

**Ulladulla Recycling & Waste Facility -
2021 - 2022 EPL Water Monitoring Data**



Licence: Shoalhaven City Council, PO Box 42 Nowra 2541

Environmental Protection Licence #3557
94 Pirralea Road, Ulladulla

MW01

Analyte	Units of measure	Frequency of Monitoring Req'd	# of times measured	Min Value	Mean Value	Median Value	Max Value
Depth	mbgl	Quarterly	4	12.27	14.49444	14.8	15.6
Aluminium	mg/L	Quarterly	4	3.74	8.603	5.4	28.6
Ammonia as N	mg/L	Quarterly	4	0	0.018	0.01	0.05
Arsenic	mg/L	Quarterly	4	0.002	0.0129	0.009	0.041
Barium	mg/L	Quarterly	4	0.095	0.2543	0.1465	0.838
Benzene	mg/L	Quarterly	0	0	0	0	0
Cadmium	mg/L	Quarterly	4	0.0002	0.00031	0.0002	0.001
Hexavalent Chromium	mg/L	Quarterly	0	0	0	0	0
Total Chromium	mg/L	Quarterly	4	0.003	0.0375	0.009	0.182
Cobalt	mg/L	Quarterly	4	0.008	0.0084	0.008	0.01
Conductivity (EC)	uS/cm	Quarterly	4	927	1208.7	1245	1360
Copper	mg/L	Quarterly	4	0.007	0.0426	0.0145	0.228
Ethyl- Benzene	mg/L	Quarterly	0	0	0	0	0
Hardness (as Calcium Carbonat	mg/L	Quarterly	4	99	110.2337	108.4115	128.5644
Lead	mg/L	Quarterly	4	0.008	0.0584	0.027	0.225
Magnesium	mg/L	Quarterly	4	23	25.7	25.5	30
Manganese	mg/L	Quarterly	4	0.004	0.0167	0.012	0.039
Mercury	mg/L	Quarterly	0	0	0	0	0
Nitrate	mg/L	Quarterly	4	0.02	0.054	0.05	0.13
pH	pH units	Quarterly	4	3.7	4.22	4	5.5
Phosphorus (Total P)	mg/L	Quarterly	4	0.21	4.113	0.74	19.1
Toluene	mg/L	Quarterly	0	0	0	0	0
Total Dissolved Solids	mg/L	Quarterly	4	609	680.8	690	756
Total Organic Carbon	mg/L	Quarterly	4	0	2.8	2	6
C6-C9	mg/L	Quarterly	0	0	0	0	0
C10-C14	mg/L	Quarterly	0	0	0	0	0
C15-C28	mg/L	Quarterly	0	0	0	0	0
C29-C36	mg/L	Quarterly	0	0	0	0	0
C10-C36 calculated	mg/L	Quarterly	0	0	0	0	0
Xylene	mg/L	Quarterly	0	0	0	0	0
Zinc	mg/L	Quarterly	4	0.1	0.1889	0.1865	0.283

MW02

Analyte	Units of measure	Frequency of Monitoring Req'd	# of times measured	Min Value	Mean Value	Median Value	Max Value
Depth	mbgl	Quarterly	4	4.59	4.725556	4.73	4.78
Aluminium	mg/L	Quarterly	4	0.02	0.151	0.135	0.48
Ammonia as N	mg/L	Quarterly	4	1.36	3.772	3.735	7.18
Arsenic	mg/L	Quarterly	1	0	0.000429	0	0.002
Barium	mg/L	Quarterly	4	0.25	0.3217	0.3045	0.499
Benzene	mg/L	Quarterly	0	0	0	0	0
Cadmium	mg/L	Quarterly	4	0	0.00033	0.0003	0.0009
Hexavalent Chromium	mg/L	Quarterly	0	0	0	0	0
Total Chromium	mg/L	Quarterly	3	0	0.001333	0.001	0.004
Cobalt	mg/L	Quarterly	0	0	0	0	0
Conductivity (EC)	uS/cm	Quarterly	4	1010	1208	1150	1540
Copper	mg/L	Quarterly	3	0	0.004778	0.003	0.022
Ethyl- Benzene	mg/L	Quarterly	0	0	0	0	0
Hardness (calculated)	mg/L	Quarterly	4	143.8	183.9707	185.9556	258.6
Lead	mg/L	Quarterly	4	0	0.0054	0.004	0.012
Magnesium	mg/L	Quarterly	4	24	31.2	31.5	44
Manganese	mg/L	Quarterly	4	0.948	1.1777	1.08	1.72
Mercury	mg/L	Quarterly	0	0	0	0	0
Nitrate	mg/L	Quarterly	3	0	0.061111	0	0.31
pH	pH units	Quarterly	4	5.7	6.28	6.3	6.7
Phosphorus (Total P)	mg/L	Quarterly	4	0.39	1.219	0.715	5.89
Toluene	mg/L	Quarterly	0	0	0	0	0
Total Dissolved Solids	mg/L	Quarterly	4	414	619.7	612	841
Total Organic Carbon	mg/L	Quarterly	4	4	13.3	14.5	17
C6-C9	mg/L	Quarterly	0	0	0	0	0
C10-C14	mg/L	Quarterly	1	0	12.54	0.03	100
C15-C28	mg/L	Quarterly	0	0	0	0	0
C29-C36	mg/L	Quarterly	0	0	0	0	0
C10-C36 calculated	mg/L	Quarterly	1	0	12.54	0.03	100
Xylene	mg/L	Quarterly	0	0	0	0	0
Zinc	mg/L	Quarterly	4	0.012	0.0441	0.0345	0.095

MW03

Analyte	Units of measure	Frequency of Monitoring Req'd	# of times measured	Min Value	Mean Value	Median Value	Max Value
Depth	mbgl	Quarterly	4	1.4	1.834444	1.75	2.75
Aluminium	mg/L	Quarterly	4	0.1	0.835	0.81	1.55
Ammonia as N	mg/L	Quarterly	4	0.52	2.334	1.85	8.47
Arsenic	mg/L	Quarterly	4	0	0.0032	0.0025	0.01
Barium	mg/L	Quarterly	4	0.036	0.0774	0.0665	0.15
Benzene	mg/L	Quarterly	0	0	0	0	0
Cadmium	mg/L	Quarterly	1	0	0.000025	0	0.0002
Hexavalent Chromium	mg/L	Quarterly	1	0	0	0	0
Total Chromium	mg/L	Quarterly	4	0.001	0.0029	0.003	0.005
Cobalt	mg/L	Quarterly	2	0	0.000444	0	0.002
Conductivity (EC)	uS/cm	Quarterly	4	727	1309.7	1175	2110
Copper	mg/L	Quarterly	3	0	0.004889	0.003	0.015
Ethyl- Benzene	mg/L	Quarterly	0	0	0	0	0
Hardness (calculated)	mg/L	Quarterly	4	165.792	271.2067	258.6768	442.3
Lead	mg/L	Quarterly	4	0	0.0029	0.002	0.006
Magnesium	mg/L	Quarterly	4	16	26.5	24	51
Manganese	mg/L	Quarterly	4	0.232	0.4076	0.372	0.612
Mercury	mg/L	Quarterly	1	0	0	0	0
Nitrate	mg/L	Quarterly	4	0	0.028	0.015	0.09
pH	pH units	Quarterly	4	5.8	6.13	6.2	6.5
Phosphorus (Total P)	mg/L	Quarterly	3	0.02	0.122222	0.04	0.64
Toluene	mg/L	Quarterly	0	0	0	0	0
Total Dissolved Solids	mg/L	Quarterly	4	418	815.7	718	2050
Total Organic Carbon	mg/L	Quarterly	4	19	27.6	27.5	41
C6-C9	mg/L	Quarterly	0	0	0	0	0
C10-C14	mg/L	Quarterly	0	0	0.034286	0	0.09
C15-C28	mg/L	Quarterly	0	0	0	0	0
C29-C36	mg/L	Quarterly	2	0	6.673333	0	60
C10-C36 calculated	mg/L	Quarterly	2	0	6.7	0.06	60
Xylene	mg/L	Quarterly	0	0	0	0	0
Zinc	mg/L	Quarterly	4	0.006	0.0696	0.0465	0.291

LD01

Analyte	Units	Frequency of Monitoring Req'd	# of times measured	Mar-21	Jul-22
Alkalinity (CaCO3)	mg/L	Annual	1	604	399
Aluminium	mg/L	Annual	1	0	0.11
Arsenic	mg/L	Annual	0	0	<0.001
Barium	mg/L	Annual	1	0.273	0.11
Benzene	mg/L	Annual	0	0	<1
Bicarbonate	mg/L	Annual	1	604	399
Cadmium	mg/L	Annual	0	0	<0.0001
Calcium	mg/L	Annual	1	124	87
Carbonate	mg/L	Annual	0	0	<1
Hexavalent Chromium	mg/L	Annual	0	0	<0.01
Total Chromium	mg/L	Annual	0	0	<0.001
Cobalt	mg/L	Annual	1	0	0.001
Conductivity (EC)	uS/cm	Annual	1	2320	1380
Copper	mg/L	Annual	1	0	0.001
Ethyl- Benzene	mg/L	Annual	0	0	<2
Fluoride	mg/L	Annual	0	0	<0.1
Lead	mg/L	Annual	0	0	<0.001
Magnesium	mg/L	Annual	1	49	24
Manganese	mg/L	Annual	1	0.112	0.087
Mercury	mg/L	Annual	0	0	<0.0001
Nitrate	mg/L	Annual	1	0.01	1.25
Nitrite	mg/L	Annual	1	0.08	0.15
Ammonia as N	mg/L	Annual	1	15.8	22.9
pH	pH units	Annual	1	7.7	7.89
Phosphate	mg/L	Annual	0	0	-
Phosphorus (Total P)	mg/L	Annual	1	0.02	0.06
Potassium	mg/L	Annual	1	94	44
Sodium	mg/L	Annual	1	232	96
Sulphate	mg/L	Annual	1	2	18
Toluene	mg/L	Annual	0	0	<2
Total Dissolved Solids	mg/L	Annual	1	1240	798
Total Organic Carbon	mg/L	Annual	1	38	24
C10-C14	mg/L	Annual	0	0	<50
C15-C28	mg/L	Annual	0	0	<100
C29-C36	mg/L	Annual	0	0	<50
C10-C36 calculated	mg/L	Annual	0	0	<50
C6-C9	mg/L	Annual	0	0	<20
Total Suspended Solids	mg/L	Annual	1	0	5
Xylene	mg/L	Annual	0	0	<2
Zinc	mg/L	Annual	1	0	0.009
Hardness (calculated)	mg/L	Annual	1	544.5	399

Notes:

Prior to 2022 zero values indicate results less than the LOR
Phosphate missed in 2022 annual sampling round