

Water Discharge Monitoring - Point 1 (Location CW-2)

15 June 2020 - 14 June 2021

Known Pump Rates

Pump	Rate (ML/Hour)
E1 Pump	0.0648
E3 Pump	0.0432

Water Discharge

Start Date	Start Time	End Date	End Time	Pumping Hours	Discharge Source	Discharge Volume (ML)	Discharge Rate (ML per Day)
22/09/2020	9:30	12/10/2020	15:00	485.5	E1	31.46	1.56
2/01/2021	13:00	3/01/2021	6:00	17	E1	1.10	1.56
3/01/2021	6:00	4/01/2021	6:00	24	E1	1.56	1.56
4/01/2021	6:00	5/01/2021	6:00	24	E1	1.56	1.56
5/01/2021	6:00	6/01/2021	6:00	24	E1	1.56	1.56
6/01/2021	6:00	7/01/2021	6:00	24	E1	1.56	1.56
7/01/2021	6:00	8/01/2021	6:00	24	E1	1.56	1.56
8/01/2021	6:00	9/01/2021	6:00	24	E1	1.56	1.56
9/01/2021	6:00	10/01/2021	11:00	29	E1	1.88	1.56
20/01/2021	16:00	21/01/2021	6:00	14	E1	0.91	1.56
21/01/2021	6:00	22/01/2021	6:00	24	E1	1.56	1.56
23/01/2021	14:00	25/01/2021	10:30	44.5	E1	2.88	1.56
25/01/2021	22:30	27/01/2021	6:00	31.5	E1	2.04	1.56
27/01/2021	6:00	28/01/2021	6:00	24	E1	1.56	1.56
28/01/2021	6:00	29/01/2021	6:00	24	E1	1.56	1.56
18/03/2021	15:00	19/03/2021	6:00	15	E1	0.97	1.56
19/03/2021	6:00	20/03/2021	6:00	24	E1	1.56	1.56
20/03/2021	6:00	20/03/2021	23:00	17	E1	1.10	1.56
22/03/2021	6:00	23/03/2021	6:00	24	E1	1.56	1.56
23/03/2021	6:00	24/03/2021	6:00	24	E1	1.56	1.56
24/03/2021	6:00	25/03/2021	6:00	24	E1	1.56	1.56
25/03/2021	6:00	26/03/2021	6:00	24	E1	1.56	1.56
27/03/2021	6:00	28/03/2021	6:00	24	E1	1.56	1.56
28/03/2021	6:00	29/03/2021	6:00	24	E1	1.56	1.56
29/03/2021	6:00	29/03/2021	10:00	4	E1	0.26	1.56
30/03/2021	6:00	31/03/2021	6:00	24	E1	1.56	1.56
31/03/2021	6:00	1/04/2021	6:00	24	E1	1.56	1.56
1/04/2021	6:00	2/04/2021	6:00	24	E1	1.56	1.56
2/04/2021	6:00	3/04/2021	6:00	24	E1	1.56	1.56
3/04/2021	6:00	4/04/2021	6:00	24	E1	1.56	1.56
4/04/2021	6:00	5/04/2021	6:00	24	E1	1.56	1.56
9/04/2021	6:00	10/04/2021	6:00	24	E1	1.56	1.56
10/04/2021	6:00	11/04/2021	6:00	24	E1	1.56	1.56
11/04/2021	6:00	12/04/2021	6:00	24	E1	1.56	1.56
6/05/2021	16:00	7/05/2021	6:00	14	E1	0.91	1.56

7/05/2021	6:00	7/05/2021	11:00	5	E1	0.32	1.56
11/05/2021	6:00	12/05/2021	6:00	24	E1	1.56	1.56
12/05/2021	6:00	13/05/2021	6:00	24	E1	1.56	1.56
13/05/2021	6:00	14/05/2021	6:00	24	E1	1.56	1.56
14/05/2021	6:00	15/05/2021	6:00	24	E1	1.56	1.56
18/05/2021	6:00	19/05/2021	6:00	24	E1	1.56	1.56
19/05/2021	6:00	20/05/2021	6:00	24	E1	1.56	1.56

	Pumping Hours		Discharge Volume	Discharge Rate
Total (AR Period)	1420.5		92.05	-
Maximum (Continuous Discharge Event)	485.5		31.46	1.56

KABLES SAND - CLARENCE - 167
SURFACE WATER ANALYSES - CW2
15 June 2020 - 14 June 2021

Analyte (units)	pH	E.C. ($\mu\text{S}/\text{cm}$)	TSS (mg/L)*	Oil and Grease (mg/L)*
EPL Criteria	5.00-8.00	N/A	30	5
Date Sampled				
08-Oct-20	6.1	34	<5	<5
21-Jan-21	5.7	40	5	<5
18-Mar-21	6.8	35	<5	<5
14-Apr-21	5.8	27	<5	<5
4-May-21	5.5	29	10	<5
25-May-21	5.1	36	<5	<5
Minimum	5.1	27	5	5
Maximum	6.8	40.0	10.0	5.0
Mean	5.8	33.5	5.8	5.0

* Where result is less than the limit of recording (ie. <5 etc.) the limit has been included in statistical analysis.



R.W. CORKERY & CO. PTY LIMITED