

# Maxey Flats Project (MFP) Semi-annual Report

Reporting Period: January 2007 – June 2007

## Monitoring Results

This section covers tasks performed during this reporting period to comply with the Interim Maintenance Period Work Plan (IMP) that includes the Performance Standard Verification Plan (PSVP) and the Operation and Maintenance Summary Requirement (O&M).

### Surface Water (PSVP 3.1.2)

Surface water sampling for locations 102D, 103E, 106, C107, 122A, 122C, 143, and 144 is performed using automatic sequential samplers that collect a daily composite sample. The sampler located at the East Detention Basin (EDB) collects samples based on a 15 minute rain event with the intensity to produce a total rainfall in excess of 2.8 inches during a twenty-four period. This method has not proven effective in evaluating the precipitation runoff from the restricted area. A comparison method is being explored to allow for an evaluation of precipitation released from the restricted area.

A total of 1,346 surface water samples have been collected and analyzed for tritium during this period with no anomalous data reported. Table 1 contains a summary of the data obtained during this reporting period.

### Alluvial Wells (PSVP 3.1.2.2)

The United States Geological Survey (USGS), Kentucky District staff members completed Alluvial Well sampling in January and April. The two sampling events yielded ten samples. Tritium analysis completed by MFP ranged from 0.06 to 8.11 pCi/ml; these values are compared to the drinking water standard of 20 pCi/ml. Table 2 is a summary of the data obtained during this reporting period.

### Monitoring Wells

USGS staff members completed USGS monitoring well measurements and sampling in January and April. Fifteen monitoring wells are measured quarterly with select wells sampled on a semi-annual basis. Table 3 contains a summary of the data obtained during this reporting period.

### Trench Leachate Management (PSVP 2.3)

Trench sump liquid levels are obtained in accordance with the PSVP, Section 2.3 Sump Measurements and Tech Change III. First quarter annual measurements were obtained in February and second quarter measurements were obtained in April. Table 4 contains the liquid level measurements from both events. The data indicates the levels are remaining constant.

### Subsidence Monitoring (PSVP 2.2)

One area continues to be monitored for subsidence; it is located on liner panels 84 and 72. This area has yet to exceed the allowable limit. There has been no additional subsidence of the trench area during this period. Inspections are performed monthly in accordance with the O&M plan.

## Erosion Monitoring (PSVP 2.1)

Table 5 contains data obtained from surveys performed by USGS staff. The monitoring continues to indicate no significant erosion.

## **Inspections, Maintenance and Repair Activities Relative to the IRP**

### Inspections

Inspections were conducted in accordance with the Operations and Maintenance Requirements Summary (O&M), Appendix B. This includes: (26) Weekly/Daily Inspections, (12) Twice-a-Month Inspections, (6) Monthly Inspections, (2) Quarterly Inspections, (1) Semi-annual Inspection and (1) Annual Inspection.

### Maintenance

This section covers the maintenance of the geo-membrane liner, headwalls, drainage channels, diversion berms, interior anchor trenches, perimeter, and anchor trench, articulating block system, emergency spillway at the northeast corner, east detention basin, southeast cap and general site components.

The main item requiring attention were leaf removal from headwall inlets, weed control within the AB-mats and the washout at Y-channel. The Y-channel washout was related to a geomembrane liner defect that has been repaired and consequently corrected the washout issue.

### Repairs

A total of 35 repairs were made to the geomembrane liner during this reporting period. Twenty-three repairs were of field seams with the remainder being holes or tears. A quality control check was performed on each of the repaired sections.

## **Reporting**

All validated sampling data acquired on site has been forwarded to United States Environmental Protection Agency (USEPA), Project Coordinator for the Steering Committee, United States Department of Energy (USDOE) and the Commonwealth.

## **Conclusion**

There was no anomalous data reported during this period from 1,492 analyzed samples. The data indicates that the Maxey Flats Project is causing a minimal impact of human health and the environment.

**Table 1**  
**Surface Water Data**  
**2007**

<b>Location</b>	<b>Minimum Activity (pCi/ml)</b>	<b>Date</b>	<b>Maximum Activity (pCi/ml)</b>	<b>Date</b>	<b>Average Activity (pCi/ml)</b>	<b>Sampling Period</b>
<b>ISCO 122A</b>	-0.13	1/21/07	0.52	4/9/07	0.03	1/1-6/30/07
<b>ISCO 106</b>	2.42	1/31/07	14.27	3/31/07	5.19	1/1-6/30/07
<b>ISCO 122C</b>	0.64	3/18/07	3.81	5/3/07	1.51	1/1-6/30/07
<b>ISCO 102D</b>	0.33	2/1/07	2.60	5/4/07	1.07	1/1-6/30/07
<b>ISCO 103E</b>	0.18	6/28/07	5.24	3/22/07	0.91	1/1-6/30/07
<b>ISCO EDB</b>	0.00	6/4/07	1.83	6/8/07	0.81	1/1-6/30/07
<b>ISCO 143</b>	-0.15	6/12/07	0.37	1/7/07	0.07	1/1-6/30/07
<b>ISCO 144</b>	4.72	2/13/07	256.7	5/15/07	99.42	1/1-6/30/07
<b>ISCO C107</b>	4.19	1/15/07	34.30	5/5/07	17.21	1/1-6/30/07

**Table 2**  
**Alluvial Well Data**  
**2007**

Well ID	Date	Tritium Activity (pCi/ml)	Specific Conductivity ( $\mu$ mho)	pH	Temperature [C]	Dissolved Oxygen (mg/L)	Turbidity (NTU Units)
AW-1	01/24/07	6.38 +/- 0.19	264	6.65	13.0	0.17	2.1
AW-1	04/12/07	8.11 +/- 0.21	260	6.64	11.6	0.23	0.5
AW-4	04/12/07	0.21 +/- 0.10	212	4.34	10.4	3.22	249
AW-5	01/24/07	0.36 +/- 0.11	552	6.98	10.1	0.33	3.5
AW-7	01/24/07	5.20 +/- 0.18	174	5.99	12.8	0.33	0.0
AW-7	04/12/07	5.35 +/- 0.18	167	5.84	11.6	0.31	0.0
AW-9	04/12/07	0.64 +/- 0.11	442	6.50	10.6	0.36	52.6
AW-13	01/24/07	0.55 +/- 0.12	264	5.85	12.3	0.26	0.0
AW-14	01/24/07	0.06 +/- 0.11	623	6.96	12.1	0.27	0.0
AW-15	04/12/07	0.63 +/- 0.11	871	6.83	10.5	0.26	2.3

Note: Measurements (specific conductivity, pH, temperature, dissolved oxygen, and turbidity) are taken at time of sample collection.

**Table 3**  
**USGS Monitoring Well Data**  
**2007**

Well ID	Top of Casing to Bottom (ft)	Ground Level to Bottom (ft)	Ground Level to Liquid (ft) 1/23/07	Ground Level to Liquid (ft) 4/11/07	Tritium Activity April 2007 (pCi/ml)
ESI-1	24.10	22.13	8.16	5.53	<i>measurement only</i>
ESI-2	17.50	14.67	14.63	14.30	<i>measurement only</i>
ESI-4	26.30	24.48	14.20	14.17	<i>measurement only</i>
ESI-5	24.50	22.87	15.24	15.10	<i>measurement only</i>
ESI-12	41.30	38.92	21.50	21.40	<i>measurement only</i>
ESI-19	21.65	19.52	16.31	15.88	<i>measurement only</i>
ESI-20			104.86	104.76	<i>measurement only</i>
N2B*	12.40	9.75	11.78	11.44	30,684 +/- 11
UE-2*	18.50	15.60	16.87	16.43	350,833 +/- 39
UE-11	20.15	16.70	17.38	17.21	<i>measurement only</i>
UF-1	21.50	18.20	17.40	17.14	<i>measurement only</i>
UF-2*	17.30	13.15	13.13	12.76	182,691 +/- 28
UF-5*	21.30	17.50	6.75	11.29	no sample
UF-10a*			--	30.40	34,314 +/- 12
UF-37	22.80	21.90	15.25	15.70	<i>measurement only</i>
UF-45		18.90	18.09	17.99	<i>measurement only</i>
UK-1*	15.70	12.60	13.33	13.01	139,791 +/- 24

Note: Top of Casing to Bottom measurements taken from O&M Plan, Table 7-1

\* - Sampled by USGS April and October

**Table 4**  
**Trench Sump Leachate Measurements**  
**2007**

SUMP ID	Top of Casing to Bottom (ft)	Elevation Top of Casing (ft)	Elevation to Bottom (ft)	Top of Casing to Liquid (ft)		
				Oct-06	Feb-07	Apr-07
1-2	21.70	1056.17	1034.47	19.50	19.48	19.48
		Elevation at Liquid		1036.67	1036.69	1036.69
		Feet of liquid in sump		2.20	2.22	2.22
2-6	26.30	1057.55	1031.24	20.32	20.28	20.28
		Elevation at Liquid		1037.23	1037.27	1037.27
		Feet of liquid in sump		5.98	6.02	6.02
3-2	24.30	1059.50	1035.18	23.04	22.78	22.69
		Elevation at Liquid		1036.46	1036.72	1036.81
		Feet of liquid in sump		1.26	1.52	1.61
3-4	18.00	1054.41	1036.96	15.93	15.96	16.02
		Elevation at Liquid		1038.48	1038.45	1038.39
		Feet of liquid in sump		2.07	2.04	1.98
7-4	15.80	1052.41	1036.70	10.05	9.64	9.46
		Elevation at Liquid		1042.36	1042.77	1042.95
		Feet of liquid in sump		5.75	6.16	6.34
7-5	22.40	1057.98	1035.40	19.45	19.52	19.55
		Elevation at Liquid		1038.53	1038.46	1038.43
		Feet of liquid in sump		2.95	2.88	2.85
7-7	23.20	1059.12	1036.22	20.39	20.45	20.49
		Elevation at Liquid		1038.73	1038.67	1038.63
		Feet of liquid in sump		2.81	2.75	2.71
10-7	29.20	1060.30	1028.82	27.57	27.49	27.47
		Elevation at Liquid		1032.73	1032.81	1032.83
		Feet of liquid in sump		1.63	1.71	1.73
10-8	29.20	1058.70	1030.48	27.72	27.68	27.71
		Elevation at Liquid		1030.98	1031.02	1030.99
		Feet of liquid in sump		1.48	1.52	1.49
10-9	27.70	1054.90	1027.20	25.08	24.94	24.94
		Elevation at Liquid		1029.82	1029.96	1029.96
		Feet of liquid in sump		2.62	2.76	2.76
11S-5	23.10	1057.10	1033.93	20.96	21.00	21.04
		Elevation at Liquid		1036.14	1036.10	1036.06
		Feet of liquid in sump		2.14	2.10	2.06

**Table 4**  
**Trench Sump Leachate Measurements**  
**2007**

SUMP ID	Top of Casing to Bottom (ft)	Elevation Top of Casing (ft)	Elevation to Bottom (ft)	Top of Casing to Liquid (ft)		
				Oct-06	Feb-07	Apr-07
11S-6	27.10	1063.20	1036.50	24.42	24.42	24.45
			Elevation at Liquid	1038.78	1038.78	1038.75
			Feet of liquid in sump	2.68	2.68	2.65
15-4	27.60	1062.00	1034.42	26.67	26.64	26.64
			Elevation at Liquid	1035.33	1035.36	1035.36
			Feet of liquid in sump	0.93	0.96	0.96
15-5	26.50	1061.20	1034.70	25.12	25.05	25.03
			Elevation at Liquid	1036.08	1036.15	1036.17
			Feet of liquid in sump	1.38	1.45	1.47
15-6	32.50	1059.50	1027.10	28.40	28.35	28.31
			Elevation at Liquid	1031.10	1031.15	1031.19
			Feet of liquid in sump	4.10	4.15	4.19
15-8	23.80	1055.80	1032.25	22.42	22.29	22.41
			Elevation at Liquid	1033.38	1033.51	1033.39
			Feet of liquid in sump	1.38	1.51	1.39
18-6	31.20	1065.50	1034.08	30.32	30.27	30.26
			Elevation at Liquid	1035.18	1035.23	1035.24
			Feet of liquid in sump	0.88	0.93	0.94
18-9	<b>DRY</b>			22.00	22.00	D
19-5	30.50	1063.30	1032.81	28.89	28.89	28.89
			Elevation at Liquid	1034.41	1034.41	1034.41
			Feet of liquid in sump	1.61	1.61	1.61
19-6	25.90	1058.74	1033.30	23.24	23.19	23.19
			Elevation at Liquid	1035.50	1035.55	1035.55
			Feet of liquid in sump	2.66	2.71	2.71
19-7	32.10	1064.30	1032.00	30.03	29.94	29.91
			Elevation at Liquid	1034.27	1034.36	1034.39
			Feet of liquid in sump	2.07	2.16	2.19
20W	29.30	1065.60	1036.17	28.15	28.15	28.13
			Elevation at Liquid	1037.45	1037.45	1037.47
			Feet of liquid in sump	1.15	1.15	1.17

**Table 4**  
**Trench Sump Leachate Measurements**  
**2007**

SUMP ID	Top of Casing to Bottom (ft)	Elevation Top of Casing (ft)	Elevation to Bottom (ft)	Top of Casing to Liquid (ft)		
				Oct-06	Feb-07	Apr-07
20-7	33.00	1063.30	1030.40	29.94	29.93	29.92
		Elevation at Liquid		1033.36	1033.37	1033.38
		Feet of liquid in sump		3.06	3.07	3.08
20-9	30.80	1065.40	1034.37	30.06	30.05	30.02
		Elevation at Liquid		1035.34	1035.35	1035.38
		Feet of liquid in sump		0.74	0.75	0.78
20-11	24.70	1059.08	1034.42	24.13	24.11	24.11
		Elevation at Liquid		1034.95	1034.97	1034.97
		Feet of liquid in sump		0.57	0.59	0.59
23-5	32.50	1063.70	1030.83	30.92	30.88	30.88
		Elevation at Liquid		1032.78	1032.82	1032.82
		Feet of liquid in sump		1.58	1.62	1.62
23-6	32.10	1064.30	1032.25	30.75	30.80	30.80
		Elevation at Liquid		1033.55	1033.50	1033.50
		Feet of liquid in sump		1.35	1.30	1.30
23-9	<b>DRY</b>			<b>D</b>	<b>D</b>	<b>D</b>
24-5	24.80	1058.90	1034.04	23.36	23.31	23.32
		Elevation at Liquid		1035.54	1035.59	1035.58
		Feet of liquid in sump		1.44	1.49	1.48
24-6	26.90	1062.40	1035.40	26.44	26.44	26.49
		Elevation at Liquid		1035.50	1035.96	1035.91
		Feet of liquid in sump		0.46	0.46	0.41
25-5	24.80	1059.80	1036.00	23.35	23.35	23.34
		Elevation at Liquid		1035.00	1036.45	1036.46
		Feet of liquid in sump		1.45	1.45	1.46
25-7	25.70	1060.70	1035.05	24.88	24.84	24.82
		Elevation at Liquid		1035.82	1035.86	1035.88
		Feet of liquid in sump		0.82	0.86	0.88
25-9	23.30	1057.00	1034.00	22.48	22.41	22.51
		Elevation at Liquid		1034.52	1034.59	1034.49
		Feet of liquid in sump		0.82	0.89	0.79



**Table 4**  
**Trench Sump Leachate Measurements**  
**2007**

SUMP ID	Top of Casing to Bottom (ft)	Elevation Top of Casing (ft)	Elevation to Bottom (ft)	Top of Casing to Liquid (ft)		
				Oct-06	Feb-07	Apr-07
26-2	30.10	1059.30	1029.15	27.57	27.52	27.49
			Elevation at Liquid	1031.73	1031.78	1031.81
			Feet of liquid in sump	2.53	2.58	2.61
26-3	28.30	1058.48	1030.17	26.58	26.52	26.49
			Elevation at Liquid	1031.90	1031.96	1031.99
			Feet of liquid in sump	1.72	1.78	1.81
26-4	23.60	1056.40	1033.14	22.08	22.09	22.10
			Elevation at Liquid	1034.32	1034.31	1034.30
			Feet of liquid in sump	1.52	1.51	1.50
27-9	35.70	1062.90	1026.24	22.08	22.09	22.10
			Elevation at Liquid	1034.32	1034.31	1034.30
			Feet of liquid in sump	13.62	13.61	13.60
27-11	<b>DRY</b>			D	D	D
28W	27.50	1064.20	1036.67	26.04	26.04	26.04
			Elevation at Liquid	1038.16	1038.16	1038.16
			Feet of liquid in sump	1.46	1.46	1.46
28-6	<b>DRY</b>			D	D	D
28-11	<b>DRY</b>			D	D	D
28-12	<b>DRY</b>			D	D	D
29W	27.10	1063.50	1036.82	25.42	25.45	25.56
			Elevation at Liquid	1038.08	1038.05	1037.94
			Feet of liquid in sump	1.68	1.65	1.54
29-5	<b>DRY</b>			D	D	D
29-6	<b>DRY</b>			D	D	D
30-4	23.40	1062.30	1038.85	23.30	23.32	23.31
			Elevation at Liquid	1039.00	1038.98	1038.99
			Feet of liquid in sump	0.10	0.08	0.09
30-8	30.00	1067.41	1037.41	29.98	29.92	29.89
			Elevation at Liquid	1037.43	1037.49	1037.52
			Feet of liquid in sump	0.02	0.08	0.11
30-10	<b>DRY</b>			D	D	D

**Table 4**  
**Trench Sump Leachate Measurements**  
**2007**

SUMP ID	Top of Casing to Bottom (ft)	Elevation Top of Casing (ft)	Elevation to Bottom (ft)	Top of Casing to Liquid (ft)		
				Oct-06	Feb-07	Apr-07
31-2	26.30	1065.90	1040.03	25.18	25.18	25.18
			Elevation at Liquid	1040.72	1040.72	1040.72
			Feet of liquid in sump	1.12	1.12	1.12
31-5	<b>DRY</b>			<b>D</b>	<b>D</b>	<b>D</b>
31-7	25.60	1065.30	1040.25	24.71	24.68	24.68
			Elevation at Liquid	1040.59	1040.62	1040.62
			Feet of liquid in sump	0.89	0.92	0.92
31-9	27.40	1066.40	1039.29	25.60	25.58	25.67
			Elevation at Liquid	1040.80	1040.82	1040.73
			Feet of liquid in sump	1.80	1.82	1.73
32-E	29.40	1064.80	1035.54	29.97	28.97	28.94
			Elevation at Liquid	1034.83	1035.83	1035.86
			Feet of liquid in sump	-0.57	0.43	0.46
32-9	29.50	1065.30	1035.71	28.95	28.94	28.94
			Elevation at Liquid	1036.35	1036.36	1036.36
			Feet of liquid in sump	0.55	0.56	0.56
35-2	29.60	1064.08	1034.19	28.00	28.06	28.09
			Elevation at Liquid	1036.08	1036.02	1035.99
			Feet of liquid in sump	1.60	1.54	1.51
35-6	28.50	1063.04	1034.41	27.38	27.34	27.34
			Elevation at Liquid	1035.66	1035.70	1035.70
			Feet of liquid in sump	1.12	1.16	1.16
36-3	22.20	1062.90	1039.97	20.76	20.76	20.77
			Elevation at Liquid	1042.14	1042.14	1042.13
			Feet of liquid in sump	1.44	1.44	1.43
36-6	27.10	1066.60	1039.35	24.00	23.98	23.98
			Elevation at Liquid	1042.60	1042.62	1042.62
			Feet of liquid in sump	3.10	3.12	3.12
36-7	<b>DRY</b>			<b>D</b>	<b>D</b>	<b>D</b>
37-3	24.40	1055.30	1030.92	22.76	22.71	20.77
			Elevation at Liquid	1032.54	1032.59	1034.53
			Feet of liquid in sump	1.64	1.69	3.63

**Table 4**  
**Trench Sump Leachate Measurements**  
**2007**

SUMP ID	Top of Casing to Bottom (ft)	Elevation Top of Casing (ft)	Elevation to Bottom (ft)	Top of Casing to Liquid (ft)		
				Oct-06	Feb-07	Apr-07
37-4	<b>DRY</b>			D	D	D
38-4	22.90	1055.80	1034.05	19.22	21.47	21.49
		Elevation at Liquid		1036.58	1034.33	1034.31
		Feet of liquid in sump		3.68	1.43	1.41
38-5	23.30	1055.60	1032.06	21.18	21.13	21.13
		Elevation at Liquid		1034.42	1034.47	1034.47
		Feet of liquid in sump		2.12	2.17	2.17
39-1	22.30	1053.70	1031.70	<b>cannot measure</b>		
39-4	<b>DRY</b>			D	D	D
40-15	<b>DRY</b>			D	D	D
40-17	30.30	1051.40	1021.08	28.58	28.52	28.52
		Elevation at Liquid		1022.82	1022.88	1022.88
		Feet of liquid in sump		1.72	1.78	1.78
40-19	33.40	1049.40	1022.40	29.76	29.68	29.71
		Elevation at Liquid		1019.64	1019.72	1019.69
		Feet of liquid in sump		3.64	3.72	3.69
40-22	35.40	1056.98	1021.10	31.98	31.93	31.94
		Elevation at Liquid		1025.00	1025.05	1025.04
		Feet of liquid in sump		3.42	3.47	3.46
42-11	32.20	1049.52	1017.72	28.45	28.43	28.46
		Elevation at Liquid		1021.07	1021.09	1021.06
		Feet of liquid in sump		3.75	3.77	3.74
42-19	31.10	1047.25	1016.41	27.88	27.83	27.88
		Elevation at Liquid		1019.37	1019.42	1019.37
		Feet of liquid in sump		3.22	3.27	3.22
42-20	<b>DRY</b>			D	D	D
43-7	37.30	1047.24	1010.00	36.20	36.21	36.23
		Elevation at Liquid		1011.04	1011.03	1011.01
		Feet of liquid in sump		1.10	1.09	1.07

**Table 4**  
**Trench Sump Leachate Measurements**  
**2007**

SUMP ID	Top of Casing to Bottom (ft)	Elevation Top of Casing (ft)	Elevation to Bottom (ft)	Top of Casing to Liquid (ft)		
				Oct-06	Feb-07	Apr-07
43-9	36.70	1045.20	1008.93	34.43	34.44	34.44
			Elevation at Liquid	1010.77	1010.76	1010.76
			Feet of liquid in sump	2.27	2.26	2.26
43-13	32.50	1041.39	1008.50	30.60	30.58	30.58
			Elevation at Liquid	1010.79	1010.81	1010.81
			Feet of liquid in sump	1.90	1.92	1.92
44-5	43.50	1057.35	1013.71	41.30	41.30	40.97
			Elevation at Liquid	1016.05	1016.05	972.74
			Feet of liquid in sump	2.20	2.20	2.53
44-14	34.60	1048.45	1013.83	34.28	34.26	34.26
			Elevation at Liquid	1014.17	1014.19	1014.19
			Feet of liquid in sump	0.32	0.34	0.34
44-20	39.30	1052.28	1013.10	38.40	38.38	38.37
			Elevation at Liquid	1013.88	1013.90	1013.91
			Feet of liquid in sump	0.90	0.92	0.93
44-22	40.90	1055.09	1014.17	40.05	40.08	40.07
			Elevation at Liquid	1015.04	1015.01	1015.02
			Feet of liquid in sump	0.85	0.82	0.83
45-1	35.20	1055.31	1020.33	29.40	29.33	29.34
			Elevation at Liquid	1025.91	1025.98	1025.97
			Feet of liquid in sump	5.80	5.87	5.86
46-1	27.50	1052.10	1026.45	22.91	22.64	22.64
			Elevation at Liquid	1029.19	1029.46	1029.46
			Feet of liquid in sump	4.59	4.86	4.86
46-2	24.80	1053.07	1028.46	20.78	20.93	20.84
			Elevation at Liquid	1032.29	1032.14	1032.23
			Feet of liquid in sump	4.02	3.87	3.96
46-3	37.30	1052.92	1015.27	18.46	18.88	19.44
			Elevation at Liquid	1034.46	1034.04	1033.48
			Feet of liquid in sump	18.84	18.42	17.86

**Table 5**  
**Erosion Monitoring – East Drain**  
**2007**

**East Drain Cross Section #3.5**

Elevation in Feet

Station	Date
	April-07
0	746.75
2	746.75
4	746.47
6	746.13
8	745.90
10	746.00
12	746.26
14	746.32
16	746.67
18	746.85
20	747.40
22	747.08
24	746.97
26	747.21
28	747.03
30	747.44
30.5	747.44

**East Drain Cross Section #5.0**

Elevation in Feet

Station	Date
	April-07
0	767.43
2	767.43
4	767.79
7	765.11
7.5	764.58
8	764.29
10	763.35
12	763.00
14	763.01
16	763.16
18	764.93
20	765.36
22	765.55
24	765.71
26	766.66
28	767.91
29.5	767.97

**East Drain Cross Section #5.5**

Elevation in Feet

Station	Date
	April-07
0	769.19
2	769.19
4	767.43
6	766.08
8	765.37
10	765.47
12	765.46
14	765.04
16	764.89
18	766.88
20	769.13
21	769.32
22.5	769.32

**East Drain Cross Section #6.0**

Elevation in Feet

Station	Date
	April-07
0	780.64
1	780.64
2	780.25
3	779.83
4	777.97
5	775.28
6	774.19
8	773.21
10	773.17
12	773.27
14	773.76
16	776.58
21	782.50

**East Drain Cross Section #6.5**

Elevation in Feet

Station	Date
	April-07
0	781.01
2	781.01
4	780.10
6	779.57
8	778.68
10	778.74
12	778.61
14	777.72
16	779.79
18	781.93
18.5	782.92

**East Drain Cross Section #6.75**

Elevation in Feet

Station	Date
	April-07
0	793.24
1	791.61
2	790.81
4	788.83
6	790.94
8	789.80
10	790.12
12	790.11
14	790.43
16	791.38
17	792.33
18	793.30

**Table 5**  
**Erosion Monitoring – East Drain**  
**2007**

<b>East Drain Cross Section #8.0</b>		<b>East Drain Cross Section #12.0</b>	
Elevation in Feet		Elevation in Feet	
Station	Date	Station	Date
	April-07		April-07
0	925.61	0	984.90
2	925.61	6	984.90
4	925.54	8	985.01
6	933.42	10	984.85
8	922.74	12	984.62
10	922.27	14	984.10
12	923.48	16	983.95
14	923.32	18	981.98
16	923.97	20	981.95
18	925.98	22	983.88
20	926.28	24	984.27
22	925.52	26	983.60
24	926.39	28	983.95
26	926.17	30	983.16
28	926.28	32	984.50
28.7	926.28	34	984.81
		36	985.15
		38	984.52
		40	984.70
		42	985.39
		44	985.88
		45.7	985.88