

Appendix A. Water quality data from HESL survey

Parameter	Units	ML1	ML2	ML3
chlorophyll a	µg/L	3.54	3.92	3.2
alkalinity, bicarbonate (as CaCO ₃)	mg/L	8.6	7.4	6.6
alkalinity, carbonate (as CaCO ₃)	mg/L	<2.0	<2.0	<2.0
alkalinity, hydroxide (as CaCO ₃)	mg/L	<2.0	<2.0	<2.0
alkalinity, total (as CaCO ₃)	mg/L	8.6	7.4	6.6
hardness (as CaCO ₃), from total Ca/Mg	mg/L	10.6	10.8	10.9
pH	pH units	8.39	7.09	7.01
solids, total dissolved [TDS]	mg/L	22	26	20
solids, total suspended [TSS]	mg/L	<3.0	<3.0	<3.0
<i>solids, total suspended [TSS] - 1 MOB</i>	<i>mg/L</i>	<i><3.0</i>	<i><3.0</i>	<i><3.0</i>
ammonia, total (as N)	mg/L	<0.0050	<0.0050	0.008
chloride	mg/L	3.54	3.58	3.53
nitrate (as N)	mg/L	0.025	<0.020	<0.020
nitrite (as N)	mg/L	<0.010	<0.010	<0.010
phosphate, ortho-, dissolved (as P)	mg/L	<0.0030	<0.0030	<0.0030
phosphate, ortho-, dissolved (as P) - 1 MOB	mg/L	<0.0030	<0.0030	<0.0030
phosphorus, total	mg/L	0.0069	0.006	0.0066
<i>phosphorus, total - 1 MOB</i>	<i>mg/L</i>	<i>0.0101</i>	<i>0.0143</i>	<i>0.0104</i>
sulfate (as SO ₄)	mg/L	3.33	3.22	3.2
carbon, dissolved organic [DOC]	mg/L	7.1	7.14	7.04
coliforms, total	MPN/100mL	165	>201	>201
coliforms, Escherichia coli [E. coli]	MPN/100mL	<1	1	1
aluminum, total	mg/L	0.0231	0.0227	0.0273
antimony, total	mg/L	<0.00010	<0.00010	<0.00010
arsenic, total	mg/L	0.00014	0.00016	0.00015
barium, total	mg/L	0.0106	0.0103	0.011
beryllium, total	mg/L	<0.000020	<0.000020	<0.000020
bismuth, total	mg/L	<0.000050	<0.000050	<0.000050
boron, total	mg/L	<0.010	<0.010	<0.010
cadmium, total	mg/L	6.8E-06	5.6E-06	7.6E-06
calcium, total	mg/L	2.94	3.02	3.01
cesium, total	mg/L	<0.000010	<0.000010	<0.000010
chromium, total	mg/L	<0.00050	<0.00050	<0.00050
cobalt, total	mg/L	<0.00010	<0.00010	<0.00010
copper, total	mg/L	<0.00050	0.00053	0.00158
iron, total	mg/L	0.062	0.057	0.118
<i>iron, total - 1 MOB</i>	<i>mg/L</i>	<i>1.3</i>	<i>0.189</i>	<i>0.244</i>
lead, total	mg/L	<0.000050	0.000064	0.00013
lithium, total	mg/L	<0.0010	<0.0010	<0.0010
magnesium, total	mg/L	0.803	0.796	0.813
manganese, total	mg/L	0.0143	0.0123	0.053
molybdenum, total	mg/L	0.000063	0.000061	0.000058
nickel, total	mg/L	<0.00050	<0.00050	<0.00050
potassium, total	mg/L	0.505	0.497	0.511
rubidium, total	mg/L	0.00105	0.00101	0.00104
selenium, total	mg/L	0.000084	0.000057	0.000058
silicon, total	mg/L	2.61	2.52	2.67
silver, total	mg/L	<0.000010	<0.000010	<0.000010
sodium, total	mg/L	2.86	2.76	2.77
strontium, total	mg/L	0.0206	0.0213	0.0208
sulfur, total	mg/L	1.12	1.08	1
tellurium, total	mg/L	<0.00020	<0.00020	<0.00020
thallium, total	mg/L	<0.000010	<0.000010	<0.000010
thorium, total	mg/L	<0.00010	<0.00010	<0.00010
tin, total	mg/L	<0.00010	<0.00010	<0.00010
titanium, total	mg/L	<0.00030	0.00033	0.00035
tungsten, total	mg/L	<0.00010	<0.00010	<0.00010
uranium, total	mg/L	0.00001	<0.000010	0.000011
vanadium, total	mg/L	<0.00050	<0.00050	<0.00050
zinc, total	mg/L	0.0054	0.0115	0.0082
zirconium, total	mg/L	<0.00020	<0.00020	<0.00020

