

WATER DISCHARGE RESULTS 2021

EPL No. 396
 Licencee: Bloomfield Collieries Pty Ltd
 Premises: Bloomfield Colliery
 Four Mile Creek Rd
 Astonfield NSW 2323

Monitoring Frequency:

Daily during discharge



DISCHARGE RECORD 2021

			DISCHARGE (EPL POINT 1)						FOUR MILE CREEK (EPL POINT 2)				
DISCHARGE	DATE	RAINFALL (mm)	pH	TOTAL SUSPENDED SOLIDS (mg/l)	TOTAL DISSOLVED SOLIDS (mg/l)	SPECIFIC CONDUCT-ANCE (uS/cm)	IRON (mg/l)	DISCHARGE VOLUME (ML/day)	pH	TOTAL SUSPENDED SOLIDS (mg/l)	TOTAL DISSOLVED SOLIDS (mg/l)	SPECIFIC CONDUCT-ANCE (uS/cm)	FLOW FROM LOGGER (ML/day)
1	05-Jan-21	18.0	7.9	7	4,800	5,610	<0.01	30	7.7	12	2,000	2,820	63
2	06-Jan-21	0.2	8.0	6	4,170	4,960	<0.01	20	7.7	13	2,060	2,940	50
3	15-Jan-21	24.4	8.1	6	4,880	5,780	<0.01	20	7.5	24	620	1,040	28
4	16-Jan-21	1.6	8.2	6	4,820	5,580	<0.01	20	8.1	4	3,770	4,610	43
5	17-Jan-21	0.0	8.3	2	3,980	4,970	<0.01	20	8.1	2	4,020	4,880	32
6	29-Jan-21	21.4	7.9	8	5,010	5,620	<0.01	40	7.5	3	1,500	2,120	56
7	30-Jan-21	5.6	8.0	5	4,970	5,680	<0.01	25	7.9	3	4,410	5,190	53
8	31-Jan-21	5.4	8.2	2	4,230	5,120	<0.01	5	7.9	4	4,210	4,730	14
9	02-Feb-21	11.6	8.0	4	4,820	5,570	0.01	10	7.7	8	3,800	4,520	13
10	17-Feb-21	16.0	8.3	4	4,830	5,580	<0.01	30	7.4	10	468	734	39
11	18-Feb-21	0.4	8.2	10	5,150	5,730	<0.01	20	7.9	4	5,020	5,560	36
12	19-Feb-21	19.6	8.1	10	5,030	5,730	<0.01	10	7.9	26	3,300	3,860	12
13	14-Mar-21	33.8	8.0	5	5,230	5,740	0.01	40	7.8	6	4,840	5,290	47
14	15-Mar-21	0.0	8.0	4	5,140	5,690	<0.01	30	7.8	6	5,150	5,510	40
15	16-Mar-21	0.0	8.0	3	5,040	5,520	<0.01	25	8.0	3	5,140	5,480	42
16	17-Mar-21	15.8	8.1	4	4,610	5,350	<0.01	20	8.1	2	3,910	4,590	159
17	18-Mar-21	38.6	8.1	5	4,600	5,360	<0.01	10	8.1	4	3,910	4,600	286
18	19-Mar-21	47.6	8.1	4	4,190	5,020	<0.01	10	6.7	101	390	527	444
19	20-Mar-21	75.8	7.5	5	5,490	5,640	<0.01	10	6.8	35	404	523	358
20	21-Mar-21	23.2	7.5	78	1,070	1,410	0.07	40	6.7	24	403	525	332
21	22-Mar-21	43.8	7.5	74	993	1,370	0.07	40	6.8	19	391	525	286
22	23-Mar-21	24.6	7.4	36	468	688	0.45	10	6.5	24	432	546	147
23	24-Mar-21	6.2	7.6	26	1,840	2,290	0.03	40	6.6	34	424	497	82
24	25-Mar-21	0.0	6.5	15	2,120	2,540	0.02	10	7.2	14	1,010	1,380	21
25	07-Apr-21	25.4	7.7	7	4,760	4,820	<0.01	40	7.2	12	1,120	1,470	46
26	08-Apr-21	1.6	7.6	7	4,700	4,960	<0.01	40	7.4	7	2,300	3,110	53
27	09-Apr-21	7.4	7.6	7	4,450	4,640	<0.01	30	7.4	10	2,050	2,420	49

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DISCHARGE	DATE	RAINFALL (mm)	pH	TOTAL SUSPENDED SOLIDS (mg/l)	TOTAL DISSOLVED SOLIDS (mg/l)	SPECIFIC CONDUCT-ANCE (uS/cm)	IRON (mg/l)	DISCHARGE VOLUME (ML/day)	pH	TOTAL SUSPENDED SOLIDS (mg/l)	TOTAL DISSOLVED SOLIDS (mg/l)	SPECIFIC CONDUCT-ANCE (uS/cm)	FLOW FROM LOGGER (ML/day)
28	18-Apr-21	11.6	7.9	9	5,080	5,640	<0.01	30	7.5	16	2,010	2,660	33
29	07-May-21	21.0	7.9	4	5,720	5,220	<0.01	40	7.6	6	2,180	2,840	45
30	08-May-21	0.8	8.1	5	5,490	5,150	<0.01	30	8.1	5	5,010	4,890	50
31	09-May-21	0.0	8.0	5	4,070	4,180	<0.01	30	8.0	5	4,760	4,760	43
32	4-Jun-21	18.4	8.0	5	6,050	5,280	<0.01	40	7.5	16	1,650	2,120	41
33	5-Jun-21	0.0	8.1	5	4,880	4,750	<0.01	35	7.9	5	5,310	4,820	41
34	9-Jun-21	10.0	8.1	6	5,980	5,400	<0.01	35	8.1	8	5,050	4,630	38
35	29-Jun-21	15.4	8.0	5	6,320	5,580	<0.01	40	7.7	7	2,540	2,750	38
36	30-Jun-21	2.0	8.0	5	6,200	5,760	<0.01	30	7.9	14	4,090	4,030	40
37	24-Aug-21	26.8	7.9	5	6,150	5,590	<0.01	40	7.7	48	1,890	2,410	59
38	25-Aug-21	25.4	8.1	5	6,130	5,600	<0.01	30	7.9	11	5,490	4,820	49
39	26-Aug-21	0.0	8.1	5	5,580	5,110	<0.01	30	8.1	8	4,680	4,350	43
40	27-Aug-21	0.0	8.2	5	3,680	3,890	<0.01	20	8.1	9	4,050	4,110	40
41	14-Sep-21	17.2	8.0	5	6,160	5,590	<0.01	40	7.9	23	2,790	3,090	48
42	15-Sep-21	0.0	8.0	5	6,440	5,960	<0.01	40	8.0	6	6,240	5,430	43
43	11-Oct-21	21.4	8.0	13	6,220	5,830	0.05	40	7.5	17	738	1,130	46
44	12-Oct-21	5.4	8.2	8	5,870	5,590	0.05	30	8.0	5	6,240	5,790	47
45	14-Oct-21	18.6	8.2	6	5,560	5,510	0.05	20	8.0	5	3,800	4,160	32
46	15-Oct-21	12.6	8.0	6	4,880	5,090	0.06	20	8.0	6	4,730	4,900	27
47	08-Nov-21	43.6	8.1	14	6,140	5,990	0.01	40	7.3	14	418	649	48
48	09-Nov-21	1.0	8.1	5	5,550	5,870	0.01	40	7.9	5	5,600	5,560	56
49	10-Nov-21	1.4	8.1	8	5,450	5,760	0.01	20	8.0	6	5,400	5,520	67
50	11-Nov-21	24.8	8.1	10	4,710	5,110	0.01	20	7.9	10	3,420	3,830	240
51	12-Nov-21	65.6	8.1	22	4,110	4,470	0.01	20	7.0	130	622	810	106
52	13-Nov-21	0.2	7.6	6	5,590	5,320	0.03	20	7.5	24	1,360	1,660	54
53	14-Nov-21	0.0	7.7	11	5,830	5,540	0.04	20	7.8	5	3,380	3,710	37
54	21-Nov-21	50.2	7.9	6	5,570	5,450	0.01	40	7.5	9	3,410	3,770	129
55	22-Nov-21	0.0	7.9	5	5,590	5,600	0.01	40	7.1	19	1,970	2,270	101

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56	23-Nov-21	10.8	7.9	5	4,420	4,600	0.05	40	7.6	12	2,430	2,630	71
57	26-Nov-21	22.2	7.9	5	5,190	5,200	0.01	20	7.6	26	2,510	2,790	176
58	27-Nov-21	17.2	8.1	5	4,340	4,450	0.01	20	7.5	32	2,250	2,570	104
59	28-Nov-21	2.8	8.1	6	4,000	4,460	0.01	20	7.7	5	2,360	2,660	68
60	03-Dec-21	18.0	8.1	5	4,660	5,170	0.01	40	7.8	6	2,710	3,130	67
61	04-Dec-21	0.6	8.0	5	4,160	4,540	0.01	20	7.8	8	3,330	3,750	42
62	28-Dec-21	19.0	8.0	5	5,410	5,650	<0.01	40	7.3	6	1,920	2,570	53
63	29-Dec-21	0.2	8.0	5	4,720	5,220	0.04	40	7.5	18	3,600	4,290	50
	Max		8.3	78	6440	5780	0.45	40	8.1	101	5310	5560	444
	Min		6.5	2	468	688	0.01	5	6.5	2	390	497	12
	Average		7.9	11	4714	4831	0.04	27	7.6	14	2768	3153	89
	EPL Limit		6.5-8.5	30	-	6,000	1	40	-	-	-	-	-