

GLENCORE

Ravensworth Complex

Monthly Environmental Monitoring
Report

April 2020

Note: This report will be edited and re-uploaded onto the internet within 14 days of obtaining any data that has not been included in this report.

A map of EPL 2652 monitoring locations can be found at

<http://www.ravensworthoperations.com.au/en/publications/Pages/environmental-monitoring-maps.aspx>

DNR = Data Not Received.

Licence Holder: Ravensworth Operations Pty Ltd

Site Address: Ravensworth Mining Complex, Lemington Road, Ravensworth, NSW, 2333

EPL Number: 2652

DEFINITIONS

Abbreviation	Explanation
mm/s	Millimetres per second
db	Decibels
g/m ² /month	Grams per metre square per month
µg/m ³	Micrograms per Cubic Meter of Air
µS/cm	Microsiemens Per Centimeter
pH	A measure of the acidity or alkalinity of a solution
mg/L	Milligrams per litre
NTU	Nephelometric turbidity units
ML/day	Megalitres per day
KL/day	Kilolitres per day
PM10	Particulate Matter of 10 Microns in diameter or smaller
HVAS	High Volume Air Sampler
TSP	Total suspended particles
TSS	Total suspended solids

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BLAST

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Sampled: Every Blast Event

Obtained: As per date of blast

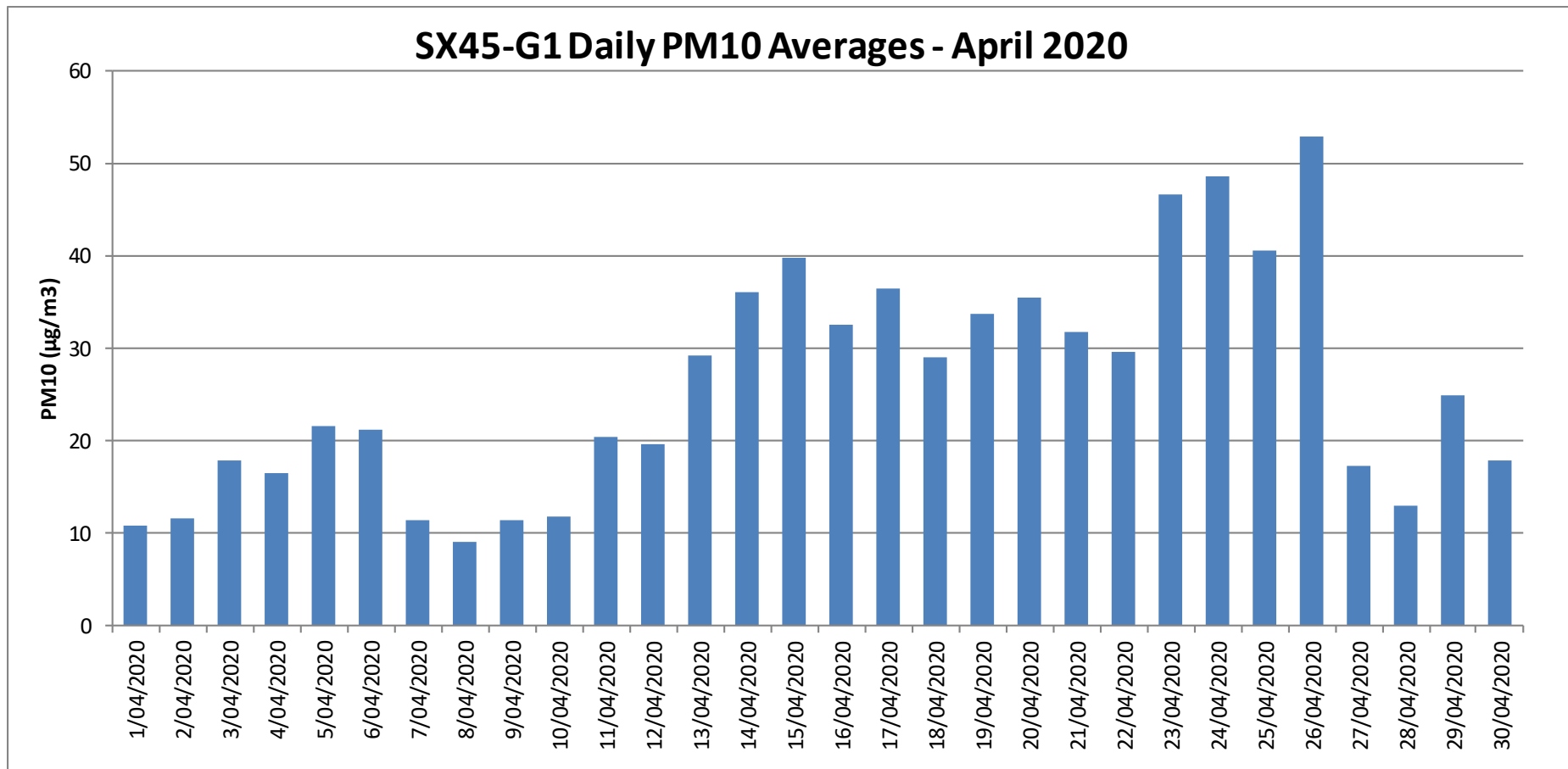
Published: 25/05/2020

Date/Time	Overpressure (dB)					Vibration (mm/s)				
	BWM - Bowman Residence EPL Point 8	CWL - Camberwell Village EPL Point 7	Allowable Exceedance of 5% of total blasts over 12 month period	Limit	Identified Exceedances (Yes/No)	BWM - Bowman Residence EPL Point 8	CWL - Camberwell Village EPL Point 7	Allowable Exceedance of 5% of total blasts over 12 month period	Limit	Identified Exceedances (Yes/No)
1/04/2020 13:24	72.6	93.4	115	120	N	0.16	0.13	5	10	N
2/04/2020 13:05	84.7	88.3	115	120	N	0.03	0.06	5	10	N
6/04/2020 13:26	85.8	85.7	115	120	N	0.02	0.03	5	10	N
6/04/2020 13:28	84.7	85.8	115	120	N	0.13	0.07	5	10	N
6/04/2020 13:29	89.9	91.3	115	120	N	0.13	0.1	5	10	N
7/04/2020 13:36	95.5	84.5	115	120	N	0.06	0.05	5	10	N
9/04/2020 16:03	77.8	87.5	115	120	N	0.04	0.03	5	10	N
9/04/2020 16:05	78.3	81.5	115	120	N	0.03	0.03	5	10	N
9/04/2020 16:06	74.7	75	115	120	N	0.17	0.1	5	10	N
15/04/2020 13:20	91.4	92.7	115	120	N	0.04	0.03	5	10	N
15/04/2020 13:21	93.7	95.3	115	120	N	0.15	0.12	5	10	N
17/04/2020 13:02	103	96.1	115	120	N	0.03	0.02	5	10	N
20/04/2020 13:24	101	96.6	115	120	N	0.03	0.02	5	10	N
20/04/2020 13:25	97.7	92.1	115	120	N	0.22	0.12	5	10	N
21/04/2020 13:12	89.2	93.7	115	120	N	0.1	0.11	5	10	N
21/04/2020 13:58	94.3	99.1	115	120	N	0.21	0.21	5	10	N
22/04/2020 13:17	92.2	95.4	115	120	N	0.03	0.03	5	10	N
22/04/2020 13:19	87.1	86.1	115	120	N	0.21	0.1	5	10	N
24/04/2020 13:15	94.7	101.1	115	120	N	0.11	0.09	5	10	N
29/04/2020 13:09	91.3	93.4	115	120	N	0.08	0.06	5	10	N
30/04/2020 9:06	106.9	103.2	115	120	N	0.11	0.07	5	10	N

DUST TEOMs

April 2020

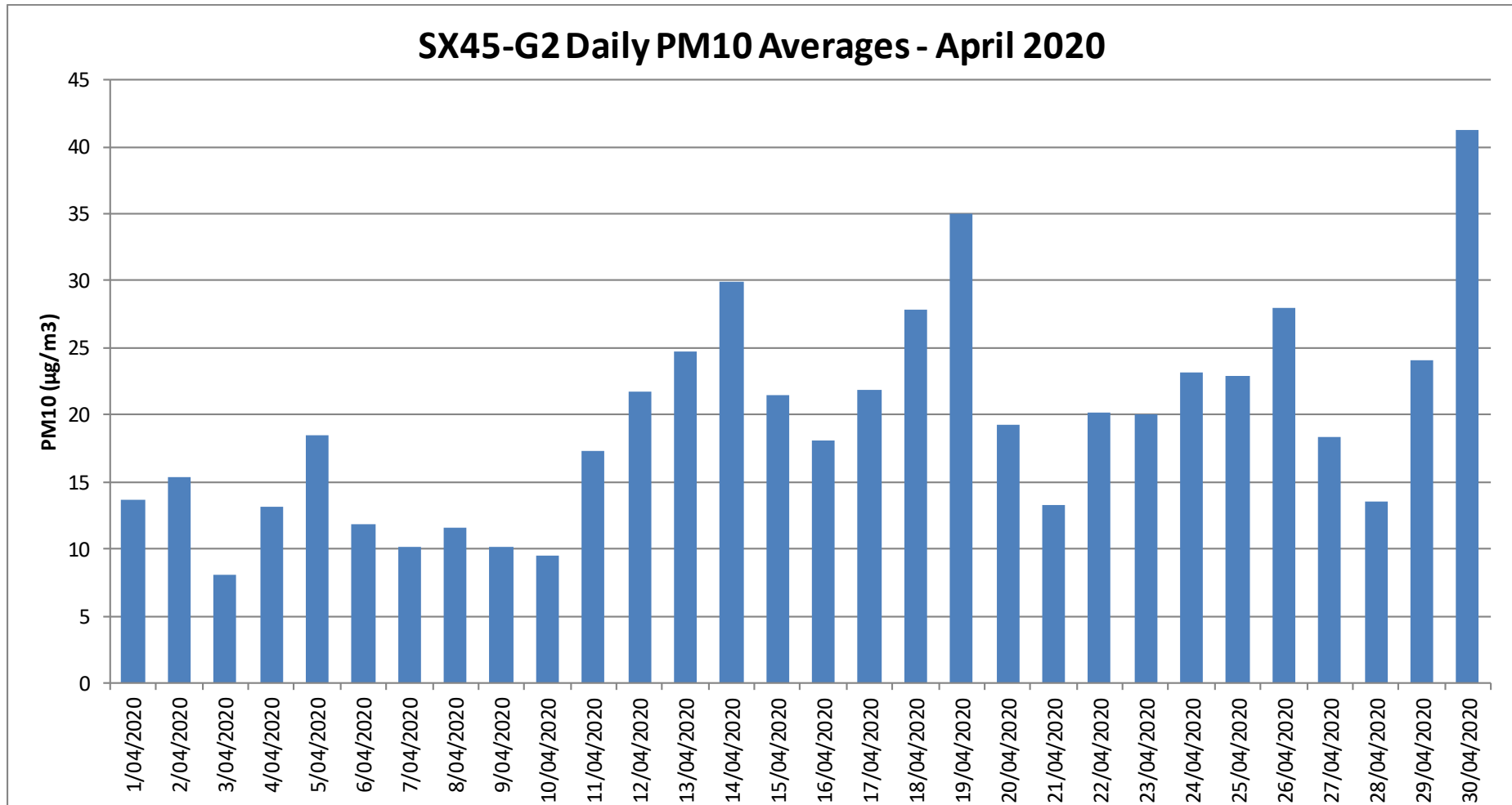
Sampled: Continuous
Obtained: 05/05/2020
Published: 25/05/2020



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DISCHARGE MONITORING

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No discharge events occurred during April.

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NOISE MONITORING

April 2020

Sampled: As Specified

Obtained: 20/05/2020

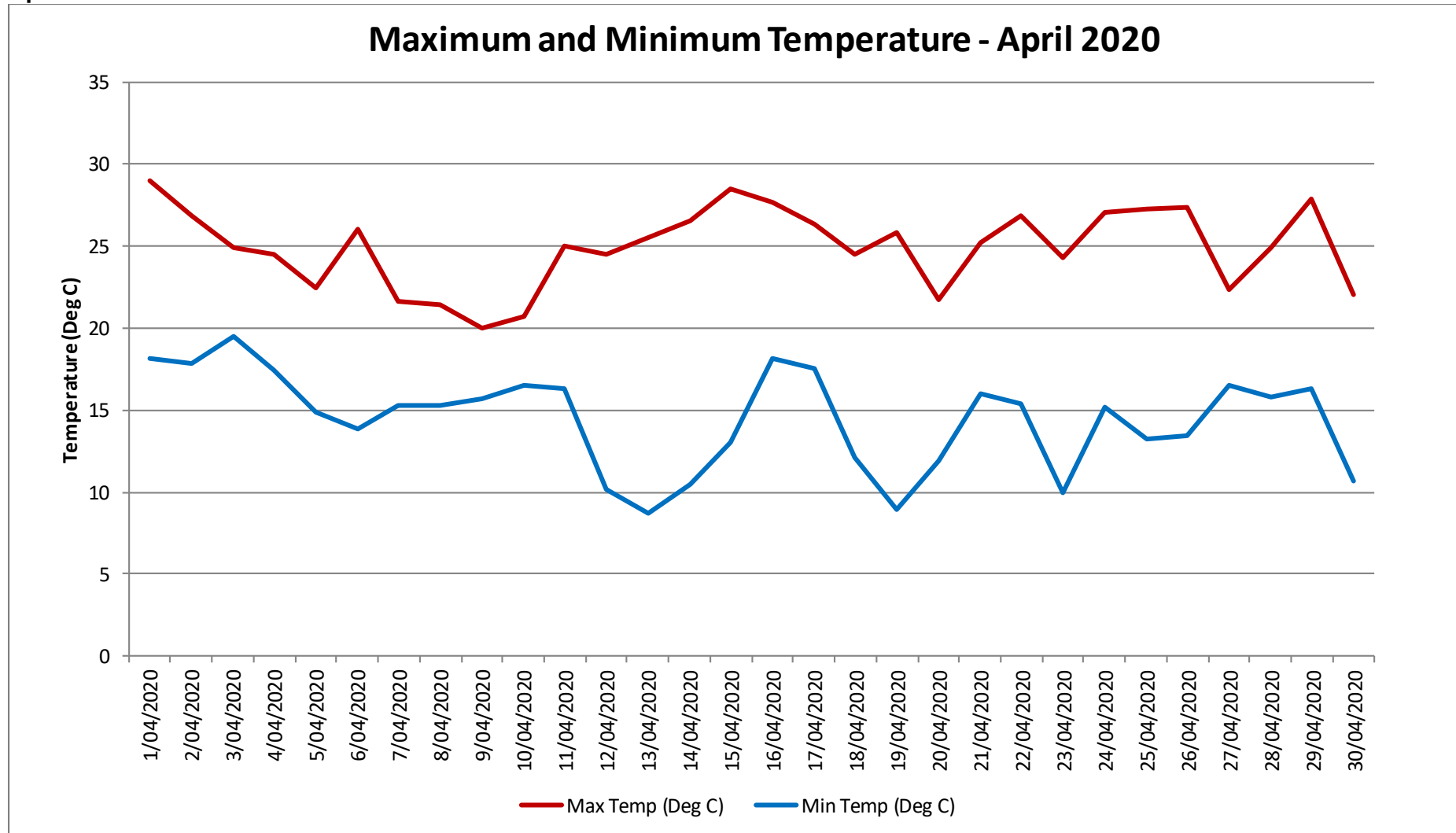
Published: 25/05/2020

Monitoring Location	Receiver Location	Date and Time	dB(A), Leq	Ravensworth Mine Complex Contribution dB(A), Leq	Criterion dB(A) Leq	dB(A), L1 (1min) ¹	Criterion dB(A), L1 (1min) ¹	Stability Class	Wind speed (m/s)	Wind direction (°)	Compliant
Site 2	R2	1/04/2020 9:41 pm	39	<20	35	<20	45	F	2.4	161	Yes
Site 3	R3	1/04/2020 10:36 pm	38	<20	35	<20	45	E	2.2	167	Yes
Site 5	R3	1/04/2020 11:02 pm	45	<20	35	<20	45	E	2.6	141	Yes
Site 6	R4	1/04/2020 11:22 pm	48	<20	35	<20	45	E	2.3	149	Yes

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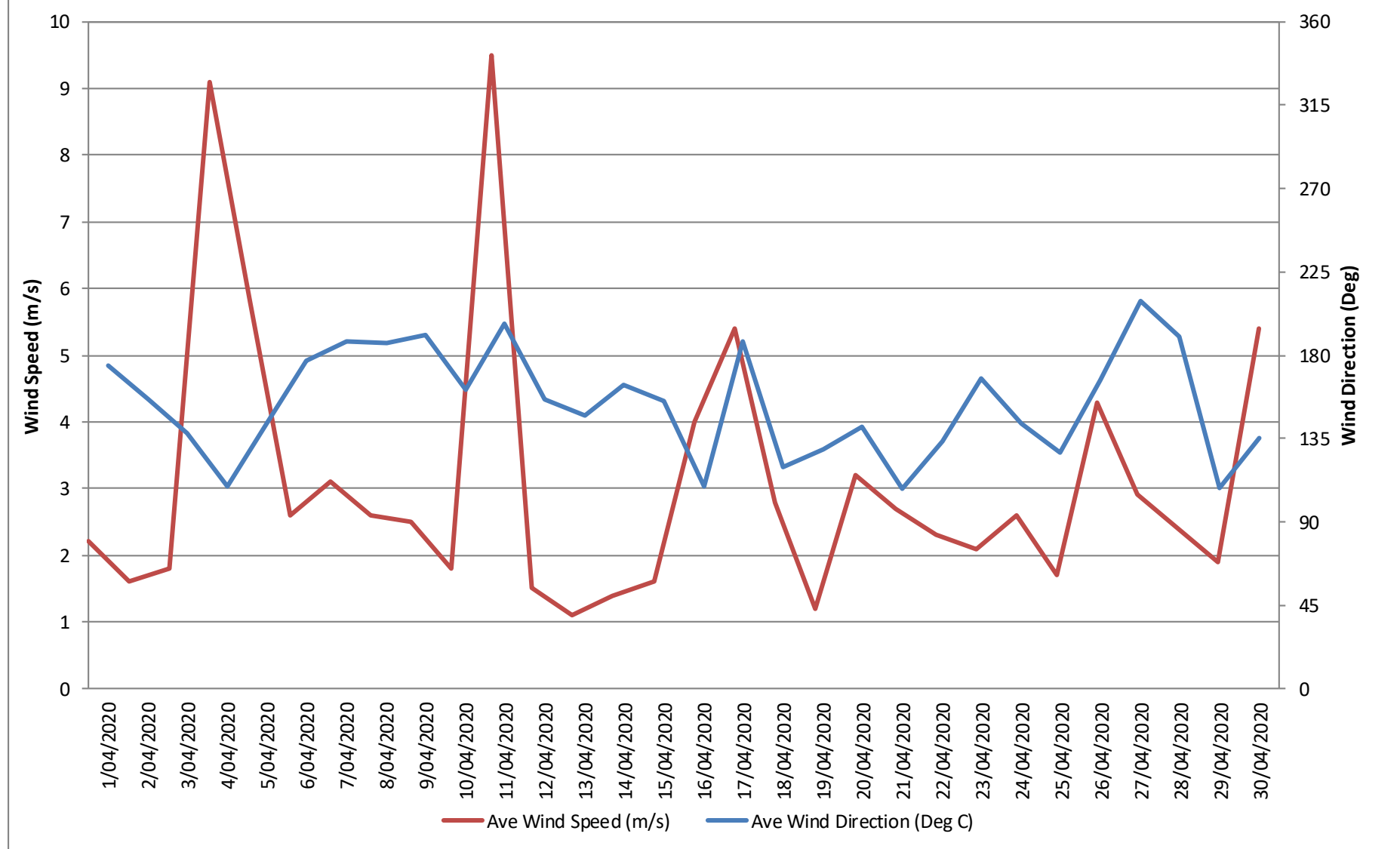
Meteorological Data

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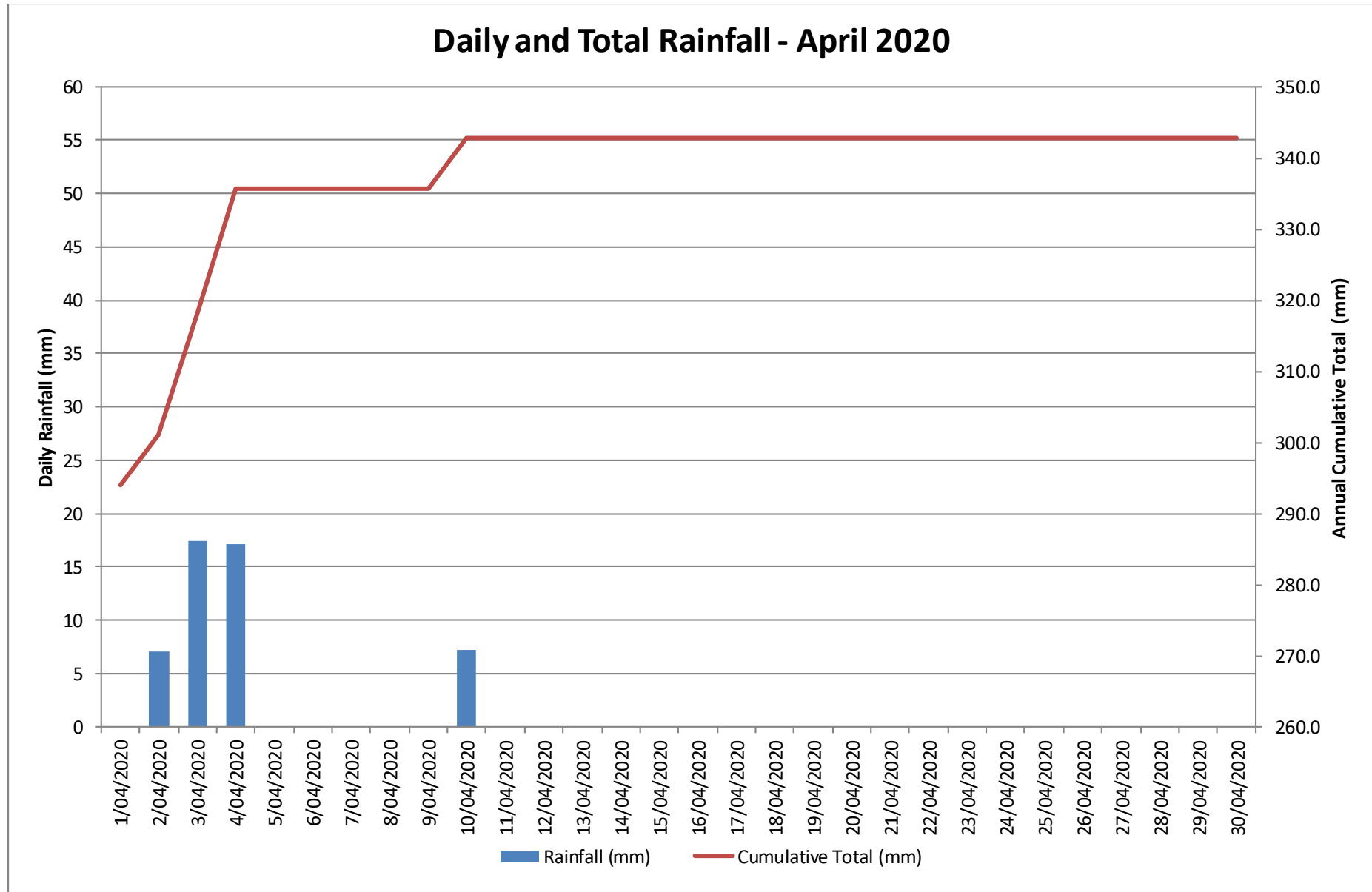
Average Wind Speed and Direction - April 2020



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