

Appendix 3A-2: Water Year 2009–2013 Water Quality Monitoring Results at Individual Stations

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Table 1 within this appendix provides statistical summaries and excursion criteria (where applicable) for alkalinity, pH, specific conductivity, dissolved oxygen, total iron, turbidity, un-ionized ammonia and sulfate for each area, class, and monitoring station for the past five water years (WY2009–WY2013) (May 1, 2008–April 30, 2013) within the Everglades Protection Area (EPA). The EPA includes Arthur R. Marshall Loxahatchee National Wildlife Refuge [Refuge, also known as Water Conservation Area 1 (WCA-1)], Water Conservation Areas 2 and 3 (WCA-2 and WCA-3, respectively), and Everglades National Park (ENP).

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Table 1. Summary of Water Years 2009–2013 (May 1, 2009–April 30, 2013) 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	N	Percent Exceed $\pm$ 90%CI	Exceed Category
pH	---	ENP	Inflow	S12A	7.3	0.2	7.2	7.3	7.4	6.9	8.6	259	0.4 $\pm$ 63.4	MC
pH	---	ENP	Inflow	S12B	7.2	0.2	7.1	7.2	7.3	6.8	7.8	92	0 $\pm$ 0	NC
pH	---	ENP	Inflow	S12C	7.2	0.2	7.1	7.2	7.3	6.0	7.8	106	0 $\pm$ 0	NC
pH	---	ENP	Inflow	S12D	7.3	0.1	7.2	7.3	7.4	7.0	7.7	178	0 $\pm$ 0	NC
pH	---	ENP	Inflow	S18C	7.6	0.4	7.3	7.5	7.9	6.7	8.3	258	0 $\pm$ 0	NC
pH	---	ENP	Inflow	S332DX	7.3	0.2	7.1	7.3	7.5	6.7	7.9	257	0 $\pm$ 0	NC
pH	---	ENP	Inflow	S333	7.4	0.2	7.2	7.3	7.5	6.9	9.0	260	0.4 $\pm$ 63.1	MC
pH	---	ENP	Inflow	S355A	7.6	0.3	7.4	7.6	7.7	7.1	8.5	64	0 $\pm$ 0	NC
pH	---	ENP	Inflow	S355B	7.5	0.3	7.2	7.4	7.6	6.9	8.5	63	0 $\pm$ 0	NC
pH	---	ENP	Interior	EP	7.8	0.2	7.7	7.8	7.8	7.2	8.4	46	0 $\pm$ 0	NC
pH	---	ENP	Interior	NE1	7.4	0.2	7.3	7.4	7.6	6.9	8.0	52	0 $\pm$ 0	NC
pH	---	ENP	Interior	NP201	7.7	0.2	7.5	7.7	7.8	7.2	8.2	50	0 $\pm$ 0	NC
pH	---	ENP	Interior	P33	7.4	0.3	7.2	7.4	7.6	6.7	8.1	53	0 $\pm$ 0	NC
pH	---	ENP	Interior	P34	7.7	0.3	7.6	7.7	7.9	7.1	8.3	43	0 $\pm$ 0	NC
pH	---	ENP	Interior	P35	7.5	0.2	7.4	7.5	7.6	7.1	7.9	38	0 $\pm$ 0	NC
pH	---	ENP	Interior	P36	7.5	0.2	7.4	7.5	7.6	7.2	8.0	50	0 $\pm$ 0	NC
pH	---	ENP	Interior	P37	7.8	0.3	7.5	7.8	8.0	7.4	8.3	37	0 $\pm$ 0	NC
pH	---	ENP	Interior	TSB	7.8	0.3	7.6	7.7	7.9	7.3	8.4	33	0 $\pm$ 0	NC
pH	---	Refuge	Inflow	ACME1DS	7.7	0.0	0.0	7.7	0.0	7.7	7.7	1	0 $\pm$ 0	NC
pH	---	Refuge	Inflow	ENR012	7.5	0.2	7.4	7.5	7.6	5.2	8.7	227	0.9 $\pm$ 102	MC
pH	---	Refuge	Inflow	G310	7.8	0.2	7.6	7.8	7.9	7.2	8.6	259	0.4 $\pm$ 63.4	MC
pH	---	Refuge	Inflow	G338	7.5	0.3	7.4	7.5	7.7	7.0	8.9	256	0.4 $\pm$ 64.1	MC
pH	---	Refuge	Inflow	G94D	7.3	0.2	7.2	7.3	7.5	7.2	7.5	3	0 $\pm$ 0	NC
pH	---	Refuge	Inflow	S362	7.7	0.2	7.6	7.8	7.9	7.0	8.6	260	0.4 $\pm$ 63.1	MC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
pH	---	Refuge	Interior	LOX10	6.6	0.3	6.4	6.5	6.6	6.1	7.6	43	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOX11	6.4	0.4	6.2	6.4	6.5	5.6	8.1	54	5.6 $\pm$ 512.7	MC
pH	---	Refuge	Interior	LOX12	6.8	0.4	6.5	6.8	7.0	6.1	8.3	56	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOX13	6.5	0.4	6.2	6.4	6.6	5.9	7.6	49	8.2 $\pm$ 643.4	MC
pH	---	Refuge	Interior	LOX14	6.6	0.3	6.4	6.7	6.8	5.9	7.7	54	1.9 $\pm$ 301.8	MC
pH	---	Refuge	Interior	LOX15	6.9	0.4	6.7	7.0	7.2	4.8	7.6	55	1.8 $\pm$ 296.3	MC
pH	---	Refuge	Interior	LOX16	6.5	0.4	6.3	6.4	6.6	5.8	7.7	54	5.6 $\pm$ 512.7	MC
pH	---	Refuge	Interior	LOX3	6.5	0.5	6.1	6.4	6.8	5.1	7.6	34	8.8 $\pm$ 800.1	MC
pH	---	Refuge	Interior	LOX4	6.6	0.3	6.4	6.6	6.8	6.0	7.4	48	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOX5	6.3	0.5	6.0	6.2	6.4	5.2	7.8	36	11.1 $\pm$ 861.5	MC
pH	---	Refuge	Interior	LOX6	6.8	0.4	6.6	6.8	7.1	6.3	8.1	50	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOX7	6.3	0.4	6.1	6.3	6.4	5.7	7.8	54	7.4 $\pm$ 586.2	MC
pH	---	Refuge	Interior	LOX8	6.2	0.3	6.0	6.2	6.4	5.2	7.1	54	16.7 $\pm$ 834.2	C
pH	---	Refuge	Interior	LOX9	6.3	0.3	6.1	6.2	6.5	5.3	7.1	43	7 $\pm$ 639	MC
pH	---	Refuge	Interior	LOXA101	7.0	0.1	0.0	7.0	0.0	6.9	7.0	2	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOXA104.5	7.1	0.3	7.0	7.1	7.2	6.6	8.2	48	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOXA105	7.0	0.2	6.8	7.0	7.2	6.5	7.5	48	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOXA106	6.9	0.2	6.8	7.0	7.1	6.3	7.2	41	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOXA107	6.7	0.2	6.6	6.7	6.9	6.4	7.4	28	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOXA107U	6.6	0.3	6.4	6.6	6.8	6.0	7.2	36	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOXA108	6.5	0.4	6.3	6.4	6.6	6.0	8.4	38	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOXA124	6.5	0.0	0.0	6.5	0.0	6.5	6.5	1	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOXA130	6.6	0.1	0.0	6.6	0.0	6.5	6.6	2	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOXA136	6.7	0.3	6.6	6.7	6.9	6.1	7.5	47	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOXA137	6.7	0.3	6.4	6.7	6.9	6.0	7.6	48	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOXA138	6.7	0.5	6.4	6.7	7.0	6.0	8.4	42	0 $\pm$ 0	NC
pH	---	Refuge	Interior	LOXA139	6.5	0.5	6.2	6.4	6.7	5.8	8.0	39	10.3 $\pm$ 799.1	MC
pH	---	Refuge	Interior	LOXA140	7.1	0.0	0.0	7.1	0.0	7.1	7.1	1	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
pH	---	Refuge	Interior	X1	6.9	0.2	0.0	6.9	0.0	6.7	7.0	2	0 $\pm$ 0	NC
pH	---	Refuge	Interior	X4	6.8	0.3	0.0	6.8	0.0	6.6	7.0	2	0 $\pm$ 0	NC
pH	---	Refuge	Interior	Z1	7.1	0.2	6.9	7.1	7.2	6.8	7.3	12	0 $\pm$ 0	NC
pH	---	Refuge	Interior	Z2	6.9	0.1	6.8	6.9	7.0	6.8	7.0	8	0 $\pm$ 0	NC
pH	---	Refuge	Interior	Z3	6.9	0.2	6.6	7.0	7.1	6.5	7.1	8	0 $\pm$ 0	NC
pH	---	Refuge	Interior	Z4	6.9	0.2	6.7	7.0	7.0	6.6	7.0	8	0 $\pm$ 0	NC
pH	---	Refuge	Outflow	G94B	7.3	0.3	7.1	7.3	7.4	6.7	8.0	69	0 $\pm$ 0	NC
pH	---	Refuge	Outflow	S10A	7.7	0.4	7.4	7.8	7.9	6.7	8.3	62	0 $\pm$ 0	NC
pH	---	Refuge	Outflow	S10C	7.8	0.3	7.6	7.8	8.0	7.2	8.6	64	1.6 $\pm$ 255	MC
pH	---	Refuge	Outflow	S10D	7.6	0.2	7.4	7.6	7.8	7.2	8.2	76	0 $\pm$ 0	NC
pH	---	Refuge	Outflow	S39	7.7	0.4	7.4	7.8	8.0	6.8	8.5	102	0 $\pm$ 0	NC
pH	---	Refuge	Rim	LOXA104	7.7	0.3	7.5	7.7	7.8	7.0	8.2	60	0 $\pm$ 0	NC
pH	---	Refuge	Rim	LOXA135	7.4	0.3	7.3	7.4	7.6	6.8	8.1	59	0 $\pm$ 0	NC
pH	---	Refuge	Rim	Z0	7.8	0.1	7.6	7.8	7.9	7.6	7.9	8	0 $\pm$ 0	NC
pH	---	WCA-2	Inflow	G335	7.6	0.2	7.5	7.6	7.8	7.2	8.2	256	0 $\pm$ 0	NC
pH	---	WCA-2	Inflow	G436	7.6	0.2	7.6	7.6	7.7	7.1	8.0	35	0 $\pm$ 0	NC
pH	---	WCA-2	Inflow	NSIDSP01	8.0	0.2	7.9	8.0	8.2	7.1	8.4	52	0 $\pm$ 0	NC
pH	---	WCA-2	Inflow	S10A	7.7	0.4	7.4	7.8	7.9	6.7	8.3	62	0 $\pm$ 0	NC
pH	---	WCA-2	Inflow	S10C	7.8	0.3	7.6	7.8	8.0	7.2	8.6	64	1.6 $\pm$ 255	MC
pH	---	WCA-2	Inflow	S10D	7.6	0.2	7.4	7.6	7.8	7.2	8.2	76	0 $\pm$ 0	NC
pH	---	WCA-2	Inflow	S7	7.7	0.2	7.6	7.7	7.9	7.2	8.3	242	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	2AC2	7.4	0.2	7.3	7.4	7.5	7.0	7.7	37	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	2AN.25	7.6	0.2	7.4	7.6	7.7	6.9	8.0	48	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	2AN1	7.5	0.2	7.4	7.5	7.6	6.9	7.7	46	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	2AN2	7.4	0.1	7.3	7.4	7.4	7.2	7.5	34	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	2AN4	7.4	0.2	7.4	7.4	7.5	7.2	7.8	36	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	2AN6	7.5	0.1	7.4	7.5	7.5	7.2	7.8	19	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	2AS1	7.3	0.1	7.2	7.4	7.4	7.1	7.6	11	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
pH	---	WCA-2	Interior	2AS4	7.5	0.1	7.4	7.5	7.6	7.3	7.7	15	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	404Z1	7.4	0.1	7.3	7.4	7.5	7.1	7.6	8	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	C0.25	7.4	0.2	7.3	7.4	7.6	7.1	7.7	48	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	CA215	7.6	0.2	7.4	7.6	7.7	7.0	8.1	20	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	CA27	7.4	0.2	7.3	7.4	7.5	6.5	7.8	52	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	CA28	7.5	0.2	7.4	7.5	7.6	6.8	8.2	50	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	CA29	7.6	0.2	7.5	7.6	7.7	7.2	8.2	58	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	FS0.25	7.5	0.2	7.3	7.5	7.7	7.1	7.7	11	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	FS1	7.4	0.1	7.3	7.4	7.5	7.1	7.6	41	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	FS2	7.3	0.1	7.2	7.3	7.3	7.0	7.4	17	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	S0.25	7.3	0.2	7.1	7.3	7.4	7.0	7.7	12	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	S145	7.5	0.2	7.4	7.5	7.6	7.0	8.1	97	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	U3	7.6	0.1	7.5	7.6	7.7	7.3	7.9	42	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	WCA2C4	7.5	0.2	7.3	7.5	7.6	7.0	7.8	31	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	WCA2C5	7.5	0.1	7.4	7.6	7.6	7.4	7.7	19	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	WCA2F1	7.3	0.2	7.2	7.3	7.4	6.7	7.8	54	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	WCA2F2	7.2	0.2	7.1	7.2	7.4	6.6	7.7	47	0 $\pm$ 0	NC
pH	---	WCA-2	Interior	WCA2F4	7.2	0.2	7.2	7.2	7.3	6.5	7.8	54	0 $\pm$ 0	NC
pH	---	WCA-2	Outflow	S11A	7.7	0.2	7.6	7.7	7.9	7.3	8.2	93	0 $\pm$ 0	NC
pH	---	WCA-2	Outflow	S11B	7.6	0.2	7.5	7.6	7.7	7.2	7.9	60	0 $\pm$ 0	NC
pH	---	WCA-2	Outflow	S11C	7.6	0.2	7.4	7.5	7.6	7.2	7.9	78	0 $\pm$ 0	NC
pH	---	WCA-2	Outflow	S34	7.6	0.3	7.4	7.6	7.8	7.0	8.4	94	0 $\pm$ 0	NC
pH	---	WCA-2	Outflow	S38	7.4	0.3	7.2	7.4	7.5	6.9	8.0	116	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	G123	7.4	0.2	7.2	7.3	7.5	7.0	7.9	60	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	G204	7.1	0.2	7.0	7.1	7.3	6.8	7.8	19	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	G205	7.2	0.4	6.9	7.1	7.4	6.4	8.1	19	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	G206	7.0	0.6	6.6	7.1	7.4	5.9	7.9	19	5.3 $\pm$ 842.6	PC
pH	---	WCA-3	Inflow	G344E	7.3	0.2	7.2	7.3	7.4	6.8	7.9	139	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
pH	---	WCA-3	Inflow	G344F	7.4	0.2	7.2	7.4	7.5	7.0	8.2	138	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	G344G	7.6	0.1	7.5	7.6	7.8	7.4	7.8	25	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	G344H	7.7	0.2	7.6	7.7	7.8	7.5	8.1	25	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	G352B	7.5	0.2	7.3	7.4	7.6	7.0	8.3	140	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	G354C	7.3	0.2	7.1	7.3	7.4	6.9	8.2	175	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	G393B	7.3	0.2	7.2	7.3	7.4	6.9	8.0	175	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	G407	7.7	0.3	7.4	7.7	8.0	7.0	8.3	214	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	L3BRS	7.7	0.3	7.5	7.7	7.9	6.8	8.3	222	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	S11A	7.7	0.2	7.6	7.7	7.9	7.3	8.2	93	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	S11B	7.6	0.2	7.5	7.6	7.7	7.2	7.9	60	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	S11C	7.6	0.2	7.4	7.5	7.6	7.2	7.9	78	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	S140	7.6	0.3	7.4	7.5	7.8	7.0	8.3	262	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	S150	7.8	0.2	7.6	7.8	7.9	7.3	8.2	157	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	S190	7.7	0.3	7.4	7.8	8.0	6.9	8.4	259	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	S8	7.6	0.3	7.4	7.6	7.7	6.8	8.7	260	0.8 $\pm$ 89.1	MC
pH	---	WCA-3	Inflow	S9	7.3	0.2	7.2	7.3	7.4	7.0	8.1	261	0 $\pm$ 0	NC
pH	---	WCA-3	Inflow	S9A	7.3	0.1	7.2	7.3	7.4	7.0	7.9	264	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	3AS3-SW1	7.1	0.0	0.0	7.1	0.0	7.1	7.1	1	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	3AS3-SW2	7.2	0.0	0.0	7.2	0.0	7.2	7.2	1	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	3AS3-SW3	7.1	0.0	0.0	7.1	0.0	7.1	7.1	1	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	3ASMESO	7.2	0.0	0.0	7.2	0.0	7.2	7.2	1	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	CA311	7.4	0.2	7.3	7.4	7.5	6.9	7.9	61	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	CA314	7.7	0.0	0.0	7.7	0.0	7.7	7.7	1	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	CA315	7.2	0.2	7.1	7.3	7.4	6.7	7.7	64	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	CA316	7.3	0.2	7.2	7.3	7.4	6.9	8.3	62	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	CA317	7.6	0.2	7.4	7.6	7.7	7.1	8.2	67	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	CA318	7.2	0.2	7.1	7.2	7.3	6.9	7.7	65	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	CA319	7.5	0.0	0.0	7.5	0.0	7.5	7.5	1	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
pH	---	WCA-3	Interior	CA32	7.3	0.3	7.2	7.3	7.5	6.4	7.8	52	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	CA325	7.5	0.0	0.0	7.5	0.0	7.5	7.5	1	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	CA33	7.2	0.2	7.0	7.2	7.3	6.7	7.6	42	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	CA34	7.2	0.2	7.1	7.2	7.4	6.8	7.5	53	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	CA35	7.2	0.2	7.1	7.2	7.3	6.8	7.5	26	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	CA36	7.2	0.2	7.2	7.2	7.4	6.8	7.7	46	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	CA38	7.2	0.2	7.1	7.2	7.3	6.7	7.6	50	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	CA3B1	7.8	0.0	0.0	7.8	0.0	7.8	7.8	1	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	CA3B2	7.3	0.0	0.0	7.3	0.0	7.3	7.3	1	0 $\pm$ 0	NC
pH	---	WCA-3	Interior	S345B6	7.4	0.0	0.0	7.4	0.0	7.4	7.4	1	0 $\pm$ 0	NC
pH	---	WCA-3	Outflow	S12A	7.3	0.2	7.2	7.3	7.4	6.9	8.6	259	0.4 $\pm$ 63.4	MC
pH	---	WCA-3	Outflow	S12B	7.2	0.2	7.1	7.2	7.3	6.8	7.8	92	0 $\pm$ 0	NC
pH	---	WCA-3	Outflow	S12C	7.2	0.2	7.1	7.2	7.3	6.0	7.8	106	0 $\pm$ 0	NC
pH	---	WCA-3	Outflow	S12D	7.3	0.1	7.2	7.3	7.4	7.0	7.7	178	0 $\pm$ 0	NC
pH	---	WCA-3	Outflow	S142	7.6	0.2	7.4	7.6	7.7	7.2	8.0	64	0 $\pm$ 0	NC
pH	---	WCA-3	Outflow	S31	7.5	0.2	7.4	7.5	7.6	7.1	8.2	75	0 $\pm$ 0	NC
pH	---	WCA-3	Outflow	S333	7.4	0.2	7.2	7.3	7.5	6.9	9.0	260	0.4 $\pm$ 63.1	MC
pH	---	WCA-3	Outflow	S344	7.3	0.3	7.0	7.2	7.4	6.9	8.0	19	0 $\pm$ 0	NC
pH	---	WCA-3	Outflow	S355A	7.6	0.3	7.4	7.6	7.7	7.1	8.5	64	0 $\pm$ 0	NC
pH	---	WCA-3	Outflow	S355B	7.5	0.3	7.2	7.4	7.6	6.9	8.5	63	0 $\pm$ 0	NC
pH	---	WCA-3	Outflow	US41-25	7.2	0.2	7.0	7.2	7.3	6.7	7.7	88	0 $\pm$ 0	NC
Specific Conductance	μ S/cm	ENP	Inflow	S12A	377.0	99.5	311.0	357.5	420.0	215.0	752.0	260	0 $\pm$ 0	NC
Specific Conductance	μ S/cm	ENP	Inflow	S12B	384.1	100.3	302.6	376.0	452.5	238.8	687.0	93	0 $\pm$ 0	NC
Specific Conductance	μ S/cm	ENP	Inflow	S12C	465.2	109.8	374.0	491.0	542.0	252.0	707.0	107	0 $\pm$ 0	NC
Specific Conductance	μ S/cm	ENP	Inflow	S12D	547.6	111.9	467.0	557.0	621.0	314.0	834.0	179	0 $\pm$ 0	NC
Specific Conductance	μ S/cm	ENP	Inflow	S18C	560.9	45.7	534.0	551.0	569.0	498.0	787.0	260	0 $\pm$ 0	NC
Specific Conductance	μ S/cm	ENP	Inflow	S332DX	589.2	61.9	554.0	575.0	606.0	478.0	834.0	259	0 $\pm$ 0	NC
Specific Conductance	μ S/cm	ENP	Inflow	S333	598.2	124.8	526.8	606.0	685.5	250.0	905.0	261	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Specific Conductance	$\mu\text{S/cm}$	ENP	Inflow	S355A	468.3	111.0	371.6	465.5	539.3	253.0	687.0	64	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	ENP	Inflow	S355B	471.3	138.0	359.0	445.0	593.0	243.0	782.0	63	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	ENP	Interior	EP	533.8	92.8	470.5	525.0	588.0	391.0	750.0	45	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	ENP	Interior	NE1	555.5	136.2	461.0	565.0	669.0	253.0	772.0	49	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	ENP	Interior	NP201	528.1	160.1	427.5	503.5	590.3	288.0	1166.0	50	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	ENP	Interior	P33	583.4	128.2	470.5	582.0	667.0	309.0	933.0	53	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	ENP	Interior	P34	377.9	107.4	290.5	351.5	463.3	247.0	604.0	44	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	ENP	Interior	P35	476.4	115.6	387.5	457.0	551.5	315.0	779.0	37	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	ENP	Interior	P36	508.4	116.8	425.5	482.5	621.3	304.0	732.0	50	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	ENP	Interior	P37	320.4	93.3	250.8	297.0	375.8	178.0	551.0	38	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	ENP	Interior	TSB	425.3	78.5	376.5	425.0	480.3	260.0	556.0	34	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Inflow	ACME1DS	493.0	0.0	0.0	493.0	0.0	493.0	493.0	1	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Inflow	ENR012	935.2	128.4	850.0	945.3	1020.3	432.9	1225.0	228	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Inflow	G310	992.6	130.5	910.7	1018.0	1081.8	544.0	1389.0	260	0.8 ± 89.1	MC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Inflow	G338	1127.9	212.4	1031.5	1193.0	1285.8	401.0	1518.0	260	27.3 ± 454.5	C
Specific Conductance	$\mu\text{S/cm}$	Refuge	Inflow	G94D	429.3	207.9	214.0	445.0	629.0	214.0	629.0	3	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Inflow	S362	962.6	329.7	713.0	894.9	1213.0	297.0	1779.0	261	21.1 ± 415.2	C
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOX10	140.0	62.3	100.5	119.0	150.6	82.0	336.7	43	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOX11	112.1	37.4	82.4	105.1	138.4	47.5	198.0	51	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOX12	149.4	54.5	109.5	138.4	165.4	79.7	319.8	54	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOX13	116.1	31.2	97.3	111.7	136.6	49.0	194.0	48	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOX14	217.2	135.2	131.9	162.0	237.5	84.0	612.8	53	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOX15	321.9	171.8	173.3	294.4	469.1	84.8	733.6	54	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOX16	177.6	112.7	112.4	137.0	169.2	74.2	559.0	53	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOX3	123.3	40.5	93.3	116.1	145.0	63.5	254.0	34	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOX4	295.8	120.5	206.7	268.9	359.2	146.7	685.0	47	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOX5	98.1	26.0	77.0	97.4	112.5	55.0	171.3	36	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOX6	246.3	131.6	138.4	200.1	357.5	88.5	671.2	48	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOX7	114.9	35.0	89.4	106.1	139.3	50.2	210.1	54	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOX8	111.1	37.7	87.0	102.1	140.5	51.0	234.0	54	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOX9	113.1	24.0	99.9	109.2	131.6	68.0	174.0	44	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOXA101	685.0	103.2	0.0	685.0	0.0	612.0	758.0	2	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOXA104.5	679.3	236.5	427.5	724.5	860.3	270.5	1085.0	48	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOXA105	544.9	240.7	332.0	495.0	763.5	220.0	979.0	49	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOXA106	385.0	172.5	262.0	336.0	486.0	180.0	796.0	40	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOXA107	194.5	76.4	163.8	183.5	205.3	111.0	524.2	28	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOXA107U	143.2	37.3	125.0	139.0	155.0	80.3	308.0	35	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOXA108	136.6	38.6	112.5	132.0	154.5	74.7	270.0	37	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOXA124	501.0	0.0	0.0	501.0	0.0	501.0	501.0	1	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOXA130	443.5	188.8	0.0	443.5	0.0	310.0	577.0	2	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOXA136	418.3	199.9	261.3	359.5	613.5	146.0	811.0	48	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOXA137	293.7	151.5	174.0	254.0	402.0	104.0	743.0	47	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOXA138	203.4	90.0	130.5	166.0	250.5	85.0	460.0	41	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOXA139	120.6	44.0	85.1	112.0	144.0	43.0	249.0	37	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	LOXA140	345.0	0.0	0.0	345.0	0.0	345.0	345.0	1	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	X1	546.3	390.0	0.0	546.3	0.0	270.5	822.0	2	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	X4	216.9	5.5	0.0	216.9	0.0	213.0	220.8	2	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	Z1	643.7	215.4	450.0	616.0	778.0	394.0	1008.0	12	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	Z2	260.3	15.7	248.3	254.5	278.0	247.0	285.0	8	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	Z3	161.0	13.4	146.5	162.0	174.5	143.0	177.0	8	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Interior	Z4	136.0	8.0	128.0	135.5	144.5	126.0	147.0	8	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Outflow	G94B	540.9	248.7	342.5	543.0	692.0	191.6	1291.0	69	1.4 $\pm$ 236.7	MC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Outflow	S10A	533.6	229.3	327.8	533.0	688.0	100.0	1080.0	62	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Outflow	S10C	593.5	226.9	420.1	583.5	753.3	190.0	1103.0	64	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Outflow	S10D	717.0	215.1	572.3	719.0	866.6	223.0	1176.0	76	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Outflow	S39	518.7	205.3	346.5	490.5	649.0	189.0	1034.0	102	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Specific Conductance	$\mu\text{S/cm}$	Refuge	Rim	LOXA104	802.6	192.6	696.3	828.0	925.8	303.0	1126.0	60	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Rim	LOXA135	791.6	204.0	651.0	788.0	908.0	380.0	1350.0	59	3.4 ± 387.5	MC
Specific Conductance	$\mu\text{S/cm}$	Refuge	Rim	Z0	804.0	134.3	660.3	818.0	933.8	637.0	943.0	8	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Inflow	G335	1155.3	152.7	1046.0	1163.0	1253.0	563.0	1549.0	259	19.3 ± 403.4	C
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Inflow	G436	1146.9	222.6	979.0	1167.0	1321.0	644.3	1599.0	35	37.1 ± 1343.4	C
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Inflow	NSIDSP01	469.8	105.3	420.0	471.0	533.0	0.0	627.0	51	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Inflow	S10A	533.6	229.3	327.8	533.0	688.0	100.0	1080.0	62	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Inflow	S10C	593.5	226.9	420.1	583.5	753.3	190.0	1103.0	64	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Inflow	S10D	717.0	215.1	572.3	719.0	866.6	223.0	1176.0	76	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Inflow	S7	840.3	144.4	741.5	842.0	931.0	553.0	1301.0	242	0.8 ± 95.7	MC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	2AC2	1070.8	137.1	948.9	1073.0	1170.0	837.0	1345.0	36	8.3 ± 757.7	MC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	2AN.25	1100.7	119.6	1018.0	1092.0	1208.0	833.0	1314.0	47	4.3 ± 484.3	MC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	2AN1	1084.8	138.3	996.0	1099.0	1192.0	698.0	1339.0	45	8.9 ± 697.8	MC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	2AN2	1056.8	119.3	968.2	1068.0	1163.0	819.0	1258.0	33	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	2AN4	1064.8	138.2	940.0	1091.0	1171.0	795.0	1342.0	35	2.9 ± 463.2	MC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	2AN6	984.2	186.9	824.0	966.0	1127.0	700.0	1338.0	19	10.5 ± 1158.1	PC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	2AS1	1015.3	120.4	907.3	1065.0	1112.5	810.0	1156.0	10	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	2AS4	946.0	132.0	819.8	971.7	1046.8	746.7	1153.0	14	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	404Z1	962.0	211.7	803.3	992.0	1151.0	596.0	1215.0	8	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	C0.25	1093.8	200.1	1023.0	1109.0	1220.0	12.5	1377.0	47	8.5 ± 669.5	MC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	CA215	778.1	153.0	664.1	740.0	894.0	529.0	1095.0	19	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	CA27	953.6	199.9	842.0	977.0	1071.8	448.0	1367.0	50	2 ± 325.7	MC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	CA28	1021.8	167.9	911.3	1059.0	1135.3	458.0	1291.0	48	2.1 ± 339.1	MC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	CA29	932.4	174.2	790.8	938.0	1066.8	550.0	1353.0	56	3.6 ± 407.9	MC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	FS0.25	1087.3	115.0	997.0	1045.0	1200.0	941.0	1311.0	11	9.1 ± 1425.7	PC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	FS1	1061.3	104.0	991.0	1047.0	1118.3	881.2	1321.0	40	2.5 ± 406	MC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	FS2	1036.3	109.4	955.8	1037.5	1131.8	844.0	1210.0	16	0 ± 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	S0.25	1033.7	128.3	879.0	1086.0	1139.0	845.0	1185.0	11	0 ± 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	S145	634.8	177.4	477.0	632.0	769.0	278.0	1026.0	97	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	U3	810.7	142.4	703.5	835.0	906.0	529.0	1181.0	41	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	WCA2C4	950.4	219.7	815.0	988.0	1107.5	245.0	1334.0	30	3.3 $\pm$ 539.1	MC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	WCA2C5	977.4	189.0	831.0	978.0	1124.0	673.0	1328.0	19	5.3 $\pm$ 842.6	PC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	WCA2F1	1107.9	410.0	798.4	937.5	1391.5	597.0	2047.0	50	34 $\pm$ 1101.9	C
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	WCA2F2	859.0	251.8	674.7	802.4	1006.0	495.0	1573.0	46	6.5 $\pm$ 598.8	MC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Interior	WCA2F4	736.5	168.9	622.9	719.0	865.0	392.0	1034.0	53	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Outflow	S11A	778.1	169.6	650.5	798.0	880.0	434.0	1158.0	93	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Outflow	S11B	765.4	169.2	611.8	764.8	893.3	440.0	1097.0	60	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Outflow	S11C	811.0	141.2	698.0	817.0	899.0	517.0	1186.0	78	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Outflow	S34	662.1	136.4	569.8	633.5	775.3	347.0	959.0	94	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-2	Outflow	S38	560.2	198.3	410.5	503.0	696.0	236.0	1099.0	117	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	G123	777.9	88.2	742.0	788.5	837.3	484.3	945.0	60	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	G204	612.9	158.4	477.0	633.0	740.0	261.0	873.0	19	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	G205	615.1	206.5	514.2	656.4	783.0	235.0	884.0	18	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	G206	583.1	268.9	344.7	649.1	803.1	91.4	904.0	17	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	G344E	644.8	229.1	519.0	610.0	688.0	248.0	1652.0	143	4.2 $\pm$ 275.8	MC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	G344F	624.3	207.9	490.5	596.0	676.3	350.8	1681.0	142	2.8 $\pm$ 228.4	MC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	G344G	649.4	54.7	598.0	639.0	694.5	563.0	766.0	25	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	G344H	655.9	53.2	609.0	649.0	699.5	579.0	785.0	25	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	G352B	540.0	102.6	470.4	558.5	613.3	316.9	756.0	142	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	G354C	561.8	121.1	480.1	534.0	609.0	382.9	1033.0	177	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	G393B	528.6	98.4	456.5	516.4	591.0	315.2	799.0	177	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	G407	607.8	170.2	477.0	537.1	725.3	367.4	1002.0	216	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	L3BRS	640.9	143.2	538.0	626.0	739.5	324.0	1135.0	222	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	S11A	778.1	169.6	650.5	798.0	880.0	434.0	1158.0	93	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	S11B	765.4	169.2	611.8	764.8	893.3	440.0	1097.0	60	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	S11C	811.0	141.2	698.0	817.0	899.0	517.0	1186.0	78	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	S140	651.8	167.4	534.8	631.5	752.0	257.0	1090.0	262	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	S150	816.1	174.6	708.0	813.6	919.5	407.0	1341.0	157	1.9 $\pm$ 179.7	MC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	S190	544.0	78.6	497.0	550.0	591.0	252.3	751.0	259	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	S8	701.5	137.4	581.8	706.0	809.5	351.0	1001.0	260	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	S9	752.9	65.0	713.0	781.0	802.0	502.0	841.0	261	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Inflow	S9A	756.3	61.7	724.0	781.0	803.0	526.0	844.0	264	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	3AS3-SW1	311.0	0.0	0.0	311.0	0.0	311.0	311.0	1	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	3AS3-SW2	318.0	0.0	0.0	318.0	0.0	318.0	318.0	1	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	3AS3-SW3	307.0	0.0	0.0	307.0	0.0	307.0	307.0	1	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	3ASMESO	408.0	0.0	0.0	408.0	0.0	408.0	408.0	1	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA311	470.0	87.5	406.8	448.0	536.8	317.6	693.0	60	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA314	509.0	0.0	0.0	509.0	0.0	509.0	509.0	1	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA315	409.1	96.6	339.8	408.0	471.0	235.0	749.0	63	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA316	762.8	142.9	689.5	774.7	859.0	437.0	1019.0	61	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA317	680.7	113.6	599.1	678.0	729.3	451.0	1072.0	66	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA318	613.7	110.2	554.7	630.5	683.0	24.0	799.0	64	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA319	381.0	0.0	0.0	381.0	0.0	381.0	381.0	1	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA32	522.9	156.5	384.0	497.0	665.0	228.0	797.0	51	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA325	540.0	0.0	0.0	540.0	0.0	540.0	540.0	1	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA33	392.3	130.5	293.5	363.0	454.0	167.0	788.0	41	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA34	506.6	128.4	422.8	497.0	595.8	243.0	795.0	52	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA35	430.9	92.4	372.5	420.0	497.1	251.9	596.0	25	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA36	720.9	162.9	599.3	735.0	804.5	461.0	1146.0	45	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA38	429.0	101.5	341.0	407.0	500.5	293.0	651.0	49	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA3B1	523.0	0.0	0.0	523.0	0.0	523.0	523.0	1	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	CA3B2	615.0	0.0	0.0	615.0	0.0	615.0	615.0	1	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Interior	S345B6	647.0	0.0	0.0	647.0	0.0	647.0	647.0	1	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Outflow	S12A	377.0	99.5	311.0	357.5	420.0	215.0	752.0	260	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Outflow	S12B	384.1	100.3	302.6	376.0	452.5	238.8	687.0	93	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Outflow	S12C	465.2	109.8	374.0	491.0	542.0	252.0	707.0	107	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Outflow	S12D	547.6	111.9	467.0	557.0	621.0	314.0	834.0	179	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Outflow	S142	789.7	153.9	685.5	774.5	892.8	405.0	1109.0	64	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Outflow	S31	724.0	67.7	702.0	728.0	752.0	504.0	975.0	75	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Outflow	S333	598.2	124.8	526.8	606.0	685.5	250.0	905.0	261	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Outflow	S344	325.2	78.1	260.0	316.0	388.0	178.0	445.0	18	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Outflow	S355A	468.3	111.0	371.6	465.5	539.3	253.0	687.0	64	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Outflow	S355B	471.3	138.0	359.0	445.0	593.0	243.0	782.0	63	0 $\pm$ 0	NC
Specific Conductance	$\mu\text{S/cm}$	WCA-3	Outflow	US41-25	400.4	82.5	339.5	393.5	454.8	212.3	676.0	88	0 $\pm$ 0	NC
Sulfate	mg/L	ENP	Inflow	S12A	3.3	7.7	0.1	0.5	2.1	0.1	34.2	110	NA	NA
Sulfate	mg/L	ENP	Inflow	S18C	7.7	3.0	4.9	7.8	9.8	3.1	14.6	202	NA	NA
Sulfate	mg/L	ENP	Inflow	S332DX	2.9	2.0	1.5	2.1	4.0	0.7	8.2	221	NA	NA
Sulfate	mg/L	ENP	Inflow	S333	13.2	8.2	7.8	14.2	19.4	0.3	29.8	239	NA	NA
Sulfate	mg/L	ENP	Inflow	S355A	0.4	0.6	0.1	0.2	0.5	0.1	2.3	64	NA	NA
Sulfate	mg/L	ENP	Inflow	S355B	2.9	5.4	0.1	0.7	3.7	0.1	21.0	63	NA	NA
Sulfate	mg/L	ENP	Interior	EP	3.7	1.6	2.5	3.3	4.8	1.7	8.8	29	NA	NA
Sulfate	mg/L	ENP	Interior	NE1	8.3	17.8	1.0	3.4	7.4	0.1	89.6	48	NA	NA
Sulfate	mg/L	ENP	Interior	NP201	14.4	40.0	1.8	3.9	8.9	0.1	236.0	41	NA	NA
Sulfate	mg/L	ENP	Interior	P33	13.3	43.1	1.2	2.2	4.9	0.3	239.0	50	NA	NA
Sulfate	mg/L	ENP	Interior	P34	0.3	1.3	0.1	0.1	0.1	0.1	7.8	37	NA	NA
Sulfate	mg/L	ENP	Interior	P35	1.6	3.8	0.4	0.6	1.4	0.1	19.2	25	NA	NA
Sulfate	mg/L	ENP	Interior	P36	3.9	10.8	0.5	0.8	1.5	0.2	51.6	41	NA	NA
Sulfate	mg/L	ENP	Interior	P37	0.4	1.5	0.1	0.1	0.1	0.1	7.2	24	NA	NA
Sulfate	mg/L	ENP	Interior	TSB	0.9	1.1	0.2	0.4	1.2	0.1	4.8	31	NA	NA
Sulfate	mg/L	Refuge	Inflow	ACME1DS	17.9			17.9		17.9	17.9	1	NA	NA
Sulfate	mg/L	Refuge	Inflow	ENR012	41.3	12.5	31.9	39.6	48.2	17.6	86.0	118	NA	NA
Sulfate	mg/L	Refuge	Inflow	G300	75.2	21.4	61.4	72.7	91.9	38.9	126.0	133	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Sulfate	mg/L	Refuge	Inflow	G301	82.1	27.3	60.5	81.4	106.5	33.2	136.0	133	NA	NA
Sulfate	mg/L	Refuge	Inflow	G310	61.5	14.3	48.6	62.8	70.8	31.9	99.2	132	NA	NA
Sulfate	mg/L	Refuge	Inflow	G338	61.9	17.1	48.8	57.8	73.1	25.3	117.0	203	NA	NA
Sulfate	mg/L	Refuge	Inflow	G94D	17.4	21.9	3.3	6.2	42.6	3.3	42.6	3	NA	NA
Sulfate	mg/L	Refuge	Inflow	S362	41.5	18.0	28.5	39.0	53.5	10.0	137.0	131	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX10	0.6	0.6	0.3	0.4	0.5	0.1	3.0	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	1.1	0.1	0.2	0.6	0.1	6.9	58	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX13	0.1	0.0	0.1	0.1	0.1	0.1	0.1	51	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX14	3.5	7.8	0.3	0.8	2.5	0.1	49.3	56	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX15	10.7	10.3	1.8	6.4	17.8	0.7	34.3	57	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX16	1.7	3.4	0.2	0.4	1.2	0.1	12.7	56	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX3	0.3	1.3	0.1	0.1	0.1	0.1	7.6	35	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX4	4.4	8.1	0.8	1.0	4.3	0.1	43.0	49	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX5	0.1	0.0	0.1	0.1	0.1	0.1	0.3	37	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX6	3.3	5.9	0.4	0.7	2.9	0.1	26.9	52	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX7	0.1	0.1	0.1	0.1	0.1	0.1	0.6	56	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX8	0.1	0.0	0.1	0.1	0.1	0.1	0.2	56	NA	NA
Sulfate	mg/L	Refuge	Interior	LOX9	0.1	0.0	0.1	0.1	0.1	0.1	0.3	45	NA	NA
Sulfate	mg/L	Refuge	Interior	LOXA104.5	8.8	7.8	4.3	6.1	14.8	3.6	22.7	5	NA	NA
Sulfate	mg/L	Refuge	Interior	LOXA105	3.7	0.9	3.1	3.6	4.2	2.6	5.3	6	NA	NA
Sulfate	mg/L	Refuge	Interior	LOXA106	2.5	0.4	2.2	2.6	2.9	2.1	3.1	5	NA	NA
Sulfate	mg/L	Refuge	Interior	LOXA107	0.6	0.4	0.2	0.8	1.0	0.1	1.0	4	NA	NA
Sulfate	mg/L	Refuge	Interior	LOXA107U	0.1	0.1	0.1	0.1	0.2	0.1	0.3	4	NA	NA
Sulfate	mg/L	Refuge	Interior	LOXA108	0.1	0.0	0.1	0.1	0.1	0.1	0.1	3	NA	NA
Sulfate	mg/L	Refuge	Interior	LOXA136	0.8	0.5	0.5	0.9	1.2	0.1	1.4	6	NA	NA
Sulfate	mg/L	Refuge	Interior	LOXA137	0.9	0.3	0.7	1.0	1.1	0.4	1.2	6	NA	NA
Sulfate	mg/L	Refuge	Interior	LOXA138	0.4	0.4	0.1	0.4	0.8	0.1	0.9	5	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Sulfate	mg/L	Refuge	Interior	LOXA139	0.1	0.1	0.1	0.1	0.3	0.1	0.3	5	NA	NA
Sulfate	mg/L	Refuge	Interior	Z1	18.8	9.3	9.9	18.8	27.7	8.6	28.9	4	NA	NA
Sulfate	mg/L	Refuge	Interior	Z2	2.5	1.3	1.4	2.4	3.8	1.1	4.2	4	NA	NA
Sulfate	mg/L	Refuge	Interior	Z3	0.4	0.3	0.1	0.4	0.6	0.1	0.7	4	NA	NA
Sulfate	mg/L	Refuge	Interior	Z4	0.1	0.1	0.1	0.1	0.2	0.1	0.3	4	NA	NA
Sulfate	mg/L	Refuge	Outflow	G94B	18.5	16.4	5.1	12.8	25.0	1.9	54.1	22	NA	NA
Sulfate	mg/L	Refuge	Outflow	S10A	26.3	19.3	10.2	23.1	41.2	1.4	73.9	62	NA	NA
Sulfate	mg/L	Refuge	Outflow	S10C	33.0	20.0	14.9	29.4	47.5	3.4	83.7	64	NA	NA
Sulfate	mg/L	Refuge	Outflow	S10D	45.3	21.2	30.6	46.8	57.9	3.7	95.0	75	NA	NA
Sulfate	mg/L	Refuge	Outflow	S39	25.8	17.9	10.5	22.5	40.9	1.8	69.6	86	NA	NA
Sulfate	mg/L	Refuge	Rim	LOXA104	39.9	17.4	24.9	35.0	60.4	22.1	61.7	6	NA	NA
Sulfate	mg/L	Refuge	Rim	LOXA135	30.4	11.2	21.3	31.6	40.5	14.3	40.6	6	NA	NA
Sulfate	mg/L	Refuge	Rim	Z0	43.0	13.1	32.5	39.8	56.8	32.1	60.4	4	NA	NA
Sulfate	mg/L	WCA-2	Inflow	G335	48.4	13.3	39.0	45.9	58.1	0.1	76.4	130	NA	NA
Sulfate	mg/L	WCA-2	Inflow	G436	30.8	12.9	17.6	34.3	42.8	9.1	45.6	17	NA	NA
Sulfate	mg/L	WCA-2	Inflow	NSIDSP01	18.6	2.1	17.0	18.4	20.1	15.4	22.3	9	NA	NA
Sulfate	mg/L	WCA-2	Inflow	S10A	26.3	19.3	10.2	23.1	41.2	1.4	73.9	62	NA	NA
Sulfate	mg/L	WCA-2	Inflow	S10C	33.0	20.0	14.9	29.4	47.5	3.4	83.7	64	NA	NA
Sulfate	mg/L	WCA-2	Inflow	S10D	45.3	21.2	30.6	46.8	57.9	3.7	95.0	75	NA	NA
Sulfate	mg/L	WCA-2	Inflow	S7	45.6	13.8	36.7	44.4	52.9	15.2	90.9	188	NA	NA
Sulfate	mg/L	WCA-2	Interior	2AC2	53.5	10.1	47.9	51.1	59.3	33.0	83.2	34	NA	NA
Sulfate	mg/L	WCA-2	Interior	2AN.25	53.0	12.5	43.5	54.1	60.2	26.8	81.6	43	NA	NA
Sulfate	mg/L	WCA-2	Interior	2AN1	51.3	11.8	42.4	52.4	59.3	26.6	73.4	41	NA	NA
Sulfate	mg/L	WCA-2	Interior	2AN2	53.9	9.8	46.6	52.9	61.2	39.4	75.5	31	NA	NA
Sulfate	mg/L	WCA-2	Interior	2AN4	51.5	9.5	45.5	50.5	59.2	35.4	70.4	32	NA	NA
Sulfate	mg/L	WCA-2	Interior	2AN6	41.5	12.5	30.0	47.2	51.6	19.7	59.6	17	NA	NA
Sulfate	mg/L	WCA-2	Interior	2AS1	51.7	8.1	44.8	53.8	59.3	41.1	63.0	9	NA	NA
Sulfate	mg/L	WCA-2	Interior	2AS4	44.2	11.8	32.6	43.9	52.9	25.5	62.0	11	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Sulfate	mg/L	WCA-2	Interior	C0.25	54.0	11.6	46.4	54.5	61.4	20.9	78.6	42	NA	NA
Sulfate	mg/L	WCA-2	Interior	CA215	21.6	11.8	8.9	23.6	32.9	5.9	36.5	14	NA	NA
Sulfate	mg/L	WCA-2	Interior	CA27	46.4	14.0	36.0	48.8	58.2	6.1	68.9	41	NA	NA
Sulfate	mg/L	WCA-2	Interior	CA28	52.2	14.1	43.0	50.6	61.8	21.6	86.0	41	NA	NA
Sulfate	mg/L	WCA-2	Interior	CA29	37.6	14.9	29.1	38.6	47.7	6.6	72.9	46	NA	NA
Sulfate	mg/L	WCA-2	Interior	FS0.25	45.4	10.1	39.4	42.2	49.1	31.8	64.2	11	NA	NA
Sulfate	mg/L	WCA-2	Interior	FS1	54.6	10.7	45.9	55.7	61.5	35.8	79.4	35	NA	NA
Sulfate	mg/L	WCA-2	Interior	FS2	55.4	13.4	45.7	55.0	64.3	32.4	80.7	14	NA	NA
Sulfate	mg/L	WCA-2	Interior	S0.25	55.1	8.8	47.3	53.7	65.1	42.8	67.4	10	NA	NA
Sulfate	mg/L	WCA-2	Interior	S145	19.4	14.4	8.3	16.2	25.2	4.0	71.0	76	NA	NA
Sulfate	mg/L	WCA-2	Interior	U3	24.6	17.7	13.0	21.4	31.8	4.7	87.4	36	NA	NA
Sulfate	mg/L	WCA-2	Interior	WCA2C4	48.7	10.6	43.2	49.8	58.2	28.0	64.4	27	NA	NA
Sulfate	mg/L	WCA-2	Interior	WCA2C5	49.2	11.0	36.8	52.4	58.0	27.4	60.4	11	NA	NA
Sulfate	mg/L	WCA-2	Interior	WCA2F1	25.7	18.0	12.0	21.2	35.5	2.3	83.7	44	NA	NA
Sulfate	mg/L	WCA-2	Interior	WCA2F2	25.3	16.6	14.9	22.5	33.4	3.0	69.8	37	NA	NA
Sulfate	mg/L	WCA-2	Interior	WCA2F4	25.1	16.2	15.5	22.4	32.7	3.9	82.5	40	NA	NA
Sulfate	mg/L	WCA-2	Outflow	S11A	33.1	15.9	16.9	37.1	43.2	5.3	64.9	68	NA	NA
Sulfate	mg/L	WCA-2	Outflow	S11B	31.9	17.6	14.2	33.6	41.6	5.7	76.5	52	NA	NA
Sulfate	mg/L	WCA-2	Outflow	S11C	32.8	17.0	17.4	31.8	43.1	10.0	78.7	71	NA	NA
Sulfate	mg/L	WCA-2	Outflow	S34	15.9	12.0	5.3	15.3	21.7	2.3	45.3	20	NA	NA
Sulfate	mg/L	WCA-2	Outflow	S38	17.3	13.6	7.5	11.7	25.5	3.2	58.5	96	NA	NA
Sulfate	mg/L	WCA-3	Inflow	G123	4.2	6.0	1.2	1.6	3.6	0.1	19.4	20	NA	NA
Sulfate	mg/L	WCA-3	Inflow	G344E	7.1	17.3	0.2	0.5	3.5	0.1	80.9	60	NA	NA
Sulfate	mg/L	WCA-3	Inflow	G344F	5.2	13.0	0.3	0.8	2.6	0.1	72.2	58	NA	NA
Sulfate	mg/L	WCA-3	Inflow	G344G	3.8	1.6	3.1	3.4	4.2	2.2	7.4	8	NA	NA
Sulfate	mg/L	WCA-3	Inflow	G344H	3.9	1.7	3.0	3.6	4.3	2.3	7.7	8	NA	NA
Sulfate	mg/L	WCA-3	Inflow	G352B	7.4	3.6	4.4	8.1	10.5	1.3	13.5	63	NA	NA
Sulfate	mg/L	WCA-3	Inflow	G354C	8.8	25.4	2.7	4.4	8.0	0.6	224.0	80	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Sulfate	mg/L	WCA-3	Inflow	G393B	9.3	21.7	2.4	4.1	7.3	0.7	134.0	79	NA	NA
Sulfate	mg/L	WCA-3	Inflow	L3BRS	14.3	12.3	6.1	9.8	17.0	3.0	43.7	133	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S11A	33.1	15.9	16.9	37.1	43.2	5.3	64.9	68	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S11B	31.9	17.6	14.2	33.6	41.6	5.7	76.5	52	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S11C	32.8	17.0	17.4	31.8	43.1	10.0	78.7	71	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S140	15.6	8.6	10.2	14.8	18.0	2.8	40.4	20	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S150	41.0	10.7	33.9	40.7	46.4	15.3	67.2	151	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S190	11.2	9.2	5.8	9.6	11.8	2.6	40.0	21	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S8	26.7	14.9	13.9	23.6	38.8	5.3	64.0	104	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S9	1.9	1.3	1.2	1.5	2.4	0.6	6.5	20	NA	NA
Sulfate	mg/L	WCA-3	Inflow	S9A	2.1	1.8	1.3	1.5	2.3	0.1	7.0	20	NA	NA
Sulfate	mg/L	WCA-3	Interior	3AS3-SW1	0.1			0.1		0.1	0.1	1	NA	NA
Sulfate	mg/L	WCA-3	Interior	3AS3-SW2	0.1			0.1		0.1	0.1	1	NA	NA
Sulfate	mg/L	WCA-3	Interior	3AS3-SW3	0.1			0.1		0.1	0.1	1	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA311	1.4	3.6	0.3	0.4	1.1	0.1	24.6	49	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA315	0.3	0.9	0.1	0.1	0.2	0.1	7.1	61	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA316	30.7	14.1	21.4	33.9	41.2	2.7	65.1	57	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA317	27.0	10.1	18.9	27.5	33.6	4.7	57.7	64	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA318	14.1	16.6	4.4	12.1	18.8	1.2	126.0	63	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA32	15.3	16.1	1.2	7.7	31.4	0.2	49.4	39	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA33	2.6	6.3	0.9	1.4	2.1	0.1	35.5	30	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA34	2.3	2.5	0.4	1.7	3.1	0.1	10.5	44	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA35	2.9	1.7	1.5	2.3	3.6	1.0	7.2	20	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA36	21.7	14.8	10.5	19.3	29.6	2.1	59.9	32	NA	NA
Sulfate	mg/L	WCA-3	Interior	CA38	3.6	12.3	0.3	0.6	1.9	0.1	73.5	36	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S12A	3.3	7.7	0.1	0.5	2.1	0.1	34.2	110	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S142	30.0	13.0	15.9	29.4	41.2	11.7	50.0	20	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S31	13.0	10.2	5.5	8.4	21.7	2.4	39.3	21	NA	NA

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Sulfate	mg/L	WCA-3	Outflow	S333	13.2	8.2	7.8	14.2	19.4	0.3	29.8	239	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S344	2.7	9.9	0.1	0.1	0.2	0.1	44.1	20	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S355A	0.4	0.6	0.1	0.2	0.5	0.1	2.3	64	NA	NA
Sulfate	mg/L	WCA-3	Outflow	S355B	2.9	5.4	0.1	0.7	3.7	0.1	21.0	63	NA	NA
Sulfate	mg/L	WCA-3	Outflow	US41-25	0.6	1.3	0.1	0.1	0.7	0.1	5.8	90	NA	NA
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	EP	156.1	15.9	144.0	153.0	169.5	129.0	187.0	29	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	NE1	176.1	43.5	141.5	175.5	207.0	82.0	261.0	48	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	NP201	150.4	19.8	134.0	153.0	166.0	116.0	196.0	41	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	P33	174.1	37.8	150.3	172.5	199.5	53.0	241.0	50	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	P34	128.8	21.7	114.0	123.0	141.0	95.0	193.0	37	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	P35	143.4	15.0	132.5	142.0	152.5	115.0	174.0	25	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	P36	159.6	25.9	138.0	157.0	174.5	114.0	222.0	41	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	P37	103.3	15.5	94.3	103.0	116.0	75.0	133.0	24	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	ENP	Interior	TSB	152.6	30.9	131.0	154.0	176.0	94.0	211.0	31	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	ACME1DS	122.0	0.0	0.0	122.0	0.0	122.0	122.0	1	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	ENR012	215.8	32.7	196.5	222.0	240.3	119.0	273.0	118	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	G310	200.8	33.8	179.3	206.0	226.8	114.0	266.0	132	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	G338	294.9	61.0	271.0	309.0	336.0	102.0	406.0	203	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	G94D	144.0	64.4	72.0	164.0	196.0	72.0	196.0	3	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Inflow	S362	184.6	48.0	142.3	183.5	219.0	108.0	299.0	132	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX10	30.2	6.7	26.3	30.0	34.0	17.0	46.0	20	5 $\pm$ 801.6	PC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX11	12.8	4.1	10.0	12.0	15.0	7.0	24.0	45	93.3 $\pm$ 611.6	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX12	33.1	9.7	27.0	32.0	36.5	16.0	69.0	58	5.2 $\pm$ 478.3	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX13	16.8	4.7	14.0	16.0	21.0	8.0	27.0	44	72.7 $\pm$ 1104.4	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX14	39.0	18.6	28.0	33.0	44.0	15.0	101.0	55	9.1 $\pm$ 637.6	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX15	70.9	32.9	42.0	66.0	100.0	21.0	152.0	56	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX16	34.4	16.1	25.8	31.0	36.8	12.0	80.0	54	13 $\pm$ 751.9	PC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX3	15.7	9.8	10.0	10.0	19.0	10.0	39.0	9	77.8 $\pm$ 2279.4	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX4	73.5	27.1	53.8	67.5	85.0	43.0	165.0	34	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX5	8.3	1.8	8.0	8.0	9.0	5.0	11.0	11	100 $\pm$ 0	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX6	51.4	25.9	34.0	40.0	66.0	14.0	124.0	43	2.3 $\pm$ 378	MC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX7	13.4	3.8	11.0	12.0	14.8	8.0	23.0	48	89.6 $\pm$ 725.2	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX8	11.1	3.4	8.8	10.5	13.0	5.0	22.0	50	96 $\pm$ 455.8	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Interior	LOX9	13.9	3.0	12.0	14.0	16.0	6.0	22.0	27	96.3 $\pm$ 597.8	C
Total Alkalinity as CaCO ₃	mg/L	Refuge	Outflow	S10A	99.2	38.1	69.5	101.0	126.5	23.0	206.0	37	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Outflow	S10C	111.4	38.0	80.3	109.5	137.5	47.0	217.0	40	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Outflow	S10D	139.7	38.3	114.8	138.0	168.3	67.0	226.0	54	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	Refuge	Outflow	S39	105.6	34.3	76.0	106.0	126.0	42.0	205.0	77	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Inflow	G335	282.3	48.4	251.3	280.0	312.8	151.0	385.0	130	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Inflow	G436	288.1	47.8	266.0	303.0	325.0	168.0	329.0	13	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Inflow	S10A	99.2	38.1	69.5	101.0	126.5	23.0	206.0	37	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Inflow	S10C	111.4	38.0	80.3	109.5	137.5	47.0	217.0	40	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Inflow	S10D	139.7	38.3	114.8	138.0	168.3	67.0	226.0	54	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Inflow	S7	208.6	42.8	174.5	215.0	242.0	118.0	306.0	188	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	2AC2	256.7	37.4	221.5	255.5	300.5	206.0	310.0	14	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	2AN.25	268.8	33.7	237.5	278.0	295.0	218.0	338.0	17	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	2AN1	261.0	34.6	226.0	255.0	284.0	213.0	328.0	17	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	2AN2	248.5	35.2	210.3	251.5	277.8	208.0	299.0	12	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	2AN4	249.3	34.9	222.0	249.0	280.0	183.0	298.0	11	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	2AS1	244.0	28.1	219.0	235.0	267.0	208.0	290.0	9	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	2AS4	221.8	27.6	195.0	216.0	246.0	187.0	278.0	11	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	C0.25	268.8	32.6	238.5	273.0	296.0	212.0	318.0	17	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	CA215	186.4	32.8	161.3	177.0	208.3	144.0	245.0	14	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	CA27	232.1	43.2	205.0	237.0	262.0	129.0	318.0	41	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	CA28	248.0	37.7	217.0	250.0	279.5	158.0	318.0	41	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	CA29	209.2	30.4	183.5	219.0	232.5	126.0	257.0	45	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	FS1	261.1	29.7	240.0	261.0	281.5	216.0	320.0	13	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	FS2	251.3	27.7	228.0	249.5	272.3	209.0	298.0	14	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	S0.25	247.5	28.5	221.3	245.0	278.8	213.0	287.0	10	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	S145	154.8	37.7	127.3	152.5	184.3	58.0	235.0	72	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	U3	192.0	27.8	168.0	197.0	213.3	150.0	258.0	36	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	WCA2C4	234.3	30.9	212.0	231.0	261.5	182.0	280.0	9	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	WCA2F1	226.9	76.2	182.0	214.5	264.0	108.0	468.0	44	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	WCA2F2	191.9	42.1	171.0	194.0	217.0	115.0	269.0	37	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Interior	WCA2F4	170.2	37.2	141.5	171.0	193.0	94.0	240.0	40	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Outflow	S11A	188.5	39.5	158.0	191.5	220.3	115.0	287.0	64	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Outflow	S11B	184.2	37.2	159.0	177.0	212.8	120.0	252.0	52	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Outflow	S11C	199.7	34.2	173.0	206.0	223.0	130.0	292.0	71	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-2	Outflow	S38	133.6	45.7	97.0	127.0	168.0	67.0	240.0	91	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	G344E	217.6	45.9	187.0	206.0	248.8	146.0	341.0	60	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	G344F	216.2	43.1	179.5	209.5	248.5	145.0	337.0	58	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	G344G	203.0	38.2	0.0	203.0	0.0	176.0	230.0	2	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	G344H	206.5	40.3	0.0	206.5	0.0	178.0	235.0	2	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	G352B	178.4	29.8	150.8	181.0	203.3	124.0	245.0	62	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	G354C	209.0	27.8	187.0	202.0	232.0	157.0	276.0	79	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	G393B	189.5	24.7	174.8	195.0	206.0	110.0	248.0	78	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	L3BRS	200.4	39.2	179.5	202.0	230.5	106.0	304.0	133	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S11A	188.5	39.5	158.0	191.5	220.3	115.0	287.0	64	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S11B	184.2	37.2	159.0	177.0	212.8	120.0	252.0	52	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S11C	199.7	34.2	173.0	206.0	223.0	130.0	292.0	71	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S150	200.4	45.4	164.5	201.0	235.0	104.0	319.0	153	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S8	196.3	34.8	173.0	199.0	225.0	114.0	273.0	105	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Inflow	S9A	257.3	19.6	237.0	259.0	276.0	237.0	276.0	3	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	3AS3-SW1	131.0	0.0	0.0	131.0	0.0	131.0	131.0	1	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	3AS3-SW2	134.0	0.0	0.0	134.0	0.0	134.0	134.0	1	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	3AS3-SW3	129.0	0.0	0.0	129.0	0.0	129.0	129.0	1	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA311	154.8	21.8	141.0	155.0	167.0	111.0	206.0	49	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA315	139.7	27.6	117.5	145.0	158.0	78.0	207.0	61	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA316	203.5	35.2	174.8	200.5	229.3	111.0	284.0	58	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA317	165.9	19.6	150.3	164.5	182.5	123.0	209.0	64	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA318	182.6	24.3	169.0	184.0	201.0	122.0	228.0	63	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA32	161.0	37.0	131.0	163.0	191.0	87.0	221.0	39	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA33	124.6	32.8	103.8	113.5	149.0	63.0	204.0	30	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA34	164.1	31.8	143.0	167.0	190.0	99.0	226.0	43	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA35	143.1	26.3	134.3	142.0	155.8	94.0	188.0	20	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA36	195.5	29.9	172.3	191.0	216.0	146.0	274.0	32	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Interior	CA38	133.9	19.0	118.5	134.5	144.0	109.0	190.0	36	0 $\pm$ 0	NC
Total Alkalinity as CaCO ₃	mg/L	WCA-3	Outflow	S31	155.0	0.0	0.0	155.0	0.0	155.0	155.0	1	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Inflow	G338	40.9	33.2	24.3	32.0	44.0	19.0	170.0	20	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Interior	LOX10	29.9	17.4	16.0	22.0	38.0	16.0	64.0	7	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Interior	LOX11	69.9	39.5	42.0	57.0	90.0	21.0	160.0	15	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Interior	LOX12	21.2	20.6	11.0	16.0	23.0	5.0	102.0	21	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Interior	LOX13	94.1	74.2	39.3	79.5	119.0	26.0	324.0	16	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Interior	LOX14	65.4	50.8	31.0	44.0	100.5	17.0	224.0	20	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Total Iron	µg/L	Refuge	Interior	LOX15	7.3	3.5	4.0	7.0	10.0	1.5	15.0	21	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Interior	LOX16	122.4	65.3	60.3	113.5	168.8	37.0	245.0	20	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Interior	LOX3	62.3	17.9	47.0	58.0	82.0	47.0	82.0	3	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Interior	LOX4	56.1	37.3	28.8	41.0	84.0	17.0	146.0	12	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Interior	LOX5	57.7	28.1	39.0	44.0	90.0	39.0	90.0	3	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Interior	LOX6	112.1	112.3	28.0	75.0	145.0	16.0	387.0	15	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Interior	LOX7	81.1	37.3	50.0	75.0	112.0	41.0	150.0	15	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Interior	LOX8	32.9	14.5	23.0	30.0	37.0	17.0	72.0	15	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Interior	LOX9	42.3	25.8	26.0	34.5	55.0	11.0	102.0	10	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Outflow	S10A	20.0	22.6	7.5	13.0	24.0	5.0	94.0	21	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Outflow	S10C	9.9	8.0	5.0	7.0	11.0	4.0	37.0	21	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Outflow	S10D	16.8	17.8	9.0	13.0	18.0	4.0	91.0	21	0 $\pm$ 0	NC
Total Iron	µg/L	Refuge	Outflow	S39	22.5	15.9	9.8	17.5	32.0	7.0	59.0	14	0 $\pm$ 0	NC
Total Iron	µg/L	WCA-2	Inflow	S10A	20.0	22.6	7.5	13.0	24.0	5.0	94.0	21	0 $\pm$ 0	NC
Total Iron	µg/L	WCA-2	Inflow	S10C	9.9	8.0	5.0	7.0	11.0	4.0	37.0	21	0 $\pm$ 0	NC
Total Iron	µg/L	WCA-2	Inflow	S10D	16.8	17.8	9.0	13.0	18.0	4.0	91.0	21	0 $\pm$ 0	NC
Total Iron	µg/L	WCA-2	Inflow	S7	19.5	6.3	15.3	18.0	23.8	9.0	31.0	20	0 $\pm$ 0	NC
Total Iron	µg/L	WCA-2	Interior	CA215	7.0	1.4	0.0	7.0	0.0	6.0	8.0	2	0 $\pm$ 0	NC
Total Iron	µg/L	WCA-2	Interior	CA27	9.2	4.0	5.3	8.5	12.3	5.0	16.0	12	0 $\pm$ 0	NC
Total Iron	µg/L	WCA-2	Interior	CA28	23.3	37.1	8.3	11.5	19.3	7.0	140.0	12	0 $\pm$ 0	NC
Total Iron	µg/L	WCA-2	Interior	CA29	15.1	9.8	8.3	11.5	18.0	8.0	41.0	12	0 $\pm$ 0	NC
Total Iron	µg/L	WCA-2	Interior	S145	9.9	4.6	8.0	9.0	10.0	4.0	24.0	15	0 $\pm$ 0	NC
Total Iron	µg/L	WCA-2	Interior	U3	16.1	8.1	10.0	12.0	21.8	9.0	32.0	12	0 $\pm$ 0	NC
Total Iron	µg/L	WCA-2	Interior	WCA2F1	9.3	5.6	5.0	7.0	14.8	4.0	21.0	12	0 $\pm$ 0	NC
Total Iron	µg/L	WCA-2	Interior	WCA2F2	8.2	5.7	4.0	6.5	10.5	3.0	22.0	10	0 $\pm$ 0	NC
Total Iron	µg/L	WCA-2	Interior	WCA2F4	8.4	5.5	4.0	7.0	14.0	3.0	19.0	11	0 $\pm$ 0	NC
Total Iron	µg/L	WCA-2	Outflow	S11A	19.9	14.5	10.3	15.5	25.8	5.0	61.0	16	0 $\pm$ 0	NC
Total Iron	µg/L	WCA-2	Outflow	S11B	20.1	19.0	8.5	14.0	24.5	5.0	91.0	20	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Total Iron	$\mu\text{g/L}$	WCA-2	Outflow	S11C	17.4	8.7	12.0	15.5	21.5	5.0	37.0	20	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-2	Outflow	S38	12.7	3.6	11.0	13.0	15.0	4.0	19.0	15	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Inflow	L3BRS	150.1	98.6	76.5	121.0	217.0	57.0	366.0	21	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Inflow	S11A	19.9	14.5	10.3	15.5	25.8	5.0	61.0	16	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Inflow	S11B	20.1	19.0	8.5	14.0	24.5	5.0	91.0	20	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Inflow	S11C	17.4	8.7	12.0	15.5	21.5	5.0	37.0	20	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Inflow	S150	24.7	10.4	17.3	21.5	31.3	8.0	44.0	20	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Inflow	S8	63.2	42.3	33.8	51.0	72.8	16.0	161.0	22	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Interior	CA311	238.5	156.0	133.0	174.0	366.5	46.0	578.0	13	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Interior	CA315	206.3	159.3	101.3	156.5	260.5	39.0	584.0	16	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Interior	CA316	9.3	9.3	3.3	6.0	11.0	1.5	32.0	16	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Interior	CA317	11.0	10.4	3.8	6.0	19.5	1.5	36.0	18	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Interior	CA318	29.2	36.1	9.3	20.0	31.0	6.0	146.0	16	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Interior	CA32	91.8	113.7	23.0	58.0	120.0	19.0	414.0	11	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Interior	CA33	107.6	60.1	49.5	106.0	158.0	36.0	207.0	9	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Interior	CA34	62.7	46.1	26.3	47.5	98.8	22.0	163.0	10	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Interior	CA35	85.8	27.8	59.5	87.5	110.3	57.0	111.0	4	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Interior	CA36	149.4	95.9	79.0	121.5	247.0	29.0	305.0	8	0 $\pm$ 0	NC
Total Iron	$\mu\text{g/L}$	WCA-3	Interior	CA38	238.2	216.4	80.5	194.0	319.5	52.0	737.0	9	0 $\pm$ 0	NC
Turbidity	NTU	ENP	Inflow	S12A	1.3	1.1	0.7	1.0	1.7	0.4	4.9	20	0 $\pm$ 0	NC
Turbidity	NTU	ENP	Inflow	S18C	1.1	0.6	0.8	1.0	1.1	0.6	3.2	19	0 $\pm$ 0	NC
Turbidity	NTU	ENP	Inflow	S332DX	1.8	1.0	1.2	1.5	2.4	0.7	4.5	20	0 $\pm$ 0	NC
Turbidity	NTU	ENP	Inflow	S333	1.6	1.3	0.8	1.1	2.4	0.5	5.2	20	0 $\pm$ 0	NC
Turbidity	NTU	ENP	Inflow	S355A	2.2	2.4	1.0	1.3	3.1	0.4	10.2	20	0 $\pm$ 0	NC
Turbidity	NTU	ENP	Inflow	S355B	2.7	2.9	0.8	1.3	3.7	0.5	9.8	20	0 $\pm$ 0	NC
Turbidity	NTU	ENP	Interior	EP	1.2	1.1	0.7	0.9	1.5	0.3	5.0	29	0 $\pm$ 0	NC
Turbidity	NTU	ENP	Interior	NE1	1.5	1.3	0.7	1.0	1.7	0.4	6.7	48	0 $\pm$ 0	NC
Turbidity	NTU	ENP	Interior	NP201	1.2	0.9	0.6	0.9	1.4	0.3	3.8	41	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Turbidity	NTU	ENP	Interior	P33	1.8	1.9	0.7	1.1	2.0	0.4	9.8	50	0 $\pm$ 0	NC
Turbidity	NTU	ENP	Interior	P34	1.0	0.5	0.7	0.9	1.4	0.4	2.2	37	0 $\pm$ 0	NC
Turbidity	NTU	ENP	Interior	P35	1.4	0.7	0.8	1.0	2.0	0.4	2.8	25	0 $\pm$ 0	NC
Turbidity	NTU	ENP	Interior	P36	2.0	1.4	0.9	1.6	2.8	0.3	5.6	41	0 $\pm$ 0	NC
Turbidity	NTU	ENP	Interior	P37	1.2	0.9	0.6	0.9	1.8	0.4	3.5	24	0 $\pm$ 0	NC
Turbidity	NTU	ENP	Interior	TSB	1.0	0.6	0.6	0.8	1.2	0.4	2.6	31	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Inflow	ACME1DS	2.9	0.0	0.0	2.9	0.0	2.9	2.9	1	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Inflow	G338	5.8	6.9	1.6	2.7	7.5	1.2	28.2	30	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Inflow	G94D	4.3	0.8	3.8	3.9	5.3	3.8	5.3	3	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Interior	LOX10	0.8	0.1	0.6	0.8	0.8	0.5	1.0	20	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Interior	LOX11	0.8	0.4	0.6	0.7	0.9	0.4	2.7	45	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Interior	LOX12	0.7	0.3	0.5	0.6	0.7	0.3	2.3	58	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Interior	LOX13	0.8	0.3	0.6	0.7	0.8	0.3	2.5	44	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Interior	LOX14	0.6	0.2	0.5	0.6	0.6	0.3	1.3	55	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Interior	LOX15	0.7	0.3	0.5	0.6	0.8	0.3	2.6	56	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Interior	LOX16	0.6	0.2	0.5	0.6	0.7	0.3	1.7	54	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Interior	LOX3	1.0	0.3	0.8	0.9	1.0	0.8	1.6	9	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Interior	LOX4	0.7	0.3	0.5	0.7	0.9	0.4	1.4	35	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Interior	LOX5	1.0	0.5	0.7	0.8	1.2	0.5	2.0	11	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Interior	LOX6	0.7	0.2	0.5	0.7	0.8	0.3	1.2	43	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Interior	LOX7	0.8	0.2	0.7	0.8	0.9	0.3	1.7	48	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Interior	LOX8	0.9	0.4	0.7	0.8	1.0	0.4	2.8	50	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Interior	LOX9	0.8	0.2	0.6	0.8	1.0	0.4	1.3	27	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Outflow	G94B	2.3	2.6	1.1	1.7	2.6	0.6	20.6	69	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Outflow	S10A	3.6	5.9	1.0	1.6	2.2	0.8	18.1	8	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Outflow	S10C	1.5	1.1	0.9	1.1	1.7	0.7	4.2	9	0 $\pm$ 0	NC
Turbidity	NTU	Refuge	Outflow	S10D	5.8	12.5	1.2	1.4	2.4	0.8	51.0	17	5.9 $\pm$ 938.7	PC
Turbidity	NTU	Refuge	Outflow	S39	1.3	1.0	0.8	1.0	1.4	0.4	8.0	102	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Turbidity	NTU	WCA-2	Inflow	G335	1.0	0.2	0.9	1.1	1.2	0.8	1.2	5	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Inflow	NSIDSP01	4.5	3.3	2.3	4.1	4.8	0.7	12.6	12	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Inflow	S10A	3.6	5.9	1.0	1.6	2.2	0.8	18.1	8	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Inflow	S10C	1.5	1.1	0.9	1.1	1.7	0.7	4.2	9	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Inflow	S10D	5.8	12.5	1.2	1.4	2.4	0.8	51.0	17	5.9 $\pm$ 938.7	PC
Turbidity	NTU	WCA-2	Inflow	S7	1.6	0.9	1.0	1.3	2.0	0.1	5.3	173	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Interior	CA215	0.7	0.2	0.6	0.7	0.9	0.5	1.2	14	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Interior	CA27	0.7	0.2	0.5	0.7	0.8	0.4	1.3	41	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Interior	CA28	0.9	0.4	0.7	0.8	1.0	0.5	3.3	41	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Interior	CA29	0.7	0.4	0.5	0.6	0.8	0.4	2.8	45	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Interior	S145	1.2	0.7	0.8	1.0	1.4	0.4	5.4	96	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Interior	U3	0.7	0.3	0.5	0.6	0.8	0.2	2.0	36	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Interior	WCA2F1	1.4	1.4	0.7	1.0	1.7	0.4	8.6	44	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Interior	WCA2F2	0.9	0.6	0.6	0.6	0.9	0.3	3.3	37	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Interior	WCA2F4	0.6	0.2	0.4	0.6	0.7	0.3	1.3	40	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Outflow	S11A	1.7	1.0	1.0	1.5	2.2	0.6	6.0	91	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Outflow	S11B	1.6	1.2	1.0	1.3	2.1	0.5	8.0	47	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Outflow	S11C	1.7	1.8	1.0	1.2	2.0	0.3	14.1	64	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Outflow	S34	1.5	0.7	1.0	1.3	1.9	0.5	3.7	94	0 $\pm$ 0	NC
Turbidity	NTU	WCA-2	Outflow	S38	1.3	0.8	0.8	1.0	1.5	0.3	4.7	118	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Inflow	G123	1.6	0.7	1.0	1.5	2.3	0.4	3.1	60	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Inflow	L3BRS	3.0	1.6	1.9	2.5	3.6	0.6	9.1	133	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Inflow	S11A	1.7	1.0	1.0	1.5	2.2	0.6	6.0	91	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Inflow	S11B	1.6	1.2	1.0	1.3	2.1	0.5	8.0	47	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Inflow	S11C	1.7	1.8	1.0	1.2	2.0	0.3	14.1	64	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Inflow	S140	2.2	1.2	1.3	2.1	2.8	0.3	6.7	102	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Inflow	S150	1.4	0.6	1.0	1.2	1.7	0.6	3.7	140	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Inflow	S190	2.0	1.3	1.1	1.6	2.5	0.5	9.8	106	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Turbidity	NTU	WCA-3	Inflow	S8	2.2	1.1	1.4	2.0	2.6	0.8	7.9	105	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Inflow	S9	2.9	1.0	2.3	2.9	3.4	0.9	6.8	77	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Inflow	S9A	2.7	0.8	2.1	2.8	3.2	1.1	4.9	102	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Interior	CA311	0.9	0.7	0.6	0.7	0.9	0.3	4.5	49	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Interior	CA315	0.8	0.5	0.5	0.6	0.8	0.2	3.2	61	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Interior	CA316	0.7	0.4	0.5	0.6	0.7	0.4	3.0	58	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Interior	CA317	0.6	0.2	0.5	0.6	0.8	0.3	1.5	64	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Interior	CA318	0.9	0.7	0.6	0.7	0.9	0.4	5.2	63	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Interior	CA32	0.7	0.2	0.6	0.7	0.8	0.4	1.3	39	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Interior	CA33	0.7	0.2	0.6	0.7	0.8	0.4	1.1	30	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Interior	CA34	0.7	0.3	0.5	0.7	0.8	0.4	2.3	43	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Interior	CA35	0.7	0.3	0.4	0.6	0.8	0.4	1.3	20	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Interior	CA36	1.0	0.5	0.7	0.9	1.1	0.5	2.5	32	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Interior	CA38	0.8	0.4	0.5	0.7	0.9	0.4	2.5	36	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Outflow	S12A	1.3	1.1	0.7	1.0	1.7	0.4	4.9	20	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Outflow	S142	1.9	1.1	1.1	1.5	2.6	0.5	5.7	63	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Outflow	S31	1.6	1.1	1.0	1.2	2.0	0.6	5.5	75	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Outflow	S333	1.6	1.3	0.8	1.1	2.4	0.5	5.2	20	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Outflow	S344	2.5	1.8	1.1	1.7	3.8	0.4	6.8	20	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Outflow	S355A	2.2	2.4	1.0	1.3	3.1	0.4	10.2	20	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Outflow	S355B	2.7	2.9	0.8	1.3	3.7	0.5	9.8	20	0 $\pm$ 0	NC
Turbidity	NTU	WCA-3	Outflow	US41-25	1.5	0.8	0.9	1.3	2.0	0.5	3.7	20	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	EP	0.0011	0.0010	0.0004	0.0008	0.0015	0.0001	0.0038	25	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	NE1	0.0012	0.0026	0.0002	0.0004	0.0006	0.0001	0.0133	44	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	NP201	0.0009	0.0009	0.0004	0.0007	0.0013	0.0001	0.0050	37	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	P33	0.0011	0.0014	0.0002	0.0005	0.0013	0.0000	0.0057	40	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	P34	0.0009	0.0006	0.0004	0.0008	0.0011	0.0002	0.0025	32	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	P35	0.0005	0.0005	0.0002	0.0004	0.0007	0.0001	0.0020	22	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	P36	0.0017	0.0034	0.0005	0.0008	0.0013	0.0001	0.0168	37	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	P37	0.0010	0.0007	0.0003	0.0010	0.0018	0.0001	0.0021	19	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	ENP	Interior	TSB	0.0010	0.0009	0.0003	0.0006	0.0016	0.0001	0.0032	21	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Inflow	ENR012	0.0039	0.0024	0.0025	0.0033	0.0048	0.0000	0.0130	81	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Inflow	G310	0.0043	0.0019	0.0029	0.0041	0.0057	0.0014	0.0109	82	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Inflow	G338	0.0067	0.0114	0.0038	0.0053	0.0072	0.0015	0.1507	179	1.1 $\pm$ 129	MC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Inflow	S362	0.0060	0.0066	0.0025	0.0041	0.0069	0.0004	0.0505	116	2.6 $\pm$ 242	MC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Interior	LOX10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	18	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Interior	LOX11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	39	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Interior	LOX12	0.0001	0.0003	0.0000	0.0000	0.0000	0.0000	0.0016	50	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Interior	LOX13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	39	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Interior	LOX14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	46	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Interior	LOX15	0.0001	0.0002	0.0000	0.0001	0.0002	0.0000	0.0016	49	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Interior	LOX16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	46	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Interior	LOX3	0.0001	0.0001	0.0000	0.0001	0.0001	0.0000	0.0003	7	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Interior	LOX4	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0002	33	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Interior	LOX5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	7	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Interior	LOX6	0.0002	0.0004	0.0000	0.0001	0.0001	0.0000	0.0025	40	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Interior	LOX7	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0003	43	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Interior	LOX8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	42	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Interior	LOX9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	24	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Outflow	S10A	0.0006	0.0004	0.0003	0.0005	0.0009	0.0000	0.0018	36	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Outflow	S10C	0.0009	0.0007	0.0004	0.0009	0.0012	0.0001	0.0033	38	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Outflow	S10D	0.0010	0.0006	0.0005	0.0008	0.0013	0.0002	0.0033	52	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	Refuge	Outflow	S39	0.0008	0.0007	0.0003	0.0006	0.0011	0.0001	0.0033	73	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-2	Inflow	G335	0.0031	0.0020	0.0015	0.0028	0.0040	0.0005	0.0114	115	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-2	Inflow	G436	0.0027	0.0009	0.0018	0.0031	0.0034	0.0014	0.0040	16	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-2	Inflow	S10A	0.0006	0.0004	0.0003	0.0005	0.0009	0.0000	0.0018	36	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Unionized Ammonia	µg/L	WCA-2	Inflow	S10C	0.0009	0.0007	0.0004	0.0009	0.0012	0.0001	0.0033	38	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Inflow	S10D	0.0010	0.0006	0.0005	0.0008	0.0013	0.0002	0.0033	52	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Inflow	S7	0.0023	0.0022	0.0009	0.0018	0.0029	0.0000	0.0168	176	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	2AC2	0.0006	0.0004	0.0003	0.0006	0.0008	0.0002	0.0013	13	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	2AN.25	0.0011	0.0009	0.0006	0.0009	0.0013	0.0001	0.0034	16	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	2AN1	0.0008	0.0007	0.0003	0.0006	0.0010	0.0001	0.0029	16	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	2AN2	0.0004	0.0002	0.0003	0.0004	0.0006	0.0002	0.0009	11	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	2AN4	0.0006	0.0003	0.0004	0.0006	0.0009	0.0003	0.0011	10	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	2AS1	0.0004	0.0001	0.0003	0.0003	0.0005	0.0002	0.0005	9	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	2AS4	0.0011	0.0008	0.0005	0.0007	0.0014	0.0004	0.0033	11	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	C0.25	0.0009	0.0008	0.0005	0.0006	0.0010	0.0002	0.0034	16	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	CA215	0.0012	0.0012	0.0007	0.0008	0.0010	0.0002	0.0051	14	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	CA27	0.0004	0.0003	0.0002	0.0004	0.0006	0.0000	0.0011	39	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	CA28	0.0006	0.0005	0.0003	0.0005	0.0007	0.0001	0.0027	39	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	CA29	0.0010	0.0005	0.0006	0.0009	0.0013	0.0002	0.0019	44	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	FS1	0.0004	0.0002	0.0002	0.0004	0.0005	0.0001	0.0008	13	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	FS2	0.0003	0.0001	0.0002	0.0004	0.0004	0.0001	0.0005	14	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	S0.25	0.0003	0.0002	0.0002	0.0003	0.0003	0.0002	0.0009	10	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	S145	0.0007	0.0013	0.0002	0.0004	0.0007	0.0000	0.0090	68	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	U3	0.0011	0.0006	0.0007	0.0009	0.0014	0.0003	0.0027	34	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	WCA2C4	0.0006	0.0003	0.0004	0.0005	0.0009	0.0003	0.0013	9	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	WCA2F1	0.0004	0.0003	0.0002	0.0003	0.0005	0.0001	0.0015	42	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	WCA2F2	0.0002	0.0001	0.0001	0.0002	0.0003	0.0001	0.0006	33	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Interior	WCA2F4	0.0002	0.0001	0.0001	0.0002	0.0002	0.0000	0.0005	38	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Outflow	S11A	0.0009	0.0007	0.0004	0.0007	0.0011	0.0001	0.0043	61	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Outflow	S11B	0.0008	0.0004	0.0005	0.0007	0.0011	0.0001	0.0019	51	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Outflow	S11C	0.0008	0.0007	0.0004	0.0006	0.0011	0.0001	0.0035	69	0 $\pm$ 0	NC
Unionized Ammonia	µg/L	WCA-2	Outflow	S38	0.0006	0.0009	0.0001	0.0003	0.0005	0.0000	0.0042	86	0 $\pm$ 0	NC

Parameter	Units	Area	Class	Station	Arithmetic Mean	Standard Deviation	25th Percentile	Median	75th Percentile	Min	Max	N	Percent Exceed $\pm$ 90%CI	Exceed Category
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Inflow	G344E	0.0010	0.0013	0.0002	0.0004	0.0009	0.0001	0.0051	51	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Inflow	G344F	0.0014	0.0017	0.0003	0.0006	0.0018	0.0001	0.0063	50	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Inflow	G344G	0.0029	0.0015	0.0015	0.0028	0.0043	0.0011	0.0049	5	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Inflow	G344H	0.0032	0.0020	0.0013	0.0033	0.0050	0.0008	0.0061	5	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Inflow	G352B	0.0009	0.0010	0.0004	0.0005	0.0011	0.0001	0.0059	46	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Inflow	G354C	0.0008	0.0010	0.0003	0.0004	0.0009	0.0001	0.0057	68	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Inflow	G393B	0.0009	0.0028	0.0002	0.0003	0.0005	0.0001	0.0211	60	1.7 $\pm$ 272	MC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Inflow	L3BRS	0.0026	0.0025	0.0010	0.0017	0.0031	0.0002	0.0149	126	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Inflow	S11A	0.0009	0.0007	0.0004	0.0007	0.0011	0.0001	0.0043	61	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Inflow	S11B	0.0008	0.0004	0.0005	0.0007	0.0011	0.0001	0.0019	51	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Inflow	S11C	0.0008	0.0007	0.0004	0.0006	0.0011	0.0001	0.0035	69	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Inflow	S150	0.0027	0.0026	0.0012	0.0021	0.0032	0.0000	0.0188	140	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Inflow	S8	0.0024	0.0018	0.0013	0.0021	0.0029	0.0004	0.0144	103	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Inflow	S9A	0.0050	0.0006	0.0045	0.0051	0.0054	0.0041	0.0056	5	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Interior	CA311	0.0004	0.0003	0.0002	0.0003	0.0005	0.0000	0.0021	49	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Interior	CA315	0.0001	0.0002	0.0000	0.0001	0.0002	0.0000	0.0014	60	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Interior	CA316	0.0003	0.0002	0.0001	0.0002	0.0004	0.0000	0.0008	58	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Interior	CA317	0.0006	0.0007	0.0004	0.0004	0.0006	0.0000	0.0045	63	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Interior	CA318	0.0002	0.0001	0.0001	0.0001	0.0002	0.0000	0.0007	62	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Interior	CA32	0.0004	0.0003	0.0002	0.0003	0.0006	0.0001	0.0013	37	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Interior	CA33	0.0001	0.0001	0.0001	0.0001	0.0002	0.0000	0.0003	28	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Interior	CA34	0.0002	0.0002	0.0001	0.0001	0.0003	0.0000	0.0009	42	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Interior	CA35	0.0002	0.0001	0.0001	0.0002	0.0003	0.0000	0.0004	19	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Interior	CA36	0.0002	0.0001	0.0002	0.0002	0.0003	0.0000	0.0004	31	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Interior	CA38	0.0002	0.0002	0.0001	0.0002	0.0003	0.0000	0.0008	36	0 $\pm$ 0	NC
Unionized Ammonia	$\mu\text{g/L}$	WCA-3	Outflow	S31	0.0017	0.0000	0.0000	0.0017	0.0000	0.0017	0.0017	1	0 $\pm$ 0	NC

Min. – minimum

Max. – maximum

Refuge – Arthur R. Marshall Loxahatchee National Wildlife Refuge

ENP – Everglades National Park

WCA-2 – Water Conservation Area 2

WCA-3 – Water Conservation Area 3

µg/L – micrograms per liter

mg/L – milligrams per liter

NTU – nephelometric turbidity unit

µS/cm – microSiemens per centimeter

CaCO₃ – calcium carbonate

SP – Specific