

**WAMBO COAL  
ENVIRONMENTAL REPORTING  
1 JANUARY – 31 MARCH 2017**

14 April 2017

Table 1 - WCPL Surface and Mine Water Dam Results

Site	Date	pH	EC ( $\mu\text{S}/\text{cm}$ )	TSS (mg/L)	Comments
SW01	05-Jan-17	7.49	776	3	
	24-Feb-17	7.90	854	5	
	06-Mar-17	7.40	814	8	
	31-Mar-17	7.19	505	5	
SW02	05-Jan-17	7.64	901	5	
	24-Feb-17				No flow
	06-Mar-17	7.44	943	7	
	31-Mar-17	7.39	767	5	
SW03	05-Jan-17	7.75	1100	2	
	24-Feb-17	8.07	2030	11	
	06-Mar-17	7.72	1890	9	
	31-Mar-17	7.12	468	30	
SW04	05-Jan-17				No flow
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17				No flow
SW05	5/1/2017				No flow
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17	7.23	410	272	
SW06	05-Jan-17				No flow
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17				No flow
SW07	05-Jan-17				No flow
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17				No flow
SW08	05-Jan-17				No flow
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17				No access
SW12	05-Jan-17				No flow
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17				No flow
SW14	05-Jan-17				No flow
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17				No flow

Site	Date	pH	EC (µS/cm)	TSS (mg/L)	Comments
SW15	05-Jan-17				No flow
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17				No flow
SW20	05-Jan-17				No flow
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17				No flow
SW27	05-Jan-17				No flow
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17	8.12	671	115	
SW30	05-Jan-17				No flow
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17				No flow
SW31	05-Jan-17				No flow
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17				No flow
SW32a	05-Jan-17				No flow
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17				No flow
SW38	05-Jan-17				No flow
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17				No flow
SW39	05-Jan-17				No flow
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17				No flow
SW40	05-Jan-17	7.62	780	4	
	24-Feb-17				No flow
	06-Mar-17				No flow
	31-Mar-17	7.15	567	5	

**Table 2 - WCPL Groundwater Results**

Site	Date	pH	EC ( $\mu\text{S}/\text{cm}$ )	Depth	Comments
P106	15-Feb-17				Dry
P109	15-Feb-17	7.60	680	5.37	
P114	15-Feb-17				Dry
P116	15-Feb-17	7.82	935	5.94	
P202	15-Feb-17	7.75	3640	8.39	
P206	15-Feb-17	7.95	2020	18.20	
P301	16-Feb-17	6.75	N/A	14.90	EC meter error
P315	16-Feb-17	7.31	465	7.97	
GW02	16-Feb-17	7.16	482	7.10	
GW08	15-Feb-17	7.83	1882	6.64	
GW09	15-Feb-17				Dry
GW11	16-Feb-17	7.29	481	5.45	
GW12	15-Feb-17	7.28	N/A	12.10	EC meter error
GW13	15-Feb-17	7.31	N/A	5.69	EC meter error
GW15	15-Feb-17	7.05	765	10.58	
GW16	16-Feb-17	7.51	1,138	8.86	
GW17	16-Feb-17	6.96	N/A	11.26	EC meter error
GW21	15-Feb-17				Dry
GW22	16-Feb-17	7.38	N/A	34.98	EC meter error
P1	01-Feb-17	7.07	7920	25.30	
P3	01-Feb-17				Removed
P11	01-Feb-17			31.14	Mud
P16	01-Feb-17	7.39	7720	8.10	
P20	01-Feb-17	7.39	10100	8.20	

Table 3 - WCPL HVAS

Site	Date	TSP (UG/m3)
HV01	06 Jan 2017	90
HV02	06 Jan 2017	30.30
HV03	06 Jan 2017	67.30
HV04	06 Jan 2017	64.20
HV01	12 Jan 2017	99.50
HV02	12 Jan 2017	80.80
HV03	12 Jan 2017	85.60
HV04	12 Jan 2017	84.70
HV03	13 Jan 2017	94.90
HV01	18 Jan 2017	96.20
HV02	18 Jan 2017	99.70
HV04	18 Jan 2017	44.20
HV01	24 Jan 2017	108
HV02	24 Jan 2017	58.40
HV03	24 Jan 2017	60.10
HV04	24 Jan 2017	55.80
HV01	30 Jan 2017	106
HV02	30 Jan 2017	77.40
HV03	30 Jan 2017	56
HV04	30 Jan 2017	3.60
HV04	31 Jan 2017	50.40
HV01	05 Feb 2017	131
HV02	05 Feb 2017	113
HV03	05 Feb 2017	56.60
HV04	05 Feb 2017	48.90
HV01	11 Feb 2017	140
HV02	11 Feb 2017	86.70
HV03	11 Feb 2017	114
HV04	11 Feb 2017	95.40
HV02	17 Feb 2017	76.40
HV01	23 Feb 2017	111
HV02	23 Feb 2017	95.40
HV03	23 Feb 2017	85.90
HV04	23 Feb 2017	134
HV01	24 Feb 2017	95.70
HV03	24 Feb 2017	91.30
HV04	24 Feb 2017	140
HV01	01 Mar 2017	48.90
HV02	01 Mar 2017	34.10
HV03	01 Mar 2017	31.90

Site	Date	TSP (UG/m3)
HV04	01 Mar 2017	64.90
HV01	07 Mar 2017	30.20
HV02	07 Mar 2017	26.50
HV03	07 Mar 2017	23.40
HV04	07 Mar 2017	74.80
HV01	13 Mar 2017	77.20
HV02	13 Mar 2017	77.60
HV04	13 Mar 2017	123
HV03	14 Mar 2017	60.40
HV01	19 Mar 2017	75.50
HV02	19 Mar 2017	49.70
HV03	19 Mar 2017	34.40
HV04	19 Mar 2017	70.40
HV01	25 Mar 2017	76.60
HV02	25 Mar 2017	63.40
HV03	25 Mar 2017	51.70
HV04	25 Mar 2017	86.20
HV02	31 Mar 2017	30.60
HV03	31 Mar 2017	33.10
HV04	31 Mar 2017	58.80

Table 4 - WCPL Depositional Dust Gauges

Site	Date	Ash (g/m <sup>2</sup> )	Total Insoluble Matter (g/m <sup>2</sup> )	AR/IS Ratio	Comment
D01	13 Jan 2017	2.50	7.40	33.78	
D03	13 Jan 2017	1.50	4.50	33.33	
D07	13 Jan 2017	2.90	5.10	56.86	
D09	13 Jan 2017	2.90	6.40	45.31	
D11	13 Jan 2017	1.20	1.80	66.67	
D12	13 Jan 2017	1.90	3	63.33	
D17	13 Jan 2017	0.90	2	45.00	
D19	13 Jan 2017	1.30	1.90	68.42	
D20	13 Jan 2017	1	1.60	62.50	
D21	13 Jan 2017	0.80	1.20	66.67	
D22	13 Jan 2017	1.10	1.50	73.33	
D23	13 Jan 2017	2.30	5.70	40.35	
D24	13 Jan 2017	0.80	1.90	42.11	
D25	13 Jan 2017	2.50	3.30	75.76	
D26	13 Jan 2017	1.40	2.50	56.00	
D01	14 Feb 2017	3	13.70	21.90	
D03	14 Feb 2017	3.50	4.60	76.09	
D07	14 Feb 2017	3	4.50	66.67	
D09	14 Feb 2017	1.80	2.40	75.00	
D11	14 Feb 2017	1.50	2.40	62.50	
D12	14 Feb 2017	2.70	3.80	71.05	
D17	14 Feb 2017	0.90	1.20	75.00	
D19	14 Feb 2017	2.80	4.40	63.64	
D20	14 Feb 2017	1	1.40	71.43	
D21	14 Feb 2017	1.80	2.30	78.26	
D22	14 Feb 2017	2.10	2.90	72.41	
D23	14 Feb 2017	1.60	2.80	57.14	
D24	14 Feb 2017	0.70	1.20	58.33	
D25	14 Feb 2017	2.10	2.80	75.00	
D26	14 Feb 2017	1.60	2.30	69.57	
D01	16 Mar 2017	2	8	25.00	
D03	16 Mar 2017	3.50	6.80	51.47	
D07	16 Mar 2017	21	23.30	90.13	
D09	16 Mar 2017	3.30	4.20	78.57	
D11	16 Mar 2017	1.80	2.40	75.00	
D12	16 Mar 2017	3.10	4.20	73.81	
D17	16 Mar 2017	1.60	2	80.00	
D19	16 Mar 2017	2.80	3.90	71.79	
D20	16 Mar 2017	1.60	2.20	72.73	
D21	16 Mar 2017	1.40	1.80	77.78	
D22	16 Mar 2017	2.40	3.30	72.73	

Site	Date	Ash (g/m <sup>2</sup> )	Total Insoluble Matter (g/m <sup>2</sup> )	AR/IS Ratio	Comment
D23	16 Mar 2017	28.60	38.90	73.52	
D24	16 Mar 2017	1.20	1.70	70.59	
D25	16 Mar 2017	3.20	4.10	78.05	
D26	16 Mar 2017	1.80	2.40	75.00	



Table 5 - WCPL PM10 Results

Date of Run	PM01 - Coralie (Sentinex 19)		PM02 - Wambo Road (Caban) (Sentinex 20)		PM03 - Thelander (Sentinex 21)		PM04 - Muller (Sentinex 22)	
	PM10 24 Hour Result (ug/m <sup>3</sup> )	YTD Average	PM10 24 Hour Result (ug/m <sup>3</sup> )	YTD Average	PM10 24 Hour Result (ug/m <sup>3</sup> )	YTD Average	PM10 24 Hour Result (ug/m <sup>3</sup> )	YTD Average
1/01/2017	23.00	19.56	19.60	14.76	20.70	16.55	22.00	16.53
2/01/2017	17.16	18.42	11.45	13.15	15.60	15.17	14.00	14.70
3/01/2017	18.40	19.05	14.20	14.00	15.70	14.95	15.70	15.05
4/01/2017	19.70	19.70	13.80	13.80	14.20	14.20	14.40	14.40
5/01/2017	18.60	19.15	11.20	12.50	12.80	13.50	14.50	14.45
6/01/2017	20.90	19.73	14.30	13.10	15.30	14.10	16.20	15.03
7/01/2017	20.70	19.98	12.70	13.00	11.40	13.43	12.40	14.38
8/01/2017	24.80	20.94	18.80	14.16	16.30	14.00	24.70	16.44
9/01/2017	28.30	22.17	27.20	16.33	20.70	15.12	31.20	18.90
10/01/2017	33.80	23.83	28.50	18.07	26.00	16.67	31.20	20.66
11/01/2017	29.90	24.59	32.40	19.86	25.10	17.73	41.90	23.31
12/01/2017	34.60	25.70	28.00	20.77	29.00	18.98	28.00	23.83
13/01/2017	37.80	26.91	38.80	22.57	22.40	19.32	26.50	24.10
14/01/2017	65.30	30.40	27.30	23.00	20.70	19.45	23.20	24.02
15/01/2017	36.30	30.89	29.70	23.56	30.80	20.39	24.20	24.03
16/01/2017	31.10	30.91	30.40	24.08	28.30	21.00	30.90	24.56
17/01/2017	28.90	30.76	25.50	24.19	19.40	20.89	22.70	24.43
18/01/2017	28.60	30.62	30.90	24.63	22.60	21.00	19.10	24.07
19/01/2017	27.50	30.43	22.30	24.49	23.30	21.14	25.00	24.13
20/01/2017	24.66	30.09	18.20	24.12	17.50	20.93	18.40	23.79
21/01/2017	28.50	30.00	23.30	24.07	24.10	21.11	20.40	23.61
22/01/2017	29.60	29.98	20.60	23.89	24.90	21.31	21.20	23.48
23/01/2017	25.70	29.76	21.60	23.78	16.80	21.08	22.90	23.45
24/01/2017	35.30	30.03	22.80	23.73	18.60	20.96	21.00	23.33
25/01/2017	18.00	29.48	13.20	23.25	12.70	20.59	13.90	22.90
26/01/2017	19.90	29.06	16.80	22.97	16.70	20.42	16.40	22.62
27/01/2017	25.20	28.90	14.30	22.61	16.70	20.26	16.10	22.35
28/01/2017	31.90	29.02	21.00	22.54	18.50	20.19	24.10	22.42
29/01/2017	54.90	30.02	23.80	22.59	24.20	20.35	33.80	22.86
30/01/2017	27.20	29.91	23.00	22.61	14.90	20.14	19.80	22.74
31/01/2017	30.00	29.92	27.30	22.78	18.20	20.08	21.60	22.70
1/02/2017	25.50	29.76	17.20	22.58	21.30	20.12	19.20	22.58
2/02/2017	25.03	29.61	16.80	22.39	19.10	20.08	20.80	22.52

Date of Run	PM01 - Coralie (Sentinex 19)		PM02 - Wambo Road (Caban) (Sentinex 20)		PM03 - Thelander (Sentinex 21)		PM04 - Muller (Sentinex 22)	
	PM10 24 Hour Result (ug/m <sup>3</sup> )	YTD Average	PM10 24 Hour Result (ug/m <sup>3</sup> )	YTD Average	PM10 24 Hour Result (ug/m <sup>3</sup> )	YTD Average	PM10 24 Hour Result (ug/m <sup>3</sup> )	YTD Average
3/02/2017	<b>32.80</b>	29.71	19.80	22.31	18.40	20.03	22.60	22.53
4/02/2017	16.60	29.30	26.20	22.43	15.40	19.88	17.50	22.37
5/02/2017	<b>35.40</b>	29.48	25.40	22.52	12.70	19.67	14.40	22.13
6/02/2017	<b>36.90</b>	29.70	<b>30.30</b>	22.75	22.10	19.74	27.10	22.27
7/02/2017	20.80	29.45	16.60	22.57	16.20	19.64	20.30	22.22
8/02/2017	21.00	29.21	14.90	22.36	14.60	19.50	13.80	21.98
9/02/2017	21.11	28.99	25.70	22.45	16.20	19.41	21.60	21.97
10/02/2017	<b>40.20</b>	29.29	<b>31.70</b>	22.69	19.90	19.42	25.30	22.06
11/02/2017	<b>47.80</b>	29.76	28.50	22.84	<b>32.00</b>	19.74	<b>35.70</b>	22.41
12/02/2017	<b>48.60</b>	30.23	<b>42.80</b>	23.34	<b>36.50</b>	20.16	<b>39.60</b>	22.84
13/02/2017	28.04	30.18	25.90	23.40	22.40	20.22	23.20	22.85
14/02/2017	<b>35.70</b>	30.31	24.50	23.43	20.60	20.23	21.50	22.82
15/02/2017	24.90	30.19	22.10	23.40	17.70	20.17	19.60	22.74
16/02/2017	<b>45.20</b>	30.53	<b>30.40</b>	23.56	23.90	20.25	27.80	22.86
17/02/2017	<b>38.31</b>	30.70	<b>32.90</b>	23.76	22.88	20.31	<b>32.17</b>	23.06
18/02/2017	21.70	30.51	17.30	23.62	15.70	20.21	16.70	22.93
19/02/2017	17.80	30.23	14.80	23.44	15.20	20.10	16.20	22.78
20/02/2017	<b>31.70</b>	30.27	14.10	23.24	10.40	19.90	12.00	22.56
21/02/2017	<b>39.40</b>	30.45	26.90	23.32	27.00	20.05	<b>31.40</b>	22.74
22/02/2017	<b>32.20</b>	30.49	24.90	23.35	25.10	20.15	26.90	22.82
23/02/2017	<b>33.90</b>	30.55	<b>32.10</b>	23.52	27.20	20.29	<b>35.40</b>	23.07
24/02/2017	<b>37.40</b>	30.69	29.30	23.63	29.80	20.47	<b>34.40</b>	23.29
25/02/2017	14.10	30.37	13.40	23.44	9.90	20.27	17.40	23.17
26/02/2017	16.50	30.12	13.40	23.25	12.20	20.12	17.90	23.08
27/02/2017	17.70	29.89	13.00	23.07	13.80	20.01	19.40	23.01
28/02/2017	11.72	29.57	16.18	22.94	8.02	19.79	12.93	22.83
1/03/2017	11.90	29.26	9.70	22.71	8.10	19.59	11.20	22.63
2/03/2017	19.80	29.09	12.40	22.53	10.90	19.44	13.80	22.47
3/03/2017	8.90	28.75	9.80	22.32	6.60	19.22	10.70	22.27
4/03/2017	6.20	28.37	5.00	22.03	4.50	18.97	5.30	21.99
5/03/2017	9.50	28.06	7.00	21.78	6.40	18.77	6.50	21.74
6/03/2017	13.60	27.83	11.50	21.62	10.30	18.63	15.40	21.64
7/03/2017	13.50	27.60	13.00	21.48	10.90	18.51	17.30	21.57
8/03/2017	13.70	27.39	13.40	21.35	11.70	18.40	15.50	21.47

Date of Run	PM01 - Coralie (Sentinex 19)		PM02 - Wambo Road (Caban) (Sentinex 20)		PM03 - Thelander (Sentinex 21)		PM04 - Muller (Sentinex 22)	
	PM10 24 Hour Result (ug/m <sup>3</sup> )	YTD Average	PM10 24 Hour Result (ug/m <sup>3</sup> )	YTD Average	PM10 24 Hour Result (ug/m <sup>3</sup> )	YTD Average	PM10 24 Hour Result (ug/m <sup>3</sup> )	YTD Average
9/03/2017	13.80	27.18	11.10	21.20	11.20	18.29	14.40	21.36
10/03/2017	15.80	27.01	16.70	21.13	15.10	18.24	18.20	21.32
11/03/2017	19.30	26.89	14.70	21.03	16.20	18.21	20.10	21.30
12/03/2017	24.60	26.86	21.10	21.03	16.30	18.18	28.90	21.41
13/03/2017	27.00	26.86	27.80	21.13	22.10	18.24	<b>31.90</b>	21.56
14/03/2017	23.40	26.81	16.70	21.07	16.80	18.22	20.70	21.55
15/03/2017	16.50	26.66	12.40	20.94	10.30	18.11	13.00	21.43
16/03/2017	7.60	26.40	6.84	20.75	7.50	17.96	10.00	21.27
17/03/2017	12.25	26.21	11.60	20.62	8.50	17.83	13.40	21.16
18/03/2017	17.90	26.09	12.90	20.52	12.90	17.76	13.70	21.06
19/03/2017	13.90	25.93	17.10	20.47	5.30	17.60	11.90	20.94
20/03/2017	29.90	25.98	29.20	20.59	16.80	17.59	22.90	20.96
21/03/2017	21.40	25.92	18.40	20.56	13.30	17.53	16.10	20.90
22/03/2017	17.20	25.81	17.20	20.52	8.60	17.42	9.00	20.75
23/03/2017	14.90	25.67	7.00	20.35	10.50	17.33	13.90	20.66
24/03/2017	15.20	25.54	9.00	20.20	10.10	17.24	11.10	20.54
25/03/2017	23.60	25.52	17.20	20.17	16.50	17.23	19.90	20.53
26/03/2017	22.20	25.48	21.60	20.18	20.40	17.27	21.40	20.55
27/03/2017	24.40	25.47	17.20	20.15	15.70	17.25	20.10	20.54
28/03/2017	<b>35.40</b>	25.58	<b>32.80</b>	20.30	<b>31.30</b>	17.42	<b>31.30</b>	20.67
29/03/2017	1.20	25.30	22.20	20.32	17.00	17.41	19.30	20.65
30/03/2017	11.00	25.13	10.30	20.20	8.20	17.31	8.70	20.51
31/03/2017	14.50	25.01	14.40	20.14	16.70	17.30	16.70	20.47

Table 6 - WCPL Blast Monitoring Results

Date & Time	ID	BM02 - Kelly		BM05 - Muller		BM07 - Thelander	
		dBL	mm/sec	dBL	mm/sec	dBL	mm/sec
13/01/2017 11:17	WMB093	98.30	0.06	105.40	0.63	96.10	0.73
16/01/2017 16:22	WMB095	107.60	2.06	87.70	0.02	80.40	0.02
19/01/2017 16:28	WMB098	108.10	2.09	108.30	0.04	94.50	0.03
20/01/2017 11:22	WMB09A	107.40	0.12	109.40	0.58	92.90	0.22
23/01/2017 16:30	WMB09F	94.70	0.04	108.40	0.54	95.90	0.33
25/01/2017 15:32	WMB09K	111.30	1.62	97.40	0.02	86.60	0.02
30/01/2017 11:21	WMB0A7	101.20	0.03	110.60	0.37	101.80	0.21
2/02/2017 15:41	GM_1GMA0_105,GM_1GMA0_107	109.3	1.6	108	0.02	93.1	0.01
4/02/2017 13:25	ME_10WMA_104	104.8	0.13	112	1.45	106.1	0.67
9/02/2017 15:28	GM_1GMA0_109	113.2	0.66	86.9	0.01	71.5	0.01
10/02/2017 12:06	M_22WRC_94	100.4	0.04	104.8	0.21	100	0.26
10/02/2017 12:11	ME_9WMA_106	105.3	0.18	107.1	1.14	101.7	0.49
17/02/2017 10:40	M_22WRC_95	100.4	0.03	106	0.23	101	0.27
17/02/2017 10:41	M_27WWA_61	104.8	0.05	106.5	0.25	100.5	0.48
17/02/2017 10:48	ME_12WMB_113	100.3	0.06	104.1	0.35	96.2	0.09
21/02/2017 11:06	GM_1GMA0_115	108.9	0.71	89.6	0.01	82.6	0.01
23/02/2017 11:05	ME_12WMB_108	91.7	0.12	106.9	0.86	98.6	0.71
12/03/2017 11:06	M_22WRC_103/112	0.07	97.3	0.54	110.8	0.55	107
12/03/2017 11:09	ME_12WMA_111	0.14	106.7	1.29	115.1	0.61	106.3
13/03/2017 12:43	WM M_22WMA_120	0.12	107.6	1.66	107.7	1.25	102.5
13/03/2017 13:07	ME_12WMA_111/118	0.19	94.1	0.8	109.2	0.43	103.2
21/03/2017 15:41	ME_6WMB_121	0.05	94.5	0.67	109.6	0.31	101.8
22/03/2017 16:25	M_22WMA_122	0.09	101.4	0.79	105.3	0.82	99.8
29/03/2017 16:09	M_22WRC_123	0.07	103	0.62	108.7	0.6	101.1

Table 7 - WCPL Meteorology

Date	Temperature (2m)			Temperature (10m)			Temperature Inversion			Humidity			Solar Radiation			RAIN mm	SUM RAIN mm	Wind Speed		
	Min	Average	Max	Min	Average	Max	Min	Average	Max	Min	Average	Max	Min	Average	Max			Min	Average	Max
1/01/2017	21.7	25.1	28.3	21.8	25.5	28.9	-2	4.5	7.5	69.5	77.4	89.7	-1.7	92.8	629.7	5.1	5.1	0.1	1.5	4.2
2/01/2017	20.4	23	27.1	20.8	23.3	27.6	-0.3	4	7.6	64.8	79.9	93.6	-1.7	146.7	824.8	15.9	21	0.1	2.8	6.6
3/01/2017	18.3	22.5	26.7	19	22.9	26.8	-2.8	4.9	9.2	52.6	68.7	85.8	-1.7	211.6	1064.5	0	21	0.7	3	6.3
4/01/2017	19.1	22.1	25.5	19.7	22.5	25.5	-0.7	4.6	9.3	50.4	67.4	81.2	-1.7	150.5	837.1	0	21	0.7	2.8	6.1
5/01/2017	19.5	23.4	28.9	19.9	23.8	29	-2.3	4.1	9.4	53.1	72.2	86	-1.7	254	1089.1	0	21	0.5	2.6	6.6
6/01/2017	17.9	23.4	28.5	18.8	23.9	28.6	-3.9	6.7	20.2	56.7	70.4	88.3	-1.7	268.4	1075.6	0	21	0	3.3	9.8
7/01/2017	19	24.3	30.3	19.6	24.7	30.6	-4	4.8	10.7	43.8	64.3	82.2	-1.7	290.9	1066.7	0	21	0.5	2.6	6.2
8/01/2017	15.2	25.3	34.4	16.1	26.1	35.1	0.5	10.9	23.5	31.9	58.9	87.8	-1.7	325.3	1006.6	0	21	0	1.4	5.1
9/01/2017	17.4	28.8	37.4	18.1	29.7	38.2	1.2	11	45.4	23.4	47.2	83	-1.7	335	958.7	0	21	0	2.1	6.1
10/01/2017	23.3	29.4	38.8	23.9	30.3	38.7	-7.6	11.1	53.9	24.2	48.2	69.6	-1.7	233.3	1115.6	0	21	0	2	5.2
11/01/2017	23.9	30.9	38.9	24.5	31.8	39.6	-0.7	11.6	46.2	24.9	47	72.4	-1.7	182.1	1114.9	0	21	0	2.2	7.6
12/01/2017	23.8	26.7	31.8	24.1	26.8	31.5	-8.5	1.4	7.4	53.1	64.1	74.4	-1.7	288.4	974.7	0	21	1.2	3.7	7.8
13/01/2017	23.1	32.9	43.5	23.5	33.4	43.9	-1.1	6.4	20.6	22	48.9	75.5	-1.7	307.4	911.8	0	21	0	2.7	7.7
14/01/2017	24.5	32.2	39.5	24.5	32.8	39.6	-20.1	7.6	42.4	30.2	45.2	71.5	-1.7	182	898	0	21	0	2.5	7.8
15/01/2017	20	23.4	26.3	20.6	23.7	26.6	0.9	4.3	8.9	59	73	83.6	-1.7	69.5	522.6	0.2	21.2	0.6	3.5	5.7
16/01/2017	18.1	26.2	34.6	19	26.6	34.9	-4.1	5.3	14	35.5	62.1	85.1	-1.7	317.6	955.6	0	21.2	0	1.8	5.5
17/01/2017	19.2	30.6	40.4	19.7	31.3	40.4	-3.9	8.8	21.9	29.2	53.9	83	-1.7	243.4	1083.9	0.2	21.4	0	2.2	6
18/01/2017	21.6	32.8	43	21.7	33.1	43	-42.5	3.6	14.2	22.1	41.5	73.3	-1.7	274.6	986	0.2	21.5	1.5	4.6	8.3
19/01/2017	18.4	21.8	24.6	18.5	22.1	24.5	-4.6	2.8	9	64.7	70.7	82.6	-1.7	98.9	692.5	0.4	21.9	1.1	2.8	5.4
20/01/2017	17.7	25.2	31.5	18.4	25.8	32.4	-0.7	7.2	13.5	59	72.9	82.7	-1.7	111.5	940.9	8.6	30.5	0	2.3	6
21/01/2017	19.7	23.2	27.4	20.1	23.5	27.2	-5.5	3.4	18.1	49.8	63.6	77.8	-1.7	234.7	1196.7	0	30.5	0.2	2.8	6.6
22/01/2017	16.5	23.8	31.7	17.3	24.1	31.6	-5.1	3.7	11.6	40.3	61.8	81.6	-1.8	333.4	973	0	30.5	0	2.1	5.8
23/01/2017	16.6	27.6	38.6	17.6	28.1	38.4	-6.3	6.4	23.4	28.7	57.3	85	-1.8	317.8	945.7	0	30.5	0	1.2	3.5
24/01/2017	21.6	30.4	39.7	22	31.1	39.9	-13.7	7.9	61.2	31.8	50.9	78.1	-1.7	193.6	1047.9	3.4	33.9	0	3.4	8.7
25/01/2017	19.7	21.5	23.8	19.8	21.8	23.8	-2.8	2.9	6	71.7	79.4	85.5	-1.7	69.8	452.3	0.7	34.6	0.2	2.2	3.9
26/01/2017	20.5	22.9	26	20.7	23.2	26.4	-0.8	3.6	7	75.7	83.3	90.7	-1.7	74.1	580.7	0.2	34.8	0.1	1.8	4.6
27/01/2017	20.8	24.1	29.9	21.1	24.3	30.2	-6.6	2.6	7.3	58.9	76.2	90.2	-1.7	214.8	1089	1.4	36.2	0.5	2.5	5.7
28/01/2017	17.6	27.8	37.5	18.5	28.3	37.7	-4.2	6.3	17.5	30	61.7	88.4	-1.7	294.5	971.1	0	36.2	0	1.5	4.8
29/01/2017	21.2	28.1	38.6	21.8	28.5	38.1	-19.3	5.7	17.9	36.1	62.5	81	-1.7	193.9	1034.9	0	36.2	0	1.1	4.7
30/01/2017	21.2	31.6	40.6	21.7	32.1	40.7	-7	6.4	17.4	26.6	53	85.3	-1.7	264.5	1015.7	0	36.2	0	2.6	6.5
31/01/2017	24.9	33.2	42.6	25.1	33.6	42.6	-30.3	5.1	29.1	18.8	40.7	68.6	-1.7	253	1052.7	0	36.2	0.2	3.2	6.8
MONTH	15.2	26.6	43.5	16.1	27.1	43.9	-42.5	5.8	61.2	18.8	62.1	93.6	-1.8	220.3	1,196.70	41		0	2.5	9.8
01/02/17	21.7	25.7	33.2	-	-	-	-	-	-	42.7	72.0	87.5	-	-	-	-	-	-	-	-
02/02/17	22.0	25.8	32.8	-	-	-	-	-	-	33.7	70.5	94.8	-	-	-	-	-	-	-	-
03/02/17	21.0	24.5	29.6	-	-	-	-	-	-	53.6	76.2	94.9	-	-	-	-	-	-	-	-
04/02/17	22.2	28.1	39.7	28.9	29.4	30.1	0.7	7.1	11.6	27.1	65.6	100.0	-1.7	-1.7	-1.7	0.0	0.0	0.5	1.9	4.3
05/02/17	24.7	32.3	40.7	25.3	32.9	40.2	-8.3	6.9	26.5	29.4	45.9	65.6	-1.7	194.7	1021.5	0.0	0.0	0.0	2.0	6.2
06/02/17	21.2	32.4	43.5	22.2	32.9	43.3	-18.1	6.8	33.9	15.1	45.2	77.2	-1.7	314.0	936.2	0.0	0.0	0.0	2.6	5.8
07/02/17	23.6	27.3	31.7	23.7	27.4	31.5	-14.4	1.0	6.8	54.7	66.7	75.4	-1.7	174.2	1006.9	0.0	0.0	0.7	3.1	7.2
08/02/17	22.8	25.2	29.9	22.9	25.4	29.6	-6.6	3.2	11.0	60.3	73.0	82.5	-1.7	115.7	971.1	0.4	0.4	1.1	3.3	8.0
09/02/17	21.6	27.9	36.6	22.1	28.3	36.6	-6.1	5.6	15.0	31.3	61.3	88.8	-1.8	297.7	934.7	0.0	0.4	0.1	1.3	3.8
10/02/17	18.9	32.4	44.8	19.9	33.1	44.7	-12.0	8.7	30.0	17.2	43.1	77.8	-1.8	290.2	903.8	0.0	0.4	0.0	1.4	4.9

Date	Temperature (2m)			Temperature (10m)			Temperature Inversion			Humidity			Solar Radiation			RAIN mm	SUM RAIN mm	Wind Speed		
	Min	Average	Max	Min	Average	Max	Min	Average	Max	Min	Average	Max	Min	Average	Max			Min	Average	Max
11/02/17	26.0	35.3	46.8	26.2	36.1	47.0	-2.1	10.4	61.9	13.5	37.7	65.6	-1.7	239.8	1001.7	0.0	0.4	0.0	2.2	6.3
12/02/17	23.6	31.6	45.8	23.9	31.9	46.3	-41.8	3.2	25.0	11.9	49.8	74.1	-1.8	217.1	947.9	0.0	0.4	0.1	3.4	8.8
13/02/17	21.5	25.4	33.0	21.9	25.5	32.8	-10.7	1.9	8.7	35.7	60.3	82.0	-1.8	284.1	950.5	0.0	0.4	0.2	2.5	7.8
14/02/17	19.9	23.5	28.4	20.2	23.6	28.2	-6.0	1.8	5.9	45.4	60.9	76.0	-1.8	136.7	1025.3	0.0	0.4	1.4	3.6	7.8
15/02/17	19.2	24.1	30.6	19.5	24.3	30.5	-8.3	2.9	11.5	43.4	62.8	79.1	-1.8	212.4	1024.5	0.0	0.4	0.4	2.0	5.8
16/02/17	16.3	27.7	38.2	17.0	28.0	38.0	-10.6	4.6	14.1	22.9	52.5	82.3	-1.8	263.4	959.8	0.0	0.4	0.0	1.7	5.2
17/02/17	19.3	26.7	39.1	20.0	27.2	38.8	-13.6	6.3	29.1	29.4	58.0	78.0	-1.8	181.7	977.8	2.1	2.5	0.0	2.0	9.8
18/02/17	19.0	26.6	38.9	19.7	26.9	38.4	-16.5	3.9	25.2	31.2	65.9	88.6	-1.8	261.5	984.0	0.0	2.5	0.0	2.8	8.0
19/02/17	19.9	22.7	26.6	21.1	23.0	26.4	-6.0	3.6	27.1	65.1	74.9	83.8	-1.8	111.3	761.8	0.4	2.8	0.0	1.7	4.5
20/02/17	10.8	21.6	30.1	13.2	22.4	29.9	-10.8	10.3	42.3	20.6	44.0	72.6	-1.8	314.2	954.0	0.0	2.8	0.0	2.3	5.8
21/02/17	12.3	22.0	31.6	12.8	22.5	31.4	-13.8	6.3	28.2	26.7	51.3	72.7	-1.8	295.9	930.9	0.0	2.8	0.0	2.1	6.4
22/02/17	17.2	25.0	33.7	18.2	25.4	33.6	-4.7	5.2	16.2	32.3	55.3	74.8	-1.8	287.7	902.3	0.0	2.8	0.0	1.9	6.2
23/02/17	15.9	26.3	36.6	16.5	26.9	36.6	-4.8	7.1	16.7	25.6	53.2	79.6	-1.8	283.8	884.6	0.0	2.8	0.0	1.5	5.5
24/02/17	18.9	25.8	34.1	19.2	26.0	33.5	-10.7	3.5	20.5	32.9	53.7	71.4	-1.8	240.6	912.4	0.0	2.8	0.0	2.4	5.7
25/02/17	20.4	22.8	26.0	20.6	22.8	25.5	-11.3	0.9	8.2	62.1	69.4	76.3	-1.8	184.2	1021.3	0.0	2.8	0.7	2.9	6.5
26/02/17	19.3	22.4	26.5	19.7	22.6	26.6	-5.4	2.6	7.3	46.2	64.7	80.3	-1.8	138.3	963.1	0.0	2.8	0.9	3.0	5.2
27/02/17	18.5	22.9	28.4	18.6	23.1	28.4	-7.6	2.1	7.7	41.6	63.9	83.1	-1.8	210.6	1020.7	1.4	4.2	0.4	3.0	7.0
28/02/17	19.1	22.6	27.0	19.6	22.8	27.1	-7.7	3.3	8.0	62.6	74.0	84.6	-1.8	155.6	1024.2	0.2	4.4	0.6	2.4	6.6
MONTH	10.8	26.3	46.8	0.0	26.8	47.0	-41.8	4.8	61.9	11.9	59.7	100.0	-1.8	216.1	1,025.3	5.0		0.0	2.4	9.8
01/03/17	20.3	23.5	29.4	20.6	23.7	29.5	-10.2	2.7	11.1	57.8	75.9	89.1	-1.8	188.6	1033.5	3.0	3.0	0.2	2.3	7.5
02/03/17	19.6	23.6	29.9	20.2	24.0	30.0	-1.7	5.3	12.5	52.5	73.4	88.3	-1.8	139.8	929.8	0.2	3.2	0.0	2.0	5.9
03/03/17	19.6	22.9	27.9	20.4	23.2	28.0	-7.9	3.8	13.1	60.7	78.0	86.7	-1.8	136.9	932.0	6.5	9.7	0.0	2.0	5.7
04/03/17	20.0	22.3	25.5	20.3	22.7	25.6	0.3	4.6	10.5	70.0	81.0	89.4	-1.8	60.1	422.1	12.2	21.9	0.0	1.6	3.9
05/03/17	18.0	20.3	23.9	18.5	20.7	24.4	-2.7	4.8	13.2	85.6	90.5	92.6	-1.8	77.3	1009.4	14.3	36.2	0.0	0.9	3.2
06/03/17	16.6	21.2	27.0	17.4	22.0	27.1	-1.2	10.0	31.4	51.2	71.6	93.4	-1.8	167.0	1009.7	0.2	36.4	0.0	2.1	4.7
07/03/17	16.2	20.5	25.5	18.1	20.9	25.1	-11.5	5.5	29.9	51.5	64.1	75.3	-1.8	233.0	997.2	0.0	36.4	0.0	3.0	6.6
08/03/17	17.3	19.6	23.9	17.4	19.9	23.9	-7.4	3.4	8.2	55.1	68.2	78.4	-1.8	133.7	805.8	0.0	36.4	0.5	2.6	6.4
09/03/17	16.1	20.1	25.2	16.8	20.5	25.4	-5.2	4.8	18.8	49.9	67.7	84.2	-1.8	157.5	977.6	0.4	36.7	0.0	1.9	4.8
10/03/17	14.7	20.9	27.0	15.6	21.4	27.3	-3.4	6.7	22.6	43.1	62.3	80.7	-1.8	194.8	1057.2	0.0	36.7	0.0	2.0	5.3
11/03/17	11.5	19.7	28.5	12.5	20.4	28.7	-9.8	7.9	20.7	36.5	65.6	86.9	-1.8	236.8	978.7	0.0	36.7	0.0	1.3	4.9
12/03/17	11.6	23.0	34.2	12.5	23.6	34.2	-3.9	8.0	21.5	25.9	58.0	84.6	-1.8	260.8	861.1	0.0	0.0	0.0	1.3	4.8
13/03/17	18.5	24.3	32.0	19.0	24.8	32.1	-7.5	6.9	22.5	38.2	59.6	78.2	-1.8	212.1	961.5	0.0	0.0	0.0	2.2	7.2
14/03/17	21.1	24.0	29.2	21.4	24.3	29.1	-4.7	3.1	6.9	53.3	69.5	81.2	-1.8	158.8	926.2	0.0	0.0	0.8	3.7	10.0
15/03/17	20.2	22.5	26.1	20.6	22.8	26.1	-2.6	4.1	8.9	69.3	81.9	90.0	-1.8	93.1	835.7	4.4	0.0	0.8	2.7	6.5
17/03/17	21.8	25.6	32.4	22.1	25.9	32.9	-2.4	4.5	12.0	51.4	77.8	93.0	-1.8	183.9	991.2	1.2	0.0	0.0	1.5	3.3
17/03/17	20.1	22.0	24.4	20.5	22.5	25.4	-2.8	6.0	21.6	68.9	75.1	83.0	-1.8	79.1	832.5	0.2	0.0	0.0	3.7	8.3
18/03/17	17.7	22.2	26.8	18.1	22.7	27.1	-1.4	5.7	12.2	67.6	79.1	88.1	-1.8	107.8	917.7	12.7	0.0	1.6	4.3	9.6
19/03/17	21.9	25.2	30.0	22.3	25.7	30.2	1.4	6.0	9.2	66.4	81.7	90.9	-1.8	149.7	966.3	1.1	0.0	0.3	2.5	4.8
20/03/17	22.0	24.8	28.9	22.8	25.2	29.4	1.5	6.1	9.4	68.2	80.5	89.1	-1.8	104.7	681.7	0.0	0.0	0.0	1.2	3.8
21/03/17	21.2	24.9	32.5	21.7	25.3	32.6	-5.9	4.3	11.9	55.0	79.6	90.8	-1.8	183.2	900.7	13.2	0.0	0.0	1.3	7.3
22/03/17	20.4	23.9	29.3	20.8	24.4	29.8	0.0	6.5	13.1	68.4	83.1	90.2	-1.8	81.0	977.3	9.2	0.0	0.0	2.2	4.6
23/03/17	20.2	21.6	23.6	20.7	22.1	23.9	3.0	6.0	9.3	77.2	84.4	91.4	-1.8	52.2	782.6	0.0	0.0	0.3	1.5	3.2

Date	Temperature (2m)			Temperature (10m)			Temperature Inversion			Humidity			Solar Radiation			RAIN mm	SUM RAIN mm	Wind Speed		
	Min	Average	Max	Min	Average	Max	Min	Average	Max	Min	Average	Max	Min	Average	Max			Min	Average	Max
24/03/17	18.2	20.5	23.5	18.5	20.9	24.1	-1.4	5.0	10.5	72.8	83.0	91.6	-1.8	82.7	915.5	9.9	0.0	0.3	1.7	4.5
25/03/17	16.9	21.6	26.6	17.6	22.1	26.7	-3.4	5.7	11.5	62.7	76.5	88.8	-1.8	151.1	904.5	1.8	0.0	0.0	0.8	2.7
26/03/17	19.4	23.3	29.0	20.0	23.8	29.2	-1.1	6.4	12.0	60.1	78.9	91.3	-1.8	193.2	971.9	0.0	0.0	0.0	1.4	5.3
27/03/17	16.6	22.3	30.2	17.2	23.0	30.2	-3.3	8.0	16.3	52.2	76.8	91.1	-1.8	199.0	792.4	0.0	0.0	0.0	0.8	2.9
28/03/17	19.1	24.2	30.9	19.6	24.7	31.3	-0.9	5.4	11.5	63.3	77.7	89.2	-1.8	215.8	756.3	0.0	0.0	0.0	1.7	4.9
29/03/17	22.2	26.6	34.5	22.4	27.0	35.0	-1.1	5.4	17.9	52.3	75.7	90.5	-1.8	201.5	770.8	0.0	0.0	0.0	1.3	4.2
30/03/17	16.5	22.3	28.1	17.2	23.0	29.5	-3.5	8.2	61.9	60.3	76.6	89.1	-1.8	15.9	123.9	50.6	0.0	0.0	2.6	6.2
31/03/17	15.4	18.4	22.9	16.0	18.8	23.0	-1.3	6.0	13.9	54.1	67.0	79.2	-1.8	207.4	947.3	0.0	0.0	0.0	2.7	5.7
MONTH	11.5	22.5	34.5	12.5	23.0	35.0	-11.5	5.7	61.9	25.9	74.9	93.4	-1.8	150.3	1,057.2	159.8		0.0	2.0	10.0

