

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

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Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

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Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

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Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

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Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

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May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

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Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

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Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

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Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

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Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

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Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS.SD
LOX10	20050502	0							
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6
LOX3	20050502	0							
LOX3	20050613	0.8	27.5	5.6	81.9	7.04			
LOX4	20050502	0.06	25.4	2.08	562	6.65			
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3
LOX5	20050502	0							
LOX5	20050613	0.9	27.9	3.25	118	6.32			
LOX6	20050503	0.09	25	2.54	321.6	7.12			
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12
LOX9	20050502	0							
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	Depth	TEMP	D.O.	SP COND	PH	TURB	COLOR	T.SUS	SD
LOX10	20050502	0								
LOX10	20050613	0.12	27.4	3.28	192	6.65	1.2	102	6	
LOX11	20050503	0.13	25.3	0.9	157	6.21	27.2	61	204	
LOX11	20050614	0.2	28.2	2.15	119	6.3	9.7	58	51	
LOX12	20050503	0.3	26	3.4	211.3	7.2	1	59	-3	
LOX12	20050614	0.38	28.8	3.2	156	7.05	0.6	61	-3	
LOX13	20050503	0.16	25.8	2.65	127.1	6.41	1.3	67	11	
LOX13	20050614	0.2	28.7	3.61	82.5	6.31	0.9	56	4	
LOX14	20050503	0.18	25.5	3.1	205	6.69	1.4	88	19	
LOX14	20050614	0.25	28.2	1.67	275	6.66	2.4	83	8	
LOX15	20050503	0.3	26.5	4.35	320.3	7.11	0.6	55	-3	
LOX15	20050614	0.33	28.6	3.86	351	7.14	1.1	55	-3	
LOX16	20050503	0.31	25.2	0.84	175.2	6.62	0.7	90	-3	
LOX16	20050614	0.26	27.8	1.71	162	6.57	0.9	78	6	
LOX3	20050502	0								
LOX3	20050613	0.8	27.5	5.6	81.9	7.04				
LOX4	20050502	0.06	25.4	2.08	562	6.65				
LOX4	20050613	0.16	27.4	4.61	305	6.77	1	181	-3	
LOX5	20050502	0								
LOX5	20050613	0.9	27.9	3.25	118	6.32				
LOX6	20050503	0.09	25	2.54	321.6	7.12				
LOX6	20050614	0.16	27.2	1.91	329	7.03	1.1	108	9	
LOX7	20050502	0.08	26.1	2.52	205.7	6.28	43.8	85	148	
LOX7	20050613	0.18	28.4	3.22	140	6.25	2	91	19	
LOX8	20050502	0.18	25.7	4.6	173.6	5.73	3.8	37	23	
LOX8	20050613	0.16	27.8	3.33	93.5	6.21	1.5	80	12	
LOX9	20050502	0								
LOX9	20050613	0.11	28	3.52	114	6.52	5.5	78	25	

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NOX	NO2	NH4	TKN	TDKN	OPO4	TPO4	TDPO4	SIO2
LOX10	20050502									
LOX10	20050613	0.012	0.005	0.013	1.16	0.91	0.007	0.027	0.006	5.61
LOX11	20050503	0.012	-0.004	-0.009	6.74	1.58	0.006	0.069	0.007	2.36
LOX11	20050614	-0.006	-0.004	-0.009	3.41	1.29	-0.004	0.037		4.23
LOX12	20050503	0.013	-0.004	-0.009	1.26	1.1	-0.004	0.009	0.005	1.45
LOX12	20050614	-0.006	-0.004	-0.009	0.96	0.91	-0.004	0.007		1.99
LOX13	20050503	0.022	-0.004	-0.009	2.03	1.47	-0.004	0.015	0.007	1.27
LOX13	20050614	-0.006	-0.004	-0.009	1.34	0.99	-0.004	0.011		2.59
LOX14	20050503	0.009	-0.004	-0.009	2.01	1.03	-0.004	0.018	0.004	1.46
LOX14	20050614	-0.006	-0.004	-0.009	1.37	0.97	-0.004	0.014		6.12
LOX15	20050503	0.01	-0.004	-0.009	1.28	1.23	-0.004	0.009	0.005	1.86
LOX15	20050614	0.006	-0.004	-0.009	1.27	1.21	-0.004	0.007		4.11
LOX16	20050503	0.007	-0.004	-0.009	1.21	1	-0.004	0.012	0.006	1.51
LOX16	20050614	-0.006	-0.004	-0.009	3.22	0.89	-0.004	0.038		3.22
LOX3	20050502									
LOX3	20050613							0.023		
LOX4	20050502							0.043		
LOX4	20050613	0.01	0.007	-0.009	1.46	1.3	0.007	0.016	0.011	6.95
LOX5	20050502									
LOX5	20050613							0.026		
LOX6	20050503							0.049		
LOX6	20050614	0.006	0.004	-0.009	1.64	1.31	0.004	0.014		6.82
LOX7	20050502	-0.006	-0.004	0.01	8.66	2.14	0.023	0.108	0.028	6.79
LOX7	20050613	0.007	0.005	-0.009	2.25	1.28	0.006	0.022	0.009	4.78
LOX8	20050502	-0.006	-0.004	0.012	4.98	1.93	0.006	0.046		3.81
LOX8	20050613	0.006	0.004	-0.009	1.59	1.11	-0.004	0.018	0.008	1.71
LOX9	20050502									
LOX9	20050613	0.01	0.004	-0.009	2.21	1.3	0.004	0.027	0.009	1.56

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	NA	K	CA	MG	CL	SO4
LOX10	20050502						
LOX10	20050613	19.5	2.6	13.7	4.6	29	2.4
LOX11	20050503	16.5	0.4	8.8	2	30.7	0.3
LOX11	20050614	14.3	0.5	6.6	1.8	27	0.3
LOX12	20050503	21.4	1.2	13.8	4.8	33.3	0.7
LOX12	20050614	15	1.4	11.1	3.8	22.2	1.3
LOX13	20050503	14.5	0.3	8.1	1.8	26.1	0.1
LOX13	20050614	9.9	0.4	5.1	1.2	18.2	0.3
LOX14	20050503	20.8	0.9	14.7	3.7	35.3	1.2
LOX14	20050614	26.8	2.2	19.7	5.1	43.8	5.9
LOX15	20050503	29.8	2	21.9	7.2	44.1	5.3
LOX15	20050614	33.5	2.7	24.7	8.3	48.9	9
LOX16	20050503	18.3	0.5	11.8	3.1	31.7	0.5
LOX16	20050614	16.9	0.7	11.7	3.1	27.8	1.1
LOX3	20050502						
LOX3	20050613					14.5	-0.1
LOX4	20050502					92.7	1.4
LOX4	20050613	29.4	3.2	23.4	6.3	46.9	2.3
LOX5	20050502						
LOX5	20050613					25.1	0.1
LOX6	20050503					55.1	1.5
LOX6	20050614	33.6	2.8	26	6.3	51.2	4.1
LOX7	20050502	25.2	1.2	11	3.1	42.2	0.7
LOX7	20050613	16.1	1.6	8.4	2.3	29.9	0.8
LOX8	20050502	23.9	0.9	6.2	2.9	41	0.2
LOX8	20050613	11.2	1.1	4.3	1.6	20.5	0.2
LOX9	20050502						
LOX9	20050613	12.7	1.4	7.1	2.4	21.1	0.1

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Station	Date	HARDNESS	TOTAL FE	ALKALNYA	NO3	TDORGC	T.DS.SOL	TOTDEP TH	TOTORC C
LOX10	20050502							0.5	
LOX10	20050613	53	46	49	0.007	18	133	0.24	19
LOX11	20050503	30.2		13		23	109	0.27	25
LOX11	20050614	23.6	203	9		21	110	0.41	21
LOX12	20050503	54.1		49		16	146	0.61	18
LOX12	20050614	43.4	14	41		14	41	0.77	15
LOX13	20050503	27.5		12		23	144	0.32	24
LOX13	20050614	17.8	76	8		16	99	0.41	16
LOX14	20050503	52.1		41		19	145	0.37	20
LOX14	20050614	70.2	81	59		19	94	0.51	19
LOX15	20050503	84.5		78		19	218	0.61	20
LOX15	20050614	96	3	88		20	242	0.66	20
LOX16	20050503	42.1		31		18	126	0.63	19
LOX16	20050614	42	124	34		17	-22	0.53	17
LOX3	20050502								
LOX3	20050613							0.17	
LOX4	20050502							0.13	
LOX4	20050613	84.3	53	80	-0.004	27	124	0.32	27
LOX5	20050502								
LOX5	20050613							0.18	
LOX6	20050503							0.18	
LOX6	20050614	90.9	172	82	-0.004	22	230	0.32	22
LOX7	20050502	40.4		29		35	163	0.19	31
LOX7	20050613	30.4	237	20	-0.004	20	127	0.36	20
LOX8	20050502	27.3		5		32	163	0.36	31
LOX8	20050613	17.4	65	8	-0.004	18	83	0.32	18
LOX9	20050502							0.09	
LOX9	20050613	27.6	131	23	0.006	18	91	0.22	19

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

Total P (mg/L)	Station														Interim-	
YearMonth	LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	Level
200505		0.069	0.009	0.015	0.018	0.009	0.012		0.043		0.049	0.108	0.046		0.027	17.7
200506	0.027	0.037	0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014	0.022	0.018	0.027	0.018	13.9

Percentiles by site over period January 1994 through April 2005

		LOX10	LOX11	LOX12	LOX13	LOX14	LOX15	LOX16	LOX3	LOX4	LOX5	LOX6	LOX7	LOX8	LOX9	GeoMean	
N	136	87	118	132	115	127	130	124	72	87	83	119	119	123	92	136	
% of months sampled		64.0%	86.8%	97.1%	84.6%	93.4%	95.6%	91.2%	52.9%	64.0%	61.0%	87.5%	87.5%	90.4%	67.6%		
Average		0.010	0.009	0.008	0.009	0.008	0.007	0.009	0.012	0.011	0.010	0.008	0.009	0.009	0.009	0.009	
Std Deviation		0.005	0.004	0.005	0.005	0.003	0.004	0.007	0.008	0.007	0.009	0.005	0.003	0.004	0.005	0.004	
M+3SD		0.026	0.022	0.025	0.024	0.018	0.019	0.031	0.036	0.033	0.037	0.022	0.019	0.021	0.023	0.021	
Percentile	5%	0.005	0.005	0.004	0.004	0.004	0.002	0.005	0.004	0.005	0.002	0.002	0.004	0.002	0.003	0.005	
	10%	0.005	0.006	0.005	0.005	0.005	0.004	0.005	0.006	0.006	0.005	0.004	0.005	0.005	0.005	0.006	
	25%	0.007	0.007	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.007	0.006	0.007	0.006	0.007	0.007	
	50%	0.009	0.009	0.007	0.009	0.007	0.007	0.008	0.010	0.010	0.009	0.007	0.008	0.008	0.008	0.008	
	75%	0.012	0.011	0.009	0.011	0.010	0.009	0.010	0.013	0.012	0.012	0.009	0.010	0.011	0.010	0.010	
	90%	0.015	0.014	0.013	0.016	0.012	0.010	0.012	0.018	0.015	0.014	0.011	0.013	0.014	0.012	0.013	
	95%	0.018	0.018	0.018	0.017	0.014	0.012	0.017	0.025	0.021	0.019	0.014	0.016	0.016	0.019	0.014	
	98%	0.021	0.020	0.021	0.021	0.017	0.020	0.020	0.039	0.032	0.025	0.019	0.019	0.020	0.021	0.019	
	100%	0.043	0.026	0.047	0.035	0.020	0.034	0.078	0.050	0.054	0.080	0.044	0.020	0.026	0.034	0.040	
Percentile of observed																	
	200505	#N/A	100.0%	67.9%	89.4%	98.4%	72.8%	86.9%	#N/A	98.6%	#N/A	100.0%	100.0%	100.0%	#N/A	99.4%	
	200506	99.0%	100.0%	35.8%	72.8%	93.6%	44.9%	99.3%	94.0%	90.9%	98.2%	94.9%	100.0%	96.9%	99.1%	97.5%	
Values excluding 100%																	
	200505			0.009	0.015	0.018	0.009	0.012		0.043						0.0150	17.7
	200506	0.027		0.007	0.011	0.014	0.007	0.038	0.023	0.016	0.026	0.014		0.018	0.027	0.0168	13.9
Values replace exceeding 98% by 90%																	
	136		0.014	0.009	0.015	0.012	0.009	0.012		0.015		0.011	0.013	0.014		0.0122	17.7
	0	0.015	0.014	0.007	0.011	0.014	0.007	0.012	0.023	0.016	0.014	0.014	0.013	0.018	0.012	0.0130	13.9

3. May and June 2005 EVPA data & percentiles at LOXnn sites

water_quality_data_CrossTab.xls

May & June 2005 observations sorted by TSS

Station	Date	Depth	TURB	T.SUS.SD
LOX12	20050503	0.3	1	-3
LOX12	20050614	0.38	0.6	-3
LOX15	20050503	0.3	0.6	-3
LOX15	20050614	0.33	1.1	-3
LOX16	20050503	0.31	0.7	-3
LOX4	20050613	0.16	1	-3
LOX13	20050614	0.2	0.9	4
LOX10	20050613	0.12	1.2	6
LOX16	20050614	0.26	0.9	6
LOX14	20050614	0.25	2.4	8
LOX6	20050614	0.16	1.1	9
LOX13	20050503	0.16	1.3	11
LOX8	20050613	0.16	1.5	12
LOX14	20050503	0.18	1.4	19
LOX7	20050613	0.18	2	19
LOX8	20050502	0.18	3.8	23
LOX9	20050613	0.11	5.5	25
LOX11	20050614	0.2	9.7	51
LOX7	20050502	0.08	43.8	148
LOX11	20050503	0.13	27.2	204