Huskisson Recycling & Waste Facility -

2021 - 2022 EPL Water Monitoring Data Licencee: Shoalhaven City Council, PO Box 42 Nowra 2541



Environmental Protection Licence #5878 Huskisson Road, Huskisson

MW01 Analyte Alkalinity (CaCO3) Ammonia as N Calcium Chloride Flouride Magnesium pH Potassium Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon MW01	Units of measure mg/L mg/L mg/L mg/L mg/L pH units mg/L mg/L mg/L mg/L mg/L mg/L		of times neasured Min Value 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mean Value 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Median Value 0	Max Value 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
AnalyteAluminiumArsenicBariumBenzeneBiochemical Oxygen DemandCadmiumHexavalent ChromiumTotal ChromiumCobaltCopperEthyl- BenzeneFluorideLeadManganeseMercuryNickelNitrateNitriteNitrogen (total)Phosphorous (total)Redox PotentialTolueneTRHsXyleneZincMWV02	Units mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L m	Frequency Req'd n Annual Annual	of times Mar-21 10easured DRY 0 DRY <td< td=""><td>Apr-22 DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY</td><td></td><td></td></td<>	Apr-22 DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY		
Analyte Alkalinity (CaCO3) Ammonia as N Calcium Chloride Flouride Magnesium pH Potassium Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon MWV02	Units of measure mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Monitoring Req'd n Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly	of times heasured Min Value 4 96 2 0.01 4 40 4 780 0 0 4 80 4 5.5 4 6 4 448 3 0.2 4 159 3 1640 4 14	$\begin{array}{c} 150.25\\ 0.125\\ 41.5\\ 1662.5\\ 0\\ 163.5\\ 6.2\\ 8.75\\ 874.75\\ 2.07\\ 341.25\\ 3420\\ 18.5 \end{array}$	Median Value 147 0.125 41 1695 0 180 6.1 8.5 960.5 2.8 360.5 3580 16	Max Value 211 0.24 44 2480 0 214 7.1 12 1130 3.21 485 5040 28
Analyte Aluminium Arsenic Barium Benzene Biochemical Oxygen Demand Cadmium Hexavalent Chromium Total Chromium Cobalt Copper Ethyl- Benzene Fluoride Lead Manganese Mercury Nickel Nitrate Nitrogen (total) Phosphorous (total) Redox Potential Toluene TRHs Xylene Zinc	Units mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L m	Frequency Req'd n Annual Annual	$\begin{array}{c c} \mbox{Mar-21}\\ \hline \mbox{Mar-21}\\ \hline 1 & 1.25\\ \hline 1 & 0.003\\ \hline 1 & 0.055\\ \hline 0 & <1\\ \hline 0 & 0.0001\\ \hline 0 & 0.0001\\ \hline 0 & <0.01\\ \hline 1 & 0.002\\ \hline 1 & 0.335\\ \hline 1 & 0.011\\ \hline 0 & <2\\ \hline 1 & 0.335\\ \hline 1 & 0.011\\ \hline 0 & <2\\ \hline 1 & 0.335\\ \hline 1 & 0.002\\ \hline 1 & 0.335\\ \hline 1 & 0.002\\ \hline 1 & 0.35\\ \hline 1 & 0.002\\ \hline 0 & <2\\ \hline 1 & 0.02\\ \hline 0 & <1\\ \hline 1 & 0.02\\ \hline 0 & <0.01\\ \hline 0 & 0 & <0.01\\ \hline 0 &$	Apr-22 0.43 0.004 0.037 <1 <0.0001 <0.01 0.002 0.172 0.028 <2 0.9 0.01 1.57 <0.0001 0.36 <0.01 0.36 <0.01 0.36 <2 <2 <50 <2 0.279		
Analyte Alkalinity (CaCO3) Ammonia as N Calcium Chloride Flouride Magnesium pH Potassium Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon MWV03	mg/L mg/L mg/L mg/L pH units mg/L mg/L mg/L mg/L	Monitoring Req'd n Quarterly Quarterly Quarter	of times heasured Min Value 4 61 4 0.01 4 22 4 560 0 0 4 47 4 5.1 4 6 4 264 3 0.04 4 104 3 0	Mean Value 69.25 0.015 23.75 577.25 0 49.5 5.575 6.5 285.5 0.0533333 109.25 1172.5 1.3333333	Median Value 69.5 0.015 24 573 0 49.5 5.6 6 292.5 0.05 109.5 1160 2	Max Value 77 0.02 25 603 0 52 6 8 293 0.07 114 1270 2
Analyte Aluminium Arsenic Barium Benzene Biochemical Oxygen Demand Cadmium Hexavalent Chromium Total Chromium Cobalt Copper Ethyl- Benzene Fluoride Lead Manganese Mercury Nickel Nitrate Nitrite Nitrogen (total) Phosphorous (total) Redox Potential Toluene TRHs Xylene Zinc	Units mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L m		$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Apr-22 0.56 <0.001 0.048 <1 <0.001 <0.001 <0.001 0.018 0.006 <2 0.6 0.002 0.776 <0.0001 0.02 <0.001 0.02 <0.01 0.02 <0.01 0.02 <0.01 0.02 <0.01 0.02 <0.01 0.152		
Analyte Alkalinity (CaCO3) Ammonia as N Calcium Chloride Flouride Magnesium pH Potassium Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon	Units of measure mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		of times heasured Min Value 4 53 4 0.06 4 48 4 647 0 0 4 68 4 5.2 4 9 4 330 3 2.6 4 1670 4 2	Mean Value 106.75 0.0975 56.5 1033.75 0 96.75 5.625 11.75 490 3.2766667 147.75 2085 12	Median Value 89.5 0.09 54.5 1054 0 96 5.5 11 482 3.43 153.5 2065 10.5	Max Value 195 0.15 69 1380 0 127 6.3 16 666 3.8 160 2540 25
Analyte Aluminium Arsenic Barium Benzene Biochemical Oxygen Demand Cadmium Hexavalent Chromium Total Chromium Cobalt Copper Ethyl- Benzene Fluoride Lead Manganese Mercury Nickel Nitrite Nitrogen (total) Phosphorous (total) Redox Potential Toluene TRHs Xylene Zinc	Units mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L m		of times heasured Mar-21 1 0.25 1 <0.001	Apr-22 2.25 0.006 0.081 <1		
Analyte Alkalinity (CaCO3) Ammonia as N Calcium Chloride Flouride Magnesium pH Potassium Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon MW05	Units of measure mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Monitoring Req'd n Quarterly Quarterly Quarter	of times heasured Min Value 4 3 3 0.1 4 8 4 522 0 0 4 41 4 4.7 3 0 4 275 3 2.62 4 152 4 1010 4 15	Mean Value 15.25 0.2066667 8.75 672.75 0 52 5.05 1.6666667 334.5 3.3166667 166.75 1330 16.25	Median Value 10 0.22 9 667.5 0 52.5 5.1 2 336.5 3.35 164 1340 16.5	Max Value 38 0.3 9 834 0 62 5.3 3 390 3.98 187 1630 17
Analyte Aluminium Arsenic Barium Benzene Biochemical Oxygen Demand Cadmium Hexavalent Chromium Total Chromium Cobalt Copper Ethyl- Benzene Fluoride Lead Manganese Mercury Nickel Nitrate Nitrite Nitrogen (total) Phosphorous (total) Redox Potential Toluene TRHs Xylene Zinc	Units mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L m		$\begin{tabular}{ c c c c c } \hline Mar-21 \\ \hline 1 & 0.37 \\ \hline 1 & <0.001 \\ \hline 1 & 0.066 \\ \hline 0 & <1 \\ \hline 0 & \\ 0 & <0.001 \\ \hline 0 & <0.001 \\ \hline 1 & <0.001 \\ \hline 1 & <0.001 \\ \hline 1 & 0.004 \\ \hline 1 & 0.001 \\ \hline 0 & <2 \\ \hline 1 & <0.1 \\ \hline 1 & <0.001 \\ \hline 0 & <2 \\ \hline 1 & <0.01 \\ \hline 0 & <0.001 \\ \hline 0 & <0.01 \\ \hline 1 & <0.01 \\ \hline 0 & <2 \\ \hline 1 & <0.01 \\ \hline 0 & <2 \\ \hline 1 & <0.01 \\ \hline 0 & <2 \\ \hline 1 & <0.01 \\ \hline 0 & <2 \\ \hline 1 & <0.01 \\ \hline 0 & <2 \\ \hline 1 & <0.018 \\ \hline \end{tabular}$	Apr-22 3.61 0.003 0.054 <1 <0.001 <0.01 0.005 0.005 0.005 0.005 0.008 <2 0.1 0.012 0.034 <0.001 0.03 <0.01 0.03 <0.01 0.03 <188 <2 360 <2 0.07		
Analyte Alkalinity (CaCO3) Ammonia as N Calcium Chloride Flouride Magnesium pH Potassium Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon MW06	Units of measure mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Monitoring Req'd n Quarterly Quarterly Quarter	of times heasured Min Value 2 0 4 0.03 4 7 4 958 0 0 4 63 4 4.1 4 5 4 524 3 4 4 127 4 1960 3 1	$\begin{array}{c} 2\\ 0.0525\\ 10.25\\ 11.74.5\\ 0\\ 84.75\\ 4.35\\ 6.75\\ 633.25\\ 4.96\\ 142.5\\ 2267.5\\ 1.66666667\end{array}$	Median 2 0.04 7.5 1205 0 82 4.35 6 635 5.14 147.5 2195 2	Max Value 4 0.1 19 1330 0 112 4.6 10 739 5.74 148 2720 2
Analyte Aluminium Arsenic Barium Benzene Biochemical Oxygen Demand Cadmium Hexavalent Chromium Total Chromium Cobalt Copper Ethyl- Benzene Fluoride Lead Manganese Mercury Nickel Nitrate Nitrogen (total) Phosphorous (total) Redox Potential Toluene TRHs Xylene Zinc	Units mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L m	Frequency Req'd n Annual Annual	$\begin{array}{c c} \mbox{Mar-21}\\ \hline \mbox{Mar-21}\\ \hline 1 & 1.98\\ \hline 1 & <0.001\\ \hline 1 & 0.059\\ \hline 0 & <1\\ \hline 0 \\ \hline 1 & 0.002\\ \hline 0 & <0.01\\ \hline 1 & 0.002\\ \hline 1 & 0.021\\ \hline 0 & <2\\ \hline 1 & 0.007\\ \hline 1 & 1.11\\ \hline 0 & <0.001\\ \hline 0 & \\ \hline 0 & <0.01\\ \hline 0 & <0.01\\ \hline 1 & <0.01\\ \hline 0 & <2\\ \hline 1 & 0.01\\ \hline 0 & <2\\ \hline 1 & 186\\ \hline 0 & <2\\ \hline 0 & <50\\ \hline 0 & <2\\ \hline 1 & 0.3\\ \hline \end{array}$	Apr-22 7.2 0.005 0.109 <1 0.0006 <0.01 0.011 0.138 0.024 <2 0.8 0.017 2.69 <0.0001 0.02 <0.01 0.02 <0.01 0.02 <0.01 0.02 <182 <2 <50 <2 0.912		
Analyte Alkalinity (CaCO3) Ammonia as N Calcium Chloride Flouride Magnesium pH Potassium Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon MW07	Units of measure mg/L mg/L mg/L mg/L pH units mg/L mg/L mg/L mg/L mg/L mg/L	Monitoring Req'd n Quarterly Quarterly Quarter	of times heasured Min Value 4 2 3 0 2 0 4 38 0 0 4 2 4 4.1 1 0 4 58 3 4.7 4 82 4 404 4 1	2.75 0.0133333 0.5 73.75 0 4.75 4.75 0 80 5.5166667 93.25 462.25 2.25	Median Value 2.5 0.01 0.5 69 0 4.5 4.75 0 78 5.42 94.5 441 2.5	Max Value 4 0.03 1 119 0 8 5.4 0 106 6.43 102 563 3
AnalyteAluminiumArsenicBariumBenzeneBiochemical Oxygen DemandCadmiumHexavalent ChromiumTotal ChromiumCobaltCopperEthyl- BenzeneFluorideLeadManganeseMercuryNickelNitrateNitriteNitrogen (total)Phosphorous (total)Redox PotentialToluene	Units mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L m		$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Apr-22 32.4 0.016 0.198 <1 <0.0001 <0.01 0.043 0.007 0.067 <2 0.1 0.049 0.098 0.0003 0.01 <0.01 <0.01 0.01 <206 <2		

Nitrite mg/L mg/L Nitrogen (total) Phosphorous (total) Redox Potential mg/L ug/L ug/L ug/L

Redox Potential	ug/L	Annual	1	196	-206		
Toluene	ug/L	Annual	0	<2	<2		
TRHs	ug/L	Annual	0	<50	<50		
Xylene	mg/L	Annual	0	<2	<2		
Zinc	mg/L	Annual	1	0.006	0.136		
MAKOO							
MW08	Units of	Frequency of	# of times			Median	
Analyte	measure	Monitoring Req'd	measured	Min Value	Mean Value	Value	Max Value
Alkalinity (CaCO3)	mg/L	Quarterly	4	0	102.25	104	201
Ammonia as N	mg/L	Quarterly	3	0	0.0233333	0.02	0.05
Calcium	mg/L	Quarterly	4	15	24	22	37
Chloride	mg/L	Quarterly	4	67	114.25	100	190
Flouride	mg/L	Quarterly	0	0	0	0	0
Magnesium	mg/L	Quarterly	4	13	15.75	16.5	17
рН	pH units	Quarterly	4	5.5	6.2	6.1	7.1
Potassium	mg/L	Quarterly	4	2	3.25	3.5	4
Sodium	mg/L	Quarterly	4	100	120.5	111.5	159
Standing water level	m AHD	Quarterly	3	0.45	0.9433333	1.03	1.35
Sulphate	mg/L	Quarterly	4	82	108.75	104.5	144
Total Dissolved Solids	mg/L	Quarterly	4	472	521.75	516	583
Total Organic Carbon	mg/L	Quarterly	4	8	12	12	16
MW08							
Analyte	Units	Monitoring	# of times	Mar-21	Apr-22		
Aluminium	mg/L	Frequency Req'd Annual	measured 1	1.72	3.05		
Arsenic	mg/L	Annual	1	0.007	0.008		
Barium	mg/L	Annual	1	0.028	0.035		
Benzene	ug/L	Annual	0	<1	<1		
Biochemical Oxygen Demand	mg/L	Annual	0	~1			
Cadmium	mg/L	Annual	0	<0.0001	<0.0001		
Hexavalent Chromium	mg/L	Annual	0	< 0.001	<0.001		
Total Chromium	mg/L	Annual	1	0.003	0.005		
Cobalt	mg/L	Annual	1	0.011	0.008		
Copper	mg/L	Annual	1	0.005	0.012		
Ethyl- Benzene	mg/L	Annual	0	<2	<2		
Fluoride	mg/L	Annual	1	0.2	0.2		
Lead	mg/L	Annual	1	0.004	0.007		
Manganese	mg/L	Annual	1	0.201	0.159		
Mercury	mg/L	Annual	0	< 0.0001	< 0.0001		
Nickel	mg/L	Annual	0				
Nitrate	mg/L	Annual	1	< 0.01	0.32		
Nitrite	mg/L	Annual	0	< 0.01	< 0.01		
Nitrogen (total)	mg/L	Annual	1	< 0.01	0.32		
Phosphorous (total)	mg/L	Annual	0				
Redox Potential	ug/L	Annual	1	72.9	-224		
Toluene	ug/L	Annual	0	<2	<2		
TRHs	ug/L	Annual	0	<50	<50		
Xylene	mg/L	Annual	0	<2	<2		
Zinc	mg/L	Annual	1	0.041	0.319		
MW09							
Analyte	Units of	Frequency of	# of times	Min Value	Mean Value	Median	Max Value
-	measure	Monitoring Req'd	measured 4		7	Value 8	12
Alkalinity (CaCO3) Ammonia as N	mg/L	Quarterly Quarterly	4	0	0.02	0.03	0.03
Calcium	mg/L		3	0	0.02	0.03	0.03
Chloride	mg/L mg/L	Quarterly Quarterly	4	22	85.5	0 71.5	0 177
Flouride	mg/L	Quarterly	4	0	0 0	0	0
Magnesium		Quarterly	4	1	3.75	3	8
	ma/l		4	1	3.75		
	mg/L		1	15	5 075	5 1 5	55
pH	pH units	Quarterly	4	4.5	5.075	5.15	5.5
pH Potassium	pH units mg/L	Quarterly Quarterly	1	0	0	0	0
pH Potassium Sodium	pH units mg/L mg/L	Quarterly Quarterly Quarterly	1 4	0 26	0 70.5	0 62	0 132
pH Potassium Sodium Standing water level	pH units mg/L mg/L m AHD	Quarterly Quarterly Quarterly Quarterly	1 4 3	0 26 2.75	0 70.5 3.77	0 62 4.13	0 132 4.43
pH Potassium Sodium Standing water level Sulphate	pH units mg/L mg/L m AHD mg/L	Quarterly Quarterly Quarterly Quarterly Quarterly	1 4 3 4	0 26 2.75 22	0 70.5 3.77 51.5	0 62 4.13 44.5	0 132 4.43 95
pH Potassium Sodium Standing water level	pH units mg/L mg/L m AHD	Quarterly Quarterly Quarterly Quarterly	1 4 3	0 26 2.75	0 70.5 3.77	0 62 4.13	0 132 4.43

Potassium
Sodium
Standing water level
Sulphate
Total Dissolved Solids
Total Organic Carbon
MW09

MVV09					
Analyte	Units	Monitoring Frequency Reg'd	# of times measured	Mar-21	Apr-22
Aluminium	mg/L	Annual	1	1.57	15.4
Arsenic	mg/L	Annual	1	0.009	0.006
Barium	mg/L	Annual	1	0.048	0.086
Benzene	ug/L	Annual	0	<1	<1
Biochemical Oxygen Demand	mg/L	Annual	0		
Cadmium	mg/L	Annual	0	<0.0001	<0.0001
Hexavalent Chromium	mg/L	Annual	0	<0.01	<0.01
Total Chromium	mg/L	Annual	1	0.002	0.021
Cobalt	mg/L	Annual	1	0.003	0.002
Copper	mg/L	Annual	1	0.006	0.05
Ethyl- Benzene	mg/L	Annual	0	<2	<2
Fluoride	mg/L	Annual	0	<0.1	<0.1
Lead	mg/L	Annual	1	0.004	0.028
Manganese	mg/L	Annual	1	0.052	0.035
Mercury	mg/L	Annual	0	<0.0001	<0.0001
Nickel	mg/L	Annual	0		
Nitrate	mg/L	Annual	1	<0.01	0.02
Nitrite	mg/L	Annual	0	<0.01	<0.01
Nitrogen (total)	mg/L	Annual	1	<0.01	0.02
Phosphorous (total)	mg/L	Annual	0		
Redox Potential	ug/L	Annual	1	141	-195
Toluene	ug/L	Annual	0	<2	<2
TRHs	ug/L	Annual	0	<50	<50
Xylene	mg/L	Annual	0	<2	<2
Zinc	mg/L	Annual	1	0.023	0.047

Μ	W	1	0

Analyte	Units of measure	Frequency of Monitoring Req'd	# of times measured	Min Value	Mean Value	Median Value	Max Value
Alkalinity (CaCO3)	mg/L	Quarterly	3	19	29.666667	32	38
Ammonia as N	mg/L	Quarterly	1	0.02	0.02	0.02	0.02
Calcium	mg/L	Quarterly	4	1	2.75	3	4
Chloride	mg/L	Quarterly	4	196	222.5	203	288
Flouride	mg/L	Quarterly	0	0	0	0	0
Magnesium	mg/L	Quarterly	4	10	12.5	10.5	19
pH	pH units	Quarterly	4	4.7	5.15	5.05	5.8
Potassium	mg/L	Quarterly	4	1	2.5	2	5
Sodium	mg/L	Quarterly	4	188	210.25	208	237
Standing water level	m AHD	Quarterly	3	2.02	3.1933333	3.62	3.94
Sulphate	mg/L	Quarterly	4	212	253.75	263	277
Total Dissolved Solids	mg/L	Quarterly	4	798	854.75	856.5	908
Total Organic Carbon	mg/L	Quarterly	4	8	9.25	8.5	12

MW10

Analyte	Units	Monitoring Frequency Req'd	# of times measured	Mar-21	Apr-22
Aluminium	mg/L	Annual	1	DRY	2.53
Arsenic	mg/L	Annual	1	DRY	0.014
Barium	mg/L	Annual	1	DRY	0.046
Benzene	ug/L	Annual	0	DRY	<1
Biochemical Oxygen Demand	mg/L	Annual	0	DRY	
Cadmium	mg/L	Annual	0	DRY	<0.0001
Hexavalent Chromium	mg/L	Annual	0	DRY	<0.01
Total Chromium	mg/L	Annual	1	DRY	0.006
Cobalt	mg/L	Annual	1	DRY	0.002
Copper	mg/L	Annual	1	DRY	0.018
Ethyl- Benzene	mg/L	Annual	0	DRY	<2
Fluoride	mg/L	Annual	1	DRY	0.1
Lead	mg/L	Annual	1	DRY	0.009
Manganese	mg/L	Annual	1	DRY	0.07
Mercury	mg/L	Annual	0	DRY	<0.0001
Nickel	mg/L	Annual	0	DRY	
Nitrate	mg/L	Annual	0	DRY	<0.01
Nitrite	mg/L	Annual	0	DRY	<0.01
Nitrogen (total)	mg/L	Annual	0	DRY	<0.01
Phosphorous (total)	mg/L	Annual	0	DRY	
Redox Potential	ug/L	Annual	1	DRY	-239
Toluene	ug/L	Annual	0	DRY	<2
TRHs	ug/L	Annual	0	DRY	<50
Xylene	mg/L	Annual	0	DRY	<2
Zinc	mg/L	Annual	1	DRY	0.046

MW11 Units of measure # of times measured Median Value Frequency of Monitoring Req'd Analyte Min Value Mean Value Max Value mg/L mg/L mg/L mg/L mg/L 47.5 0.015 14 731 94 0.07 Alkalinity (CaCO3) 48 Quarterly 4 3 0.025 13.75 702.25 Quarterly Quarterly Quarterly Ammonia as N 4 0 Calcium Chloride 8 97 19 1250 4 4 Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Flouride Magnesium pH mg/L mg/L pH units 0 4 0 5 0 36 0 0 38 5.575 75 7 4 4 4 5.65 pH Potassium Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon mg/L mg/L m AHD 2.5 424.5 4 1 2.5 4 94 439 726 3.32 238 2730 2.4 153 2.4433333 3 1.61 mg/L mg/L 149.25 1523.75 4 53 385 1490 4 mg/L 4 3 7 6.5 12

MW11					
Analyte	Units	Monitoring Frequency Req'd	# of times measured	Mar-21	Apr-22
Aluminium	mg/L	Annual	1	7.57	4.39
Arsenic	mg/L	Annual	1	0.004	0.005
Barium	mg/L	Annual	1	0.093	0.094
Benzene	ug/L	Annual	0	<1	<1
Biochemical Oxygen Demand	mg/L	Annual	0		
Cadmium	mg/L	Annual	1	0.0008	0.0002
Hexavalent Chromium	mg/L	Annual	0	<0.01	<0.01
Total Chromium	mg/L	Annual	1	0.011	0.009
Cobalt	mg/L	Annual	1	0.053	0.005
Copper	mg/L	Annual	1	0.083	0.012
Ethyl- Benzene	mg/L	Annual	0	<2	<2
Fluoride	mg/L	Annual	1	1	0.3
Lead	mg/L	Annual	1	0.014	0.008
Manganese	mg/L	Annual	1	1.35	0.146
Mercury	mg/L	Annual	0	<0.0001	<0.0001
Nickel	mg/L	Annual	0		
Nitrate	mg/L	Annual	1	<0.01	0.03
Nitrite	mg/L	Annual	0	<0.01	<0.01
Nitrogen (total)	mg/L	Annual	1	<0.01	0.03
Phosphorous (total)	mg/L	Annual	0		
Redox Potential	ug/L	Annual	1	158	-221
Toluene	ug/L	Annual	0	<2	<2
TRHs	ug/L	Annual	0	<50	<50
Xylene	mg/L	Annual	0	<2	<2
Zinc	mg/L	Annual	1	0.323	0.154

MW12							
Analyte	Units of measure	Frequency of Monitoring Req'd	# of times measured	Min Value	Mean Value	Median Value	Max Value
Alkalinity (CaCO3)	mg/L	Quarterly	4	138	210	169	364
Ammonia as N	mg/L	Quarterly	4	0.05	0.2	0.165	0.42
Calcium	mg/L	Quarterly	4	15	38.75	26	88
Chloride	mg/L	Quarterly	4	292	330.75	326.5	378
Flouride	mg/L	Quarterly	0	0	0	0	0
Magnesium	mg/L	Quarterly	4	20	23.25	22.5	28
pH	pH units	Quarterly	4	5.8	6.425	6.45	7
Potassium	mg/L	Quarterly	4	4	5	5	6
Sodium	mg/L	Quarterly	4	185	210	197.5	260
Standing water level	m AHD	Quarterly	3	9.91	11.93	12.7	13.18
Sulphate	mg/L	Quarterly	4	31	39	40.5	44
Total Dissolved Solids	mg/L	Quarterly	4	694	773.5	746.5	907
Total Organic Carbon	mg/L	Quarterly	3	2	2.6666667	2	4

Μ	W1	2

Analyte	Units	Monitoring Frequency Reg'd	# of times measured	Mar-21	Apr-22
Aluminium	mg/L	Annual	1	3.54	0.87
Arsenic	mg/L	Annual	1	0.002	0.001
Barium	mg/L	Annual	1	0.103	0.079
Benzene	ug/L	Annual	0	<1	<1
Biochemical Oxygen Demand	mg/L	Annual	0		
Cadmium	mg/L	Annual	0	<0.0001	<0.0001
Hexavalent Chromium	mg/L	Annual	0	<0.01	<0.01
Total Chromium	mg/L	Annual	1	0.006	0.002
Cobalt	mg/L	Annual	1	0.002	0.003
Copper	mg/L	Annual	1	0.009	0.012
Ethyl- Benzene	mg/L	Annual	0	<2	<2
Fluoride	mg/L	Annual	1	0.8	2
Lead	mg/L	Annual	1	0.008	0.004
Manganese	mg/L	Annual	1	0.957	1.14
Mercury	mg/L	Annual	0	<0.0001	<0.0001
Nickel	mg/L	Annual	0		
Nitrate	mg/L	Annual	1	<0.01	0.03
Nitrite	mg/L	Annual	0	<0.01	<0.01
Nitrogen (total)	mg/L	Annual	1	<0.01	0.03
Phosphorous (total)	mg/L	Annual	0		
Redox Potential	ug/L	Annual	1	52.5	-219
Toluene	ug/L	Annual	0	<2	<2
TRHs	ug/L	Annual	0	<50	<50
Xylene	mg/L	Annual	0	<2	<2
Zinc	mg/L	Annual	1	0.084	0.113

SW01							
Analyte	Units of measure	Frequency of Monitoring Req'd	# of times measured	Min Value	Mean Value	Median Value	Max Value
Ammonia as N	mg/L	Quarterly	4	0	0.1725	0.145	0.4
BOD5	mg O2/L	Quarterly	4	0	2.75	3.5	4
Conductivity	uS/cm	Quarterly	4	612	817.5	830	998
Dissolved Oxygen	mg/L	Quarterly	4	1.06	3.8475	4.01	6.31
pH	pH units	Quarterly	4	6.2	6.75	6.5	7.8
Potassium	mg/L	Quarterly	4	17	28.5	28	41
Total Dissolved Solids	mg/L	Quarterly	4	448	528	500.5	663
Total Organic Carbon	mg/L	Quarterly	4	21	34.5	31.5	54
Total Suspended Solids	mg/L	Quarterly	0	0	0	0	0

SW01	

Analyte	Units	Monitoring Frequency Req'd	# of times measured	Mar-21	Apr-22
Ammonia as N	mg/L	Annual	1	0.55	0.25
BOD	mg/L	Annual	1	2	3
Conductivity	mg/L	Annual	1	831	998
Dissolved Oxygen	ug/L	Annual	1	4.57	2.41
pH	mg/L	Annual	1	6.6	6.4
Potassium	mg/L	Annual	1	16	41
Total Dissolved Solids	mg/L	Annual	1	482	663
Total Suspended Solids	mg/L	Annual	0	-	-
Total Organic Carbon	mg/L	Annual	1	26	54

SW02

Analyte	Units of measure	Frequency of Monitoring Reg'd	# of times measured	Min Value	Mean Value	Median Value	Max Value
Ammonia as N	mg/L	Quarterly	3	0	0.2933333	0.02	0.86
BOD5	mg O2/L	Quarterly	3	0	1.3333333	2	2
Conductivity	uS/cm	Quarterly	4	667	840.75	823	1050
Dissolved Oxygen	mg/L	Quarterly	4	1.52	4.6125	4.665	7.6
pH	pH units	Quarterly	4	6.5	6.9	6.65	7.8
Potassium	mg/L	Quarterly	4	16	28.25	23	51
Total Dissolved Solids	mg/L	Quarterly	4	432	549.25	482	801
Total Organic Carbon	mg/L	Quarterly	4	28	39.5	38	54
Total Suspended Solids	mg/L	Quarterly	0	0	0	0	0

SW02

Analyte	Units	Monitoring Frequency Req'd	# of times measured	Mar-21	Apr-22
Ammonia as N	mg/L	Annual	1	DRY	0.86
BOD	mg/L	Annual	1	DRY	2
Conductivity	mg/L	Annual	1	DRY	953
Dissolved Oxygen	mg/L	Annual	1	DRY	3.56
pH	mg/L	Annual	1	DRY	6.5
Potassium	mg/L	Annual	1	DRY	51
Total Dissolved Solids	mg/L	Annual	1	DRY	801
Total Suspended Solids	mg/L	Annual	0		-
Total Organic Carbon	mg/L	Annual	1	DRY	54

	LEUT
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LE01					
Analyte	Units	Monitoring Frequency Req'd	# of times measured	Mar-21	Apr-22
Aluminium	mg/L	Annually	1	0.13	0.13
Arsenic	mg/L	Annually	1	0.007	0.007
Barium	ug/L	Annually	1	0.278	0.278
Benzene	ug/L	Annually	1	<1	<1
BOD	ug/L	Annually	0	-	
Cadmium	mg/L	Annually	1	<0.0001	<0.0001
Calcium	mg/L	Annually	1	160	160
Chloride	mg/L	Annually	1	189	189
Chromium (hexavalent)	mg/L	Annually	1	<0.01	<0.01
Chromium (total)	mg/L	Annually	1	0.017	0.017
Cobalt	ug/L	Annually	1	<0.001	<0.001
Copper	mg/L	Annually	1	<0.001	<0.001
Dissolved oxygen	mg/L	Annually	1	1.11	1.11
Electrical conductivity	mg/L	Annually	1	1400	1400
Ethyl benzene	mg/L	Annually	1	<2	<2
Fluoride	mg/L	Annually	1	0.2	0.2
Lead	mg/L	Annually	1	<0.001	<0.001
Magnesium	mg/L	Annually	0	36	
Manganese	mg/L	Annually	1	0.388	0.388
Mercury	mg/L	Annually	1	<0.0001	< 0.0001
Nickel	mg/L	Annually	0	-	-
Nitrate	mg/L	Annually	1	<0.01	<0.01
Nitrite	mg/L	Annually	1	<0.01	<0.01
Nitrogen (ammonia)	mg/L	Annually	1	47.4	47.4
Nitrogen (total)	mg/L	Annually	1	<0.01	<0.01
рН	mg/L	Annually	1	6	6
Phosphorous (total)	mg/L	Annually	1	0.12	0.12
Potassium	ug/L	Annually	1	49	49
Redox potential	ug/L	Annually	0	-	-
Sodium	ug/L	Annually	1	115	115
Sulfate	mg/L	Annually	1	68	68
Toluene	mg/L	Annually	1	<2	<2
Total dissolved solids	mg/L	Annually	1	807	807
Total organic carbon	mg/L	Annually	1	72	72
Total pertoleum hydrocarbons	mg/L	Annually	1	550	550
Total suspended solids	ug/L	Annually	1	18	18
Xylene	mg/L	Annually	1	<2	<2
Motes:	mg/L	Annually	1	0.007	0.007

MW01 dry during all sampling events (quarterly nd annual) Flouride not tested in any quaterly samping events

Biochemical Oxygen Demand, Nickel and Phosphorous not tested in annual sampling event