160 F GRVL 0.109	M GRVL 0.084 C GRVL 0.061 VC GRVL 0.044
3020.000	0.000	0.250	0.210	0.989	0.847	VF SAND 0.058 F SAND 0.060 M SAND 0.071 C SAND 0.109	VC SAND 0.109 VF GRVL 0.158 F GRVL 0.106	M GRVL 0.080 C GRVL 0.054 VC GRVL 0.042
3025.000	0.000	0.250	0.210	0.989	0.847	VF SAND 0.058 F SAND 0.060 M SAND 0.071 C SAND 0.109	VC SAND 0.109 VF GRVL 0.158 F GRVL 0.106	M GRVL 0.080 C GRVL 0.054 VC GRVL 0.042
3030.000	0.000	0.250	0.210	0.989	0.847	VF SAND 0.058 F SAND 0.060 M SAND 0.071 C SAND 0.109	VC SAND 0.109 VF GRVL 0.158 F GRVL 0.106	M GRVL 0.079 C GRVL 0.054 VC GRVL 0.042
3043.000	0.000	0.250	0.210	0.989	0.846	VF SAND 0.058 F SAND 0.060 M SAND 0.072 C SAND 0.110	VC SAND 0.110 VF GRVL 0.157 F GRVL 0.106	M GRVL 0.079 C GRVL 0.053 VC GRVL 0.042
3048.000	0.000	0.250	0.210	0.989	0.846	VF SAND 0.058 F SAND 0.060 M SAND 0.072 C SAND 0.110	VC SAND 0.110 VF GRVL 0.157 F GRVL 0.106	M GRVL 0.079 C GRVL 0.053 VC GRVL 0.042
3053.000	0.000	0.250	0.210	0.990	0.846	VF SAND 0.059 F SAND 0.060 M SAND 0.072 C SAND 0.110	VC SAND 0.110 VF GRVL 0.157 F GRVL 0.106	M GRVL 0.079 C GRVL 0.053 VC GRVL 0.042
3058.000	0.000	0.250	0.210	0.990	0.846	VF SAND 0.059 F SAND 0.060 M SAND 0.072 C SAND 0.110	VC SAND 0.110 VF GRVL 0.157 F GRVL 0.106	M GRVL 0.078 C GRVL 0.052 VC GRVL 0.042
3063.000	0.000	0.250	0.210	0.990	0.845	VF SAND 0.059 F SAND 0.060 M SAND 0.072 C SAND 0.111	VC SAND 0.111 VF GRVL 0.157 F GRVL 0.106	M GRVL 0.078 C GRVL 0.052 VC GRVL 0.041
3068.000	0.000	0.250	0.210	0.990	0.845	VF SAND 0.059 F SAND 0.060 M SAND 0.072 C SAND 0.111	VC SAND 0.111 VF GRVL 0.157 F GRVL 0.105	M GRVL 0.078 C GRVL 0.052 VC GRVL 0.041
3073.000	0.000	0.250	0.210	0.990	0.845	VF SAND 0.059 F SAND 0.060 M SAND 0.072 C SAND 0.111	VC SAND 0.111 VF GRVL 0.157 F GRVL 0.105	M GRVL 0.078 C GRVL 0.051 VC GRVL 0.041
3078.000	0.000	0.250	0.210	0.990	0.845	VF SAND 0.059 F SAND 0.060 M SAND 0.072 C SAND 0.111	VC SAND 0.111 VF GRVL 0.157 F GRVL 0.105	M GRVL 0.078 C GRVL 0.051 VC GRVL 0.041
3083.000	0.000	0.250	0.210	0.990	0.845	VF SAND 0.059 F SAND 0.060 M SAND 0.072 C SAND 0.111	VC SAND 0.111 VF GRVL 0.156 F GRVL 0.105	M GRVL 0.077 C GRVL 0.051 VC GRVL 0.041

3262.000	0.000	0.250	0.210	0.990	0.837	VF SAND	0.059	VC SAND	0.120	M GRVL	0.071
						F SAND	0.060	VF GRVL	0.153	C GRVL	0.041
						M SAND	0.074	F GRVL	0.102	VC GRVL	0.038
						C SAND	0.120				
3267.000	0.000	0.250	0.210	0.990	0.837	VF SAND	0.060	VC SAND	0.120	M GRVL	0.070
						F SAND	0.060	VF GRVL	0.153	C GRVL	0.040
						M SAND	0.074	F GRVL	0.102	VC GRVL	0.038
						C SAND	0.120				
3272.000	0.000	0.250	0.210	0.990	0.836	VF SAND	0.060	VC SAND	0.120	M GRVL	0.070
						F SAND	0.060	VF GRVL	0.153	C GRVL	0.040
						M SAND	0.074	F GRVL	0.102	VC GRVL	0.038
						C SAND	0.120				
3284.000	0.000	0.250	0.210	0.990	0.990	VF SAND	0.060	VC SAND	0.121	M GRVL	0.070
						F SAND	0.060	VF GRVL	0.152	C GRVL	0.039
						M SAND	0.074	F GRVL	0.101	VC GRVL	0.038
						C SAND	0.121				
3289.000	0.000	0.250	0.210	0.991	0.836	VF SAND	0.060	VC SAND	0.121	M GRVL	0.070
						F SAND	0.060	VF GRVL	0.153	C GRVL	0.039
						M SAND	0.074	F GRVL	0.101	VC GRVL	0.037
						C SAND	0.121				
3294.000	0.000	0.250	0.210	0.991	0.835	VF SAND	0.059	VC SAND	0.120	M GRVL	0.070
						F SAND	0.060	VF GRVL	0.154	C GRVL	0.039
						M SAND	0.074	F GRVL	0.102	VC GRVL	0.037
						C SAND	0.120				
3299.000	0.000	0.250	0.210	0.991	0.835	VF SAND	0.059	VC SAND	0.120	M GRVL	0.070
						F SAND	0.060	VF GRVL	0.155	C GRVL	0.039
						M SAND	0.074	F GRVL	0.102	VC GRVL	0.037
						C SAND	0.120				
3304.000	0.000	0.250	0.210	0.991	0.835	VF SAND	0.059	VC SAND	0.120	M GRVL	0.070
						F SAND	0.060	VF GRVL	0.155	C GRVL	0.039
						M SAND	0.074	F GRVL	0.102	VC GRVL	0.036
						C SAND	0.120				
3309.000	0.000	0.250	0.210	0.991	0.835	VF SAND	0.059	VC SAND	0.120	M GRVL	0.070
						F SAND	0.060	VF GRVL	0.156	C GRVL	0.039
						M SAND	0.074	F GRVL	0.102	VC GRVL	0.036
						C SAND	0.120				
3314.000	0.000	0.250	0.210	0.991	0.835	VF SAND	0.059	VC SAND	0.119	M GRVL	0.070
						F SAND	0.060	VF GRVL	0.157	C GRVL	0.039
						M SAND	0.074	F GRVL	0.102	VC GRVL	0.035
						C SAND	0.119				
3319.000	0.000	0.250	0.210	0.991	0.834	VF SAND	0.059	VC SAND	0.119	M GRVL	0.070
						F SAND	0.060	VF GRVL	0.158	C GRVL	0.039
						M SAND	0.074	F GRVL	0.102	VC GRVL	0.035
						C SAND	0.119				
3324.000	0.000	0.250	0.210	0.991	0.834	VF SAND	0.059	VC SAND	0.119	M GRVL	0.070
						F SAND	0.060	VF GRVL	0.159	C GRVL	0.039
						M SAND	0.074	F GRVL	0.102	VC GRVL	0.034
						C SAND	0.119				
3332.000	0.000	0.250	0.210	0.991	0.834	VF SAND	0.059	VC SAND	0.119	M GRVL	0.070
						F SAND	0.060	VF GRVL	0.160	C GRVL	0.039
						M SAND	0.074	F GRVL	0.102	VC GRVL	0.034
						C SAND	0.119				
3337.000	0.000	0.250	0.210	0.992	0.834	VF SAND	0.059	VC SAND	0.118	M GRVL	0.069
						F SAND	0.059	VF GRVL	0.161	C GRVL	0.039
						M SAND	0.074	F GRVL	0.103	VC GRVL	0.033
						C SAND	0.118				
3342.000	0.000	0.250	0.210	0.992	0.834	VF SAND	0.059	VC SAND	0.118	M GRVL	0.069
						F SAND	0.059	VF GRVL	0.162	C GRVL	0.039
						M SAND	0.074	F GRVL	0.103	VC GRVL	0.033
						C SAND	0.118				
3347.000	0.000	0.250	0.210	0.992	0.833	VF SAND	0.058	VC SAND	0.118	M GRVL	0.069
						F SAND	0.059	VF GRVL	0.162	C GRVL	0.039

						M	SAND	0.074	F	GRVL	0.103	VC	GRVL	0.033
						C	SAND	0.118						
3352.000	0.000	0.250	0.210	0.992	0.833	VF	SAND	0.058	VC	SAND	0.118	M	GRVL	0.069
						F	SAND	0.059	VF	GRVL	0.163	C	GRVL	0.039
						M	SAND	0.073	F	GRVL	0.103	VC	GRVL	0.032
						C	SAND	0.118						
3357.000	0.000	0.250	0.210	0.992	0.833	VF	SAND	0.058	VC	SAND	0.118	M	GRVL	0.069
						F	SAND	0.059	VF	GRVL	0.164	C	GRVL	0.039
						M	SAND	0.073	F	GRVL	0.103	VC	GRVL	0.032
						C	SAND	0.118						
3362.000	0.000	0.250	0.210	0.992	0.833	VF	SAND	0.058	VC	SAND	0.117	M	GRVL	0.069
						F	SAND	0.059	VF	GRVL	0.165	C	GRVL	0.039
						M	SAND	0.073	F	GRVL	0.103	VC	GRVL	0.031
						C	SAND	0.117						
3374.000	0.000	0.250	0.210	0.992	0.832	VF	SAND	0.058	VC	SAND	0.117	M	GRVL	0.069
						F	SAND	0.059	VF	GRVL	0.167	C	GRVL	0.039
						M	SAND	0.073	F	GRVL	0.103	VC	GRVL	0.030
						C	SAND	0.117						
3379.000	0.000	0.250	0.210	0.992	0.832	VF	SAND	0.058	VC	SAND	0.117	M	GRVL	0.069
						F	SAND	0.059	VF	GRVL	0.168	C	GRVL	0.039
						M	SAND	0.073	F	GRVL	0.103	VC	GRVL	0.030
						C	SAND	0.117						
3384.000	0.000	0.250	0.210	0.993	0.832	VF	SAND	0.058	VC	SAND	0.116	M	GRVL	0.069
						F	SAND	0.059	VF	GRVL	0.168	C	GRVL	0.039
						M	SAND	0.073	F	GRVL	0.104	VC	GRVL	0.029
						C	SAND	0.116						
3389.000	0.000	0.250	0.210	0.993	0.832	VF	SAND	0.058	VC	SAND	0.116	M	GRVL	0.069
						F	SAND	0.059	VF	GRVL	0.169	C	GRVL	0.039
						M	SAND	0.073	F	GRVL	0.104	VC	GRVL	0.029
						C	SAND	0.116						
3394.000	0.000	0.250	0.210	0.993	0.831	VF	SAND	0.058	VC	SAND	0.116	M	GRVL	0.069
						F	SAND	0.059	VF	GRVL	0.170	C	GRVL	0.039
						M	SAND	0.073	F	GRVL	0.104	VC	GRVL	0.029
						C	SAND	0.116						
3399.000	0.000	0.250	0.210	0.993	0.831	VF	SAND	0.057	VC	SAND	0.116	M	GRVL	0.069
						F	SAND	0.059	VF	GRVL	0.171	C	GRVL	0.039
						M	SAND	0.073	F	GRVL	0.104	VC	GRVL	0.028
						C	SAND	0.116						
3404.000	0.000	0.250	0.210	0.993	0.831	VF	SAND	0.057	VC	SAND	0.115	M	GRVL	0.069
						F	SAND	0.059	VF	GRVL	0.172	C	GRVL	0.039
						M	SAND	0.073	F	GRVL	0.104	VC	GRVL	0.028
						C	SAND	0.115						
3409.000	0.000	0.250	0.210	0.993	0.831	VF	SAND	0.057	VC	SAND	0.115	M	GRVL	0.069
						F	SAND	0.059	VF	GRVL	0.172	C	GRVL	0.039
						M	SAND	0.073	F	GRVL	0.104	VC	GRVL	0.027
						C	SAND	0.115						
3414.000	0.000	0.250	0.210	0.993	0.831	VF	SAND	0.057	VC	SAND	0.115	M	GRVL	0.069
						F	SAND	0.059	VF	GRVL	0.173	C	GRVL	0.039
						M	SAND	0.073	F	GRVL	0.104	VC	GRVL	0.027
						C	SAND	0.115						
3430.000	0.000	0.250	0.210	0.994	0.830	VF	SAND	0.057	VC	SAND	0.114	M	GRVL	0.069
						F	SAND	0.059	VF	GRVL	0.176	C	GRVL	0.038
						M	SAND	0.073	F	GRVL	0.105	VC	GRVL	0.025
						C	SAND	0.114						
3435.000	0.000	0.250	0.210	0.994	0.830	VF	SAND	0.057	VC	SAND	0.114	M	GRVL	0.069
						F	SAND	0.059	VF	GRVL	0.177	C	GRVL	0.038
						M	SAND	0.073	F	GRVL	0.105	VC	GRVL	0.025
						C	SAND	0.114						
3440.000	0.000	0.250	0.210	0.994	0.830	VF	SAND	0.057	VC	SAND	0.114	M	GRVL	0.069
						F	SAND	0.059	VF	GRVL	0.177	C	GRVL	0.038
						M	SAND	0.073	F	GRVL	0.105	VC	GRVL	0.025
						C	SAND	0.114						

3452.000	0.000	0.250	0.210	0.994	0.829	VF SAND	0.056	VC SAND	0.113	M GRVL	0.069
						F SAND	0.058	VF GRVL	0.179	C GRVL	0.038
						M SAND	0.072	F GRVL	0.105	VC GRVL	0.024
						C SAND	0.113				
3457.000	0.000	0.250	0.210	0.994	0.829	VF SAND	0.056	VC SAND	0.113	M GRVL	0.069
						F SAND	0.058	VF GRVL	0.180	C GRVL	0.038
						M SAND	0.072	F GRVL	0.105	VC GRVL	0.023
						C SAND	0.113				
3462.000	0.000	0.250	0.210	0.994	0.829	VF SAND	0.056	VC SAND	0.113	M GRVL	0.069
						F SAND	0.058	VF GRVL	0.181	C GRVL	0.038
						M SAND	0.072	F GRVL	0.105	VC GRVL	0.023
						C SAND	0.113				
3467.000	0.000	0.250	0.210	0.994	0.829	VF SAND	0.056	VC SAND	0.113	M GRVL	0.069
						F SAND	0.058	VF GRVL	0.182	C GRVL	0.038
						M SAND	0.072	F GRVL	0.105	VC GRVL	0.022
						C SAND	0.113				
3472.000	0.000	0.250	0.210	0.994	0.828	VF SAND	0.056	VC SAND	0.112	M GRVL	0.069
						F SAND	0.058	VF GRVL	0.183	C GRVL	0.038
						M SAND	0.072	F GRVL	0.106	VC GRVL	0.022
						C SAND	0.112				
3477.000	0.000	0.250	0.210	0.995	0.828	VF SAND	0.056	VC SAND	0.112	M GRVL	0.069
						F SAND	0.058	VF GRVL	0.183	C GRVL	0.038
						M SAND	0.072	F GRVL	0.106	VC GRVL	0.022
						C SAND	0.112				
3482.000	0.000	0.250	0.210	0.995	0.828	VF SAND	0.056	VC SAND	0.112	M GRVL	0.069
						F SAND	0.058	VF GRVL	0.184	C GRVL	0.038
						M SAND	0.072	F GRVL	0.106	VC GRVL	0.021
						C SAND	0.112				
3487.000	0.000	0.250	0.210	0.995	0.828	VF SAND	0.056	VC SAND	0.112	M GRVL	0.069
						F SAND	0.058	VF GRVL	0.185	C GRVL	0.038
						M SAND	0.072	F GRVL	0.106	VC GRVL	0.021
						C SAND	0.112				
3492.000	0.000	0.250	0.210	0.995	0.828	VF SAND	0.056	VC SAND	0.111	M GRVL	0.069
						F SAND	0.058	VF GRVL	0.186	C GRVL	0.038
						M SAND	0.072	F GRVL	0.106	VC GRVL	0.020
						C SAND	0.111				
3560.000	0.000	0.250	0.210	0.996	0.825	VF SAND	0.054	VC SAND	0.108	M GRVL	0.068
						F SAND	0.057	VF GRVL	0.197	C GRVL	0.038
						M SAND	0.071	F GRVL	0.107	VC GRVL	0.014
						C SAND	0.108				
3565.000	0.000	0.250	0.210	0.996	0.825	VF SAND	0.054	VC SAND	0.108	M GRVL	0.068
						F SAND	0.057	VF GRVL	0.198	C GRVL	0.038
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.014
						C SAND	0.108				
3570.000	0.000	0.250	0.210	0.997	0.824	VF SAND	0.054	VC SAND	0.108	M GRVL	0.068
						F SAND	0.057	VF GRVL	0.198	C GRVL	0.038
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.014
						C SAND	0.108				
3582.000	0.000	0.250	0.210	0.997	0.997	VF SAND	0.054	VC SAND	0.107	M GRVL	0.068
						F SAND	0.057	VF GRVL	0.200	C GRVL	0.038
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.013
						C SAND	0.107				
3587.000	0.000	0.250	0.210	0.997	0.824	VF SAND	0.054	VC SAND	0.107	M GRVL	0.069
						F SAND	0.057	VF GRVL	0.199	C GRVL	0.038
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.013
						C SAND	0.107				
3592.000	0.000	0.250	0.210	0.997	0.824	VF SAND	0.054	VC SAND	0.107	M GRVL	0.069
						F SAND	0.057	VF GRVL	0.198	C GRVL	0.038
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.014
						C SAND	0.107				
3597.000	0.000	0.250	0.210	0.996	0.824	VF SAND	0.054	VC SAND	0.107	M GRVL	0.069
						F SAND	0.057	VF GRVL	0.197	C GRVL	0.038

						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.014
						C	SAND	0.107						
3602.000	0.000	0.250	0.210	0.996	0.823	VF	SAND	0.055	VC	SAND	0.107	M	GRVL	0.069
						F	SAND	0.057	VF	GRVL	0.196	C	GRVL	0.039
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.015
						C	SAND	0.107						
3607.000	0.000	0.250	0.210	0.996	0.823	VF	SAND	0.055	VC	SAND	0.107	M	GRVL	0.069
						F	SAND	0.057	VF	GRVL	0.195	C	GRVL	0.039
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.015
						C	SAND	0.107						
3612.000	0.000	0.250	0.210	0.996	0.823	VF	SAND	0.055	VC	SAND	0.107	M	GRVL	0.070
						F	SAND	0.057	VF	GRVL	0.194	C	GRVL	0.039
						M	SAND	0.071	F	GRVL	0.107	VC	GRVL	0.016
						C	SAND	0.107						
3617.000	0.000	0.250	0.210	0.996	0.823	VF	SAND	0.055	VC	SAND	0.107	M	GRVL	0.070
						F	SAND	0.057	VF	GRVL	0.193	C	GRVL	0.040
						M	SAND	0.070	F	GRVL	0.107	VC	GRVL	0.016
						C	SAND	0.107						
3622.000	0.000	0.250	0.210	0.996	0.823	VF	SAND	0.055	VC	SAND	0.107	M	GRVL	0.070
						F	SAND	0.057	VF	GRVL	0.192	C	GRVL	0.040
						M	SAND	0.070	F	GRVL	0.107	VC	GRVL	0.017
						C	SAND	0.107						
3634.000	0.000	0.250	0.210	0.995	0.823	VF	SAND	0.055	VC	SAND	0.107	M	GRVL	0.071
						F	SAND	0.057	VF	GRVL	0.189	C	GRVL	0.041
						M	SAND	0.070	F	GRVL	0.107	VC	GRVL	0.018
						C	SAND	0.107						
3639.000	0.000	0.250	0.210	0.995	0.823	VF	SAND	0.055	VC	SAND	0.107	M	GRVL	0.071
						F	SAND	0.057	VF	GRVL	0.188	C	GRVL	0.041
						M	SAND	0.070	F	GRVL	0.107	VC	GRVL	0.019
						C	SAND	0.107						
3644.000	0.000	0.250	0.210	0.995	0.822	VF	SAND	0.056	VC	SAND	0.107	M	GRVL	0.071
						F	SAND	0.057	VF	GRVL	0.187	C	GRVL	0.041
						M	SAND	0.070	F	GRVL	0.107	VC	GRVL	0.019
						C	SAND	0.107						
3656.000	0.000	0.250	0.210	0.995	0.822	VF	SAND	0.056	VC	SAND	0.107	M	GRVL	0.071
						F	SAND	0.057	VF	GRVL	0.185	C	GRVL	0.042
						M	SAND	0.070	F	GRVL	0.107	VC	GRVL	0.020
						C	SAND	0.107						
3661.000	0.000	0.250	0.210	0.995	0.822	VF	SAND	0.056	VC	SAND	0.107	M	GRVL	0.072
						F	SAND	0.057	VF	GRVL	0.184	C	GRVL	0.042
						M	SAND	0.070	F	GRVL	0.107	VC	GRVL	0.021
						C	SAND	0.107						
3666.000	0.000	0.250	0.210	0.995	0.822	VF	SAND	0.056	VC	SAND	0.107	M	GRVL	0.072
						F	SAND	0.057	VF	GRVL	0.182	C	GRVL	0.042
						M	SAND	0.070	F	GRVL	0.106	VC	GRVL	0.021
						C	SAND	0.107						
3671.000	0.000	0.250	0.210	0.994	0.822	VF	SAND	0.056	VC	SAND	0.107	M	GRVL	0.072
						F	SAND	0.057	VF	GRVL	0.181	C	GRVL	0.043
						M	SAND	0.070	F	GRVL	0.106	VC	GRVL	0.022
						C	SAND	0.107						
3676.000	0.000	0.250	0.210	0.994	0.822	VF	SAND	0.056	VC	SAND	0.107	M	GRVL	0.072
						F	SAND	0.057	VF	GRVL	0.180	C	GRVL	0.043
						M	SAND	0.069	F	GRVL	0.106	VC	GRVL	0.022
						C	SAND	0.107						
3681.000	0.000	0.250	0.210	0.994	0.821	VF	SAND	0.056	VC	SAND	0.107	M	GRVL	0.073
						F	SAND	0.057	VF	GRVL	0.179	C	GRVL	0.043
						M	SAND	0.069	F	GRVL	0.106	VC	GRVL	0.023
						C	SAND	0.107						
3686.000	0.000	0.250	0.210	0.994	0.821	VF	SAND	0.057	VC	SAND	0.107	M	GRVL	0.073
						F	SAND	0.057	VF	GRVL	0.178	C	GRVL	0.043
						M	SAND	0.069	F	GRVL	0.106	VC	GRVL	0.024
						C	SAND	0.107						

3691.000	0.000	0.250	0.210	0.994	0.821	VF SAND	0.057	VC SAND	0.107	M GRVL	0.073
						F SAND	0.056	VF GRVL	0.177	C GRVL	0.044
						M SAND	0.069	F GRVL	0.106	VC GRVL	0.024
						C SAND	0.107				
3696.000	0.000	0.250	0.210	0.994	0.821	VF SAND	0.057	VC SAND	0.107	M GRVL	0.073
						F SAND	0.056	VF GRVL	0.176	C GRVL	0.044
						M SAND	0.069	F GRVL	0.106	VC GRVL	0.025
						C SAND	0.107				
3746.000	0.000	0.250	0.210	0.994	0.821	VF SAND	0.057	VC SAND	0.107	M GRVL	0.073
						F SAND	0.056	VF GRVL	0.175	C GRVL	0.044
						M SAND	0.069	F GRVL	0.106	VC GRVL	0.025
						C SAND	0.107				
3751.000	0.000	0.250	0.210	0.994	0.821	VF SAND	0.057	VC SAND	0.107	M GRVL	0.074
						F SAND	0.056	VF GRVL	0.174	C GRVL	0.045
						M SAND	0.069	F GRVL	0.106	VC GRVL	0.026
						C SAND	0.107				
3756.000	0.000	0.250	0.210	0.993	0.821	VF SAND	0.057	VC SAND	0.107	M GRVL	0.074
						F SAND	0.056	VF GRVL	0.173	C GRVL	0.045
						M SAND	0.069	F GRVL	0.106	VC GRVL	0.026
						C SAND	0.107				
3768.000	0.000	0.250	0.210	0.993	0.820	VF SAND	0.057	VC SAND	0.107	M GRVL	0.074
						F SAND	0.056	VF GRVL	0.170	C GRVL	0.046
						M SAND	0.069	F GRVL	0.105	VC GRVL	0.027
						C SAND	0.107				
3773.000	0.000	0.250	0.210	0.993	0.820	VF SAND	0.058	VC SAND	0.107	M GRVL	0.075
						F SAND	0.056	VF GRVL	0.169	C GRVL	0.046
						M SAND	0.069	F GRVL	0.105	VC GRVL	0.028
						C SAND	0.107				
3778.000	0.000	0.250	0.210	0.993	0.820	VF SAND	0.058	VC SAND	0.107	M GRVL	0.075
						F SAND	0.056	VF GRVL	0.168	C GRVL	0.046
						M SAND	0.068	F GRVL	0.105	VC GRVL	0.028
						C SAND	0.107				
3783.000	0.000	0.250	0.210	0.993	0.820	VF SAND	0.058	VC SAND	0.107	M GRVL	0.075
						F SAND	0.056	VF GRVL	0.167	C GRVL	0.046
						M SAND	0.068	F GRVL	0.105	VC GRVL	0.029
						C SAND	0.107				
3788.000	0.000	0.250	0.210	0.993	0.820	VF SAND	0.058	VC SAND	0.107	M GRVL	0.075
						F SAND	0.056	VF GRVL	0.166	C GRVL	0.047
						M SAND	0.068	F GRVL	0.105	VC GRVL	0.029
						C SAND	0.107				
3793.000	0.000	0.250	0.210	0.992	0.820	VF SAND	0.058	VC SAND	0.107	M GRVL	0.075
						F SAND	0.056	VF GRVL	0.165	C GRVL	0.047
						M SAND	0.068	F GRVL	0.105	VC GRVL	0.030
						C SAND	0.107				
3798.000	0.000	0.250	0.210	0.992	0.820	VF SAND	0.058	VC SAND	0.107	M GRVL	0.076
						F SAND	0.056	VF GRVL	0.164	C GRVL	0.047
						M SAND	0.068	F GRVL	0.105	VC GRVL	0.031
						C SAND	0.107				
3803.000	0.000	0.250	0.210	0.992	0.819	VF SAND	0.058	VC SAND	0.107	M GRVL	0.076
						F SAND	0.056	VF GRVL	0.163	C GRVL	0.048
						M SAND	0.068	F GRVL	0.105	VC GRVL	0.031
						C SAND	0.107				
3808.000	0.000	0.250	0.210	0.992	0.819	VF SAND	0.058	VC SAND	0.107	M GRVL	0.076
						F SAND	0.056	VF GRVL	0.162	C GRVL	0.048
						M SAND	0.068	F GRVL	0.105	VC GRVL	0.032
						C SAND	0.107				
3827.000	0.000	0.250	0.210	0.992	0.819	VF SAND	0.059	VC SAND	0.107	M GRVL	0.077
						F SAND	0.056	VF GRVL	0.158	C GRVL	0.049
						M SAND	0.068	F GRVL	0.104	VC GRVL	0.034
						C SAND	0.107				
3832.000	0.000	0.250	0.210	0.991	0.819	VF SAND	0.059	VC SAND	0.107	M GRVL	0.077
						F SAND	0.056	VF GRVL	0.157	C GRVL	0.049

						M	SAND	0.068	F	GRVL	0.104	VC	GRVL	0.034
						C	SAND	0.107						
3837.000	0.000	0.250	0.210	0.991	0.818	VF	SAND	0.059	VC	SAND	0.107	M	GRVL	0.077
						F	SAND	0.056	VF	GRVL	0.156	C	GRVL	0.050
						M	SAND	0.067	F	GRVL	0.104	VC	GRVL	0.035
						C	SAND	0.107						
3849.000	0.000	0.250	0.210	0.991	0.818	VF	SAND	0.059	VC	SAND	0.107	M	GRVL	0.078
						F	SAND	0.056	VF	GRVL	0.153	C	GRVL	0.050
						M	SAND	0.067	F	GRVL	0.104	VC	GRVL	0.036
						C	SAND	0.107						
3854.000	0.000	0.250	0.210	0.991	0.818	VF	SAND	0.060	VC	SAND	0.107	M	GRVL	0.078
						F	SAND	0.056	VF	GRVL	0.152	C	GRVL	0.050
						M	SAND	0.067	F	GRVL	0.104	VC	GRVL	0.036
						C	SAND	0.107						
3859.000	0.000	0.250	0.210	0.991	0.818	VF	SAND	0.060	VC	SAND	0.107	M	GRVL	0.078
						F	SAND	0.056	VF	GRVL	0.151	C	GRVL	0.051
						M	SAND	0.067	F	GRVL	0.104	VC	GRVL	0.037
						C	SAND	0.107						
3864.000	0.000	0.250	0.210	0.991	0.818	VF	SAND	0.060	VC	SAND	0.107	M	GRVL	0.078
						F	SAND	0.056	VF	GRVL	0.150	C	GRVL	0.051
						M	SAND	0.067	F	GRVL	0.104	VC	GRVL	0.037
						C	SAND	0.107						
3869.000	0.000	0.250	0.210	0.990	0.818	VF	SAND	0.060	VC	SAND	0.107	M	GRVL	0.079
						F	SAND	0.055	VF	GRVL	0.149	C	GRVL	0.051
						M	SAND	0.067	F	GRVL	0.104	VC	GRVL	0.038
						C	SAND	0.107						
3874.000	0.000	0.250	0.210	0.990	0.817	VF	SAND	0.060	VC	SAND	0.107	M	GRVL	0.079
						F	SAND	0.055	VF	GRVL	0.148	C	GRVL	0.052
						M	SAND	0.067	F	GRVL	0.104	VC	GRVL	0.039
						C	SAND	0.107						
3879.000	0.000	0.250	0.210	0.990	0.817	VF	SAND	0.060	VC	SAND	0.107	M	GRVL	0.079
						F	SAND	0.055	VF	GRVL	0.147	C	GRVL	0.052
						M	SAND	0.067	F	GRVL	0.104	VC	GRVL	0.039
						C	SAND	0.107						
3884.000	0.000	0.250	0.210	0.990	0.817	VF	SAND	0.060	VC	SAND	0.107	M	GRVL	0.079
						F	SAND	0.055	VF	GRVL	0.146	C	GRVL	0.052
						M	SAND	0.067	F	GRVL	0.103	VC	GRVL	0.040
						C	SAND	0.107						
3889.000	0.000	0.250	0.210	0.990	0.817	VF	SAND	0.060	VC	SAND	0.107	M	GRVL	0.079
						F	SAND	0.055	VF	GRVL	0.145	C	GRVL	0.052
						M	SAND	0.067	F	GRVL	0.103	VC	GRVL	0.040
						C	SAND	0.107						
3906.000	0.000	0.250	0.210	0.989	0.817	VF	SAND	0.061	VC	SAND	0.107	M	GRVL	0.080
						F	SAND	0.055	VF	GRVL	0.141	C	GRVL	0.053
						M	SAND	0.066	F	GRVL	0.103	VC	GRVL	0.042
						C	SAND	0.107						
3911.000	0.000	0.250	0.210	0.989	0.817	VF	SAND	0.061	VC	SAND	0.107	M	GRVL	0.080
						F	SAND	0.055	VF	GRVL	0.140	C	GRVL	0.054
						M	SAND	0.066	F	GRVL	0.103	VC	GRVL	0.042
						C	SAND	0.107						
3916.000	0.000	0.250	0.210	0.989	0.816	VF	SAND	0.061	VC	SAND	0.107	M	GRVL	0.081
						F	SAND	0.055	VF	GRVL	0.139	C	GRVL	0.054
						M	SAND	0.066	F	GRVL	0.103	VC	GRVL	0.043
						C	SAND	0.107						
3928.000	0.000	0.250	0.210	0.989	0.989	VF	SAND	0.061	VC	SAND	0.107	M	GRVL	0.081
						F	SAND	0.055	VF	GRVL	0.136	C	GRVL	0.055
						M	SAND	0.066	F	GRVL	0.103	VC	GRVL	0.044
						C	SAND	0.107						
3933.000	0.000	0.250	0.210	0.989	0.817	VF	SAND	0.061	VC	SAND	0.108	M	GRVL	0.081
						F	SAND	0.055	VF	GRVL	0.136	C	GRVL	0.055
						M	SAND	0.066	F	GRVL	0.103	VC	GRVL	0.044
						C	SAND	0.108						

3938.000	0.000	0.250	0.210	0.989	0.817	VF SAND	0.062	VC SAND	0.108	M GRVL	0.081
						F SAND	0.055	VF GRVL	0.136	C GRVL	0.055
						M SAND	0.066	F GRVL	0.103	VC GRVL	0.044
						C SAND	0.108				
3943.000	0.000	0.250	0.210	0.989	0.818	VF SAND	0.062	VC SAND	0.108	M GRVL	0.081
						F SAND	0.055	VF GRVL	0.136	C GRVL	0.055
						M SAND	0.066	F GRVL	0.102	VC GRVL	0.044
						C SAND	0.108				
3948.000	0.000	0.250	0.210	0.989	0.818	VF SAND	0.062	VC SAND	0.109	M GRVL	0.081
						F SAND	0.055	VF GRVL	0.136	C GRVL	0.055
						M SAND	0.066	F GRVL	0.102	VC GRVL	0.044
						C SAND	0.109				
3953.000	0.000	0.250	0.210	0.989	0.819	VF SAND	0.062	VC SAND	0.109	M GRVL	0.081
						F SAND	0.055	VF GRVL	0.136	C GRVL	0.055
						M SAND	0.066	F GRVL	0.102	VC GRVL	0.044
						C SAND	0.109				
3958.000	0.000	0.250	0.210	0.989	0.819	VF SAND	0.062	VC SAND	0.109	M GRVL	0.081
						F SAND	0.055	VF GRVL	0.136	C GRVL	0.055
						M SAND	0.066	F GRVL	0.102	VC GRVL	0.044
						C SAND	0.109				
3963.000	0.000	0.250	0.210	0.989	0.820	VF SAND	0.062	VC SAND	0.110	M GRVL	0.081
						F SAND	0.055	VF GRVL	0.136	C GRVL	0.055
						M SAND	0.066	F GRVL	0.102	VC GRVL	0.044
						C SAND	0.110				
3968.000	0.000	0.250	0.210	0.989	0.820	VF SAND	0.062	VC SAND	0.110	M GRVL	0.081
						F SAND	0.055	VF GRVL	0.136	C GRVL	0.054
						M SAND	0.067	F GRVL	0.102	VC GRVL	0.043
						C SAND	0.110				
3981.000	0.000	0.250	0.210	0.989	0.822	VF SAND	0.062	VC SAND	0.111	M GRVL	0.080
						F SAND	0.055	VF GRVL	0.136	C GRVL	0.054
						M SAND	0.067	F GRVL	0.102	VC GRVL	0.043
						C SAND	0.111				
3986.000	0.000	0.250	0.210	0.989	0.822	VF SAND	0.062	VC SAND	0.111	M GRVL	0.080
						F SAND	0.055	VF GRVL	0.136	C GRVL	0.054
						M SAND	0.067	F GRVL	0.102	VC GRVL	0.043
						C SAND	0.111				
3991.000	0.000	0.250	0.210	0.989	0.823	VF SAND	0.062	VC SAND	0.111	M GRVL	0.080
						F SAND	0.055	VF GRVL	0.136	C GRVL	0.054
						M SAND	0.067	F GRVL	0.102	VC GRVL	0.043
						C SAND	0.111				
4003.000	0.000	0.250	0.210	0.989	0.824	VF SAND	0.062	VC SAND	0.112	M GRVL	0.080
						F SAND	0.056	VF GRVL	0.136	C GRVL	0.054
						M SAND	0.067	F GRVL	0.102	VC GRVL	0.043
						C SAND	0.112				
4008.000	0.000	0.250	0.210	0.989	0.825	VF SAND	0.062	VC SAND	0.113	M GRVL	0.080
						F SAND	0.056	VF GRVL	0.136	C GRVL	0.054
						M SAND	0.067	F GRVL	0.101	VC GRVL	0.043
						C SAND	0.113				
4013.000	0.000	0.250	0.210	0.989	0.825	VF SAND	0.062	VC SAND	0.113	M GRVL	0.080
						F SAND	0.056	VF GRVL	0.136	C GRVL	0.054
						M SAND	0.067	F GRVL	0.101	VC GRVL	0.043
						C SAND	0.113				
4018.000	0.000	0.250	0.210	0.989	0.826	VF SAND	0.062	VC SAND	0.113	M GRVL	0.080
						F SAND	0.056	VF GRVL	0.136	C GRVL	0.054
						M SAND	0.067	F GRVL	0.101	VC GRVL	0.043
						C SAND	0.113				
4023.000	0.000	0.250	0.210	0.989	0.826	VF SAND	0.062	VC SAND	0.113	M GRVL	0.080
						F SAND	0.056	VF GRVL	0.136	C GRVL	0.054
						M SAND	0.067	F GRVL	0.101	VC GRVL	0.042
						C SAND	0.113				
4028.000	0.000	0.250	0.210	0.989	0.827	VF SAND	0.062	VC SAND	0.114	M GRVL	0.080
						F SAND	0.056	VF GRVL	0.136	C GRVL	0.054

						M	SAND	0.067	F	GRVL	0.101	VC	GRVL	0.042
						C	SAND	0.114						
4033.000	0.000	0.250	0.210	0.989	0.827	VF	SAND	0.063	VC	SAND	0.114	M	GRVL	0.080
						F	SAND	0.056	VF	GRVL	0.136	C	GRVL	0.054
						M	SAND	0.068	F	GRVL	0.101	VC	GRVL	0.042
						C	SAND	0.114						
4038.000	0.000	0.250	0.210	0.989	0.828	VF	SAND	0.063	VC	SAND	0.114	M	GRVL	0.080
						F	SAND	0.056	VF	GRVL	0.136	C	GRVL	0.054
						M	SAND	0.068	F	GRVL	0.101	VC	GRVL	0.042
						C	SAND	0.114						
4043.000	0.000	0.250	0.210	0.989	0.829	VF	SAND	0.063	VC	SAND	0.115	M	GRVL	0.080
						F	SAND	0.056	VF	GRVL	0.136	C	GRVL	0.054
						M	SAND	0.068	F	GRVL	0.101	VC	GRVL	0.042
						C	SAND	0.115						
4184.000	0.000	0.250	0.210	0.990	0.844	VF	SAND	0.064	VC	SAND	0.124	M	GRVL	0.078
						F	SAND	0.057	VF	GRVL	0.136	C	GRVL	0.053
						M	SAND	0.070	F	GRVL	0.099	VC	GRVL	0.040
						C	SAND	0.124						
4189.000	0.000	0.250	0.210	0.990	0.844	VF	SAND	0.064	VC	SAND	0.124	M	GRVL	0.078
						F	SAND	0.057	VF	GRVL	0.136	C	GRVL	0.053
						M	SAND	0.070	F	GRVL	0.099	VC	GRVL	0.039
						C	SAND	0.124						
4194.000	0.000	0.250	0.210	0.990	0.845	VF	SAND	0.064	VC	SAND	0.124	M	GRVL	0.078
						F	SAND	0.057	VF	GRVL	0.136	C	GRVL	0.053
						M	SAND	0.070	F	GRVL	0.099	VC	GRVL	0.039
						C	SAND	0.124						
4206.000	0.000	0.250	0.210	0.990	0.846	VF	SAND	0.064	VC	SAND	0.125	M	GRVL	0.077
						F	SAND	0.057	VF	GRVL	0.136	C	GRVL	0.053
						M	SAND	0.070	F	GRVL	0.098	VC	GRVL	0.039
						C	SAND	0.125						
4211.000	0.000	0.250	0.210	0.990	0.847	VF	SAND	0.064	VC	SAND	0.126	M	GRVL	0.077
						F	SAND	0.057	VF	GRVL	0.136	C	GRVL	0.053
						M	SAND	0.070	F	GRVL	0.098	VC	GRVL	0.039
						C	SAND	0.126						
4216.000	0.000	0.250	0.210	0.990	0.847	VF	SAND	0.064	VC	SAND	0.126	M	GRVL	0.077
						F	SAND	0.057	VF	GRVL	0.136	C	GRVL	0.053
						M	SAND	0.070	F	GRVL	0.098	VC	GRVL	0.039
						C	SAND	0.126						
4221.000	0.000	0.250	0.210	0.990	0.848	VF	SAND	0.065	VC	SAND	0.126	M	GRVL	0.077
						F	SAND	0.057	VF	GRVL	0.136	C	GRVL	0.053
						M	SAND	0.070	F	GRVL	0.098	VC	GRVL	0.039
						C	SAND	0.126						
4226.000	0.000	0.250	0.210	0.990	0.848	VF	SAND	0.065	VC	SAND	0.126	M	GRVL	0.077
						F	SAND	0.057	VF	GRVL	0.136	C	GRVL	0.053
						M	SAND	0.070	F	GRVL	0.098	VC	GRVL	0.039
						C	SAND	0.126						
4231.000	0.000	0.250	0.210	0.990	0.849	VF	SAND	0.065	VC	SAND	0.127	M	GRVL	0.077
						F	SAND	0.057	VF	GRVL	0.136	C	GRVL	0.053
						M	SAND	0.070	F	GRVL	0.098	VC	GRVL	0.039
						C	SAND	0.127						
4236.000	0.000	0.250	0.210	0.990	0.849	VF	SAND	0.065	VC	SAND	0.127	M	GRVL	0.077
						F	SAND	0.057	VF	GRVL	0.136	C	GRVL	0.053
						M	SAND	0.071	F	GRVL	0.098	VC	GRVL	0.039
						C	SAND	0.127						
4241.000	0.000	0.250	0.210	0.990	0.850	VF	SAND	0.065	VC	SAND	0.127	M	GRVL	0.077
						F	SAND	0.057	VF	GRVL	0.136	C	GRVL	0.053
						M	SAND	0.071	F	GRVL	0.098	VC	GRVL	0.039
						C	SAND	0.127						
4246.000	0.000	0.250	0.210	0.990	0.851	VF	SAND	0.065	VC	SAND	0.128	M	GRVL	0.077
						F	SAND	0.057	VF	GRVL	0.136	C	GRVL	0.053
						M	SAND	0.071	F	GRVL	0.098	VC	GRVL	0.038
						C	SAND	0.128						

4256.000	0.000	0.250	0.210	0.990	0.852	VF SAND	0.065	VC SAND	0.128	M GRVL	0.077
						F SAND	0.057	VF GRVL	0.136	C GRVL	0.053
						M SAND	0.071	F GRVL	0.098	VC GRVL	0.038
						C SAND	0.128				
4261.000	0.000	0.250	0.210	0.990	0.852	VF SAND	0.065	VC SAND	0.129	M GRVL	0.077
						F SAND	0.058	VF GRVL	0.136	C GRVL	0.053
						M SAND	0.071	F GRVL	0.098	VC GRVL	0.038
						C SAND	0.129				
4266.000	0.000	0.250	0.210	0.990	0.853	VF SAND	0.065	VC SAND	0.129	M GRVL	0.077
						F SAND	0.058	VF GRVL	0.136	C GRVL	0.053
						M SAND	0.071	F GRVL	0.098	VC GRVL	0.038
						C SAND	0.129				
4278.000	0.000	0.250	0.210	0.990	0.990	VF SAND	0.065	VC SAND	0.130	M GRVL	0.076
						F SAND	0.058	VF GRVL	0.136	C GRVL	0.053
						M SAND	0.071	F GRVL	0.097	VC GRVL	0.038
						C SAND	0.130				
4283.000	0.000	0.250	0.210	0.991	0.854	VF SAND	0.065	VC SAND	0.129	M GRVL	0.076
						F SAND	0.058	VF GRVL	0.137	C GRVL	0.053
						M SAND	0.071	F GRVL	0.098	VC GRVL	0.038
						C SAND	0.129				
4288.000	0.000	0.250	0.210	0.991	0.854	VF SAND	0.065	VC SAND	0.129	M GRVL	0.077
						F SAND	0.058	VF GRVL	0.138	C GRVL	0.053
						M SAND	0.071	F GRVL	0.098	VC GRVL	0.037
						C SAND	0.129				
4293.000	0.000	0.250	0.210	0.991	0.855	VF SAND	0.065	VC SAND	0.129	M GRVL	0.077
						F SAND	0.058	VF GRVL	0.139	C GRVL	0.053
						M SAND	0.071	F GRVL	0.098	VC GRVL	0.037
						C SAND	0.129				
4298.000	0.000	0.250	0.210	0.991	0.855	VF SAND	0.065	VC SAND	0.128	M GRVL	0.077
						F SAND	0.057	VF GRVL	0.141	C GRVL	0.053
						M SAND	0.071	F GRVL	0.098	VC GRVL	0.037
						C SAND	0.128				
4303.000	0.000	0.250	0.210	0.991	0.855	VF SAND	0.065	VC SAND	0.128	M GRVL	0.077
						F SAND	0.057	VF GRVL	0.142	C GRVL	0.053
						M SAND	0.071	F GRVL	0.099	VC GRVL	0.036
						C SAND	0.128				
4308.000	0.000	0.250	0.210	0.991	0.855	VF SAND	0.064	VC SAND	0.127	M GRVL	0.077
						F SAND	0.057	VF GRVL	0.143	C GRVL	0.053
						M SAND	0.071	F GRVL	0.099	VC GRVL	0.036
						C SAND	0.127				
4313.000	0.000	0.250	0.210	0.991	0.855	VF SAND	0.064	VC SAND	0.127	M GRVL	0.077
						F SAND	0.057	VF GRVL	0.144	C GRVL	0.053
						M SAND	0.071	F GRVL	0.099	VC GRVL	0.036
						C SAND	0.127				
4318.000	0.000	0.250	0.210	0.991	0.856	VF SAND	0.064	VC SAND	0.127	M GRVL	0.077
						F SAND	0.057	VF GRVL	0.145	C GRVL	0.053
						M SAND	0.070	F GRVL	0.100	VC GRVL	0.036
						C SAND	0.127				
4415.000	0.000	0.250	0.210	0.992	0.860	VF SAND	0.062	VC SAND	0.119	M GRVL	0.079
						F SAND	0.057	VF GRVL	0.166	C GRVL	0.056
						M SAND	0.069	F GRVL	0.105	VC GRVL	0.030
						C SAND	0.119				
4420.000	0.000	0.250	0.210	0.992	0.860	VF SAND	0.062	VC SAND	0.118	M GRVL	0.079
						F SAND	0.057	VF GRVL	0.167	C GRVL	0.056
						M SAND	0.069	F GRVL	0.105	VC GRVL	0.030
						C SAND	0.118				
4425.000	0.000	0.250	0.210	0.993	0.860	VF SAND	0.062	VC SAND	0.118	M GRVL	0.079
						F SAND	0.056	VF GRVL	0.168	C GRVL	0.056
						M SAND	0.068	F GRVL	0.105	VC GRVL	0.030
						C SAND	0.118				
4430.000	0.000	0.250	0.210	0.993	0.860	VF SAND	0.061	VC SAND	0.118	M GRVL	0.079
						F SAND	0.056	VF GRVL	0.169	C GRVL	0.056

						M	SAND	0.068	F	GRVL	0.106	VC	GRVL	0.029
						C	SAND	0.118						
4435.000	0.000	0.250	0.210	0.993	0.861	VF	SAND	0.061	VC	SAND	0.117	M	GRVL	0.080
						F	SAND	0.056	VF	GRVL	0.170	C	GRVL	0.056
						M	SAND	0.068	F	GRVL	0.106	VC	GRVL	0.029
						C	SAND	0.117						
4440.000	0.000	0.250	0.210	0.993	0.861	VF	SAND	0.061	VC	SAND	0.117	M	GRVL	0.080
						F	SAND	0.056	VF	GRVL	0.171	C	GRVL	0.056
						M	SAND	0.068	F	GRVL	0.106	VC	GRVL	0.029
						C	SAND	0.117						
4560.000	0.000	0.250	0.210	0.994	0.866	VF	SAND	0.058	VC	SAND	0.107	M	GRVL	0.082
						F	SAND	0.055	VF	GRVL	0.197	C	GRVL	0.059
						M	SAND	0.066	F	GRVL	0.112	VC	GRVL	0.022
						C	SAND	0.107						
4578.000	0.000	0.250	0.210	0.995	0.866	VF	SAND	0.058	VC	SAND	0.106	M	GRVL	0.082
						F	SAND	0.055	VF	GRVL	0.201	C	GRVL	0.059
						M	SAND	0.066	F	GRVL	0.113	VC	GRVL	0.021
						C	SAND	0.106						
4604.000	0.000	0.250	0.210	0.995	0.868	VF	SAND	0.057	VC	SAND	0.104	M	GRVL	0.083
						F	SAND	0.055	VF	GRVL	0.207	C	GRVL	0.059
						M	SAND	0.065	F	GRVL	0.115	VC	GRVL	0.019
						C	SAND	0.104						
4607.000	0.000	0.250	0.210	0.995	0.868	VF	SAND	0.057	VC	SAND	0.103	M	GRVL	0.083
						F	SAND	0.055	VF	GRVL	0.207	C	GRVL	0.060
						M	SAND	0.065	F	GRVL	0.115	VC	GRVL	0.019
						C	SAND	0.103						
4612.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.057	VC	SAND	0.103	M	GRVL	0.083
						F	SAND	0.055	VF	GRVL	0.208	C	GRVL	0.060
						M	SAND	0.065	F	GRVL	0.115	VC	GRVL	0.019
						C	SAND	0.103						
4617.000	0.000	0.250	0.210	0.995	0.868	VF	SAND	0.057	VC	SAND	0.103	M	GRVL	0.083
						F	SAND	0.055	VF	GRVL	0.209	C	GRVL	0.059
						M	SAND	0.065	F	GRVL	0.116	VC	GRVL	0.019
						C	SAND	0.103						
4622.000	0.000	0.250	0.210	0.995	0.869	VF	SAND	0.057	VC	SAND	0.103	M	GRVL	0.083
						F	SAND	0.055	VF	GRVL	0.210	C	GRVL	0.059
						M	SAND	0.065	F	GRVL	0.116	VC	GRVL	0.020
						C	SAND	0.103						
4627.000	0.000	0.250	0.210	0.995	0.869	VF	SAND	0.056	VC	SAND	0.103	M	GRVL	0.083
						F	SAND	0.054	VF	GRVL	0.211	C	GRVL	0.059
						M	SAND	0.064	F	GRVL	0.116	VC	GRVL	0.020
						C	SAND	0.103						
4632.000	0.000	0.250	0.210	0.995	0.869	VF	SAND	0.056	VC	SAND	0.103	M	GRVL	0.083
						F	SAND	0.054	VF	GRVL	0.211	C	GRVL	0.059
						M	SAND	0.064	F	GRVL	0.116	VC	GRVL	0.020
						C	SAND	0.103						
4637.000	0.000	0.250	0.210	0.995	0.870	VF	SAND	0.056	VC	SAND	0.103	M	GRVL	0.083
						F	SAND	0.054	VF	GRVL	0.212	C	GRVL	0.059
						M	SAND	0.064	F	GRVL	0.117	VC	GRVL	0.020
						C	SAND	0.103						
4642.000	0.000	0.250	0.210	0.995	0.870	VF	SAND	0.056	VC	SAND	0.102	M	GRVL	0.083
						F	SAND	0.054	VF	GRVL	0.213	C	GRVL	0.058
						M	SAND	0.064	F	GRVL	0.117	VC	GRVL	0.021
						C	SAND	0.102						
4647.000	0.000	0.250	0.210	0.995	0.870	VF	SAND	0.056	VC	SAND	0.102	M	GRVL	0.082
						F	SAND	0.054	VF	GRVL	0.214	C	GRVL	0.058
						M	SAND	0.064	F	GRVL	0.117	VC	GRVL	0.021
						C	SAND	0.102						
4896.000	0.000	0.250	0.210	0.991	0.889	VF	SAND	0.048	VC	SAND	0.099	M	GRVL	0.078
						F	SAND	0.043	VF	GRVL	0.253	C	GRVL	0.047
						M	SAND	0.054	F	GRVL	0.131	VC	GRVL	0.036
						C	SAND	0.099						

4901.000	0.000	0.250	0.210	0.991	0.889	VF SAND	0.047	VC SAND	0.099	M GRVL	0.078
						F SAND	0.043	VF GRVL	0.254	C GRVL	0.047
						M SAND	0.054	F GRVL	0.132	VC GRVL	0.037
						C SAND	0.099				
4906.000	0.000	0.250	0.210	0.991	0.890	VF SAND	0.047	VC SAND	0.099	M GRVL	0.078
						F SAND	0.043	VF GRVL	0.255	C GRVL	0.046
						M SAND	0.054	F GRVL	0.132	VC GRVL	0.037
						C SAND	0.099				
4918.000	0.000	0.250	0.210	0.990	0.990	VF SAND	0.047	VC SAND	0.098	M GRVL	0.078
						F SAND	0.043	VF GRVL	0.256	C GRVL	0.046
						M SAND	0.054	F GRVL	0.132	VC GRVL	0.038
						C SAND	0.098				
4923.000	0.000	0.250	0.210	0.991	0.890	VF SAND	0.047	VC SAND	0.099	M GRVL	0.078
						F SAND	0.043	VF GRVL	0.255	C GRVL	0.046
						M SAND	0.054	F GRVL	0.132	VC GRVL	0.038
						C SAND	0.099				
4928.000	0.000	0.250	0.210	0.991	0.889	VF SAND	0.047	VC SAND	0.099	M GRVL	0.078
						F SAND	0.043	VF GRVL	0.254	C GRVL	0.047
						M SAND	0.054	F GRVL	0.132	VC GRVL	0.037
						C SAND	0.099				
4933.000	0.000	0.250	0.210	0.991	0.889	VF SAND	0.047	VC SAND	0.099	M GRVL	0.078
						F SAND	0.043	VF GRVL	0.253	C GRVL	0.047
						M SAND	0.054	F GRVL	0.131	VC GRVL	0.037
						C SAND	0.099				
4938.000	0.000	0.250	0.210	0.991	0.888	VF SAND	0.048	VC SAND	0.099	M GRVL	0.078
						F SAND	0.043	VF GRVL	0.252	C GRVL	0.047
						M SAND	0.054	F GRVL	0.131	VC GRVL	0.037
						C SAND	0.099				
4943.000	0.000	0.250	0.210	0.991	0.888	VF SAND	0.048	VC SAND	0.099	M GRVL	0.078
						F SAND	0.044	VF GRVL	0.250	C GRVL	0.048
						M SAND	0.055	F GRVL	0.130	VC GRVL	0.037
						C SAND	0.099				
4948.000	0.000	0.250	0.210	0.991	0.887	VF SAND	0.048	VC SAND	0.099	M GRVL	0.078
						F SAND	0.044	VF GRVL	0.249	C GRVL	0.048
						M SAND	0.055	F GRVL	0.130	VC GRVL	0.037
						C SAND	0.099				
4953.000	0.000	0.250	0.210	0.991	0.887	VF SAND	0.048	VC SAND	0.100	M GRVL	0.078
						F SAND	0.044	VF GRVL	0.248	C GRVL	0.049
						M SAND	0.055	F GRVL	0.129	VC GRVL	0.036
						C SAND	0.100				
4958.000	0.000	0.250	0.210	0.991	0.886	VF SAND	0.048	VC SAND	0.100	M GRVL	0.078
						F SAND	0.044	VF GRVL	0.247	C GRVL	0.049
						M SAND	0.055	F GRVL	0.129	VC GRVL	0.036
						C SAND	0.100				
4976.000	0.000	0.250	0.210	0.991	0.884	VF SAND	0.049	VC SAND	0.100	M GRVL	0.079
						F SAND	0.045	VF GRVL	0.242	C GRVL	0.050
						M SAND	0.056	F GRVL	0.127	VC GRVL	0.035
						C SAND	0.100				
4981.000	0.000	0.250	0.210	0.991	0.883	VF SAND	0.049	VC SAND	0.100	M GRVL	0.079
						F SAND	0.045	VF GRVL	0.241	C GRVL	0.051
						M SAND	0.056	F GRVL	0.127	VC GRVL	0.035
						C SAND	0.100				
4986.000	0.000	0.250	0.210	0.991	0.883	VF SAND	0.049	VC SAND	0.100	M GRVL	0.079
						F SAND	0.045	VF GRVL	0.240	C GRVL	0.051
						M SAND	0.056	F GRVL	0.126	VC GRVL	0.035
						C SAND	0.100				
4998.000	0.000	0.250	0.210	0.991	0.882	VF SAND	0.050	VC SAND	0.101	M GRVL	0.079
						F SAND	0.046	VF GRVL	0.237	C GRVL	0.052
						M SAND	0.057	F GRVL	0.125	VC GRVL	0.034
						C SAND	0.101				
5003.000	0.000	0.250	0.210	0.991	0.881	VF SAND	0.050	VC SAND	0.101	M GRVL	0.079
						F SAND	0.046	VF GRVL	0.236	C GRVL	0.052

							M SAND	0.057	F GRVL	0.124	VC GRVL	0.034
							C SAND	0.101				
5008.000	0.000	0.250	0.210	0.991	0.880	VF SAND	0.050	VC SAND	0.101	M GRVL	0.079	
						F SAND	0.046	VF GRVL	0.235	C GRVL	0.053	
						M SAND	0.057	F GRVL	0.124	VC GRVL	0.034	
						C SAND	0.101					
5013.000	0.000	0.250	0.210	0.991	0.880	VF SAND	0.050	VC SAND	0.101	M GRVL	0.079	
						F SAND	0.047	VF GRVL	0.234	C GRVL	0.053	
						M SAND	0.058	F GRVL	0.123	VC GRVL	0.034	
						C SAND	0.101					
5018.000	0.000	0.250	0.210	0.992	0.879	VF SAND	0.050	VC SAND	0.101	M GRVL	0.079	
						F SAND	0.047	VF GRVL	0.232	C GRVL	0.053	
						M SAND	0.058	F GRVL	0.123	VC GRVL	0.034	
						C SAND	0.101					
5023.000	0.000	0.250	0.210	0.992	0.879	VF SAND	0.051	VC SAND	0.102	M GRVL	0.079	
						F SAND	0.047	VF GRVL	0.231	C GRVL	0.054	
						M SAND	0.058	F GRVL	0.123	VC GRVL	0.033	
						C SAND	0.102					
5028.000	0.000	0.250	0.210	0.992	0.878	VF SAND	0.051	VC SAND	0.102	M GRVL	0.079	
						F SAND	0.047	VF GRVL	0.230	C GRVL	0.054	
						M SAND	0.058	F GRVL	0.122	VC GRVL	0.033	
						C SAND	0.102					
5033.000	0.000	0.250	0.210	0.992	0.878	VF SAND	0.051	VC SAND	0.102	M GRVL	0.079	
						F SAND	0.047	VF GRVL	0.229	C GRVL	0.055	
						M SAND	0.058	F GRVL	0.122	VC GRVL	0.033	
						C SAND	0.102					
5038.000	0.000	0.250	0.210	0.992	0.877	VF SAND	0.051	VC SAND	0.102	M GRVL	0.079	
						F SAND	0.048	VF GRVL	0.228	C GRVL	0.055	
						M SAND	0.059	F GRVL	0.121	VC GRVL	0.033	
						C SAND	0.102					
5059.000	0.000	0.250	0.210	0.992	0.875	VF SAND	0.052	VC SAND	0.103	M GRVL	0.080	
						F SAND	0.048	VF GRVL	0.223	C GRVL	0.057	
						M SAND	0.059	F GRVL	0.119	VC GRVL	0.032	
						C SAND	0.103					
5064.000	0.000	0.250	0.210	0.992	0.874	VF SAND	0.052	VC SAND	0.103	M GRVL	0.080	
						F SAND	0.049	VF GRVL	0.221	C GRVL	0.057	
						M SAND	0.060	F GRVL	0.119	VC GRVL	0.032	
						C SAND	0.103					
5069.000	0.000	0.250	0.210	0.992	0.874	VF SAND	0.052	VC SAND	0.103	M GRVL	0.080	
						F SAND	0.049	VF GRVL	0.220	C GRVL	0.057	
						M SAND	0.060	F GRVL	0.118	VC GRVL	0.032	
						C SAND	0.103					
5081.000	0.000	0.250	0.210	0.992	0.872	VF SAND	0.053	VC SAND	0.103	M GRVL	0.080	
						F SAND	0.049	VF GRVL	0.217	C GRVL	0.058	
						M SAND	0.060	F GRVL	0.117	VC GRVL	0.031	
						C SAND	0.103					
5086.000	0.000	0.250	0.210	0.992	0.872	VF SAND	0.053	VC SAND	0.103	M GRVL	0.080	
						F SAND	0.050	VF GRVL	0.216	C GRVL	0.059	
						M SAND	0.061	F GRVL	0.117	VC GRVL	0.031	
						C SAND	0.103					
5091.000	0.000	0.250	0.210	0.992	0.871	VF SAND	0.053	VC SAND	0.104	M GRVL	0.080	
						F SAND	0.050	VF GRVL	0.215	C GRVL	0.059	
						M SAND	0.061	F GRVL	0.116	VC GRVL	0.031	
						C SAND	0.104					
5096.000	0.000	0.250	0.210	0.992	0.871	VF SAND	0.053	VC SAND	0.104	M GRVL	0.080	
						F SAND	0.050	VF GRVL	0.214	C GRVL	0.059	
						M SAND	0.061	F GRVL	0.116	VC GRVL	0.030	
						C SAND	0.104					
5101.000	0.000	0.250	0.210	0.992	0.870	VF SAND	0.054	VC SAND	0.104	M GRVL	0.080	
						F SAND	0.050	VF GRVL	0.212	C GRVL	0.060	
						M SAND	0.061	F GRVL	0.115	VC GRVL	0.030	
						C SAND	0.104					

5106.000	0.000	0.250	0.210	0.992	0.870	VF SAND	0.054	VC SAND	0.104	M GRVL	0.080
						F SAND	0.050	VF GRVL	0.211	C GRVL	0.060
						M SAND	0.061	F GRVL	0.115	VC GRVL	0.030
						C SAND	0.104				
5111.000	0.000	0.250	0.210	0.993	0.869	VF SAND	0.054	VC SAND	0.104	M GRVL	0.080
						F SAND	0.051	VF GRVL	0.210	C GRVL	0.060
						M SAND	0.062	F GRVL	0.114	VC GRVL	0.030
						C SAND	0.104				
5116.000	0.000	0.250	0.210	0.993	0.869	VF SAND	0.054	VC SAND	0.104	M GRVL	0.080
						F SAND	0.051	VF GRVL	0.209	C GRVL	0.061
						M SAND	0.062	F GRVL	0.114	VC GRVL	0.030
						C SAND	0.104				
5121.000	0.000	0.250	0.210	0.993	0.868	VF SAND	0.054	VC SAND	0.105	M GRVL	0.080
						F SAND	0.051	VF GRVL	0.208	C GRVL	0.061
						M SAND	0.062	F GRVL	0.113	VC GRVL	0.029
						C SAND	0.105				
5208.000	0.000	0.250	0.210	0.994	0.858	VF SAND	0.057	VC SAND	0.107	M GRVL	0.082
						F SAND	0.055	VF GRVL	0.187	C GRVL	0.068
						M SAND	0.066	F GRVL	0.105	VC GRVL	0.026
						C SAND	0.107				
5213.000	0.000	0.250	0.210	0.994	0.858	VF SAND	0.058	VC SAND	0.107	M GRVL	0.082
						F SAND	0.055	VF GRVL	0.186	C GRVL	0.068
						M SAND	0.066	F GRVL	0.104	VC GRVL	0.025
						C SAND	0.107				
5218.000	0.000	0.250	0.210	0.994	0.994	VF SAND	0.058	VC SAND	0.107	M GRVL	0.082
						F SAND	0.055	VF GRVL	0.184	C GRVL	0.068
						M SAND	0.066	F GRVL	0.104	VC GRVL	0.025
						C SAND	0.107				
5230.000	0.000	0.250	0.210	0.994	0.857	VF SAND	0.058	VC SAND	0.106	M GRVL	0.081
						F SAND	0.055	VF GRVL	0.186	C GRVL	0.068
						M SAND	0.065	F GRVL	0.104	VC GRVL	0.026
						C SAND	0.106				
5235.000	0.000	0.250	0.210	0.993	0.856	VF SAND	0.058	VC SAND	0.106	M GRVL	0.081
						F SAND	0.055	VF GRVL	0.187	C GRVL	0.068
						M SAND	0.065	F GRVL	0.104	VC GRVL	0.026
						C SAND	0.106				
5240.000	0.000	0.250	0.210	0.993	0.856	VF SAND	0.058	VC SAND	0.106	M GRVL	0.081
						F SAND	0.054	VF GRVL	0.188	C GRVL	0.068
						M SAND	0.065	F GRVL	0.104	VC GRVL	0.026
						C SAND	0.106				
5245.000	0.000	0.250	0.210	0.993	0.856	VF SAND	0.059	VC SAND	0.105	M GRVL	0.081
						F SAND	0.054	VF GRVL	0.188	C GRVL	0.068
						M SAND	0.064	F GRVL	0.104	VC GRVL	0.027
						C SAND	0.105				
5250.000	0.000	0.250	0.210	0.993	0.856	VF SAND	0.059	VC SAND	0.105	M GRVL	0.081
						F SAND	0.054	VF GRVL	0.189	C GRVL	0.068
						M SAND	0.064	F GRVL	0.105	VC GRVL	0.027
						C SAND	0.105				
5255.000	0.000	0.250	0.210	0.993	0.855	VF SAND	0.059	VC SAND	0.104	M GRVL	0.081
						F SAND	0.054	VF GRVL	0.190	C GRVL	0.068
						M SAND	0.064	F GRVL	0.105	VC GRVL	0.027
						C SAND	0.104				
5260.000	0.000	0.250	0.210	0.993	0.855	VF SAND	0.059	VC SAND	0.104	M GRVL	0.080
						F SAND	0.054	VF GRVL	0.191	C GRVL	0.068
						M SAND	0.063	F GRVL	0.105	VC GRVL	0.027
						C SAND	0.104				
5265.000	0.000	0.250	0.210	0.993	0.855	VF SAND	0.059	VC SAND	0.103	M GRVL	0.080
						F SAND	0.054	VF GRVL	0.192	C GRVL	0.068
						M SAND	0.063	F GRVL	0.105	VC GRVL	0.028
						C SAND	0.103				
5270.000	0.000	0.250	0.210	0.993	0.855	VF SAND	0.059	VC SAND	0.103	M GRVL	0.080
						F SAND	0.054	VF GRVL	0.192	C GRVL	0.068

						M	SAND	0.063	F	GRVL	0.105	VC	GRVL	0.028
						C	SAND	0.103						
5337.000	0.000	0.250	0.210	0.992	0.852	VF	SAND	0.062	VC	SAND	0.097	M	GRVL	0.078
						F	SAND	0.052	VF	GRVL	0.203	C	GRVL	0.067
						M	SAND	0.059	F	GRVL	0.106	VC	GRVL	0.031
						C	SAND	0.097						
5342.000	0.000	0.250	0.210	0.992	0.851	VF	SAND	0.062	VC	SAND	0.097	M	GRVL	0.078
						F	SAND	0.052	VF	GRVL	0.203	C	GRVL	0.067
						M	SAND	0.059	F	GRVL	0.106	VC	GRVL	0.031
						C	SAND	0.097						
5347.000	0.000	0.250	0.210	0.992	0.851	VF	SAND	0.062	VC	SAND	0.096	M	GRVL	0.078
						F	SAND	0.051	VF	GRVL	0.204	C	GRVL	0.067
						M	SAND	0.058	F	GRVL	0.106	VC	GRVL	0.031
						C	SAND	0.096						
5359.000	0.000	0.250	0.210	0.992	0.851	VF	SAND	0.062	VC	SAND	0.095	M	GRVL	0.077
						F	SAND	0.051	VF	GRVL	0.206	C	GRVL	0.067
						M	SAND	0.058	F	GRVL	0.107	VC	GRVL	0.032
						C	SAND	0.095						
5364.000	0.000	0.250	0.210	0.992	0.850	VF	SAND	0.062	VC	SAND	0.095	M	GRVL	0.077
						F	SAND	0.051	VF	GRVL	0.207	C	GRVL	0.067
						M	SAND	0.057	F	GRVL	0.107	VC	GRVL	0.032
						C	SAND	0.095						
5369.000	0.000	0.250	0.210	0.992	0.850	VF	SAND	0.063	VC	SAND	0.094	M	GRVL	0.077
						F	SAND	0.051	VF	GRVL	0.207	C	GRVL	0.067
						M	SAND	0.057	F	GRVL	0.107	VC	GRVL	0.033
						C	SAND	0.094						
5374.000	0.000	0.250	0.210	0.992	0.850	VF	SAND	0.063	VC	SAND	0.094	M	GRVL	0.077
						F	SAND	0.051	VF	GRVL	0.208	C	GRVL	0.067
						M	SAND	0.057	F	GRVL	0.107	VC	GRVL	0.033
						C	SAND	0.094						
5379.000	0.000	0.250	0.210	0.992	0.850	VF	SAND	0.063	VC	SAND	0.094	M	GRVL	0.077
						F	SAND	0.051	VF	GRVL	0.209	C	GRVL	0.067
						M	SAND	0.056	F	GRVL	0.107	VC	GRVL	0.033
						C	SAND	0.094						
5384.000	0.000	0.250	0.210	0.992	0.849	VF	SAND	0.063	VC	SAND	0.093	M	GRVL	0.077
						F	SAND	0.050	VF	GRVL	0.210	C	GRVL	0.067
						M	SAND	0.056	F	GRVL	0.107	VC	GRVL	0.033
						C	SAND	0.093						
5389.000	0.000	0.250	0.210	0.992	0.849	VF	SAND	0.063	VC	SAND	0.093	M	GRVL	0.076
						F	SAND	0.050	VF	GRVL	0.211	C	GRVL	0.067
						M	SAND	0.056	F	GRVL	0.107	VC	GRVL	0.034
						C	SAND	0.093						
5394.000	0.000	0.250	0.210	0.992	0.849	VF	SAND	0.063	VC	SAND	0.092	M	GRVL	0.076
						F	SAND	0.050	VF	GRVL	0.211	C	GRVL	0.067
						M	SAND	0.056	F	GRVL	0.107	VC	GRVL	0.034
						C	SAND	0.092						
5399.000	0.000	0.250	0.210	0.991	0.849	VF	SAND	0.064	VC	SAND	0.092	M	GRVL	0.076
						F	SAND	0.050	VF	GRVL	0.212	C	GRVL	0.067
						M	SAND	0.055	F	GRVL	0.107	VC	GRVL	0.034
						C	SAND	0.092						
5457.000	0.000	0.250	0.210	0.991	0.846	VF	SAND	0.065	VC	SAND	0.087	M	GRVL	0.074
						F	SAND	0.048	VF	GRVL	0.221	C	GRVL	0.066
						M	SAND	0.052	F	GRVL	0.108	VC	GRVL	0.037
						C	SAND	0.087						
5462.000	0.000	0.250	0.210	0.991	0.846	VF	SAND	0.066	VC	SAND	0.086	M	GRVL	0.074
						F	SAND	0.048	VF	GRVL	0.222	C	GRVL	0.066
						M	SAND	0.052	F	GRVL	0.108	VC	GRVL	0.037
						C	SAND	0.086						
5467.000	0.000	0.250	0.210	0.991	0.846	VF	SAND	0.066	VC	SAND	0.086	M	GRVL	0.074
						F	SAND	0.048	VF	GRVL	0.223	C	GRVL	0.066
						M	SAND	0.051	F	GRVL	0.108	VC	GRVL	0.037
						C	SAND	0.086						

5479.000	0.000	0.250	0.210	0.990	0.990	VF SAND	0.066	VC SAND	0.085	M GRVL	0.074
						F SAND	0.048	VF GRVL	0.224	C GRVL	0.066
						M SAND	0.051	F GRVL	0.109	VC GRVL	0.038
						C SAND	0.085				
5484.000	0.000	0.250	0.210	0.991	0.845	VF SAND	0.066	VC SAND	0.085	M GRVL	0.074
						F SAND	0.048	VF GRVL	0.223	C GRVL	0.066
						M SAND	0.051	F GRVL	0.109	VC GRVL	0.038
						C SAND	0.085				
5489.000	0.000	0.250	0.210	0.991	0.845	VF SAND	0.066	VC SAND	0.086	M GRVL	0.074
						F SAND	0.048	VF GRVL	0.222	C GRVL	0.065
						M SAND	0.051	F GRVL	0.109	VC GRVL	0.037
						C SAND	0.086				
5494.000	0.000	0.250	0.210	0.991	0.846	VF SAND	0.066	VC SAND	0.086	M GRVL	0.074
						F SAND	0.049	VF GRVL	0.221	C GRVL	0.065
						M SAND	0.052	F GRVL	0.109	VC GRVL	0.037
						C SAND	0.086				
5499.000	0.000	0.250	0.210	0.991	0.846	VF SAND	0.066	VC SAND	0.087	M GRVL	0.075
						F SAND	0.049	VF GRVL	0.220	C GRVL	0.065
						M SAND	0.052	F GRVL	0.109	VC GRVL	0.037
						C SAND	0.087				
5504.000	0.000	0.250	0.210	0.991	0.846	VF SAND	0.066	VC SAND	0.087	M GRVL	0.075
						F SAND	0.049	VF GRVL	0.218	C GRVL	0.064
						M SAND	0.052	F GRVL	0.109	VC GRVL	0.037
						C SAND	0.087				
5509.000	0.000	0.250	0.210	0.991	0.846	VF SAND	0.066	VC SAND	0.088	M GRVL	0.075
						F SAND	0.049	VF GRVL	0.217	C GRVL	0.064
						M SAND	0.053	F GRVL	0.109	VC GRVL	0.037
						C SAND	0.088				
5514.000	0.000	0.250	0.210	0.991	0.846	VF SAND	0.066	VC SAND	0.088	M GRVL	0.076
						F SAND	0.050	VF GRVL	0.216	C GRVL	0.064
						M SAND	0.053	F GRVL	0.110	VC GRVL	0.036
						C SAND	0.088				
5519.000	0.000	0.250	0.210	0.991	0.847	VF SAND	0.066	VC SAND	0.089	M GRVL	0.076
						F SAND	0.050	VF GRVL	0.215	C GRVL	0.064
						M SAND	0.053	F GRVL	0.110	VC GRVL	0.036
						C SAND	0.089				
5557.000	0.000	0.250	0.210	0.991	0.848	VF SAND	0.066	VC SAND	0.092	M GRVL	0.078
						F SAND	0.052	VF GRVL	0.206	C GRVL	0.061
						M SAND	0.056	F GRVL	0.111	VC GRVL	0.035
						C SAND	0.092				
5562.000	0.000	0.250	0.210	0.991	0.848	VF SAND	0.066	VC SAND	0.092	M GRVL	0.078
						F SAND	0.052	VF GRVL	0.204	C GRVL	0.061
						M SAND	0.056	F GRVL	0.111	VC GRVL	0.034
						C SAND	0.092				
5567.000	0.000	0.250	0.210	0.991	0.849	VF SAND	0.066	VC SAND	0.093	M GRVL	0.079
						F SAND	0.052	VF GRVL	0.203	C GRVL	0.061
						M SAND	0.057	F GRVL	0.111	VC GRVL	0.034
						C SAND	0.093				
5579.000	0.000	0.250	0.210	0.992	0.849	VF SAND	0.066	VC SAND	0.094	M GRVL	0.079
						F SAND	0.053	VF GRVL	0.200	C GRVL	0.060
						M SAND	0.058	F GRVL	0.112	VC GRVL	0.034
						C SAND	0.094				
5584.000	0.000	0.250	0.210	0.992	0.849	VF SAND	0.066	VC SAND	0.094	M GRVL	0.080
						F SAND	0.053	VF GRVL	0.199	C GRVL	0.060
						M SAND	0.058	F GRVL	0.112	VC GRVL	0.033
						C SAND	0.094				
5589.000	0.000	0.250	0.210	0.992	0.849	VF SAND	0.066	VC SAND	0.095	M GRVL	0.080
						F SAND	0.053	VF GRVL	0.198	C GRVL	0.060
						M SAND	0.058	F GRVL	0.112	VC GRVL	0.033
						C SAND	0.095				
5594.000	0.000	0.250	0.210	0.992	0.850	VF SAND	0.066	VC SAND	0.095	M GRVL	0.080
						F SAND	0.053	VF GRVL	0.197	C GRVL	0.059

						M	SAND	0.059	F	GRVL	0.112	VC	GRVL	0.033
						C	SAND	0.095						
5599.000	0.000	0.250	0.210	0.992	0.850	VF	SAND	0.066	VC	SAND	0.096	M	GRVL	0.080
						F	SAND	0.054	VF	GRVL	0.196	C	GRVL	0.059
						M	SAND	0.059	F	GRVL	0.112	VC	GRVL	0.033
						C	SAND	0.096						
5604.000	0.000	0.250	0.210	0.992	0.850	VF	SAND	0.066	VC	SAND	0.096	M	GRVL	0.081
						F	SAND	0.054	VF	GRVL	0.194	C	GRVL	0.059
						M	SAND	0.059	F	GRVL	0.112	VC	GRVL	0.033
						C	SAND	0.096						
5609.000	0.000	0.250	0.210	0.992	0.850	VF	SAND	0.066	VC	SAND	0.097	M	GRVL	0.081
						F	SAND	0.054	VF	GRVL	0.193	C	GRVL	0.058
						M	SAND	0.060	F	GRVL	0.112	VC	GRVL	0.032
						C	SAND	0.097						
5614.000	0.000	0.250	0.210	0.992	0.850	VF	SAND	0.066	VC	SAND	0.097	M	GRVL	0.081
						F	SAND	0.054	VF	GRVL	0.192	C	GRVL	0.058
						M	SAND	0.060	F	GRVL	0.113	VC	GRVL	0.032
						C	SAND	0.097						
5619.000	0.000	0.250	0.210	0.992	0.851	VF	SAND	0.066	VC	SAND	0.098	M	GRVL	0.082
						F	SAND	0.055	VF	GRVL	0.191	C	GRVL	0.058
						M	SAND	0.061	F	GRVL	0.113	VC	GRVL	0.032
						C	SAND	0.098						
5657.000	0.000	0.250	0.210	0.992	0.852	VF	SAND	0.066	VC	SAND	0.101	M	GRVL	0.084
						F	SAND	0.057	VF	GRVL	0.182	C	GRVL	0.056
						M	SAND	0.063	F	GRVL	0.114	VC	GRVL	0.030
						C	SAND	0.101						
5662.000	0.000	0.250	0.210	0.992	0.852	VF	SAND	0.066	VC	SAND	0.101	M	GRVL	0.084
						F	SAND	0.057	VF	GRVL	0.180	C	GRVL	0.055
						M	SAND	0.064	F	GRVL	0.114	VC	GRVL	0.030
						C	SAND	0.101						
5667.000	0.000	0.250	0.210	0.992	0.853	VF	SAND	0.065	VC	SAND	0.102	M	GRVL	0.084
						F	SAND	0.057	VF	GRVL	0.179	C	GRVL	0.055
						M	SAND	0.064	F	GRVL	0.114	VC	GRVL	0.030
						C	SAND	0.102						
5679.000	0.000	0.250	0.210	0.993	0.853	VF	SAND	0.065	VC	SAND	0.103	M	GRVL	0.085
						F	SAND	0.058	VF	GRVL	0.176	C	GRVL	0.054
						M	SAND	0.065	F	GRVL	0.114	VC	GRVL	0.029
						C	SAND	0.103						
5684.000	0.000	0.250	0.210	0.993	0.853	VF	SAND	0.065	VC	SAND	0.103	M	GRVL	0.085
						F	SAND	0.058	VF	GRVL	0.175	C	GRVL	0.054
						M	SAND	0.065	F	GRVL	0.115	VC	GRVL	0.029
						C	SAND	0.103						
5689.000	0.000	0.250	0.210	0.993	0.854	VF	SAND	0.065	VC	SAND	0.104	M	GRVL	0.085
						F	SAND	0.058	VF	GRVL	0.174	C	GRVL	0.054
						M	SAND	0.066	F	GRVL	0.115	VC	GRVL	0.029
						C	SAND	0.104						
5694.000	0.000	0.250	0.210	0.993	0.854	VF	SAND	0.065	VC	SAND	0.104	M	GRVL	0.086
						F	SAND	0.058	VF	GRVL	0.173	C	GRVL	0.053
						M	SAND	0.066	F	GRVL	0.115	VC	GRVL	0.029
						C	SAND	0.104						
5699.000	0.000	0.250	0.210	0.993	0.854	VF	SAND	0.065	VC	SAND	0.105	M	GRVL	0.086
						F	SAND	0.059	VF	GRVL	0.171	C	GRVL	0.053
						M	SAND	0.066	F	GRVL	0.115	VC	GRVL	0.029
						C	SAND	0.105						
5704.000	0.000	0.250	0.210	0.993	0.854	VF	SAND	0.065	VC	SAND	0.105	M	GRVL	0.086
						F	SAND	0.059	VF	GRVL	0.170	C	GRVL	0.053
						M	SAND	0.067	F	GRVL	0.115	VC	GRVL	0.028
						C	SAND	0.105						
5709.000	0.000	0.250	0.210	0.993	0.854	VF	SAND	0.065	VC	SAND	0.106	M	GRVL	0.087
						F	SAND	0.059	VF	GRVL	0.169	C	GRVL	0.053
						M	SAND	0.067	F	GRVL	0.115	VC	GRVL	0.028
						C	SAND	0.106						

5714.000	0.000	0.250	0.210	0.993	0.855	VF SAND	0.065	VC SAND	0.106	M GRVL	0.087
						F SAND	0.059	VF GRVL	0.168	C GRVL	0.052
						M SAND	0.067	F GRVL	0.115	VC GRVL	0.028
						C SAND	0.106				
5719.000	0.000	0.250	0.210	0.993	0.855	VF SAND	0.065	VC SAND	0.107	M GRVL	0.087
						F SAND	0.060	VF GRVL	0.167	C GRVL	0.052
						M SAND	0.068	F GRVL	0.116	VC GRVL	0.028
						C SAND	0.107				
5757.000	0.000	0.250	0.210	0.993	0.856	VF SAND	0.065	VC SAND	0.110	M GRVL	0.089
						F SAND	0.061	VF GRVL	0.158	C GRVL	0.050
						M SAND	0.071	F GRVL	0.117	VC GRVL	0.026
						C SAND	0.110				
5762.000	0.000	0.250	0.210	0.993	0.857	VF SAND	0.065	VC SAND	0.110	M GRVL	0.090
						F SAND	0.062	VF GRVL	0.156	C GRVL	0.049
						M SAND	0.071	F GRVL	0.117	VC GRVL	0.026
						C SAND	0.110				
5767.000	0.000	0.250	0.210	0.994	0.857	VF SAND	0.065	VC SAND	0.111	M GRVL	0.090
						F SAND	0.062	VF GRVL	0.155	C GRVL	0.049
						M SAND	0.071	F GRVL	0.117	VC GRVL	0.026
						C SAND	0.111				
5779.000	0.000	0.250	0.210	0.994	0.994	VF SAND	0.065	VC SAND	0.112	M GRVL	0.090
						F SAND	0.063	VF GRVL	0.152	C GRVL	0.048
						M SAND	0.072	F GRVL	0.117	VC GRVL	0.025
						C SAND	0.112				
5784.000	0.000	0.250	0.210	0.993	0.857	VF SAND	0.065	VC SAND	0.112	M GRVL	0.091
						F SAND	0.062	VF GRVL	0.152	C GRVL	0.049
						M SAND	0.072	F GRVL	0.117	VC GRVL	0.026
						C SAND	0.112				
5789.000	0.000	0.250	0.210	0.993	0.858	VF SAND	0.065	VC SAND	0.111	M GRVL	0.091
						F SAND	0.062	VF GRVL	0.152	C GRVL	0.050
						M SAND	0.072	F GRVL	0.117	VC GRVL	0.026
						C SAND	0.111				
5794.000	0.000	0.250	0.210	0.993	0.858	VF SAND	0.065	VC SAND	0.111	M GRVL	0.091
						F SAND	0.062	VF GRVL	0.151	C GRVL	0.051
						M SAND	0.072	F GRVL	0.117	VC GRVL	0.027
						C SAND	0.111				
5799.000	0.000	0.250	0.210	0.993	0.858	VF SAND	0.065	VC SAND	0.111	M GRVL	0.091
						F SAND	0.062	VF GRVL	0.151	C GRVL	0.051
						M SAND	0.072	F GRVL	0.116	VC GRVL	0.028
						C SAND	0.111				
5804.000	0.000	0.250	0.210	0.993	0.858	VF SAND	0.064	VC SAND	0.111	M GRVL	0.091
						F SAND	0.062	VF GRVL	0.151	C GRVL	0.052
						M SAND	0.071	F GRVL	0.116	VC GRVL	0.028
						C SAND	0.111				
5809.000	0.000	0.250	0.210	0.993	0.858	VF SAND	0.064	VC SAND	0.111	M GRVL	0.091
						F SAND	0.062	VF GRVL	0.151	C GRVL	0.053
						M SAND	0.071	F GRVL	0.116	VC GRVL	0.029
						C SAND	0.111				
5814.000	0.000	0.250	0.210	0.993	0.858	VF SAND	0.064	VC SAND	0.110	M GRVL	0.091
						F SAND	0.062	VF GRVL	0.150	C GRVL	0.054
						M SAND	0.071	F GRVL	0.116	VC GRVL	0.030
						C SAND	0.110				
5819.000	0.000	0.250	0.210	0.992	0.858	VF SAND	0.064	VC SAND	0.110	M GRVL	0.091
						F SAND	0.062	VF GRVL	0.150	C GRVL	0.055
						M SAND	0.071	F GRVL	0.115	VC GRVL	0.030
						C SAND	0.110				
5839.000	0.000	0.250	0.210	0.992	0.859	VF SAND	0.063	VC SAND	0.109	M GRVL	0.092
						F SAND	0.061	VF GRVL	0.149	C GRVL	0.058
						M SAND	0.070	F GRVL	0.114	VC GRVL	0.033
						C SAND	0.109				
5844.000	0.000	0.250	0.210	0.992	0.859	VF SAND	0.063	VC SAND	0.109	M GRVL	0.092
						F SAND	0.061	VF GRVL	0.149	C GRVL	0.058

						M	SAND	0.070	F	GRVL	0.114	VC	GRVL	0.033
						C	SAND	0.109						
5849.000	0.000	0.250	0.210	0.991	0.859	VF	SAND	0.063	VC	SAND	0.109	M	GRVL	0.092
						F	SAND	0.061	VF	GRVL	0.149	C	GRVL	0.059
						M	SAND	0.070	F	GRVL	0.114	VC	GRVL	0.034
						C	SAND	0.109						
5861.000	0.000	0.250	0.210	0.991	0.860	VF	SAND	0.063	VC	SAND	0.108	M	GRVL	0.092
						F	SAND	0.060	VF	GRVL	0.148	C	GRVL	0.061
						M	SAND	0.070	F	GRVL	0.113	VC	GRVL	0.036
						C	SAND	0.108						
5866.000	0.000	0.250	0.210	0.991	0.860	VF	SAND	0.062	VC	SAND	0.108	M	GRVL	0.093
						F	SAND	0.060	VF	GRVL	0.148	C	GRVL	0.062
						M	SAND	0.070	F	GRVL	0.113	VC	GRVL	0.036
						C	SAND	0.108						
5871.000	0.000	0.250	0.210	0.991	0.860	VF	SAND	0.062	VC	SAND	0.108	M	GRVL	0.093
						F	SAND	0.060	VF	GRVL	0.147	C	GRVL	0.063
						M	SAND	0.070	F	GRVL	0.113	VC	GRVL	0.037
						C	SAND	0.108						
5876.000	0.000	0.250	0.210	0.991	0.860	VF	SAND	0.062	VC	SAND	0.108	M	GRVL	0.093
						F	SAND	0.060	VF	GRVL	0.147	C	GRVL	0.063
						M	SAND	0.069	F	GRVL	0.113	VC	GRVL	0.037
						C	SAND	0.108						
5881.000	0.000	0.250	0.210	0.990	0.860	VF	SAND	0.062	VC	SAND	0.107	M	GRVL	0.093
						F	SAND	0.060	VF	GRVL	0.147	C	GRVL	0.064
						M	SAND	0.069	F	GRVL	0.112	VC	GRVL	0.038
						C	SAND	0.107						
5886.000	0.000	0.250	0.210	0.990	0.860	VF	SAND	0.062	VC	SAND	0.107	M	GRVL	0.093
						F	SAND	0.060	VF	GRVL	0.147	C	GRVL	0.065
						M	SAND	0.069	F	GRVL	0.112	VC	GRVL	0.039
						C	SAND	0.107						
5891.000	0.000	0.250	0.210	0.990	0.860	VF	SAND	0.062	VC	SAND	0.107	M	GRVL	0.093
						F	SAND	0.060	VF	GRVL	0.146	C	GRVL	0.066
						M	SAND	0.069	F	GRVL	0.112	VC	GRVL	0.039
						C	SAND	0.107						
5896.000	0.000	0.250	0.210	0.990	0.861	VF	SAND	0.062	VC	SAND	0.107	M	GRVL	0.093
						F	SAND	0.060	VF	GRVL	0.146	C	GRVL	0.066
						M	SAND	0.069	F	GRVL	0.112	VC	GRVL	0.040
						C	SAND	0.107						
5901.000	0.000	0.250	0.210	0.990	0.861	VF	SAND	0.061	VC	SAND	0.106	M	GRVL	0.093
						F	SAND	0.059	VF	GRVL	0.146	C	GRVL	0.067
						M	SAND	0.069	F	GRVL	0.111	VC	GRVL	0.041
						C	SAND	0.106						
6057.000	0.000	0.250	0.210	0.985	0.865	VF	SAND	0.057	VC	SAND	0.099	M	GRVL	0.097
						F	SAND	0.056	VF	GRVL	0.137	C	GRVL	0.091
						M	SAND	0.064	F	GRVL	0.104	VC	GRVL	0.060
						C	SAND	0.099						
6062.000	0.000	0.250	0.210	0.985	0.865	VF	SAND	0.057	VC	SAND	0.099	M	GRVL	0.097
						F	SAND	0.055	VF	GRVL	0.137	C	GRVL	0.092
						M	SAND	0.064	F	GRVL	0.104	VC	GRVL	0.061
						C	SAND	0.099						
6067.000	0.000	0.250	0.210	0.984	0.866	VF	SAND	0.056	VC	SAND	0.099	M	GRVL	0.097
						F	SAND	0.055	VF	GRVL	0.137	C	GRVL	0.093
						M	SAND	0.064	F	GRVL	0.103	VC	GRVL	0.062
						C	SAND	0.099						
6079.000	0.000	0.250	0.210	0.984	0.984	VF	SAND	0.056	VC	SAND	0.098	M	GRVL	0.098
						F	SAND	0.055	VF	GRVL	0.136	C	GRVL	0.094
						M	SAND	0.064	F	GRVL	0.103	VC	GRVL	0.063
						C	SAND	0.098						
6084.000	0.000	0.250	0.210	0.984	0.865	VF	SAND	0.056	VC	SAND	0.099	M	GRVL	0.098
						F	SAND	0.055	VF	GRVL	0.136	C	GRVL	0.093
						M	SAND	0.064	F	GRVL	0.103	VC	GRVL	0.062
						C	SAND	0.099						

6089.000	0.000	0.250	0.210	0.985	0.864	VF SAND	0.056	VC SAND	0.099	M GRVL	0.097
						F SAND	0.055	VF GRVL	0.136	C GRVL	0.093
						M SAND	0.064	F GRVL	0.103	VC GRVL	0.061
						C SAND	0.099				
6094.000	0.000	0.250	0.210	0.985	0.863	VF SAND	0.057	VC SAND	0.099	M GRVL	0.097
						F SAND	0.055	VF GRVL	0.136	C GRVL	0.092
						M SAND	0.064	F GRVL	0.103	VC GRVL	0.061
						C SAND	0.099				
6099.000	0.000	0.250	0.210	0.985	0.862	VF SAND	0.057	VC SAND	0.099	M GRVL	0.097
						F SAND	0.056	VF GRVL	0.136	C GRVL	0.091
						M SAND	0.064	F GRVL	0.103	VC GRVL	0.060
						C SAND	0.099				
6104.000	0.000	0.250	0.210	0.985	0.861	VF SAND	0.057	VC SAND	0.099	M GRVL	0.097
						F SAND	0.056	VF GRVL	0.136	C GRVL	0.090
						M SAND	0.065	F GRVL	0.103	VC GRVL	0.059
						C SAND	0.099				
6109.000	0.000	0.250	0.210	0.985	0.860	VF SAND	0.058	VC SAND	0.099	M GRVL	0.096
						F SAND	0.056	VF GRVL	0.136	C GRVL	0.089
						M SAND	0.065	F GRVL	0.103	VC GRVL	0.058
						C SAND	0.099				
6114.000	0.000	0.250	0.210	0.986	0.859	VF SAND	0.058	VC SAND	0.100	M GRVL	0.096
						F SAND	0.056	VF GRVL	0.136	C GRVL	0.088
						M SAND	0.065	F GRVL	0.103	VC GRVL	0.057
						C SAND	0.100				
6119.000	0.000	0.250	0.210	0.986	0.858	VF SAND	0.058	VC SAND	0.100	M GRVL	0.096
						F SAND	0.056	VF GRVL	0.136	C GRVL	0.087
						M SAND	0.065	F GRVL	0.103	VC GRVL	0.056
						C SAND	0.100				
6239.000	0.000	0.250	0.210	0.991	0.834	VF SAND	0.064	VC SAND	0.104	M GRVL	0.091
						F SAND	0.060	VF GRVL	0.136	C GRVL	0.065
						M SAND	0.068	F GRVL	0.106	VC GRVL	0.036
						C SAND	0.104				
6244.000	0.000	0.250	0.210	0.991	0.833	VF SAND	0.065	VC SAND	0.104	M GRVL	0.090
						F SAND	0.060	VF GRVL	0.136	C GRVL	0.064
						M SAND	0.068	F GRVL	0.106	VC GRVL	0.036
						C SAND	0.104				
6249.000	0.000	0.250	0.210	0.991	0.832	VF SAND	0.065	VC SAND	0.104	M GRVL	0.090
						F SAND	0.060	VF GRVL	0.136	C GRVL	0.064
						M SAND	0.068	F GRVL	0.106	VC GRVL	0.035
						C SAND	0.104				
6261.000	0.000	0.250	0.210	0.992	0.830	VF SAND	0.065	VC SAND	0.105	M GRVL	0.090
						F SAND	0.060	VF GRVL	0.136	C GRVL	0.061
						M SAND	0.069	F GRVL	0.106	VC GRVL	0.033
						C SAND	0.105				
6266.000	0.000	0.250	0.210	0.992	0.829	VF SAND	0.066	VC SAND	0.105	M GRVL	0.089
						F SAND	0.060	VF GRVL	0.136	C GRVL	0.060
						M SAND	0.069	F GRVL	0.106	VC GRVL	0.032
						C SAND	0.105				
6271.000	0.000	0.250	0.210	0.992	0.828	VF SAND	0.066	VC SAND	0.105	M GRVL	0.089
						F SAND	0.060	VF GRVL	0.136	C GRVL	0.060
						M SAND	0.069	F GRVL	0.107	VC GRVL	0.031
						C SAND	0.105				
6276.000	0.000	0.250	0.210	0.992	0.827	VF SAND	0.066	VC SAND	0.105	M GRVL	0.089
						F SAND	0.061	VF GRVL	0.136	C GRVL	0.059
						M SAND	0.069	F GRVL	0.107	VC GRVL	0.030
						C SAND	0.105				
6281.000	0.000	0.250	0.210	0.993	0.826	VF SAND	0.066	VC SAND	0.105	M GRVL	0.089
						F SAND	0.061	VF GRVL	0.136	C GRVL	0.058
						M SAND	0.069	F GRVL	0.107	VC GRVL	0.029
						C SAND	0.105				
6286.000	0.000	0.250	0.210	0.993	0.825	VF SAND	0.067	VC SAND	0.105	M GRVL	0.088
						F SAND	0.061	VF GRVL	0.136	C GRVL	0.057

						M	SAND	0.069	F	GRVL	0.107	VC	GRVL	0.029
						C	SAND	0.105						
6291.000	0.000	0.250	0.210	0.993	0.824	VF	SAND	0.067	VC	SAND	0.106	M	GRVL	0.088
						F	SAND	0.061	VF	GRVL	0.136	C	GRVL	0.056
						M	SAND	0.070	F	GRVL	0.107	VC	GRVL	0.028
						C	SAND	0.106						
6296.000	0.000	0.250	0.210	0.993	0.823	VF	SAND	0.067	VC	SAND	0.106	M	GRVL	0.088
						F	SAND	0.061	VF	GRVL	0.136	C	GRVL	0.055
						M	SAND	0.070	F	GRVL	0.107	VC	GRVL	0.027
						C	SAND	0.106						
6301.000	0.000	0.250	0.210	0.993	0.822	VF	SAND	0.067	VC	SAND	0.106	M	GRVL	0.088
						F	SAND	0.061	VF	GRVL	0.136	C	GRVL	0.054
						M	SAND	0.070	F	GRVL	0.107	VC	GRVL	0.026
						C	SAND	0.106						
6344.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6349.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6354.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6366.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6371.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6376.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6381.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6386.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6391.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6396.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6401.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6406.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						

6444.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
6449.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
6454.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
6466.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
6471.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
6476.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
6481.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
6486.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
6491.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
6496.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
6501.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
6506.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
6884.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
6889.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
6894.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
6906.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046

						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6911.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6916.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6921.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6926.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6931.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6936.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6941.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
6946.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7194.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7199.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7204.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7216.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7221.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7226.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7231.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						

7236.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7241.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7246.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7251.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7256.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7444.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7449.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7454.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7467.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7472.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7477.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7482.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7487.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7492.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7497.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7502.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046

						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7507.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7544.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7549.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7554.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7566.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7571.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7576.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7581.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7586.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7591.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7596.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7601.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7606.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7794.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7799.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						

7804.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7816.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7821.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7826.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7831.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7836.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7841.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7846.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7851.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7856.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7944.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7949.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7954.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7966.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7971.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
7976.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046

						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7981.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7986.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7991.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
7996.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8001.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8006.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8144.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8149.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8154.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8166.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8171.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8176.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8181.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8186.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8191.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						

8196.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8201.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8206.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8444.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8449.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8454.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8466.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8471.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8476.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8481.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8486.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8491.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8496.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8501.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8506.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8544.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046

						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8549.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8554.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8566.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8571.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8576.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8581.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8586.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8591.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8596.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8601.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8606.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8644.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8649.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8654.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8666.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						

8671.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8676.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8681.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8686.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8691.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8696.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8701.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8706.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8744.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8749.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8754.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8766.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8771.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8776.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8781.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046
						M SAND	0.071	F GRVL	0.108	VC GRVL	0.019
						C SAND	0.107				
8786.000	0.000	0.250	0.210	0.995	0.995	VF SAND	0.070	VC SAND	0.107	M GRVL	0.086
						F SAND	0.063	VF GRVL	0.136	C GRVL	0.046

						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8791.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8796.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8801.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8806.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8844.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8849.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8854.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8866.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8871.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8876.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8881.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8886.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8891.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8896.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						
8901.000	0.000	0.250	0.210	0.995	0.995	VF	SAND	0.070	VC	SAND	0.107	M	GRVL	0.086
						F	SAND	0.063	VF	GRVL	0.136	C	GRVL	0.046
						M	SAND	0.071	F	GRVL	0.108	VC	GRVL	0.019
						C	SAND	0.107						

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  8906.000  0.000  0.250  0.210  0.995  0.995 | VF SAND  0.070 | VC SAND  0.107 | M  GRVL  0.086 |
                                               | F  SAND  0.063 | VF GRVL  0.136 | C  GRVL  0.046 |
                                               | M  SAND  0.071 | F  GRVL  0.108 | VC GRVL  0.019 |
                                               | C  SAND  0.107 |

  8911.000  0.000  0.250  0.210  0.995  0.995 | VF SAND  0.070 | VC SAND  0.107 | M  GRVL  0.086 |
                                               | F  SAND  0.063 | VF GRVL  0.136 | C  GRVL  0.046 |
                                               | M  SAND  0.071 | F  GRVL  0.108 | VC GRVL  0.019 |
                                               | C  SAND  0.107 |

  8916.000  0.000  0.250  0.210  0.995  0.995 | VF SAND  0.070 | VC SAND  0.107 | M  GRVL  0.086 |
                                               | F  SAND  0.063 | VF GRVL  0.136 | C  GRVL  0.046 |
                                               | M  SAND  0.071 | F  GRVL  0.108 | VC GRVL  0.019 |
                                               | C  SAND  0.107 |

  8921.000  0.000  0.250  0.210  0.995  0.995 | VF SAND  0.070 | VC SAND  0.107 | M  GRVL  0.086 |
                                               | F  SAND  0.063 | VF GRVL  0.136 | C  GRVL  0.046 |
                                               | M  SAND  0.071 | F  GRVL  0.108 | VC GRVL  0.019 |
                                               | C  SAND  0.107 |

  8926.000  0.000  0.250  0.210  0.995  0.995 | VF SAND  0.070 | VC SAND  0.107 | M  GRVL  0.086 |
                                               | F  SAND  0.063 | VF GRVL  0.136 | C  GRVL  0.046 |
                                               | M  SAND  0.071 | F  GRVL  0.108 | VC GRVL  0.019 |
                                               | C  SAND  0.107 |

  8959.000  0.000  0.250  0.210  0.995  0.995 | VF SAND  0.070 | VC SAND  0.107 | M  GRVL  0.086 |
                                               | F  SAND  0.063 | VF GRVL  0.136 | C  GRVL  0.046 |
                                               | M  SAND  0.071 | F  GRVL  0.108 | VC GRVL  0.019 |
                                               | C  SAND  0.107 |

 ..LOCAL INFLOW DATA...
 SEDIMENT LOAD TABLE FOR STREAM SEGMENT #   1
                 AT LOCAL INFLOW POINT #   1
          LOAD BY GRAIN SIZE CLASS (tons/day)

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 LQL      |0.100000    | 19.0000    | 33.0000    | 40.0000    | 47.0000    | 54.0000    | 61.0000    |
68.0000    | 74.0000    |
           ------------ ------------ ------------ ------------ ------------ ------------ ------------
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 LFL  VFS |0.100000E-19|0.646800    |0.896700    | 1.13190    | 1.30830    | 1.55820    | 1.55820    |
1.55820    | 1.55820    |
 LFL   FS |0.100000E-19|0.255200    |0.353800    |0.446600    |0.516200    |0.614800    |0.614800
|0.614800    |0.614800    |
 LFL   MS |0.100000E-19|0.334400    |0.463600    |0.585200    |0.676400    |0.805600    |0.805600
|0.805600    |0.805600    |
 LFL   CS |0.100000E-19|0.347600    |0.481900    |0.608300    |0.703100    |0.837400    |0.837400
|0.837400    |0.837400    |
 LFL  VCS |0.100000E-19|0.347600    |0.481900    |0.608300    |0.703100    |0.837400    |0.837400
|0.837400    |0.837400    |
 LFL  VFG |0.100000E-19|0.343200    |0.475800    |0.600600    |0.694200    |0.826800    |0.826800
|0.826800    |0.826800    |
 LFL   FG |0.100000E-19|0.994400    | 1.37860    | 1.74020    | 2.01140    | 2.39560    | 2.39560    |
2.39560    | 2.39560    |
 LFL   MG |0.100000E-19|0.554400    |0.768600    |0.970200    | 1.12140    | 1.33560    | 1.33560    |
1.33560    | 1.33560    |
 LFL   CG |0.100000E-19|0.286000    |0.396500    |0.500500    |0.578500    |0.689000    |0.689000
|0.689000    |0.689000    |
 LFL  VCG |0.100000E-19|0.290400    |0.402600    |0.508200    |0.587400    |0.699600    |0.699600
|0.699600    |0.699600    |
           ------------ ------------ ------------ ------------ ------------ ------------ ------------
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    TOTAL |0.100000E-18| 4.40000    | 6.10000    | 7.70000    | 8.90000    | 10.6000    | 10.6000    |
10.6000    | 10.6000    |

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 ..LOCAL INFLOW DATA...
 SEDIMENT LOAD TABLE FOR STREAM SEGMENT #   1
                 AT LOCAL INFLOW POINT #   2
          LOAD BY GRAIN SIZE CLASS (tons/day)

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LQL	0.100000	23.8000	31.8000	39.7000	47.7000	55.6000	69.0000	71.5000
								79.4000
LFL VFS	0.100000E-19	2.30790	3.41040	4.20420	5.30670	6.20340	7.29120	7.29120
								7.29120
LFL FS	0.100000E-19	0.910600	1.34560	1.65880	2.09380	2.44760	2.87680	2.87680
								2.87680
LFL MS	0.100000E-19	1.19320	1.76320	2.17360	2.74360	3.20720	3.76960	3.76960
								3.76960
LFL CS	0.100000E-19	1.24030	1.83280	2.25940	2.85190	3.33380	3.91840	3.91840
								3.91840
LFL VCS	0.100000E-19	1.24030	1.83280	2.25940	2.85190	3.33380	3.91840	3.91840
								3.91840
LFL VFG	0.100000E-19	1.22460	1.80960	2.23080	2.81580	3.29160	3.86880	3.86880
								3.86880
LFL FG	0.100000E-19	3.54820	5.24320	6.46360	8.15860	9.53720	11.2096	11.2096
								11.2096
LFL MG	0.100000E-19	1.97820	2.92320	3.60360	4.54860	5.31720	6.24960	6.24960
								6.24960
LFL CG	0.100000E-19	1.02050	1.50800	1.85900	2.34650	2.74300	3.22400	3.22400
								3.22400
LFL VCG	0.100000E-19	1.03620	1.53120	1.88760	2.38260	2.78520	3.27360	3.27360
								3.27360
TOTAL	0.100000E-18	15.7000	23.2000	28.6000	36.1000	42.2000	49.6000	49.6000

..LOCAL INFLOW DATA...
SEDIMENT LOAD TABLE FOR STREAM SEGMENT # 1
AT LOCAL INFLOW POINT # 3
LOAD BY GRAIN SIZE CLASS (tons/day)

LQL	0.100000	65.9000	87.8000	109.800	131.800	153.700	175.700	205.000
								219.600
LFL VFS	0.100000E-19	5.05680	6.83550	8.98170	10.9368	12.8625	14.7735	16.8315
								16.8315
LFL FS	0.100000E-19	1.99520	2.69700	3.54380	4.31520	5.07500	5.82900	6.64100
								6.64100
LFL MS	0.100000E-19	2.61440	3.53400	4.64360	5.65440	6.65000	7.63800	8.70200
								8.70200
LFL CS	0.100000E-19	2.71760	3.67350	4.82690	5.87760	6.91250	7.93950	9.04550
								9.04550
LFL VCS	0.100000E-19	2.71760	3.67350	4.82690	5.87760	6.91250	7.93950	9.04550
								9.04550
LFL VFG	0.100000E-19	2.68320	3.62700	4.76580	5.80320	6.82500	7.83900	8.93100
								8.93100
LFL FG	0.100000E-19	7.77440	10.5090	13.8086	16.8144	19.7750	22.7130	25.8770
								25.8770
LFL MG	0.100000E-19	4.33440	5.85900	7.69860	9.37440	11.0250	12.6630	14.4270
								14.4270
LFL CG	0.100000E-19	2.23600	3.02250	3.97150	4.83600	5.68750	6.53250	7.44250
								7.44250
LFL VCG	0.100000E-19	2.27040	3.06900	4.03260	4.91040	5.77500	6.63300	7.55700
								7.55700
TOTAL	0.100000E-18	34.4000	46.5000	61.1000	74.4000	87.5000	100.500	114.500

BED SEDIMENT CONTROL VOLUMES

STREAM SEGMENT # 1: LAS SENDAS PHASE II - CHANNEL A - 12/27/96

SECTION NUMBER	LENGTH (ft)	WIDTH (ft)	DEPTH (ft)	V O L U M E (cu.ft)	(cu.yd)

2900.000	60.000	76.000	10.000	45600.0	1688.89
3020.000	62.500	76.000	0.100	475.000	17.5926
3025.000	5.000	76.000	0.100	38.0000	1.40741
3030.000	9.000	76.000	0.100	68.4000	2.53333
3043.000	9.000	76.000	0.100	68.4000	2.53333
3048.000	5.000	76.000	10.000	3800.00	140.741
3053.000	5.000	76.000	10.000	3800.00	140.741
3058.000	5.000	76.000	10.000	3800.00	140.741
3063.000	5.000	76.000	10.000	3800.00	140.741
3068.000	5.000	76.000	10.000	3800.00	140.741
3073.000	5.000	76.000	10.000	3800.00	140.741
3078.000	5.000	76.000	10.000	3800.00	140.741
3083.000	92.000	76.000	10.000	69920.0	2589.63
3262.000	92.000	76.000	0.100	699.200	25.8963
3267.000	5.000	76.000	0.100	38.0000	1.40741
3272.000	8.500	76.000	0.100	64.6000	2.39259
3284.000	8.500	76.000	0.100	64.6000	2.39259
3289.000	5.000	76.000	10.000	3800.00	140.741
3294.000	5.000	76.000	10.000	3800.00	140.741
3299.000	5.000	76.000	10.000	3800.00	140.741
3304.000	5.000	76.000	10.000	3800.00	140.741
3309.000	5.000	76.000	10.000	3800.00	140.741
3314.000	5.000	76.000	10.000	3800.00	140.741
3319.000	5.000	76.000	10.000	3800.00	140.741
3324.000	6.500	76.000	10.000	4940.00	182.963
3332.000	6.500	76.000	10.000	4940.00	182.963
3337.000	5.000	76.000	10.000	3800.00	140.741
3342.000	5.000	76.000	10.000	3800.00	140.741
3347.000	5.000	76.000	10.000	3800.00	140.741
3352.000	5.000	76.000	0.100	38.0000	1.40741
3357.000	5.000	76.000	0.100	38.0000	1.40741
3362.000	8.500	76.000	0.100	64.6000	2.39259
3374.000	8.500	76.000	0.100	64.6000	2.39259
3379.000	5.000	76.000	10.000	3800.00	140.741
3384.000	5.000	76.000	10.000	3800.00	140.741
3389.000	5.000	76.000	10.000	3800.00	140.741
3394.000	5.000	76.000	10.000	3800.00	140.741
3399.000	5.000	76.000	10.000	3800.00	140.741
3404.000	5.000	76.000	10.000	3800.00	140.741
3409.000	5.000	76.000	10.000	3800.00	140.741
3414.000	10.500	76.000	10.000	7980.00	295.556
3430.000	10.500	76.000	0.100	79.8000	2.95556
3435.000	5.000	76.000	0.100	38.0000	1.40741
3440.000	8.500	76.000	0.100	64.6000	2.39259
3452.000	8.500	76.000	0.100	64.6000	2.39259
3457.000	5.000	76.000	10.000	3800.00	140.741
3462.000	5.000	76.000	10.000	3800.00	140.741
3467.000	5.000	76.000	10.000	3800.00	140.741
3472.000	5.000	76.000	10.000	3800.00	140.741
3477.000	5.000	76.000	10.000	3800.00	140.741
3482.000	5.000	76.000	10.000	3800.00	140.741
3487.000	5.000	76.000	10.000	3800.00	140.741
3492.000	36.500	76.000	10.000	27740.0	1027.41
3560.000	36.500	76.000	0.100	277.400	10.2741
3565.000	5.000	76.000	0.100	38.0000	1.40741
3570.000	8.500	76.000	0.100	64.6000	2.39259
3582.000	8.500	76.000	0.100	64.6000	2.39259
3587.000	5.000	76.000	10.000	3800.00	140.741
3592.000	5.000	76.000	10.000	3800.00	140.741
3597.000	5.000	76.000	10.000	3800.00	140.741
3602.000	5.000	76.000	10.000	3800.00	140.741
3607.000	5.000	76.000	10.000	3800.00	140.741
3612.000	5.000	76.000	10.000	3800.00	140.741
3617.000	5.000	76.000	10.000	3800.00	140.741
3622.000	8.500	76.000	10.000	6460.00	239.259
3634.000	8.500	76.000	0.100	64.6000	2.39259
3639.000	5.000	76.000	0.100	38.0000	1.40741
3644.000	8.500	76.000	0.100	64.6000	2.39259
3656.000	8.500	76.000	0.100	64.6000	2.39259
3661.000	5.000	76.000	10.000	3800.00	140.741
3666.000	5.000	76.000	10.000	3800.00	140.741
3671.000	5.000	76.000	10.000	3800.00	140.741
3676.000	5.000	76.000	10.000	3800.00	140.741
3681.000	5.000	76.000	10.000	3800.00	140.741
3686.000	5.000	76.000	10.000	3800.00	140.741
3691.000	5.000	76.000	10.000	3800.00	140.741
3696.000	5.000	76.000	10.000	3800.00	140.741

3746.000	5.000	76.000	0.100	38.0000	1.40741
3751.000	5.000	76.000	0.100	38.0000	1.40741
3756.000	8.500	76.000	0.100	64.6000	2.39259
3768.000	8.500	76.000	0.100	64.6000	2.39259
3773.000	5.000	76.000	10.000	3800.00	140.741
3778.000	5.000	76.000	10.000	3800.00	140.741
3783.000	5.000	76.000	10.000	3800.00	140.741
3788.000	5.000	76.000	10.000	3800.00	140.741
3793.000	5.000	76.000	10.000	3800.00	140.741
3798.000	5.000	76.000	10.000	3800.00	140.741
3803.000	5.000	76.000	10.000	3800.00	140.741
3808.000	12.000	76.000	10.000	9120.00	337.778
3827.000	12.000	76.000	0.100	91.2000	3.37778
3832.000	5.000	76.000	0.100	38.0000	1.40741
3837.000	8.500	76.000	0.100	64.6000	2.39259
3849.000	8.500	76.000	0.100	64.6000	2.39259
3854.000	5.000	76.000	10.000	3800.00	140.741
3859.000	5.000	76.000	10.000	3800.00	140.741
3864.000	5.000	76.000	10.000	3800.00	140.741
3869.000	5.000	76.000	10.000	3800.00	140.741
3874.000	5.000	76.000	10.000	3800.00	140.741
3879.000	5.000	76.000	10.000	3800.00	140.741
3884.000	5.000	76.000	10.000	3800.00	140.741
3889.000	11.000	76.000	10.000	8360.00	309.630
3906.000	11.000	76.000	0.100	83.6000	3.09630
3911.000	5.000	76.000	0.100	38.0000	1.40741
3916.000	8.500	76.000	0.100	64.6000	2.39259
3928.000	8.500	76.000	0.100	64.6000	2.39259
3933.000	5.000	76.000	10.000	3800.00	140.741
3938.000	5.000	76.000	10.000	3800.00	140.741
3943.000	5.000	76.000	10.000	3800.00	140.741
3948.000	5.000	76.000	10.000	3800.00	140.741
3953.000	5.000	76.000	10.000	3800.00	140.741
3958.000	5.000	76.000	10.000	3800.00	140.741
3963.000	5.000	76.000	10.000	3800.00	140.741
3968.000	9.000	76.000	10.000	6840.00	253.333
3981.000	9.000	76.000	0.100	68.4000	2.53333
3986.000	5.000	76.000	0.100	38.0000	1.40741
3991.000	8.500	76.000	0.100	64.6000	2.39259
4003.000	8.500	76.000	0.100	64.6000	2.39259
4008.000	5.000	76.000	10.000	3800.00	140.741
4013.000	5.000	76.000	10.000	3800.00	140.741
4018.000	5.000	76.000	10.000	3800.00	140.741
4023.000	5.000	76.000	10.000	3800.00	140.741
4028.000	5.000	76.000	10.000	3800.00	140.741
4033.000	5.000	76.000	10.000	3800.00	140.741
4038.000	5.000	76.000	10.000	3800.00	140.741
4043.000	73.000	76.000	10.000	55480.0	2054.81
4184.000	73.000	76.000	0.100	554.800	20.5481
4189.000	5.000	76.000	0.100	38.0000	1.40741
4194.000	8.500	76.000	0.100	64.6000	2.39259
4206.000	8.500	76.000	0.100	64.6000	2.39259
4211.000	5.000	76.000	10.000	3800.00	140.741
4216.000	5.000	76.000	10.000	3800.00	140.741
4221.000	5.000	76.000	10.000	3800.00	140.741
4226.000	5.000	76.000	10.000	3800.00	140.741
4231.000	5.000	76.000	10.000	3800.00	140.741
4236.000	5.000	76.000	10.000	3800.00	140.741
4241.000	5.000	76.000	10.000	3800.00	140.741
4246.000	7.500	76.000	10.000	5700.00	211.111
4256.000	7.500	76.000	0.100	57.0000	2.11111
4261.000	5.000	76.000	0.100	38.0000	1.40741
4266.000	8.500	76.000	0.100	64.6000	2.39259
4278.000	8.500	76.000	0.100	64.6000	2.39259
4283.000	5.000	76.000	10.000	3800.00	140.741
4288.000	5.000	76.000	10.000	3800.00	140.741
4293.000	5.000	76.000	10.000	3800.00	140.741
4298.000	5.000	76.000	10.000	3800.00	140.741
4303.000	5.000	76.000	10.000	3800.00	140.741
4308.000	5.000	76.000	10.000	3800.00	140.741
4313.000	5.000	76.000	10.000	3800.00	140.741
4318.000	51.000	76.000	10.000	38760.0	1435.56
4415.000	51.000	76.000	10.000	38760.0	1435.56
4420.000	5.000	76.000	10.000	3800.00	140.741
4425.000	5.000	76.000	10.000	3800.00	140.741
4430.000	5.000	76.000	10.000	3800.00	140.741
4435.000	5.000	68.667	0.100	34.3333	1.27160

4440.000	62.500	32.587	0.100	203.667	7.54321
4560.000	69.000	33.913	0.100	234.000	8.66667
4578.000	22.000	70.000	0.100	154.000	5.70370
4604.000	14.500	76.000	0.100	110.200	4.08148
4607.000	4.000	76.000	0.100	30.4000	1.12593
4612.000	5.000	76.000	10.000	3800.00	140.741
4617.000	5.000	76.000	10.000	3800.00	140.741
4622.000	5.000	76.000	10.000	3800.00	140.741
4627.000	5.000	76.000	10.000	3800.00	140.741
4632.000	5.000	76.000	10.000	3800.00	140.741
4637.000	5.000	76.000	10.000	3800.00	140.741
4642.000	5.000	76.000	10.000	3800.00	140.741
4647.000	127.000	76.000	10.000	96520.0	3574.81
4896.000	127.000	76.000	0.100	965.200	35.7481
4901.000	5.000	76.000	0.100	38.0000	1.40741
4906.000	8.500	76.000	0.100	64.6000	2.39259
4918.000	8.500	76.000	0.100	64.6000	2.39259
4923.000	5.000	76.000	10.000	3800.00	140.741
4928.000	5.000	76.000	10.000	3800.00	140.741
4933.000	5.000	76.000	10.000	3800.00	140.741
4938.000	5.000	76.000	10.000	3800.00	140.741
4943.000	5.000	76.000	10.000	3800.00	140.741
4948.000	5.000	76.000	10.000	3800.00	140.741
4953.000	5.000	76.000	10.000	3800.00	140.741
4958.000	11.500	76.000	10.000	8740.00	323.704
4976.000	11.500	76.000	0.100	87.4000	3.23704
4981.000	5.000	76.000	0.100	38.0000	1.40741
4986.000	8.500	76.000	0.100	64.6000	2.39259
4998.000	8.500	76.000	0.100	64.6000	2.39259
5003.000	5.000	76.000	10.000	3800.00	140.741
5008.000	5.000	76.000	10.000	3800.00	140.741
5013.000	5.000	76.000	10.000	3800.00	140.741
5018.000	5.000	76.000	10.000	3800.00	140.741
5023.000	5.000	76.000	10.000	3800.00	140.741
5028.000	5.000	76.000	10.000	3800.00	140.741
5033.000	5.000	76.000	10.000	3800.00	140.741
5038.000	13.000	76.000	10.000	9880.00	365.926
5059.000	13.000	76.000	0.100	98.8000	3.65926
5064.000	5.000	76.000	0.100	38.0000	1.40741
5069.000	8.500	76.000	0.100	64.6000	2.39259
5081.000	8.500	76.000	0.100	64.6000	2.39259
5086.000	5.000	76.000	10.000	3800.00	140.741
5091.000	5.000	76.000	10.000	3800.00	140.741
5096.000	5.000	76.000	10.000	3800.00	140.741
5101.000	5.000	76.000	10.000	3800.00	140.741
5106.000	5.000	76.000	10.000	3800.00	140.741
5111.000	5.000	76.000	10.000	3800.00	140.741
5116.000	5.000	76.000	10.000	3800.00	140.741
5121.000	46.000	76.000	10.000	34960.0	1294.81
5208.000	46.000	76.000	0.100	349.600	12.9481
5213.000	5.000	76.000	0.100	38.0000	1.40741
5218.000	8.500	76.000	0.100	64.6000	2.39259
5230.000	8.500	76.000	0.100	64.6000	2.39259
5235.000	5.000	76.000	10.000	3800.00	140.741
5240.000	5.000	76.000	10.000	3800.00	140.741
5245.000	5.000	76.000	10.000	3800.00	140.741
5250.000	5.000	76.000	10.000	3800.00	140.741
5255.000	5.000	76.000	10.000	3800.00	140.741
5260.000	5.000	76.000	10.000	3800.00	140.741
5265.000	5.000	76.000	10.000	3800.00	140.741
5270.000	36.000	76.000	10.000	27360.0	1013.33
5337.000	36.000	76.000	0.100	273.600	10.1333
5342.000	5.000	76.000	0.100	38.0000	1.40741
5347.000	8.500	76.000	0.100	64.6000	2.39259
5359.000	8.500	76.000	0.100	64.6000	2.39259
5364.000	5.000	76.000	10.000	3800.00	140.741
5369.000	5.000	76.000	10.000	3800.00	140.741
5374.000	5.000	76.000	10.000	3800.00	140.741
5379.000	5.000	76.000	10.000	3800.00	140.741
5384.000	5.000	76.000	10.000	3800.00	140.741
5389.000	5.000	76.000	10.000	3800.00	140.741
5394.000	5.000	76.000	10.000	3800.00	140.741
5399.000	31.500	76.000	10.000	23940.0	886.667
5457.000	31.500	76.000	0.100	239.400	8.86667
5462.000	5.000	76.000	0.100	38.0000	1.40741
5467.000	8.500	76.000	0.100	64.6000	2.39259
5479.000	8.500	76.000	0.100	64.6000	2.39259

5484.000	5.000	76.000	10.000	3800.00	140.741
5489.000	5.000	76.000	10.000	3800.00	140.741
5494.000	5.000	76.000	10.000	3800.00	140.741
5499.000	5.000	76.000	10.000	3800.00	140.741
5504.000	5.000	76.000	10.000	3800.00	140.741
5509.000	5.000	76.000	10.000	3800.00	140.741
5514.000	5.000	76.000	10.000	3800.00	140.741
5519.000	21.500	76.000	10.000	16340.0	605.185
5557.000	21.500	76.000	0.100	163.400	6.05185
5562.000	5.000	76.000	0.100	38.0000	1.40741
5567.000	8.500	76.000	0.100	64.6000	2.39259
5579.000	8.500	76.000	0.100	64.6000	2.39259
5584.000	5.000	76.000	0.100	38.0000	1.40741
5589.000	5.000	76.000	0.100	38.0000	1.40741
5594.000	5.000	76.000	0.100	38.0000	1.40741
5599.000	5.000	76.000	0.100	38.0000	1.40741
5604.000	5.000	76.000	0.100	38.0000	1.40741
5609.000	5.000	76.000	0.100	38.0000	1.40741
5614.000	5.000	76.000	0.100	38.0000	1.40741
5619.000	21.500	76.000	0.100	163.400	6.05185
5657.000	21.500	76.000	0.100	163.400	6.05185
5662.000	5.000	76.000	0.100	38.0000	1.40741
5667.000	8.500	76.000	0.100	64.6000	2.39259
5679.000	8.500	76.000	0.100	64.6000	2.39259
5684.000	5.000	76.000	0.100	38.0000	1.40741
5689.000	5.000	76.000	0.100	38.0000	1.40741
5694.000	5.000	76.000	0.100	38.0000	1.40741
5699.000	5.000	76.000	0.100	38.0000	1.40741
5704.000	5.000	76.000	0.100	38.0000	1.40741
5709.000	5.000	76.000	0.100	38.0000	1.40741
5714.000	5.000	76.000	0.100	38.0000	1.40741
5719.000	21.500	76.000	0.100	163.400	6.05185
5757.000	21.500	76.000	0.100	163.400	6.05185
5762.000	5.000	76.000	0.100	38.0000	1.40741
5767.000	8.500	76.000	0.100	64.6000	2.39259
5779.000	8.500	76.000	0.100	64.6000	2.39259
5784.000	5.000	76.000	0.100	38.0000	1.40741
5789.000	5.000	76.000	0.100	38.0000	1.40741
5794.000	5.000	76.000	0.100	38.0000	1.40741
5799.000	5.000	76.000	0.100	38.0000	1.40741
5804.000	5.000	76.000	0.100	38.0000	1.40741
5809.000	5.000	76.000	0.100	38.0000	1.40741
5814.000	5.000	76.000	0.100	38.0000	1.40741
5819.000	12.500	76.000	0.100	95.0000	3.51852
5839.000	12.500	76.000	0.100	95.0000	3.51852
5844.000	5.000	76.000	0.100	38.0000	1.40741
5849.000	8.500	76.000	0.100	64.6000	2.39259
5861.000	8.500	76.000	0.100	64.6000	2.39259
5866.000	5.000	76.000	0.100	38.0000	1.40741
5871.000	5.000	76.000	0.100	38.0000	1.40741
5876.000	5.000	76.000	0.100	38.0000	1.40741
5881.000	5.000	76.000	0.100	38.0000	1.40741
5886.000	5.000	76.000	0.100	38.0000	1.40741
5891.000	5.000	76.000	0.100	38.0000	1.40741
5896.000	5.000	76.000	0.100	38.0000	1.40741
5901.000	80.500	76.000	0.100	611.800	22.6593
6057.000	80.500	76.000	0.100	611.800	22.6593
6062.000	5.000	76.000	0.100	38.0000	1.40741
6067.000	8.500	76.000	0.100	64.6000	2.39259
6079.000	8.500	76.000	0.100	64.6000	2.39259
6084.000	5.000	76.000	0.100	38.0000	1.40741
6089.000	5.000	76.000	0.100	38.0000	1.40741
6094.000	5.000	76.000	0.100	38.0000	1.40741
6099.000	5.000	76.000	0.100	38.0000	1.40741
6104.000	5.000	76.000	0.100	38.0000	1.40741
6109.000	5.000	76.000	0.100	38.0000	1.40741
6114.000	5.000	76.000	0.100	38.0000	1.40741
6119.000	62.500	76.000	0.100	475.000	17.5926
6239.000	62.500	76.000	0.100	475.000	17.5926
6244.000	5.000	76.000	0.100	38.0000	1.40741
6249.000	8.500	76.000	0.100	64.6000	2.39259
6261.000	8.500	76.000	0.100	64.6000	2.39259
6266.000	5.000	76.000	0.100	38.0000	1.40741
6271.000	5.000	76.000	0.100	38.0000	1.40741
6276.000	5.000	76.000	0.100	38.0000	1.40741
6281.000	5.000	76.000	0.100	38.0000	1.40741
6286.000	5.000	76.000	0.100	38.0000	1.40741

6291.000	5.000	76.000	0.100	38.0000	1.40741
6296.000	5.000	76.000	0.100	38.0000	1.40741
6301.000	24.000	76.000	0.100	182.400	6.75556
6344.000	24.000	76.000	0.100	182.400	6.75556
6349.000	5.000	76.000	0.100	38.0000	1.40741
6354.000	8.500	76.000	0.100	64.6000	2.39259
6366.000	8.500	76.000	0.100	64.6000	2.39259
6371.000	5.000	76.000	10.000	3800.00	140.741
6376.000	5.000	76.000	10.000	3800.00	140.741
6381.000	5.000	76.000	10.000	3800.00	140.741
6386.000	5.000	76.000	10.000	3800.00	140.741
6391.000	5.000	76.000	10.000	3800.00	140.741
6396.000	5.000	76.000	10.000	3800.00	140.741
6401.000	5.000	76.000	10.000	3800.00	140.741
6406.000	21.500	76.000	10.000	16340.0	605.185
6444.000	21.500	76.000	0.100	163.400	6.05185
6449.000	5.000	76.000	0.100	38.0000	1.40741
6454.000	8.500	76.000	0.100	64.6000	2.39259
6466.000	8.500	76.000	0.100	64.6000	2.39259
6471.000	5.000	76.000	10.000	3800.00	140.741
6476.000	5.000	76.000	10.000	3800.00	140.741
6481.000	5.000	76.000	10.000	3800.00	140.741
6486.000	5.000	76.000	10.000	3800.00	140.741
6491.000	5.000	76.000	10.000	3800.00	140.741
6496.000	5.000	76.000	10.000	3800.00	140.741
6501.000	5.000	76.000	10.000	3800.00	140.741
6506.000	191.500	76.000	10.000	145540.	5390.37
6884.000	191.500	76.000	0.100	1455.40	53.9037
6889.000	5.000	76.000	0.100	38.0000	1.40741
6894.000	8.500	76.000	0.100	64.6000	2.39259
6906.000	8.500	76.000	0.100	64.6000	2.39259
6911.000	5.000	76.000	10.000	3800.00	140.741
6916.000	5.000	76.000	10.000	3800.00	140.741
6921.000	5.000	76.000	10.000	3800.00	140.741
6926.000	5.000	76.000	10.000	3800.00	140.741
6931.000	5.000	76.000	10.000	3800.00	140.741
6936.000	5.000	76.000	10.000	3800.00	140.741
6941.000	5.000	76.000	10.000	3800.00	140.741
6946.000	126.500	76.000	10.000	96140.0	3560.74
7194.000	126.500	76.000	0.100	961.400	35.6074
7199.000	5.000	76.000	0.100	38.0000	1.40741
7204.000	8.500	76.000	0.100	64.6000	2.39259
7216.000	8.500	76.000	0.100	64.6000	2.39259
7221.000	5.000	76.000	10.000	3800.00	140.741
7226.000	5.000	76.000	10.000	3800.00	140.741
7231.000	5.000	76.000	10.000	3800.00	140.741
7236.000	5.000	76.000	10.000	3800.00	140.741
7241.000	5.000	76.000	10.000	3800.00	140.741
7246.000	5.000	76.000	10.000	3800.00	140.741
7251.000	5.000	76.000	10.000	3800.00	140.741
7256.000	96.500	76.000	10.000	73340.0	2716.30
7444.000	96.500	76.000	0.100	733.400	27.1630
7449.000	5.000	76.000	0.100	38.0000	1.40741
7454.000	9.000	76.000	0.100	68.4000	2.53333
7467.000	9.000	76.000	0.100	68.4000	2.53333
7472.000	5.000	76.000	10.000	3800.00	140.741
7477.000	5.000	76.000	10.000	3800.00	140.741
7482.000	5.000	76.000	10.000	3800.00	140.741
7487.000	5.000	76.000	10.000	3800.00	140.741
7492.000	5.000	76.000	10.000	3800.00	140.741
7497.000	5.000	76.000	10.000	3800.00	140.741
7502.000	5.000	76.000	10.000	3800.00	140.741
7507.000	21.000	76.000	10.000	15960.0	591.111
7544.000	21.000	76.000	0.100	159.600	5.91111
7549.000	5.000	76.000	0.100	38.0000	1.40741
7554.000	8.500	76.000	0.100	64.6000	2.39259
7566.000	8.500	76.000	0.100	64.6000	2.39259
7571.000	5.000	76.000	10.000	3800.00	140.741
7576.000	5.000	76.000	10.000	3800.00	140.741
7581.000	5.000	76.000	10.000	3800.00	140.741
7586.000	5.000	76.000	10.000	3800.00	140.741
7591.000	5.000	76.000	10.000	3800.00	140.741
7596.000	5.000	76.000	10.000	3800.00	140.741
7601.000	5.000	76.000	10.000	3800.00	140.741
7606.000	96.500	76.000	10.000	73340.0	2716.30
7794.000	96.500	76.000	0.100	733.400	27.1630
7799.000	5.000	76.000	0.100	38.0000	1.40741

7804.000	8.500	76.000	0.100	64.6000	2.39259
7816.000	8.500	76.000	0.100	64.6000	2.39259
7821.000	5.000	76.000	10.000	3800.00	140.741
7826.000	5.000	76.000	10.000	3800.00	140.741
7831.000	5.000	76.000	10.000	3800.00	140.741
7836.000	5.000	76.000	10.000	3800.00	140.741
7841.000	5.000	76.000	10.000	3800.00	140.741
7846.000	5.000	76.000	10.000	3800.00	140.741
7851.000	5.000	76.000	10.000	3800.00	140.741
7856.000	46.500	76.000	10.000	35340.0	1308.89
7944.000	46.500	76.000	0.100	353.400	13.0889
7949.000	5.000	76.000	0.100	38.0000	1.40741
7954.000	8.500	76.000	0.100	64.6000	2.39259
7966.000	8.500	76.000	0.100	64.6000	2.39259
7971.000	5.000	76.000	10.000	3800.00	140.741
7976.000	5.000	76.000	10.000	3800.00	140.741
7981.000	5.000	76.000	10.000	3800.00	140.741
7986.000	5.000	76.000	10.000	3800.00	140.741
7991.000	5.000	76.000	10.000	3800.00	140.741
7996.000	5.000	76.000	10.000	3800.00	140.741
8001.000	5.000	76.000	10.000	3800.00	140.741
8006.000	71.500	76.000	10.000	54340.0	2012.59
8144.000	71.500	76.000	0.100	543.400	20.1259
8149.000	5.000	76.000	0.100	38.0000	1.40741
8154.000	8.500	76.000	0.100	64.6000	2.39259
8166.000	8.500	76.000	0.100	64.6000	2.39259
8171.000	5.000	76.000	10.000	3800.00	140.741
8176.000	5.000	76.000	10.000	3800.00	140.741
8181.000	5.000	76.000	10.000	3800.00	140.741
8186.000	5.000	76.000	10.000	3800.00	140.741
8191.000	5.000	76.000	10.000	3800.00	140.741
8196.000	5.000	76.000	10.000	3800.00	140.741
8201.000	5.000	76.000	10.000	3800.00	140.741
8206.000	121.500	76.000	10.000	92340.0	3420.00
8444.000	121.500	76.000	0.100	923.400	34.2000
8449.000	5.000	76.000	0.100	38.0000	1.40741
8454.000	8.500	76.000	0.100	64.6000	2.39259
8466.000	8.500	76.000	0.100	64.6000	2.39259
8471.000	5.000	76.000	10.000	3800.00	140.741
8476.000	5.000	76.000	10.000	3800.00	140.741
8481.000	5.000	76.000	10.000	3800.00	140.741
8486.000	5.000	76.000	10.000	3800.00	140.741
8491.000	5.000	76.000	10.000	3800.00	140.741
8496.000	5.000	76.000	10.000	3800.00	140.741
8501.000	5.000	76.000	10.000	3800.00	140.741
8506.000	21.500	76.000	10.000	16340.0	605.185
8544.000	21.500	76.000	0.100	163.400	6.05185
8549.000	5.000	76.000	0.100	38.0000	1.40741
8554.000	8.500	76.000	0.100	64.6000	2.39259
8566.000	8.500	76.000	0.100	64.6000	2.39259
8571.000	5.000	76.000	10.000	3800.00	140.741
8576.000	5.000	76.000	10.000	3800.00	140.741
8581.000	5.000	76.000	10.000	3800.00	140.741
8586.000	5.000	76.000	10.000	3800.00	140.741
8591.000	5.000	76.000	10.000	3800.00	140.741
8596.000	5.000	76.000	10.000	3800.00	140.741
8601.000	5.000	76.000	10.000	3800.00	140.741
8606.000	21.500	76.000	10.000	16340.0	605.185
8644.000	21.500	76.000	0.100	163.400	6.05185
8649.000	5.000	76.000	0.100	38.0000	1.40741
8654.000	8.500	76.000	0.100	64.6000	2.39259
8666.000	8.500	76.000	0.100	64.6000	2.39259
8671.000	5.000	76.000	10.000	3800.00	140.741
8676.000	5.000	76.000	10.000	3800.00	140.741
8681.000	5.000	76.000	10.000	3800.00	140.741
8686.000	5.000	76.000	10.000	3800.00	140.741
8691.000	5.000	76.000	10.000	3800.00	140.741
8696.000	5.000	76.000	10.000	3800.00	140.741
8701.000	5.000	76.000	10.000	3800.00	140.741
8706.000	21.500	76.000	10.000	16340.0	605.185
8744.000	21.500	76.000	0.100	163.400	6.05185
8749.000	5.000	76.000	0.100	38.0000	1.40741
8754.000	8.500	76.000	0.100	64.6000	2.39259
8766.000	8.500	76.000	0.100	64.6000	2.39259
8771.000	5.000	76.000	10.000	3800.00	140.741
8776.000	5.000	76.000	10.000	3800.00	140.741
8781.000	5.000	76.000	10.000	3800.00	140.741

8786.000	5.000	76.000	10.000	3800.00	140.741
8791.000	5.000	76.000	10.000	3800.00	140.741
8796.000	5.000	76.000	10.000	3800.00	140.741
8801.000	5.000	76.000	10.000	3800.00	140.741
8806.000	21.500	76.000	10.000	16340.0	605.185
8844.000	21.500	76.000	0.100	163.400	6.05185
8849.000	5.000	76.000	0.100	38.0000	1.40741
8854.000	8.500	76.000	0.100	64.6000	2.39259
8866.000	8.500	76.000	0.100	64.6000	2.39259
8871.000	5.000	76.000	10.000	3800.00	140.741
8876.000	5.000	76.000	10.000	3800.00	140.741
8881.000	5.000	76.000	10.000	3800.00	140.741
8886.000	5.000	76.000	10.000	3800.00	140.741
8891.000	5.000	76.000	10.000	3800.00	140.741
8896.000	5.000	76.000	10.000	3800.00	140.741
8901.000	5.000	76.000	10.000	3800.00	140.741
8906.000	5.000	76.000	0.100	38.0000	1.40741
8911.000	5.000	76.000	0.100	38.0000	1.40741
8916.000	5.000	76.000	0.100	38.0000	1.40741
8921.000	5.000	76.000	0.100	38.0000	1.40741
8926.000	19.000	76.000	0.100	144.400	5.34815
8959.000	16.500	76.000	0.100	125.400	4.64444

NO. OF INPUT DATA MESSAGES= 0
END OF SEDIMENT DATA

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$HYD
BEGIN COMPUTATIONS.

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TIME STEP # 1
* BA 100 Year Discharge

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LAS SENDAS PHASE II - CHANNEL A - 12/27/96
ACCUMULATED TIME (yrs).... 0.003
FLOW DURATION (days)...... 1.000

UPSTREAM BOUNDARY CONDITIONS

Stream Segment # 1 Section No. 8959.000	DISCHARGE (cfs)	SEDIMENT LOAD (tons/day)	TEMPERATURE (deg F)
INFLOW	994.00	22.90	65.00

Upstream of SECTION NO. 8466.000 is...

LOCAL INFLOW POINT # 3	DISCHARGE (cfs)	SEDIMENT LOAD (tons/day)	TEMPERATURE (deg F)
MAINSTEM INFLOW	994.00	22.90	65.00
LOCAL INFLOW	203.00	113.55	65.00
TOTAL	1197.00	136.45	65.00

Upstream of SECTION NO. 6906.000 is...

LOCAL INFLOW POINT # 2	DISCHARGE (cfs)	SEDIMENT LOAD (tons/day)	TEMPERATURE (deg F)
MAINSTEM INFLOW	1197.00	136.45	65.00
LOCAL INFLOW	67.00	48.52	65.00
TOTAL	1264.00	184.97	65.00

Upstream of SECTION NO. 6261.000 is...

LOCAL INFLOW POINT # 1	DISCHARGE (cfs)	SEDIMENT LOAD (tons/day)	TEMPERATURE (deg F)
MAINSTEM INFLOW	1264.00	184.97	65.00
LOCAL INFLOW	68.00	10.60	65.00
TOTAL	1332.00	195.57	65.00

TABLE SA-1. TRAP EFFICIENCY ON STREAM SEGMENT # 1
LAS SENDAS PHASE II - CHANNEL A - 12/27/96
ACCUMULATED AC-FT ENTERING AND LEAVING THIS STREAM SEGMENT

TIME DAYS	ENTRY POINT	SAND INFLOW	SAND OUTFLOW	SAND TRAP EFF
1.00	8959.000	0.01		
	8466.000	0.06		
	6906.000	0.02		
	6261.000	0.01		
TOTAL=	2900.000	0.10	0.72	-6.48

TABLE SB-1: SEDIMENT LOAD PASSING THE BOUNDARIES OF STREAM SEGMENT # 1

SEDIMENT INFLOW at the Upstream Boundary:

GRAIN SIZE	LOAD (tons/day)	GRAIN SIZE	LOAD (tons/day)
VERY FINE SAND....	3.37	VERY FINE GRAVEL..	1.79
FINE SAND.....	1.33	FINE GRAVEL.....	5.18
MEDIUM SAND.....	1.74	MEDIUM GRAVEL.....	2.89
COARSE SAND.....	1.81	COARSE GRAVEL.....	1.49
VERY COARSE SAND..	1.81	VERY COARSE GRAVEL	1.51
		TOTAL =	22.90

SEDIMENT OUTFLOW from the Downstream Boundary

GRAIN SIZE	LOAD (tons/day)	GRAIN SIZE	LOAD (tons/day)
VERY FINE SAND....	336.46	VERY FINE GRAVEL..	80.48
FINE SAND.....	282.01	FINE GRAVEL.....	89.66
MEDIUM SAND.....	281.86	MEDIUM GRAVEL.....	36.23
COARSE SAND.....	226.30	COARSE GRAVEL.....	21.97
VERY COARSE SAND..	104.16	VERY COARSE GRAVEL	3.20
		TOTAL =	1462.33

TABLE SB-2: STATUS OF THE BED PROFILE AT TIME = 1.000 DAYS

SECTION NUMBER	BED CHANGE (ft)	WS ELEV (ft)	THALWEG (ft)	Q (cfs)	TRANSPORT RATE (tons/day) SAND
8959.000	-0.07	196.68	193.42	994.	26.
8926.000	-0.07	189.22	185.17	994.	29.
8921.000	-0.05	189.17	185.17	994.	30.
8916.000	-0.05	189.12	185.16	994.	30.
8911.000	-0.05	189.06	185.14	994.	31.
8906.000	-0.05	189.00	185.13	994.	31.
8901.000	-3.46	188.95	181.70	994.	72.
8896.000	-3.46	188.90	181.68	994.	112.
8891.000	-3.46	188.85	181.67	994.	152.
8886.000	-3.46	188.81	181.65	994.	192.
8881.000	-3.46	188.78	181.63	994.	232.
8876.000	-3.46	188.75	181.62	994.	272.
8871.000	-3.46	188.67	181.60	994.	313.
8866.000	0.16	188.22	185.19	994.	310.
8854.000	0.04	187.11	183.04	994.	309.
8849.000	0.48	187.06	183.47	994.	303.
8844.000	-0.03	187.00	182.94	994.	305.
8806.000	-0.09	186.66	182.75	994.	310.
8801.000	-0.15	186.61	182.67	994.	311.
8796.000	0.01	186.57	182.82	994.	311.
8791.000	-3.46	186.52	179.33	994.	351.
8786.000	-0.02	186.48	182.75	994.	352.
8781.000	-0.04	186.45	182.72	994.	352.
8776.000	0.01	186.42	182.74	994.	352.
8771.000	-3.46	186.33	179.27	994.	392.
8766.000	0.21	185.89	182.91	994.	388.
8754.000	0.06	184.77	180.73	994.	387.
8749.000	0.64	184.73	181.29	994.	380.
8744.000	-0.03	184.67	180.60	994.	381.
8706.000	-0.09	184.32	180.42	994.	386.
8701.000	0.09	184.28	180.58	994.	385.
8696.000	0.13	184.23	180.60	994.	383.
8691.000	0.13	184.19	180.58	994.	382.
8686.000	0.12	184.15	180.56	994.	380.
8681.000	0.13	184.11	180.55	994.	379.
8676.000	0.12	184.08	180.53	994.	377.
8671.000	-3.46	184.00	176.93	994.	418.
8666.000	0.22	183.56	180.59	994.	413.
8654.000	0.06	182.44	178.39	994.	412.
8649.000	0.37	182.39	178.69	994.	408.

8644.000	-0.03	182.34	178.27	994.	409.
8606.000	-0.28	181.99	177.90	994.	423.
8601.000	0.10	181.94	178.26	994.	422.
8596.000	0.15	181.89	178.29	994.	420.
8591.000	0.16	181.85	178.28	994.	419.
8586.000	0.16	181.80	178.26	994.	417.
8581.000	0.15	181.77	178.24	994.	415.
8576.000	0.15	181.74	178.23	994.	413.
8571.000	-3.46	181.66	174.60	994.	453.
8566.000	0.16	181.24	178.20	994.	450.
8554.000	0.08	180.51	176.08	994.	449.
8549.000	2.96	180.49	178.94	994.	414.
8544.000	0.02	180.46	175.99	994.	413.
8506.000	0.00	180.32	175.85	994.	413.
8501.000	0.20	180.31	176.03	994.	411.
8496.000	0.19	180.29	176.00	994.	409.
8491.000	0.18	180.28	175.97	994.	407.
8486.000	0.17	180.26	175.95	994.	405.
8481.000	0.18	180.25	175.94	994.	402.
8476.000	0.18	180.24	175.92	994.	400.
8471.000	-3.46	180.22	172.27	994.	441.
8466.000	0.14	179.23	175.84	1197.	551.
8454.000	0.10	178.59	173.77	1197.	549.
8449.000	3.27	178.57	176.93	1197.	511.
8444.000	-0.06	178.55	173.58	1197.	528.
8206.000	-1.06	177.04	171.77	1197.	828.
8201.000	0.30	177.00	173.11	1197.	824.
8196.000	0.28	176.96	173.08	1197.	821.
8191.000	0.36	176.92	173.14	1197.	817.
8186.000	0.35	176.89	173.11	1197.	813.
8181.000	0.34	176.85	173.09	1197.	809.
8176.000	0.26	176.83	172.99	1197.	806.
8171.000	-3.46	176.75	169.25	1197.	846.
8166.000	0.26	176.21	172.95	1197.	841.
8154.000	0.78	175.44	171.44	1197.	825.
8149.000	6.53	175.41	177.17	1197.	750.
8144.000	-0.02	175.37	170.60	1197.	753.
8006.000	-0.30	174.35	169.86	1197.	803.
8001.000	0.29	174.30	170.43	1197.	799.
7996.000	0.28	174.26	170.40	1197.	796.
7991.000	0.27	174.21	170.38	1197.	793.
7986.000	0.26	174.17	170.35	1197.	790.
7981.000	0.26	174.13	170.33	1197.	787.
7976.000	0.25	174.10	170.30	1197.	784.
7971.000	-3.46	174.01	166.58	1197.	824.
7966.000	0.24	173.57	170.26	1197.	819.
7954.000	0.16	172.64	168.15	1197.	816.
7949.000	1.62	172.61	169.59	1197.	797.
7944.000	-0.04	172.58	167.92	1197.	801.
7856.000	-0.07	171.87	167.58	1197.	809.
7851.000	0.26	171.82	167.90	1197.	806.
7846.000	0.25	171.78	167.87	1197.	803.
7841.000	0.24	171.74	167.84	1197.	800.
7836.000	0.24	171.71	167.82	1197.	798.
7831.000	0.23	171.67	167.80	1197.	795.
7826.000	0.23	171.65	167.78	1197.	792.
7821.000	-3.46	171.58	164.08	1197.	833.
7816.000	0.23	171.04	167.75	1197.	828.
7804.000	0.23	170.34	165.71	1197.	823.
7799.000	3.31	170.32	168.77	1197.	785.
7794.000	-0.03	170.29	165.42	1197.	792.
7606.000	-0.31	169.02	164.49	1197.	862.
7601.000	0.26	168.97	165.06	1197.	859.
7596.000	0.25	168.93	165.03	1197.	856.
7591.000	0.25	168.89	165.00	1197.	853.
7586.000	0.24	168.85	164.98	1197.	850.
7581.000	0.24	168.81	164.96	1197.	848.
7576.000	0.23	168.78	164.94	1197.	845.
7571.000	-3.46	168.74	161.23	1197.	885.
7566.000	0.25	168.20	164.92	1197.	880.
7554.000	0.13	167.13	162.77	1197.	878.
7549.000	0.30	167.08	162.92	1197.	874.
7544.000	0.00	167.02	162.61	1197.	874.
7507.000	-0.03	166.69	162.45	1197.	875.
7502.000	0.24	166.64	162.70	1197.	872.
7497.000	0.23	166.60	162.68	1197.	870.
7492.000	0.23	166.56	162.66	1197.	867.

7487.000	0.22	166.52	162.63	1197.	864.
7482.000	0.22	166.49	162.61	1197.	862.
7477.000	0.22	166.47	162.59	1197.	859.
7472.000	-3.46	166.39	158.90	1197.	900.
7467.000	0.22	165.87	162.57	1197.	895.
7454.000	0.47	164.17	159.78	1197.	885.
7449.000	3.95	164.15	163.24	1197.	839.
7444.000	-0.03	164.12	159.24	1197.	846.
7256.000	-0.37	162.85	158.26	1197.	930.
7251.000	0.25	162.80	158.87	1197.	927.
7246.000	0.24	162.76	158.85	1197.	924.
7241.000	0.24	162.72	158.82	1197.	921.
7236.000	0.23	162.69	158.80	1197.	919.
7231.000	0.23	162.65	158.78	1197.	916.
7226.000	0.22	162.63	158.76	1197.	913.
7221.000	-3.46	162.56	155.06	1197.	954.
7216.000	0.26	162.03	158.76	1197.	948.
7204.000	0.31	161.39	156.78	1197.	942.
7199.000	4.80	161.37	161.25	1197.	886.
7194.000	-0.03	161.34	156.40	1197.	895.
6946.000	-0.11	160.02	155.48	1197.	928.
6941.000	0.23	160.00	155.80	1197.	925.
6936.000	0.23	159.97	155.78	1197.	922.
6931.000	0.22	159.95	155.76	1197.	920.
6926.000	0.22	159.92	155.74	1197.	917.
6921.000	0.17	159.90	155.67	1197.	915.
6916.000	0.17	159.89	155.66	1197.	913.
6911.000	-3.46	159.79	152.01	1197.	954.
6906.000	0.27	159.10	155.73	1264.	997.
6894.000	0.35	158.63	153.76	1264.	990.
6889.000	6.01	158.62	159.42	1264.	920.
6884.000	-0.05	158.59	153.33	1264.	944.
6506.000	-0.12	156.43	151.98	1264.	995.
6501.000	0.26	156.39	152.34	1264.	992.
6496.000	0.08	156.34	152.14	1264.	991.
6491.000	0.07	156.30	152.12	1264.	991.
6486.000	0.07	156.26	152.10	1264.	990.
6481.000	0.06	156.22	152.08	1264.	989.
6476.000	0.06	156.20	152.06	1264.	988.
6471.000	-3.46	156.15	148.52	1264.	1029.
6466.000	0.28	155.59	152.24	1264.	1023.
6454.000	0.12	154.55	150.05	1264.	1021.
6449.000	0.23	154.50	150.14	1264.	1018.
6444.000	0.00	154.44	149.90	1264.	1018.
6406.000	-0.04	154.09	149.73	1264.	1020.
6401.000	0.21	154.05	149.96	1264.	1018.
6396.000	0.20	154.00	149.94	1264.	1015.
6391.000	0.24	153.96	149.95	1264.	1012.
6386.000	0.23	153.92	149.92	1264.	1010.
6381.000	0.23	153.88	149.91	1264.	1007.
6376.000	0.22	153.86	149.89	1264.	1005.
6371.000	-3.46	153.81	146.19	1264.	1045.
6366.000	0.27	153.27	149.90	1264.	1039.
6354.000	0.09	152.24	147.69	1264.	1038.
6349.000	0.23	152.20	147.81	1264.	1035.
6344.000	-0.02	152.15	147.54	1264.	1036.
6301.000	-0.01	151.80	147.40	1264.	1037.
6296.000	0.28	151.79	147.68	1264.	1033.
6291.000	0.28	151.78	147.66	1264.	1030.
6286.000	0.25	151.77	147.61	1264.	1027.
6281.000	0.25	151.77	147.59	1264.	1024.
6276.000	0.24	151.76	147.57	1264.	1022.
6271.000	0.24	151.76	147.56	1264.	1019.
6266.000	0.31	151.72	147.60	1264.	1015.
6261.000	0.24	151.02	147.52	1332.	1021.
6249.000	0.08	150.20	145.32	1332.	1020.
6244.000	1.21	150.18	146.44	1332.	1006.
6239.000	-0.01	150.15	145.20	1332.	1007.
6119.000	-0.05	148.92	144.75	1332.	1015.
6114.000	0.26	148.91	145.05	1332.	1012.
6109.000	0.26	148.90	145.03	1332.	1009.
6104.000	0.26	148.89	145.01	1332.	1006.
6099.000	0.25	148.88	144.99	1332.	1003.
6094.000	0.25	148.86	144.96	1332.	1000.
6089.000	0.24	148.86	144.94	1332.	997.
6084.000	0.28	148.81	144.97	1332.	994.
6079.000	0.31	148.42	144.97	1332.	988.

6067.000	0.02	147.68	142.65	1332.	987.
6062.000	1.13	147.66	143.75	1332.	974.
6057.000	-0.02	147.64	142.58	1332.	979.
5901.000	-0.06	146.21	142.01	1332.	991.
5896.000	0.26	146.19	142.31	1332.	988.
5891.000	0.25	146.18	142.29	1332.	985.
5886.000	0.24	146.17	142.26	1332.	982.
5881.000	0.24	146.16	142.24	1332.	979.
5876.000	0.23	146.15	142.21	1332.	977.
5871.000	0.22	146.14	142.19	1332.	974.
5866.000	0.24	146.09	142.19	1332.	972.
5861.000	0.29	145.67	142.22	1332.	966.
5849.000	0.09	144.39	139.99	1332.	964.
5844.000	0.20	144.35	140.08	1332.	962.
5839.000	0.03	144.30	139.90	1332.	961.
5819.000	0.03	143.93	139.83	1332.	960.
5814.000	0.21	143.92	139.99	1332.	957.
5809.000	0.21	143.90	139.97	1332.	955.
5804.000	0.20	143.89	139.95	1332.	953.
5799.000	0.20	143.88	139.93	1332.	950.
5794.000	0.19	143.87	139.91	1332.	948.
5789.000	0.19	143.86	139.89	1332.	946.
5784.000	0.18	143.82	139.86	1332.	944.
5779.000	0.26	143.41	139.93	1332.	938.
5767.000	0.06	142.25	137.69	1332.	937.
5762.000	0.16	142.22	137.77	1332.	935.
5757.000	-0.03	142.19	137.57	1332.	937.
5719.000	-0.03	141.60	137.44	1332.	938.
5714.000	0.17	141.58	137.62	1332.	936.
5709.000	0.16	141.57	137.59	1332.	934.
5704.000	0.16	141.56	137.57	1332.	932.
5699.000	0.16	141.55	137.55	1332.	930.
5694.000	0.15	141.54	137.53	1332.	929.
5689.000	0.15	141.53	137.51	1332.	927.
5684.000	0.14	141.48	137.49	1332.	925.
5679.000	0.25	141.07	137.58	1332.	920.
5667.000	0.04	139.91	135.34	1332.	919.
5662.000	0.12	139.88	135.40	1332.	918.
5657.000	-0.03	139.85	135.23	1332.	920.
5619.000	-0.03	139.26	135.10	1332.	921.
5614.000	0.13	139.25	135.25	1332.	920.
5609.000	0.13	139.24	135.23	1332.	918.
5604.000	0.13	139.22	135.21	1332.	917.
5599.000	0.12	139.21	135.19	1332.	916.
5594.000	0.12	139.20	135.17	1332.	914.
5589.000	0.12	139.20	135.15	1332.	913.
5584.000	0.11	139.15	135.13	1332.	911.
5579.000	0.27	138.74	135.27	1332.	906.
5567.000	0.03	137.70	132.99	1332.	906.
5562.000	0.10	137.65	133.04	1332.	904.
5557.000	-0.04	137.59	132.89	1332.	906.
5519.000	-3.54	137.24	129.26	1332.	1083.
5514.000	0.20	137.19	132.98	1332.	1081.
5509.000	0.19	137.15	132.95	1332.	1079.
5504.000	-0.06	137.10	132.68	1332.	1079.
5499.000	-3.59	137.06	129.14	1332.	1121.
5494.000	0.27	137.03	132.98	1332.	1118.
5489.000	0.07	137.00	132.76	1332.	1117.
5484.000	-3.59	136.96	129.09	1332.	1159.
5479.000	0.28	136.42	132.95	1332.	1154.
5467.000	0.42	135.44	131.05	1332.	1145.
5462.000	0.33	135.41	130.94	1332.	1141.
5457.000	0.02	135.36	130.61	1332.	1140.
5399.000	-1.33	134.84	129.06	1332.	1238.
5394.000	0.15	134.80	130.53	1332.	1236.
5389.000	0.14	134.75	130.51	1332.	1234.
5384.000	0.14	134.71	130.48	1332.	1233.
5379.000	0.13	134.67	130.46	1332.	1231.
5374.000	0.13	134.63	130.44	1332.	1230.
5369.000	0.13	134.61	130.42	1332.	1228.
5364.000	-3.61	134.56	126.66	1332.	1270.
5359.000	0.32	134.00	130.58	1332.	1264.
5347.000	0.10	133.07	128.33	1332.	1262.
5342.000	2.44	133.04	130.65	1332.	1234.
5337.000	0.07	133.00	128.26	1332.	1228.
5270.000	-0.06	132.41	127.90	1332.	1233.
5265.000	0.12	132.37	128.06	1332.	1232.

5260.000	0.11	132.33	128.04	1332.	1231.
5255.000	0.11	132.29	128.02	1332.	1229.
5250.000	0.10	132.25	128.00	1332.	1228.
5245.000	0.10	132.22	127.98	1332.	1227.
5240.000	0.10	132.20	127.97	1332.	1226.
5235.000	-3.64	132.12	124.21	1332.	1268.
5230.000	0.32	131.58	128.15	1332.	1262.
5218.000	0.09	130.69	125.89	1332.	1260.
5213.000	2.61	130.67	128.39	1332.	1230.
5208.000	0.09	130.63	125.85	1332.	1220.
5121.000	-0.09	129.91	125.38	1332.	1229.
5116.000	0.09	129.86	125.54	1332.	1228.
5111.000	0.25	129.82	125.68	1332.	1226.
5106.000	0.25	129.78	125.66	1332.	1223.
5101.000	0.24	129.74	125.64	1332.	1220.
5096.000	0.24	129.70	125.62	1332.	1217.
5091.000	0.23	129.67	125.60	1332.	1214.
5086.000	-3.71	129.63	121.64	1332.	1257.
5081.000	0.31	129.08	125.64	1332.	1251.
5069.000	0.42	127.95	123.72	1332.	1243.
5064.000	0.13	127.90	123.41	1332.	1241.
5059.000	0.29	127.84	123.55	1332.	1233.
5038.000	0.18	127.64	123.37	1332.	1227.
5033.000	0.25	127.59	123.42	1332.	1224.
5028.000	0.24	127.55	123.40	1332.	1221.
5023.000	0.18	127.50	123.32	1332.	1219.
5018.000	0.16	127.46	123.28	1332.	1217.
5013.000	0.17	127.43	123.28	1332.	1215.
5008.000	0.17	127.40	123.26	1332.	1213.
5003.000	-3.74	127.35	119.33	1332.	1257.
4998.000	0.30	126.79	123.35	1332.	1251.
4986.000	0.41	125.66	121.43	1332.	1243.
4981.000	0.14	125.60	121.14	1332.	1241.
4976.000	0.32	125.53	121.31	1332.	1233.
4958.000	0.21	125.37	121.13	1332.	1227.
4953.000	0.26	125.33	121.16	1332.	1224.
4948.000	0.25	125.28	121.14	1332.	1221.
4943.000	0.16	125.24	121.03	1332.	1220.
4938.000	0.15	125.21	121.01	1332.	1218.
4933.000	-0.14	125.17	120.70	1332.	1220.
4928.000	0.25	125.15	121.07	1332.	1217.
4923.000	-3.78	125.07	117.02	1332.	1261.
4918.000	0.29	124.53	121.07	1332.	1255.
4906.000	0.10	123.94	118.86	1332.	1253.
4901.000	7.25	123.92	125.98	1332.	1169.
4896.000	-0.05	123.90	118.67	1332.	1185.
4647.000	-0.32	122.36	117.55	1332.	1279.
4642.000	0.10	122.31	117.96	1332.	1278.
4637.000	0.10	122.27	117.94	1332.	1277.
4632.000	0.09	122.23	117.91	1332.	1276.
4627.000	0.09	122.18	117.89	1332.	1275.
4622.000	0.26	122.15	118.04	1332.	1272.
4617.000	0.25	122.11	118.02	1332.	1269.
4612.000	0.25	122.08	118.00	1332.	1266.
4607.000	0.46	122.04	118.20	1332.	1262.
4604.000	0.12	121.47	117.85	1332.	1257.
4578.000	0.29	118.29	112.03	1332.	1238.
4560.000	0.03	116.05	111.71	1332.	1236.
4440.000	0.65	115.76	111.95	1332.	1184.
4435.000	6.16	116.11	117.44	1332.	1118.
4430.000	-3.66	116.08	107.61	1332.	1161.
4425.000	-0.60	116.05	110.65	1332.	1168.
4420.000	-0.46	116.02	110.78	1332.	1173.
4415.000	-1.82	115.98	109.39	1332.	1389.
4318.000	-0.03	115.37	110.88	1332.	1393.
4313.000	0.37	115.32	111.26	1332.	1388.
4308.000	0.35	115.27	111.23	1332.	1384.
4303.000	0.34	115.23	111.20	1332.	1380.
4298.000	0.34	115.19	111.18	1332.	1376.
4293.000	0.34	115.15	111.16	1332.	1373.
4288.000	0.33	115.13	111.14	1332.	1369.
4283.000	-3.63	115.08	107.16	1332.	1411.
4278.000	0.37	114.53	111.15	1332.	1404.
4266.000	0.18	113.35	108.93	1332.	1400.
4261.000	0.37	113.30	109.10	1332.	1396.
4256.000	0.20	113.23	108.91	1332.	1392.
4246.000	0.16	113.14	108.84	1332.	1389.

4241.000	0.32	113.10	108.99	1332.	1386.
4236.000	0.31	113.05	108.96	1332.	1382.
4231.000	0.32	113.01	108.95	1332.	1378.
4226.000	0.31	112.98	108.92	1332.	1375.
4221.000	0.30	112.94	108.91	1332.	1371.
4216.000	0.30	112.92	108.89	1332.	1368.
4211.000	-3.60	112.84	104.97	1332.	1410.
4206.000	0.35	112.30	108.91	1332.	1403.
4194.000	0.24	111.60	106.76	1332.	1398.
4189.000	5.40	111.57	111.91	1332.	1335.
4184.000	-0.02	111.53	106.47	1332.	1339.
4043.000	-0.09	110.48	105.94	1332.	1355.
4038.000	0.25	110.43	106.27	1332.	1352.
4033.000	0.30	110.39	106.30	1332.	1348.
4028.000	0.28	110.34	106.28	1332.	1345.
4023.000	0.08	110.29	106.06	1332.	1344.
4018.000	0.08	110.26	106.03	1332.	1343.
4013.000	0.26	110.23	106.21	1332.	1340.
4008.000	-3.51	110.14	102.42	1332.	1381.
4003.000	0.33	109.68	106.24	1332.	1374.
3991.000	0.14	108.51	104.02	1332.	1372.
3986.000	0.29	108.45	104.15	1332.	1368.
3981.000	0.12	108.38	103.97	1332.	1366.
3968.000	0.08	108.26	103.89	1332.	1364.
3963.000	0.23	108.22	104.02	1332.	1361.
3958.000	0.22	108.17	103.99	1332.	1359.
3953.000	0.21	108.13	103.97	1332.	1356.
3948.000	0.26	108.09	104.00	1332.	1353.
3943.000	0.26	108.05	103.99	1332.	1350.
3938.000	0.26	108.02	103.97	1332.	1347.
3933.000	-3.47	107.98	100.22	1332.	1388.
3928.000	0.32	107.43	103.99	1332.	1381.
3916.000	0.12	106.30	101.77	1332.	1379.
3911.000	0.27	106.24	101.90	1332.	1376.
3906.000	0.07	106.17	101.69	1332.	1374.
3889.000	0.23	106.02	101.79	1332.	1368.
3884.000	0.07	105.97	101.62	1332.	1367.
3879.000	0.07	105.92	101.60	1332.	1366.
3874.000	0.23	105.88	101.74	1332.	1364.
3869.000	0.22	105.84	101.72	1332.	1361.
3864.000	0.22	105.80	101.70	1332.	1358.
3859.000	0.22	105.78	101.68	1332.	1356.
3854.000	-3.48	105.73	97.97	1332.	1396.
3849.000	0.31	105.18	101.74	1332.	1390.
3837.000	0.37	104.06	99.77	1332.	1383.
3832.000	0.11	104.00	99.49	1332.	1382.
3827.000	0.29	103.94	99.65	1332.	1374.
3808.000	0.20	103.75	99.50	1332.	1368.
3803.000	0.22	103.70	99.51	1332.	1365.
3798.000	0.22	103.66	99.50	1332.	1363.
3793.000	-0.14	103.61	99.11	1332.	1365.
3788.000	0.11	103.57	99.35	1332.	1363.
3783.000	0.05	103.53	99.28	1332.	1363.
3778.000	0.11	103.50	99.32	1332.	1361.
3773.000	-3.49	103.41	95.71	1332.	1402.
3768.000	0.31	102.94	99.48	1332.	1396.
3756.000	0.32	101.53	97.47	1332.	1390.
3751.000	0.11	101.49	97.24	1332.	1388.
3746.000	0.11	101.43	97.22	1332.	1387.
3696.000	0.09	101.41	97.04	1332.	1386.
3691.000	0.23	101.37	97.16	1332.	1383.
3686.000	0.22	101.32	97.15	1332.	1381.
3681.000	-0.07	101.28	96.83	1332.	1382.
3676.000	-0.02	101.24	96.87	1332.	1382.
3671.000	-0.08	101.20	96.79	1332.	1383.
3666.000	-0.20	101.18	96.66	1332.	1385.
3661.000	-3.49	101.13	93.35	1332.	1426.
3656.000	0.30	100.57	97.13	1332.	1420.
3644.000	0.37	99.39	95.17	1332.	1412.
3639.000	0.12	99.33	94.89	1332.	1411.
3634.000	0.43	99.27	95.19	1332.	1402.
3622.000	0.33	99.16	95.05	1332.	1396.
3617.000	0.23	99.12	94.93	1332.	1393.
3612.000	0.23	99.07	94.91	1332.	1391.
3607.000	-0.20	99.03	94.47	1332.	1393.
3602.000	-0.08	98.99	94.57	1332.	1394.
3597.000	0.12	98.95	94.75	1332.	1392.

3592.000	0.12	98.92	94.73	1332.	1391.
3587.000	-3.50	98.88	91.10	1332.	1432.
3582.000	0.29	98.32	94.87	1332.	1426.
3570.000	0.05	97.39	92.59	1332.	1425.
3565.000	0.51	97.36	93.04	1332.	1419.
3560.000	0.02	97.32	92.53	1332.	1418.
3492.000	0.00	96.73	92.28	1332.	1418.
3487.000	0.09	96.69	92.35	1332.	1417.
3482.000	0.08	96.64	92.33	1332.	1416.
3477.000	0.24	96.60	92.47	1332.	1413.
3472.000	0.24	96.56	92.45	1332.	1410.
3467.000	0.23	96.52	92.43	1332.	1407.
3462.000	0.22	96.50	92.40	1332.	1405.
3457.000	-3.52	96.45	88.64	1332.	1446.
3452.000	0.29	95.87	92.44	1332.	1440.
3440.000	0.38	94.74	90.50	1332.	1432.
3435.000	0.12	94.68	90.21	1332.	1431.
3430.000	0.34	94.61	90.42	1332.	1423.
3414.000	0.25	94.47	90.27	1332.	1417.
3409.000	0.08	94.43	90.09	1332.	1416.
3404.000	0.08	94.38	90.07	1332.	1415.
3399.000	0.08	94.34	90.06	1332.	1414.
3394.000	0.08	94.30	90.04	1332.	1413.
3389.000	0.08	94.27	90.02	1332.	1412.
3384.000	0.08	94.24	90.00	1332.	1411.
3379.000	-3.54	94.19	86.37	1332.	1452.
3374.000	0.29	93.62	90.17	1332.	1446.
3362.000	0.04	92.49	87.90	1332.	1445.
3357.000	0.12	92.44	87.96	1332.	1444.
3352.000	0.12	92.40	87.94	1332.	1443.
3347.000	0.09	92.35	87.90	1332.	1442.
3342.000	0.09	92.32	87.87	1332.	1441.
3337.000	0.09	92.28	87.86	1332.	1440.
3332.000	0.39	92.23	88.14	1332.	1434.
3324.000	0.36	92.17	88.09	1332.	1428.
3319.000	0.08	92.13	87.79	1332.	1427.
3314.000	0.08	92.08	87.78	1332.	1426.
3309.000	0.09	92.04	87.76	1332.	1425.
3304.000	0.09	92.01	87.74	1332.	1424.
3299.000	0.40	91.97	88.04	1332.	1420.
3294.000	0.40	91.95	88.02	1332.	1415.
3289.000	-3.55	91.88	84.05	1332.	1456.
3284.000	0.28	91.34	87.86	1332.	1451.
3272.000	0.06	90.66	85.62	1332.	1450.
3267.000	4.47	90.63	90.01	1332.	1398.
3262.000	-0.05	90.60	85.47	1332.	1408.
3083.000	-0.19	89.35	84.73	1332.	1448.
3078.000	0.07	89.31	84.97	1332.	1447.
3073.000	0.07	89.26	84.95	1332.	1447.
3068.000	0.08	89.22	84.94	1332.	1446.
3063.000	0.22	89.19	85.06	1332.	1443.
3058.000	0.21	89.15	85.04	1332.	1441.
3053.000	0.40	89.13	85.21	1332.	1436.
3048.000	-3.60	89.05	81.20	1332.	1478.
3043.000	0.27	88.53	85.05	1332.	1472.
3030.000	0.03	86.72	81.77	1332.	1472.
3025.000	1.61	86.69	83.33	1332.	1453.
3020.000	-0.03	86.66	81.68	1332.	1457.
2900.000	-0.04	85.80	81.26	1332.	1462.

```
$$END

      0   DATA ERRORS DETECTED.

TOTAL NO. OF TIME STEPS READ =          1
TOTAL NO. OF WS PROFILES =              1
ITERATIONS IN EXNER EQ =            24200

COMPUTATIONS COMPLETED
RUN TIME =  0 HOURS,  1 MINUTES & 20.00 SECONDS
```

FOREE & VANN, INC.
9013 NORTH 24TH AVENUE, SUITE 7, PHOENIX, ARIZONA 85021-2851
TELEPHONE (602) 943-6997 FACSIMILE (602) 943-7179

November 20, 1996 Project 6776

Mr. Gary W. LaForge
GeoDimensions, Inc.
4350 East Camelback Road, Suite 240E
Phoenix, Arizona 85018

Re: Las Sendas, Phase II Drainage
NEC, Power Road and McDowell Road
Mesa, Arizona

Mr. LaForge:

The purpose of this letter is to report the results of this firm's investigation at the above referenced site. This investigation defined on-site subsurface soils of an existing drainage ditch (to depths of 0.5 to 1.5 feet) for the purpose of drainage ditch design by the Project Civil Engineer.

This investigation involved the collection and testing of 15 samples in the locations of the existing drainage ditch. The samples were taken from 0.5 to 1.5 feet in depth. After collection, the samples were subjected to gradation and plasticity index testing for the purpose of classification. The results of laboratory testing are shown on the attached sheet entitled *Classification Test Data* and the approximate sample locations are shown on the attached *Site Plan*.

Results from the laboratory testing indicated that all of the samples are Gravely Silty Sands (SM and SP-SM). This classification is in accordance with the Unified Soil Classification System (USCS). For purposes of channel design, this material can be identified as a Sandy Loam and would correspond to a permissible velocity of 2.5 fps.

Included with this letter is a copy of the documentation which was sent to this firm from Maricopa County Flood Control District regarding channels. This information includes maximum allowable side slopes, and maximum velocity for the varying types of channel materials.

If you have any questions, please feel free to contact this office at your convenience.

Respectfully submitted,
FOREE & VANN, INC.

Michael R. Simpson, EIT
Staff Engineer

Jeffry D. Vann, P.E.
Principal Engineer

Registered Professional Engineer (Geotechnical)
CERTIFICATE NO. 15206
JEFFRY D. VANN
Date Signed
ARIZONA, U.S.A.

Attachments (5)
cc: Addressee (6)

POWER ROAD

NORTH POWER ROAD

C.A.P. RIGHT OF WAY

SPOOK HILL FLOODWAY RIGHT OF WAY

NORTH RED MOUNTAIN

EAGLE CREST DRIVE

NORTH RIDGECREST

NORTH MOUNTAIN RIDGE

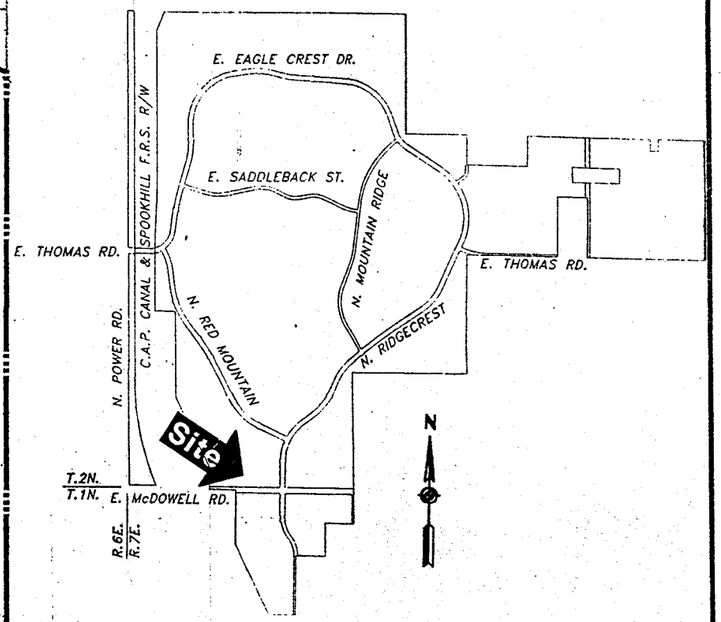
EAST SADDLEBACK ROAD

EAST EAGLE CREST DRIVE

EAST MCDOWELL ROAD

VICINITY MAP

N.T.S.



LEGEND

SUBGRADE SAMPLE

SITE PLAN

SCALE: N.T.S.	APPROVED BY: FOREE & VANN, INC.	DRAWN BY J.L.E.
DATE: 11-14-96		REVISED

LAS SENDAS, PHASE II DRAINAGE
NEC, POWER & MCDOWELL ROADS
MESA, ARIZONA

F & V PROJECT 6776

DRAWING NUMBER

11 X 17 PRINTED ON NO. 1000H CLEARPRINT

SM
medium Sand
coarse

CLASSIFICATION TEST DATA

Las Sendas, Phase II Drainage
NEC, Power Road and McDowell Road
Mesa, Arizona

2 mm

Sample Location	*Sieve Analysis (% Passing Sieve Size)* 3"	1"	1/2"	#4	#10	#40	#100	#200	*Atterberg Limits* LL	PI	USCS
Subgrade A (0.5-1.5')	100	92	85	72	47	22	17	12	NA	NP	SP-SM
Subgrade B (0.5-1.5')	100	94	85	70	42	18	12	9	NA	NP	SP-SM
Subgrade C (0.5-1.5')	100	87	79	66	41	21	15	11	NA	NP	SP-SM
Subgrade D (0.5-1.5')	100	93	86	73	53	30	21	15	NA	NP	SM
Subgrade E (0.5-1.5')	100	94	90	78	59	32	23	17	NA	NP	SM
Subgrade F (0.5-1.5')	100	98	93	82	57	33	24	19	NA	NP	SM
Subgrade G (0.5-1.5')	100	93	87	74	57	33	25	19	NA	NP	SM
Subgrade H (0.5-1.5')	100	94	88	76	59	30	22	15	NA	NP	SM
Subgrade I (0.5-1.5')	100	97	89	77	51	28	20	14	NA	NP	SM
Subgrade J (0.5-1.5')	100	94	89	76	44	22	16	11	NA	NP	SP-SM
Subgrade K (0.5-1.5')	100	96	87	76	53	29	21	15	NA	NP	SM
Subgrade L (0.5-1.5')	100	94	86	76	48	29	23	16	NA	NP	SM
SubgradeM (0.5-1.5')	100	96	90	75	56	31	22	15	NA	NP	SM
Subgrade N (0.5-1.5')	100	90	79	66	49	27	19	13	NA	NP	SM
Subgrade O (0.5-1.5')	100	97	91	77	60	36	27	20	NA	NP	SM

Project 6776
Foree & Vann, Inc. - Phoenix, Arizona

Table 5.1
Maximum Permissible Velocities for Roadside Drainage Channels with Erodible Linings

Soils Type of Lining (Earth, No Vegetation)	Permissible Velocity, fps
Fine Sand (noncolloidal)	2.5
Sandy Loam (noncolloidal)	2.5
Silt Loam (noncolloidal)	3.0
Ordinary Firm Loam	3.5
Fine Gravel	5.0
Stiff Clay (very colloidal)	5.0
Graded, Loam to Cobbles (noncolloidal)	5.0
Graded, Silt to Cobbles (noncolloidal)	5.5
Alluvial Silts (noncolloidal)	3.5
Alluvial Silts (colloidal)	5.0
Coarse Gravel (noncolloidal)	6.0
Cobbles and Shingles	5.5
Shales and Hard Pans	6.0

From: FHWA - HDS 3 & 4, Uniform Soils Classification.

For sinuous channels multiply allowable velocity by:

0.95 for slightly sinuous;
0.9 for moderately sinuous; and
0.8 for highly sinuous

Rounding the channel bottom to approximate a parabolic shape will cause the centerline of the channel to act as a low flow channel. Alternatively, the channel bottom could be graded into a shallow V-shape to lower the centerline.

Because of the potential for long-term channel aggradation, base flows and crop irrigation return flows may require specific consideration. Waterways which are normally dry often have somewhat continuous low flows after urbanization because of lawn irrigation and other outside uses of water, including crop irrigation return flows for developments on the edge of urbanizing areas. Maricopa County is generally typified by low groundwater tables, porous surface materials and limited irrigation, which tend to reduce low flows and short-term problems of aggradation and wet channel bottoms.

Base flows for larger drainage basins can be a significant stability and maintenance problem for earth- or grass-bottomed channels. In this discussion, base flows can be considered as flow rates that are less than the 5- or 10-year storm events. If grass and earth channels are too wide, the low flows will tend to incise a channel within the bottom, giving rise to both higher maintenance requirements and more channel instability when larger storms occur. Because flows of sufficient size to cause a low flow channel to form may not occur for several years, the magnitude of this problem may not be observed for several years.

Table 5.2
Roadside Channels Lined with Uniform Stand of Various Grass Cover and Well Maintained (1)(2)

Cover	Slope Range, %	Permissible Velocity, fps	
		Erosion Resistant Soils	Easily Eroded Soils
Bermuda Grass	0 to 5	6.0	4.5
	5 to 10	5.5	4.0
	Over 10	5.0	3.0
Desert SaltGrass	0 to 5	5.0	4.0
Vine Mesquite	5 to10	4.5	3.0
	Over 10	4.0	2.5
Lehmann Lovegrass Big Galleta Purple Threeawn Sand Dropseed	0 to 5(3)	3.5	2.5
Sudangrass(4) Barley (4)	0 to 5(3)	3.5	2.5

(1) Use velocities over 5 fps only where good covers and proper maintenance can be obtained.
(2) Grass is accepted only if an irrigation system is provided.
(3) Not recommended for use on slopes steeper than 5 percent.
(4) Annuals, used on mild slopes or as temporary protection until permanent covers are established.

When calculations illustrate the need for low flow channels, it is important to provide for notches in hydraulic structures to pass low flows. Without this provision, the low flows will not be confined and local aggradation may lead to failure of hydraulic structures and channels.

5.3.2.5 Safety: Section 4.3.2.7 contains a full discussion of safety, however, with regard to open channels, it may be necessary to provide Category I safety devices—primarily fencing—to preclude wet and dry weather access to drainage facilities that can be hazardous.

Except as subsequently provided, fencing will be required for all new concrete, shotcrete, and soil cement lined channels with side-slopes steeper than 4:1 that meet a Class A hazard as defined in Table 4.4 (page 4-81). Subcritical concrete, shotcrete, and soil cement lined channels having depths and bottom widths less than 3 feet and 5 feet, respectively, will not require fencing. Fencing may be required by individual entities regardless of the conditions listed in this manual.

5.3.2.6 Maintenance: Maintenance considerations are an important factor in open channel design. Grass-lined channels require irrigation and mowing. Earth-lined channels need to be kept clear of vegetation and debris. Concrete-lined

Table 5.3
Boundary Conditions for
Artificial Channel Properties
Simplified Design Procedure
(Q < 2,500 cfs)

Type of Channel Lining (1)	Side Slopes, H:V	Maximum Velocity, fps(2)
Concrete(3)	Vertical (4)	15
Soil Cement	2:1	9 (5)
Grouted Rock	3:1	9 (5)
Riprap	3:1	9 (5)
Gabion Baskets	2:1	9 (5)
Grass (irrigated and maintained)	4:1	2.5 to 8 (6)
Earth	4:1	2.5 to 6.0

(1) The values in this table are for channel sections with the same lining material for bottom and sides. For conditions where the bottoms and sides of the channel are different, the most critical applicable criteria are to be used.

(2) Maximum velocities listed for erodible linings are to be checked in each design to assure that erosion will not occur.

(3) The concrete lining classification also includes mortar or concrete pneumatically applied (shotcrete) (see Section 5.5.2.7, page 5-36).

(4) When using vertical sides, refer to Chapter 6 for design of reinforcement.

(5) Guideline only. Strict limits have not been set because this manual recommends that these channels flow subcritcally (see Critical Flow, page 5-15).

(6) Refer to Table 5.2.

Note: 1. Compute the Freeboard using Equation 5.10 (page 5-19), with minimums of 1 and 2 feet for channels designed for subcritical and supercritical flow, respectively. For curved channel sections, refer to Equation 5.9 (page 5-19).

2. The criteria listed in this table are boundary values. The designer is responsible for determining adequacy of criteria for each specific application. For design of lining materials, analyses of soil conditions and subsurface drainage may be required by the Flood Control District and/or other regulating agencies.

Transition sections, channel junctions or confluences, channel bends, and hydraulic structures (e.g., culverts and bridges) can create major or minor deviations from uniform flow conditions. Therefore, the engineer must consider these deviations (covered elsewhere in this manual) when designing or analyzing drainage channels.

Uniform Flow: For a given channel condition of roughness, discharge, and slope, there is only one possible depth for maintaining a uniform flow. This depth is the normal depth, Y_n. When roughness, depth and slope are known at a channel section, there can only be one discharge for maintaining a uniform flow through the section. This discharge is the normal discharge.

If the channel is uniform and resistance and gravity forces are in exact balance, the water surface will be parallel to the bottom of the channel. This is the condition of