## Huskisson Recycling & Waste Facility -2021 - 2022 EPL Water Monitoring Data Licencee: Shoalhaven City Council, PO Box 42 Nowra 2541



MW01 Analyte Alkalinity (CaCO3) Ammonia as N Calcium Chloride Flouride Magnesium pH Potassium	Units of measure mg/L mg/L mg/L mg/L mg/L pH units mg/L		of times easured         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	Hu 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Median Value 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	I, Huskisson Max Value 0 0 0 0 0 0 0 0 0 0 0 0
Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon MW01 Analyte Aluminium Arsenic Barium Benzene Biochemical Oxygen Demand Cadmium	mg/L m AHD mg/L mg/L mg/L	Quarterly Quarterly Quarterly Quarterly Quarterly Monitoring # 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 Apr-22 DRY DRY DRY DRY DRY DRY DRY		
Hexavalent Chromium Total Chromium Cobalt Copper Ethyl- Benzene Fluoride Lead Manganese Mercury Nickel Nitrate Nitrite Nitrite Nitrogen (total) Phosphorous (total)	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual	0         DRY           0         DRY	DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY		
Redox Potential Toluene TRHs Xylene Zinc MW02 Analyte Alkalinity (CaCO3) Ammonia as N Calcium Chloride Flouride	ug/L ug/L mg/L mg/L Mg/L Units of measure mg/L mg/L mg/L mg/L	Annual Annual Annual Annual Annual <u>Annual</u> <u>Frequency of # 6</u> <u>Monitoring Reg'd me</u> Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly	0 DRY 0 DRY 0 DRY 0 DRY 0 DRY 0 DRY 0 DRY 0 DRY 0 2 0.01 4 40 4 780 0 0	DRY DRY DRY DRY DRY 150.25 0.125 41.5 1662.5 0	Median Value 147 0.125 41 1695 0	Max Value 211 0.24 44 2480 0
Magnesium pH Potassium Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon MWO2 Analyte Aluminium Arsenic	mg/L mg/L	Frequency Reg'd me Annual Annual	4       80         4       5.5         4       6         4       448         3       0.2         4       159         3       1640         4       14         Mar-21         1       1.25         1       0.003	163.5 6.2 8.75 874.75 2.07 341.25 3420 18.5 Apr-22 0.43 0.004	180 6.1 8.5 960.5 2.8 360.5 3580 16	214 7.1 12 1130 3.21 485 5040 28
Barium Benzene Biochemical Oxygen Demand Cadmium Hexavalent Chromium Total Chromium Cobalt Copper Ethyl- Benzene Fluoride Lead Manganese Mercury Nickel	mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L m	Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual	$\begin{array}{ccccccc} 1 & 0.055 \\ 0 & <1 \\ 0 \\ 0 & 0.0001 \\ 0 & <0.01 \\ 1 & 0.002 \\ 1 & 0.335 \\ 1 & 0.011 \\ 0 & <2 \\ 1 & 2 \\ 1 & 2 \\ 1 & 0.009 \\ 1 & 2.88 \\ 0 & <0.0001 \\ 0 \\ \end{array}$	0.037 <1 <0.0001 <0.01 0.002 0.172 0.028 <2 0.9 0.01 1.57 <0.0001		
Nitrate Nitrite Nitrogen (total) Phosphorous (total) Redox Potential Toluene TRHs Xylene Zinc MWV03 Analyte Alkalinity (CaCO3)	mg/L	Monitoring Reg'd me Quarterly	1       0.02         0       <0.01	0.36 <0.01 0.36 -206 <2 <50 <2 0.279 Mean Value 69.25	Median Value 69.5	Max Value
Ammonia as N Calcium Chloride Flouride Magnesium pH Potassium Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon	mg/L mg/L mg/L mg/L pH units mg/L mg/L mg/L mg/L mg/L	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.015 23.75 577.25 0 49.5 5.575 6.5 285.5 0.0533333 109.25 1172.5 1.3333333	0.015 24 573 0 49.5 5.6 6 292.5 0.05 109.5 1160 2	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	Units mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L m		of times easured         Mar-21           1         0.86           0         <0.001	Apr-22 0.56 <0.001 0.048 <1 <0.0001 <0.001 <0.001 0.018 0.006 <2 0.6 0.002		
Manganese Mercury Nickel Nitrate Nitrite Nitrogen (total) Phosphorous (total) Redox Potential Toluene TRHs Xylene Zinc MWV04	mg/L mg/L mg/L mg/L mg/L mg/L ug/L ug/L ug/L mg/L mg/L	Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual	$\begin{array}{cccc} 1 & 0.824 \\ 0 & < 0.0001 \\ 0 \\ 1 & < 0.01 \\ 0 & < 0.01 \\ 1 & < 0.01 \\ 0 \\ 1 & 174 \\ 0 & < 2 \\ 0 & < 50 \\ 0 & < 2 \\ 1 & 0.124 \end{array}$	0.776 <0.0001 0.02 <0.01 0.02 -199 <2 <50 <2 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 pH units mg/L mg/L mg/L mg/L mg/L	• •	of times pasured         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
MW04 Analyte Aluminium Arsenic Barium Benzene Biochemical Oxygen Demand Cadmium Hexavalent Chromium Total Chromium Cobalt Copper	Unite	Monitoring # d	4         2           of times easured         Mar-21           1         0.25           1         <0.001	Apr-22 2.25 0.006 0.081 <1 0.0001 <0.01 0.006 0.019 0.014	10.0	23
Ethyl-Benzene Fluoride Lead Manganese Mercury Nickel Nitrate Nitrite Nitrogen (total) Phosphorous (total) Redox Potential Toluene TRHs Xylene	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual	$\begin{array}{c cccc} 0 & <2 \\ 1 & 0.4 \\ 1 & <0.001 \\ 1 & 0.463 \\ 0 & <0.0001 \\ 0 \\ 1 & <0.01 \\ 0 \\ 1 & <0.01 \\ 1 & <0.01 \\ 0 \\ 1 & 112 \\ 0 & <2 \\ 0 & <50 \\ 0 & <2 \end{array}$	<2 0.4 0.009 0.571 <0.0001 0.07 <0.01 0.07 -218 <2 <50 <2		
Zinc MW05 Analyte Alkalinity (CaCO3) Ammonia as N Calcium Chloride Flouride Magnesium pH Potassium Sodium	mg/L mg/L mg/L mg/L mg/L mg/L pH units mg/L mg/L	Monitoring Req'd me Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly	1         0.131           of times         Min Value           4         3           3         0.1           4         8           4         522           0         0           4         41           4         4.7           3         0           4         275	0.298 Mean Value 15.25 0.2066667 8.75 672.75 0 52 5.05 1.6666667 334.5	Median Value 10 0.22 9 667.5 0 52.5 5.1 2 336.5	Max Value 38 0.3 9 834 0 62 5.3 3 3 390
Standing water level Sulphate Total Dissolved Solids Total Organic Carbon MW05 Analyte Aluminium Arsenic Barium Benzene Biochemical Oxygen Demand Cadmium Hexavalent Chromium	m AHD mg/L mg/L mg/L Units Units mg/L mg/L ug/L mg/L mg/L mg/L		3       2.62         4       152         4       1010         4       15         0       15         0       <0.001	3.3166667 166.75 1330 16.25 Apr-22 3.61 0.003 0.054 <1 <0.0001 <0.01	3.35 164 1340 16.5	3.98 187 1630 17
Total Chromium Cobalt Copper Ethyl-Benzene Fluoride Lead Manganese Mercury Nickel Nitrate Nitrite Nitrite Nitrogen (total) Phosphorous (total) Redox Potential	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.005 0.005 0.008 <2 0.1 0.012 0.034 <0.0001 0.03 <0.01 0.03 -188		
Toluene TRHs Xylene Zinc MW06 Analyte Alkalinity (CaCO3) Ammonia as N Calcium Chloride Flouride Magnesium	ug/L ug/L mg/L mg/L	Annual Annual Annual Annual Frequency of # d	0 <2 1 250 0 <2 1 0.018 0 <2 1 0.018 0 018 0 0 4 0.03 4 7 4 958 0 0 4 63	<ul> <li>&lt;2</li> <li>360</li> <li>&lt;2</li> <li>0.07</li> </ul> Mean Value 2 <ul> <li>0.0525</li> <li>10.25</li> <li>1174.5</li> <li>0</li> <li>84.75</li> </ul>	Median Value 2 0.04 7.5 1205 0 82	Max Value 4 0.1 19 1330 0 112
pH Potassium Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon MW06 Analyte Aluminium Arsenic Barium	pH units mg/L m AHD mg/L mg/L mg/L	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monitoring # 6	4       4.1         4       5         4       524         3       4         4       127         4       1960         3       1         0       1         1       1.98         1       0.001         1       0.059	4.35 6.75 633.25 4.96 142.5 2267.5 1.66666667 Apr-22 7.2 0.005 0.109	4.35 6 635 5.14 147.5 2195 2	4.6 10 739 5.74 148 2720 2
Benzene Biochemical Oxygen Demand Cadmium Hexavalent Chromium Total Chromium Cobalt Copper Ethyl- Benzene Fluoride Lead Manganese Mercury Nickel Nitrate	ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L m	Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual	$\begin{array}{c cccc} 0 & <1 \\ 0 \\ 1 & 0.0002 \\ 0 & <0.01 \\ 1 & 0.002 \\ 1 & 0.048 \\ 1 & 0.021 \\ 0 & <2 \\ 1 & 0.5 \\ 1 & 0.5 \\ 1 & 0.007 \\ 1 & 1.11 \\ 0 & <0.0001 \\ 0 \\ 1 & <0.01 \\ \end{array}$	<1 0.0006 <0.01 0.011 0.138 0.024 <2 0.8 0.017 2.69 <0.0001 0.02		
Nitrite Nitrogen (total) Phosphorous (total) Redox Potential Toluene TRHs Xylene Zinc MW07 Analyte Alkalinity (CaCO3) Ammonia as N	mg/L mg/L	Monitoring Reg'd me Quarterly Quarterly	0 <0.01 1 <0.01 0 1 186 0 <2 0 <50 0 <2 1 0.3 0 0 0 4 2 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<0.01 0.02 -182 <2 <50 <2 0.912 Mean Value 2.75 0.0133333	Median Value 2.5 0.01	Max Value 4 0.03
Calcium Chloride Flouride Magnesium pH Potassium Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon MW07 Analyte	mg/L mg/L mg/L pH units mg/L mg/L mg/L mg/L mg/L		2 0 4 38 0 0 4 2 4 4.1 1 0 4 58 3 4.7 4 82 4 404 4 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.5 73.75 0 4.75 4.75 0 80 5.5166667 93.25 462.25 2.25	0.5 69 0 4.5 4.75 0 78 5.42 94.5 441 2.5	$ \begin{array}{c} 1\\ 119\\ 0\\ 8\\ 5.4\\ 0\\ 106\\ 6.43\\ 102\\ 563\\ 3\\ \end{array} $
Aluminium Arsenic Barium Benzene Biochemical Oxygen Demand Cadmium Hexavalent Chromium Total Chromium Cobalt Copper Ethyl- Benzene Fluoride Lead Manganese	mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L m	Frequency Reg'd mo Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	32.4 0.016 0.198 <1 <0.0001 <0.01 0.043 0.007 0.067 <2 0.1 0.049 0.098		
Mercury Nickel Nitrate Nitrite Nitrogen (total) Phosphorous (total) Redox Potential Toluene TRHs Xylene Zinc	mg/L mg/L mg/L mg/L mg/L ug/L ug/L ug/L mg/L mg/L	Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual	1 <0.0001 0 1 <0.01 0 <0.01 1 <0.01 0 <0.01 1 <0.01 0 1 196 0 <2 0 <50 0 <2 1 0.006	0.0003 0.01 <0.01 0.01 -206 <2 <50 <2 0.136	Median	
Analyte Alkalinity (CaCO3) Ammonia as N Calcium Chloride Flouride Magnesium pH Potassium Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon			Min Value           4         0           3         0           4         15           4         67           0         0           4         13           4         5.5           4         2           4         100           3         0.45           4         82           4         472           4         8	Mean Value 102.25 0.0233333 24 114.25 0 15.75 6.2 3.25 120.5 0.9433333 108.75 521.75 12	Value 104 0.02 22 100 0 16.5 6.1 3.5 111.5 1.03 104.5 516 12	Max Value 201 0.05 37 190 0 17 7.1 4 159 1.35 144 583 16
MW08 Analyte Aluminium Arsenic Barium Benzene Biochemical Oxygen Demand Cadmium Hexavalent Chromium Total Chromium Cobalt Copper	Units mg/L mg/L ug/L ug/L mg/L mg/L mg/L mg/L mg/L	Monitoring # d	of times pasured         Mar-21           1         1.72           1         0.007           1         0.028           0         <1	Apr-22 3.05 0.008 0.035 <1 <0.0001 <0.01 0.005 0.008 0.012		
Ethyl- Benzene Fluoride Lead Manganese Mercury Nickel Nitrate Nitrite Nitrogen (total) Phosphorous (total) Redox Potential Toluene TRHs Xylene	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual	$\begin{array}{c cccc} 0 & <2 \\ 1 & 0.2 \\ 1 & 0.004 \\ 1 & 0.201 \\ 0 & <0.0001 \\ 0 \\ 1 & <0.01 \\ 0 \\ 1 & <0.01 \\ 1 & <0.01 \\ 0 \\ 1 & 72.9 \\ 0 & <2 \\ 0 & <50 \\ 0 & <2 \\ \end{array}$	<2 0.2 0.007 0.159 <0.0001 0.32 <0.01 0.32 -224 <2 <50 <2		
Zinc MW09 Analyte Alkalinity (CaCO3) Ammonia as N Calcium Chloride Flouride Flouride Magnesium pH Potassium Sodium	mg/L mg/L mg/L mg/L mg/L mg/L pH units mg/L mg/L	Monitoring Reg'd me Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly	1         0.041           of times         Min Value           4         0           3         0           1         0           4         22           0         0           4         1           4         4.5           1         0           4         26	0.319 Mean Value 7 0.02 0 85.5 0 3.75 5.075 0 70.5	Median Value 8 0.03 0 71.5 0 3 5.15 0 62	Max Value 12 0.03 0 177 0 8 5.5 0 132 132
Standing water level Sulphate Total Dissolved Solids Total Organic Carbon MW09 Analyte Aluminium Arsenic Barium Benzene Biochemical Oxygen Demand Cadmium	mg/L mg/L ug/L mg/L mg/L mg/L	Frequency Reg'd mo Annual Annual Annual Annual Annual Annual Annual	3     2.75       4     22       4     170       4     4       of times     Mar-21       asured     Mar-21       1     1.57       1     0.009       1     0.048       0     <1	3.77 51.5 301 6.5 Apr-22 15.4 0.006 0.086 <1 <0.0001	4.13 44.5 254.5 6.5	4.43 95 525 9
Hexavalent Chromium Total Chromium Cobalt Copper Ethyl- Benzene Fluoride Lead Manganese Mercury Nickel Nitrate Nitrate Nitrite Nitrogen (total) Phosphorous (total)	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual	$\begin{array}{c cccc} 0 & <0.01 \\ 1 & 0.002 \\ 1 & 0.003 \\ 1 & 0.006 \\ 0 & <2 \\ 0 & <0.1 \\ 1 & 0.004 \\ 1 & 0.052 \\ 0 & <0.001 \\ 0 \\ 1 & <0.01 \\ 0 & <0.01 \\ 1 & <0.01 \\ 0 \\ 0 \\ \end{array}$	<0.01 0.021 0.002 0.05 <2 <0.1 0.028 0.035 <0.0001 0.02 <0.01 0.02		
Redox Potential Toluene TRHs Xylene Zinc MW10 Alkalinity (CaCO3) Ammonia as N Calcium Chloride Flouride	mg/L mg/L mg/L mg/L mg/L	Monitoring Reg'd me Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly	1         141           0         <2	-195 <2 <50 <2 0.047 Mean Value 29.666667 0.02 2.75 222.5 0 0	Median Value 32 0.02 3 203 0	Max Value 38 0.02 4 288 0
Magnesium pH Potassium Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon MW10 Analyte Aluminium Arsenic	mg/L pH units mg/L m AHD mg/L mg/L mg/L Units mg/L mg/L	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly	4 10 4 4.7 4 1 4 188 3 2.02 4 212 4 798 4 8 5 6 6 7 7 8 7 8 7 1 DRY 1 DRY 1 DRY 1 DRY 1 DRY	12.5 5.15 2.5 210.25 3.1933333 253.75 854.75 9.25 Apr-22 2.53 0.014	10.5 5.05 2 208 3.62 263 856.5 8.5	19 5.8 5 237 3.94 277 908 12
Barium Benzene Biochemical Oxygen Demand Cadmium Hexavalent Chromium Total Chromium Cobalt Copper Ethyl- Benzene Fluoride Lead Manganese Mercury Nickel Nitrate	mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L m	Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual		0.046 <1 <0.0001 <0.01 0.006 0.002 0.018 <2 0.1 0.009 0.07 <0.0001 <0.01		
Nitrate Nitrite Nitrogen (total) Phosphorous (total) Redox Potential Toluene TRHs Xylene Zinc MWU11 Analyte Alkalinity (CaCO3) Ammonia as N	mg/L mg/L mg/L ug/L ug/L ug/L mg/L mg/L mg/L	Annual Annual Annual Annual Annual Annual Annual Annual	0         DRY           0         DRY           0         DRY           0         DRY           1         DRY           0         DRY           0         DRY           0         DRY           0         DRY           0         DRY           1         DRY           0         DRY           1         DRY           0         DRY           4         3           4         0	<0.01 <0.01 -239 <2 <50 <2 0.046 Mean Value 48 0.025	Median Value 47.5 0.015	Max Value 94 0.07
Ammonia as N Calcium Chloride Flouride Magnesium pH Potassium Sodium Standing water level Sulphate Total Dissolved Solids Total Organic Carbon	mg/L mg/L mg/L mg/L pH units mg/L mg/L mg/L mg/L mg/L	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly	4 0 4 8 4 97 0 0 4 5 4 4 4 1 4 94 3 1.61 4 53 4 385 4 3 85 4 3	0.025 13.75 702.25 0 38 5.575 2.5 424.5 2.4433333 149.25 1523.75 7		
Analyte Aluminium Arsenic Barium Benzene Biochemical Oxygen Demand Cadmium Hexavalent Chromium Total Chromium Cobalt Copper Ethyl- Benzene Fluoride Lead	Units mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L m		of times easured         Mar-21           1         7.57           1         0.004           1         0.093           0         <1	Apr-22 4.39 0.005 0.094 <1 0.0002 <0.01 0.009 0.005 0.012 <2 0.3 0.008		
Lead Manganese Mercury Nickel Nitrate Nitrite Nitrogen (total) Phosphorous (total) Redox Potential Toluene TRHs Xylene	mg/L mg/L mg/L mg/L mg/L mg/L mg/L ug/L ug/L ug/L mg/L mg/L	Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual	$\begin{array}{ccccccc} 1 & 0.014 \\ 1 & 1.35 \\ 0 & < 0.0001 \\ 0 \\ 1 & < 0.01 \\ 0 & < 0.01 \\ 1 & < 0.01 \\ 0 \\ 1 & 158 \\ 0 & < 2 \\ 0 & < 50 \\ 0 & < 2 \\ 1 & 0.323 \end{array}$	0.008 0.146 <0.0001 0.03 <0.01 0.03 -221 <2 <50 <2 0.154		

Analyte	Units of measure	Frequency of Monitoring Reg'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

#### MW12

Analyte	Units	Monitoring Frequency Req'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	ma/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 Req'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	ma/L	Annual	1	DRY	54

#### I F01

Analyte	Units	Monitoring	# of times	Mar-21	Apr-22
Aluminium	mg/L	Frequency Reg'd Annually	measured1	0.13	0.13
Arsenic	mg/L	Annually	1	0.007	0.007
Barium	ug/L	Annually	1	0.278	0.007
Benzene	ug/L	Annually	1	<1	<1
BOD		· · · · · · · · · · · · · · · · · · ·	0	~1	<li>&lt;1</li>
BOD Cadmium	ug/L	Annually	1	- <0.0001	<0.0001
	mg/L	Annually	1		
Calcium	mg/L	Annually	-	160	160
	mg/L	Annually	1	189	189
Chromium (hexavalent)	mg/L	Annually	-	< 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
PH	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
Zinc Notes:	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