

**WATER DISCHARGE RESULTS 2017**

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

**Monitoring Frequency:** Daily during discharge



<b>DISCHARGE RECORD 2017</b>													
			<b>DISCHARGE (EPL POINT 1)</b>						<b>FOUR MILE CREEK (EPL POINT 2)</b>				
<b>DISCHARGE</b>	<b>DATE</b>	<b>RAINFALL (mm)</b>	<b>pH</b>	<b>TOTAL SUSPENDED SOLIDS (mg/l)</b>	<b>TOTAL DISSOLVED SOLIDS (mg/l)</b>	<b>SPECIFIC CONDUCTANCE (uS/cm)</b>	<b>IRON (mg/l)</b>	<b>DISCHARGE VOLUME (ML/day)</b>	<b>pH</b>	<b>TOTAL SUSPENDED SOLIDS (mg/l)</b>	<b>TOTAL DISSOLVED SOLIDS (mg/l)</b>	<b>SPECIFIC CONDUCTANCE (uS/cm)</b>	<b>FLOW FROM LOGGER (ML/day)</b>
1	02-Jan-17	27.2	8.2	33	5,110	4,710	<0.01	40	7.6	13	3,270	3,440	57
2	03-Jan-17	0.0	8.2	8	4,940	4,440	<0.01	20	7.7	9	3,290	3,330	40
3	04-Jan-17	0.0	8.1	7	5,000	4,440	<0.01	10	7.9	104	4,800	4,390	16
4	21-Jan-17	12.0	8.1	9	5,260	4,600	<0.01	20	8.0	12	5,470	4,720	24
5	25-Jan-17	19.6	8.0	19	4,820	4,930	<0.01	30	7.9	35	4,980	4,650	38
6	26-Jan-17	0.4	8.0	19	4,430	4,630	<0.01	10	8.1	42	3,710	4,280	21
7	18-Feb-19	11.2	8.0	4	5,180	4,730	0.01	20	7.8	8	5,060	4,750	32
8	26-Feb-17	15.2	8.3	3	5,350	4,790	<0.01	20	7.9	4	5,260	4,900	33
9	27-Feb-17	0.0	8.2	2	5,500	5,060	<0.01	10	7.9	4	5,190	4,870	19
10	28-Feb-17	12.4	8.1	10	5,510	5,160	<0.01	10	7.9	14	3,940	4,020	18
11	01-Mar-17	21.8	8.0	17	4,680	4,660	<0.01	10	7.8	9	3,290	3,430	17
12	06-Mar-17	28.0	7.9	7	4,740	4,920	<0.01	30	7.4	23	1,110	1,490	38
13	07-Mar-17	0.0	8.2	10	3,790	4,300	<0.01	10	8.1	8	3,390	3,910	19
14	17-Mar-17	10.4	7.9	5	5,000	4,980	<0.01	40	7.7	7	1,340	1,800	133
15	18-Mar-17	43.4	8.0	4	4,990	4,960	<0.01	40	7.8	11	1,870	2,360	111
16	19-Mar-17	15.2	8.2	14	3,300	3,720	<0.01	30	7.9	8	2,050	2,540	53
17	20-Mar-17	0.0	8.2	9	3,140	3,520	<0.01	10	7.9	10	2,000	2,530	25
18	24-Mar-17	10.2	8.2	7	3,730	4,410	<0.01	20	7.8	6	1,690	2,260	30
19	30-Mar-17	33.2	7.9	6	4,750	4,920	<0.01	40	7.8	23	2,760	3,170	88
20	31-Mar-17	2.2	8.2	12	3,520	4,190	<0.01	20	7.8	23	2,760	3,140	51
21	01-Apr-17	4.6	7.7	16	3,360	3,940	<0.01	10	7.9	20	3,540	3,740	26
22	05-Apr-17	40.8	7.5	13	4,090	4,130	0.02	5	7.1	23	388	575	83
23	06-Apr-17	0.0	8.0	19	3,890	4,820	0.01	25	7.2	23	647	910	56
24	20-May-17	10.2	7.7	1	5,360	5,330	0.02	40	7.6	12	1,420	1,790	52
25	07-Jun-17	19.6	7.4	5	4,460	4,330	<0.01	40	7.7	29	899	1,130	79
26	08-Jun-17	34.0	8.2	5	4,650	4,620	<0.01	40	8.2	23	3,550	3,810	123
27	09-Jun-17	18.4	8.2	2	4,610	4,710	<0.01	40	8.1	27	2,580	2,760	203
28	10-Jun-17	32.6	8.0	2	3,970	4,290	<0.01	20	7.9	28	2,520	2,890	70
29	11-Jun-17	0.6	8.2	7	4,860	4,540	<0.01	5	7.8	20	1,860	2,190	19
30	12-Jun-17	0.0	8.1	11	4,960	4,470	<0.01	5	7.7	8	2,930	2,940	13
31	14-Sep-17	11.8	8.1	1	4,650	5,420	0.01	40	7.7	47	1,180	1,780	54

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<b>DISCHARGE</b>	<b>DATE</b>	<b>RAINFALL (mm)</b>	<b>pH</b>	<b>TOTAL SUSPENDED SOLIDS (mg/l)</b>	<b>TOTAL DISSOLVED SOLIDS (mg/l)</b>	<b>SPECIFIC CONDUCTANCE (uS/cm)</b>	<b>IRON (mg/l)</b>	<b>DISCHARGE VOLUME (ML/day)</b>	<b>pH</b>	<b>TOTAL SUSPENDED SOLIDS (mg/l)</b>	<b>TOTAL DISSOLVED SOLIDS (mg/l)</b>	<b>SPECIFIC CONDUCTANCE (uS/cm)</b>	<b>FLOW FROM LOGGER (ML/day)</b>
32	15-Oct-17	13.0	8.4	3	4,900	5,500	<0.01	40	8.1	9	4,820	5,350	51
33	20-Oct-17	31.2	8.2	2	4,960	5,700	<0.01	40	8.0	81	4,380	5,130	51
34	21-Oct-17	0.0	8.0	3	4,890	5,600	<0.01	30	8.2	4	4,660	5,160	35
35	22-Oct-17	5.2	8.0	7	5,120	5,470	0.01	10	8.2	6	4,250	4,930	16
36	06-Nov-17	12.2	8.1	1	5,000	5,050	0.01	20	7.6	24	1,830	2,410	21
	Max		8.4	33	5,510	5,700	0.02	40	8.2	104	5,470	5,350	203
	Min		7.4	1	3,140	3,520	<0.01	5	7.1	4	388	575	13
	Average		8.0	8	4,624	4,722	<0.02	24	7.8	21	3,019	3,263	50
	<b>EPL Limit</b>		<b>6.5-8.5</b>	<b>30</b>	<b>-</b>	<b>6,000</b>	<b>1</b>	<b>40</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>