

Appendix 3A-2: Water Year 2007–2011 Water Quality Monitoring Results at Individual Stations

Florida Department of Environmental Protection¹

¹ Florida Department of Environmental Protection, Division of Environmental Assessment and Restoration, Environmental Assessment and Support Program, Tallahassee, FL

Table 1. Summary of Water Years 2007–2011 (May 1, 2006–April 30, 2011) 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	Excursion Category
Dissolved Oxygen	mg/L	ENP	Inflow	S12A	4.66	1.64	3.44	4.20	5.37	1.69	13.80	157	NA	NA
Dissolved Oxygen	mg/L	ENP	Inflow	S12B	4.27	1.53	3.05	3.72	5.06	2.03	8.85	74	NA	NA
Dissolved Oxygen	mg/L	ENP	Inflow	S12C	4.10	1.69	2.65	3.90	5.00	1.48	9.32	124	NA	NA
Dissolved Oxygen	mg/L	ENP	Inflow	S12D	4.37	1.65	2.97	3.98	4.98	1.86	14.00	115	NA	NA
Dissolved Oxygen	mg/L	ENP	Inflow	S176	4.57	2.15	2.98	4.98	6.50	0.42	8.68	68	NA	NA
Dissolved Oxygen	mg/L	ENP	Inflow	S18C	6.10	2.41	4.07	5.93	8.04	1.45	12.20	194	NA	NA
Dissolved Oxygen	mg/L	ENP	Inflow	S332D	4.35	2.16	2.93	4.51	6.00	0.26	9.31	63	NA	NA
Dissolved Oxygen	mg/L	ENP	Inflow	S333	4.30	1.67	3.08	4.07	5.12	1.53	15.30	205	NA	NA
Dissolved Oxygen	mg/L	ENP	Inflow	S355A	6.69	1.84	5.34	6.28	7.72	4.15	14.30	35	NA	NA
Dissolved Oxygen	mg/L	ENP	Inflow	S355B	5.89	2.19	4.23	5.41	7.14	2.16	12.10	34	NA	NA
Dissolved Oxygen	mg/L	ENP	Inflow	US41-25	3.52	1.48	2.51	3.04	3.91	1.30	8.57	78	NA	NA
Dissolved Oxygen	mg/L	ENP	Interior	EP	7.80	1.53	6.70	7.45	8.68	5.05	10.90	31	NA	NA
Dissolved Oxygen	mg/L	ENP	Interior	NE1	2.92	1.53	1.75	2.55	3.70	0.62	8.25	41	NA	NA
Dissolved Oxygen	mg/L	ENP	Interior	NP201	5.43	1.62	4.29	5.12	6.21	2.18	8.73	34	NA	NA
Dissolved Oxygen	mg/L	ENP	Interior	P33	4.19	1.38	3.16	4.21	4.69	1.71	7.83	41	NA	NA
Dissolved Oxygen	mg/L	ENP	Interior	P34	5.97	1.47	4.70	6.15	7.26	3.00	9.01	31	NA	NA
Dissolved Oxygen	mg/L	ENP	Interior	P35	3.84	1.20	3.02	3.37	4.85	2.02	5.95	27	NA	NA
Dissolved Oxygen	mg/L	ENP	Interior	P36	4.03	0.97	3.30	4.05	4.70	2.08	6.41	39	NA	NA
Dissolved Oxygen	mg/L	ENP	Interior	P37	7.03	1.93	6.26	7.44	8.42	2.54	10.40	26	NA	NA
Dissolved Oxygen	mg/L	ENP	Interior	S12C10	2.30	1.43	0.86	2.44	3.00	0.36	4.81	8	NA	NA
Dissolved Oxygen	mg/L	ENP	Interior	S12C2	5.05	1.19	4.10	4.78	6.14	3.48	6.71	5	NA	NA
Dissolved Oxygen	mg/L	ENP	Interior	S12C6	5.38	2.08	3.90	4.83	7.15	3.29	8.82	5	NA	NA
Dissolved Oxygen	mg/L	ENP	Interior	T24	5.49	1.58	3.98	5.48	7.01	3.86	7.65	5	NA	NA
Dissolved Oxygen	mg/L	ENP	Interior	T33	3.79	0.93	2.90	4.01	4.55	2.18	4.63	7	NA	NA
Dissolved Oxygen	mg/L	ENP	Interior	TSB	3.15	1.55	2.05	2.67	4.98	1.66	6.84	30	NA	NA
Dissolved Oxygen	mg/L	Refuge	Inflow	ACME1DS	5.92	1.71	4.77	6.26	7.07	2.30	8.40	26	NA	NA
Dissolved Oxygen	mg/L	Refuge	Inflow	ENR012	1.94	1.61	0.86	1.72	3.20	0.02	10.80	204	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Dissolved Oxygen	mg/L	Refuge	Inflow	G300	4.94	2.24	3.43	4.97	6.70	0.84	14.30	202	NA	NA
Dissolved Oxygen	mg/L	Refuge	Inflow	G301	4.53	2.03	3.12	4.83	6.35	0.68	11.60	204	NA	NA
Dissolved Oxygen	mg/L	Refuge	Inflow	G310	4.29	1.96	3.04	4.38	5.83	0.38	11.50	205	NA	NA
Dissolved Oxygen	mg/L	Refuge	Inflow	G94D	4.18	1.71	3.08	4.02	5.26	1.02	9.00	27	NA	NA
Dissolved Oxygen	mg/L	Refuge	Inflow	S362	5.95	1.99	4.44	6.05	7.37	1.14	12.00	204	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOX10	4.53	1.97	3.10	4.05	6.22	1.33	10.60	33	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOX11	4.19	2.03	2.51	3.93	5.51	0.89	9.14	43	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOX12	4.81	1.72	3.16	4.74	5.91	1.77	9.22	45	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOX13	4.69	1.86	3.30	4.47	5.81	1.07	8.75	42	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOX14	4.26	1.78	2.58	4.31	5.42	0.59	8.59	44	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOX15	4.85	1.96	3.06	4.72	6.23	1.49	9.80	43	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOX16	3.16	1.70	1.41	2.72	3.95	0.23	7.78	43	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOX3	4.55	2.19	2.81	3.67	5.87	1.77	9.18	25	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOX4	4.11	1.95	2.52	4.02	5.26	1.02	9.12	33	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOX5	4.87	1.73	3.47	4.11	6.10	2.44	8.84	26	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOX6	3.88	1.64	2.73	3.32	4.60	1.50	8.43	41	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOX7	4.99	2.00	3.15	4.76	6.35	1.74	10.70	39	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOX8	4.97	2.16	2.94	4.45	6.18	1.33	10.60	41	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOX9	4.84	1.76	3.24	4.28	5.71	1.56	8.88	32	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOXA105	2.54	1.53	1.52	2.55	4.19	0.57	5.45	22	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOXA106	3.67	2.11	2.37	3.42	6.60	0.69	7.60	22	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOXA107	3.35	1.81	1.89	3.28	5.19	1.17	7.10	16	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOXA108	5.16	2.16	4.44	5.77	7.99	1.25	9.11	20	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOXA136	2.89	1.77	1.42	3.36	5.08	0.22	6.42	22	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOXA137	3.92	2.54	2.18	3.67	6.30	0.43	9.43	22	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOXA138	5.65	2.71	3.06	6.67	8.52	1.59	9.98	20	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	LOXA139	5.75	2.53	3.64	5.97	9.01	1.16	9.67	18	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	WCA1MESO	5.69	1.83	4.22	5.67	6.86	1.32	9.61	37	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	X1	0.72	0.67	0.21	0.49	0.97	0.09	2.37	25	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	X2	2.13	1.40	1.00	1.80	2.72	0.37	6.48	31	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	X3	2.25	1.19	1.31	1.96	3.13	0.21	5.54	33	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	X4	3.62	2.05	2.23	3.29	4.65	0.34	7.95	38	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Dissolved Oxygen	mg/L	Refuge	Interior	Y4	3.24	1.31	2.22	3.04	4.22	0.80	5.87	38	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	Z1	0.90	0.97	0.19	0.52	1.39	0.10	3.57	33	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	Z2	1.92	1.37	1.05	1.53	2.45	0.57	8.02	33	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	Z3	3.99	1.70	2.39	3.94	5.16	1.16	8.02	39	NA	NA
Dissolved Oxygen	mg/L	Refuge	Interior	Z4	4.33	1.62	2.78	4.30	5.80	1.98	7.66	39	NA	NA
Dissolved Oxygen	mg/L	Refuge	Outflow	G94B	4.44	1.67	3.09	4.63	5.50	1.18	7.53	50	NA	NA
Dissolved Oxygen	mg/L	Refuge	Outflow	S10A	5.67	1.99	4.12	5.72	7.37	2.17	8.84	33	NA	NA
Dissolved Oxygen	mg/L	Refuge	Outflow	S10C	5.80	1.73	4.66	5.94	7.14	2.18	8.72	36	NA	NA
Dissolved Oxygen	mg/L	Refuge	Outflow	S10D	5.15	2.00	3.74	5.10	6.44	1.64	9.05	60	NA	NA
Dissolved Oxygen	mg/L	Refuge	Outflow	S39	5.84	2.17	4.42	6.07	7.61	0.90	9.73	63	NA	NA
Dissolved Oxygen	mg/L	Refuge	Rim	LOXA104	5.11	2.00	4.21	5.42	6.50	0.52	8.80	27	NA	NA
Dissolved Oxygen	mg/L	Refuge	Rim	LOXA135	4.43	1.99	2.83	5.19	6.25	1.07	8.68	26	NA	NA
Dissolved Oxygen	mg/L	Refuge	Rim	X0	4.86	1.74	3.40	5.25	6.38	1.34	7.86	38	NA	NA
Dissolved Oxygen	mg/L	Refuge	Rim	Z0	4.72	1.88	3.37	4.92	6.35	1.12	7.84	37	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Inflow	E0	3.08	1.70	1.90	2.67	4.21	0.50	7.01	38	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Inflow	F0	2.59	1.98	0.92	2.03	3.73	0.12	7.32	38	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Inflow	G335	4.37	1.67	3.22	4.54	5.63	0.78	8.69	204	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Inflow	S10A	5.67	1.99	4.12	5.72	7.37	2.17	8.84	33	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Inflow	S10C	5.80	1.73	4.66	5.94	7.14	2.18	8.72	36	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Inflow	S10D	5.15	2.00	3.74	5.10	6.44	1.64	9.05	60	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Inflow	S7	4.63	2.03	3.20	4.50	6.17	0.42	9.62	205	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	404C2	4.02	1.86	2.56	3.13	5.08	0.77	8.04	24	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	404Z1	6.72	NA	0.00	6.72	0.00	6.72	6.72	1	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	CA215	5.98	2.21	4.26	5.77	7.20	1.87	11.70	55	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	CA217	3.85	NA	0.00	3.85	0.00	3.85	3.85	1	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	CA222	4.52	NA	0.00	4.52	0.00	4.52	4.52	1	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	CA224	1.95	NA	0.00	1.95	0.00	1.95	1.95	1	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	CA27	4.08	1.81	2.53	3.49	5.10	0.82	8.36	57	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	CA28	3.14	1.94	1.68	2.54	4.23	0.49	9.78	51	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	CA29	5.24	2.02	3.27	4.71	6.40	1.54	9.71	60	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	E1	1.40	1.15	0.45	1.17	2.03	0.15	4.17	30	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	E2	1.11	0.86	0.49	1.14	1.49	0.08	3.25	19	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Dissolved Oxygen	mg/L	WCA-2	Interior	E3	1.54	1.17	0.51	1.21	2.63	0.15	3.88	25	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	E4	2.12	1.52	0.73	1.56	3.37	0.37	5.10	31	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	E5	3.52	1.61	2.22	3.36	4.70	0.67	6.97	33	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	F1	2.89	2.02	1.22	2.16	3.97	0.29	7.60	81	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	F2	2.20	1.77	1.09	1.79	2.75	0.06	8.96	77	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	F3	2.18	1.65	1.01	2.00	2.97	0.24	6.83	29	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	F4	2.91	1.78	1.47	2.73	3.90	0.30	7.72	88	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	F5	3.35	1.60	2.36	3.37	4.43	0.52	7.88	31	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	N1	2.64	2.00	1.19	2.98	4.01	0.21	8.20	24	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	S145	4.21	1.51	3.17	4.01	5.25	1.61	8.61	73	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	U1	3.34	1.64	1.92	3.09	4.45	0.75	6.60	35	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	U2	4.55	1.58	3.14	4.04	5.66	2.58	7.96	30	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Interior	U3	4.37	1.51	3.15	4.13	5.28	2.10	8.80	42	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Outflow	S11A	5.93	1.60	4.74	5.72	6.96	1.50	9.43	68	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Outflow	S11B	5.15	1.50	3.53	4.64	6.16	2.81	9.19	50	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Outflow	S11C	4.10	1.73	2.62	3.88	5.35	0.86	7.46	65	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Outflow	S34	5.52	1.86	3.80	5.53	6.73	0.69	9.03	64	NA	NA
Dissolved Oxygen	mg/L	WCA-2	Outflow	S38	3.34	1.59	2.18	3.10	4.24	1.03	8.38	70	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	3AE0	4.75	2.21	2.66	5.36	6.53	1.37	7.13	5	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	3AW0	5.90	2.14	4.75	5.89	7.82	0.94	8.94	37	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	C123SR84	4.48	2.23	2.37	4.38	6.45	0.64	9.72	56	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	G123	2.96	1.61	1.56	2.78	3.88	0.29	6.71	127	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	G204	2.63	2.01	1.04	2.07	3.95	0.28	7.59	16	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	G205	3.42	2.27	1.27	2.73	5.53	0.36	7.47	16	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	G206	4.02	1.82	2.42	3.61	5.44	1.44	8.12	16	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	L3BRS	5.42	2.12	3.50	5.60	7.05	0.57	9.37	115	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	S11A	5.93	1.60	4.74	5.72	6.96	1.50	9.43	68	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	S11B	5.15	1.50	3.53	4.64	6.16	2.81	9.19	50	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	S11C	4.10	1.73	2.62	3.88	5.35	0.86	7.46	65	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	S140	5.07	2.32	2.72	4.77	7.08	1.30	10.40	207	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	S142	4.46	1.61	3.34	4.04	5.11	1.44	8.93	49	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	S150	4.83	2.04	3.31	4.94	6.23	0.68	9.72	135	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Dissolved Oxygen	mg/L	WCA-3	Inflow	S151	4.10	1.60	2.67	3.67	4.89	1.55	8.77	65	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	S190	6.26	2.38	4.16	6.50	8.14	0.85	10.70	201	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	S8	5.45	1.93	3.93	5.51	6.87	0.42	11.40	205	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Inflow	S9	2.23	1.18	1.25	2.11	3.17	0.22	5.42	204	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	3AE05	1.47	1.01	0.71	1.09	2.61	0.71	2.61	3	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	3AE10	0.93	0.11	0.81	0.95	1.03	0.81	1.03	3	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	3AE15	1.19	0.18	0.99	1.26	1.33	0.99	1.33	3	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	3AE20	2.54	1.49	1.30	2.43	3.84	0.97	4.89	5	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	3AE40	5.39	1.05	4.41	5.49	6.32	3.82	6.53	5	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	3ANMESO	2.83	1.51	1.59	2.74	3.58	0.92	7.55	36	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	3ASMESO	3.60	1.82	2.07	3.70	4.96	0.95	7.90	37	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	3AW05	1.78	2.35	0.42	0.43	4.49	0.42	4.49	3	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	3AW10	0.82	0.05	0.77	0.85	0.85	0.77	0.85	3	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	3AW15	3.03	1.74	1.08	3.60	4.41	1.08	4.41	3	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	3AW20	1.19	0.48	0.74	1.20	1.64	0.60	1.78	4	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	3AW40	5.88	1.87	4.16	5.57	7.76	3.53	8.02	5	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA311	4.98	1.68	3.78	4.98	6.03	1.09	10.30	68	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA314	8.37	NA	0.00	8.37	0.00	8.37	8.37	1	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA315	3.72	1.90	2.12	3.37	5.01	0.77	11.30	77	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA316	3.03	1.70	1.57	2.71	3.75	0.54	8.16	68	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA317	5.56	2.40	3.64	5.01	6.98	0.52	13.10	82	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA318	3.07	1.86	1.41	2.88	4.29	0.22	10.20	77	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA319	7.04	NA	0.00	7.04	0.00	7.04	7.04	1	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA32	5.40	1.83	3.64	4.66	6.39	2.43	9.90	43	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA325	5.60	NA	0.00	5.60	0.00	5.60	5.60	1	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA33	3.90	1.67	2.38	3.80	5.15	1.09	7.91	36	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA34	4.24	1.73	3.01	3.75	5.15	1.00	9.44	45	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA35	3.90	1.35	2.91	3.71	4.68	1.24	6.84	26	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA36	3.76	2.39	1.86	2.99	5.16	0.65	10.00	34	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA38	3.42	1.68	1.94	2.83	4.39	0.79	7.70	47	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA3B1	8.52	NA	0.00	8.52	0.00	8.52	8.52	1	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Interior	CA3B2	5.42	NA	0.00	5.42	0.00	5.42	5.42	1	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Dissolved Oxygen	mg/L	WCA-3	Interior	S345B6	4.29	2.34	2.78	3.52	7.13	0.73	8.24	11	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Outflow	S12A	4.66	1.64	3.44	4.20	5.37	1.69	13.80	157	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Outflow	S12B	4.27	1.53	3.05	3.72	5.06	2.03	8.85	74	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Outflow	S12C	4.10	1.69	2.65	3.90	5.00	1.48	9.32	124	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Outflow	S12D	4.37	1.65	2.97	3.98	4.98	1.86	14.00	115	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Outflow	S197	7.17	1.99	4.61	6.92	8.51	4.11	10.90	15	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Outflow	S31	3.69	1.75	2.20	3.45	4.54	0.71	8.99	53	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Outflow	S333	4.30	1.67	3.08	4.07	5.12	1.53	15.30	205	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Outflow	S334	5.47	1.94	4.34	6.21	6.75	0.20	8.10	24	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Outflow	S344	4.24	1.86	2.53	3.62	5.62	1.84	8.44	15	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Outflow	S355A	6.69	1.84	5.34	6.28	7.72	4.15	14.30	35	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Outflow	S355B	5.89	2.19	4.23	5.41	7.14	2.16	12.10	34	NA	NA
Dissolved Oxygen	mg/L	WCA-3	Outflow	US41-25	3.52	1.48	2.51	3.04	3.91	1.30	8.57	78	NA	NA
Un-ionized Ammonia	µg/L	ENP	Inflow	S12A	0.95	1.06	0.29	0.55	1.50	0.09	4.40	22	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Inflow	S12B	1.19	1.41	0.24	0.46	1.97	0.10	4.45	21	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Inflow	S12C	1.06	1.27	0.27	0.53	1.44	0.03	6.40	65	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Inflow	S12D	1.17	1.16	0.47	0.77	1.22	0.16	4.51	21	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Inflow	S176	2.31	1.97	0.91	1.56	3.96	0.07	8.26	65	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Inflow	S18C	1.00	0.53	0.69	0.91	1.07	0.25	2.88	27	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Inflow	S332D	2.63	2.04	1.09	1.78	4.34	0.09	7.90	29	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Inflow	S333	1.17	1.16	0.38	0.80	1.31	0.07	5.58	70	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Inflow	US41-25	0.64	0.41	0.23	0.65	0.93	0.05	1.35	23	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Interior	EP	1.59	1.17	0.75	1.25	2.14	0.41	5.23	27	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Interior	NE1	1.21	2.54	0.26	0.40	0.66	0.13	13.34	42	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Interior	NP201	1.13	0.82	0.54	1.07	1.45	0.29	5.00	38	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Interior	P33	1.48	1.89	0.50	0.75	1.59	0.11	10.37	44	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Interior	P34	0.96	0.56	0.57	0.82	1.24	0.21	2.47	31	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Interior	P35	0.50	0.41	0.19	0.43	0.70	0.08	2.04	24	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Interior	P36	2.18	3.42	0.58	0.89	1.98	0.23	16.77	40	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Interior	P37	1.78	1.65	0.78	1.53	2.17	0.13	7.89	21	0 ± 0	NC
Un-ionized Ammonia	µg/L	ENP	Interior	TSB	0.87	0.94	0.14	0.49	1.13	0.05	3.20	25	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Inflow	ACME1DS	1.76	2.34	0.27	0.59	2.89	0.03	9.67	24	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Un-ionized Ammonia	µg/L	Refuge	Inflow	ENR012	4.47	3.70	2.00	3.31	5.38	0.02	18.39	126	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Inflow	G310	4.86	3.05	2.86	4.10	5.93	0.76	16.68	126	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Inflow	G94D	1.37	1.40	0.31	0.85	2.49	0.02	4.42	25	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Inflow	S362	5.23	6.15	1.63	3.41	6.09	0.36	50.49	123	1.1 ± 1.1	MC
Un-ionized Ammonia	µg/L	Refuge	Interior	LOX10	0.06	0.05	0.01	0.04	0.08	0.01	0.21	22	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	LOX11	0.03	0.05	0.01	0.01	0.03	0.00	0.21	37	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	LOX12	0.06	0.12	0.02	0.03	0.06	0.01	0.80	50	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	LOX13	0.03	0.06	0.01	0.01	0.04	0.00	0.38	38	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	LOX14	0.03	0.03	0.01	0.02	0.04	0.00	0.14	48	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	LOX15	0.18	0.21	0.05	0.10	0.25	0.00	1.21	49	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	LOX16	0.03	0.04	0.01	0.03	0.04	0.00	0.24	47	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	LOX3	0.07	0.10	0.01	0.03	0.07	0.01	0.28	7	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	LOX4	0.06	0.05	0.02	0.04	0.07	0.00	0.20	31	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	LOX5	0.02	0.01	0.01	0.01	0.03	0.01	0.04	6	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	LOX6	0.16	0.40	0.03	0.08	0.18	0.01	2.51	38	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	LOX7	0.04	0.07	0.01	0.01	0.02	0.00	0.33	45	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	LOX8	0.02	0.05	0.01	0.01	0.02	0.00	0.35	45	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	LOX9	0.03	0.02	0.01	0.02	0.03	0.00	0.08	24	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	WCA1MESO	0.23	0.42	0.01	0.04	0.18	0.00	1.42	35	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	X1	0.56	1.00	0.09	0.21	0.45	0.03	3.88	22	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	X2	0.03	0.03	0.01	0.02	0.04	0.01	0.14	28	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	X3	0.03	0.05	0.01	0.01	0.02	0.00	0.25	31	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	X4	0.14	0.32	0.02	0.03	0.08	0.00	1.64	35	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	Y4	0.05	0.10	0.01	0.02	0.06	0.00	0.49	35	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	Z1	0.24	0.36	0.05	0.11	0.27	0.01	1.76	30	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	Z2	0.07	0.08	0.02	0.04	0.09	0.01	0.31	30	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	Z3	0.09	0.17	0.01	0.04	0.10	0.00	0.94	36	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Interior	Z4	0.12	0.21	0.01	0.02	0.09	0.01	0.82	35	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Outflow	G94B	0.36	0.46	0.08	0.19	0.34	0.01	1.48	24	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Outflow	S10A	0.63	0.44	0.26	0.57	0.85	0.03	1.76	34	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Outflow	S10C	1.08	1.60	0.31	0.66	1.21	0.03	9.83	39	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Outflow	S10D	1.01	1.67	0.39	0.67	1.18	0.03	13.24	64	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Un-ionized Ammonia	µg/L	Refuge	Outflow	S39	0.63	0.54	0.19	0.55	0.93	0.02	2.84	57	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Rim	X0	0.69	0.65	0.28	0.54	0.80	0.03	3.08	34	0 ± 0	NC
Un-ionized Ammonia	µg/L	Refuge	Rim	Z0	0.61	0.54	0.23	0.38	0.88	0.06	2.09	35	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Inflow	E0	14.38	17.31	2.06	7.90	21.92	0.21	66.57	35	23.7 ± 11.3	C
Un-ionized Ammonia	µg/L	WCA-2	Inflow	F0	16.05	17.69	1.51	5.34	33.35	0.30	57.75	36	31.6 ± 12.4	C
Un-ionized Ammonia	µg/L	WCA-2	Inflow	G335	3.52	2.74	1.65	2.90	4.50	0.34	18.12	116	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Inflow	S10A	0.63	0.44	0.26	0.57	0.85	0.03	1.76	34	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Inflow	S10C	1.08	1.60	0.31	0.66	1.21	0.03	9.83	39	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Inflow	S10D	1.01	1.67	0.39	0.67	1.18	0.03	13.24	64	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Inflow	S7	2.17	2.37	0.71	1.49	3.01	0.03	16.80	132	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	404C2	0.58	0.32	0.31	0.52	0.75	0.13	1.28	24	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	CA215	0.97	0.84	0.42	0.78	1.03	0.20	5.06	46	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	CA27	0.53	0.37	0.29	0.41	0.75	0.04	2.12	49	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	CA28	0.67	0.59	0.35	0.48	0.82	0.10	3.12	47	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	CA29	0.92	0.46	0.60	0.79	1.27	0.19	1.95	53	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	E1	0.57	0.99	0.12	0.23	0.38	0.05	4.12	24	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	E2	0.63	1.75	0.09	0.16	0.29	0.04	7.15	16	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	E3	0.27	0.22	0.12	0.22	0.35	0.06	1.02	20	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	E4	0.26	0.38	0.11	0.15	0.27	0.04	2.03	25	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	E5	0.69	0.81	0.24	0.43	0.60	0.14	3.43	27	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	F1	2.14	8.46	0.18	0.26	0.62	0.05	67.09	72	2.2 ± 2.5	MC
Un-ionized Ammonia	µg/L	WCA-2	Interior	F2	0.43	1.15	0.14	0.20	0.38	0.03	9.45	68	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	F3	0.66	1.46	0.18	0.26	0.45	0.08	7.53	26	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	F4	0.24	0.22	0.10	0.18	0.29	0.03	1.41	73	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	F5	0.89	0.92	0.22	0.47	1.29	0.06	3.70	27	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	N1	0.72	0.78	0.28	0.39	0.95	0.11	3.12	27	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	S145	0.89	1.13	0.32	0.61	1.06	0.03	7.27	54	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	U1	0.66	1.06	0.25	0.44	0.62	0.02	5.90	29	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	U2	0.86	0.77	0.37	0.54	1.14	0.18	3.40	25	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Interior	U3	1.65	2.23	0.61	0.91	1.75	0.22	10.43	46	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Outflow	S11A	1.44	1.25	0.66	1.01	1.68	0.13	5.59	43	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Outflow	S11B	1.05	1.11	0.46	0.79	1.18	0.09	6.67	58	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Un-ionized Ammonia	µg/L	WCA-2	Outflow	S11C	1.01	1.35	0.35	0.67	1.12	0.02	9.29	68	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Outflow	S34	2.29	1.73	0.77	1.91	3.70	0.23	6.50	18	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-2	Outflow	S38	0.82	1.11	0.24	0.45	0.77	0.02	5.27	60	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Inflow	3AE0	0.67	0.36	0.37	0.66	0.97	0.11	1.08	5	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Inflow	3AW0	0.89	0.84	0.34	0.60	1.22	0.13	4.54	35	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Inflow	C123SR84	0.73	0.56	0.25	0.60	1.07	0.09	1.91	20	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Inflow	G123	6.05	3.63	3.37	5.28	9.36	0.76	12.17	18	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Inflow	L3BRS	1.78	1.33	0.72	1.36	2.63	0.12	5.88	126	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Inflow	S11A	1.44	1.25	0.66	1.01	1.68	0.13	5.59	43	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Inflow	S11B	1.05	1.11	0.46	0.79	1.18	0.09	6.67	58	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Inflow	S11C	1.01	1.35	0.35	0.67	1.12	0.02	9.29	68	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Inflow	S140	1.52	1.42	0.60	1.17	1.91	0.10	6.51	27	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Inflow	S142	3.94	4.13	0.64	2.49	7.70	0.55	11.38	8	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Inflow	S150	2.54	2.82	0.96	1.76	3.06	0.03	18.84	107	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Inflow	S151	2.46	1.52	0.84	2.55	3.66	0.23	5.46	20	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Inflow	S190	0.40	0.29	0.20	0.30	0.58	0.10	1.43	23	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Inflow	S8	2.02	1.55	0.86	1.77	2.53	0.13	8.46	90	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Inflow	S9	6.39	2.00	5.22	6.27	7.57	3.38	10.53	18	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	3AE05	0.19	0.08	0.12	0.17	0.28	0.12	0.28	3	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	3AE10	0.16	0.04	0.12	0.16	0.20	0.12	0.20	3	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	3AE15	0.23	0.09	0.00	0.23	0.00	0.17	0.29	2	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	3AE20	0.25	0.15	0.13	0.15	0.41	0.13	0.43	5	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	3AE40	0.77	0.41	0.39	0.73	1.16	0.36	1.35	5	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	3ANMESO	0.21	0.19	0.09	0.13	0.27	0.02	0.87	33	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	3ASMESO	0.31	0.41	0.08	0.18	0.37	0.02	1.88	34	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	3AW05	0.25	0.19	0.14	0.14	0.47	0.14	0.47	3	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	3AW10	0.04	0.01	0.00	0.04	0.00	0.04	0.04	2	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	3AW15	0.18	0.21	0.00	0.18	0.00	0.04	0.33	2	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	3AW20	0.24	0.16	0.08	0.26	0.38	0.04	0.41	4	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	3AW40	0.54	0.38	0.20	0.50	0.92	0.18	0.97	4	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	CA311	0.37	0.37	0.13	0.28	0.46	0.04	2.11	50	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	CA315	0.17	0.46	0.04	0.08	0.16	0.00	3.93	74	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Un-ionized Ammonia	µg/L	WCA-3	Interior	CA316	0.26	0.16	0.13	0.23	0.36	0.03	0.67	68	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	CA317	0.70	0.78	0.36	0.48	0.68	0.08	4.51	88	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	CA318	0.19	0.21	0.08	0.13	0.22	0.02	1.38	81	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	CA32	0.51	0.31	0.28	0.44	0.59	0.11	1.28	34	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	CA33	0.16	0.13	0.08	0.10	0.23	0.05	0.63	31	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	CA34	0.20	0.18	0.11	0.15	0.26	0.03	0.91	34	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	CA35	0.19	0.10	0.10	0.16	0.26	0.06	0.43	20	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	CA36	0.21	0.11	0.15	0.20	0.26	0.04	0.50	26	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Interior	CA38	0.20	0.18	0.08	0.13	0.25	0.02	0.77	34	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Outflow	S12A	0.95	1.06	0.29	0.55	1.50	0.09	4.40	22	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Outflow	S12B	1.19	1.41	0.24	0.46	1.97	0.10	4.45	21	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Outflow	S12C	1.06	1.27	0.27	0.53	1.44	0.03	6.40	65	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Outflow	S12D	1.17	1.16	0.47	0.77	1.22	0.16	4.51	21	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Outflow	S31	3.06	1.73	1.57	2.75	4.50	0.34	6.42	17	0 ± 0	0
Un-ionized Ammonia	µg/L	WCA-3	Outflow	S333	1.17	1.16	0.38	0.80	1.31	0.07	5.58	70	0 ± 0	NC
Un-ionized Ammonia	µg/L	WCA-3	Outflow	S334	2.78	NA	0.00	2.78	0.00	2.78	2.78	1	0 ± 0	0
Un-ionized Ammonia	µg/L	WCA-3	Outflow	S344	0.39	0.29	0.00	0.39	0.00	0.18	0.59	2	0 ± 0	0
Un-ionized Ammonia	µg/L	WCA-3	Outflow	US41-25	0.64	0.41	0.23	0.65	0.93	0.05	1.35	23	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S12A	145.0	38.6	109.0	130.0	172.5	93.0	214.0	21	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S12B	138.5	33.3	104.5	140.5	166.8	79.0	184.0	20	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S12C	145.6	25.7	129.5	149.5	165.3	93.0	197.0	20	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S12D	165.1	43.0	127.0	178.0	205.5	88.0	224.0	21	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S176	214.0	17.3	205.5	213.0	221.0	175.0	258.0	21	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S18C	200.2	8.3	193.3	202.5	206.8	182.0	213.0	28	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S332D	213.3	4.2	209.0	215.0	218.0	208.0	218.0	7	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	S333	163.4	41.1	133.8	158.0	204.5	98.0	237.0	26	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Inflow	US41-25	171.0	46.1	132.0	187.0	207.0	96.0	235.0	24	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	EP	154.2	15.9	142.3	151.0	168.3	124.0	187.0	28	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	NE1	172.0	42.0	138.0	176.0	196.0	82.0	261.0	43	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	NP201	159.3	21.2	148.3	156.0	172.3	113.0	212.0	38	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	P33	181.0	33.0	152.8	181.0	208.3	106.0	241.0	50	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	P34	126.4	20.2	113.0	118.0	136.0	96.0	182.0	33	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	P35	143.4	18.7	129.0	149.0	157.5	109.0	174.0	25	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	P36	166.0	25.0	148.5	164.0	185.0	128.0	222.0	41	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	P37	101.3	13.4	92.5	99.5	110.8	78.0	128.0	22	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	TSB	163.3	45.1	142.5	178.5	199.3	1.0	211.0	34	2.9 ± 4.8	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	ACME1DS	166.2	42.1	133.0	168.0	191.0	105.0	261.0	27	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	ENR012	238.2	42.2	211.0	232.0	251.0	133.0	367.0	131	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	G300	218.8	65.5	161.0	210.0	280.0	110.0	346.0	131	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	G301	228.8	70.1	165.0	226.0	293.0	102.0	369.0	131	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	G310	227.1	37.5	203.0	230.0	245.0	134.0	324.0	131	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	G94D	178.8	32.6	164.8	181.5	199.0	89.0	260.0	28	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	S362	183.5	45.8	146.0	178.0	216.0	108.0	290.0	131	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX10	38.8	13.5	30.0	33.5	48.0	25.0	76.0	24	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX11	11.6	3.6	9.0	10.0	14.0	7.0	24.0	43	95.3 ± 5.3	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX12	38.6	15.1	29.0	35.0	43.3	19.0	106.0	58	1.7 ± 2.8	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX13	16.3	4.7	13.0	15.0	21.0	8.0	27.0	43	74.4 ± 10.9	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX14	39.0	15.9	30.0	36.0	45.0	18.0	116.0	55	5.5 ± 5	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX15	78.8	33.4	48.5	73.5	104.3	30.0	152.0	56	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX16	40.6	22.9	26.5	34.0	47.5	12.0	130.0	53	9.4 ± 6.6	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX3	9.3	1.2	8.3	10.0	10.0	7.0	10.0	8	100 ± 0	PC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX4	75.0	33.8	52.0	66.0	96.0	10.0	165.0	31	3.2 ± 5.2	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX5	8.6	1.5	8.0	8.0	9.5	6.0	11.0	10	100 ± 0	PC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX6	53.0	22.4	34.5	47.0	65.5	14.0	110.0	41	2.4 ± 4	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX7	15.0	9.4	10.0	12.0	15.5	8.0	69.0	49	83.7 ± 8.7	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX8	10.6	4.2	8.0	9.0	12.0	6.0	22.0	52	92.3 ± 6.1	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX9	15.6	3.6	13.0	14.5	16.3	12.0	25.0	26	84.6 ± 11.6	PC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	WCA1MESO	14.8	19.8	7.0	10.0	15.0	4.5	129.0	39	82.1 ± 10.1	MC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	X1	138.8	61.8	79.5	160.0	197.0	46.0	233.0	25	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	X2	65.6	42.6	37.9	48.5	80.8	26.0	228.0	32	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	X3	35.1	14.6	23.0	34.0	45.0	17.0	80.0	35	20 ± 11.1	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	X4	33.6	12.3	26.0	30.0	38.0	13.0	69.0	39	5.1 ± 5.8	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	Y4	33.3	9.9	27.0	34.0	39.3	14.0	61.0	38	5.3 ± 6	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	Z1	159.7	57.2	100.4	179.0	201.5	59.0	254.0	32	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	Z2	93.3	42.6	55.5	81.0	137.0	25.0	155.5	33	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	Z3	43.6	17.9	29.5	43.0	55.0	14.0	95.0	39	5.1 ± 5.8	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	Z4	34.1	10.8	26.0	36.0	39.0	15.0	63.0	39	7.7 ± 7	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Outflow	G94B	126.3	42.5	96.0	127.5	158.0	51.0	200.0	24	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Outflow	S10A	108.9	42.6	72.0	105.0	129.0	51.0	218.0	35	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Outflow	S10C	115.7	43.1	81.5	107.0	141.5	47.0	218.0	41	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Outflow	S10D	149.6	49.4	110.8	144.5	182.3	57.0	281.0	66	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Outflow	S39	112.0	41.9	76.0	106.0	132.0	42.0	205.0	55	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Rim	LOXA104	275.0	0.0	0.0	275.0	0.0	275.0	275.0	1	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Rim	LOXA135	282.0	0.0	0.0	282.0	0.0	282.0	282.0	1	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Rim	X0	163.6	49.9	123.0	153.5	194.0	73.0	264.0	39	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Rim	Z0	161.4	48.8	125.0	155.0	192.0	73.0	261.0	39	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Inflow	E0	213.0	79.2	164.0	211.0	257.0	61.0	362.0	37	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Inflow	F0	230.9	88.6	178.5	223.0	293.5	72.0	386.0	37	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Inflow	G335	298.5	50.2	260.5	305.5	337.0	162.0	414.0	130	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Inflow	S10A	108.9	42.6	72.0	105.0	129.0	51.0	218.0	35	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Inflow	S10C	115.7	43.1	81.5	107.0	141.5	47.0	218.0	41	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Inflow	S10D	149.6	49.4	110.8	144.5	182.3	57.0	281.0	66	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Inflow	S7	228.5	41.2	205.5	235.0	256.0	122.0	390.0	141	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	404C2	257.7	44.4	225.5	265.0	301.0	129.0	323.0	25	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	CA215	200.1	26.9	181.0	198.0	225.0	144.0	245.0	47	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	CA27	252.8	35.8	232.0	253.0	276.0	152.0	326.0	51	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	CA28	273.6	42.4	243.5	276.0	302.5	189.0	376.0	48	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	CA29	220.3	25.6	205.0	224.0	236.3	159.0	290.0	54	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	E1	218.7	61.8	182.3	209.0	265.4	85.0	337.0	28	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	E2	196.2	55.0	146.0	188.0	240.0	91.0	284.0	19	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	E3	206.9	57.3	172.5	204.0	230.8	104.5	351.0	24	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	E4	189.4	54.4	147.6	182.0	228.5	86.0	288.0	30	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	E5	178.2	37.1	157.5	173.0	206.8	94.0	241.5	32	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	F1	264.5	95.2	204.0	238.0	314.5	109.0	538.0	77	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	F2	231.0	65.9	190.5	220.0	269.8	108.0	426.0	74	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	F3	250.5	73.7	201.3	230.0	287.0	143.0	422.0	29	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	F4	203.4	52.8	170.0	192.0	242.0	107.0	360.0	81	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	F5	224.2	42.7	199.0	219.0	253.0	154.0	312.5	31	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	N1	266.9	35.4	242.0	266.0	290.0	200.0	330.0	27	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	S145	181.2	32.3	153.0	176.0	209.5	127.0	244.0	57	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	U1	166.2	29.4	143.5	169.0	193.4	98.0	223.0	34	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	U2	194.7	36.2	164.3	191.0	222.6	130.0	260.0	30	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	U3	211.7	34.2	185.5	207.0	224.0	168.0	364.0	51	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Outflow	S11A	209.0	32.6	189.0	208.0	230.0	130.0	282.0	45	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Outflow	S11B	200.6	34.2	170.5	202.0	232.3	127.0	268.0	60	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Outflow	S11C	217.1	32.2	195.5	220.5	242.3	126.0	271.0	70	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Outflow	S34	232.2	44.1	191.0	246.0	266.0	144.0	295.0	18	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Outflow	S38	163.5	40.5	127.0	167.0	194.0	86.0	240.0	63	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	3AE0	185.6	27.9	162.5	196.0	203.5	137.0	205.0	5	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	3AW0	172.3	34.6	146.5	184.0	197.5	97.0	227.0	37	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	C123SR84	242.4	61.0	201.5	233.0	276.0	141.0	352.0	20	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	G123	299.9	25.1	298.0	308.5	313.0	211.0	317.0	18	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	L3BRS	204.0	38.5	180.0	200.0	235.0	117.0	304.0	133	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S11A	209.0	32.6	189.0	208.0	230.0	130.0	282.0	45	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S11B	200.6	34.2	170.5	202.0	232.3	127.0	268.0	60	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S11C	217.1	32.2	195.5	220.5	242.3	126.0	271.0	70	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S140	206.1	36.9	175.0	217.0	240.0	121.0	249.0	27	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S142	245.3	38.3	202.5	265.5	274.5	184.0	277.0	8	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S150	224.2	39.7	197.3	232.0	253.8	126.0	319.0	116	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S151	246.6	24.5	231.0	245.0	269.3	201.0	290.0	20	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S190	169.9	38.0	129.0	181.0	206.0	113.0	218.0	15	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S8	201.8	37.4	177.0	200.0	233.0	107.0	279.0	91	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S9	269.3	19.7	263.5	276.0	282.3	222.0	288.0	18	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	3AE05	178.3	36.5	138.0	188.0	209.0	138.0	209.0	3	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	3AE10	182.3	38.0	139.0	198.0	210.0	139.0	210.0	3	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	3AE15	188.0	22.9	168.0	183.0	213.0	168.0	213.0	3	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	3AE20	181.1	28.4	157.0	172.0	209.8	144.0	210.0	5	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	3AE40	157.3	5.8	152.8	159.0	161.0	147.5	163.0	5	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	3ANMESO	147.7	24.4	126.8	149.0	161.0	109.0	209.0	36	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	3ASMESO	142.7	23.9	122.0	144.0	155.9	102.0	188.0	36	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	3AW05	176.3	33.6	139.0	186.0	204.0	139.0	204.0	3	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	3AW10	179.7	39.1	139.0	183.0	217.0	139.0	217.0	3	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	3AW15	165.5	28.4	140.8	161.0	194.8	137.0	203.0	4	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	3AW20	161.8	20.9	141.5	162.0	181.8	138.0	185.0	4	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	3AW40	159.2	11.4	149.5	155.0	171.0	148.0	175.0	5	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA311	150.7	23.4	132.5	148.0	164.5	102.0	206.0	52	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA315	152.6	26.0	128.0	153.0	171.0	101.0	228.0	75	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA316	220.6	33.9	195.8	219.5	241.8	146.0	303.0	70	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA317	183.2	24.0	165.8	184.0	198.0	138.0	258.0	90	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA318	191.2	25.2	174.0	198.0	208.0	122.0	247.0	83	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA32	184.8	39.8	154.0	186.0	216.0	113.0	294.0	35	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA33	155.5	45.2	112.8	149.0	187.0	103.0	277.0	32	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA34	170.4	24.7	149.5	174.0	189.3	124.0	215.0	36	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA35	145.0	28.8	126.0	146.0	173.0	94.0	188.0	21	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA36	197.6	24.8	178.8	195.5	217.8	146.0	261.0	28	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA38	131.2	18.6	116.0	127.0	138.0	105.0	190.0	35	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Outflow	S12A	145.0	38.6	109.0	130.0	172.5	93.0	214.0	21	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Outflow	S12B	138.5	33.3	104.5	140.5	166.8	79.0	184.0	20	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Outflow	S12C	145.6	25.7	129.5	149.5	165.3	93.0	197.0	20	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Outflow	S12D	165.1	43.0	127.0	178.0	205.5	88.0	224.0	21	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Outflow	S31	252.1	13.1	243.0	250.0	260.0	229.0	281.0	17	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Outflow	S333	163.4	41.1	133.8	158.0	204.5	98.0	237.0	26	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Outflow	S344	121.5	48.8	0.0	121.5	0.0	87.0	156.0	2	0 ± 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Outflow	US41-25	171.0	46.1	132.0	187.0	207.0	96.0	235.0	24	0 ± 0	NC
Total Iron	µg/L	ENP	Inflow	S12A	129.2	58.3	77.5	108.0	191.5	76.0	196.0	5	0 ± 0	NC
Total Iron	µg/L	ENP	Inflow	S12B	122.0	38.5	83.0	134.0	155.0	75.0	170.0	5	0 ± 0	NC
Total Iron	µg/L	ENP	Inflow	S12C	137.6	66.5	82.0	106.0	209.0	70.0	212.0	5	0 ± 0	NC
Total Iron	µg/L	ENP	Inflow	S12D	187.0	157.4	105.0	110.5	345.5	104.0	423.0	4	0 ± 0	NC
Total Iron	µg/L	ENP	Inflow	S176	244.0	141.2	129.5	169.0	396.0	102.0	404.0	5	0 ± 0	NC
Total Iron	µg/L	ENP	Inflow	S18C	159.2	129.4	21.0	206.0	274.0	11.0	279.0	5	0 ± 0	NC
Total Iron	µg/L	ENP	Inflow	S332D	301.7	98.4	216.3	294.0	407.3	166.0	420.0	6	0 ± 0	NC
Total Iron	µg/L	ENP	Inflow	S333	127.5	104.2	62.5	93.5	175.0	58.0	334.0	6	0 ± 0	NC
Total Iron	µg/L	ENP	Inflow	US41-25	212.5	14.8	0.0	212.5	0.0	202.0	223.0	2	0 ± 0	NC
Total Iron	µg/L	Refuge	Inflow	ACME1DS	193.6	81.4	118.5	197.0	267.0	86.0	301.0	5	0 ± 0	NC
Total Iron	µg/L	Refuge	Inflow	ENR012	48.0	4.2	0.0	48.0	0.0	45.0	51.0	2	0 ± 0	NC
Total Iron	µg/L	Refuge	Inflow	G310	39.5	31.8	0.0	39.5	0.0	17.0	62.0	2	0 ± 0	NC
Total Iron	µg/L	Refuge	Inflow	G94D	372.2	292.0	85.5	373.0	658.5	67.0	736.0	5	0 ± 0	NC
Total Iron	µg/L	Refuge	Interior	LOX10	25.0	8.4	16.0	22.0	34.0	16.0	35.0	7	0 ± 0	NC
Total Iron	µg/L	Refuge	Interior	LOX11	65.9	41.2	39.0	53.0	69.0	21.0	160.0	15	0 ± 0	NC
Total Iron	µg/L	Refuge	Interior	LOX12	16.1	7.6	8.8	15.5	21.8	5.0	31.0	20	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Total Iron	µg/L	Refuge	Interior	LOX13	93.6	72.7	44.0	79.5	101.0	26.0	324.0	16	0 ± 0	NC
Total Iron	µg/L	Refuge	Interior	LOX14	47.7	30.4	30.0	36.0	61.0	18.0	132.0	19	0 ± 0	NC
Total Iron	µg/L	Refuge	Interior	LOX15	5.9	4.0	3.0	4.5	8.8	1.5	15.0	20	0 ± 0	NC
Total Iron	µg/L	Refuge	Interior	LOX16	108.8	59.7	57.5	93.0	162.5	37.0	227.0	17	0 ± 0	NC
Total Iron	µg/L	Refuge	Interior	LOX3	74.0	27.7	58.0	58.0	106.0	58.0	106.0	3	0 ± 0	NC
Total Iron	µg/L	Refuge	Interior	LOX4	48.1	24.7	27.0	38.0	67.0	17.0	90.0	11	0 ± 0	NC
Total Iron	µg/L	Refuge	Interior	LOX5	76.3	33.3	39.0	87.0	103.0	39.0	103.0	3	0 ± 0	NC
Total Iron	µg/L	Refuge	Interior	LOX6	82.9	82.6	26.5	61.0	105.5	16.0	334.0	14	0 ± 0	NC
Total Iron	µg/L	Refuge	Interior	LOX7	72.4	32.4	48.5	61.0	89.8	36.0	150.0	16	0 ± 0	NC
Total Iron	µg/L	Refuge	Interior	LOX8	31.4	14.4	22.3	29.0	35.8	17.0	73.0	16	0 ± 0	NC
Total Iron	µg/L	Refuge	Interior	LOX9	31.4	11.8	23.0	32.0	41.5	11.0	48.0	9	0 ± 0	NC
Total Iron	µg/L	Refuge	Outflow	G94B	57.0	14.1	0.0	57.0	0.0	47.0	67.0	2	0 ± 0	NC
Total Iron	µg/L	Refuge	Outflow	S10A	22.3	19.8	8.3	19.5	27.0	5.0	94.0	20	0 ± 0	NC
Total Iron	µg/L	Refuge	Outflow	S10C	14.7	10.4	5.3	11.0	22.8	4.0	37.0	20	0 ± 0	NC
Total Iron	µg/L	Refuge	Outflow	S10D	25.7	27.6	12.0	16.0	25.5	7.0	114.0	20	0 ± 0	NC
Total Iron	µg/L	Refuge	Outflow	S39	27.8	14.8	11.0	30.0	38.5	7.0	48.0	9	0 ± 0	NC
Total Iron	µg/L	WCA-2	Inflow	S10A	22.3	19.8	8.3	19.5	27.0	5.0	94.0	20	0 ± 0	NC
Total Iron	µg/L	WCA-2	Inflow	S10C	14.7	10.4	5.3	11.0	22.8	4.0	37.0	20	0 ± 0	NC
Total Iron	µg/L	WCA-2	Inflow	S10D	25.7	27.6	12.0	16.0	25.5	7.0	114.0	20	0 ± 0	NC
Total Iron	µg/L	WCA-2	Inflow	S7	28.8	15.9	18.5	24.0	35.5	9.0	82.0	21	0 ± 0	NC
Total Iron	µg/L	WCA-2	Interior	CA215	10.3	3.9	8.0	10.0	11.0	6.0	18.0	7	0 ± 0	NC
Total Iron	µg/L	WCA-2	Interior	CA27	8.2	2.7	5.8	8.0	10.3	5.0	13.0	10	0 ± 0	NC
Total Iron	µg/L	WCA-2	Interior	CA28	16.4	8.1	10.3	15.0	21.5	7.0	33.0	10	0 ± 0	NC
Total Iron	µg/L	WCA-2	Interior	CA29	13.2	6.1	9.0	11.0	18.0	8.0	28.0	11	0 ± 0	NC
Total Iron	µg/L	WCA-2	Interior	F1	9.9	5.8	5.0	8.5	15.3	4.0	21.0	10	0 ± 0	NC
Total Iron	µg/L	WCA-2	Interior	F2	12.2	9.6	4.8	8.0	22.8	3.0	29.0	10	0 ± 0	NC
Total Iron	µg/L	WCA-2	Interior	F4	6.9	4.4	4.0	6.0	8.5	3.0	19.0	12	0 ± 0	NC
Total Iron	µg/L	WCA-2	Interior	S145	8.3	3.1	6.0	8.0	9.0	4.0	14.0	7	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Total Iron	µg/L	WCA-2	Interior	U3	16.2	8.5	9.8	14.0	21.5	9.0	32.0	6	0 ± 0	NC
Total Iron	µg/L	WCA-2	Outflow	S11A	22.7	19.5	12.0	14.0	37.0	6.0	61.0	7	0 ± 0	NC
Total Iron	µg/L	WCA-2	Outflow	S11B	22.3	20.2	8.3	14.5	30.5	5.0	91.0	20	0 ± 0	NC
Total Iron	µg/L	WCA-2	Outflow	S11C	20.7	14.2	12.0	15.5	27.3	5.0	63.0	20	0 ± 0	NC
Total Iron	µg/L	WCA-2	Outflow	S38	10.7	3.1	10.0	12.0	13.0	4.0	13.0	7	0 ± 0	NC
Total Iron	µg/L	WCA-3	Inflow	G123	237.8	94.1	136.5	248.0	325.8	126.0	346.0	6	0 ± 0	NC
Total Iron	µg/L	WCA-3	Inflow	L3BRS	190.2	124.9	96.3	156.0	244.5	69.0	469.0	20	0 ± 0	NC
Total Iron	µg/L	WCA-3	Inflow	S11A	22.7	19.5	12.0	14.0	37.0	6.0	61.0	7	0 ± 0	NC
Total Iron	µg/L	WCA-3	Inflow	S11B	22.3	20.2	8.3	14.5	30.5	5.0	91.0	20	0 ± 0	NC
Total Iron	µg/L	WCA-3	Inflow	S11C	20.7	14.2	12.0	15.5	27.3	5.0	63.0	20	0 ± 0	NC
Total Iron	µg/L	WCA-3	Inflow	S140	96.6	59.5	50.0	85.0	149.0	23.0	186.0	5	0 ± 0	NC
Total Iron	µg/L	WCA-3	Inflow	S150	30.7	12.2	21.3	30.5	41.3	13.0	60.0	20	0 ± 0	NC
Total Iron	µg/L	WCA-3	Inflow	S190	107.0	112.8	44.0	62.0	192.5	39.0	307.0	5	0 ± 0	NC
Total Iron	µg/L	WCA-3	Inflow	S8	67.0	50.5	30.5	52.0	77.5	14.0	186.0	21	0 ± 0	NC
Total Iron	µg/L	WCA-3	Inflow	S9	371.0	208.5	153.0	469.0	540.0	78.0	560.0	5	0 ± 0	NC
Total Iron	µg/L	WCA-3	Interior	CA311	234.1	164.6	124.8	164.0	355.8	46.0	578.0	10	0 ± 0	NC
Total Iron	µg/L	WCA-3	Interior	CA315	200.1	161.5	65.0	130.0	388.0	42.0	494.0	15	0 ± 0	NC
Total Iron	µg/L	WCA-3	Interior	CA316	5.3	2.8	2.6	5.0	7.3	1.5	10.0	14	0 ± 0	NC
Total Iron	µg/L	WCA-3	Interior	CA317	6.1	3.3	3.8	5.5	9.0	1.5	12.0	18	0 ± 0	NC
Total Iron	µg/L	WCA-3	Interior	CA318	21.5	23.6	6.5	12.0	23.8	6.0	89.0	16	0 ± 0	NC
Total Iron	µg/L	WCA-3	Interior	CA32	45.5	21.0	25.5	42.0	64.0	19.0	79.0	8	0 ± 0	NC
Total Iron	µg/L	WCA-3	Interior	CA33	94.1	61.9	37.0	85.0	135.0	36.0	207.0	7	0 ± 0	NC
Total Iron	µg/L	WCA-3	Interior	CA34	54.4	31.5	24.0	52.0	94.0	22.0	96.0	7	0 ± 0	NC
Total Iron	µg/L	WCA-3	Interior	CA35	103.5	33.8	69.8	109.5	131.3	57.0	138.0	4	0 ± 0	NC
Total Iron	µg/L	WCA-3	Interior	CA36	122.9	79.3	74.0	94.0	181.0	29.0	269.0	7	0 ± 0	NC
Total Iron	µg/L	WCA-3	Interior	CA38	244.9	212.7	112.3	219.5	253.5	52.0	737.0	8	0 ± 0	NC
Total Iron	µg/L	WCA-3	Outflow	S12A	129.2	58.3	77.5	108.0	191.5	76.0	196.0	5	0 ± 0	NC
Total Iron	µg/L	WCA-3	Outflow	S12B	122.0	38.5	83.0	134.0	155.0	75.0	170.0	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	Excursion Category
Total Iron	µg/L	WCA-3	Outflow	S12C	137.6	66.5	82.0	106.0	209.0	70.0	212.0	5	0 ± 0	NC
Total Iron	µg/L	WCA-3	Outflow	S12D	187.0	157.4	105.0	110.5	345.5	104.0	423.0	4	0 ± 0	NC
Total Iron	µg/L	WCA-3	Outflow	S333	127.5	104.2	62.5	93.5	175.0	58.0	334.0	6	0 ± 0	NC
Total Iron	µg/L	WCA-3	Outflow	S344	78.5	0.7	0.0	78.5	0.0	78.0	79.0	2	0 ± 0	NC
Total Iron	µg/L	WCA-3	Outflow	US41-25	212.5	14.8	0.0	212.5	0.0	202.0	223.0	2	0 ± 0	NC
pH, Field	pH Units	ENP	Inflow	S12A	7.3	0.2	7.2	7.3	7.4	7.0	8.1	208	0 ± 0	NC
pH, Field	pH Units	ENP	Inflow	S12B	7.3	0.2	7.1	7.2	7.4	6.8	8.1	90	0 ± 0	NC
pH, Field	pH Units	ENP	Inflow	S12C	7.3	0.2	7.2	7.3	7.4	6.9	7.8	148	0 ± 0	NC
pH, Field	pH Units	ENP	Inflow	S12D	7.3	0.2	7.2	7.3	7.4	7.0	7.8	146	0 ± 0	NC
pH, Field	pH Units	ENP	Inflow	S176	7.5	0.3	7.3	7.5	7.6	7.0	8.1	71	0 ± 0	NC
pH, Field	pH Units	ENP	Inflow	S18C	7.6	0.4	7.3	7.5	8.0	6.9	8.2	250	0 ± 0	NC
pH, Field	pH Units	ENP	Inflow	S332D	7.5	0.2	7.2	7.5	7.6	7.0	8.1	67	0 ± 0	NC
pH, Field	pH Units	ENP	Inflow	S333	7.4	0.2	7.2	7.4	7.5	6.9	7.9	259	0 ± 0	NC
pH, Field	pH Units	ENP	Inflow	S355A	7.6	0.3	7.4	7.5	7.7	7.1	8.5	47	0 ± 0	NC
pH, Field	pH Units	ENP	Inflow	S355B	7.5	0.4	7.2	7.4	7.7	6.9	8.5	46	0 ± 0	NC
pH, Field	pH Units	ENP	Inflow	US41-25	7.2	0.2	7.1	7.2	7.3	6.8	7.8	92	0 ± 0	NC
pH, Field	pH Units	ENP	Interior	EP	7.9	0.2	7.8	7.8	8.0	7.2	8.4	42	0 ± 0	NC
pH, Field	pH Units	ENP	Interior	NE1	7.5	0.2	7.3	7.4	7.6	7.1	8.0	53	0 ± 0	NC
pH, Field	pH Units	ENP	Interior	NP201	7.7	0.2	7.6	7.7	7.9	7.4	8.2	46	0 ± 0	NC
pH, Field	pH Units	ENP	Interior	P33	7.5	0.2	7.4	7.5	7.6	7.0	8.1	54	0 ± 0	NC
pH, Field	pH Units	ENP	Interior	P34	7.8	0.2	7.6	7.8	8.0	7.3	8.3	41	0 ± 0	NC
pH, Field	pH Units	ENP	Interior	P35	7.5	0.2	7.3	7.5	7.7	7.1	7.9	34	0 ± 0	NC
pH, Field	pH Units	ENP	Interior	P36	7.5	0.2	7.4	7.5	7.6	7.2	8.0	51	0 ± 0	NC
pH, Field	pH Units	ENP	Interior	P37	7.9	0.3	7.6	7.9	8.1	7.1	8.5	35	0 ± 0	NC
pH, Field	pH Units	ENP	Interior	S12C10	7.1	0.2	6.9	7.1	7.3	6.8	7.3	8	0 ± 0	NC
pH, Field	pH Units	ENP	Interior	S12C2	7.5	0.2	7.4	7.6	7.6	7.1	7.6	5	0 ± 0	NC
pH, Field	pH Units	ENP	Interior	S12C6	7.5	0.3	7.2	7.7	7.8	7.1	7.9	5	0 ± 0	NC
pH, Field	pH Units	ENP	Interior	T24	7.6	0.2	7.5	7.5	7.7	7.4	7.8	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	Excursion Category
pH, Field	pH Units	ENP	Interior	T33	7.2	0.2	7.2	7.2	7.3	6.8	7.4	7	0 ± 0	NC
pH, Field	pH Units	ENP	Interior	TSB	7.6	0.3	7.4	7.6	7.8	7.2	8.4	37	0 ± 0	NC
pH, Field	pH Units	Refuge	Inflow	ACME1DS	7.4	0.3	7.3	7.4	7.6	6.9	8.1	27	0 ± 0	NC
pH, Field	pH Units	Refuge	Inflow	ENR012	7.4	0.3	7.3	7.4	7.5	5.2	8.7	258	0.8 ± 0.9	MC
pH, Field	pH Units	Refuge	Inflow	G300	7.7	0.3	7.5	7.6	7.8	6.8	9.3	254	0.4 ± 0.6	MC
pH, Field	pH Units	Refuge	Inflow	G301	7.6	0.3	7.4	7.6	7.8	6.6	8.4	255	0 ± 0	NC
pH, Field	pH Units	Refuge	Inflow	G310	7.7	0.2	7.6	7.7	7.8	6.9	8.4	258	0 ± 0	NC
pH, Field	pH Units	Refuge	Inflow	G94D	7.2	0.3	7.0	7.2	7.4	6.6	7.9	28	0 ± 0	NC
pH, Field	pH Units	Refuge	Inflow	S362	7.7	0.3	7.5	7.7	7.9	7.0	8.5	259	0 ± 0	NC
pH, Field	pH Units	Refuge	Interior	LOX10	6.7	0.3	6.4	6.6	6.8	6.1	7.9	43	0 ± 0	NC
pH, Field	pH Units	Refuge	Interior	LOX11	6.4	0.5	6.1	6.3	6.7	5.6	8.1	55	9.1 ± 6.4	MC
pH, Field	pH Units	Refuge	Interior	LOX12	6.8	0.4	6.5	6.8	7.0	6.1	8.3	58	0 ± 0	NC
pH, Field	pH Units	Refuge	Interior	LOX13	6.5	0.4	6.2	6.4	6.6	5.9	7.9	53	7.5 ± 6	MC
pH, Field	pH Units	Refuge	Interior	LOX14	6.6	0.3	6.4	6.6	6.8	5.9	7.7	57	1.8 ± 2.9	MC
pH, Field	pH Units	Refuge	Interior	LOX15	7.0	0.5	6.8	7.1	7.3	4.8	7.6	56	1.8 ± 2.9	MC
pH, Field	pH Units	Refuge	Interior	LOX16	6.5	0.4	6.3	6.5	6.7	5.8	7.7	56	5.4 ± 4.9	MC
pH, Field	pH Units	Refuge	Interior	LOX3	6.4	0.4	6.1	6.3	6.6	5.8	7.6	34	5.9 ± 6.6	MC
pH, Field	pH Units	Refuge	Interior	LOX4	6.7	0.3	6.5	6.7	6.8	6.2	7.4	45	0 ± 0	NC
pH, Field	pH Units	Refuge	Interior	LOX5	6.3	0.4	6.1	6.2	6.4	5.7	7.8	35	11.4 ± 8.8	MC
pH, Field	pH Units	Refuge	Interior	LOX6	6.9	0.4	6.6	6.9	7.1	6.4	8.1	52	0 ± 0	NC
pH, Field	pH Units	Refuge	Interior	LOX7	6.4	0.4	6.1	6.3	6.5	5.8	7.8	52	5.8 ± 5.3	MC
pH, Field	pH Units	Refuge	Interior	LOX8	6.3	0.4	6.0	6.2	6.4	5.7	7.8	55	12.7 ± 7.4	MC
pH, Field	pH Units	Refuge	Interior	LOX9	6.4	0.4	6.2	6.3	6.5	5.9	7.8	42	2.4 ± 3.9	MC
pH, Field	pH Units	Refuge	Interior	LOXA101	7.0	0.1	0.0	7.0	0.0	6.9	7.0	2	0 ± 0	NC
pH, Field	pH Units	Refuge	Interior	LOXA105	7.0	0.2	6.8	7.0	7.2	6.5	7.5	33	0 ± 0	NC
pH, Field	pH Units	Refuge	Interior	LOXA106	6.9	0.3	6.8	7.0	7.1	6.2	7.3	31	0 ± 0	NC
pH, Field	pH Units	Refuge	Interior	LOXA107	6.7	0.3	6.5	6.6	6.9	6.2	7.4	22	0 ± 0	NC
pH, Field	pH Units	Refuge	Interior	LOXA108	6.5	0.5	6.3	6.4	6.7	5.8	8.4	29	6.9 ± 7.7	MC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
pH, Field	pH Units	Refuge	Interior	LOXA130	6.6	0.1	0.0	6.6	0.0	6.5	6.6	2	0 ± 0	NC
pH, Field	pH Units	Refuge	Interior	LOXA136	6.7	0.3	6.6	6.7	6.9	6.1	7.2	32	0 ± 0	NC
pH, Field	pH Units	Refuge	Interior	LOXA137	6.6	0.3	6.4	6.7	6.8	5.8	7.6	34	2.9 ± 4.8	MC
pH, Field	pH Units	Refuge	Interior	LOXA138	6.7	0.5	6.4	6.6	6.9	6.0	8.4	30	0 ± 0	NC
pH, Field	pH Units	Refuge	Interior	LOXA139	6.6	0.5	6.2	6.4	6.8	5.9	8.0	28	3.6 ± 5.8	MC
pH, Field	pH Units	Refuge	Interior	LOXA140	7.1	0.0	0.0	7.1	0.0	7.1	7.1	1	0 ± 0	NC
pH, Field	pH Units	Refuge	Interior	WCA1MESO	6.4	0.4	6.2	6.4	6.7	5.4	7.6	38	7.9 ± 7.2	MC
pH, Field	pH Units	Refuge	Interior	X1	6.7	0.3	6.7	6.8	6.9	6.0	7.1	25	0 ± 0	NC
pH, Field	pH Units	Refuge	Interior	X2	6.5	0.3	6.2	6.5	6.7	5.7	6.9	31	6.5 ± 7.3	MC
pH, Field	pH Units	Refuge	Interior	X3	6.3	0.4	6.0	6.2	6.5	5.4	7.3	34	14.7 ± 10	MC
pH, Field	pH Units	Refuge	Interior	X4	6.5	0.3	6.3	6.5	6.7	5.8	7.8	39	5.1 ± 5.8	MC
pH, Field	pH Units	Refuge	Interior	Y4	6.4	0.4	6.1	6.4	6.6	5.5	7.6	38	7.9 ± 7.2	MC
pH, Field	pH Units	Refuge	Interior	Z1	6.8	0.3	6.6	7.0	7.1	6.1	7.4	33	0 ± 0	NC
pH, Field	pH Units	Refuge	Interior	Z2	6.7	0.4	6.4	6.7	6.9	5.8	7.3	33	3 ± 4.9	MC
pH, Field	pH Units	Refuge	Interior	Z3	6.6	0.4	6.3	6.6	6.8	5.7	7.4	39	5.1 ± 5.8	MC
pH, Field	pH Units	Refuge	Interior	Z4	6.6	0.5	6.4	6.5	6.9	5.9	8.0	39	5.1 ± 5.8	MC
pH, Field	pH Units	Refuge	Outflow	G94B	7.2	0.3	7.1	7.2	7.4	6.4	8.0	64	0 ± 0	NC
pH, Field	pH Units	Refuge	Outflow	S10A	7.6	0.3	7.4	7.6	7.9	6.9	8.1	45	0 ± 0	NC
pH, Field	pH Units	Refuge	Outflow	S10C	7.7	0.3	7.5	7.8	7.9	6.7	8.5	49	0 ± 0	NC
pH, Field	pH Units	Refuge	Outflow	S10D	7.6	0.3	7.4	7.6	7.8	6.8	8.1	74	0 ± 0	NC
pH, Field	pH Units	Refuge	Outflow	S39	7.6	0.4	7.4	7.6	7.8	6.8	8.5	86	0 ± 0	NC
pH, Field	pH Units	Refuge	Rim	LOXA104	7.6	0.3	7.5	7.6	7.8	7.0	8.0	41	0 ± 0	NC
pH, Field	pH Units	Refuge	Rim	LOXA135	7.4	0.2	7.3	7.4	7.6	7.0	8.0	40	0 ± 0	NC
pH, Field	pH Units	Refuge	Rim	X0	7.5	0.2	7.2	7.5	7.6	7.0	7.9	37	0 ± 0	NC
pH, Field	pH Units	Refuge	Rim	Z0	7.4	0.3	7.3	7.5	7.6	6.8	7.9	37	0 ± 0	NC
pH, Field	pH Units	WCA-2	Inflow	E0	7.4	0.3	7.3	7.4	7.5	7.0	8.4	37	2.7 ± 4.4	MC
pH, Field	pH Units	WCA-2	Inflow	F0	7.4	0.3	7.1	7.4	7.5	7.0	8.2	38	2.6 ± 4.3	MC
pH, Field	pH Units	WCA-2	Inflow	G335	7.6	0.2	7.5	7.6	7.8	7.0	8.4	256	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
pH, Field	pH Units	WCA-2	Inflow	S10A	7.6	0.3	7.4	7.6	7.9	6.9	8.1	45	0 ± 0	NC
pH, Field	pH Units	WCA-2	Inflow	S10C	7.7	0.3	7.5	7.8	7.9	6.7	8.5	49	0 ± 0	NC
pH, Field	pH Units	WCA-2	Inflow	S10D	7.6	0.3	7.4	7.6	7.8	6.8	8.1	74	0 ± 0	NC
pH, Field	pH Units	WCA-2	Inflow	S7	7.7	0.2	7.5	7.7	7.8	6.8	8.2	256	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	404C2	7.4	0.2	7.3	7.4	7.6	7.0	7.7	30	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	404Z1	7.6	0.0	0.0	7.6	0.0	7.6	7.6	1	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	CA215	7.6	0.2	7.5	7.6	7.7	7.0	8.1	58	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	CA217	7.6	0.0	0.0	7.6	0.0	7.6	7.6	1	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	CA222	7.8	0.0	0.0	7.8	0.0	7.8	7.8	1	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	CA224	7.4	0.0	0.0	7.4	0.0	7.4	7.4	1	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	CA27	7.4	0.2	7.3	7.4	7.5	6.5	7.8	66	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	CA28	7.4	0.2	7.3	7.4	7.5	6.8	8.2	63	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	CA29	7.6	0.2	7.4	7.6	7.7	7.1	8.2	72	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	E1	7.1	0.2	7.0	7.2	7.3	6.8	7.4	29	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	E2	7.1	0.2	7.0	7.1	7.2	6.7	7.5	19	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	E3	7.2	0.2	7.0	7.2	7.3	6.8	7.6	25	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	E4	7.1	0.2	6.9	7.1	7.2	6.7	7.5	31	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	E5	7.3	0.2	7.2	7.3	7.5	6.8	7.7	33	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	F1	7.3	0.3	7.1	7.3	7.5	6.6	8.1	92	1.1 ± 1.8	MC
pH, Field	pH Units	WCA-2	Interior	F2	7.2	0.2	7.1	7.2	7.4	6.5	7.8	85	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	F3	7.2	0.2	7.1	7.2	7.4	6.8	7.7	29	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	F4	7.2	0.2	7.1	7.2	7.3	6.5	7.8	98	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	F5	7.3	0.3	7.2	7.4	7.5	6.3	7.8	31	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	N1	7.4	0.2	7.3	7.4	7.6	6.9	8.0	35	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	S145	7.6	0.2	7.4	7.6	7.7	7.0	8.1	92	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	U1	7.3	0.3	7.1	7.3	7.4	6.3	7.8	35	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	U2	7.4	0.2	7.3	7.4	7.6	7.0	7.9	30	0 ± 0	NC
pH, Field	pH Units	WCA-2	Interior	U3	7.5	0.2	7.4	7.5	7.6	6.6	7.8	52	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
pH, Field	pH Units	WCA-2	Outflow	S11A	7.8	0.3	7.6	7.8	8.0	6.8	8.4	82	0 ± 0	NC
pH, Field	pH Units	WCA-2	Outflow	S11B	7.6	0.3	7.5	7.6	7.8	6.6	8.2	63	0 ± 0	NC
pH, Field	pH Units	WCA-2	Outflow	S11C	7.6	0.2	7.5	7.6	7.7	6.8	8.1	75	0 ± 0	NC
pH, Field	pH Units	WCA-2	Outflow	S34	7.7	0.3	7.4	7.7	7.9	7.1	8.2	83	0 ± 0	NC
pH, Field	pH Units	WCA-2	Outflow	S38	7.4	0.2	7.3	7.4	7.6	7.0	8.1	97	0 ± 0	NC
pH, Field	pH Units	WCA-3	Inflow	3AE0	7.2	0.8	6.5	7.3	7.8	6.1	8.1	5	20 ± 29.4	PC
pH, Field	pH Units	WCA-3	Inflow	3AW0	7.7	0.4	7.4	7.8	8.1	6.8	8.3	37	32.4 ± 12.7	MC
pH, Field	pH Units	WCA-3	Inflow	C123SR84	7.5	0.3	7.3	7.5	7.8	7.1	8.1	68	0 ± 0	NC
pH, Field	pH Units	WCA-3	Inflow	G123	7.3	0.2	7.2	7.3	7.5	7.0	7.9	141	0 ± 0	NC
pH, Field	pH Units	WCA-3	Inflow	G204	7.2	0.3	7.0	7.2	7.4	6.8	7.8	19	0 ± 0	NC
pH, Field	pH Units	WCA-3	Inflow	G205	7.3	0.4	7.1	7.2	7.6	6.4	8.1	19	0 ± 0	NC
pH, Field	pH Units	WCA-3	Inflow	G206	7.2	0.5	7.1	7.2	7.5	6.1	8.0	19	0 ± 0	NC
pH, Field	pH Units	WCA-3	Inflow	L3BRS	7.6	0.3	7.4	7.6	7.8	6.7	8.2	168	0 ± 0	NC
pH, Field	pH Units	WCA-3	Inflow	S11A	7.8	0.3	7.6	7.8	8.0	6.8	8.4	82	0 ± 0	NC
pH, Field	pH Units	WCA-3	Inflow	S11B	7.6	0.3	7.5	7.6	7.8	6.6	8.2	63	0 ± 0	NC
pH, Field	pH Units	WCA-3	Inflow	S11C	7.6	0.2	7.5	7.6	7.7	6.8	8.1	75	0 ± 0	NC
pH, Field	pH Units	WCA-3	Inflow	S140	7.6	0.3	7.4	7.6	7.9	6.5	8.4	261	0 ± 0	NC
pH, Field	pH Units	WCA-3	Inflow	S142	7.6	0.2	7.5	7.6	7.7	7.0	8.1	63	0 ± 0	NC
pH, Field	pH Units	WCA-3	Inflow	S150	7.7	0.2	7.6	7.7	7.9	7.1	8.2	175	0 ± 0	NC
pH, Field	pH Units	WCA-3	Inflow	S151	7.5	0.2	7.4	7.5	7.6	6.8	8.3	86	0 ± 0	NC
pH, Field	pH Units	WCA-3	Inflow	S190	7.6	0.3	7.3	7.6	7.9	6.8	8.7	255	0.4 ± 0.6	MC
pH, Field	pH Units	WCA-3	Inflow	S8	7.5	0.3	7.3	7.5	7.7	6.7	8.7	259	0.4 ± 0.6	MC
pH, Field	pH Units	WCA-3	Inflow	S9	7.3	0.2	7.2	7.3	7.4	7.0	8.1	260	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	3AE05	7.0	0.1	7.0	7.1	7.1	7.0	7.1	3	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	3AE10	7.0	0.1	6.9	7.0	7.0	6.9	7.0	3	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	3AE15	7.1	0.0	7.1	7.1	7.1	7.1	7.1	3	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	3AE20	7.2	0.2	7.0	7.1	7.4	7.0	7.6	5	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	3AE40	7.4	0.2	7.3	7.5	7.6	7.2	7.6	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	Excursion Category
pH, Field	pH Units	WCA-3	Interior	3ANMESO	7.2	0.2	7.0	7.1	7.3	6.7	7.8	36	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	3ASMESO	7.2	0.3	7.0	7.1	7.3	6.6	7.9	37	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	3AW05	7.0	0.1	7.0	7.1	7.1	7.0	7.1	3	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	3AW10	7.0	0.1	0.0	7.0	0.0	6.9	7.1	2	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	3AW15	7.0	0.1	7.0	7.0	7.1	7.0	7.1	3	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	3AW20	7.1	0.1	7.0	7.1	7.2	7.0	7.2	4	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	3AW40	7.4	0.3	7.2	7.5	7.7	7.0	7.7	5	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA311	7.4	0.2	7.2	7.4	7.5	6.8	7.9	79	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA314	7.7	0.0	0.0	7.7	0.0	7.7	7.7	1	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA315	7.1	0.3	6.9	7.1	7.3	6.4	7.8	89	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA316	7.3	0.2	7.2	7.3	7.4	6.8	8.3	78	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA317	7.5	0.3	7.4	7.6	7.7	6.9	8.2	95	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA318	7.2	0.2	7.0	7.2	7.3	6.6	7.7	90	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA319	7.5	0.0	0.0	7.5	0.0	7.5	7.5	1	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA32	7.4	0.2	7.2	7.4	7.6	6.4	7.8	52	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA325	7.5	0.0	0.0	7.5	0.0	7.5	7.5	1	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA33	7.2	0.2	7.1	7.2	7.3	6.7	7.6	44	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA34	7.2	0.2	7.1	7.2	7.4	6.8	7.7	53	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA35	7.2	0.2	7.1	7.2	7.4	6.8	7.5	32	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA36	7.2	0.2	7.1	7.2	7.3	6.8	7.7	44	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA38	7.2	0.2	7.0	7.2	7.3	6.7	7.7	55	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA3B1	7.8	0.0	0.0	7.8	0.0	7.8	7.8	1	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	CA3B2	7.3	0.0	0.0	7.3	0.0	7.3	7.3	1	0 ± 0	NC
pH, Field	pH Units	WCA-3	Interior	S345B6	7.2	0.2	7.1	7.2	7.3	6.7	7.4	11	0 ± 0	NC
pH, Field	pH Units	WCA-3	Outflow	S12A	7.3	0.2	7.2	7.3	7.4	7.0	8.1	208	0 ± 0	NC
pH, Field	pH Units	WCA-3	Outflow	S12B	7.3	0.2	7.1	7.2	7.4	6.8	8.1	90	0 ± 0	NC
pH, Field	pH Units	WCA-3	Outflow	S12C	7.3	0.2	7.2	7.3	7.4	6.9	7.8	148	0 ± 0	NC
pH, Field	pH Units	WCA-3	Outflow	S12D	7.3	0.2	7.2	7.3	7.4	7.0	7.8	146	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
pH, Field	pH Units	WCA-3	Outflow	S197	7.7	0.4	7.3	7.8	8.0	6.9	8.2	21	0 ± 0	NC
pH, Field	pH Units	WCA-3	Outflow	S31	7.5	0.2	7.4	7.5	7.6	7.0	8.0	72	0 ± 0	NC
pH, Field	pH Units	WCA-3	Outflow	S333	7.4	0.2	7.2	7.4	7.5	6.9	7.9	259	0 ± 0	NC
pH, Field	pH Units	WCA-3	Outflow	S334	7.5	0.3	7.3	7.6	7.7	7.0	8.0	24	0 ± 0	NC
pH, Field	pH Units	WCA-3	Outflow	S344	7.3	0.3	7.1	7.3	7.5	6.9	7.9	19	0 ± 0	NC
pH, Field	pH Units	WCA-3	Outflow	S355A	7.6	0.3	7.4	7.5	7.7	7.1	8.5	47	0 ± 0	NC
pH, Field	pH Units	WCA-3	Outflow	S355B	7.5	0.4	7.2	7.4	7.7	6.9	8.5	46	0 ± 0	NC
pH, Field	pH Units	WCA-3	Outflow	US41-25	7.2	0.2	7.1	7.2	7.3	6.8	7.8	92	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Inflow	S12A	405.8	132.9	324.8	367.0	448.5	215.0	874.0	210	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Inflow	S12B	417.5	109.7	328.0	414.0	461.0	199.0	701.0	91	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Inflow	S12C	463.7	119.4	362.8	459.0	548.0	210.0	781.0	148	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Inflow	S12D	581.4	134.5	511.5	605.0	672.8	214.0	835.0	148	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Inflow	S176	544.0	38.3	526.0	536.5	562.3	467.0	652.0	68	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Inflow	S18C	555.2	48.8	529.0	548.0	568.0	460.0	880.0	249	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Inflow	S332D	544.8	38.0	528.5	537.0	563.0	466.0	652.0	65	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Inflow	S333	574.3	158.8	430.0	611.0	692.0	213.0	905.0	259	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Inflow	S355A	441.8	119.2	348.0	446.0	528.0	214.0	687.0	47	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Inflow	S355B	438.4	129.9	338.0	426.5	535.8	205.0	683.0	46	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Inflow	US41-25	407.7	89.7	341.8	418.0	471.5	218.0	676.0	92	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Interior	EP	521.9	104.8	454.0	488.0	584.0	369.0	868.0	43	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Interior	NE1	505.8	180.2	372.8	524.0	666.0	0.5	772.0	52	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Interior	NP201	515.6	183.4	437.3	522.0	601.3	0.6	1166.0	46	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Interior	P33	558.6	181.1	432.0	601.0	688.0	0.6	933.0	55	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Interior	P34	350.1	122.6	277.0	312.5	431.0	0.3	604.0	42	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Interior	P35	460.6	136.8	384.0	441.0	504.0	269.0	980.0	35	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Interior	P36	488.3	153.0	399.0	480.0	621.0	0.6	723.0	51	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Interior	P37	310.4	90.5	241.8	285.0	369.5	186.0	543.0	36	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Interior	S12C10	592.4	80.0	506.3	610.5	648.5	496.4	717.9	8	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
SP Conductivity, Field	µmhos/cm	ENP	Interior	S12C2	478.4	74.7	412.8	464.8	550.8	388.0	580.8	5	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Interior	S12C6	501.7	112.5	410.1	502.9	592.8	381.6	681.2	5	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Interior	T24	335.3	55.6	291.5	309.3	392.2	279.3	415.5	5	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Interior	T33	379.9	72.5	326.5	375.9	444.2	276.2	482.2	7	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	ENP	Interior	TSB	440.3	82.7	405.0	467.0	494.0	233.0	556.0	38	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Inflow	ACME1DS	644.0	166.6	514.0	631.0	766.0	361.0	1121.0	27	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Inflow	ENR012	967.7	163.9	850.0	963.0	1055.0	432.9	1438.0	259	4.2 ± 2.1	MC
SP Conductivity, Field	µmhos/cm	Refuge	Inflow	G300	896.5	275.8	670.9	839.6	1142.3	378.7	1546.0	254	9.8 ± 3.1	MC
SP Conductivity, Field	µmhos/cm	Refuge	Inflow	G301	939.3	302.0	684.0	919.0	1199.0	347.7	1683.0	255	14.5 ± 3.6	MC
SP Conductivity, Field	µmhos/cm	Refuge	Inflow	G310	1010.9	128.9	920.1	1013.0	1095.0	553.0	1354.0	259	3.5 ± 1.9	MC
SP Conductivity, Field	µmhos/cm	Refuge	Inflow	G94D	581.7	149.3	513.8	568.0	633.7	297.0	1116.0	28	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Inflow	S362	910.7	282.7	705.3	844.3	1106.3	338.8	1573.0	260	15.4 ± 3.7	MC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOX10	136.9	52.5	102.4	122.7	152.2	84.0	351.7	42	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOX11	110.4	34.6	84.7	101.8	128.0	57.3	203.0	50	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOX12	160.8	58.7	118.4	151.2	182.4	79.7	398.0	53	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOX13	113.0	26.1	98.0	109.0	129.7	63.5	172.4	49	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOX14	184.0	75.3	134.8	162.9	214.6	102.0	502.0	51	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOX15	333.2	154.6	206.3	294.2	457.9	120.0	674.8	52	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOX16	176.2	92.9	121.5	139.3	224.3	87.0	559.0	52	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOX3	108.9	24.9	89.5	104.2	129.8	63.5	158.9	34	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOX4	307.6	132.1	201.7	268.9	409.5	140.1	685.0	43	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOX5	99.6	21.3	85.5	98.8	114.0	61.2	155.0	35	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOX6	245.7	103.5	156.1	239.0	294.0	100.3	502.9	47	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOX7	118.5	35.7	91.0	111.1	136.4	65.9	210.1	50	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOX8	111.8	39.6	85.4	101.2	126.8	57.8	234.0	53	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOX9	118.3	24.5	101.1	109.8	133.5	77.2	184.5	41	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOXA101	685.0	103.2	0.0	685.0	0.0	612.0	758.0	2	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOXA105	547.1	248.5	337.5	557.0	737.5	195.0	979.0	33	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOXA106	375.9	193.9	191.0	325.0	491.0	150.0	796.0	31	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOXA107	186.3	82.1	139.5	175.5	195.5	111.0	524.2	22	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOXA108	132.1	28.8	111.3	131.5	150.0	74.7	214.0	28	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOXA130	443.5	188.8	0.0	443.5	0.0	310.0	577.0	2	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOXA136	389.2	195.8	210.6	354.5	553.8	146.0	811.0	32	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOXA137	262.7	149.6	151.8	233.0	359.5	104.0	743.0	33	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOXA138	181.8	95.8	122.4	144.0	216.5	85.0	460.0	29	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOXA139	99.6	24.7	82.0	104.0	116.0	43.0	158.0	27	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	LOXA140	345.0	0.0	0.0	345.0	0.0	345.0	345.0	1	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	WCA1MESO	110.6	52.3	71.2	97.7	138.4	38.0	246.6	38	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	X1	537.5	276.0	264.3	583.7	784.9	88.0	924.6	25	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	X2	250.6	153.4	137.6	194.1	367.2	82.9	578.0	31	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	X3	144.4	57.4	97.8	139.6	179.9	68.0	334.6	34	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	X4	145.8	68.6	102.1	123.3	161.9	63.5	363.9	39	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	Y4	136.3	48.0	98.6	131.3	156.8	65.1	286.3	38	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	Z1	628.5	262.5	428.8	682.8	830.3	137.1	1050.0	33	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	Z2	341.9	187.1	187.3	271.2	511.9	91.1	668.2	33	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	Z3	168.2	75.6	109.3	160.9	211.0	67.5	407.8	39	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Interior	Z4	142.9	50.5	100.1	148.0	166.8	67.4	275.2	39	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Outflow	G94B	501.6	194.9	346.0	541.5	642.0	191.6	976.0	64	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Outflow	S10A	520.9	230.1	348.0	490.0	647.8	184.0	1044.0	45	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Outflow	S10C	573.2	247.0	368.5	533.0	756.5	190.0	1103.0	49	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Outflow	S10D	688.0	243.9	479.3	690.5	904.5	220.1	1176.0	74	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Outflow	S39	485.6	191.8	320.3	464.0	607.3	189.0	1034.0	86	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Rim	LOXA104	791.5	214.7	605.7	827.0	945.0	303.0	1126.0	41	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Rim	LOXA135	760.4	170.7	655.5	729.5	859.5	455.4	1315.0	40	2.5 ± 4.1	MC
SP Conductivity, Field	µmhos/cm	Refuge	Rim	X0	668.0	241.9	457.3	681.5	862.2	212.8	1102.0	37	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	Refuge	Rim	Z0	648.9	248.8	437.0	662.0	839.5	107.9	1102.0	37	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
SP Conductivity, Field	µmhos/cm	WCA-2	Inflow	E0	749.0	248.9	596.1	764.5	951.5	213.4	1109.0	37	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Inflow	F0	783.1	263.6	649.6	785.6	995.9	247.5	1160.0	38	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Inflow	G335	1174.3	157.3	1057.0	1197.0	1266.0	684.0	1612.0	261	19.9 ± 4.1	MC
SP Conductivity, Field	µmhos/cm	WCA-2	Inflow	S10A	520.9	230.1	348.0	490.0	647.8	184.0	1044.0	45	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Inflow	S10C	573.2	247.0	368.5	533.0	756.5	190.0	1103.0	49	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Inflow	S10D	688.0	243.9	479.3	690.5	904.5	220.1	1176.0	74	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Inflow	S7	884.8	142.8	791.0	884.5	989.8	469.0	1301.0	256	0.8 ± 0.9	MC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	404C2	1056.5	163.3	951.8	1119.0	1188.0	538.0	1345.0	29	3.4 ± 5.6	MC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	404Z1	1048.0	0.0	0.0	1048.0	0.0	1048.0	1048.0	1	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	CA215	824.1	173.4	673.0	824.4	958.0	493.0	1345.0	57	1.8 ± 2.9	MC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	CA217	705.0	0.0	0.0	705.0	0.0	705.0	705.0	1	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	CA224	758.0	0.0	0.0	758.0	0.0	758.0	758.0	1	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	CA27	1013.1	176.3	949.0	1027.5	1120.5	448.0	1371.0	64	6.3 ± 5	MC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	CA28	1064.1	161.2	959.0	1110.0	1174.0	458.0	1323.0	61	3.3 ± 3.8	MC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	CA29	994.5	184.2	887.0	974.8	1086.5	578.0	1591.0	70	7.1 ± 5.1	MC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	E1	966.5	309.6	774.4	932.0	1133.0	289.9	1836.0	29	17.2 ± 11.5	MC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	E2	774.9	266.4	629.8	843.5	986.6	138.7	1269.0	19	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	E3	859.1	246.8	723.6	824.9	994.0	383.9	1381.0	25	4 ± 6.4	PC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	E4	756.7	253.0	612.7	775.9	955.2	222.4	1209.0	31	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	E5	753.3	217.3	636.2	712.1	878.4	297.8	1194.0	32	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	F1	1235.5	526.4	853.7	1092.0	1433.5	324.4	2753.0	89	37.1 ± 8.4	MC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	F2	997.4	328.8	764.5	961.0	1184.0	347.9	1787.0	85	20 ± 7.1	MC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	F3	986.0	291.2	808.1	889.0	1133.5	565.8	1681.0	29	17.2 ± 11.5	MC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	F4	801.3	222.7	659.0	829.0	964.5	131.7	1275.0	97	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	F5	845.4	186.1	669.1	850.2	996.1	529.6	1157.5	31	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	N1	1070.2	141.2	948.0	1100.0	1183.5	698.0	1304.0	34	2.9 ± 4.8	MC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	S145	704.1	173.9	574.8	691.0	842.8	373.0	1098.0	92	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	U1	692.3	206.1	543.5	703.3	819.4	183.3	1186.0	34	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	U2	781.9	213.1	637.6	812.1	935.6	210.6	1192.0	30	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Interior	U3	838.6	196.2	715.8	832.3	939.0	214.7	1520.5	52	3.8 ± 4.4	MC
SP Conductivity, Field	µmhos/cm	WCA-2	Outflow	S11A	809.4	147.4	706.0	823.5	896.3	487.0	1143.0	82	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Outflow	S11B	824.5	154.0	700.0	845.0	926.3	472.0	1124.0	62	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Outflow	S11C	854.4	145.4	755.0	872.5	939.0	466.0	1183.0	74	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Outflow	S34	714.0	157.1	586.0	683.0	816.0	428.0	1096.0	83	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-2	Outflow	S38	623.4	195.5	468.5	622.0	748.0	7.2	1099.0	97	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	3AE0	398.0	89.9	302.6	434.1	475.5	284.1	482.5	5	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	3AW0	421.5	72.4	364.5	438.1	472.7	285.9	554.2	37	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	C123SR84	632.1	119.4	533.3	620.5	715.8	384.0	933.0	68	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	G123	869.9	79.2	839.0	890.0	923.5	522.0	1009.0	141	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	G204	683.4	188.8	585.0	705.0	826.0	261.0	1041.0	19	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	G205	723.5	186.4	583.3	735.4	862.8	235.0	1014.0	18	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	G206	648.0	278.7	376.3	740.5	851.3	117.0	1006.0	18	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	L3BRS	658.6	163.9	543.5	628.0	760.4	330.7	1135.0	169	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	S11A	809.4	147.4	706.0	823.5	896.3	487.0	1143.0	82	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	S11B	824.5	154.0	700.0	845.0	926.3	472.0	1124.0	62	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	S11C	854.4	145.4	755.0	872.5	939.0	466.0	1183.0	74	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	S140	692.4	188.1	553.5	686.0	821.0	257.0	1172.0	261	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	S142	835.6	162.0	712.0	847.0	953.0	475.0	1135.0	63	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	S150	890.0	161.1	795.0	903.0	1002.0	461.0	1341.0	175	1.7 ± 1.6	MC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	S151	761.4	88.8	700.8	762.0	807.3	588.0	1120.0	86	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	S190	520.7	78.0	475.0	516.0	559.0	252.3	845.0	255	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	S8	725.3	154.9	602.0	725.0	865.5	351.0	1020.0	260	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Inflow	S9	771.1	60.2	745.0	796.0	812.8	550.0	841.0	260	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	3AE05	348.8	72.5	291.3	325.0	430.2	291.3	430.2	3	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	3AE10	362.3	94.2	298.3	318.0	470.5	298.3	470.5	3	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	3AE15	359.4	48.4	312.6	356.5	409.2	312.6	409.2	3	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	3AE20	374.1	65.7	319.6	354.0	438.8	315.5	474.1	5	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	3AE40	360.3	68.4	303.7	367.2	413.6	246.4	416.8	5	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	3ANMESO	395.6	88.4	328.9	392.8	439.7	190.2	629.2	36	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	3ASMESO	359.6	80.7	293.2	356.2	408.6	179.0	583.2	37	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	3AW05	346.8	74.7	285.0	325.6	429.9	285.0	429.9	3	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	3AW10	349.1	61.1	306.7	321.5	419.2	306.7	419.2	3	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	3AW15	350.2	44.2	303.6	355.4	391.5	303.6	391.5	3	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	3AW20	339.1	43.8	298.9	335.4	383.1	293.7	392.0	4	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	3AW40	328.7	71.4	275.9	348.4	371.7	204.0	386.2	5	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA311	460.0	89.2	393.5	439.0	528.5	284.0	693.0	77	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA314	509.0	0.0	0.0	509.0	0.0	509.0	509.0	1	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA315	444.9	94.5	377.0	437.0	501.0	262.0	749.0	87	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA316	799.0	135.0	745.3	819.0	885.8	434.0	1030.0	78	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA317	721.8	98.3	659.5	722.0	780.5	517.0	1072.0	93	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA318	617.5	119.9	550.5	641.0	692.5	24.0	837.0	89	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA319	381.0	0.0	0.0	381.0	0.0	381.0	381.0	1	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA32	604.7	172.3	474.0	607.0	722.0	289.0	1074.0	51	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA325	540.0	0.0	0.0	540.0	0.0	540.0	540.0	1	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA33	507.7	191.3	358.6	489.0	602.0	258.8	1029.0	43	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA34	543.2	109.6	447.4	556.5	611.8	326.0	795.0	52	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA35	471.4	128.0	379.0	487.0	559.0	251.9	809.0	31	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA36	722.3	165.2	607.0	732.7	810.0	461.0	1146.0	43	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA38	406.0	88.6	331.8	381.5	485.3	273.0	622.0	54	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA3B1	523.0	0.0	0.0	523.0	0.0	523.0	523.0	1	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	CA3B2	615.0	0.0	0.0	615.0	0.0	615.0	615.0	1	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Interior	S345B6	598.6	89.2	529.5	624.8	647.0	433.3	761.3	11	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Outflow	S12A	405.8	132.9	324.8	367.0	448.5	215.0	874.0	210	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Outflow	S12B	417.5	109.7	328.0	414.0	461.0	199.0	701.0	91	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
SP Conductivity, Field	µmhos/cm	WCA-3	Outflow	S12C	463.7	119.4	362.8	459.0	548.0	210.0	781.0	148	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Outflow	S12D	581.4	134.5	511.5	605.0	672.8	214.0	835.0	148	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Outflow	S197	614.1	223.3	510.0	541.0	622.5	452.0	1472.0	21	4.8 ± 7.6	PC
SP Conductivity, Field	µmhos/cm	WCA-3	Outflow	S31	741.0	59.3	713.5	735.5	758.8	620.0	975.0	72	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Outflow	S333	574.3	158.8	430.0	611.0	692.0	213.0	905.0	259	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Outflow	S334	557.2	99.7	473.0	579.0	630.0	356.0	729.0	24	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Outflow	S344	332.8	74.5	288.8	325.5	388.0	178.0	445.0	18	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Outflow	S355A	441.8	119.2	348.0	446.0	528.0	214.0	687.0	47	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Outflow	S355B	438.4	129.9	338.0	426.5	535.8	205.0	683.0	46	0 ± 0	NC
SP Conductivity, Field	µmhos/cm	WCA-3	Outflow	US41-25	407.7	89.7	341.8	418.0	471.5	218.0	676.0	92	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	S12A	2.1	2.1	0.7	1.2	2.9	0.5	9.3	36	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	S12B	2.1	1.5	1.0	1.5	3.5	0.5	4.8	20	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	S12C	1.5	1.1	0.9	1.1	1.8	0.6	5.1	20	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	S12D	2.5	2.6	1.2	1.8	2.7	0.8	12.8	21	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	S176	1.6	0.5	1.2	1.5	2.1	1.0	3.0	21	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	S18C	1.7	2.4	0.9	1.1	1.7	0.6	15.7	43	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	S332D	1.7	0.7	1.1	1.7	2.3	0.6	3.0	28	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	S333	1.9	1.5	0.9	1.4	2.6	0.5	6.9	41	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	S355A	2.2	2.5	1.1	1.2	2.3	0.4	10.2	15	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	S355B	3.2	3.4	1.0	1.5	5.2	0.5	11.3	15	0 ± 0	NC
Turbidity	NTU	ENP	Inflow	US41-25	2.1	1.6	0.9	1.3	3.0	0.5	6.2	39	0 ± 0	NC
Turbidity	NTU	ENP	Interior	EP	1.1	1.1	0.6	0.8	1.0	0.3	5.0	28	0 ± 0	NC
Turbidity	NTU	ENP	Interior	NE1	1.3	1.1	0.6	0.8	1.3	0.4	4.9	43	0 ± 0	NC
Turbidity	NTU	ENP	Interior	NP201	1.5	1.4	0.6	1.0	1.7	0.5	7.5	38	0 ± 0	NC
Turbidity	NTU	ENP	Interior	P33	1.5	1.4	0.7	1.0	1.7	0.4	7.6	50	0 ± 0	NC
Turbidity	NTU	ENP	Interior	P34	0.9	0.4	0.6	0.8	1.1	0.4	2.2	33	0 ± 0	NC
Turbidity	NTU	ENP	Interior	P35	1.2	0.5	0.8	1.0	1.3	0.5	2.4	25	0 ± 0	NC
Turbidity	NTU	ENP	Interior	P36	2.2	2.2	1.1	1.6	2.6	0.3	12.4	41	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Turbidity	NTU	ENP	Interior	P37	1.2	0.7	0.7	0.9	1.3	0.5	3.0	22	0 ± 0	NC
Turbidity	NTU	ENP	Interior	TSB	0.9	0.6	0.5	0.8	1.2	0.1	2.6	34	0 ± 0	NC
Turbidity	NTU	Refuge	Inflow	ACME1DS	4.3	3.2	2.2	3.0	5.1	1.2	12.5	27	0 ± 0	NC
Turbidity	NTU	Refuge	Inflow	ENR012	5.4	4.8	1.9	3.1	7.8	1.1	17.9	42	0 ± 0	NC
Turbidity	NTU	Refuge	Inflow	G300	10.5	4.5	7.4	7.9	15.0	7.1	17.5	5	0 ± 0	NC
Turbidity	NTU	Refuge	Inflow	G310	3.9	3.8	2.3	2.9	3.7	1.0	20.1	42	0 ± 0	NC
Turbidity	NTU	Refuge	Inflow	G94D	6.2	6.4	2.7	4.5	8.5	0.9	34.7	28	3.6 ± 5.8	MC
Turbidity	NTU	Refuge	Interior	LOX10	0.7	0.1	0.6	0.7	0.8	0.5	1.0	24	0 ± 0	NC
Turbidity	NTU	Refuge	Interior	LOX11	0.7	0.3	0.5	0.7	0.8	0.4	2.2	42	0 ± 0	NC
Turbidity	NTU	Refuge	Interior	LOX12	0.6	0.2	0.5	0.6	0.7	0.3	1.6	57	0 ± 0	NC
Turbidity	NTU	Refuge	Interior	LOX13	0.7	0.3	0.6	0.7	0.8	0.4	2.5	43	0 ± 0	NC
Turbidity	NTU	Refuge	Interior	LOX14	0.6	0.2	0.5	0.6	0.6	0.3	1.3	54	0 ± 0	NC
Turbidity	NTU	Refuge	Interior	LOX15	0.7	0.3	0.5	0.6	0.7	0.3	2.6	55	0 ± 0	NC
Turbidity	NTU	Refuge	Interior	LOX16	0.6	0.2	0.5	0.6	0.7	0.3	1.2	51	0 ± 0	NC
Turbidity	NTU	Refuge	Interior	LOX3	1.0	0.3	0.7	1.0	1.0	0.6	1.6	8	0 ± 0	NC
Turbidity	NTU	Refuge	Interior	LOX4	0.7	0.3	0.5	0.7	0.9	0.4	1.4	32	0 ± 0	NC
Turbidity	NTU	Refuge	Interior	LOX5	1.0	0.4	0.7	1.0	1.2	0.5	2.0	10	0 ± 0	NC
Turbidity	NTU	Refuge	Interior	LOX6	0.6	0.2	0.5	0.6	0.8	0.4	1.2	41	0 ± 0	NC
Turbidity	NTU	Refuge	Interior	LOX7	0.8	0.3	0.7	0.8	0.9	0.3	2.4	49	0 ± 0	NC
Turbidity	NTU	Refuge	Interior	LOX8	0.9	0.4	0.7	0.8	1.0	0.4	2.8	52	0 ± 0	NC
Turbidity	NTU	Refuge	Interior	LOX9	0.8	0.2	0.6	0.8	0.9	0.4	1.2	26	0 ± 0	NC
Turbidity	NTU	Refuge	Outflow	G94B	2.7	2.7	1.5	2.2	2.9	1.0	20.6	64	0 ± 0	NC
Turbidity	NTU	Refuge	Outflow	S10A	2.5	3.8	1.0	1.4	2.4	0.7	18.1	20	0 ± 0	NC
Turbidity	NTU	Refuge	Outflow	S10C	1.7	1.3	0.8	1.1	2.5	0.6	4.4	23	0 ± 0	NC
Turbidity	NTU	Refuge	Outflow	S10D	4.0	7.8	1.2	1.9	4.0	0.7	51.0	46	2.2 ± 3.5	MC
Turbidity	NTU	Refuge	Outflow	S39	1.7	1.3	0.8	1.1	2.1	0.4	9.4	86	0 ± 0	NC
Turbidity	NTU	Refuge	Rim	LOXA104	7.1	0.0	0.0	7.1	0.0	7.1	7.1	1	0 ± 0	NC
Turbidity	NTU	Refuge	Rim	LOXA135	11.6	0.0	0.0	11.6	0.0	11.6	11.6	1	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Turbidity	NTU	WCA-2	Inflow	G335	1.7	0.8	1.1	1.4	2.2	0.5	4.2	42	0 ± 0	NC
Turbidity	NTU	WCA-2	Inflow	S10A	2.5	3.8	1.0	1.4	2.4	0.7	18.1	20	0 ± 0	NC
Turbidity	NTU	WCA-2	Inflow	S10C	1.7	1.3	0.8	1.1	2.5	0.6	4.4	23	0 ± 0	NC
Turbidity	NTU	WCA-2	Inflow	S10D	4.0	7.8	1.2	1.9	4.0	0.7	51.0	46	2.2 ± 3.5	MC
Turbidity	NTU	WCA-2	Inflow	S7	2.1	1.5	1.2	1.6	2.4	0.1	9.8	139	0 ± 0	NC
Turbidity	NTU	WCA-2	Interior	CA215	0.8	0.3	0.6	0.7	1.0	0.4	2.1	47	0 ± 0	NC
Turbidity	NTU	WCA-2	Interior	CA27	0.8	0.3	0.6	0.7	0.9	0.4	1.6	51	0 ± 0	NC
Turbidity	NTU	WCA-2	Interior	CA28	1.3	1.1	0.8	1.0	1.4	0.5	5.6	48	0 ± 0	NC
Turbidity	NTU	WCA-2	Interior	CA29	0.7	0.3	0.6	0.7	0.9	0.4	2.1	54	0 ± 0	NC
Turbidity	NTU	WCA-2	Interior	F1	1.4	1.4	0.7	1.0	1.4	0.4	8.9	46	0 ± 0	NC
Turbidity	NTU	WCA-2	Interior	F2	1.5	1.6	0.6	0.8	1.6	0.3	7.7	45	0 ± 0	NC
Turbidity	NTU	WCA-2	Interior	F4	0.7	0.3	0.5	0.6	0.8	0.3	1.6	51	0 ± 0	NC
Turbidity	NTU	WCA-2	Interior	S145	1.4	1.0	0.8	1.1	1.7	0.4	5.4	91	0 ± 0	NC
Turbidity	NTU	WCA-2	Interior	U3	0.6	0.2	0.4	0.6	0.7	0.2	1.1	19	0 ± 0	NC
Turbidity	NTU	WCA-2	Outflow	S11A	2.0	1.4	1.1	1.5	2.5	0.6	8.0	81	0 ± 0	NC
Turbidity	NTU	WCA-2	Outflow	S11B	2.3	2.4	1.1	1.5	2.7	0.5	15.9	60	0 ± 0	NC
Turbidity	NTU	WCA-2	Outflow	S11C	2.1	2.0	1.1	1.4	2.9	0.3	14.1	71	0 ± 0	NC
Turbidity	NTU	WCA-2	Outflow	S34	1.8	1.0	1.0	1.4	2.5	0.5	5.6	83	0 ± 0	NC
Turbidity	NTU	WCA-2	Outflow	S38	1.3	0.9	0.7	1.0	1.5	0.3	4.7	98	0 ± 0	NC
Turbidity	NTU	WCA-3	Inflow	C123SR84	2.8	2.5	1.2	2.2	3.4	0.6	14.6	67	0 ± 0	NC
Turbidity	NTU	WCA-3	Inflow	G123	1.7	1.0	1.0	1.5	2.2	0.4	7.0	61	0 ± 0	NC
Turbidity	NTU	WCA-3	Inflow	L3BRS	5.0	6.5	2.1	3.2	5.2	0.6	60.4	133	0.8 ± 1.2	MC
Turbidity	NTU	WCA-3	Inflow	S11A	2.0	1.4	1.1	1.5	2.5	0.6	8.0	81	0 ± 0	NC
Turbidity	NTU	WCA-3	Inflow	S11B	2.3	2.4	1.1	1.5	2.7	0.5	15.9	60	0 ± 0	NC
Turbidity	NTU	WCA-3	Inflow	S11C	2.1	2.0	1.1	1.4	2.9	0.3	14.1	71	0 ± 0	NC
Turbidity	NTU	WCA-3	Inflow	S140	2.8	1.4	1.8	2.6	3.6	0.3	7.2	94	0 ± 0	NC
Turbidity	NTU	WCA-3	Inflow	S142	2.5	1.5	1.2	2.2	3.5	0.5	6.3	61	0 ± 0	NC
Turbidity	NTU	WCA-3	Inflow	S150	1.7	1.0	1.1	1.4	2.2	0.6	6.9	116	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Turbidity	NTU	WCA-3	Inflow	S151	1.9	1.3	1.1	1.5	2.3	0.4	7.5	86	0 ± 0	NC
Turbidity	NTU	WCA-3	Inflow	S190	1.7	0.8	1.1	1.6	2.3	0.5	4.0	93	0 ± 0	NC
Turbidity	NTU	WCA-3	Inflow	S8	2.7	2.8	1.4	2.1	2.9	0.8	20.3	91	0 ± 0	NC
Turbidity	NTU	WCA-3	Inflow	S9	3.3	1.2	2.4	3.0	3.8	1.1	7.8	65	0 ± 0	NC
Turbidity	NTU	WCA-3	Interior	CA311	0.8	0.7	0.5	0.7	0.9	0.3	4.5	52	0 ± 0	NC
Turbidity	NTU	WCA-3	Interior	CA315	1.0	1.2	0.5	0.6	0.9	0.2	7.7	75	0 ± 0	NC
Turbidity	NTU	WCA-3	Interior	CA316	0.8	0.4	0.6	0.7	0.8	0.4	3.0	70	0 ± 0	NC
Turbidity	NTU	WCA-3	Interior	CA317	0.7	0.3	0.5	0.6	0.8	0.3	1.5	90	0 ± 0	NC
Turbidity	NTU	WCA-3	Interior	CA318	0.9	0.9	0.6	0.7	0.9	0.4	6.4	83	0 ± 0	NC
Turbidity	NTU	WCA-3	Interior	CA32	0.7	0.2	0.6	0.7	0.8	0.4	1.3	35	0 ± 0	NC
Turbidity	NTU	WCA-3	Interior	CA33	0.8	0.2	0.6	0.7	0.9	0.4	1.4	32	0 ± 0	NC
Turbidity	NTU	WCA-3	Interior	CA34	0.8	0.4	0.5	0.7	0.9	0.4	2.3	36	0 ± 0	NC
Turbidity	NTU	WCA-3	Interior	CA35	0.8	0.8	0.5	0.6	0.8	0.4	4.3	21	0 ± 0	NC
Turbidity	NTU	WCA-3	Interior	CA36	1.0	0.5	0.8	0.9	1.2	0.5	2.5	28	0 ± 0	NC
Turbidity	NTU	WCA-3	Interior	CA38	0.7	0.4	0.5	0.6	0.9	0.4	2.5	35	0 ± 0	NC
Turbidity	NTU	WCA-3	Outflow	S12A	2.1	2.1	0.7	1.2	2.9	0.5	9.3	36	0 ± 0	NC
Turbidity	NTU	WCA-3	Outflow	S12B	2.1	1.5	1.0	1.5	3.5	0.5	4.8	20	0 ± 0	NC
Turbidity	NTU	WCA-3	Outflow	S12C	1.5	1.1	0.9	1.1	1.8	0.6	5.1	20	0 ± 0	NC
Turbidity	NTU	WCA-3	Outflow	S12D	2.5	2.6	1.2	1.8	2.7	0.8	12.8	21	0 ± 0	NC
Turbidity	NTU	WCA-3	Outflow	S197	1.7	1.5	0.7	1.5	2.1	0.6	6.6	16	0 ± 0	NC
Turbidity	NTU	WCA-3	Outflow	S31	2.0	1.3	1.0	1.4	2.8	0.6	6.2	72	0 ± 0	NC
Turbidity	NTU	WCA-3	Outflow	S333	1.9	1.5	0.9	1.4	2.6	0.5	6.9	41	0 ± 0	NC
Turbidity	NTU	WCA-3	Outflow	S334	2.3	1.6	1.0	1.7	3.4	0.7	6.4	23	0 ± 0	NC
Turbidity	NTU	WCA-3	Outflow	S344	2.9	2.3	1.1	1.8	4.7	0.3	7.5	20	0 ± 0	NC
Turbidity	NTU	WCA-3	Outflow	S355A	2.2	2.5	1.1	1.2	2.3	0.4	10.2	15	0 ± 0	NC
Turbidity	NTU	WCA-3	Outflow	S355B	3.2	3.4	1.0	1.5	5.2	0.5	11.3	15	0 ± 0	NC
Turbidity	NTU	WCA-3	Outflow	US41-25	2.1	1.6	0.9	1.3	3.0	0.5	6.2	39	0 ± 0	NC
Sulfate	mg/L	ENP	Inflow	S12A	3.7	8.4	0.1	0.2	2.0	0.1	34.2	21	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Sulfate	mg/L	ENP	Inflow	S12B	0.6	0.6	0.2	0.5	1.1	0.1	1.8	6	NA	NA
Sulfate	mg/L	ENP	Inflow	S12C	4.7	6.8	0.1	1.0	11.3	0.1	16.4	6	NA	NA
Sulfate	mg/L	ENP	Inflow	S12D	9.7	9.4	1.5	6.4	19.4	0.1	22.4	5	NA	NA
Sulfate	mg/L	ENP	Inflow	S18C	7.3	2.9	4.8	6.4	9.8	3.1	12.4	15	NA	NA
Sulfate	mg/L	ENP	Inflow	S332D	1.6	1.4	0.9	1.1	1.6	0.9	4.8	7	NA	NA
Sulfate	mg/L	ENP	Inflow	S333	11.8	8.9	2.6	14.1	17.8	0.1	29.8	22	NA	NA
Sulfate	mg/L	ENP	Inflow	S355A	0.3	0.5	0.1	0.2	0.2	0.1	1.9	15	NA	NA
Sulfate	mg/L	ENP	Inflow	S355B	2.1	3.0	0.1	0.3	4.1	0.1	10.1	15	NA	NA
Sulfate	mg/L	ENP	Inflow	US41-25	0.4	0.5	0.1	0.1	0.7	0.1	1.9	15	NA	NA
Sulfate	mg/L	ENP	Interior	EP	4.0	1.7	2.4	3.8	4.9	1.7	8.8	28	NA	NA
Sulfate	mg/L	ENP	Interior	NE1	5.6	13.0	1.1	2.6	4.9	0.3	86.2	43	NA	NA
Sulfate	mg/L	ENP	Interior	NP201	17.7	36.6	1.3	5.4	11.3	0.1	156.0	38	NA	NA
Sulfate	mg/L	ENP	Interior	P33	9.6	33.9	1.9	2.9	6.3	0.6	239.0	50	NA	NA
Sulfate	mg/L	ENP	Interior	P34	0.2	0.4	0.1	0.1	0.1	0.1	2.0	32	NA	NA
Sulfate	mg/L	ENP	Interior	P35	1.4	3.8	0.4	0.6	0.8	0.1	19.2	25	NA	NA
Sulfate	mg/L	ENP	Interior	P36	3.0	7.9	0.5	0.7	1.2	0.2	40.9	41	NA	NA
Sulfate	mg/L	ENP	Interior	P37	0.2	0.5	0.1	0.1	0.1	0.1	2.4	22	NA	NA
Sulfate	mg/L	ENP	Interior	TSB	1.6	3.7	0.2	0.4	1.3	0.1	20.8	34	NA	NA
Sulfate	mg/L	Refuge	Inflow	ACME1DS	15.1	6.9	9.3	15.6	20.5	4.8	26.1	9	NA	NA
Sulfate	mg/L	Refuge	Inflow	ENR012	43.7	20.9	30.0	39.8	51.5	14.1	172.0	131	NA	NA
Sulfate	mg/L	Refuge	Inflow	G300	67.5	29.5	38.9	69.9	89.7	18.9	126.0	23	NA	NA
Sulfate	mg/L	Refuge	Inflow	G301	87.7	26.9	69.7	85.6	109.0	33.2	136.0	18	NA	NA
Sulfate	mg/L	Refuge	Inflow	G310	59.0	16.0	46.5	57.1	68.4	30.2	115.0	131	NA	NA
Sulfate	mg/L	Refuge	Inflow	G94D	12.1	7.7	4.2	13.6	18.3	2.4	23.3	9	NA	NA
Sulfate	mg/L	Refuge	Inflow	S362	38.4	15.4	25.1	36.5	51.7	11.4	73.1	130	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX10	0.8	0.9	0.3	0.4	0.9	0.2	5.0	44	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX11	0.1	0.0	0.1	0.1	0.1	0.1	0.2	56	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX12	0.6	0.8	0.2	0.3	0.6	0.1	5.3	58	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Sulfate	mg/L	Refuge	Interior	LOX13	0.1	0.0	0.1	0.1	0.1	0.1	0.1	54	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX14	1.9	2.8	0.3	0.8	1.7	0.1	12.4	56	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX15	10.5	9.3	2.4	6.6	16.8	0.7	33.3	56	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX16	1.9	3.5	0.2	0.5	2.0	0.1	17.6	55	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX3	0.1	0.0	0.1	0.1	0.1	0.1	0.1	36	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX4	3.4	5.7	0.8	1.0	2.5	0.5	29.5	46	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX5	0.1	0.1	0.1	0.1	0.1	0.1	0.4	37	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX6	2.3	3.7	0.4	0.8	2.8	0.1	22.2	50	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX7	0.1	0.1	0.1	0.1	0.1	0.1	0.4	53	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX8	0.1	0.0	0.1	0.1	0.1	0.1	0.3	55	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX9	0.1	0.0	0.1	0.1	0.1	0.1	0.1	44	NA	NA
Sulfate	mg/L	Refuge	Interior	WCA1MESO	0.1	0.1	0.1	0.1	0.1	0.1	0.7	39	NA	NA
Sulfate	mg/L	Refuge	Interior	X1	22.4	17.3	5.9	19.1	34.7	3.0	61.2	25	NA	NA
Sulfate	mg/L	Refuge	Interior	X2	8.1	10.9	1.7	3.6	7.1	0.9	52.0	31	NA	NA
Sulfate	mg/L	Refuge	Interior	X3	2.0	1.0	1.0	1.9	2.7	0.6	4.8	35	NA	NA
Sulfate	mg/L	Refuge	Interior	X4	0.5	0.3	0.2	0.5	0.8	0.1	1.2	39	NA	NA
Sulfate	mg/L	Refuge	Interior	Y4	0.7	0.4	0.3	0.6	0.9	0.1	1.7	38	NA	NA
Sulfate	mg/L	Refuge	Interior	Z1	25.0	17.7	7.7	24.0	36.6	2.0	63.0	31	NA	NA
Sulfate	mg/L	Refuge	Interior	Z2	9.0	8.8	2.4	6.3	11.0	1.6	38.0	33	NA	NA
Sulfate	mg/L	Refuge	Interior	Z3	1.5	0.9	0.6	1.4	2.4	0.3	3.7	39	NA	NA
Sulfate	mg/L	Refuge	Interior	Z4	0.6	0.6	0.2	0.4	0.8	0.1	2.6	39	NA	NA
Sulfate	mg/L	Refuge	Outflow	G94B	18.3	15.2	6.3	15.7	22.5	2.5	54.1	22	NA	NA
Sulfate	mg/L	Refuge	Outflow	S10A	25.0	19.2	9.6	19.8	34.0	2.5	73.9	38	NA	NA
Sulfate	mg/L	Refuge	Outflow	S10C	32.2	21.8	14.0	27.5	47.1	3.4	83.7	39	NA	NA
Sulfate	mg/L	Refuge	Outflow	S10D	44.5	25.8	20.3	48.8	64.0	3.7	95.0	41	NA	NA
Sulfate	mg/L	Refuge	Outflow	S39	24.3	17.7	9.5	23.1	33.2	2.3	69.6	49	NA	NA
Sulfate	mg/L	Refuge	Rim	LOXA104	63.1			63.1		63.1	63.1	1	NA	NA
Sulfate	mg/L	Refuge	Rim	LOXA135	66.3			66.3		66.3	66.3	1	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Sulfate	mg/L	Refuge	Rim	X0	36.8	21.9	15.2	37.5	53.6	3.2	75.3	39	NA	NA
Sulfate	mg/L	Refuge	Rim	Z0	35.3	21.6	16.0	32.0	51.0	3.2	77.4	39	NA	NA
Sulfate	mg/L	WCA-2	Inflow	E0	26.6	16.4	13.0	21.8	34.3	4.8	66.0	37	NA	NA
Sulfate	mg/L	WCA-2	Inflow	F0	27.5	15.4	16.0	23.4	34.6	6.9	67.0	37	NA	NA
Sulfate	mg/L	WCA-2	Inflow	G335	47.6	13.4	36.5	46.1	55.7	0.1	84.7	129	NA	NA
Sulfate	mg/L	WCA-2	Inflow	S10A	25.0	19.2	9.6	19.8	34.0	2.5	73.9	38	NA	NA
Sulfate	mg/L	WCA-2	Inflow	S10C	32.2	21.8	14.0	27.5	47.1	3.4	83.7	39	NA	NA
Sulfate	mg/L	WCA-2	Inflow	S10D	44.5	25.8	20.3	48.8	64.0	3.7	95.0	41	NA	NA
Sulfate	mg/L	WCA-2	Inflow	S7	46.6	13.2	39.3	45.9	53.8	20.6	85.5	84	NA	NA
Sulfate	mg/L	WCA-2	Interior	404C2	50.3	13.0	43.3	49.2	57.5	20.4	83.2	29	NA	NA
Sulfate	mg/L	WCA-2	Interior	CA215	20.9	14.3	8.3	19.1	31.6	4.3	53.6	47	NA	NA
Sulfate	mg/L	WCA-2	Interior	CA27	47.7	12.9	39.1	47.9	58.7	6.1	70.0	51	NA	NA
Sulfate	mg/L	WCA-2	Interior	CA28	51.8	12.9	43.4	50.6	59.7	22.4	86.0	48	NA	NA
Sulfate	mg/L	WCA-2	Interior	CA29	38.7	15.8	28.4	37.8	48.4	6.6	75.4	54	NA	NA
Sulfate	mg/L	WCA-2	Interior	E1	23.4	15.4	11.1	19.0	31.9	5.3	60.0	28	NA	NA
Sulfate	mg/L	WCA-2	Interior	E2	25.1	15.9	12.2	22.8	32.5	5.2	56.4	19	NA	NA
Sulfate	mg/L	WCA-2	Interior	E3	22.7	16.6	9.8	16.9	34.5	3.0	54.3	24	NA	NA
Sulfate	mg/L	WCA-2	Interior	E4	24.0	14.3	9.9	23.0	37.8	5.1	47.0	30	NA	NA
Sulfate	mg/L	WCA-2	Interior	E5	25.5	26.0	12.9	18.8	30.6	3.3	140.0	32	NA	NA
Sulfate	mg/L	WCA-2	Interior	F1	25.7	16.6	13.0	20.4	34.5	2.5	83.7	77	NA	NA
Sulfate	mg/L	WCA-2	Interior	F2	26.9	20.1	13.7	18.2	35.4	3.4	120.0	74	NA	NA
Sulfate	mg/L	WCA-2	Interior	F3	24.3	15.6	13.0	17.0	34.2	6.0	57.0	29	NA	NA
Sulfate	mg/L	WCA-2	Interior	F4	24.7	20.2	10.9	19.2	31.8	1.8	140.0	81	NA	NA
Sulfate	mg/L	WCA-2	Interior	F5	21.7	13.1	8.5	20.0	33.8	4.8	50.1	31	NA	NA
Sulfate	mg/L	WCA-2	Interior	N1	51.6	11.5	45.5	52.2	57.5	27.9	73.4	33	NA	NA
Sulfate	mg/L	WCA-2	Interior	S145	20.1	11.4	10.6	16.2	26.2	7.5	48.1	45	NA	NA
Sulfate	mg/L	WCA-2	Interior	U1	25.4	20.3	14.2	18.7	29.8	5.2	102.0	34	NA	NA
Sulfate	mg/L	WCA-2	Interior	U2	30.3	31.0	12.1	21.2	35.2	4.2	149.0	30	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Sulfate	mg/L	WCA-2	Interior	U3	29.2	34.0	10.4	19.8	32.9	4.1	200.0	51	NA	NA
Sulfate	mg/L	WCA-2	Outflow	S11A	37.7	14.9	31.7	37.6	49.4	9.6	64.9	38	NA	NA
Sulfate	mg/L	WCA-2	Outflow	S11B	37.0	16.7	24.3	37.1	45.6	10.0	76.5	28	NA	NA
Sulfate	mg/L	WCA-2	Outflow	S11C	40.2	17.3	30.0	38.0	51.5	11.6	78.7	22	NA	NA
Sulfate	mg/L	WCA-2	Outflow	S34	17.5	11.6	6.5	17.7	25.2	2.3	45.3	20	NA	NA
Sulfate	mg/L	WCA-2	Outflow	S38	16.7	11.0	8.2	12.8	23.9	4.3	51.6	52	NA	NA
Sulfate	mg/L	WCA-3	Inflow	3AE0	5.9	1.1	5.1	5.8	6.8	4.8	7.6	5	NA	NA
Sulfate	mg/L	WCA-3	Inflow	3AW0	6.6	1.6	5.9	6.5	7.5	2.2	10.0	37	NA	NA
Sulfate	mg/L	WCA-3	Inflow	C123SR84	13.6	9.5	5.8	11.6	17.3	3.2	36.5	20	NA	NA
Sulfate	mg/L	WCA-3	Inflow	G123	4.9	5.9	1.5	2.4	5.6	0.7	19.4	20	NA	NA
Sulfate	mg/L	WCA-3	Inflow	L3BRS	18.9	13.8	6.6	15.8	30.2	3.9	49.7	21	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S11A	37.7	14.9	31.7	37.6	49.4	9.6	64.9	38	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S11B	37.0	16.7	24.3	37.1	45.6	10.0	76.5	28	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S11C	40.2	17.3	30.0	38.0	51.5	11.6	78.7	22	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S140	16.1	7.4	10.2	16.1	22.0	2.8	30.1	20	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S142	30.8	13.1	19.7	26.3	41.8	11.7	51.7	20	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S150	42.0	11.4	34.3	41.3	48.1	15.3	67.2	73	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S151	19.2	11.2	7.4	19.2	25.7	5.1	41.1	20	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S190	9.0	7.5	4.7	6.3	11.9	0.1	33.3	20	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S8	32.6	14.1	22.2	34.4	40.4	5.3	64.0	20	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S9	1.9	0.9	1.2	1.6	2.7	0.6	4.1	20	NA	NA
Sulfate	mg/L	WCA-3	Interior	3AE05	3.6	1.4	2.6	3.1	5.2	2.6	5.2	3	NA	NA
Sulfate	mg/L	WCA-3	Interior	3AE10	3.2	1.9	1.1	3.6	4.8	1.1	4.8	3	NA	NA
Sulfate	mg/L	WCA-3	Interior	3AE15	2.9	1.6	1.8	2.2	4.7	1.8	4.7	3	NA	NA
Sulfate	mg/L	WCA-3	Interior	3AE20	3.1	1.8	2.0	2.2	4.7	1.8	6.1	5	NA	NA
Sulfate	mg/L	WCA-3	Interior	3AE40	3.3	1.8	1.8	2.6	5.0	1.6	6.2	5	NA	NA
Sulfate	mg/L	WCA-3	Interior	3ANMESO	0.9	1.2	0.1	0.5	1.2	0.1	5.3	36	NA	NA
Sulfate	mg/L	WCA-3	Interior	3ASMESO	0.7	1.4	0.1	0.4	0.8	0.1	8.7	36	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min.	Max.	Sample Size (n)	Percent Exceedance	Excursion Category
Sulfate	mg/L	WCA-3	Interior	3AW05	4.3	1.1	3.6	3.7	5.6	3.6	5.6	3	NA	NA
Sulfate	mg/L	WCA-3	Interior	3AW10	3.5	1.0	2.6	3.3	4.5	2.6	4.5	3	NA	NA
Sulfate	mg/L	WCA-3	Interior	3AW15	2.7	1.4	1.4	2.6	4.1	1.1	4.4	4	NA	NA
Sulfate	mg/L	WCA-3	Interior	3AW20	2.6	1.2	1.4	2.9	3.6	1.1	3.6	4	NA	NA
Sulfate	mg/L	WCA-3	Interior	3AW40	2.2	1.1	1.2	2.0	3.4	1.1	3.4	5	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA311	1.4	3.4	0.3	0.5	1.2	0.1	24.6	52	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA315	0.5	2.5	0.1	0.1	0.2	0.1	21.6	72	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA316	29.8	14.0	17.7	32.0	41.9	2.7	57.6	70	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA317	28.5	10.6	18.8	29.4	35.8	6.4	57.7	90	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA318	11.8	9.3	3.3	9.2	19.0	0.1	39.7	83	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA32	20.0	19.7	1.5	10.7	35.9	0.2	70.4	35	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA33	7.8	14.1	1.3	2.1	6.8	0.8	67.3	32	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA34	2.2	1.9	0.7	1.7	3.1	0.1	9.3	36	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA35	4.5	4.6	1.5	2.4	5.7	1.0	17.7	21	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA36	27.0	21.3	12.6	22.5	34.6	4.9	110.0	28	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA38	3.2	12.3	0.3	0.6	1.8	0.1	73.5	35	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S12A	3.7	8.4	0.1	0.2	2.0	0.1	34.2	21	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S12B	0.6	0.6	0.2	0.5	1.1	0.1	1.8	6	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S12C	4.7	6.8	0.1	1.0	11.3	0.1	16.4	6	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S12D	9.7	9.4	1.5	6.4	19.4	0.1	22.4	5	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S197	11.1	8.7	6.5	9.0	11.2	5.2	41.0	16	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S31	11.2	11.3	3.8	7.0	13.5	2.4	39.6	20	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S333	11.8	8.9	2.6	14.1	17.8	0.1	29.8	22	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S334	6.4	7.5	1.3	3.8	11.1	0.8	20.9	6	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S344	0.1	0.1	0.1	0.1	0.2	0.1	0.5	20	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S355A	0.3	0.5	0.1	0.2	0.2	0.1	1.9	15	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S355B	2.1	3.0	0.1	0.3	4.1	0.1	10.1	15	NA	NA
Sulfate	mg/L	WCA-3	Outflow	US41-25	0.4	0.5	0.1	0.1	0.7	0.1	1.9	15	NA	NA

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

µg/L – micrograms per liter

mg/L – milligrams per liter

NTU – nephelometric turbidity unit

µmhos/cm – micromhos per centimeter

CaCO₃ – calcium carbonate

SP – Specific