

**RIX'S CREEK MINE
SURFACE WATER MONITORING
Year ending March 2024 RESULTS**

License Number: 3391
Licensee: RIX'S CREEK PTY. LIMITED
PO BOX 4
EAST MAITLAND NSW 2323

Premises: RIX'S CREEK COLLIERY
RIX'S CREEK LANE
SINGLETON NSW 2330

Monitoring Frequency: Monthly
Sampling method: Grab sample
Limits: Nil

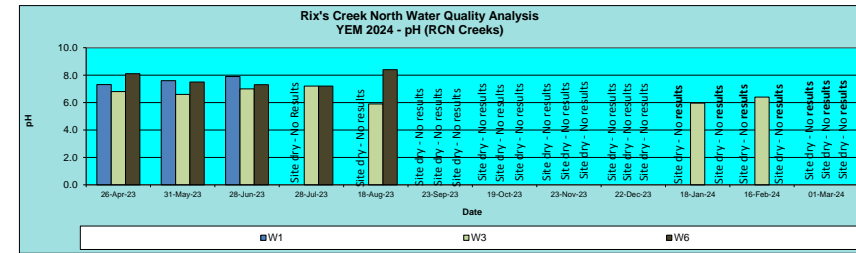
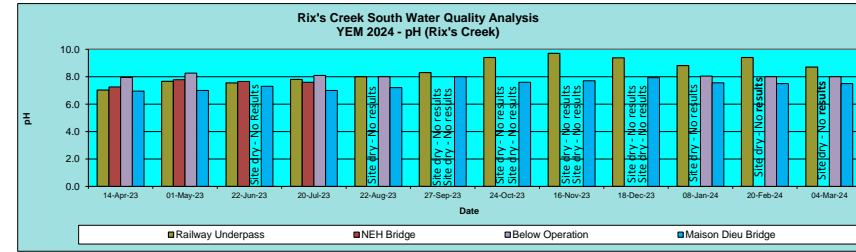
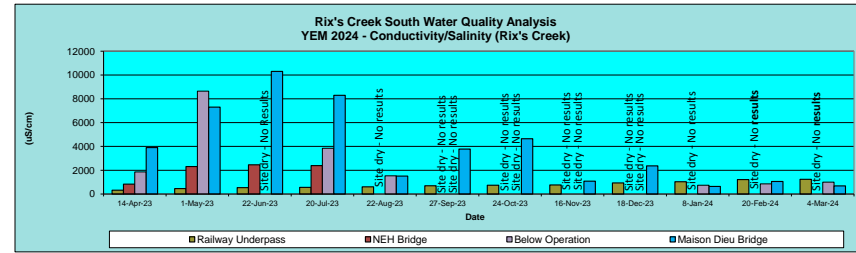
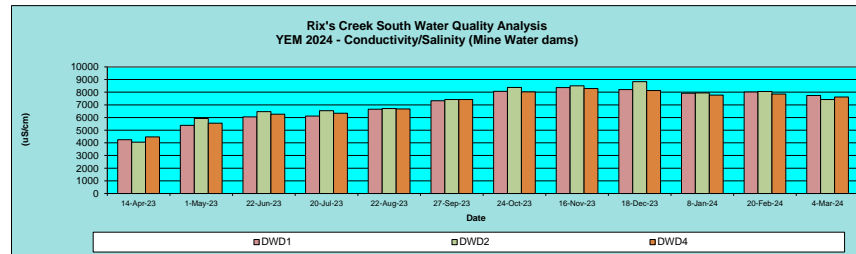
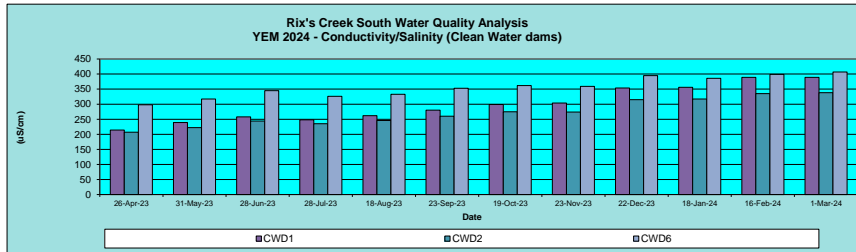
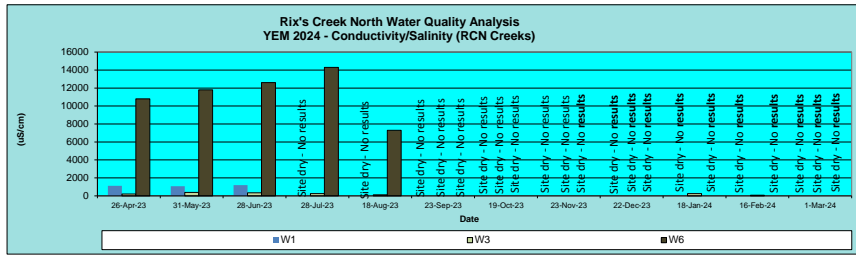


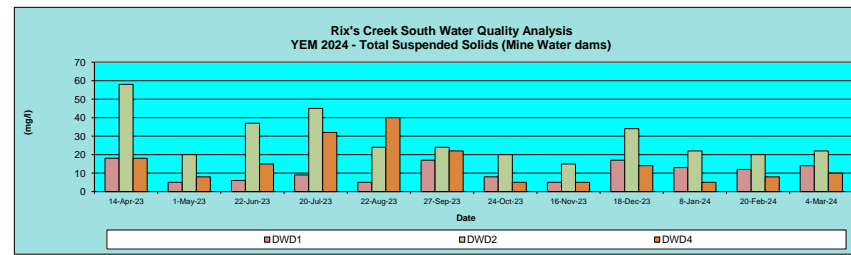
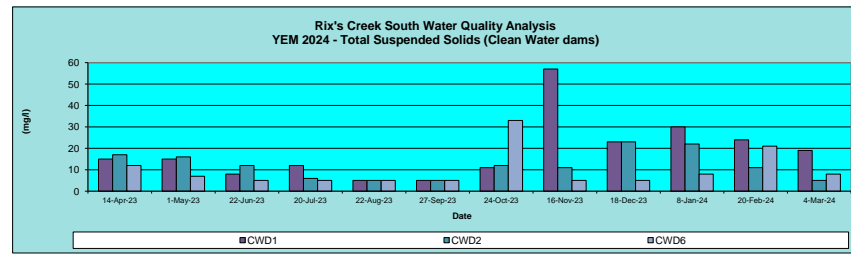
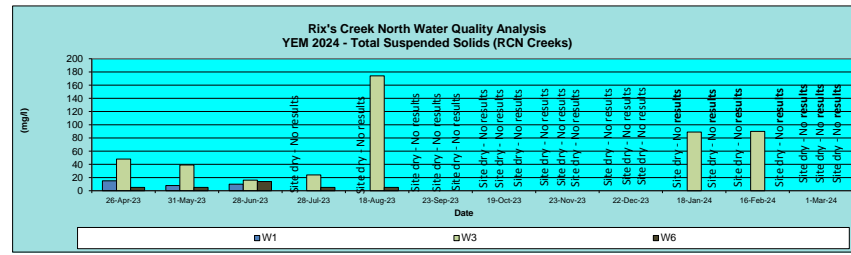
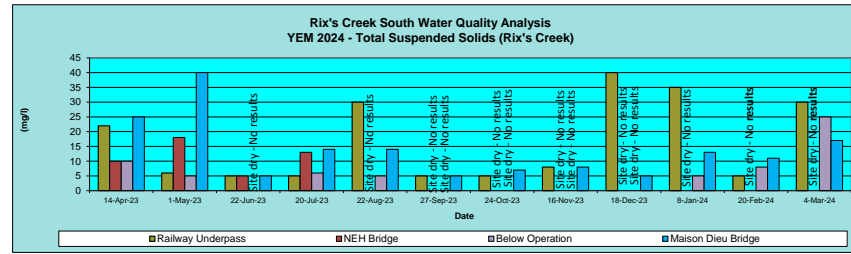
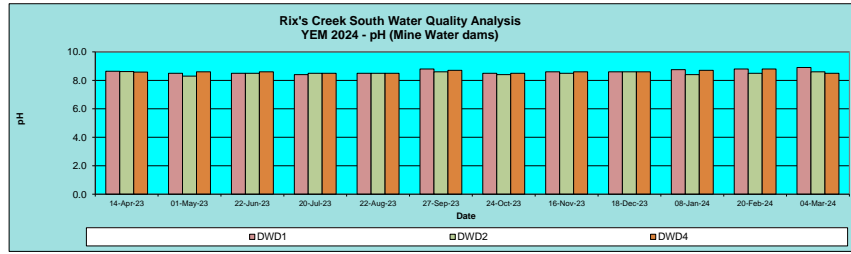
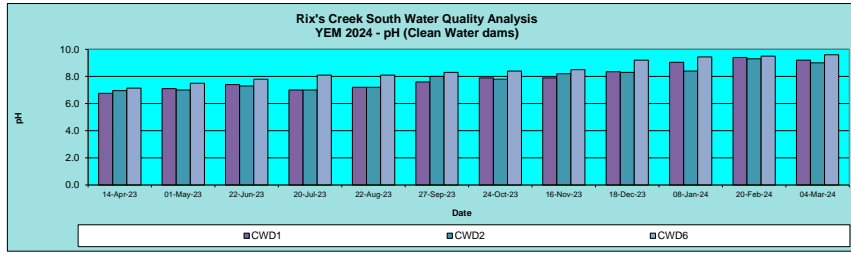
Sampling Point	Monitoring Location	Pollutant	Unit	Published:	10 May 2023	6 June 2023	7 July 2023	8 August 2023	1 September 2023	5 October 2023
				Sampled:	14 April 2023	1 May 2023	22 June 2023	20 July 2023	22 August 2023	27 September 2023
				Obtained:	17 April 2023	25 May 2023	28 June 2023	26 July 2023	29 August 2023	5 October 2023
				April Measurement	May Measurement	June Measurement	July Measurement	August Measurement	September Measurement	
1	Railway Underpass	pH	pH	7.0	7.7	7.6	7.8	8.0	8.3	
		Total suspended solids	mg/l	22	6	5	5	30	5	
		Total dissolved solids	mg/l	247	263	248	297	344	398	
		Conductivity	uS/cm	329	457	533	559	611	701	
2	NEH Bridge	pH	pH	7.3	7.8	7.7	7.6	7.6	7.6	
		Total suspended solids	mg/l	10	18	5	13	Site Dry - No Result	Site Dry - No Result	
		Total dissolved solids	mg/l	476	1280	1230	1300	Site Dry - No Result	Site Dry - No Result	
		Conductivity	uS/cm	830	2310	2460	2390	Site Dry - No Result	Site Dry - No Result	
10	Below Operation	pH	pH	8.0	8.3	8.1	8.1	8.0	8.0	
		Total suspended solids	mg/l	10	5	6	6	5	5	
		Total dissolved solids	mg/l	1000	5490	Site Dry - No Result	2210	784	784	
		Conductivity	uS/cm	1860	8640	Site Dry - No Result	3850	1530	1530	
3	Maison Dieu Bridge	pH	pH	7.2	7.1	7.5	7.5	7.5	7.6	
		Total suspended solids	mg/l	25	40	5	14	14	5	
		Total dissolved solids	mg/l	2130	4430	5850	5060	800	2120	
		Conductivity	uS/cm	3900	7300	10300	8300	1510	3780	
4	CWD1	pH	pH	6.8	7.1	7.4	7.0	7.2	7.6	
		Total suspended solids	mg/l	15	15	8	12	5	5	
		Total dissolved solids	mg/l	212	165	172	174	176	195	
		Conductivity	uS/cm	214	239	258	248	262	280	
5	CWD2	pH	pH	7.0	7.0	7.3	7.0	7.2	8.0	
		Total suspended solids	mg/l	17	16	12	6	5	5	
		Total dissolved solids	mg/l	174	157	142	153	172	176	
		Conductivity	uS/cm	207	222	244	235	246	260	
7	CWD6	pH	pH	7.1	7.5	7.8	8.1	8.1	8.3	
		Total suspended solids	mg/l	12	7	5	5	5	5	
		Total dissolved solids	mg/l	219	194	166	191	186	195	
		Conductivity	uS/cm	298	317	345	326	333	353	
8	DWD1	pH	pH	8.6	8.5	8.5	8.4	8.5	8.8	
		Total suspended solids	mg/l	18	5	6	9	5	17	
		Total dissolved solids	mg/l	2510	3230	3290	3920	4200	4410	
		Conductivity	uS/cm	4250	5380	6050	6120	6660	7330	
9	DWD2	pH	pH	8.6	8.3	8.5	8.5	8.5	8.6	
		Total suspended solids	mg/l	58	20	37	45	24	24	
		Total dissolved solids	mg/l	2540	3660	3890	4240	4280	4610	
		Conductivity	uS/cm	4060	5920	6470	6540	6710	7420	
6	DWD4	pH	pH	8.6	8.6	8.6	8.5	8.5	8.7	
		Total suspended solids	mg/l	18	8	15	32	40	22	
		Total dissolved solids	mg/l	2840	3390	3640	4040	4220	4600	
		Conductivity	uS/cm	4470	5550	6260	6340	6680	7420	

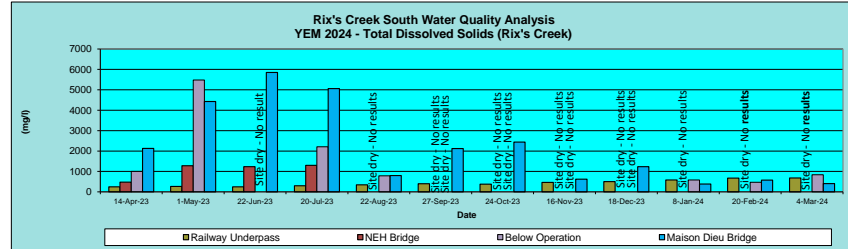
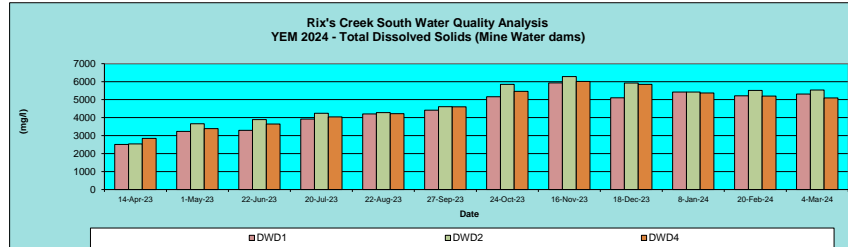
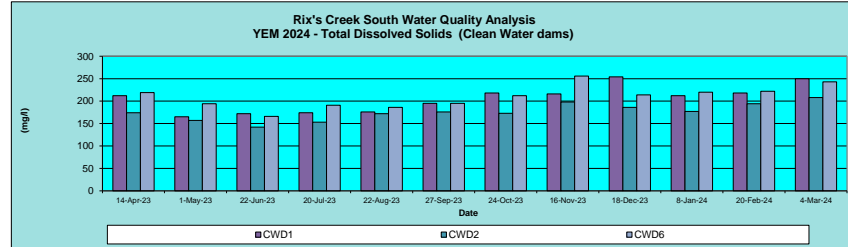
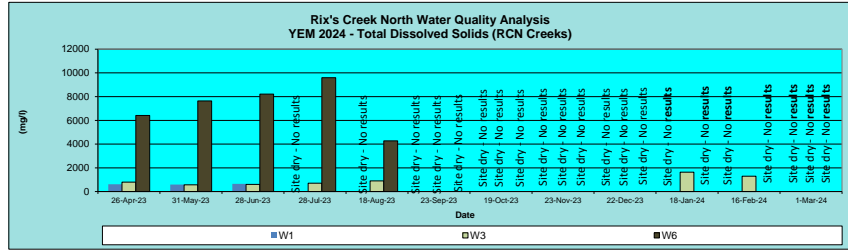
Sampling Point	Monitoring Location	Pollutant	Unit	Published:	10 May 2023	6 June 2023	7 July 2023	8 August 2023	1 September 2023	5 October 2023
				Sampled:	26 April 2023	31 May 2023	28 June 2023	28 July 2023	18 August 2023	23 September 2023
				Obtained:	5 May 2023	6 June 2023	6 July 2023	8 August 2023	25 August 2023	28 September 2023
				April Measurement	May Measurement	June Measurement	July Measurement	August Measurement	September Measurement	
11	W1	pH	pH	7.3	7.6	7.9	7.9	7.9	7.9	7.9
		Total suspended solids	mg/l	15	8	10	10	10	10	10
		Total dissolved solids	mg/l	612	590	642	642	642	642	642
		Conductivity	uS/cm	1120	1070	1200	1200	1200	1200	1200
12	W3	pH	pH	8.8	8.6	8.6	8.6	8.6	8.6	8.6
		Total suspended solids	mg/l	48	39	16	24	24	24	24
		Total dissolved solids	mg/l	791	570	599	703	703	703	703
		Conductivity	uS/cm	202	383	343	343	253	253	253
13	W6	pH	pH	8.1	7.5	7.3	7.2	7.2	7.2	7.2
		Total suspended solids	mg/l	5	5	14	5	5	5	5
		Total dissolved solids	mg/l	6410	7640	8210	9600	4270	4270	4270
		Conductivity	uS/cm	10800	11800	12800	14300	14300	14300	14300

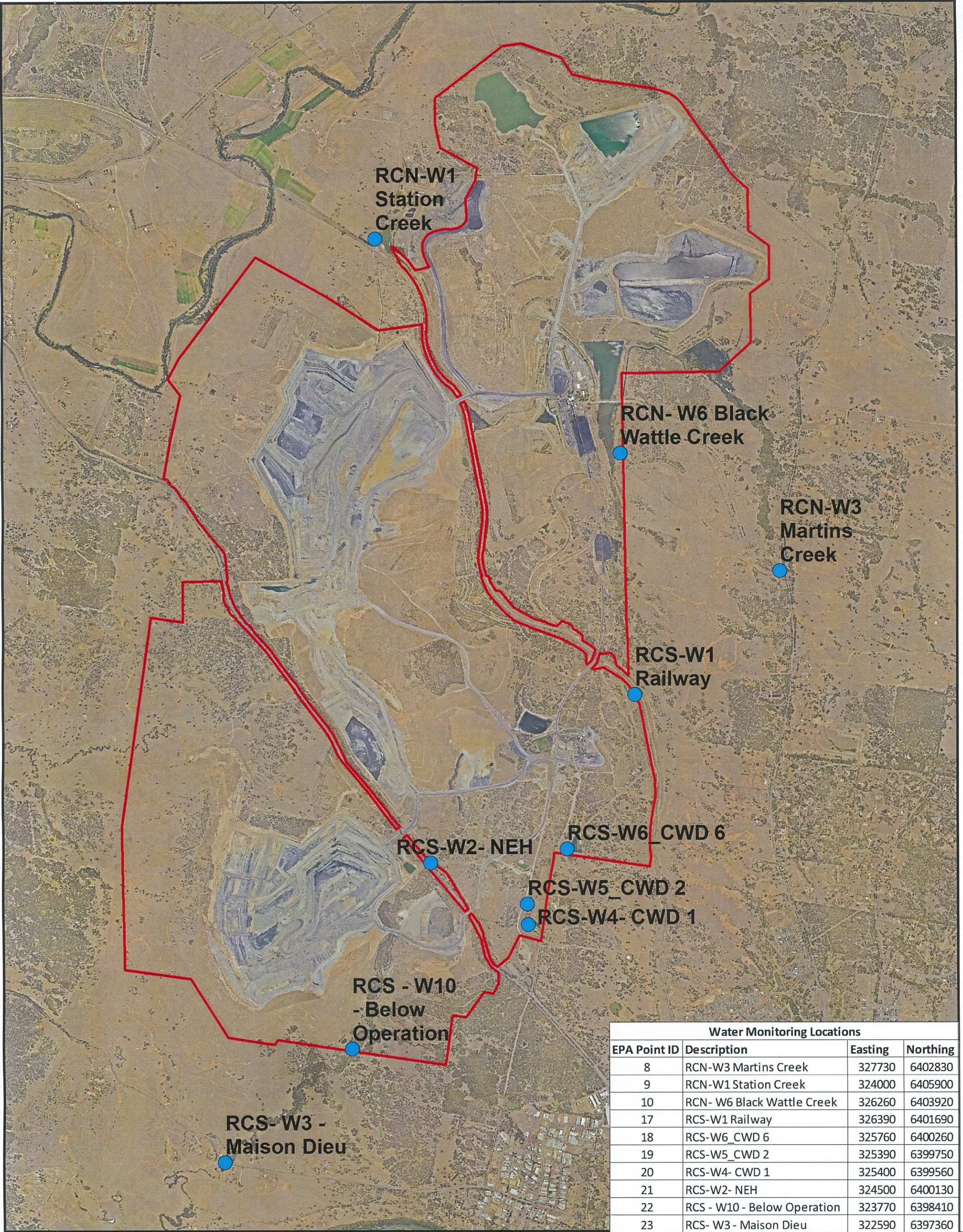
Sampling Point	Monitoring Location	Pollutant	Unit	Published:	2 November 2023	14 December 2023	4 January 2024	1 February 2024	1 March 2024	8 April 2024
				Sampled:	24 October 2023	16 November 2023	18 December 2023	8 January 2024	20 February 2024	4 March 2024
				Obtained:	31 October 2023	29 November 2023	28 December 2023	18 January 2024	28 February 2024	12 March 2024
				October Measurement	November Measurement	December Measurement	January Measurement	February Measurement	March Measurement	
1	Railway Underpass	pH	pH	9.4	9.7	9.4	8.8	9.4	8.7	
		Total suspended solids	mg/l	5	8	40	35	5	30	
		Total dissolved solids	mg/l	374	461	502	583	672	678	
		Conductivity	uS/cm	741	764	934	1040	1210	1240	
2	NEH Bridge	pH	pH	Site Dry - No Result	Site Dry - No Result	Site Dry - No Result	Site Dry - No Result	Site Dry - No Result	Site Dry - No Result	
		Total suspended solids	mg/l							
		Total dissolved solids	mg/l							
		Conductivity	uS/cm							
10	Below Operation	pH	pH	Site Dry - No Result	Site Dry - No Result	Site Dry - No Result	8.1	8.0	8.0	
		Total suspended solids	mg/l				5	8	25	
		Total dissolved solids	mg/l				583	468	835	
		Conductivity	uS/cm				743	849	996	
3	Maison Dieu Bridge	pH	pH	7.6	7.7	7.9	7.6	7.5	7.5	
		Total suspended solids	mg/l	7	8	5	13	11	17	
		Total dissolved solids	mg/l	2440	618	1230	396	573	400	
		Conductivity	uS/cm	4650	1090	2370	639	1060	684	
4	CWD1	pH	pH	7.9	7.9	8.4	9.0	9.4	9.2	
		Total suspended solids	mg/l	11	57	23	30	24	19	
		Total dissolved solids	mg/l	218	216	254	212	218	250	
		Conductivity	uS/cm	299	304	354	356	389	389	
5	CWD2	pH	pH	7.8	8.2	8.3	8.4	9.3	9.0	
		Total suspended solids	mg/l	12	11	23	22	11	5	
		Total dissolved solids	mg/l	173	198	186	177	194	208	
		Conductivity	uS/cm	275	274	315	317	335	338	
7	CWD6	pH	pH	8.4	8.5	9.2	9.4	9.5	9.6	
		Total suspended solids	mg/l	33	5	5	8	21	8	
		Total dissolved solids	mg/l	212	256	214	220	222	243	
		Conductivity	uS/cm	362	359	395	386	399	407	
8	DWD1	pH	pH	8.5	8.6	8.6	8.8	8.8	8.9	
		Total suspended solids	mg/l	8	5	17	13	12	14	
		Total dissolved solids	mg/l	5160	5930	5100	5420	5210	5310	
		Conductivity	uS/cm	8070	8370	8210	7920	8020	7740	
9	DWD2	pH	pH	8.4	8.5	8.6	8.4	8.5	8.6	
		Total suspended solids	mg/l	20	15	34	22	20	22	
		Total dissolved solids	mg/l	5850	6280	5920	5420	5510	5530	
		Conductivity	uS/cm	8390	8500	8330	7940	8060	7420	
6	DWD4	pH	pH	8.5	8.6	8.6	8.7	8.8	8.5	
		Total suspended solids	mg/l	5	5	14	5	8	10	
		Total dissolved solids	mg/l	5460	6010	5850	5370	5200	5090	
		Conductivity	uS/cm	8030	8290	8130	7770	7860	7620	

Sampling Point	Monitoring Location	Pollutant	Unit	Published:	2 November 2023	14 December 2023	4 January 2024	1 February 2024	1 March 2024	8 April 2024
				Sampled:	19 October 2023	23 November 2023	22 December 2023	18 January 2024	16 February 2024	1 March 2024
				Obtained:	25 October 2023	13 December 2023	3 January 2024	29 January 2024	20 February 2024	12 March 2024
				October Measurement	November Measurement	December Measurement	January Measurement	February Measurement	March Measurement	
11	W1	pH	pH	Site Dry - No Result	Site Dry - No Result	Site Dry - No Result	Site Dry - No Result	Site Dry - No Result	Site Dry - No Result	
		Total suspended solids	mg/l							
		Total dissolved solids	mg/l							
		Conductivity	uS/cm							
12	W3	pH	pH	Site Dry - No Result	Site Dry - No Result	Site Dry - No Result	6.0	6.4	Site Dry - No Result	
		Total suspended solids	mg/l				89	90		
		Total dissolved solids	mg/l				1630	1290		
		Conductivity	uS/cm				251	80		
13	W6	pH	pH	Site Dry - No Result	Site Dry - No Result	Site Dry - No Result	Site Dry - No Result	Site Dry - No Result	Site Dry - No Result	
		Total suspended solids	mg/l							
		Total dissolved solids	mg/l							
		Conductivity	uS/cm							









Water Monitoring Locations			
EPA Point ID	Description	Easting	Northing
8	RCN-W3 Martins Creek	327730	6402830
9	RCN-W1 Station Creek	324000	6405900
10	RCN- W6 Black Wattle Creek	326260	6403920
17	RCS-W1 Railway	326390	6401690
18	RCS-W6_CWD 6	325760	6400260
19	RCS-W5_CWD 2	325390	6399750
20	RCS-W4- CWD 1	325400	6399560
21	RCS-W2- NEH	324500	6400130
22	RCS - W10 - Below Operation	323770	6398410
23	RCS- W3 - Maison Dieu	322590	6397360



Legend

- EPL_Water_pointsb.csv Events
- EPL PREMISES BOUNDARY

T. R. Gentle 13/8/2020
 Timothy R Gentle
 Surveyor Registered under the
 Surveying and Spatial Information Act, 2002

EPL 3391
Surface Water
Monitoring Sites

THE Bloomfield GROUP
 WE CARE. WE DELIVER.
 Author: TRG
 Scale: 1:30,000
 Date: 13/08/2020
 File: EPL Water monit 2008