

Table 1
Schedule of Monitoring Activities
Martin Luther King, Jr. Shoreline Regional Park Wetland Restoration

A. General Schedule for All Monitoring Years

Description	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1. Ecology												
A Vegetation survey							X				X	
B Plant community acreage											X	
C Spartina transplants											X	
D Weed invasion							X				X	
E Loafing island vegetation											X	
F Birds (Audubon)	X	X	X	X	X	X	X					
2. Hydrology and geomorphology												
A Channel cross sections												X
B Sediment pins												X
C Seasonal pond size			X		X		X		X			
D Tidal circulation				X								
E Velocity and turbidity												X
F Channel meander												X
G Air photo											X	

B. Monitoring Activities Completed in Fall 2000 to Fall 2001 Monitoring Period²

Description	2000			2001								
	Oct	Nov ³	Dec	Jan ³	Feb ³	Mar	Apr	May	Jun	Jul	Aug	Sep
1. Ecology												
A Vegetation survey		2				22	26					6
B Plant community acreage												6
C Spartina transplants												6
D Weed invasion		2					26					6
E Loafing island vegetation												6
F Birds (Audubon) ¹	X	X	X	X	X	X	X					
2. Hydrology and geomorphology												
A Channel cross sections				3						12	24	
B Sediment pins											24	
C Seasonal pond size				3	1	22	26			12		
D Tidal circulation				3	1					12	24	
E Velocity, turbidity and water quality											24	
F Channel meander												
G Air photo										24		

Notes:

¹ Henkel report on Audubon data covers Aug 99-Apr 00 results. Aug 00-Apr 01 results expected to be included in the final 2001 monitoring report

² Grey-shaded boxes denote data collected at multiple intervals during period indicated.

³ These data previously reported in Fall 1999 to Fall 2000 report (WWR, 2001a).

Table 2
Sediment Accretion
MLK Jr. Regional Shoreline Wetlands Project
Oakland, California

Location	Sample Date	Time Since Baseline (yr)	Distance from Top of Pin to Ground Surface ¹ (m)	Sediment Deposition, m		Deposition Rate, m/yr		Comments
				Calculated ^{2,3}		From Calculated Deposition ± 0.007		
				Interval	Cumulative	Interval	Cumulative	
A. Sediment Pins Located at Edge of Seasonal Ponds (see locations in Figure 2)								
SP-1	7-Jan-99	0.00	0.810					East Edge of Pond 1
	10-Oct-99	0.76	0.802	0.008	0.008	0.011	0.011	
	2-Nov-00	1.82	0.800	0.002	0.010	0.002	0.005	
	24-Aug-01	2.63	0.798	0.002	0.012	0.002	0.005	
SP-2	7-Jan-99	0.00	0.850					North Edge of Pond 1
	10-Oct-99	0.76	0.859	-0.009	-0.009	-0.013	-0.013	
	2-Nov-00	1.82	0.850	0.009	0.000	0.009	0.000	
	24-Aug-01	2.63	0.854	-0.004	-0.004	-0.005	-0.002	
SP-3		--	--	--	--	--	--	** Pin Missing **
SP-4	7-Jan-99	0.00	0.880					North Edge of Pond 2
	10-Oct-99	0.76	0.920	-0.040	-0.040	-0.053	-0.053	
	2-Nov-00	1.82	0.900	0.020	-0.020	0.019	-0.011	
	24-Aug-01	2.63	0.928	-0.028	-0.048	-0.035	-0.018	
SP-5	7-Jan-99	0.00	0.810					West Edge of Pond 3
	10-Oct-99	0.76	0.802	0.008	0.008	0.011	0.011	
	2-Nov-00	1.82	0.800	0.002	0.010	0.001	0.005	
	24-Aug-01	2.63	0.780	0.020	0.030	0.025	0.011	
SP-6	7-Jan-99	0.00	0.720					North Edge of Pond 3
	10-Oct-99	0.76	0.689	0.031	0.031	0.041	0.041	
	2-Nov-00	1.82	0.690	-0.001	0.030	-0.001	0.016	
	24-Aug-01	2.63	0.686	0.004	0.034	0.005	0.013	
Statistics:								
1. Mean				0.002	0.003	0.001	0.002	
2. Median				0.002	0.008	0.002	0.005	
3. Maximum				0.031	0.034	0.041	0.041	
4. Minimum				-0.040	-0.048	-0.053	-0.053	

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				Calculated ^{2,3}		From Calculated Deposition ± 0.007		
				Interval	Cumulative	Interval	Cumulative	
B. Sediment Pins Located within Tidal Marsh (see locations in Figure 2)								
SP-7	18-Jul-98	0.00	0.860					Low Marsh
	7-Jan-99	0.47	0.850	0.010	0.010	0.021	0.021	
	10-Oct-99	1.23	0.451	0.399	0.409	0.528	0.332	
	2-Nov-00	2.30	0.790	-0.339	0.070	-0.318	0.030	
	24-Aug-01	3.10	0.431	0.359	0.429	0.444	0.138	
SP-8	18-Jul-98	0.00	0.700					High Marsh
	7-Jan-99	0.47	0.730	-0.030	-0.030	-0.063	-0.063	
	10-Oct-99	1.23	0.451	0.279	0.249	0.369	0.202	
	2-Nov-00	2.30	0.440	0.011	0.260	0.010	0.113	
	12-Aug-01	3.07	0.435	0.005	0.265	0.006	0.086	
SP-9	18-Jul-98	0.00	0.780					Low Marsh
	7-Jan-99	0.47	0.780	0.000	0.000	0.000	0.000	
	10-Oct-99	1.23	0.680	0.100	0.100	0.132	0.081	
	2-Nov-00	2.30	n/a	--	--	--	--	
	24-Aug-01	3.10	0.688	--	0.092	--	0.030	
SP-10	18-Jul-98	0.00	0.840					High Marsh
	7-Jan-99	0.47	0.850	-0.010	-0.010	-0.021	-0.021	
	10-Oct-99	1.23	0.811	0.039	0.029	0.052	0.024	
	2-Nov-00	2.30	bent	--	--	--	--	
	24-Aug-01	3.10	0.688	--	0.092	--	0.030	
SP-11	18-Jul-98	0.00	0.910					High Marsh
	7-Jan-99	0.47	0.900	0.010	0.010	0.021	0.021	
	10-Oct-99	1.23	0.899	0.001	0.011	0.001	0.009	
	2-Nov-00	2.30	0.910	-0.011	0.000	-0.010	0.000	
	24-Aug-01	3.10	0.890	0.020	0.020	0.025	0.006	

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Location	Sample Date	Time Since Baseline (yr)	Distance from Top of Pin to Ground Surface ¹ (m)	Sediment Deposition, m		Deposition Rate, m/yr		Comments
				Calculated ^{2,3}		From Calculated Deposition ± 0.007		
				Interval	Cumulative	Interval	Cumulative	
SP-12	18-Jul-98	0.00	0.790					High Marsh
	7-Jan-99	0.47	0.780	0.010	0.010	0.021	0.021	
	10-Oct-99	1.23	0.631	0.149	0.159	0.197	0.129	
	2-Nov-00	2.30	0.640	-0.009	0.150	-0.009	0.065	
	24-Aug-01	3.10	0.609	0.031	0.181	0.038	0.058	
Statistics:								
1. Mean				0.051	0.114	0.072	0.060	
2. Median				0.010	0.081	0.021	0.030	
3. Maximum				0.399	0.429	0.528	0.332	
4. Minimum				-0.339	-0.030	-0.318	-0.063	

Notes:

1. Uncertainty in measurement of sediment pin to ground surface distance is approximately ± 0.005 m (0.5 cm); therefore, any changes less than this value must be considered no change.
2. Calculated sediment deposition that denotes loss of sediment could be attributed to measurement error, not actual sediment loss.
3. Calculated sediment deposition is difference of sequential measurements of distance from top of sediment pins to ground surface.
4. The sediment pins within the tidal marsh exhibit very questionable data and appear to be an invalid monitoring method at this site.

Table 3
Seasonal Ponds Depths and Acreages
MLK Jr. Regional Shoreline Wetlands Project
Oakland, California

Date	Pond 1		Pond 2		Pond 3		Total Poned Area (acres)
	Depth (ft)	Area (acres)	Depth (ft)	Area (acres)	Depth (ft)	Area (acres)	
1998-1999 Monitoring Year¹							
28-Nov-98	0.92	2.63	1.80	2.87	0.46	0.78	6.28
19-Dec-98	1.05	2.71	2.03	3.15	0.59	0.97	6.83
20-Jan-99	1.57	3.00	2.43	3.58	0.66	1.20	7.78
23-Mar-99	3.28	7.11	Gauge Overtopped ²	6.40	1.41	1.42	14.9
17-Apr-99	2.79	6.32	Gauge Overtopped ²	5.61	0.66	1.18	13.1
7-May-99	2.17	5.62	3.15	4.90	0.66	1.06	11.6
24-Jun-99	0.72	2.40	0.85	0.82	n/a	Dry	3.22
16-Jul-99	n/a	Dry	n/a	Dry	n/a	Dry	0
1999-2000 Monitoring Year¹							
9-Feb-00	1.87	4.73	2.43	3.60	0.66	1.13	9.46
6-Jul-00	n/a	2.40	n/a	0.82	n/a	Dry	3.22
2000-2001 Monitoring Year³							
3-Jan-01	0.60	0.56	0.91	0.35	n/a	Dry	0.91
1-Feb-01	1.22	2.87	1.75	1.01	0.75	0.37	4.25
22-Mar-01	2.21	5.28	2.76	4.01	1.72	0.64	9.94
26-Apr-01 ⁴	1.76	4.0	2.29	2.6	1.30	0.4	7.00
12-Jul-01	n/a	Dry	n/a	Dry	n/a	Dry	0

Notes:

1. 1998-1999 and 1999-2000 data provided by previous monitoring efforts.
2. Pond 2 staff gauge is 3.49 ft tall in 1999.
3. All staff gauges replaced between fall and winter 2000.
4. Pond acreages estimated from stage-area curves (Fig. 8).

Table 4
Rainfall Totals, October 1998 to September 2001
MLK Jr. Regional Shoreline Wetlands Project
Data from U.S. Forest Service Oakland South Station, Oakland, California

Date	Daily Rainfall Totals (inches)												Water Year Total (in)
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1998-1999 Water Year Rainfall (Oct 1998 to Sep 1999)													
1	0.00	m	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	0.00	m	0.07	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	
3	0.00	m	0.59	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	
4	0.00	m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	0.00	m	0.57	0.00	0.00	0.00	0.80	0.00	0.00	0.00	0.00	0.00	
6	0.00	m	0.00	0.00	1.73	0.00	0.03	0.00	0.00	0.00	0.08	0.00	
7	0.00	m	0.00	0.00	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8	0.00	m	0.01	0.00	0.29	0.93	0.43	0.00	0.00	0.00	0.00	0.12	
9	0.00	m	0.00	0.00	0.79	0.08	0.00	0.00	0.00	0.00	0.00	0.02	
10	0.00	m	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.01	0.00	
11	0.00	m	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.04	0.00	
12	0.00	m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.32	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.06	0.00	0.76	0.00	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.41	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.04	0.00	0.10	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.16	0.00	0.13	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	1.32	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.99	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.34	1.07	0.04	0.00	0.00	0.00	0.00	0.00	m	
21	0.00	0.14	0.00	0.00	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	
22	m	0.02	0.00	0.20	m	0.12	0.00	0.00	0.00	0.00	0.00	0.07	
23	m	0.88	0.00	0.63	m	0.05	0.00	0.00	0.00	0.00	0.00	0.00	
24	m	0.00	0.00	0.01	0.16	0.64	0.00	0.00	0.00	0.00	0.00	0.00	
25	m	0.00	0.00	0.00	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	
26	m	0.12	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
27	m	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
28	m	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
29	m	0.80	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
30	m	1.10	0.00	0.15		0.22	0.00	0.00	0.00	0.00	0.00	0.00	
31	m		0.02	0.48		0.00		0.00	0.00	0.00			
Total:	0.00	3.57	1.59	5.07	8.26	3.54	1.71	0.00	0.00	0.00	0.13	0.21	24.08

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	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1999-2000 Water Year Rainfall (Oct 1999 to Sep 2000)													
1	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.17	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.02	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.16	0.05	0.00	0.00	0.00	0.00	0.00	0.00	
6	0.00	m	0.03	0.00	0.01	0.01	0.00	0.07	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.01	0.00	0.00	0.33	0.00	0.69	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.58	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.32	0.01	0.01	0.22	m	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.01	0.04	0.41	0.00	m	0.00	0.00	0.00	0.00	m	
11	0.00	0.00	0.00	0.52	1.67	0.00	0.00	0.00	0.00	0.00	0.00	m	
12	0.00	0.00	0.00	0.00	0.27	0.00	0.48	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.08	0.00	3.20	0.00	0.01	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.48	0.00	0.10	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.69	0.29	0.00	0.14	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.21	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
19	0.00	3.37	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.07	0.00	0.02	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.09	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.35	1.12	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	2.55	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	2.26	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.20	0.01	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.25	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.31	0.00	0.30		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
31	0.00		0.00	0.00		0.00		0.00		0.00	0.00		
Total:	0.20	4.10	0.63	7.73	10.24	1.89	0.99	1.34	0.00	0.00	0.00	0.00	27.12

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	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
2000-2001 Water Year Rainfall (Oct 2000 to Sep 2001)													
1	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.07	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.52	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	m	0.06	1.08	0.00	0.13	0.00	0.00	0.00	0.00	0.00	
10	0.09	0.00	m	0.75	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11	0.01	0.00	0.24	0.38	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	m	0.00	0.00	
13	0.00	0.07	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.01	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.09	0.00	0.05	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.47	0.00	0.91	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.22	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.02	0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.48	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.11	0.75	0.51	0.00	0.00	0.00	0.00	0.00	0.21	
25	0.02	0.00	0.01	0.97	0.00	0.04	0.00	0.00	0.18	0.00	0.00	0.00	
26	0.01	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.30	0.40	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
30	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total:	1.67	0.78	1.34	3.54	7.01	1.55	2.25	0.00	0.18	0.00	0.00	0.21	18.53

Notes :

1. m = data missing for those dates.
2. Data source: <http://cdec.water.ca.gov/queryCSV.html>, OSO station, sensor 45

**Table 5
Channel Velocity and Turbidity
MLK Jr. Regional Shoreline Wetlands Project
Oakland, California**

Location	Date	Time	Velocity ¹ (m/s)	Turbidity ² (NTU)	Notes
1998-1999 Previously Reported Data					Sampled ebb tide, near low water
First Order Channels					
Eastern	26-Jan-99	11:33	0.34	28.4	
	26-Jan-99	11:38	0.30	32.6	
Western	26-Jan-99	12:12	0.43	41.5	
	26-Jan-99	12:18	0.38	26.1	
Second Order Channels					
Eastern	26-Jan-99	11:46	0.48	36.6	
	26-Jan-99	11:52	0.52	33.9	
Western	26-Jan-99	11:59	0.60	29.4	
	26-Jan-99	12:06	0.47	40.3	
Third Order Channel	26-Jan-99	12:37	0.56	38.7	
1999-2000 Previously Reported Data					Sampled ebb tide, after high water
Western First Order	27-Sep-00	14:54			Total depth 0.7 m
5 cm depth			0.40		
30 cm depth			0.49		
55 cm depth			0.49		
65 cm depth			0.46		
0 to 0.3 m depth				8	
0 to half depth				8	
0 to bottom depth				8	
Eastern Second Order	27-Sep-00	14:23			Total depth 1.05 m
5 cm depth			0.32		
30 cm depth			0.31		
55 cm depth			0.39		
80 cm depth			0.38		
100 cm depth			0.38		
0 to 0.3 m depth				8	
0 to half depth				7	
0 to bottom depth				8	
Third Order Channel	27-Sep-00	13:20			Total depth 1.24 m
5 cm depth			0.34		
30 cm depth			0.41		
55 cm depth			0.41		
80 cm depth			0.43		
105 cm depth			0.44		
119 cm depth			0.49		
0 to 0.3 m depth				4	
0 to half depth				5	
0 to bottom depth				5	

Table 5
Channel Velocity and Turbidity
MLK Jr. Regional Shoreline Wetlands Project
Oakland, California

Location	Date	Time	Velocity ¹ (m/s)	Turbidity ² (NTU)	Notes
2000-2001 Newly Reported Data					Sampled flood tide, near high water
Eastern First Order 5 cm depth 30 cm depth 60 cm depth 5 cm up from bed Surface depth Mid-depth	24-Aug-01	15:38	0.73 0.76 0.73 n/a	5.5 5.6	Total depth 0.64 m
Western First Order 5 cm depth 30 cm depth 60 cm depth 5 cm up from bed Surface depth Mid-depth	24-Aug-01	15:58	0.73 0.73 n/a 0.73	7.6 4.1	Total depth 0.56 m
Eastern Second Order 5 cm depth 30 cm depth 60 cm depth 5 cm up from bed Surface depth Mid-depth	24-Aug-01	15:30	0.94 0.88 0.85 n/a	2.8 4.1	Total depth 0.76 m
Western Second Order 5 cm depth 30 cm depth 60 cm depth 5 cm up from bed Surface depth Mid-depth	24-Aug-01	16:09	1.10 1.10 1.01 0.94	5.3 4.7	Total depth 1.05 m
Third Order Channel 5 cm depth 30 cm depth 60 cm depth 5 cm up from bed Surface depth Mid-depth	24-Aug-01	16:18	1.37 1.37 1.28 1.07	3.8 3.4	Total depth 1.10 m

Notes:

1. Velocity Sep 2000 and Aug 2001 measured at multiple discrete depths as indicated.
2. Turbidity Sep 2000 and Aug 2001 measured from depth-integrated rather than discrete-depth surface water samples.

Table 6
Channel Water Quality
MLK Jr. Regional Shoreline Wetlands Project
Oakland, California

Location	Date	Time	Temp (C)	pH	Dissolved oxygen (mg/L)	Conductivity (mS/cm)	Redox (mV)	Notes
2000-2001 Data								
First Order Channels								
Eastern	24-Aug-01	15:38	24.4	7.77	4.90	47.5	114.0	Flood tide
Western	24-Aug-01	15:58	25.5	7.75	4.89	47.6	125.2	
Second Order Channels								
Eastern	24-Aug-01	15:30	23.8	7.76	5.12	47.5	118.1	Flood tide
Western	24-Aug-01	16:09	23.1	7.88	5.87	48.0	128.0	
Third Order Channel								
	24-Aug-01	16:18	22.8	7.85	5.96	48.1	122.0	Flood tide

Table 7
Tidal Wetlands Vegetation Transects
Martin Luther King Jr. Regional Shoreline Wetlands Project
Oakland, California

Distance (m)		Species	Percent cover	Height (m)	Comments
Start	End				
Transects V1, V2 and V3, all start from "center stake" located in tidal marsh immediately north of intertidal pond. Transects V4 and V5 cross marsh to the north of other transects. All transect locations shown in Figure 2.					
Transect V1, 2001					Surveyed 6-Sep-01, bearing 250 deg from center stake in line with park bench
0	40	Bare Ground	95		Edge Spreading
		<i>Salicornia virginica</i>	1		
		<i>Salicornia europaea</i>	2		
40	78	<i>Salicornia europaea</i>	50		
		Bare Ground	50		
78	88	Bare Ground	100		
88	94	<i>Salicornia europaea</i>	50		
		Bare Ground	50		
94	96	Channel			
96	159	<i>Salicornia europaea</i>	55		
		Bare Ground	40		
Bare Gound as Percent of Total Transect:			60%		
Transect V1, 2000					Surveyed 2-Nov-00, bearing 250 deg from center stake in line with park bench
0	94	Bare ground/algae	95		Constructed low marsh to channel
		<i>Salicornia virginica</i>	1		
		<i>Salicornia europaea</i>	2		
94	96	Channel			
96	159	Bare ground/algae	95		Minimal algae, constructed high marsh to end Few scattered Mostly on edge
		<i>Salicornia europaea</i>	2		
		<i>Salicornia virginica</i>	2		
		<i>Distichlis spicata</i>	1		
Bare Gound as Percent of Total Transect:			94%		
Transect V2, 2001					Surveyed 6-Sep-01, bearing 70 deg from center stake, in line with PVC in distance
0	46.8	Bare ground	100		
46.8	100	<i>Salicornia europaea</i>	60	0.25	
		<i>Salicornia virginica</i>	5	0.35	
		Bare ground	35		
100	102	Channel			
102	135	<i>Salicornia europaea</i>	70		
		<i>Salicornia virginica</i>	5		
		Bare ground	25		
		<i>Spartina foliosa</i>	1		
135	145.5	<i>Salicornia europaea</i>	5		
		Bare ground	95		
145.5	162	<i>Salicornia europaea</i>	90		
		<i>Spartina foliosa</i>	3	0.2	
		Bare ground	5		
162	177	Bare ground	100		
177	179	<i>Spartina alterniflora</i>	10	0.4	
		<i>Salicornia virginica</i>	65	0.2	
		<i>Spartina foliosa</i>	5		
		Bare ground	20		
Bare Gound as Percent of Total Transect:			56%		

Table 7
Tidal Wetlands Vegetation Transects
Martin Luther King Jr. Regional Shoreline Wetlands Project
Oakland, California

Distance (m)		Species	Percent cover	Height (m)	Comments
Start	End				
Transect V2, 2000					Surveyed 2-Nov-00, bearing 70 deg from center stake, in line with PVC in distance
0	47.7	Bare ground/algae	100		Pockets of water, constructed low marsh to channel
47.7	100	<i>Salicornia europaea</i>	35	0.2	Mostly dead w/ new sprouts
		<i>Salicornia virginica</i>	4	0.3	
		<i>Distichlis spicata</i>	1		
		Bare ground	60		
100	102	Channel			
102	119.6	<i>Salicornia europaea</i>	20		Constructed high marsh to end
		<i>Salicornia virginica</i>	10		
		Bare ground	70		
119.6	145	<i>Salicornia europaea</i>	5		
		Bare ground	95		
145	176	<i>Salicornia europaea</i>	15		
		<i>Spartina foliosa</i>	3	0.2	Approx. 25 plants
		Bare ground	80		
176	179	<i>Spartina alterniflora</i>	35	0.4	Dense strip along edge
		<i>Salicornia virginica</i>	65	0.2	Edge of marsh
Bare Gound as Percent of Total Transect:			78%		
Transect V3, 2001					Surveyed 6-Sep-01, bearing 150 deg from center stake, in line with flag in distance
0	35.6	Bare ground	100		
35.6	40.6	<i>Salicornia europaea</i>	10		
		<i>Salicornia virginica</i>	10		
		Bare ground	80		
40.6	114.6	Bare ground/pond water	100		
114.6	163.6	Bare ground	95		
		<i>Salicornia europaea</i>	5		
163.6	168.6	<i>Triglochin concinna</i>	10		
		<i>Scirpus maritimus</i>	10		
		<i>Distichlis spicata</i>	20		
		<i>Cotula coronopifolia</i>	10		
		<i>Spartina alterniflora</i>	25		
		<i>Typha latifolia</i>	5		
		Bare Ground	20		
Bare Gound as Percent of Total Transect:			52%		
Transect V3, 2000					Surveyed 2-Nov-00, bearing 150 deg from center stake, in line with flag in distance
0	35.6	Bare ground	100		Constructed low marsh to intertidal pond
35.6	40.6	<i>Salicornia europaea</i>	5		Berm forming northern edge of intertidal pond
		<i>Salicornia virginica</i>	5		
		Bare ground	80		
40.6	114.6	Bare ground/pond water	100		Intertidal pond
114.6	163.6	Bare ground/algae	98		Minimal algae, constructed high marsh to end
		<i>Salicornia europaea</i>	2		
163.6	168.6	<i>Triglochin coccina</i>	10		
		<i>Scirpus maritimus</i>	5	0.5	Small patch
		<i>Distichlis spicata</i>	15		

Table 7
Tidal Wetlands Vegetation Transects
Martin Luther King Jr. Regional Shoreline Wetlands Project
Oakland, California

Distance (m)		Species	Percent cover	Height (m)	Comments
Start	End				
168.6	end	<i>Cotula coronopifolia</i> <i>Spartina alterniflora</i> Bare ground	20 20 30		Seasonal wetlands -- see Table 9
Bare Ground as Percent of Total Transect:			53%		
Transect V4, 2001					Surveyed 6-Sep-01, bearing 70 deg from gate at south end of main parking lot
0	3	<i>Bromus</i> spp.	70		Gate to marsh edge
3	6.3	Bare ground	80		
		<i>Salicornia virginica</i>	20		
6.3	33	<i>Salicornia europaea</i>	25		
		Bare ground	70		
		<i>Salicornia virginica</i>	3		
		<i>Spergularia marina</i>	2		
33	40.5	Channel	100		
40.5	61	<i>Salicornia virginica</i>	5		
		<i>Salicornia europaea</i>	65		
		<i>Spartina foliosa</i>	5		
		<i>Spergularia marina</i>	2		
		Bare ground	25		
61	73	Bare ground	100		
73	80	<i>Spartina foliosa</i>	5		
		<i>Salicornia virginica</i>	5		
		<i>Grindelia stricta</i>	5		
		<i>Salicornia europaea</i>	80		
		Bare ground	5		
80	82.7	Bare ground	50		
		<i>Bromus</i> spp.	50		
Bare Ground as Percent of Total Transect:			49%		
Transect V4, 2000					Surveyed 3-Jan-01, bearing 70 deg from gate at south end of main parking lot
0	3	<i>Bromus</i> spp.	70		Gate edge to marsh edge
3	6.3	Bare Ground	100		Marsh edge
					Dead (annual), constructed high marsh to slope break
6.3	15.3	<i>Salicornia europaea</i>	40	0.2	
		Bare Ground	55		
		<i>Distichlis spicata</i>	2	0.2	
		<i>Salicornia virginica</i>	3		
		<i>Spergularia marina</i>	2	0.05	
15.3	33	<i>Salicornia europaea</i>	10	0.2	Constructed low marsh to channel
		<i>Spergularia marina</i>	2		
		Bare Ground	85		Algae throughout
33	40.5	Bare Ground/open water	100		Channel
40.5	49	<i>Salicornia virginica</i>	5	0.2	Constructed high marsh to end
		<i>Salicornia europaea</i>	20	0.2	
		<i>Spartina foliosa</i>	5	0.3	
		<i>Spartina alterniflora</i>	2	1	Most plants were recently pulled from ground by others
		<i>Spergularia marina</i>	2		
		Bare ground	65		Algae throughout
49	56.8	Open water/ bare ground	100		Pockets of water

Table 7
Tidal Wetlands Vegetation Transects
Martin Luther King Jr. Regional Shoreline Wetlands Project
Oakland, California

Distance (m)		Species	Percent cover	Height (m)	Comments
Start	End				
56.8	64.3	<i>Salicornia europaea</i>	20		Algae throughout
		<i>Spartina foliosa</i>	5		
		<i>Salicornia virginica</i>	1		
		Bare ground	75		
64.3	73	<i>Salicornia europaea</i>	5		Water 2-3" no algae
		<i>Salicornia virginica</i>	1		
		Bare ground	95		
73	75	<i>Spartina foliosa</i>	30	1	
		<i>Salicornia virginica</i>	30	0.2	
		<i>Grindelia stricta</i>	5	0.2	
		<i>Jaumea carnosa</i>	5	0.05	
		<i>Spartina alterniflora</i>	20	0.4	
		<i>Salicornia europea</i>	10	0.2	
75	77.8	Bare ground	90		Sprouts Brome? Fence
		<i>Cotula coronopifolia</i>	5	0.02	
		Unknown grass	5	0.05	
77.8	80	<i>Bromus</i> spp.	100		
Bare Gound as Percent of Total Transect:			66%		
Transect V5, 2001					Surveyed 6-Sep-01, from SP-8 (west end) through SP-10 to marsh edge (east end)
0	41	<i>Salicornia europaea</i>	75		
		<i>Salicornia virginica</i>	5		
		<i>Spergularia marina</i>	1		
		Bare ground	20		
41	46.5	Channel			
46.5	83	Bare ground	45		
		<i>Salicornia europaea</i>	55		
83	163	Bare ground	80		
		<i>Salicornia europaea</i>	20		
163	170	<i>Salicornia europaea</i>	65		
		<i>Spartina foliosa</i>	30		
170	183	Channel			
183	227	<i>Salicornia europaea</i>	65		
		<i>Salicornia virginica</i>	5		
		<i>Spartina foliosa</i>	5		
		Bare ground	25		
227	233	<i>Salicornia europaea</i>	45		
		<i>Salicornia virginica</i>	45		
		<i>Spartina foliosa</i>	5		
233	236	Bare ground	100		
236	239	<i>Bromus</i> spp.	60		
Bare Gound as Percent of Total Transect:			43%		
Transect V5, 2000					Surveyed 3-Jan-01, from SP-8 (west end) through SP-10 to marsh edge (east end)
0	21.2	<i>Salicornia europaea</i>	5	0.2	Slightly elevated bench, constructed high and low marsh to channel
		<i>Salicornia virginica</i>	5	0.4	
		<i>Spergularia marina</i>	1	0.05	
		Bare ground	90		
41	46.5	Channel			Algae Channel

Table 7
Tidal Wetlands Vegetation Transects
Martin Luther King Jr. Regional Shoreline Wetlands Project
Oakland, California

Distance (m)		Species	Percent cover	Height (m)	Comments
Start	End				
46.5	83	Bare ground	97		Algae, constructed low marsh to next channel
		<i>Salicornia europaea</i>	3		
83	163	Bare ground	95		2" water Red Pvc Pipe@163
		<i>Salicornia europaea</i>	5		
163	170	<i>Salicornia europaea</i>	10		Algae
		<i>Spartina foliosa</i>	5		
		Bare ground	85		
170	183	Channel			Constructed high marsh to end
183	200	<i>Salicornia europaea</i>	50	0.2	
		<i>Salicornia virginica</i>	4		
		<i>Spartina foliosa</i>	1		
		Bare ground	50		Algae
200	227	<i>Salicornia europaea</i>	10		
		<i>Spartina foliosa</i>	2		
		Bare ground	90		Water 3"
227	233	<i>Salicornia europaea</i>	45	0.2	
		<i>Salicornia virginica</i>	45	0.3	
		<i>Spartina foliosa</i>	5	0.4	
		<i>Distichlis spicata</i>	2		
233	236	Bare ground	100		Litter
236	239	<i>Bromus spp.</i>	60		
		<i>Hirschfeldia incana</i>	30		Mustard 2m south of "keep out" sign
239		Fence			
Bare Gound as Percent of Total Transect:			72%		

Notes:

1. Surveys conducted by Vir McCoy.

Table 8
2001 Tidal Wetland Vegetation Map Data
Martin Luther King Jr. Regional Shoreline Wetlands Project
Oakland, California

Surveyed 6-Sep-01					
Type	Patch	Species	Percent cover	Height (m)	Notes
High	1	<i>Salicornia europaea</i>	65	0.15	Spreading South to first main channel
		<i>Salicornia virginica</i>	5	0.25	
		<i>Spartina foliosa</i>	2	0.35	
		<i>Spergularia marina</i>	1		
		Bare ground	30		
High	2	<i>Salicornia europaea</i>	40	0.15	
		<i>Salicornia virginica</i>	5	0.25	
		<i>Spergularia marina</i>	5	0.2	
		<i>Spartina foliosa</i>	1		
		Bare ground	50		
High	3	<i>Salicornia europaea</i>	10	0.1	
		<i>Salicornia virginica</i>	5	0.15	
		Bare ground	85		
High	4	<i>Salicornia europaea</i>	58	0.2	
		<i>Salicornia virginica</i>	5	0.15	
		<i>Spartina foliosa</i>	2	0.8	
		Bare ground	40		
High	5	<i>Salicornia europaea</i>	60	0.2	
		<i>Salicornia virginica</i>	5	0.3	
		<i>Spartina foliosa</i>	5	0.4	
		<i>Spartina alterniflora</i>	5		
		Bare ground	25		
Low		<i>Salicornia europaea</i>	35		
		<i>Salicornia virginica</i>	5		
		<i>Spartina foliosa</i>	5		
		Bare ground	55		

Notes:

1. Surveys conducted by Vir McCoy.

Table 9
Seasonal Wetland and Pond Vegetation Transects
Martin Luther King Jr. Regional Shoreline Wetlands Project
Oakland, California

Distance (m)		Species	Percent cover	Height (m)	Comments
Start	End				
SURVEY #1, 22-Mar-01					
Pond 1					Depth at staff = 2.21 ft.
T1-1		94 degrees E. from rebar			Total transect distance = 77.2m
0	7.5	<i>Melilotus indica</i>	5	0.4	
		<i>Crypsis vaginiflora</i>	10	0.05	
		<i>Lythrum hyssopifolia</i>	1	0.1	
		<i>Cotula coronopifolia</i>	5	0.2	
		<i>Polypogon monspeliensis</i>	10	0.1	
		<i>Juncus bufonius</i>	10	0.1	
		Unknown #1	10	0.05	Too small to I.D.
		Bare ground	50		
7.5	77.2	Open water			Edge of water to staff gauge
% Bare ground in vegetated section of transect:			50%		
T1-2		244 degrees W. from rebar			Total transect distance = 73m
0	15.9	<i>Crypsis vaginiflora</i>	5		
		<i>Cotula coronopifolia</i>	10		
		<i>Frankenia salina</i>	2		No flower
		Unknown #1	15		
		<i>Melilotus indica</i>	5		
		<i>Spergularia marina</i>	5		Purple
		Bare ground	55		
15.9	73	Open water			
% Bare ground in vegetated section of transect:			55%		
Pond 2					Depth at staff = 2.76ft
T2-1		238 degrees SW from rebar			Total transect distance = 85m
0	7	<i>Melilotus indica</i>	70	0.4	
		<i>Nassella</i> spp.	5	0.2	Small clump, possibly <i>N. cernua</i>
		<i>Polypogon monspeliensis</i>	2	0.1	
		<i>Crypsis vaginiflora</i>	2	0.05	
		<i>Cotula coronopifolia</i>	1	0.02	
		Bare ground	10		
7	13.6	<i>Melilotus indica</i>	5		Small sprouts
		<i>Cotula coronopifolia</i>	50	0.01	
		<i>Nassella</i> spp.	2		
		<i>Spergularia marina</i>	1		
		<i>Cyperus involucratus</i>	2		Dead
		Bare ground	45		
13.6	85	Open water			
% Bare ground in vegetated section of transect:			27%		
T2-2		340 degrees N. from rebar			Total transect distance = 88m
0	12	<i>Bromus hordeaceus</i>	3		
		<i>Lolium multiflorum</i>	2		
		Unknown grass #1	10		
		<i>Genista monspessulana</i>	70		French broom
		<i>Crypsis vaginiflora</i>	5		
		<i>Sonchus</i> spp.	1		Sprout
		<i>Polypogon monspeliensis</i>	5		
		Bare ground	5		
		<i>Hordeum brachyantherum</i>	2		

Table 9
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Martin Luther King Jr. Regional Shoreline Wetlands Project
Oakland, California

Distance (m)		Species	Percent cover	Height (m)	Comments
Start	End				
12	22.6	<i>Cotula coronopifolia</i>	5		No floret
		<i>Melilotus indica</i>	5		
		<i>Lythrum hyssopifolia</i>	15		
		<i>Polypogon monspeliensis</i>	5		
		Unknown grass #1	10		
		<i>Nassella</i> spp.	1		
		<i>Crypsis vaginiflora</i>	10		
		Bare ground	50		
22.6	88	Open Water			
% Bare ground in vegetated section of transect:			26%		
Pond 3					Depth at staff = 1.72ft
T3-1		310 degrees NW from rebar			Total transect distance = 50.9m
0	12.1	<i>Hordeum marinum glaucum</i>	45	0.1	Too small to I.D.
		Unknown grass #1	35	0.2	
		<i>Picris echiodes</i>	1	0.05	
		<i>Plantago lanceolata</i>	1	0.1	
		<i>Melilotus indica</i>	5	0.1	
		<i>Lythrum hyssopifolia</i>	1	0.05	
		Edge Pool Species	10	0.02	
12.1	15	<i>Scirpus robustus</i>	5	3	
		<i>Typha latifolia</i>	10	0.5	
15	50.9	Open Water			
% Bare ground in vegetated section of transect:			0%		
T3-2		94 degrees E from rebar			Total transect distance = 63.6m
0	7.5	<i>Melilotus indica</i>	60		Approx. 3 species
		<i>Hordeum murinum</i>	5		
		<i>Picris echiodes</i>	2		
		<i>Polypogon monspeliensis</i>	10		
		Unknown grass #1	25		
7.5	13	<i>Melilotus indica</i>	10	0.1	
		<i>Scirpus robustus</i>	10	0.2	
		<i>Typha latifolia</i>	10	0.3	
		<i>Salicornia virginica</i>	2	0.1	
		Edge Pool Species	5	0.1	
		<i>Crypsis vaginiflora</i>	2	0.02	
		<i>Lythrum hyssopifolium</i>	2	0.05	
		Bare Ground	50		
		<i>Polypogon monspeliensis</i>	5	0.03	
13	63.6	Open water			
% Bare ground in vegetated section of transect:			21%		
SURVEY #2, 26-Apr-01					
Pond 1					Depth at staff = 1.76ft
T1-1		94 degrees E. from rebar			Total transect distance = 77.2m
0	7	<i>Melilotus indica</i>	10	0.2	
		Bare ground	10		
		<i>Crypsis vaginiflora</i>	25	0.02	
		<i>Anagallis arvensis</i>	5	0.05	
		<i>Cotula coronopifolia</i>	15	0.02	
		<i>Plantago lanceolata</i>	35	0.02	

Table 9
Seasonal Wetland and Pond Vegetation Transects
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Distance (m)		Species	Percent cover	Height (m)	Comments		
Start	End						
7	11	Bare ground	95	0.01			
		<i>Cynodon dactylon</i>	5				
11	77.2	Open water					
% Bare ground in vegetated section of transect:			41%				
T1-2		244 degrees W. from rebar			Total transect distance = 73m		
0	15.9	<i>Atriplex triangularis</i>	2		No flower Purple		
		<i>Plantago lanceolata</i>	20				
		<i>Frankenia salina</i>	5				
		<i>Melilotus indica</i>	10				
		<i>Spergularia marina</i>	10				
		Bare ground	45				
15.9	73	Open water					
% Bare ground in vegetated section of transect:			45%				
Pond 2					Depth at staff = 2.29ft		
T2-1		238 degrees SW from rebar			Total transect distance = 85m		
0	12.3	<i>Melilotus indica</i>	50	0.5			
		<i>Anagalis arvensis</i>	5	0.05			
		<i>Plantago lanceolata</i>	5	0.05			
		<i>Taraxicum officinale</i>	2	0.1			
		<i>Cotula coronopifolia</i>	2	0.05			
		<i>Nassella</i> spp.	3	0.2			
		<i>Cyperus involucrata</i>	3	0.2			
		<i>Genista monspessulana</i>	5	0.1			
		<i>Gnaphalium</i> spp.	1	0.05			
		<i>Lythrum hyssopifolim</i>	1	0.05			
		<i>Cynodon dactylon</i>	3	0.02			
		Bare ground	10				
		<i>Geranium dissectum</i>	1				
12.3	19.5	<i>Cyperus involucrata</i>	1				
		<i>Cynodon dactylon</i>	10				
		Unknown sp.	10				
		Bare Ground	79				
19.5	85	Open water					
% Bare ground in vegetated section of transect:			35%				
T2-2		340 degrees N. from rebar			Total transect distance = 88m		
0	14	<i>Hordeum brachyantherum</i>	5				
		<i>Vulpia myuros</i>	5				
		<i>Hordeum murinum</i>	5				
		<i>Melilotus indica</i>	65				
		<i>Genista monspessulana</i>	15				
		<i>Plantago lanceolata</i>	5				
14	36.5	<i>Genista monspessulana</i>	5				
		<i>Plantago lanceolata</i>	5				
		<i>Cotula coronopifolia</i>	5				
		<i>Lythrum hyssopifolia</i>	20				
		Unknown sp.	20				
		Bare ground	45				
36.5	88	Open water					
% Bare ground in vegetated section of transect:			28%				

Table 9
Seasonal Wetland and Pond Vegetation Transects
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Oakland, California

Distance (m)		Species	Percent cover	Height (m)	Comments
Start	End				
Pond 3					Depth at staff = 1.30ft
T3-1		310 degrees NW from rebar			Total transect distance = 50.9m
0	11	<i>Hordeum marinum glaucum</i>	25	0.1	
		<i>Hordeum brachyantherum</i>	25	0.5	
		<i>Lolium perenne</i>	25	0.3	
		<i>Melilotus indica</i>	15	0.3	
		<i>Bromus hordeaceus</i>	5	0.2	
		<i>Genista monspessulana</i>	5		
11	19	<i>Melilotus indica</i>	5		
		Unknown grass	10		
		<i>Scirpus robustus</i>	15	0.2	
		<i>Typha latifolia</i>	10	0.2	
		<i>Hordeum marinum glaucum</i>	5		
		<i>Cotula coronopifolia</i>	10		
		Bare ground	35		
19	50.9	Open water			
% Bare ground in vegetated section of transect:			15%		
T3-2		94 degrees E from rebar			Total transect distance = 63.6m
0	7.4	<i>Vulpia myuros</i>	20		
		<i>Hordeum brachyantherum</i>	20		
		<i>Picris echiodes</i>	5		
		<i>Lupinus spp.</i>	5		
		<i>Genista monspessulana</i>	5		
		<i>Lolium perenne</i>	15		
		<i>Bromus hordeaceus</i>	5		
		<i>Geranium dissectum</i>	20	0.1	
7.4	TBV*	<i>Melilotus indica</i>	10		
		<i>Plantago lanceolata</i>	10		
		<i>Scirpus robustus</i>	10		
		<i>Cotula coronopifolia</i>	10		
		Unknown grass	5		
		<i>Salicornia virginica</i>	5		
		Bare Ground	50		
TBV*	63.6	Open water			
% Bare ground in vegetated section of transect:			TBV*		

Notes:

1. Surveys by Vir McCoy.
- * To be verified.