



**UPPER LACHLAN SHIRE COUNCIL  
CROOKWELL LANDFILL  
EPA LICENCE NO. 6054**

**POINT 2 - STORMWATER RUN-OFF POINT**

SAMPLES TAKEN	DATE		pH	Electrical Conductivity @ 25°C µS/cm	Suspended Solids (SS) mg/L	Bicarbonate Alkalinity as CaCO3 mg/L	Carbonate Alkalinity as CaCO3 mg/L	Hydroxide Alkalinity as CaCO3 mg/L	Total Alkalinity as CaCO3 mg/L	Chromium Dissolved mg/L	Iron Dissolved mg/L	Zinc Dissolved mg/L	Iron Total mg/L	Zinc Total mg/L	Cobalt Dissolved mg/L	Copper Dissolved mg/L	Manganese Dissolved mg/L	Cobalt Total mg/L	Copper Total mg/L	Manganese Total mg/L	Ammonia as N mg/L	Nitrite as N mg/L	Nitrate as N mg/L	Nitrite + Nitrate as N mg/L	Total Phosphorus as P mg/L	Biochemical Oxygen Demand mg/L
	SAMPLES RECEIVED	RESULTS ISSUED																								
12/12/2023	DRY																									
17/04/2024	DRY																									
18/06/2024	19/06/2024	26/06/2024	6.5	97	<2	13.0	<0.1	<0.1	13	<0.002	0.43	<0.005	0.42	<0.005	<0.0002	<0.001	0.0055	<0.0002	<0.0001	0.0058	<0.1	<0.01	0.570	0.57	0.02	<2
10/09/2024	11/09/2024	19/09/2024	6.93	50	Not enough sample	13.6	<0.1	<0.1	14	<0.002	0.29	<0.005	0.4	0.009	<0.0002	<0.001	0.0039	<0.0002	<0.0001	0.026	<0.1	<0.01	<0.05	<0.05	0.06	<2

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**POINT 3 - SEDIMENTATION DAM**

SAMPLES TAKEN	DATE		pH	Electrical Conductivity @ 25°C µS/cm	Suspended Solids (SS) mg/L	Bicarbonate Alkalinity as CaCO3 mg/L	Carbonate Alkalinity as CaCO3 mg/L	Hydroxide Alkalinity as CaCO3 mg/L	Total Alkalinity as CaCO3 mg/L	Chromium Dissolved mg/L	Iron Dissolved mg/L	Zinc Dissolved mg/L	Iron Total mg/L	Zinc Total mg/L	Cobalt Dissolved mg/L	Copper Dissolved mg/L	Manganese Dissolved mg/L	Cobalt Total mg/L	Copper Total mg/L	Manganese Total mg/L	Ammonia as N mg/L	Nitrite as N mg/L	Nitrate as N mg/L	Nitrite + Nitrate as N mg/L	Total Phosphorus as P mg/L	Biochemical Oxygen Demand mg/L
	SAMPLES RECEIVED	RESULTS ISSUED																								
12/12/2023	13/12/2023	29/12/2023	7.47	540	9	206.9	<0.1	<0.1	206	<0.002	0.22	<0.005	1.03	0.006	0.0013	<0.001	3.34	0.0014	<0.001	3.33	<0.1	<0.01	<0.05	<0.05	0.05	2
17/04/2024	18/04/2024	30/04/2024	7.81	556	12	198.0	<0.1	<0.1	198	<1	0.1	<5	1.24	<0.0005	<0.001	2.67	0.0005	<0.001	2.68	<0.1	<0.01	0.1	0.09	0.04	<2	
18/06/2024	19/06/2024	26/06/2024	6.95	768	<2	160.0	<0.1	<0.1	160	<0.002	0.33	<0.005	1.29	<0.0005	<0.001	0.284	0.0007	<0.001	0.299	0.1	0.01	0.1	0.16	0.02	<2	
10/09/2024	11/09/2024	19/09/2024	7.57	519	9	218	<0.1	<0.1	218	<0.002	0.08	<0.005	0.48	<0.005	<0.0002	<0.001	0.0328	0.0004	<0.001	0.152	<0.1	<0.01	0.12	0.12	0.06	<2



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POINT 5 - GROUNDWATER BORE MW2

DATE			pH	Electrical Conductivity @ 25°C µS/cm	Bicarbonate Alkalinity as CaCO3 mg/L	Carbonate Alkalinity as CaCO3 mg/L	Hydroxide Alkalinity as CaCO3 mg/L	Total Alkalinity as CaCO3 mg/L	Chromium Dissolved mg/L	Iron Dissolved mg/L	Zinc Dissolved mg/L	Iron Total mg/L	Zinc Total mg/L	Cobalt Dissolved mg/L	Copper Dissolved mg/L	Manganese Dissolved mg/L	Cobalt Total mg/L	Copper Total mg/L	Manganese Total mg/L	Ammonia as N mg/L	Nitrite as N mg/L	Nitrate as N mg/L	Nitrite + Nitrate as N mg/L	Total Phosphorus as P mg/L
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED																						
12/12/2024	13/12/2024	29/12/2024	5.1	230	1.9	<0.1	<0.1	2	<0.002	0.01	0.092	0.17	0.11	0.0214	0.041	0.169	0.0197	0.04	0.16	<0.1	<0.01	4.8	4.83	0.04
17/04/2024	18/04/2024	30/04/2024	5.77	240	93.8	<0.1	<0.1	94	<1	0.02	0.076	0.15	0.163	0.0173	0.042	0.152	0.0183	0.047	0.155	<0.1	<0.01	6.5	6.49	0.02
18/06/2024	19/06/2024	26/06/2024	4.89	332	0.6	<0.1	<0.1	<1	<0.002	0.02	0.13	0.48	0.142	0.0183	0.017	0.168	0.0186	0.022	0.174	<0.1	<0.01	4.2	4.19	0.03
10/09/2024	11/09/2024	19/09/2024	5.27	223	7.1	<0.1	<0.1	7	<0.002	0.04	0.126	0.28	0.138	0.016	0.008	0.14	0.0185	0.011	0.151	<0.1	<0.01	3.71	3.71	0.99

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**POINT 7 - GROUNDWATER BORE MW4S (MW4)**

SAMPLES TAKEN	DATE		pH	Electrical Conductivity @ 25°C µS/cm	Bicarbonate Alkalinity as CaCO3 mg/L	Carbonate Alkalinity as CaCO3 mg/L	Hydroxide Alkalinity as CaCO3 mg/L	Total Alkalinity as CaCO3 mg/L	Chromium Dissolved mg/L	Iron Dissolved mg/L	Zinc Dissolved mg/L	Iron Total mg/L	Zinc Total mg/L	Cobalt Dissolved mg/L	Copper Dissolved mg/L	Manganese Dissolved mg/L	Cobalt Total mg/L	Copper Total mg/L	Manganese Total mg/L	Ammonia as N mg/L	Nitrite as N mg/L	Nitrate as N mg/L	Nitrite + Nitrate as N mg/L	Total Phosphorus as P mg/L
	SAMPLES RECEIVED	RESULTS ISSUED																						
12/12/2024	13/12/2024	29/12/2024	4.68	387	<0.1	<0.1	<0.1	<1	<0.002	0.02	0.099	0.25	0.116	0.0599	0.039	0.884	0.0593	0.039	0.953	<0.1	0.01	13.9	13.9	0.24
17/04/2024	18/04/2024	30/04/2024	5.37	369	4.9	<0.1	<0.1	5	<1	0.01	0.108	0.23	0.109	0.0446	0.022	0.695	0.0485	0.027	0.716	<0.1	<0.01	11.2	11.2	<0.01
18/06/2024	19/06/2024	26/06/2024	4.55	324	<0.1	<0.1	<0.1	<1	<0.002	0.02	0.108	0.48	0.115	0.0438	0.016	0.677	0.0452	0.022	0.708	<0.1	<0.01	12.3	12.3	0.02
10/09/2024	11/09/2024	19/09/2024	5.08	336	3.8	<0.1	<0.1	4	<0.002	0.02	0.15	0.4	0.16	0.044	0.017	0.769	0.049	0.025	0.754	0.1	<0.01	12.9	12.9	0.05

DATE			pH	Electrical Conductivity @ 25°C µS/cm	Bicarbonate Alkalinity as CaCO3 mg/L	Carbonate Alkalinity as CaCO3 mg/L	Hydroxide Alkalinity as CaCO3 mg/L	Total Alkalinity as CaCO3 mg/L
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED						
12/12/2024	13/12/2024	29/12/2024	6.76	881	191.0	<0.1	<0.1	191