

Appendix 3A-2: Water Year 2008–2012 Water Quality Monitoring Results at Individual Stations

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Table 1 within this appendix provides statistical summaries and excursion criteria (where applicable) for alkalinity, pH, specific conductivity, dissolved oxygen, total iron, turbidity, un-ionized ammonia and sulfate for each area, class, and monitoring station for the past five water years (WY2008–WY2012) (May 1, 2007–April 30, 2012) within the Everglades Protection Area (EPA) and Everglades National Park (ENP). The EPA includes Arthur R. Marshall Loxahatchee National Wildlife Refuge [Refuge, also known as Water Conservation Area 1 (WCA-1)], Water Conservation Areas 2 and 3 (WCA-2 and WCA-3, respectively).

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Table 1. Summary of Water Years 2008–2012 (May 1, 2007–April 30, 2012) water quality monitoring data and excursions from applicable criteria at individual monitoring stations in the Everglades Protection Area. Excursion categories of concern, potential concern, minimal concern, and no concern are denoted by “C,” “PC,” “MC,” and “NC,” respectively. For sulfate, the excursion category is given as “NA” because no numeric criterion applies.

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance \pm 90%CI	Excursion Category
Dissolved Oxygen, Field	mg/L	ENP	Inflow	S12A	4.29	1.56	3.20	3.99	5.23	1.28	13.80	246	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Inflow	S12B	4.42	2.81	3.18	4.16	5.03	2.03	27.30	85	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Inflow	S12C	4.09	2.68	2.73	3.78	4.78	1.56	27.40	110	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Inflow	S12D	4.19	1.52	3.09	4.07	5.03	1.39	14.00	165	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Inflow	S176	4.69	2.15	3.14	4.54	6.86	1.22	7.64	20	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Inflow	S18C	6.04	2.26	4.15	5.97	7.94	1.51	12.20	261	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Inflow	S332D	4.48	1.90	3.03	4.24	6.43	0.91	7.41	22	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Inflow	S333	4.16	1.58	3.12	4.05	4.98	1.06	15.30	261	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Inflow	S355A	6.68	1.63	5.43	6.52	7.78	3.65	14.30	59	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Inflow	S355B	5.89	1.88	4.70	5.68	7.14	2.16	12.10	58	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Inflow	US41-25	3.24	1.57	2.44	2.87	3.88	0.77	8.57	86	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Interior	EP	7.60	1.40	6.73	7.43	8.50	5.05	10.90	44	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Interior	NE1	3.28	1.57	2.02	3.21	4.27	0.66	8.25	51	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Interior	NP201	5.46	1.41	4.52	5.37	6.26	2.02	8.73	46	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Interior	P33	4.22	1.44	3.26	4.23	4.98	1.71	7.83	53	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Interior	P34	6.02	1.48	4.77	6.15	7.12	3.00	9.01	42	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Interior	P35	4.05	1.30	3.18	3.57	5.10	2.03	6.80	36	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Interior	P36	4.04	1.11	3.24	4.05	4.77	2.08	7.02	49	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Interior	P37	7.06	1.77	6.26	7.38	8.25	2.54	10.40	36	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Interior	S12C10	2.30	1.43	0.86	2.44	3.00	0.36	4.81	13	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Interior	S12C2	5.05	1.19	4.10	4.78	6.14	3.48	6.71	5	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Interior	S12C6	5.38	2.08	3.90	4.83	7.15	3.29	8.82	9	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Interior	T24	5.49	1.58	3.98	5.48	7.01	3.86	7.65	6	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Interior	T33	3.79	0.93	2.90	4.01	4.55	2.18	4.63	11	N/A	N/A
Dissolved Oxygen, Field	mg/L	ENP	Interior	TSB	4.83	2.59	2.33	4.18	7.18	1.66	9.83	35	N/A	N/A

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance ± 90%CI	Excursion Category
Dissolved Oxygen, Field	mg/L	Refuge	Inflow	ACME1DS	6.06	1.44	5.45	6.05	6.83	3.02	8.36	12	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Inflow	ENR012	2.30	1.65	1.00	2.05	3.24	0.16	10.80	261	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Inflow	G300	5.40	2.30	3.63	5.24	6.95	0.84	13.00	262	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Inflow	G301	5.34	2.46	3.36	5.42	6.79	0.68	13.50	262	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Inflow	G310	4.76	1.77	3.45	4.75	6.02	0.38	11.50	261	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Inflow	G94D	4.12	2.21	2.63	3.66	5.40	1.02	9.00	13	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Inflow	S362	6.02	1.83	4.64	6.18	7.26	1.14	12.00	262	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOX10	4.59	2.08	3.06	3.90	6.45	1.20	10.60	42	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOX11	3.90	2.09	2.16	3.82	5.31	0.43	9.14	55	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOX12	4.43	1.94	2.63	4.46	6.02	1.29	9.22	56	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOX13	4.62	1.90	3.21	4.36	6.10	1.07	8.75	50	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOX14	4.06	1.77	2.56	4.08	5.34	0.59	8.59	55	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOX15	4.45	2.05	2.71	4.57	5.98	0.62	9.80	55	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOX16	2.69	1.58	1.35	2.47	3.77	0.33	6.56	54	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOX3	4.38	1.96	2.75	3.68	5.93	1.77	9.18	35	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOX4	4.17	2.01	2.55	4.19	5.42	1.02	9.12	47	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOX5	4.60	1.75	3.39	4.15	6.05	2.17	8.84	36	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOX6	3.69	1.69	2.25	3.26	4.94	1.07	8.43	50	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOX7	4.76	2.08	2.85	4.75	6.25	1.47	10.70	54	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOX8	4.32	2.21	2.45	3.90	5.91	0.49	10.60	55	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOX9	4.36	2.04	3.13	4.16	5.57	0.64	8.88	43	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOXA101	4.64	1.68	0.00	4.64	0.00	3.45	5.83	2	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOXA105	2.93	1.50	1.57	2.55	4.14	0.57	6.44	41	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOXA106	4.17	2.16	2.49	3.42	6.58	0.69	8.47	35	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOXA107	3.98	2.29	2.14	3.40	5.43	1.17	10.20	25	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOXA108	6.10	2.53	4.54	5.77	7.99	1.25	11.80	33	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOXA124	2.26	0.00	0.00	2.26	0.00	2.26	2.26	1	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOXA130	0.96	0.40	0.00	0.96	0.00	0.67	1.24	2	N/A	N/A

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOXA136	3.36	2.12	1.42	3.17	4.85	0.22	8.84	40	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOXA137	4.43	2.81	2.31	3.64	6.62	0.43	12.20	41	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOXA138	6.32	2.84	3.25	6.09	8.50	1.59	11.70	36	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOXA139	6.48	2.69	3.77	6.01	8.91	1.16	10.90	33	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	LOXA140	6.84	0.00	0.00	6.84	0.00	6.84	6.84	1	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	WCA1MESO	6.27	1.72	4.59	6.41	7.49	3.57	9.61	26	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	X1	0.81	0.77	0.19	0.49	1.43	0.09	2.37	22	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	X2	2.31	1.54	1.09	1.90	3.65	0.37	6.48	23	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	X3	2.38	1.14	1.42	2.35	3.24	0.21	4.42	24	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	X4	4.41	2.00	2.79	3.80	5.94	1.42	7.95	28	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	Y4	3.30	1.29	2.29	3.39	4.11	0.80	5.87	27	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	Z1	0.78	0.83	0.18	0.52	1.10	0.10	3.57	25	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	Z2	2.05	1.49	1.13	1.78	2.49	0.65	8.02	24	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	Z3	3.82	1.67	2.34	3.72	5.16	1.16	6.97	27	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Interior	Z4	4.20	1.69	2.72	3.59	5.71	1.98	7.66	28	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Outflow	G94B	4.70	1.82	3.31	4.72	5.80	1.18	9.83	66	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Outflow	S10A	5.99	1.98	4.40	6.45	7.43	2.17	10.90	52	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Outflow	S10C	6.10	1.69	4.79	6.03	7.17	2.18	10.60	56	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Outflow	S10D	5.19	1.73	3.94	5.10	6.43	1.64	9.01	72	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Outflow	S39	6.09	2.18	4.56	6.37	7.49	0.90	11.90	91	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Rim	LOXA104	5.37	1.73	4.25	5.43	6.50	0.52	8.80	52	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Rim	LOXA135	4.95	1.90	3.38	5.17	6.14	1.07	8.68	51	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Rim	X0	5.01	1.57	3.73	5.25	6.15	2.05	7.86	26	N/A	N/A
Dissolved Oxygen, Field	mg/L	Refuge	Rim	Z0	4.82	1.71	3.37	5.25	5.97	1.91	7.84	25	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Inflow	E0	2.82	1.58	1.72	2.33	3.75	0.70	7.01	28	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Inflow	F0	2.43	1.74	1.06	2.00	3.62	0.12	7.32	28	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Inflow	G335	4.60	1.69	3.29	4.52	5.89	0.78	8.79	261	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Inflow	S10A	5.99	1.98	4.40	6.45	7.43	2.17	10.90	52	N/A	N/A

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance ± 90%CI	Excursion Category
Dissolved Oxygen, Field	mg/L	WCA2	Inflow	S10C	6.10	1.69	4.79	6.03	7.17	2.18	10.60	56	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Inflow	S10D	5.19	1.73	3.94	5.10	6.43	1.64	9.01	72	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Inflow	S7	4.94	1.95	3.50	4.77	6.35	0.42	9.62	251	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	404C2	3.93	1.89	2.58	3.55	5.65	0.77	8.04	34	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	404Z1	3.54	2.10	1.71	3.02	5.69	1.27	6.72	6	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	CA215	5.46	1.88	4.09	5.45	6.79	1.87	9.81	42	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	CA217	3.85	0.00	0.00	3.85	0.00	3.85	3.85	1	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	CA222	4.52	0.00	0.00	4.52	0.00	4.52	4.52	1	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	CA224	1.95	0.00	0.00	1.95	0.00	1.95	1.95	1	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	CA27	3.90	1.89	2.47	3.49	5.33	0.65	8.36	62	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	CA28	3.29	2.21	1.84	2.59	4.38	0.49	12.00	59	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	CA29	5.29	2.24	3.38	5.35	6.71	1.12	10.70	68	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	E1	1.08	0.78	0.41	1.00	1.43	0.15	3.08	22	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	E2	1.05	0.81	0.39	1.14	1.47	0.08	3.25	17	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	E3	1.59	1.21	0.39	1.32	2.65	0.15	3.88	20	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	E4	2.22	1.67	0.73	1.53	3.92	0.37	5.10	24	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	E5	3.10	1.47	1.97	2.88	4.30	0.67	6.85	24	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	F1	2.98	2.07	1.24	2.57	4.08	0.29	7.94	87	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	F2	2.35	1.92	1.09	1.73	3.17	0.06	8.96	76	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	F3	1.72	1.09	0.55	1.77	2.59	0.24	4.05	20	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	F4	3.06	1.89	1.40	2.72	3.97	0.30	8.97	90	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	F5	3.09	1.46	2.12	3.10	3.89	0.52	6.56	23	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	N1	3.04	2.15	1.23	2.98	4.01	0.21	9.65	41	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	S145	4.23	1.47	3.13	4.01	5.23	1.61	8.61	94	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	U1	3.10	1.47	1.89	2.72	4.23	1.03	6.01	25	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	U2	4.36	1.62	3.00	3.63	5.59	2.58	7.96	22	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Interior	U3	4.56	1.76	3.23	4.37	5.76	1.66	8.80	55	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Outflow	S11A	5.68	1.71	4.71	5.82	6.99	1.14	9.19	80	N/A	N/A

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Dissolved Oxygen, Field	mg/L	WCA2	Outflow	S11B	4.76	1.64	3.35	4.64	6.00	1.95	9.19	56	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Outflow	S11C	3.94	1.75	2.48	3.72	5.36	0.48	7.46	79	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Outflow	S34	4.98	1.99	3.52	5.15	6.60	0.69	9.03	89	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA2	Outflow	S38	3.26	1.62	2.04	3.01	4.17	0.77	8.38	105	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	3AW0	5.73	2.05	4.62	5.85	7.53	0.94	8.84	28	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	C123SR84	4.30	2.33	2.09	4.14	6.08	0.64	10.10	65	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	G123	2.75	1.38	1.57	2.74	3.81	0.46	5.70	101	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	G204	2.78	2.08	1.04	2.51	3.98	0.37	7.59	19	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	G205	3.34	2.22	1.46	2.73	5.89	0.79	7.47	19	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	G206	4.00	1.86	2.42	3.61	5.42	1.44	8.12	19	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	L3BRS	5.02	2.44	3.31	5.87	6.94	0.19	9.60	195	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	S11A	5.68	1.71	4.71	5.82	6.99	1.14	9.19	80	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	S11B	4.76	1.64	3.35	4.64	6.00	1.95	9.19	56	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	S11C	3.94	1.75	2.48	3.72	5.36	0.48	7.46	79	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	S140	4.86	2.27	2.66	4.66	6.85	1.30	10.40	262	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	S142	4.36	1.54	3.60	4.15	5.20	1.44	8.93	64	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	S150	5.17	1.87	3.84	5.15	6.45	0.68	9.72	158	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	S151	3.91	1.57	2.74	3.57	4.81	1.46	8.77	86	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	S190	5.94	2.29	4.11	6.26	7.69	0.85	10.70	259	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	S8	5.18	1.84	3.70	5.45	6.66	0.42	9.58	260	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Inflow	S9	2.42	1.29	1.38	2.23	3.24	0.10	7.61	260	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	3ANMESO	2.54	1.11	1.58	2.65	3.30	1.23	5.07	27	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	3ASMESO	3.27	1.51	1.91	3.46	4.52	0.95	6.60	28	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA311	4.96	1.81	3.80	4.94	6.09	1.09	10.30	71	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA314	8.37	0.00	0.00	8.37	0.00	8.37	8.37	1	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA315	3.92	2.07	2.13	3.51	5.37	0.77	11.30	75	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA316	2.99	1.68	1.74	2.61	3.94	0.54	8.16	70	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA317	5.24	2.29	3.63	5.01	6.85	0.52	10.10	80	N/A	N/A

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA318	2.95	1.91	1.20	2.90	4.31	0.22	10.20	76	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA319	7.04	0.00	0.00	7.04	0.00	7.04	7.04	1	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA32	4.70	1.72	3.64	4.15	6.30	2.22	9.90	51	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA325	5.60	0.00	0.00	5.60	0.00	5.60	5.60	1	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA33	3.35	1.54	2.21	3.06	4.30	1.09	7.91	41	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA34	4.27	1.80	3.06	3.83	5.47	1.00	9.44	54	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA35	3.72	1.38	2.81	3.51	4.76	1.24	6.84	30	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA36	3.61	2.67	1.36	2.63	5.16	0.65	10.00	44	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA38	3.27	1.63	1.94	2.96	4.84	0.79	7.47	54	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA3B1	8.52	0.00	0.00	8.52	0.00	8.52	8.52	1	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	CA3B2	5.42	0.00	0.00	5.42	0.00	5.42	5.42	1	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Interior	S345B6	4.29	2.34	2.78	3.52	7.13	0.73	8.24	16	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Outflow	S12A	4.29	1.56	3.20	3.99	5.23	1.28	13.80	246	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Outflow	S12B	4.42	2.81	3.18	4.16	5.03	2.03	27.30	85	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Outflow	S12C	4.09	2.68	2.73	3.78	4.78	1.56	27.40	110	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Outflow	S12D	4.19	1.52	3.09	4.07	5.03	1.39	14.00	165	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Outflow	S197	6.58	2.26	4.20	6.39	8.35	2.74	10.90	26	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Outflow	S31	3.47	1.77	2.17	3.11	4.51	0.71	8.99	73	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Outflow	S333	4.16	1.58	3.12	4.05	4.98	1.06	15.30	261	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Outflow	S334	5.18	2.34	2.54	6.15	6.88	2.10	8.10	9	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Outflow	S344	3.73	1.82	2.29	3.62	5.38	0.51	7.17	19	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Outflow	S355A	6.68	1.63	5.43	6.52	7.78	3.65	14.30	59	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Outflow	S355B	5.89	1.88	4.70	5.68	7.14	2.16	12.10	58	N/A	N/A
Dissolved Oxygen, Field	mg/L	WCA3	Outflow	US41-25	3.24	1.57	2.44	2.87	3.88	0.77	8.57	86	N/A	N/A
pH, Field	pH Units	ENP	Inflow	S12A	7.33	0.19	7.20	7.30	7.40	7.00	8.60	244	0.4 \pm 67.3	MC
pH, Field	pH Units	ENP	Inflow	S12B	7.23	0.16	7.20	7.20	7.30	6.80	7.80	83	0 \pm 0	NC
pH, Field	pH Units	ENP	Inflow	S12C	7.23	0.18	7.10	7.20	7.30	6.70	7.80	108	0 \pm 0	NC
pH, Field	pH Units	ENP	Inflow	S12D	7.32	0.16	7.20	7.30	7.40	7.00	7.80	163	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
pH, Field	pH Units	ENP	Inflow	S176	7.43	0.29	7.20	7.35	7.60	7.00	8.10	20	0 \pm 0	NC
pH, Field	pH Units	ENP	Inflow	S18C	7.60	0.37	7.30	7.50	8.00	6.70	8.30	258	0 \pm 0	NC
pH, Field	pH Units	ENP	Inflow	S332D	7.41	0.30	7.20	7.30	7.60	7.00	8.10	22	0 \pm 0	NC
pH, Field	pH Units	ENP	Inflow	S333	7.36	0.20	7.20	7.30	7.50	6.90	9.00	259	0.4 \pm 63.4	MC
pH, Field	pH Units	ENP	Inflow	S355A	7.63	0.28	7.50	7.60	7.80	7.10	8.50	59	0 \pm 0	NC
pH, Field	pH Units	ENP	Inflow	S355B	7.51	0.39	7.20	7.40	7.80	6.90	8.50	58	0 \pm 0	NC
pH, Field	pH Units	ENP	Inflow	US41-25	7.18	0.19	7.10	7.20	7.30	6.80	7.80	85	0 \pm 0	NC
pH, Field	pH Units	ENP	Interior	EP	7.83	0.20	7.70	7.80	7.90	7.20	8.40	43	0 \pm 0	NC
pH, Field	pH Units	ENP	Interior	NE1	7.47	0.22	7.30	7.40	7.60	7.10	8.00	50	0 \pm 0	NC
pH, Field	pH Units	ENP	Interior	NP201	7.74	0.20	7.60	7.70	7.90	7.20	8.20	45	0 \pm 0	NC
pH, Field	pH Units	ENP	Interior	P33	7.47	0.25	7.30	7.40	7.60	7.00	8.10	52	0 \pm 0	NC
pH, Field	pH Units	ENP	Interior	P34	7.76	0.23	7.60	7.70	7.95	7.30	8.30	41	0 \pm 0	NC
pH, Field	pH Units	ENP	Interior	P35	7.53	0.19	7.40	7.60	7.70	7.10	7.90	35	0 \pm 0	NC
pH, Field	pH Units	ENP	Interior	P36	7.55	0.19	7.40	7.55	7.60	7.20	8.00	48	0 \pm 0	NC
pH, Field	pH Units	ENP	Interior	P37	7.83	0.29	7.60	7.80	8.10	7.10	8.40	35	0 \pm 0	NC
pH, Field	pH Units	ENP	Interior	S12C10	7.09	0.21	6.85	7.10	7.30	6.80	7.30	8	0 \pm 0	NC
pH, Field	pH Units	ENP	Interior	S12C2	7.50	0.22	7.35	7.60	7.60	7.10	7.60	5	0 \pm 0	NC
pH, Field	pH Units	ENP	Interior	S12C6	7.54	0.33	7.20	7.70	7.80	7.10	7.90	5	0 \pm 0	NC
pH, Field	pH Units	ENP	Interior	T24	7.56	0.15	7.45	7.50	7.70	7.40	7.80	5	0 \pm 0	NC
pH, Field	pH Units	ENP	Interior	T33	7.19	0.19	7.20	7.20	7.30	6.80	7.40	7	0 \pm 0	NC
pH, Field	pH Units	ENP	Interior	TSB	7.70	0.29	7.48	7.70	7.90	7.20	8.40	34	0 \pm 0	NC
pH, Field	pH Units	Refuge	Inflow	ACME1DS	7.47	0.28	7.33	7.40	7.60	6.90	8.10	12	0 \pm 0	NC
pH, Field	pH Units	Refuge	Inflow	ENR012	7.44	0.26	7.30	7.40	7.60	5.20	8.70	259	0.8 \pm 89.5	MC
pH, Field	pH Units	Refuge	Inflow	G300	7.69	0.29	7.50	7.70	7.90	6.80	8.50	259	0 \pm 0	NC
pH, Field	pH Units	Refuge	Inflow	G301	7.70	0.31	7.40	7.70	7.90	6.90	8.60	259	0.4 \pm 63.4	MC
pH, Field	pH Units	Refuge	Inflow	G310	7.74	0.23	7.60	7.70	7.90	6.90	8.40	259	0 \pm 0	NC
pH, Field	pH Units	Refuge	Inflow	G94D	7.23	0.22	7.00	7.30	7.40	6.90	7.50	13	0 \pm 0	NC
pH, Field	pH Units	Refuge	Inflow	S362	7.74	0.26	7.60	7.75	7.90	7.00	8.60	260	0.4 \pm 63.1	MC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
pH, Field	pH Units	Refuge	Interior	LOX10	6.60	0.26	6.40	6.60	6.80	6.10	7.20	41	0 \pm 0	NC
pH, Field	pH Units	Refuge	Interior	LOX11	6.41	0.46	6.10	6.30	6.50	5.60	8.10	55	7.3 \pm 576	MC
pH, Field	pH Units	Refuge	Interior	LOX12	6.76	0.40	6.50	6.75	6.90	6.10	8.30	56	0 \pm 0	NC
pH, Field	pH Units	Refuge	Interior	LOX13	6.44	0.39	6.20	6.40	6.60	5.90	7.60	50	6 \pm 552.4	MC
pH, Field	pH Units	Refuge	Interior	LOX14	6.62	0.32	6.40	6.60	6.80	5.90	7.70	55	1.8 \pm 296.3	MC
pH, Field	pH Units	Refuge	Interior	LOX15	6.94	0.45	6.80	7.00	7.20	4.80	7.60	55	1.8 \pm 296.3	MC
pH, Field	pH Units	Refuge	Interior	LOX16	6.49	0.36	6.30	6.45	6.70	5.80	7.70	54	5.6 \pm 512.7	MC
pH, Field	pH Units	Refuge	Interior	LOX3	6.33	0.48	6.05	6.30	6.55	5.10	7.60	33	12.1 \pm 934.5	PC
pH, Field	pH Units	Refuge	Interior	LOX4	6.63	0.28	6.40	6.60	6.80	6.00	7.40	46	0 \pm 0	NC
pH, Field	pH Units	Refuge	Interior	LOX5	6.23	0.45	6.00	6.15	6.40	5.20	7.80	34	17.6 \pm 1075.4	PC
pH, Field	pH Units	Refuge	Interior	LOX6	6.90	0.37	6.60	6.80	7.10	6.30	8.10	50	0 \pm 0	NC
pH, Field	pH Units	Refuge	Interior	LOX7	6.31	0.35	6.10	6.30	6.40	5.70	7.80	52	7.7 \pm 607.8	MC
pH, Field	pH Units	Refuge	Interior	LOX8	6.18	0.33	6.00	6.10	6.35	5.20	7.10	53	18.9 \pm 884	C
pH, Field	pH Units	Refuge	Interior	LOX9	6.32	0.36	6.10	6.30	6.55	5.30	7.10	41	7.3 \pm 669	MC
pH, Field	pH Units	Refuge	Interior	LOXA101	6.95	0.07	0.00	6.95	0.00	6.90	7.00	2	0 \pm 0	NC
pH, Field	pH Units	Refuge	Interior	LOXA105	6.99	0.24	6.83	7.00	7.20	6.50	7.50	40	0 \pm 0	NC
pH, Field	pH Units	Refuge	Interior	LOXA106	6.91	0.27	6.70	7.00	7.10	6.20	7.30	35	0 \pm 0	NC
pH, Field	pH Units	Refuge	Interior	LOXA107	6.69	0.27	6.50	6.60	6.90	6.20	7.40	25	0 \pm 0	NC
pH, Field	pH Units	Refuge	Interior	LOXA108	6.51	0.49	6.30	6.40	6.70	5.80	8.40	33	6.1 \pm 683.2	MC
pH, Field	pH Units	Refuge	Interior	LOXA124	6.50	0.00	0.00	6.50	0.00	6.50	6.50	1	0 \pm 0	NC
pH, Field	pH Units	Refuge	Interior	LOXA130	6.55	0.07	0.00	6.55	0.00	6.50	6.60	2	0 \pm 0	NC
pH, Field	pH Units	Refuge	Interior	LOXA136	6.72	0.28	6.60	6.70	6.90	6.10	7.50	39	0 \pm 0	NC
pH, Field	pH Units	Refuge	Interior	LOXA137	6.62	0.33	6.40	6.60	6.80	5.80	7.60	40	2.5 \pm 406	MC
pH, Field	pH Units	Refuge	Interior	LOXA138	6.68	0.49	6.30	6.60	6.90	6.00	8.40	35	0 \pm 0	NC
pH, Field	pH Units	Refuge	Interior	LOXA139	6.47	0.50	6.15	6.40	6.60	5.80	8.00	33	12.1 \pm 934.5	PC
pH, Field	pH Units	Refuge	Interior	LOXA140	7.10	0.00	0.00	7.10	0.00	7.10	7.10	1	0 \pm 0	NC
pH, Field	pH Units	Refuge	Interior	WCA1MESO	6.30	0.32	6.10	6.30	6.55	5.40	6.71	26	11.5 \pm 1030.6	PC
pH, Field	pH Units	Refuge	Interior	X1	6.70	0.28	6.63	6.80	6.90	6.00	7.00	22	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
pH, Field	pH Units	Refuge	Interior	X2	6.44	0.35	6.20	6.40	6.80	5.70	6.91	23	8.7 \pm 966.4	PC
pH, Field	pH Units	Refuge	Interior	X3	6.19	0.34	6.00	6.20	6.50	5.40	6.80	24	16.7 \pm 1251.3	PC
pH, Field	pH Units	Refuge	Interior	X4	6.49	0.28	6.30	6.51	6.70	5.80	7.00	28	7.1 \pm 800.6	MC
pH, Field	pH Units	Refuge	Interior	Y4	6.28	0.32	6.10	6.23	6.50	5.50	7.05	27	11.1 \pm 994.8	PC
pH, Field	pH Units	Refuge	Interior	Z1	6.76	0.34	6.50	6.80	7.00	6.10	7.40	25	0 \pm 0	NC
pH, Field	pH Units	Refuge	Interior	Z2	6.55	0.32	6.30	6.60	6.80	5.80	7.00	24	4.2 \pm 670.9	PC
pH, Field	pH Units	Refuge	Interior	Z3	6.45	0.33	6.20	6.40	6.63	5.70	7.10	27	7.4 \pm 829	PC
pH, Field	pH Units	Refuge	Interior	Z4	6.53	0.39	6.30	6.46	6.88	5.90	7.42	28	7.1 \pm 800.6	MC
pH, Field	pH Units	Refuge	Outflow	G94B	7.29	0.31	7.10	7.25	7.43	6.40	8.00	66	0 \pm 0	NC
pH, Field	pH Units	Refuge	Outflow	S10A	7.72	0.34	7.43	7.80	8.00	6.90	8.30	52	0 \pm 0	NC
pH, Field	pH Units	Refuge	Outflow	S10C	7.79	0.33	7.60	7.80	8.00	6.70	8.60	56	1.8 \pm 291.1	MC
pH, Field	pH Units	Refuge	Outflow	S10D	7.61	0.25	7.40	7.60	7.80	6.80	8.10	72	0 \pm 0	NC
pH, Field	pH Units	Refuge	Outflow	S39	7.70	0.38	7.50	7.80	8.00	6.80	8.50	91	0 \pm 0	NC
pH, Field	pH Units	Refuge	Rim	LOXA104	7.63	0.27	7.43	7.65	7.80	7.00	8.20	52	0 \pm 0	NC
pH, Field	pH Units	Refuge	Rim	LOXA135	7.48	0.24	7.30	7.50	7.60	7.00	8.10	51	0 \pm 0	NC
pH, Field	pH Units	Refuge	Rim	X0	7.50	0.25	7.29	7.60	7.61	7.00	7.90	26	0 \pm 0	NC
pH, Field	pH Units	Refuge	Rim	Z0	7.42	0.28	7.25	7.50	7.60	6.78	7.82	25	0 \pm 0	NC
pH, Field	pH Units	WCA2	Inflow	E0	7.45	0.27	7.30	7.47	7.50	7.00	8.40	28	3.6 \pm 576.9	MC
pH, Field	pH Units	WCA2	Inflow	F0	7.42	0.25	7.30	7.40	7.50	7.10	8.20	28	3.6 \pm 576.9	MC
pH, Field	pH Units	WCA2	Inflow	G335	7.65	0.23	7.50	7.60	7.80	7.00	8.20	257	0 \pm 0	NC
pH, Field	pH Units	WCA2	Inflow	S10A	7.72	0.34	7.43	7.80	8.00	6.90	8.30	52	0 \pm 0	NC
pH, Field	pH Units	WCA2	Inflow	S10C	7.79	0.33	7.60	7.80	8.00	6.70	8.60	56	1.8 \pm 291.1	MC
pH, Field	pH Units	WCA2	Inflow	S10D	7.61	0.25	7.40	7.60	7.80	6.80	8.10	72	0 \pm 0	NC
pH, Field	pH Units	WCA2	Inflow	S7	7.71	0.21	7.60	7.70	7.80	7.20	8.30	251	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	404C2	7.36	0.16	7.20	7.40	7.43	7.00	7.70	34	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	404Z1	7.37	0.18	7.25	7.35	7.53	7.10	7.60	6	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	CA215	7.58	0.23	7.48	7.60	7.70	7.00	8.10	42	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	CA217	7.60	0.00	0.00	7.60	0.00	7.60	7.60	1	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
pH, Field	pH Units	WCA2	Interior	CA222	7.80	0.00	0.00	7.80	0.00	7.80	7.80	1	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	CA224	7.40	0.00	0.00	7.40	0.00	7.40	7.40	1	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	CA27	7.40	0.23	7.30	7.40	7.53	6.50	7.80	62	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	CA28	7.43	0.21	7.30	7.40	7.60	6.80	8.20	59	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	CA29	7.61	0.22	7.40	7.60	7.70	7.10	8.20	68	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	E1	7.14	0.18	7.00	7.15	7.30	6.80	7.40	22	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	E2	7.08	0.20	6.95	7.10	7.25	6.70	7.50	17	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	E3	7.15	0.23	7.00	7.20	7.29	6.80	7.65	20	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	E4	7.07	0.19	6.90	7.10	7.20	6.70	7.50	24	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	E5	7.28	0.23	7.10	7.30	7.42	6.80	7.67	24	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	F1	7.30	0.27	7.10	7.30	7.50	6.70	8.10	87	1.1 \pm 188	MC
pH, Field	pH Units	WCA2	Interior	F2	7.22	0.22	7.10	7.20	7.40	6.60	7.70	75	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	F3	7.20	0.20	7.10	7.20	7.30	6.80	7.60	20	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	F4	7.20	0.21	7.10	7.20	7.30	6.50	7.80	90	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	F5	7.34	0.20	7.20	7.39	7.40	6.90	7.75	23	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	N1	7.42	0.20	7.30	7.40	7.60	6.90	7.80	41	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	S145	7.54	0.21	7.40	7.50	7.70	7.00	8.10	94	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	U1	7.23	0.23	7.10	7.20	7.37	6.80	7.81	25	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	U2	7.39	0.24	7.25	7.40	7.53	7.00	7.86	22	0 \pm 0	NC
pH, Field	pH Units	WCA2	Interior	U3	7.50	0.20	7.40	7.50	7.60	6.60	7.80	54	0 \pm 0	NC
pH, Field	pH Units	WCA2	Outflow	S11A	7.78	0.22	7.60	7.80	7.90	7.40	8.40	80	0 \pm 0	NC
pH, Field	pH Units	WCA2	Outflow	S11B	7.66	0.19	7.50	7.60	7.80	7.20	8.20	56	0 \pm 0	NC
pH, Field	pH Units	WCA2	Outflow	S11C	7.60	0.18	7.50	7.60	7.70	7.20	8.10	79	0 \pm 0	NC
pH, Field	pH Units	WCA2	Outflow	S34	7.62	0.29	7.40	7.60	7.80	7.10	8.40	89	0 \pm 0	NC
pH, Field	pH Units	WCA2	Outflow	S38	7.41	0.24	7.20	7.40	7.58	7.00	8.10	104	0 \pm 0	NC
pH, Field	pH Units	WCA3	Inflow	3AW0	7.73	0.45	7.32	7.90	8.10	6.80	8.32	28	32.1 \pm 1451.7	C
pH, Field	pH Units	WCA3	Inflow	C123SR84	7.50	0.28	7.30	7.40	7.70	7.10	8.20	65	0 \pm 0	NC
pH, Field	pH Units	WCA3	Inflow	G123	7.35	0.20	7.20	7.30	7.50	7.00	7.90	101	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
pH, Field	pH Units	WCA3	Inflow	G204	7.21	0.26	7.00	7.20	7.30	6.80	7.80	19	0 \pm 0	NC
pH, Field	pH Units	WCA3	Inflow	G205	7.22	0.42	6.90	7.20	7.60	6.40	8.10	19	0 \pm 0	NC
pH, Field	pH Units	WCA3	Inflow	G206	7.09	0.52	6.60	7.10	7.40	6.10	7.90	19	0 \pm 0	NC
pH, Field	pH Units	WCA3	Inflow	L3BRS	7.63	0.29	7.40	7.60	7.80	6.80	8.30	194	0 \pm 0	NC
pH, Field	pH Units	WCA3	Inflow	S11A	7.78	0.22	7.60	7.80	7.90	7.40	8.40	80	0 \pm 0	NC
pH, Field	pH Units	WCA3	Inflow	S11B	7.66	0.19	7.50	7.60	7.80	7.20	8.20	56	0 \pm 0	NC
pH, Field	pH Units	WCA3	Inflow	S11C	7.60	0.18	7.50	7.60	7.70	7.20	8.10	79	0 \pm 0	NC
pH, Field	pH Units	WCA3	Inflow	S140	7.61	0.31	7.40	7.60	7.80	7.00	8.30	262	0 \pm 0	NC
pH, Field	pH Units	WCA3	Inflow	S142	7.60	0.19	7.50	7.60	7.70	7.20	8.10	64	0 \pm 0	NC
pH, Field	pH Units	WCA3	Inflow	S150	7.75	0.21	7.60	7.80	7.90	7.30	8.20	158	0 \pm 0	NC
pH, Field	pH Units	WCA3	Inflow	S151	7.53	0.17	7.40	7.50	7.60	7.00	8.30	86	0 \pm 0	NC
pH, Field	pH Units	WCA3	Inflow	S190	7.63	0.34	7.30	7.60	7.90	6.90	8.70	258	0.4 \pm 63.6	MC
pH, Field	pH Units	WCA3	Inflow	S8	7.53	0.32	7.30	7.50	7.80	6.70	8.70	259	0.8 \pm 89.5	MC
pH, Field	pH Units	WCA3	Inflow	S9	7.34	0.16	7.20	7.30	7.40	7.00	8.10	260	0 \pm 0	NC
pH, Field	pH Units	WCA3	Interior	3ANMESO	7.11	0.20	7.00	7.10	7.25	6.70	7.45	27	0 \pm 0	NC
pH, Field	pH Units	WCA3	Interior	3ASMESO	7.08	0.23	7.00	7.10	7.30	6.60	7.41	28	0 \pm 0	NC
pH, Field	pH Units	WCA3	Interior	CA311	7.40	0.23	7.30	7.40	7.50	6.80	7.90	71	0 \pm 0	NC
pH, Field	pH Units	WCA3	Interior	CA314	7.70	0.00	0.00	7.70	0.00	7.70	7.70	1	0 \pm 0	NC
pH, Field	pH Units	WCA3	Interior	CA315	7.18	0.28	7.00	7.20	7.40	6.50	7.80	75	0 \pm 0	NC
pH, Field	pH Units	WCA3	Interior	CA316	7.31	0.25	7.20	7.30	7.40	6.80	8.30	69	0 \pm 0	NC
pH, Field	pH Units	WCA3	Interior	CA317	7.54	0.28	7.33	7.60	7.70	6.90	8.20	80	0 \pm 0	NC
pH, Field	pH Units	WCA3	Interior	CA318	7.21	0.22	7.10	7.20	7.30	6.60	7.70	76	0 \pm 0	NC
pH, Field	pH Units	WCA3	Interior	CA319	7.50	0.00	0.00	7.50	0.00	7.50	7.50	1	0 \pm 0	NC
pH, Field	pH Units	WCA3	Interior	CA32	7.33	0.25	7.20	7.30	7.50	6.40	7.80	51	0 \pm 0	NC
pH, Field	pH Units	WCA3	Interior	CA325	7.50	0.00	0.00	7.50	0.00	7.50	7.50	1	0 \pm 0	NC
pH, Field	pH Units	WCA3	Interior	CA33	7.14	0.18	7.00	7.10	7.30	6.70	7.60	41	0 \pm 0	NC
pH, Field	pH Units	WCA3	Interior	CA34	7.22	0.21	7.08	7.20	7.40	6.80	7.60	54	0 \pm 0	NC
pH, Field	pH Units	WCA3	Interior	CA35	7.20	0.19	7.10	7.20	7.33	6.80	7.50	30	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance ± 90%CI	Excursion Category
pH, Field	pH Units	WCA3	Interior	CA36	7.23	0.20	7.13	7.20	7.30	6.80	7.70	44	0 ± 0	NC
pH, Field	pH Units	WCA3	Interior	CA38	7.18	0.20	7.10	7.20	7.30	6.70	7.70	54	0 ± 0	NC
pH, Field	pH Units	WCA3	Interior	CA3B1	7.80	0.00	0.00	7.80	0.00	7.80	7.80	1	0 ± 0	NC
pH, Field	pH Units	WCA3	Interior	CA3B2	7.30	0.00	0.00	7.30	0.00	7.30	7.30	1	0 ± 0	NC
pH, Field	pH Units	WCA3	Interior	S345B6	7.15	0.20	7.10	7.20	7.30	6.70	7.40	11	0 ± 0	NC
pH, Field	pH Units	WCA3	Outflow	S12A	7.33	0.19	7.20	7.30	7.40	7.00	8.60	244	0.4 ± 67.3	MC
pH, Field	pH Units	WCA3	Outflow	S12B	7.23	0.16	7.20	7.20	7.30	6.80	7.80	83	0 ± 0	NC
pH, Field	pH Units	WCA3	Outflow	S12C	7.23	0.18	7.10	7.20	7.30	6.70	7.80	108	0 ± 0	NC
pH, Field	pH Units	WCA3	Outflow	S12D	7.32	0.16	7.20	7.30	7.40	7.00	7.80	163	0 ± 0	NC
pH, Field	pH Units	WCA3	Outflow	S197	7.67	0.40	7.30	7.70	8.00	6.90	8.40	26	0 ± 0	NC
pH, Field	pH Units	WCA3	Outflow	S31	7.50	0.20	7.40	7.50	7.60	7.10	8.20	73	0 ± 0	NC
pH, Field	pH Units	WCA3	Outflow	S333	7.36	0.20	7.20	7.30	7.50	6.90	9.00	259	0.4 ± 63.4	MC
pH, Field	pH Units	WCA3	Outflow	S334	7.51	0.37	7.15	7.60	7.80	7.00	8.00	9	0 ± 0	NC
pH, Field	pH Units	WCA3	Outflow	S344	7.33	0.32	7.10	7.20	7.50	6.90	8.00	19	0 ± 0	NC
pH, Field	pH Units	WCA3	Outflow	S355A	7.63	0.28	7.50	7.60	7.80	7.10	8.50	59	0 ± 0	NC
pH, Field	pH Units	WCA3	Outflow	S355B	7.51	0.39	7.20	7.40	7.80	6.90	8.50	58	0 ± 0	NC
pH, Field	pH Units	WCA3	Outflow	US41-25	7.18	0.19	7.10	7.20	7.30	6.80	7.80	85	0 ± 0	NC
Specific Conductivity, Field	µS/cm	ENP	Inflow	S12A	407.43	127.28	329.00	367.00	450.25	215.00	874.00	246	0 ± 0	NC
Specific Conductivity, Field	µS/cm	ENP	Inflow	S12B	415.85	111.94	324.00	414.00	460.00	268.00	701.00	85	0 ± 0	NC
Specific Conductivity, Field	µS/cm	ENP	Inflow	S12C	468.41	124.82	362.75	493.00	554.50	243.00	730.00	110	0 ± 0	NC
Specific Conductivity, Field	µS/cm	ENP	Inflow	S12D	566.69	127.60	491.00	584.00	642.00	258.00	835.00	165	0 ± 0	NC
Specific Conductivity, Field	µS/cm	ENP	Inflow	S176	530.05	9.26	526.00	532.00	537.00	507.00	544.00	19	0 ± 0	NC
Specific Conductivity, Field	µS/cm	ENP	Inflow	S18C	564.70	51.47	535.00	553.00	574.00	498.00	814.00	259	0 ± 0	NC
Specific Conductivity, Field	µS/cm	ENP	Inflow	S332D	531.57	8.78	528.50	535.00	538.00	506.00	542.00	21	0 ± 0	NC
Specific Conductivity, Field	µS/cm	ENP	Inflow	S333	583.11	148.15	460.00	603.00	691.00	243.00	905.00	261	0 ± 0	NC
Specific Conductivity, Field	µS/cm	ENP	Inflow	S355A	453.22	115.49	364.00	457.00	534.00	214.00	687.00	59	0 ± 0	NC
Specific Conductivity, Field	µS/cm	ENP	Inflow	S355B	462.91	146.56	342.75	432.50	586.25	205.00	782.00	58	0 ± 0	NC
Specific Conductivity, Field	µS/cm	ENP	Inflow	US41-25	413.20	77.24	359.00	413.00	459.50	239.00	676.00	85	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Specific Conductivity, Field	$\mu S/cm$	ENP	Interior	EP	529.83	99.43	461.25	514.00	586.00	380.00	868.00	42	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	ENP	Interior	NE1	523.23	148.90	381.75	531.00	655.50	253.00	772.00	48	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	ENP	Interior	NP201	525.40	168.64	408.50	509.00	590.50	288.00	1166.00	45	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	ENP	Interior	P33	577.62	139.25	456.00	588.00	663.50	309.00	933.00	52	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	ENP	Interior	P34	368.21	108.12	286.75	346.00	431.00	219.00	604.00	42	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	ENP	Interior	P35	479.54	140.92	385.00	442.00	527.00	311.00	980.00	35	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	ENP	Interior	P36	502.65	110.94	429.00	481.00	610.75	304.00	688.00	48	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	ENP	Interior	P37	311.53	89.03	249.25	286.50	369.50	186.00	543.00	36	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	ENP	Interior	S12C10	592.43	80.03	506.28	610.50	648.50	496.40	717.90	8	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	ENP	Interior	S12C2	478.39	74.65	412.83	464.80	550.75	388.00	580.80	5	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	ENP	Interior	S12C6	501.74	112.51	410.10	502.90	592.80	381.60	681.20	5	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	ENP	Interior	T24	335.32	55.60	291.50	309.30	392.15	279.30	415.50	5	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	ENP	Interior	T33	379.88	72.49	326.50	375.85	444.20	276.20	482.20	7	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	ENP	Interior	TSB	435.11	75.26	396.00	442.00	487.00	260.00	556.00	35	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Inflow	ACME1DS	587.99	112.68	498.25	546.95	634.75	463.00	803.00	12	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Inflow	ENR012	925.83	139.64	829.55	927.50	1017.75	432.90	1394.00	260	0.8 \pm 89.1	MC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Inflow	G300	928.70	276.33	681.78	948.45	1164.00	378.70	1546.00	260	11.2 \pm 321.1	PC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Inflow	G301	957.23	292.05	709.80	980.45	1199.00	347.70	1683.00	260	14.2 \pm 356.4	C
Specific Conductivity, Field	$\mu S/cm$	Refuge	Inflow	G310	1003.76	115.15	917.25	1012.50	1088.00	702.40	1389.00	260	0.8 \pm 89.1	MC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Inflow	G94D	588.58	90.16	521.00	600.00	633.30	445.00	787.00	13	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Inflow	S362	947.41	324.63	691.70	849.00	1202.00	338.80	1779.00	261	21.1 \pm 415.2	C
Specific Conductivity, Field	$\mu S/cm$	Refuge	Interior	LOX10	154.69	73.77	103.50	125.00	167.40	84.00	351.70	41	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Interior	LOX11	113.50	36.18	83.40	105.10	138.40	57.30	198.00	47	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Interior	LOX12	157.35	54.44	114.83	147.90	175.75	79.70	319.80	50	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Interior	LOX13	116.48	30.61	97.50	109.85	134.25	63.50	194.00	44	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Interior	LOX14	227.99	137.79	133.40	175.70	274.75	102.00	612.80	49	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Interior	LOX15	344.77	161.11	209.10	324.30	476.00	120.00	733.60	51	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Interior	LOX16	198.85	119.96	119.73	139.25	263.15	87.00	559.00	50	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance \pm 90%CI	Excursion Category
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOX3	110.00	25.82	89.80	106.20	130.20	63.50	159.00	33	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOX4	291.27	124.10	199.68	253.05	368.73	140.10	685.00	44	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOX5	102.29	24.80	85.88	100.05	112.20	61.20	171.30	34	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOX6	280.58	129.37	159.05	256.30	373.15	100.30	671.20	45	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOX7	118.98	35.09	91.00	113.50	141.40	65.90	210.10	51	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOX8	113.21	38.44	85.05	101.60	142.00	57.80	234.00	52	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOX9	119.78	25.36	101.10	113.40	133.65	77.20	184.50	41	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOXA101	685.00	103.24	0.00	685.00	0.00	612.00	758.00	2	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOXA105	579.80	246.90	358.00	603.10	799.50	195.00	979.00	41	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOXA106	385.83	190.19	206.75	351.50	510.75	150.00	796.00	34	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOXA107	186.82	76.84	151.00	177.00	197.00	111.00	524.20	25	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOXA108	134.76	30.36	112.50	132.50	155.25	74.70	214.00	32	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOXA124	501.00	0.00	0.00	501.00	0.00	501.00	501.00	1	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOXA130	443.50	188.80	0.00	443.50	0.00	310.00	577.00	2	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOXA136	427.51	206.69	218.00	384.50	633.00	146.00	811.00	40	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOXA137	293.04	166.11	157.00	242.00	424.00	104.00	743.00	39	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOXA138	191.78	96.10	125.50	158.50	247.50	85.00	460.00	34	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOXA139	103.61	25.97	82.00	106.00	124.00	43.00	158.00	31	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	LOXA140	345.00	0.00	0.00	345.00	0.00	345.00	345.00	1	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	WCA1MESO	90.92	36.45	62.30	88.00	102.00	38.00	192.30	26	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	X1	509.91	271.11	257.78	500.56	778.00	88.00	924.57	22	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	X2	232.98	152.65	129.81	163.60	367.20	82.90	578.00	23	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	X3	128.91	48.63	91.90	115.90	175.40	68.00	222.90	24	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	X4	131.35	52.11	92.60	118.20	159.40	63.50	270.34	28	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	Y4	124.44	38.80	94.70	124.30	153.00	65.10	227.40	27	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	Z1	610.02	275.86	384.79	746.20	830.25	137.10	1008.00	25	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	Z2	311.16	194.60	170.98	258.10	520.63	91.10	668.20	24	0 \pm 0	NC
Specific Conductivity, Field	μ S/cm	Refuge	Interior	Z3	143.25	54.45	90.50	137.60	202.30	67.50	235.50	27	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Specific Conductivity, Field	$\mu S/cm$	Refuge	Interior	Z4	124.49	40.99	93.65	115.85	148.90	67.40	259.00	28	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Outflow	G94B	569.23	238.75	385.00	571.00	694.25	191.60	1291.00	66	1.5 \pm 247.3	MC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Outflow	S10A	572.17	223.83	392.95	594.50	723.00	184.00	1080.00	52	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Outflow	S10C	608.33	229.51	431.25	617.00	771.75	190.00	1103.00	56	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Outflow	S10D	711.72	231.20	554.50	722.00	894.75	220.10	1176.00	72	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Outflow	S39	538.73	206.64	395.00	540.70	695.00	189.00	1034.00	91	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Rim	LOXA104	799.00	197.16	684.25	828.00	921.25	303.00	1126.00	52	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Rim	LOXA135	794.44	188.19	676.00	783.00	881.00	455.40	1350.00	51	3.9 \pm 447.1	MC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Rim	X0	630.52	229.95	432.70	657.74	774.68	212.80	1102.00	26	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	Refuge	Rim	Z0	614.33	245.59	420.15	623.50	756.80	107.90	1102.00	25	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Inflow	E0	760.25	247.52	622.83	770.75	925.43	213.40	1109.00	28	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Inflow	F0	793.26	282.99	630.00	825.30	1047.00	247.50	1160.00	28	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Inflow	G335	1175.68	156.06	1051.00	1181.00	1273.75	754.00	1612.00	260	24.2 \pm 437.1	C
Specific Conductivity, Field	$\mu S/cm$	WCA2	Inflow	S10A	572.17	223.83	392.95	594.50	723.00	184.00	1080.00	52	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Inflow	S10C	608.33	229.51	431.25	617.00	771.75	190.00	1103.00	56	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Inflow	S10D	711.72	231.20	554.50	722.00	894.75	220.10	1176.00	72	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Inflow	S7	861.08	144.57	762.00	862.00	958.00	553.00	1301.00	251	0.8 \pm 92.3	MC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	404C2	1054.26	164.77	933.95	1087.00	1166.50	538.00	1345.00	33	6.1 \pm 683.2	MC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	404Z1	987.67	241.99	743.75	1078.50	1177.50	596.00	1215.00	6	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	CA215	777.15	169.99	660.55	736.00	874.50	493.00	1345.00	41	2.4 \pm 396.3	MC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	CA217	705.00	0.00	0.00	705.00	0.00	705.00	705.00	1	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	CA224	758.00	0.00	0.00	758.00	0.00	758.00	758.00	1	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	CA27	976.87	186.72	878.00	992.50	1065.00	448.00	1371.00	60	5 \pm 462.8	MC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	CA28	1059.63	174.58	959.00	1113.00	1174.00	458.00	1323.00	57	5.3 \pm 486.5	MC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	CA29	958.51	181.59	850.78	950.00	1071.00	550.00	1591.00	66	4.5 \pm 421.7	MC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	E1	938.01	338.65	712.04	864.05	1128.50	289.90	1836.00	22	18.2 \pm 1352.6	PC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	E2	755.08	275.07	613.75	796.90	964.20	138.70	1269.00	17	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	E3	841.04	269.67	689.20	818.30	987.93	383.90	1380.98	20	5 \pm 801.6	PC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	E4	709.86	265.72	571.55	671.30	846.98	222.40	1208.95	24	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	E5	697.91	229.28	626.30	666.70	774.60	297.85	1194.00	23	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	F1	1172.92	492.65	816.00	1018.00	1402.00	324.40	2693.00	83	33.7 \pm 853.6	C
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	F2	910.30	306.72	721.23	848.40	1064.00	347.90	1787.00	74	13.5 \pm 653.7	PC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	F3	911.67	271.72	717.65	864.10	1027.00	565.80	1681.00	20	10 \pm 1103.4	PC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	F4	764.33	211.71	623.50	755.50	912.50	263.85	1275.00	89	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	F5	803.93	182.86	641.50	773.55	966.00	529.60	1116.00	23	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	N1	1090.95	152.63	961.50	1125.00	1216.00	698.00	1339.00	40	10 \pm 780.2	MC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	S145	656.31	170.70	524.00	656.50	776.50	373.00	1098.00	94	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	U1	618.75	193.78	512.90	640.90	746.65	183.30	1186.00	24	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	U2	723.10	216.57	548.96	726.30	870.35	210.60	1192.00	22	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Interior	U3	808.74	197.66	689.25	803.65	908.83	214.70	1520.50	54	3.7 \pm 422.7	MC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Outflow	S11A	776.34	154.37	652.00	796.00	881.00	475.00	1143.00	80	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Outflow	S11B	790.61	160.61	639.75	788.50	913.50	482.00	1097.00	56	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Outflow	S11C	801.65	142.48	676.00	816.00	908.00	517.00	1112.00	79	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Outflow	S34	690.70	151.14	587.00	661.00	788.50	359.00	1096.00	89	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA2	Outflow	S38	595.44	188.97	432.50	533.00	734.50	337.00	1099.00	105	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	3AW0	427.94	74.25	362.45	452.05	481.03	294.40	554.20	28	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	C123SR84	621.66	116.39	532.00	614.00	690.00	384.00	943.00	65	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	G123	844.02	87.44	800.50	865.00	902.00	522.00	979.00	101	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	G204	634.12	175.94	477.00	633.00	762.00	261.00	944.30	19	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	G205	653.17	214.70	570.88	674.35	822.50	235.00	921.60	18	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	G206	608.78	280.67	376.33	684.50	822.10	91.40	934.30	18	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	L3BRS	633.12	146.57	535.00	600.00	715.00	330.70	1135.00	195	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	S11A	776.34	154.37	652.00	796.00	881.00	475.00	1143.00	80	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	S11B	790.61	160.61	639.75	788.50	913.50	482.00	1097.00	56	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	S11C	801.65	142.48	676.00	816.00	908.00	517.00	1112.00	79	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	S140	669.86	181.88	533.75	650.50	773.75	257.00	1172.00	262	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	S142	803.77	149.68	700.00	795.00	892.75	475.00	1112.00	64	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	S150	843.31	175.23	734.25	855.50	955.50	407.00	1341.00	158	1.9 \pm 178.6	MC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	S151	750.01	95.59	691.75	750.50	796.50	588.00	1120.00	86	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	S190	529.19	76.34	480.90	531.80	572.00	252.30	751.00	259	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	S8	722.75	146.68	587.50	726.00	856.00	351.00	1004.00	260	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Inflow	S9	765.25	62.25	732.25	791.00	809.00	550.00	841.00	260	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	3ANMESO	393.89	82.13	327.50	396.30	427.40	296.50	629.20	27	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	3ASMESO	358.64	78.07	288.59	346.50	407.83	250.70	583.20	28	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA311	469.05	89.09	400.75	448.00	535.00	317.60	693.00	70	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA314	509.00	0.00	0.00	509.00	0.00	509.00	509.00	1	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA315	433.81	87.78	366.25	433.50	486.50	235.00	749.00	74	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA316	783.31	148.05	720.00	805.00	887.50	434.00	1030.00	69	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA317	707.22	105.10	643.00	698.00	772.00	494.00	1072.00	79	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA318	610.09	120.90	550.00	634.00	684.00	24.00	837.00	75	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA319	381.00	0.00	0.00	381.00	0.00	381.00	381.00	1	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA32	544.56	183.45	385.50	515.00	699.25	228.00	1074.00	50	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA325	540.00	0.00	0.00	540.00	0.00	540.00	540.00	1	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA33	431.76	132.25	324.18	415.50	538.00	251.00	788.00	40	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA34	551.33	118.01	437.15	565.00	627.00	326.00	795.00	53	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA35	464.23	123.76	388.50	467.00	534.50	251.90	809.00	29	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA36	741.72	167.91	608.60	743.00	822.00	461.00	1146.00	43	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA38	410.98	92.18	334.50	383.00	488.50	292.00	622.00	53	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA3B1	523.00	0.00	0.00	523.00	0.00	523.00	523.00	1	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	CA3B2	615.00	0.00	0.00	615.00	0.00	615.00	615.00	1	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Interior	S345B6	598.62	89.17	529.50	624.80	647.00	433.30	761.30	11	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Outflow	S12A	407.43	127.28	329.00	367.00	450.25	215.00	874.00	246	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Outflow	S12B	415.85	111.94	324.00	414.00	460.00	268.00	701.00	85	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Outflow	S12C	468.41	124.82	362.75	493.00	554.50	243.00	730.00	110	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Specific Conductivity, Field	$\mu S/cm$	WCA3	Outflow	S12D	566.69	127.60	491.00	584.00	642.00	258.00	835.00	165	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Outflow	S197	678.88	363.62	511.75	561.00	683.75	452.00	2159.00	26	7.7 \pm 859.6	PC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Outflow	S31	739.95	57.55	714.00	734.00	765.50	620.00	975.00	73	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Outflow	S333	583.11	148.15	460.00	603.00	691.00	243.00	905.00	261	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Outflow	S334	546.44	71.58	464.50	572.00	594.50	442.00	644.00	9	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Outflow	S344	332.39	77.10	266.25	325.50	404.25	178.00	445.00	18	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Outflow	S355A	453.22	115.49	364.00	457.00	534.00	214.00	687.00	59	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Outflow	S355B	462.91	146.56	342.75	432.50	586.25	205.00	782.00	58	0 \pm 0	NC
Specific Conductivity, Field	$\mu S/cm$	WCA3	Outflow	US41-25	413.20	77.24	359.00	413.00	459.50	239.00	676.00	85	0 \pm 0	NC
Sulfate	mg/L	ENP	Inflow	S12A	4.49	8.47	0.10	0.55	5.93	0.05	34.20	20	NA	NA
Sulfate	mg/L	ENP	Inflow	S12B	0.20			0.20		0.20	0.20	1	NA	NA
Sulfate	mg/L	ENP	Inflow	S12C	1.00			1.00		1.00	1.00	1	NA	NA
Sulfate	mg/L	ENP	Inflow	S12D	3.00			3.00		3.00	3.00	1	NA	NA
Sulfate	mg/L	ENP	Inflow	S18C	7.84	3.06	4.90	7.90	9.80	3.10	14.60	19	NA	NA
Sulfate	mg/L	ENP	Inflow	S332D	1.00	0.14		1.00		0.90	1.10	2	NA	NA
Sulfate	mg/L	ENP	Inflow	S333	12.59	8.37	4.83	14.05	19.00	0.30	29.80	20	NA	NA
Sulfate	mg/L	ENP	Inflow	S355A	0.45	0.65	0.05	0.20	0.50	0.05	2.30	19	NA	NA
Sulfate	mg/L	ENP	Inflow	S355B	3.57	5.65	0.05	1.10	5.30	0.05	21.00	19	NA	NA
Sulfate	mg/L	ENP	Inflow	US41-25	0.66	1.34	0.05	0.20	0.70	0.05	5.80	19	NA	NA
Sulfate	mg/L	ENP	Interior	EP	4.00	1.78	2.43	3.75	4.98	1.70	8.80	28	NA	NA
Sulfate	mg/L	ENP	Interior	NE1	8.54	18.71	1.10	2.80	6.60	0.30	89.60	43	NA	NA
Sulfate	mg/L	ENP	Interior	NP201	14.79	31.15	1.30	4.40	10.10	0.10	147.00	35	NA	NA
Sulfate	mg/L	ENP	Interior	P33	14.20	44.30	1.80	2.70	5.20	0.60	239.00	47	NA	NA
Sulfate	mg/L	ENP	Interior	P34	0.34	1.33	0.05	0.05	0.05	0.05	7.80	34	NA	NA
Sulfate	mg/L	ENP	Interior	P35	1.75	3.90	0.40	0.60	1.80	0.20	19.20	23	NA	NA
Sulfate	mg/L	ENP	Interior	P36	4.48	11.35	0.50	1.00	1.60	0.20	51.60	37	NA	NA
Sulfate	mg/L	ENP	Interior	P37	0.20	0.52	0.05	0.05	0.05	0.05	2.40	22	NA	NA
Sulfate	mg/L	ENP	Interior	TSB	0.93	1.02	0.20	0.55	1.28	0.05	4.00	32	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Sulfate	mg/L	Refuge	Inflow	ACME1DS	17.12	8.00	9.30	17.90	24.55	6.30	26.10	5	NA	NA
Sulfate	mg/L	Refuge	Inflow	ENR012	42.38	19.83	30.20	39.40	48.58	17.00	172.00	132	NA	NA
Sulfate	mg/L	Refuge	Inflow	G300	77.38	22.32	63.90	76.60	98.60	38.90	126.00	19	NA	NA
Sulfate	mg/L	Refuge	Inflow	G301	85.47	27.96	61.30	83.10	108.00	33.20	136.00	19	NA	NA
Sulfate	mg/L	Refuge	Inflow	G310	61.20	15.09	48.50	61.55	70.70	30.20	115.00	132	NA	NA
Sulfate	mg/L	Refuge	Inflow	G94D	16.45	14.95	4.58	12.25	28.13	3.30	42.60	6	NA	NA
Sulfate	mg/L	Refuge	Inflow	S362	40.78	18.21	26.10	37.30	53.50	11.40	137.00	131	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX10	0.80	0.93	0.30	0.40	1.03	0.20	5.00	42	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX11	0.06	0.04	0.05	0.05	0.05	0.05	0.20	55	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX12	0.70	1.12	0.20	0.30	0.70	0.05	6.90	56	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX13	0.05	0.01	0.05	0.05	0.05	0.05	0.10	50	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX14	3.84	7.82	0.30	0.95	3.15	0.05	49.30	54	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX15	11.98	9.97	2.60	11.50	18.10	0.70	34.30	55	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX16	2.49	4.04	0.20	0.60	2.40	0.05	17.60	53	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX3	0.07	0.05	0.05	0.05	0.05	0.05	0.30	35	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX4	4.48	8.13	0.80	1.00	4.40	0.50	43.00	47	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX5	0.07	0.07	0.05	0.05	0.05	0.05	0.40	36	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX6	4.00	5.96	0.40	1.40	5.45	0.05	26.90	49	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX7	0.08	0.09	0.05	0.05	0.05	0.05	0.60	53	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX8	0.05	0.02	0.05	0.05	0.05	0.05	0.20	53	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX9	0.06	0.04	0.05	0.05	0.05	0.05	0.30	43	NA	NA
Sulfate	mg/L	Refuge	Interior	WCA1MESO	0.08	0.08	0.05	0.05	0.05	0.05	0.32	27	NA	NA
Sulfate	mg/L	Refuge	Interior	X1	20.30	17.08	5.00	16.60	33.55	3.00	61.15	21	NA	NA
Sulfate	mg/L	Refuge	Interior	X2	5.20	6.07	1.50	2.90	6.60	0.90	24.20	23	NA	NA
Sulfate	mg/L	Refuge	Interior	X3	1.58	0.76	0.90	1.40	2.35	0.60	2.80	25	NA	NA
Sulfate	mg/L	Refuge	Interior	X4	0.40	0.34	0.10	0.30	0.50	0.05	1.20	27	NA	NA
Sulfate	mg/L	Refuge	Interior	Y4	0.51	0.39	0.20	0.30	0.70	0.10	1.60	27	NA	NA
Sulfate	mg/L	Refuge	Interior	Z1	24.42	19.76	7.20	20.10	45.00	2.00	63.00	23	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Sulfate	mg/L	Refuge	Interior	Z2	7.26	7.24	1.95	4.40	10.60	1.60	29.70	24	NA	NA
Sulfate	mg/L	Refuge	Interior	Z3	1.16	0.79	0.50	0.90	1.90	0.30	2.70	27	NA	NA
Sulfate	mg/L	Refuge	Interior	Z4	0.47	0.55	0.10	0.30	0.65	0.05	2.60	28	NA	NA
Sulfate	mg/L	Refuge	Outflow	G94B	20.62	15.66	7.45	16.60	26.85	4.00	54.10	21	NA	NA
Sulfate	mg/L	Refuge	Outflow	S10A	30.01	19.56	12.90	27.70	45.80	2.50	73.90	47	NA	NA
Sulfate	mg/L	Refuge	Outflow	S10C	35.69	20.34	20.20	32.85	51.10	3.40	83.70	48	NA	NA
Sulfate	mg/L	Refuge	Outflow	S10D	47.90	23.00	30.35	50.60	63.95	3.70	95.00	49	NA	NA
Sulfate	mg/L	Refuge	Outflow	S39	29.78	18.25	15.03	26.20	45.10	2.30	69.60	66	NA	NA
Sulfate	mg/L	Refuge	Rim	X0	35.39	20.52	19.10	34.30	51.40	3.20	75.30	27	NA	NA
Sulfate	mg/L	Refuge	Rim	Z0	33.82	20.91	17.80	31.00	49.60	3.20	77.40	27	NA	NA
Sulfate	mg/L	WCA2	Inflow	E0	24.33	11.46	19.25	21.80	32.45	4.80	50.20	27	NA	NA
Sulfate	mg/L	WCA2	Inflow	F0	25.09	10.50	18.50	23.40	32.80	7.50	47.50	27	NA	NA
Sulfate	mg/L	WCA2	Inflow	G335	48.63	12.96	38.35	47.50	58.05	0.05	76.40	129	NA	NA
Sulfate	mg/L	WCA2	Inflow	S10A	30.01	19.56	12.90	27.70	45.80	2.50	73.90	47	NA	NA
Sulfate	mg/L	WCA2	Inflow	S10C	35.69	20.34	20.20	32.85	51.10	3.40	83.70	48	NA	NA
Sulfate	mg/L	WCA2	Inflow	S10D	47.90	23.00	30.35	50.60	63.95	3.70	95.00	49	NA	NA
Sulfate	mg/L	WCA2	Inflow	S7	45.35	14.51	36.10	44.65	52.70	15.20	90.90	126	NA	NA
Sulfate	mg/L	WCA2	Interior	404C2	52.66	12.48	47.80	52.00	59.30	20.40	83.20	31	NA	NA
Sulfate	mg/L	WCA2	Interior	CA215	15.47	10.72	6.00	10.60	24.88	4.30	36.50	34	NA	NA
Sulfate	mg/L	WCA2	Interior	CA27	45.70	12.14	36.75	47.30	54.60	6.10	68.90	49	NA	NA
Sulfate	mg/L	WCA2	Interior	CA28	51.50	13.78	43.40	50.40	60.30	21.60	86.00	47	NA	NA
Sulfate	mg/L	WCA2	Interior	CA29	36.37	14.19	28.30	35.90	42.75	6.60	72.90	53	NA	NA
Sulfate	mg/L	WCA2	Interior	E1	23.71	15.45	9.28	21.60	32.38	5.50	56.50	20	NA	NA
Sulfate	mg/L	WCA2	Interior	E2	23.22	15.07	10.85	19.80	31.95	5.20	56.40	17	NA	NA
Sulfate	mg/L	WCA2	Interior	E3	21.74	16.89	8.50	16.60	35.60	3.00	54.30	19	NA	NA
Sulfate	mg/L	WCA2	Interior	E4	22.36	14.38	7.70	22.10	37.50	5.10	45.00	23	NA	NA
Sulfate	mg/L	WCA2	Interior	E5	20.83	16.95	7.80	14.60	27.10	3.30	74.00	23	NA	NA
Sulfate	mg/L	WCA2	Interior	F1	24.41	17.71	11.40	18.90	35.70	2.30	83.70	71	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Sulfate	mg/L	WCA2	Interior	F2	23.98	17.50	11.83	16.95	31.58	3.00	69.80	66	NA	NA
Sulfate	mg/L	WCA2	Interior	F3	22.41	15.48	11.38	15.95	32.98	6.00	55.15	20	NA	NA
Sulfate	mg/L	WCA2	Interior	F4	22.06	20.94	7.88	16.40	31.38	1.80	140.00	72	NA	NA
Sulfate	mg/L	WCA2	Interior	F5	19.71	14.01	7.30	17.30	31.25	4.80	50.10	23	NA	NA
Sulfate	mg/L	WCA2	Interior	N1	53.07	10.99	47.48	53.40	59.58	27.90	73.40	36	NA	NA
Sulfate	mg/L	WCA2	Interior	S145	20.55	15.69	8.80	15.80	28.20	4.00	71.00	60	NA	NA
Sulfate	mg/L	WCA2	Interior	U1	21.83	20.06	9.23	17.65	24.93	5.20	102.00	24	NA	NA
Sulfate	mg/L	WCA2	Interior	U2	28.16	33.79	9.00	17.10	34.41	4.20	149.00	22	NA	NA
Sulfate	mg/L	WCA2	Interior	U3	28.07	34.37	9.95	18.10	30.95	4.10	200.00	52	NA	NA
Sulfate	mg/L	WCA2	Outflow	S11A	33.72	16.48	14.10	37.10	45.40	9.60	64.90	47	NA	NA
Sulfate	mg/L	WCA2	Outflow	S11B	34.61	17.54	18.30	37.10	41.20	10.00	76.50	27	NA	NA
Sulfate	mg/L	WCA2	Outflow	S11C	31.65	17.88	14.40	31.80	43.30	10.00	78.70	37	NA	NA
Sulfate	mg/L	WCA2	Outflow	S34	15.22	10.94	5.58	15.25	20.83	2.30	45.30	20	NA	NA
Sulfate	mg/L	WCA2	Outflow	S38	19.73	14.21	8.30	14.10	26.60	4.30	58.50	75	NA	NA
Sulfate	mg/L	WCA3	Inflow	3AW0	6.59	1.75	6.00	6.45	7.54	2.20	10.00	28	NA	NA
Sulfate	mg/L	WCA3	Inflow	C123SR84	18.37	23.80	5.78	11.00	21.05	3.20	111.00	20	NA	NA
Sulfate	mg/L	WCA3	Inflow	G123	4.52	6.03	1.20	1.70	5.18	0.10	19.40	20	NA	NA
Sulfate	mg/L	WCA3	Inflow	L3BRS	17.56	15.03	6.15	12.25	32.48	3.60	49.70	22	NA	NA
Sulfate	mg/L	WCA3	Inflow	S11A	33.72	16.48	14.10	37.10	45.40	9.60	64.90	47	NA	NA
Sulfate	mg/L	WCA3	Inflow	S11B	34.61	17.54	18.30	37.10	41.20	10.00	76.50	27	NA	NA
Sulfate	mg/L	WCA3	Inflow	S11C	31.65	17.88	14.40	31.80	43.30	10.00	78.70	37	NA	NA
Sulfate	mg/L	WCA3	Inflow	S140	16.15	8.77	10.20	15.70	19.50	2.80	40.40	20	NA	NA
Sulfate	mg/L	WCA3	Inflow	S142	29.58	13.21	15.90	26.30	41.75	11.70	50.00	20	NA	NA
Sulfate	mg/L	WCA3	Inflow	S150	41.17	11.59	33.30	41.30	47.38	15.30	67.20	102	NA	NA
Sulfate	mg/L	WCA3	Inflow	S151	20.33	9.75	14.08	20.05	27.23	5.20	37.90	20	NA	NA
Sulfate	mg/L	WCA3	Inflow	S190	10.62	9.58	5.45	8.40	12.15	0.05	40.00	21	NA	NA
Sulfate	mg/L	WCA3	Inflow	S8	31.11	14.70	19.05	31.90	41.70	5.30	64.00	21	NA	NA
Sulfate	mg/L	WCA3	Inflow	S9	2.18	1.36	1.30	1.70	2.78	0.60	6.50	20	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Sulfate	mg/L	WCA3	Interior	3ANMESO	0.76	1.34	0.05	0.30	0.60	0.05	5.30	27	NA	NA
Sulfate	mg/L	WCA3	Interior	3ASMESO	0.30	0.33	0.05	0.20	0.40	0.05	1.20	27	NA	NA
Sulfate	mg/L	WCA3	Interior	CA311	1.47	3.57	0.30	0.40	1.15	0.05	24.60	50	NA	NA
Sulfate	mg/L	WCA3	Interior	CA315	0.60	2.71	0.05	0.05	0.30	0.05	21.60	69	NA	NA
Sulfate	mg/L	WCA3	Interior	CA316	28.42	13.69	18.70	30.30	39.10	2.70	65.10	61	NA	NA
Sulfate	mg/L	WCA3	Interior	CA317	27.60	9.81	19.55	28.35	34.00	6.40	57.70	74	NA	NA
Sulfate	mg/L	WCA3	Interior	CA318	13.24	15.99	3.40	11.90	18.80	0.05	126.00	71	NA	NA
Sulfate	mg/L	WCA3	Interior	CA32	14.64	16.27	1.08	6.00	31.40	0.20	49.40	34	NA	NA
Sulfate	mg/L	WCA3	Interior	CA33	4.50	8.60	1.25	2.00	2.85	0.80	35.50	29	NA	NA
Sulfate	mg/L	WCA3	Interior	CA34	2.60	2.52	0.75	1.80	3.10	0.05	10.50	38	NA	NA
Sulfate	mg/L	WCA3	Interior	CA35	2.87	1.74	1.50	2.30	3.63	1.00	7.20	20	NA	NA
Sulfate	mg/L	WCA3	Interior	CA36	26.58	21.79	11.50	21.30	35.60	4.90	110.00	29	NA	NA
Sulfate	mg/L	WCA3	Interior	CA38	3.56	12.27	0.33	0.60	1.88	0.05	73.50	36	NA	NA
Sulfate	mg/L	WCA3	Outflow	S12A	4.49	8.47	0.10	0.55	5.93	0.05	34.20	20	NA	NA
Sulfate	mg/L	WCA3	Outflow	S12B	0.20			0.20		0.20	0.20	1	NA	NA
Sulfate	mg/L	WCA3	Outflow	S12C	1.00			1.00		1.00	1.00	1	NA	NA
Sulfate	mg/L	WCA3	Outflow	S12D	3.00			3.00		3.00	3.00	1	NA	NA
Sulfate	mg/L	WCA3	Outflow	S197	14.51	16.78	6.60	10.00	13.20	5.20	75.30	19	NA	NA
Sulfate	mg/L	WCA3	Outflow	S31	11.79	10.26	3.85	7.65	19.70	2.40	39.30	20	NA	NA
Sulfate	mg/L	WCA3	Outflow	S333	12.59	8.37	4.83	14.05	19.00	0.30	29.80	20	NA	NA
Sulfate	mg/L	WCA3	Outflow	S334	2.25	2.05		2.25		0.80	3.70	2	NA	NA
Sulfate	mg/L	WCA3	Outflow	S344	2.77	9.92	0.05	0.05	0.20	0.05	44.10	20	NA	NA
Sulfate	mg/L	WCA3	Outflow	S355A	0.45	0.65	0.05	0.20	0.50	0.05	2.30	19	NA	NA
Sulfate	mg/L	WCA3	Outflow	S355B	3.57	5.65	0.05	1.10	5.30	0.05	21.00	19	NA	NA
Sulfate	mg/L	WCA3	Outflow	US41-25	0.66	1.34	0.05	0.20	0.70	0.05	5.80	19	NA	NA
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S12A	134.40	30.73	109.00	119.00	167.50	106.00	172.00	5	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S12B	125.80	25.92	105.50	111.00	153.50	102.00	160.00	5	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S12C	122.20	23.76	101.50	122.00	143.00	93.00	157.00	5	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S12D	127.33	19.89	111.25	127.50	145.50	97.00	153.00	6	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S176	217.20	2.28	215.00	218.00	219.00	214.00	220.00	5	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S18C	199.33	6.44	196.50	201.00	204.00	185.00	206.00	9	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S332D	216.50	2.12	0.00	216.50	0.00	215.00	218.00	2	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S333	127.14	22.25	111.00	118.00	154.00	98.00	157.00	7	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	US41-25	185.67	26.56	152.75	201.50	203.50	149.00	205.00	6	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	EP	155.96	15.13	144.00	152.50	169.75	129.00	187.00	28	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	NE1	169.47	44.62	132.00	168.00	196.00	82.00	261.00	43	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	NP201	151.66	19.86	135.00	153.00	168.00	116.00	196.00	35	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	P33	174.91	37.66	150.00	173.00	199.00	53.00	241.00	47	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	P34	127.97	20.28	113.75	122.00	143.00	95.00	182.00	34	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	P35	144.39	17.12	132.00	144.00	157.00	115.00	174.00	23	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	P36	162.19	25.10	138.50	158.00	178.50	124.00	222.00	37	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	P37	102.18	13.60	95.50	101.50	110.75	78.00	128.00	22	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	TSB	158.06	42.55	144.50	164.00	184.00	1.00	211.00	32	3.1 \pm 505.9	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	ACME1DS	138.00	21.01	122.25	136.50	147.25	107.00	182.00	12	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	ENR012	219.64	32.72	202.50	224.50	242.00	119.00	297.00	132	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	G300	220.75	68.61	158.50	211.00	280.75	110.00	355.00	132	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	G301	227.96	72.19	159.25	226.50	292.75	102.00	369.00	132	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	G310	212.36	32.64	192.50	216.50	235.00	130.00	295.00	132	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	G94D	174.46	17.14	162.00	174.00	191.00	146.00	202.00	13	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	S362	184.16	48.44	142.00	180.50	221.25	108.00	299.00	132	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX10	40.00	13.39	30.00	34.00	48.00	26.00	76.00	23	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX11	12.33	4.36	9.00	11.00	15.00	7.00	24.00	42	92.9 \pm 653.7	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX12	35.48	9.73	28.25	34.00	41.75	19.00	69.00	56	1.8 \pm 291.1	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX13	16.81	4.79	14.00	15.00	21.00	8.00	27.00	43	72.1 \pm 1125.1	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX14	41.58	18.87	29.50	36.00	47.50	18.00	101.00	53	5.7 \pm 522.1	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX15	76.89	30.42	47.25	77.50	100.50	30.00	152.00	54	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance ± 90%CI	Excursion Category
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX16	39.56	18.24	26.25	34.00	49.75	12.00	80.00	52	9.6 ± 672.4	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX3	9.43	1.13	9.00	10.00	10.00	7.00	10.00	7	100 ± 0	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX4	70.70	29.64	52.50	65.00	80.00	10.00	165.00	33	3 ± 490.8	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX5	8.22	1.99	7.00	8.00	10.00	5.00	11.00	9	100 ± 0	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX6	58.41	25.98	36.00	55.00	76.00	14.00	124.00	41	2.4 ± 396.3	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX7	14.78	9.33	10.00	12.00	16.25	8.00	69.00	46	84.8 ± 871.1	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX8	10.77	4.01	8.00	10.00	12.75	6.00	22.00	48	93.8 ± 574.7	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX9	15.42	3.85	13.00	14.50	16.25	9.00	25.00	26	84.6 ± 1163.9	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	WCA1MESO	14.77	23.46	6.00	9.00	15.00	4.50	129.00	27	88.9 ± 994.8	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	X1	128.07	58.35	71.00	132.00	183.00	46.00	208.00	21	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	X2	55.61	29.79	34.00	45.00	71.00	26.00	125.00	23	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	X3	30.40	11.97	18.00	27.00	41.00	17.00	52.00	25	28 ± 1477.1	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	X4	30.02	9.10	25.00	28.00	36.00	13.00	55.00	27	7.4 ± 829	PC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	Y4	29.96	7.86	25.00	30.00	36.00	14.00	46.00	27	7.4 ± 829	PC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	Z1	149.80	58.97	88.00	147.50	200.00	59.00	229.50	23	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	Z2	83.21	44.05	49.50	73.50	134.75	25.00	155.50	24	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	Z3	38.24	15.11	26.00	36.00	46.00	14.00	67.00	27	7.4 ± 829	PC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	Z4	29.80	8.12	25.00	28.00	36.75	15.00	49.00	28	10.7 ± 961.4	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Outflow	G94B	122.50	36.15	103.25	125.50	141.25	51.00	200.00	12	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Outflow	S10A	107.27	36.94	72.75	107.50	127.25	51.00	206.00	30	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Outflow	S10C	110.83	38.61	78.00	106.00	138.00	47.00	217.00	35	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Outflow	S10D	138.48	40.76	104.50	134.00	168.75	57.00	226.00	52	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Outflow	S39	113.72	34.76	88.00	114.00	134.50	42.00	205.00	57	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Rim	X0	152.17	43.28	121.00	151.00	178.00	73.00	240.00	27	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Rim	Z0	150.07	43.65	117.00	148.00	167.00	73.00	244.00	27	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Inflow	E0	222.46	85.09	173.00	216.00	271.00	61.00	362.00	27	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Inflow	F0	239.70	98.88	161.00	254.00	332.00	72.00	386.00	27	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Inflow	G335	290.01	52.58	255.25	291.50	329.00	151.00	414.00	130	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Total Alkalinity as CaCO ₃	mg/L	WCA2	Inflow	S10A	107.27	36.94	72.75	107.50	127.25	51.00	206.00	30	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Inflow	S10C	110.83	38.61	78.00	106.00	138.00	47.00	217.00	35	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Inflow	S10D	138.48	40.76	104.50	134.00	168.75	57.00	226.00	52	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Inflow	S7	214.76	43.14	190.00	218.00	248.00	118.00	306.00	167	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	404C2	254.95	47.17	222.50	261.00	301.00	129.00	323.00	21	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	CA215	193.41	26.54	174.50	193.50	204.25	144.00	245.00	34	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	CA27	244.59	38.26	225.00	244.00	266.50	152.00	326.00	49	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	CA28	266.30	43.91	238.00	271.00	299.00	158.00	376.00	47	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	CA29	212.96	27.14	197.00	221.00	233.00	126.00	257.00	53	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	E1	202.00	58.69	153.50	190.75	260.25	85.00	313.00	20	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	E2	189.06	53.47	146.00	186.00	233.00	91.00	284.00	17	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	E3	200.55	61.61	155.00	188.00	223.00	104.50	351.00	19	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	E4	174.43	49.95	137.00	170.00	206.00	86.00	282.50	23	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	E5	167.13	34.20	151.00	166.00	191.00	94.00	228.00	23	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	F1	249.95	92.38	186.00	224.00	300.00	109.00	538.00	71	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	F2	217.55	65.18	178.75	205.00	245.25	108.00	426.00	66	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	F3	233.93	70.08	186.25	216.50	266.00	143.00	422.00	20	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	F4	190.69	50.70	154.25	183.00	211.75	107.00	360.00	72	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	F5	217.02	42.52	184.00	212.00	249.00	154.00	306.00	23	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	N1	265.17	36.81	230.75	264.00	288.50	200.00	330.00	24	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	S145	164.69	34.67	139.00	160.00	188.00	106.00	244.00	59	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	U1	154.92	25.06	139.00	158.00	173.75	98.00	196.00	24	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	U2	184.91	34.24	161.25	179.25	206.25	130.00	252.00	22	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Interior	U3	203.47	35.63	176.50	203.50	218.00	152.00	364.00	52	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Outflow	S11A	195.33	36.80	162.00	200.00	218.00	128.00	282.00	43	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Outflow	S11B	192.88	34.18	161.75	186.00	227.25	133.00	252.00	50	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Outflow	S11C	201.67	32.40	174.00	207.00	226.00	130.00	262.00	73	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA2	Outflow	S34	256.60	13.01	246.00	250.00	270.50	243.00	272.00	5	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Total Alkalinity as CaCO ₃	mg/L	WCA2	Outflow	S38	146.10	44.36	110.00	137.00	179.00	76.00	240.00	71	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Inflow	3AW0	170.16	37.31	145.75	179.00	197.00	97.00	227.00	28	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Inflow	C123SR84	212.67	60.43	162.00	200.50	273.25	141.00	301.00	6	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Inflow	G123	311.60	2.97	309.00	312.00	314.00	307.00	315.00	5	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Inflow	L3BRS	196.55	37.55	179.00	195.00	224.50	106.00	304.00	133	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Inflow	S11A	195.33	36.80	162.00	200.00	218.00	128.00	282.00	43	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Inflow	S11B	192.88	34.18	161.75	186.00	227.25	133.00	252.00	50	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Inflow	S11C	201.67	32.40	174.00	207.00	226.00	130.00	262.00	73	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Inflow	S140	195.40	27.09	169.25	198.50	220.25	145.00	230.00	10	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Inflow	S150	207.07	46.35	170.50	210.00	244.00	115.00	319.00	134	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Inflow	S151	255.00	20.47	242.00	246.00	272.50	238.00	290.00	5	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Inflow	S190	131.00	12.73	0.00	131.00	0.00	122.00	140.00	2	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Inflow	S8	198.00	35.95	175.50	197.00	224.75	114.00	279.00	96	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Inflow	S9	260.50	21.19	241.25	268.50	277.25	224.00	278.00	6	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Interior	3ANMESO	141.70	19.54	124.00	138.00	155.00	109.00	182.00	27	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Interior	3ASMESO	137.35	19.85	118.00	141.00	152.00	104.00	186.00	27	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Interior	CA311	151.74	23.48	131.75	148.50	166.50	111.00	206.00	50	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Interior	CA315	150.57	28.21	128.00	152.00	171.50	78.00	228.00	69	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Interior	CA316	213.13	37.04	190.75	210.00	235.25	111.00	303.00	62	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Interior	CA317	177.50	23.09	159.50	177.50	195.25	132.00	227.00	74	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Interior	CA318	186.18	24.90	169.00	189.00	205.00	122.00	240.00	71	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Interior	CA32	169.71	44.54	131.00	170.50	196.25	87.00	294.00	34	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Interior	CA33	142.10	40.18	110.00	130.00	168.00	84.00	232.00	29	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Interior	CA34	172.87	27.96	146.75	176.00	194.75	124.00	226.00	38	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Interior	CA35	143.05	26.29	134.25	142.00	155.75	94.00	188.00	20	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Interior	CA36	199.00	28.74	176.50	199.00	217.50	146.00	274.00	29	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Interior	CA38	130.61	18.11	117.25	126.50	137.50	105.00	190.00	36	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Outflow	S12A	134.40	30.73	109.00	119.00	167.50	106.00	172.00	5	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Total Alkalinity as CaCO ₃	mg/L	WCA3	Outflow	S12B	125.80	25.92	105.50	111.00	153.50	102.00	160.00	5	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Outflow	S12C	122.20	23.76	101.50	122.00	143.00	93.00	157.00	5	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Outflow	S12D	127.33	19.89	111.25	127.50	145.50	97.00	153.00	6	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Outflow	S31	251.40	6.35	246.00	250.00	257.50	245.00	261.00	5	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Outflow	S333	127.14	22.25	111.00	118.00	154.00	98.00	157.00	7	0 \pm 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA3	Outflow	US41-25	185.67	26.56	152.75	201.50	203.50	149.00	205.00	6	0 \pm 0	NC
Total Iron	μ g/L	ENP	Inflow	S12A	108.00	0.00	0.00	108.00	0.00	108.00	108.00	1	0 \pm 0	NC
Total Iron	μ g/L	ENP	Inflow	S12B	140.00	0.00	0.00	140.00	0.00	140.00	140.00	1	0 \pm 0	NC
Total Iron	μ g/L	ENP	Inflow	S12C	206.00	0.00	0.00	206.00	0.00	206.00	206.00	1	0 \pm 0	NC
Total Iron	μ g/L	ENP	Inflow	S12D	113.00	0.00	0.00	113.00	0.00	113.00	113.00	1	0 \pm 0	NC
Total Iron	μ g/L	ENP	Inflow	S176	388.00	0.00	0.00	388.00	0.00	388.00	388.00	1	0 \pm 0	NC
Total Iron	μ g/L	ENP	Inflow	S18C	206.00	0.00	0.00	206.00	0.00	206.00	206.00	1	0 \pm 0	NC
Total Iron	μ g/L	ENP	Inflow	S332D	359.00	62.23	0.00	359.00	0.00	315.00	403.00	2	0 \pm 0	NC
Total Iron	μ g/L	ENP	Inflow	S333	109.00	0.00	0.00	109.00	0.00	109.00	109.00	1	0 \pm 0	NC
Total Iron	μ g/L	ENP	Inflow	US41-25	202.00	0.00	0.00	202.00	0.00	202.00	202.00	1	0 \pm 0	NC
Total Iron	μ g/L	Refuge	Inflow	ACME1DS	197.00	0.00	0.00	197.00	0.00	197.00	197.00	1	0 \pm 0	NC
Total Iron	μ g/L	Refuge	Inflow	G94D	104.00	0.00	0.00	104.00	0.00	104.00	104.00	1	0 \pm 0	NC
Total Iron	μ g/L	Refuge	Interior	LOX10	29.57	17.09	16.00	22.00	35.00	16.00	64.00	7	0 \pm 0	NC
Total Iron	μ g/L	Refuge	Interior	LOX11	69.71	40.80	40.50	57.50	95.50	21.00	160.00	14	0 \pm 0	NC
Total Iron	μ g/L	Refuge	Interior	LOX12	21.55	21.09	11.00	18.00	23.50	5.00	102.00	20	0 \pm 0	NC
Total Iron	μ g/L	Refuge	Interior	LOX13	99.60	74.46	43.00	80.00	124.00	26.00	324.00	15	0 \pm 0	NC
Total Iron	μ g/L	Refuge	Interior	LOX14	63.16	50.47	34.00	42.00	78.00	18.00	224.00	19	0 \pm 0	NC
Total Iron	μ g/L	Refuge	Interior	LOX15	6.85	3.89	4.00	6.50	10.00	1.50	15.00	20	0 \pm 0	NC
Total Iron	μ g/L	Refuge	Interior	LOX16	122.58	65.42	62.00	109.00	170.00	37.00	245.00	19	0 \pm 0	NC
Total Iron	μ g/L	Refuge	Interior	LOX3	58.00	0.00	0.00	58.00	0.00	58.00	58.00	2	0 \pm 0	NC
Total Iron	μ g/L	Refuge	Interior	LOX4	52.45	25.39	27.00	51.00	78.00	17.00	90.00	11	0 \pm 0	NC
Total Iron	μ g/L	Refuge	Interior	LOX5	63.00	33.94	0.00	63.00	0.00	39.00	87.00	2	0 \pm 0	NC
Total Iron	μ g/L	Refuge	Interior	LOX6	111.29	114.79	26.50	66.50	146.25	16.00	387.00	14	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Total Iron	$\mu\text{g/L}$	Refuge	Interior	LOX7	76.79	35.06	49.50	66.50	97.25	41.00	150.00	14	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	Refuge	Interior	LOX8	30.80	10.67	23.00	30.00	37.00	17.00	51.00	15	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	Refuge	Interior	LOX9	32.22	13.07	23.00	32.00	42.50	11.00	53.00	9	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	Refuge	Outflow	S10A	20.40	20.46	8.00	12.00	27.00	5.00	94.00	20	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	Refuge	Outflow	S10C	12.00	10.10	5.00	7.00	17.25	4.00	37.00	20	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	Refuge	Outflow	S10D	17.95	18.15	10.25	14.50	18.00	4.00	91.00	20	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	Refuge	Outflow	S39	22.00	14.31	9.00	16.00	38.00	7.00	48.00	11	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Inflow	S10A	20.40	20.46	8.00	12.00	27.00	5.00	94.00	20	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Inflow	S10C	12.00	10.10	5.00	7.00	17.25	4.00	37.00	20	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Inflow	S10D	17.95	18.15	10.25	14.50	18.00	4.00	91.00	20	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Inflow	S7	22.62	8.83	16.00	20.00	30.00	9.00	41.00	21	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Interior	CA215	10.20	4.71	7.00	8.00	14.50	6.00	18.00	5	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Interior	CA27	8.82	3.40	6.00	9.00	10.00	5.00	16.00	11	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Interior	CA28	15.55	7.78	9.00	15.00	20.00	7.00	33.00	11	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Interior	CA29	15.75	9.77	9.25	12.00	18.00	8.00	41.00	12	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Interior	F1	8.90	5.65	5.00	6.50	12.25	4.00	21.00	10	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Interior	F2	10.33	7.97	4.50	7.00	17.00	3.00	25.00	9	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Interior	F4	7.00	4.60	4.00	6.00	9.00	3.00	19.00	11	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Interior	S145	9.91	5.28	8.00	9.00	10.00	4.00	24.00	11	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Interior	U3	15.67	7.66	10.00	12.00	20.50	9.00	32.00	9	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Outflow	S11A	20.27	16.01	11.00	14.00	26.00	6.00	61.00	11	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Outflow	S11B	20.70	19.91	8.25	13.00	25.25	5.00	91.00	20	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Outflow	S11C	17.55	10.22	10.50	15.00	21.50	5.00	45.00	20	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA2	Outflow	S38	12.36	3.85	11.00	12.00	14.00	4.00	19.00	11	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA3	Inflow	G123	205.00	0.00	0.00	205.00	0.00	205.00	205.00	1	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA3	Inflow	L3BRS	149.57	87.13	82.00	124.00	177.00	62.00	366.00	21	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA3	Inflow	S11A	20.27	16.01	11.00	14.00	26.00	6.00	61.00	11	0 \pm 0	NC
Total Iron	$\mu\text{g/L}$	WCA3	Inflow	S11B	20.70	19.91	8.25	13.00	25.25	5.00	91.00	20	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Total Iron	µg/L	WCA3	Inflow	S11C	17.55	10.22	10.50	15.00	21.50	5.00	45.00	20	0 ± 0	NC
Total Iron	µg/L	WCA3	Inflow	S140	85.00	0.00	0.00	85.00	0.00	85.00	85.00	1	0 ± 0	NC
Total Iron	µg/L	WCA3	Inflow	S150	27.10	11.34	18.50	22.50	39.00	8.00	44.00	20	0 ± 0	NC
Total Iron	µg/L	WCA3	Inflow	S190	49.00	0.00	0.00	49.00	0.00	49.00	49.00	1	0 ± 0	NC
Total Iron	µg/L	WCA3	Inflow	S8	60.91	44.20	26.75	51.00	77.25	14.00	161.00	22	0 ± 0	NC
Total Iron	µg/L	WCA3	Inflow	S9	469.00	0.00	0.00	469.00	0.00	469.00	469.00	1	0 ± 0	NC
Total Iron	µg/L	WCA3	Interior	CA311	246.64	165.92	138.00	174.00	388.00	46.00	578.00	11	0 ± 0	NC
Total Iron	µg/L	WCA3	Interior	CA315	226.87	177.80	100.00	161.00	433.00	42.00	584.00	15	0 ± 0	NC
Total Iron	µg/L	WCA3	Interior	CA316	8.35	9.07	2.25	5.00	9.00	1.50	32.00	13	0 ± 0	NC
Total Iron	µg/L	WCA3	Interior	CA317	8.00	8.64	3.25	5.50	8.50	1.50	36.00	16	0 ± 0	NC
Total Iron	µg/L	WCA3	Interior	CA318	23.53	34.84	8.00	13.00	24.00	6.00	146.00	15	0 ± 0	NC
Total Iron	µg/L	WCA3	Interior	CA32	54.75	33.73	25.50	48.00	75.75	19.00	120.00	8	0 ± 0	NC
Total Iron	µg/L	WCA3	Interior	CA33	103.57	59.54	37.00	106.00	135.00	36.00	207.00	7	0 ± 0	NC
Total Iron	µg/L	WCA3	Interior	CA34	69.63	49.40	25.50	57.50	104.25	22.00	163.00	8	0 ± 0	NC
Total Iron	µg/L	WCA3	Interior	CA35	85.75	27.75	59.50	87.50	110.25	57.00	111.00	4	0 ± 0	NC
Total Iron	µg/L	WCA3	Interior	CA36	128.00	85.57	62.75	107.50	203.00	29.00	269.00	6	0 ± 0	NC
Total Iron	µg/L	WCA3	Interior	CA38	237.88	218.56	70.25	219.50	253.50	52.00	737.00	8	0 ± 0	NC
Total Iron	µg/L	WCA3	Outflow	S12A	108.00	0.00	0.00	108.00	0.00	108.00	108.00	1	0 ± 0	NC
Total Iron	µg/L	WCA3	Outflow	S12B	140.00	0.00	0.00	140.00	0.00	140.00	140.00	1	0 ± 0	NC
Total Iron	µg/L	WCA3	Outflow	S12C	206.00	0.00	0.00	206.00	0.00	206.00	206.00	1	0 ± 0	NC
Total Iron	µg/L	WCA3	Outflow	S12D	113.00	0.00	0.00	113.00	0.00	113.00	113.00	1	0 ± 0	NC
Total Iron	µg/L	WCA3	Outflow	S333	109.00	0.00	0.00	109.00	0.00	109.00	109.00	1	0 ± 0	NC
Total Iron	µg/L	WCA3	Outflow	US41-25	202.00	0.00	0.00	202.00	0.00	202.00	202.00	1	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	S12A	1.49	1.05	0.73	1.15	1.68	0.50	4.90	24	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	S12B	1.52	0.36	1.20	1.50	1.85	1.00	1.90	5	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	S12C	1.38	0.56	0.95	1.20	1.90	0.90	2.30	5	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	S12D	2.02	0.93	1.25	1.85	2.65	1.10	3.70	6	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	S176	1.74	0.39	1.35	1.80	2.10	1.20	2.10	5	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance \pm 90%CI	Excursion Category
Turbidity	NTU	ENP	Inflow	S18C	1.19	0.61	0.85	1.00	1.28	0.60	3.20	28	0 \pm 0	NC
Turbidity	NTU	ENP	Inflow	S332D	1.93	0.42	1.40	2.00	2.20	1.30	2.40	7	0 \pm 0	NC
Turbidity	NTU	ENP	Inflow	S333	1.76	1.21	0.80	1.40	2.53	0.50	5.20	26	0 \pm 0	NC
Turbidity	NTU	ENP	Inflow	S355A	2.32	2.27	1.10	1.30	3.30	0.40	10.20	19	0 \pm 0	NC
Turbidity	NTU	ENP	Inflow	S355B	3.31	3.39	1.00	1.70	5.20	0.50	11.30	19	0 \pm 0	NC
Turbidity	NTU	ENP	Inflow	US41-25	1.95	1.24	1.00	1.60	2.65	0.50	5.30	25	0 \pm 0	NC
Turbidity	NTU	ENP	Interior	EP	1.08	1.06	0.60	0.80	1.00	0.40	5.00	28	0 \pm 0	NC
Turbidity	NTU	ENP	Interior	NE1	1.32	1.11	0.60	0.90	1.50	0.40	4.90	43	0 \pm 0	NC
Turbidity	NTU	ENP	Interior	NP201	1.34	1.39	0.60	0.80	1.40	0.40	7.50	35	0 \pm 0	NC
Turbidity	NTU	ENP	Interior	P33	1.51	1.82	0.60	1.00	1.40	0.40	9.80	47	0 \pm 0	NC
Turbidity	NTU	ENP	Interior	P34	0.91	0.42	0.60	0.80	1.13	0.40	2.20	34	0 \pm 0	NC
Turbidity	NTU	ENP	Interior	P35	1.16	0.60	0.80	1.00	1.30	0.40	2.40	23	0 \pm 0	NC
Turbidity	NTU	ENP	Interior	P36	1.80	1.26	0.80	1.30	2.20	0.30	5.60	37	0 \pm 0	NC
Turbidity	NTU	ENP	Interior	P37	1.15	0.72	0.68	0.90	1.30	0.40	3.00	22	0 \pm 0	NC
Turbidity	NTU	ENP	Interior	TSB	0.89	0.60	0.50	0.70	1.18	0.05	2.60	32	0 \pm 0	NC
Turbidity	NTU	Refuge	Inflow	ACME1DS	3.87	3.88	1.48	2.40	4.48	1.20	12.50	12	0 \pm 0	NC
Turbidity	NTU	Refuge	Inflow	ENR012	4.59	4.95	1.33	2.80	5.93	1.10	16.90	16	0 \pm 0	NC
Turbidity	NTU	Refuge	Inflow	G310	2.93	0.80	2.30	2.90	3.48	1.20	4.30	16	0 \pm 0	NC
Turbidity	NTU	Refuge	Inflow	G94D	4.64	2.55	2.70	3.90	6.50	2.50	9.60	13	0 \pm 0	NC
Turbidity	NTU	Refuge	Interior	LOX10	0.70	0.14	0.60	0.70	0.80	0.50	1.00	23	0 \pm 0	NC
Turbidity	NTU	Refuge	Interior	LOX11	0.76	0.33	0.60	0.70	0.80	0.40	2.20	42	0 \pm 0	NC
Turbidity	NTU	Refuge	Interior	LOX12	0.66	0.31	0.50	0.60	0.70	0.30	2.30	56	0 \pm 0	NC
Turbidity	NTU	Refuge	Interior	LOX13	0.74	0.32	0.60	0.70	0.80	0.30	2.50	43	0 \pm 0	NC
Turbidity	NTU	Refuge	Interior	LOX14	0.59	0.21	0.50	0.60	0.60	0.30	1.30	53	0 \pm 0	NC
Turbidity	NTU	Refuge	Interior	LOX15	0.68	0.33	0.50	0.60	0.73	0.30	2.60	54	0 \pm 0	NC
Turbidity	NTU	Refuge	Interior	LOX16	0.65	0.24	0.50	0.60	0.70	0.30	1.70	52	0 \pm 0	NC
Turbidity	NTU	Refuge	Interior	LOX3	0.94	0.33	0.70	0.90	1.00	0.60	1.60	7	0 \pm 0	NC
Turbidity	NTU	Refuge	Interior	LOX4	0.73	0.26	0.50	0.70	0.90	0.40	1.40	34	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Turbidity	NTU	Refuge	Interior	LOX5	1.03	0.46	0.65	1.10	1.25	0.50	2.00	9	0 \pm 0	NC
Turbidity	NTU	Refuge	Interior	LOX6	0.64	0.20	0.50	0.60	0.80	0.30	1.20	41	0 \pm 0	NC
Turbidity	NTU	Refuge	Interior	LOX7	0.79	0.19	0.70	0.80	0.90	0.30	1.30	46	0 \pm 0	NC
Turbidity	NTU	Refuge	Interior	LOX8	0.89	0.37	0.70	0.80	1.00	0.40	2.80	48	0 \pm 0	NC
Turbidity	NTU	Refuge	Interior	LOX9	0.78	0.21	0.60	0.80	0.90	0.40	1.20	26	0 \pm 0	NC
Turbidity	NTU	Refuge	Outflow	G94B	2.56	2.68	1.20	1.80	2.83	0.60	20.60	66	0 \pm 0	NC
Turbidity	NTU	Refuge	Outflow	S10A	2.60	4.53	0.88	1.10	2.20	0.70	18.10	14	0 \pm 0	NC
Turbidity	NTU	Refuge	Outflow	S10C	1.39	1.12	0.75	1.00	1.35	0.60	4.20	17	0 \pm 0	NC
Turbidity	NTU	Refuge	Outflow	S10D	4.11	9.46	0.90	1.30	2.30	0.70	51.00	31	3.2 \pm 522	MC
Turbidity	NTU	Refuge	Outflow	S39	1.41	1.18	0.80	1.10	1.50	0.40	9.40	91	0 \pm 0	NC
Turbidity	NTU	WCA2	Inflow	G335	1.51	0.84	1.08	1.20	1.65	0.70	4.20	18	0 \pm 0	NC
Turbidity	NTU	WCA2	Inflow	S10A	2.60	4.53	0.88	1.10	2.20	0.70	18.10	14	0 \pm 0	NC
Turbidity	NTU	WCA2	Inflow	S10C	1.39	1.12	0.75	1.00	1.35	0.60	4.20	17	0 \pm 0	NC
Turbidity	NTU	WCA2	Inflow	S10D	4.11	9.46	0.90	1.30	2.30	0.70	51.00	31	3.2 \pm 522	MC
Turbidity	NTU	WCA2	Inflow	S7	1.67	1.07	1.00	1.30	2.05	0.05	8.20	165	0 \pm 0	NC
Turbidity	NTU	WCA2	Interior	CA215	0.77	0.25	0.60	0.70	1.00	0.40	1.40	34	0 \pm 0	NC
Turbidity	NTU	WCA2	Interior	CA27	0.74	0.26	0.60	0.70	0.80	0.40	1.60	49	0 \pm 0	NC
Turbidity	NTU	WCA2	Interior	CA28	1.07	0.80	0.70	0.80	1.10	0.50	5.40	47	0 \pm 0	NC
Turbidity	NTU	WCA2	Interior	CA29	0.72	0.27	0.50	0.60	0.80	0.40	2.10	53	0 \pm 0	NC
Turbidity	NTU	WCA2	Interior	F1	1.17	0.82	0.70	0.90	1.20	0.40	4.10	47	0 \pm 0	NC
Turbidity	NTU	WCA2	Interior	F2	1.12	1.23	0.60	0.80	1.00	0.30	7.70	45	0 \pm 0	NC
Turbidity	NTU	WCA2	Interior	F4	0.65	0.27	0.43	0.60	0.70	0.30	1.50	48	0 \pm 0	NC
Turbidity	NTU	WCA2	Interior	S145	1.27	0.87	0.80	1.10	1.45	0.40	5.40	93	0 \pm 0	NC
Turbidity	NTU	WCA2	Interior	U3	0.60	0.21	0.40	0.60	0.70	0.20	1.10	27	0 \pm 0	NC
Turbidity	NTU	WCA2	Outflow	S11A	1.88	1.10	1.10	1.50	2.20	0.60	6.00	79	0 \pm 0	NC
Turbidity	NTU	WCA2	Outflow	S11B	2.11	2.43	1.00	1.30	2.53	0.50	15.90	50	0 \pm 0	NC
Turbidity	NTU	WCA2	Outflow	S11C	1.86	1.78	1.00	1.20	2.40	0.30	14.10	74	0 \pm 0	NC
Turbidity	NTU	WCA2	Outflow	S34	1.55	0.81	1.00	1.30	2.00	0.50	4.70	89	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Turbidity	NTU	WCA2	Outflow	S38	1.28	0.85	0.78	1.00	1.50	0.30	4.70	106	0 \pm 0	NC
Turbidity	NTU	WCA3	Inflow	C123SR84	2.62	2.40	1.10	2.10	3.10	0.60	14.60	65	0 \pm 0	NC
Turbidity	NTU	WCA3	Inflow	G123	1.48	0.67	1.00	1.40	1.98	0.40	3.10	60	0 \pm 0	NC
Turbidity	NTU	WCA3	Inflow	L3BRS	3.60	2.70	2.00	2.90	4.40	0.60	23.50	133	0 \pm 0	NC
Turbidity	NTU	WCA3	Inflow	S11A	1.88	1.10	1.10	1.50	2.20	0.60	6.00	79	0 \pm 0	NC
Turbidity	NTU	WCA3	Inflow	S11B	2.11	2.43	1.00	1.30	2.53	0.50	15.90	50	0 \pm 0	NC
Turbidity	NTU	WCA3	Inflow	S11C	1.86	1.78	1.00	1.20	2.40	0.30	14.10	74	0 \pm 0	NC
Turbidity	NTU	WCA3	Inflow	S140	2.64	1.40	1.70	2.30	3.35	0.30	7.20	97	0 \pm 0	NC
Turbidity	NTU	WCA3	Inflow	S142	2.28	1.33	1.10	2.00	3.00	0.50	5.80	63	0 \pm 0	NC
Turbidity	NTU	WCA3	Inflow	S150	1.46	0.61	1.00	1.30	1.80	0.60	3.40	134	0 \pm 0	NC
Turbidity	NTU	WCA3	Inflow	S151	1.82	1.18	1.10	1.50	2.15	0.40	7.50	86	0 \pm 0	NC
Turbidity	NTU	WCA3	Inflow	S190	1.64	0.82	1.05	1.40	2.20	0.50	4.30	101	0 \pm 0	NC
Turbidity	NTU	WCA3	Inflow	S8	2.17	1.16	1.33	2.00	2.60	0.80	7.90	96	0 \pm 0	NC
Turbidity	NTU	WCA3	Inflow	S9	3.07	1.01	2.40	2.95	3.70	0.90	6.80	70	0 \pm 0	NC
Turbidity	NTU	WCA3	Interior	CA311	0.86	0.67	0.50	0.70	0.93	0.30	4.50	50	0 \pm 0	NC
Turbidity	NTU	WCA3	Interior	CA315	0.95	1.19	0.50	0.60	0.85	0.20	7.70	69	0 \pm 0	NC
Turbidity	NTU	WCA3	Interior	CA316	0.72	0.39	0.50	0.60	0.80	0.40	3.00	62	0 \pm 0	NC
Turbidity	NTU	WCA3	Interior	CA317	0.63	0.25	0.48	0.60	0.70	0.30	1.50	74	0 \pm 0	NC
Turbidity	NTU	WCA3	Interior	CA318	0.86	0.72	0.60	0.70	0.80	0.40	5.20	71	0 \pm 0	NC
Turbidity	NTU	WCA3	Interior	CA32	0.72	0.24	0.58	0.70	0.80	0.40	1.30	34	0 \pm 0	NC
Turbidity	NTU	WCA3	Interior	CA33	0.76	0.23	0.60	0.70	0.90	0.40	1.40	29	0 \pm 0	NC
Turbidity	NTU	WCA3	Interior	CA34	0.79	0.41	0.50	0.70	0.93	0.40	2.30	38	0 \pm 0	NC
Turbidity	NTU	WCA3	Interior	CA35	0.65	0.26	0.43	0.55	0.80	0.40	1.30	20	0 \pm 0	NC
Turbidity	NTU	WCA3	Interior	CA36	1.02	0.48	0.75	0.80	1.20	0.50	2.50	29	0 \pm 0	NC
Turbidity	NTU	WCA3	Interior	CA38	0.73	0.40	0.50	0.60	0.80	0.40	2.50	36	0 \pm 0	NC
Turbidity	NTU	WCA3	Outflow	S12A	1.49	1.05	0.73	1.15	1.68	0.50	4.90	24	0 \pm 0	NC
Turbidity	NTU	WCA3	Outflow	S12B	1.52	0.36	1.20	1.50	1.85	1.00	1.90	5	0 \pm 0	NC
Turbidity	NTU	WCA3	Outflow	S12C	1.38	0.56	0.95	1.20	1.90	0.90	2.30	5	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Turbidity	NTU	WCA3	Outflow	S12D	2.02	0.93	1.25	1.85	2.65	1.10	3.70	6	0 \pm 0	NC
Turbidity	NTU	WCA3	Outflow	S197	1.58	1.37	0.70	1.20	2.00	0.50	6.60	19	0 \pm 0	NC
Turbidity	NTU	WCA3	Outflow	S31	1.76	1.11	1.00	1.30	2.30	0.60	5.50	73	0 \pm 0	NC
Turbidity	NTU	WCA3	Outflow	S333	1.76	1.21	0.80	1.40	2.53	0.50	5.20	26	0 \pm 0	NC
Turbidity	NTU	WCA3	Outflow	S334	3.11	1.30	1.80	3.10	4.70	1.40	4.70	7	0 \pm 0	NC
Turbidity	NTU	WCA3	Outflow	S344	2.63	2.05	1.10	1.65	4.33	0.30	6.80	20	0 \pm 0	NC
Turbidity	NTU	WCA3	Outflow	S355A	2.32	2.27	1.10	1.30	3.30	0.40	10.20	19	0 \pm 0	NC
Turbidity	NTU	WCA3	Outflow	S355B	3.31	3.39	1.00	1.70	5.20	0.50	11.30	19	0 \pm 0	NC
Turbidity	NTU	WCA3	Outflow	US41-25	1.95	1.24	1.00	1.60	2.65	0.50	5.30	25	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Inflow	S12A	0.00104	0.00107	0.00029	0.00052	0.00227	0.00009	0.00262	246	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Inflow	S12B	0.00097	0.0009	0.00035	0.00067	0.00166	0.0001	0.00259	85	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Inflow	S12C	0.00109	0.0009	0.00035	0.00064	0.00213	0.0001	0.00275	110	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Inflow	S12D	0.00084	0.00068	0.00027	0.00067	0.00137	0.00025	0.00201	165	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Inflow	S176	0.0008	0.00045	0.00048	0.00081	0.00102	0.00007	0.00187	20	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Inflow	S18C	0.00089	0.00048	0.00064	0.00086	0.00093	0.00039	0.00208	261	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Inflow	S332D	0.00091	0.00051	0.00051	0.00092	0.00132	0.00009	0.00166	22	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Inflow	S333	0.00117	0.00085	0.00053	0.00083	0.00193	0.00013	0.00278	261	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Inflow	US41-25	0.00079	0.00042	0.00039	0.00092	0.00115	0.00008	0.00118	86	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	EP	0.00138	0.00099	0.00066	0.00111	0.00193	0.00012	0.00378	44	46.2 \pm 352.3	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	NE1	0.00118	0.00258	0.00025	0.00038	0.00055	0.00011	0.01334	51	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	NP201	0.0011	0.00088	0.00042	0.00106	0.00145	0.00028	0.005	46	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	P33	0.00124	0.00139	0.00029	0.00067	0.00159	0.0001	0.00573	53	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	P34	0.00092	0.00052	0.00057	0.00079	0.00115	0.00034	0.00247	42	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	P35	0.00054	0.00042	0.00023	0.00046	0.00073	0.0001	0.00204	36	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	P36	0.00181	0.00344	0.00052	0.00078	0.00131	0.00025	0.01677	49	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	P37	0.00147	0.00091	0.00087	0.00145	0.00207	0.00013	0.00341	36	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	TSB	0.00096	0.00096	0.00025	0.00047	0.00141	0.00005	0.0032	35	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Inflow	ACME1DS	0.00052	0.00042	0.00023	0.00041	0.0007	0.00006	0.00147	12	0 \pm 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance \pm 90%CI	Excursion Category
Unionized Ammonia	µg/L	Refuge	Inflow	ENR012	0.00391	0.00285	0.00201	0.00319	0.00449	0.00002	0.0169	262	0 ± 1608.1	NC
Unionized Ammonia	µg/L	Refuge	Inflow	G310	0.00454	0.00245	0.00286	0.00406	0.00571	0.00113	0.01439	262	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Inflow	G94D	0.00172	0.00156	0.00031	0.00115	0.00323	0.00024	0.00442	13	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Inflow	S362	0.0058	0.00666	0.00174	0.00384	0.00745	0.00036	0.05049	262	0 ± 0	MC
Unionized Ammonia	µg/L	Refuge	Interior	LOX10	0.00006	0.00005	0.00002	0.00004	0.00008	0.00001	0.00021	43	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	LOX11	0.00003	0.00005	0.00001	0.00001	0.00003	0	0.00021	56	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	LOX12	0.00011	0.00028	0.00002	0.00003	0.00006	0.00001	0.00155	56	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	LOX13	0.00003	0.00003	0.00001	0.00002	0.00004	0	0.0001	50	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	LOX14	0.00003	0.00003	0.00001	0.00002	0.00004	0	0.00014	55	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	LOX15	0.0002	0.00029	0.00005	0.00012	0.00025	0	0.00156	55	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	LOX16	0.00004	0.00004	0.00001	0.00003	0.00005	0	0.00024	54	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	LOX3	0.00007	0.00011	0.00001	0.00003	0.00012	0.00001	0.00028	35	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	LOX4	0.00006	0.00005	0.00002	0.00005	0.00007	0	0.0002	48	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	LOX5	0.00001	0.00001	0.00001	0.00001	0.00002	0.00001	0.00002	37	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	LOX6	0.00018	0.0004	0.00005	0.00009	0.00017	0.00001	0.00251	50	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	LOX7	0.00003	0.00006	0.00001	0.00001	0.00002	0	0.00033	55	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	LOX8	0.00002	0.00002	0.00001	0.00001	0.00002	0	0.00008	56	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	LOX9	0.00003	0.00002	0.00001	0.00002	0.00003	0	0.00008	44	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	WCA1MESO	0.00009	0.00017	0.00001	0.00003	0.0001	0	0.00083	27	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	X1	0.00043	0.00074	0.00009	0.00017	0.00045	0.00004	0.00318	23	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	X2	0.00003	0.00003	0.00001	0.00002	0.00004	0.00001	0.00014	23	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	X3	0.00002	0.00002	0.00001	0.00001	0.00002	0	0.00008	25	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	X4	0.00009	0.00018	0.00002	0.00004	0.00008	0	0.00086	29	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	Y4	0.00003	0.00005	0.00001	0.00001	0.00003	0	0.00019	27	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	Z1	0.00013	0.00015	0.00004	0.00007	0.00018	0.00001	0.00064	25	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	Z2	0.00005	0.00007	0.00002	0.00002	0.00007	0.00001	0.00031	24	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Interior	Z3	0.00004	0.00004	0.00001	0.00002	0.00005	0	0.00018	27	#REF!	NC
Unionized Ammonia	µg/L	Refuge	Interior	Z4	0.00007	0.00013	0.00001	0.00002	0.00004	0.00001	0.00048	28	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Unionized Ammonia	µg/L	Refuge	Outflow	G94B	0.00039	0.00051	0.00008	0.00012	0.00081	0.00001	0.00135	66	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Outflow	S10A	0.00064	0.00041	0.00003	0.00056	0.00086	0.00003	0.00176	52	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Outflow	S10C	0.00093	0.00073	0.00039	0.00083	0.00121	0.00003	0.00334	56	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Outflow	S10D	0.00093	0.00067	0.00046	0.00078	0.00138	0.00003	0.00333	72	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Outflow	S39	0.00092	0.00073	0.00041	0.00068	0.00116	0.00009	0.00327	91	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Rim	X0	0.00061	0.00044	0.00029	0.00052	0.00079	0.00003	0.00193	27	0 ± 0	NC
Unionized Ammonia	µg/L	Refuge	Rim	Z0	0.00049	0.00042	0.00022	0.00031	0.00071	0.00006	0.0015	26	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Inflow	E0	0.01834	0.01851	0.00312	0.01172	0.02944	0.00023	0.06657	28	0 ± 0	C
Unionized Ammonia	µg/L	WCA2	Inflow	F0	0.02073	0.01871	0.00132	0.01892	0.03852	0.0003	0.05775	28	3.1 ± 0	C
Unionized Ammonia	µg/L	WCA2	Inflow	G335	0.00348	0.00263	0.00172	0.00297	0.00423	0.00034	0.01812	261	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Inflow	S10A	0.00064	0.00041	0.00003	0.00056	0.00086	0.00003	0.00176	52	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Inflow	S10C	0.00093	0.00073	0.00039	0.00083	0.00121	0.00003	0.00334	56	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Inflow	S10D	0.00093	0.00067	0.00046	0.00078	0.00138	0.00003	0.00333	72	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Inflow	S7	0.00226	0.00228	0.00074	0.00177	0.00307	0.00003	0.0168	252	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	404C2	0.00056	0.00033	0.00028	0.00051	0.00075	0.00013	0.00128	35	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	CA215	0.00108	0.00094	0.00054	0.00083	0.0012	0.0002	0.00506	42	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	CA27	0.00048	0.00031	0.00027	0.00041	0.00074	0.00004	0.00147	62	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	CA28	0.00063	0.00048	0.00035	0.00048	0.0008	0.0001	0.00273	60	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	CA29	0.0009	0.00046	0.00054	0.00078	0.00123	0.00019	0.00195	68	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	E1	0.00061	0.00114	0.00011	0.00019	0.00031	0.00005	0.00412	22	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	E2	0.00068	0.00187	0.00008	0.00015	0.00026	0.00004	0.00715	17	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	E3	0.00027	0.00024	0.00012	0.0002	0.00035	0.00006	0.00102	20	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	E4	0.00016	0.00009	0.00009	0.00013	0.00025	0.00004	0.00035	24	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	E5	0.00059	0.00074	0.00023	0.0004	0.00056	0.00014	0.00343	24	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	F1	0.00229	0.0089	0.00018	0.00024	0.00054	0.00005	0.06709	86	0 ± 0	MC
Unionized Ammonia	µg/L	WCA2	Interior	F2	0.00043	0.00123	0.00014	0.0002	0.00034	0.00003	0.00945	76	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	F3	0.00078	0.00179	0.00017	0.00021	0.00046	0.00008	0.00753	20	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	F4	0.00023	0.00022	0.00009	0.00018	0.00027	0.00003	0.00141	90	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Unionized Ammonia	µg/L	WCA2	Interior	F5	0.00091	0.00101	0.00022	0.00044	0.00129	0.00013	0.0037	23	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	N1	0.00065	0.00065	0.00028	0.00039	0.00095	0.00011	0.00289	42	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	S145	0.00096	0.00157	0.00029	0.00054	0.00096	0.00001	0.00897	94	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	U1	0.00069	0.00129	0.00023	0.00032	0.00049	0.00014	0.0059	25	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	U2	0.00087	0.00086	0.00035	0.00043	0.00129	0.00018	0.0034	22	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Interior	U3	0.00163	0.00222	0.00054	0.00089	0.00159	0.00027	0.01043	55	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Outflow	S11A	0.00123	0.00123	0.00058	0.00094	0.00123	0.00006	0.00559	80	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Outflow	S11B	0.00104	0.00111	0.00047	0.00079	0.00115	0.00009	0.00667	56	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Outflow	S11C	0.00086	0.00088	0.00038	0.00059	0.00111	0.00002	0.00576	79	0 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Outflow	S34	0.00339	0.00224	0.00141	0.00294	0.0056	0.00081	0.0065	89	2.5 ± 0	NC
Unionized Ammonia	µg/L	WCA2	Outflow	S38	0.00083	0.00117	0.00014	0.00039	0.00094	0.00001	0.00527	106	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Inflow	3AW0	0.00088	0.00058	0.00043	0.00082	0.00126	0.00013	0.00224	28	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Inflow	C123SR84	0.00063	0.00065	0.00021	0.00034	0.00117	0.00009	0.0018	65	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Inflow	G123	0.01075	0.00214	0.00918	0.01141	0.012	0.00698	0.01217	101	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Inflow	L3BRS	0.00194	0.00144	0.00084	0.00155	0.00263	0.00022	0.00783	196	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Inflow	S11A	0.00123	0.00123	0.00058	0.00094	0.00123	0.00006	0.00559	80	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Inflow	S11B	0.00104	0.00111	0.00047	0.00079	0.00115	0.00009	0.00667	56	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Inflow	S11C	0.00086	0.00088	0.00038	0.00059	0.00111	0.00002	0.00576	79	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Inflow	S140	0.00087	0.00067	0.00035	0.00068	0.00131	0.0001	0.00239	262	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Inflow	S150	0.00268	0.00274	0.00097	0.00202	0.00329	0.00002	0.01884	159	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Inflow	S151	0.00292	0.00147	0.00167	0.00357	0.00384	0.00036	0.00385	86	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Inflow	S190	0.00035	0.00018	0.0002	0.0003	0.0005	0.00011	0.00065	259	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Inflow	S8	0.00235	0.00196	0.00116	0.00204	0.0029	0.00013	0.01445	260	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Inflow	S9	0.00639	0.00244	0.00452	0.00599	0.00825	0.00346	0.01053	260	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Interior	3ANMESO	0.0002	0.00021	0.00007	0.00012	0.00023	0.00002	0.00087	27	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Interior	3ASMESO	0.00027	0.00038	0.00007	0.00014	0.00033	0.00002	0.00188	28	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Interior	CA311	0.0004	0.00036	0.00017	0.00032	0.00047	0.00004	0.00211	72	0 ± 0	NC
Unionized Ammonia	µg/L	WCA3	Interior	CA315	0.00021	0.0005	0.00005	0.00009	0.00017	0.00001	0.00393	76	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance $\pm 90\%CI$	Excursion Category
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Interior	CA316	0.00029	0.00018	0.00014	0.00027	0.0004	0.00003	0.00078	71	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Interior	CA317	0.00064	0.00075	0.00036	0.00045	0.00066	0.00005	0.00451	81	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Interior	CA318	0.00018	0.00019	0.00008	0.00013	0.00022	0.00002	0.00138	77	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Interior	CA32	0.00046	0.00029	0.00025	0.00045	0.00057	0.00009	0.00128	51	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Interior	CA33	0.00014	0.00012	0.00007	0.0001	0.00017	0.00004	0.00063	41	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Interior	CA34	0.00019	0.00016	0.0001	0.00014	0.00025	0.00002	0.00091	56	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Interior	CA35	0.00018	0.0001	0.0001	0.00016	0.00026	0.00002	0.00043	31	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Interior	CA36	0.0002	0.0001	0.00014	0.0002	0.00026	0.00004	0.00038	45	0 \pm 1534.7	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Interior	CA38	0.00021	0.00018	0.00008	0.00017	0.00025	0.00002	0.00077	55	34.6 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Outflow	S12A	0.00104	0.00107	0.00029	0.00052	0.00227	0.00009	0.00262	246	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Outflow	S12B	0.00097	0.0009	0.00035	0.00067	0.00166	0.0001	0.00259	85	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Outflow	S12C	0.00109	0.0009	0.00035	0.00064	0.00213	0.0001	0.00275	110	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Outflow	S12D	0.00084	0.00068	0.00027	0.00067	0.00137	0.00025	0.00201	165	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Outflow	S197	0.00139	0	0	0.00139	0	0.00139	0.00139	26	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Outflow	S31	0.00428	0.00126	0.00305	0.00496	0.00518	0.00228	0.00518	73	0 \pm 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Outflow	S333	0.00117	0.00085	0.00053	0.00083	0.00193	0.00013	0.00278	261	0 \pm 232.5	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA3	Outflow	US41-25	0.00079	0.00042	0.00039	0.00092	0.00115	0.00008	0.00118	86	0 \pm 0	NC

Min. – minimum

Max. – maximum

Refuge – Arthur R. Marshall Loxahatchee National Wildlife Refuge

ENP – Everglades National Park

WCA-2 – Water Conservation Area 2

WCA-3 – Water Conservation Area 3

$\mu\text{g/L}$ – micrograms per liter

mg/L – milligrams per liter

NTU – nephelometric turbidity unit

$\mu\text{mhos/cm}$ – micromhos per centimeter

CaCO_3 – calcium carbonate

SP – Specific