



MONTHLY REPORT SUMMARY

Stoney Trail #1

BLV Group

Name/Location

Company

July 2015

Monitoring Period

Continuous Ambient Monitoring				
Parameter	% Time Operational	Average	Maximum	Number of Hours above Industrial Standards
Sound dB A	100%	46	58	0
PM2.5 $\mu\text{g}/\text{m}^3$	80%	16.6	28.1	0
TSP $\mu\text{g}/\text{m}^3$	100%	42.9	102.2	1
Wind Speed km/h	100%	11	36	-
Precipitation mm	100%	-	6.1	-
Trailer Temperature	100%	19	34	-

Sound level is analyzed only for wind speed less than 11 km/h and precipitation less than 3 mm/hour

COMMENTS:

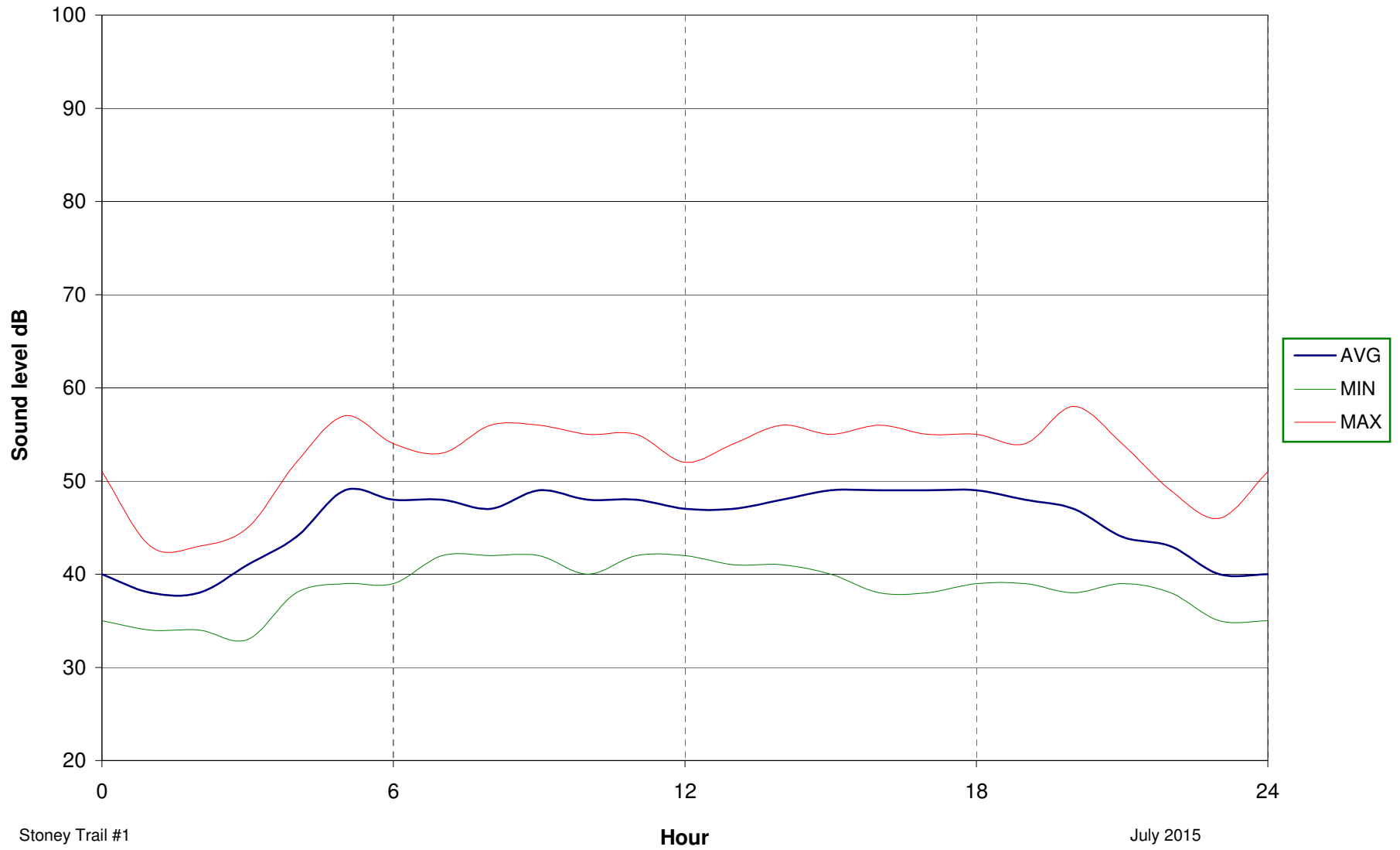
The regulation for industrial areas is 85 dB A any time.

The PM2.5 Standard is 30 $\mu\text{g}/\text{m}^3$ for the day.

The TSP Objective is 100 $\mu\text{g}/\text{m}^3$ for the day.

One 24 hour sample of PM2.5 and TSP is taken every 6th day following the federal NAPS schedule.

Sound Level by Hour of the Day

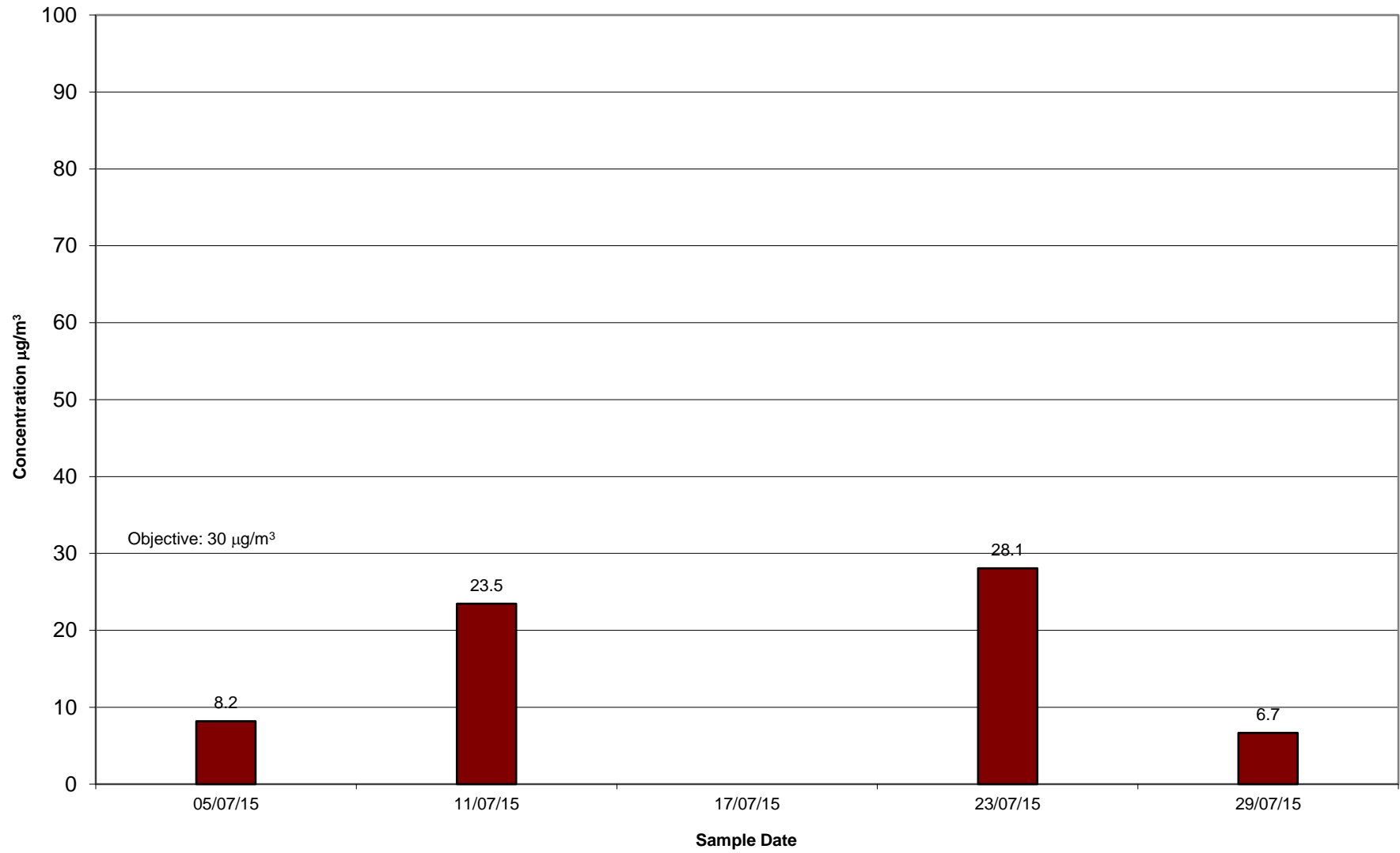


Stoney Trail #1

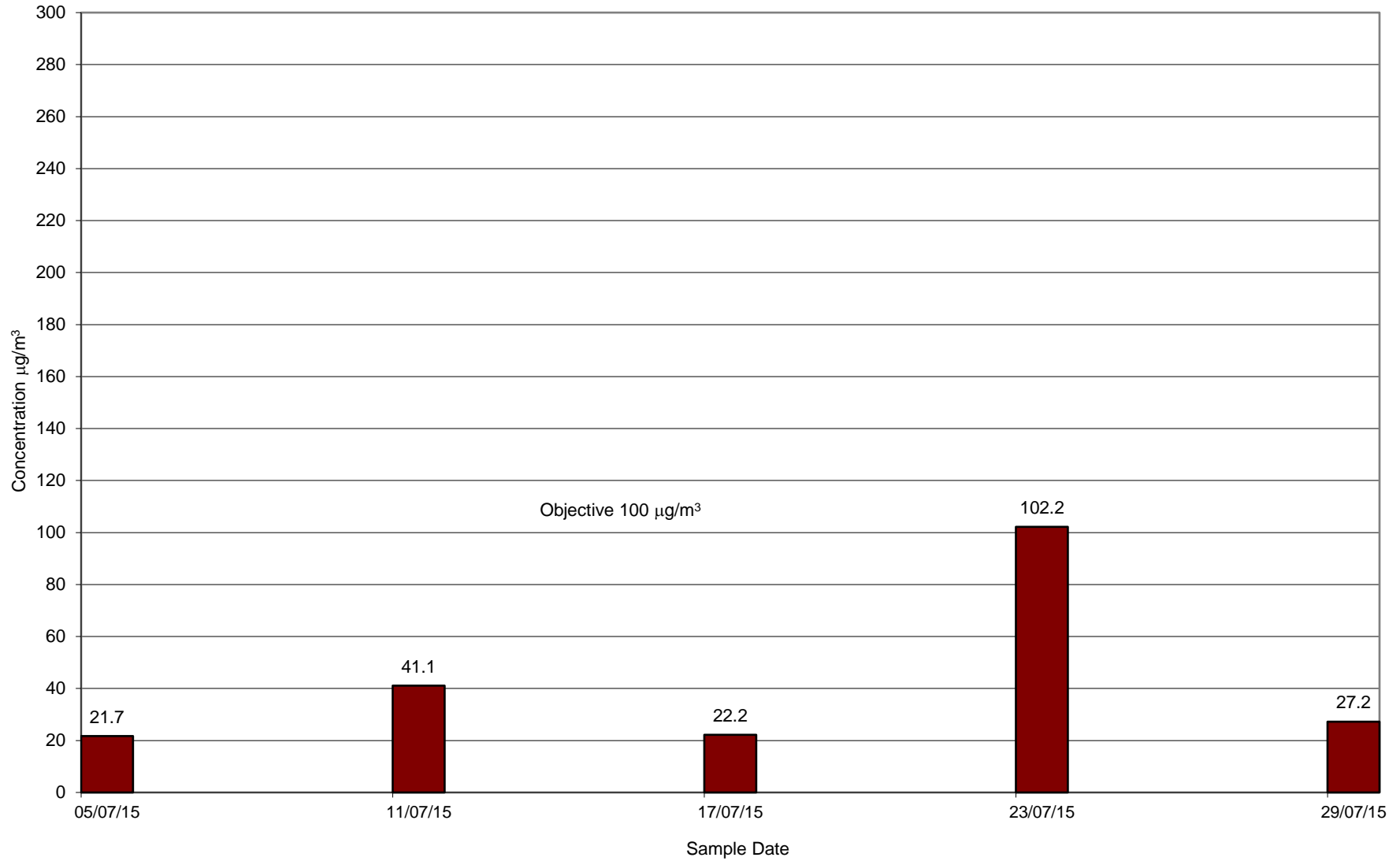
Hour

July 2015

PM2.5 at BLV Group Stoney Trail #1 July 2015

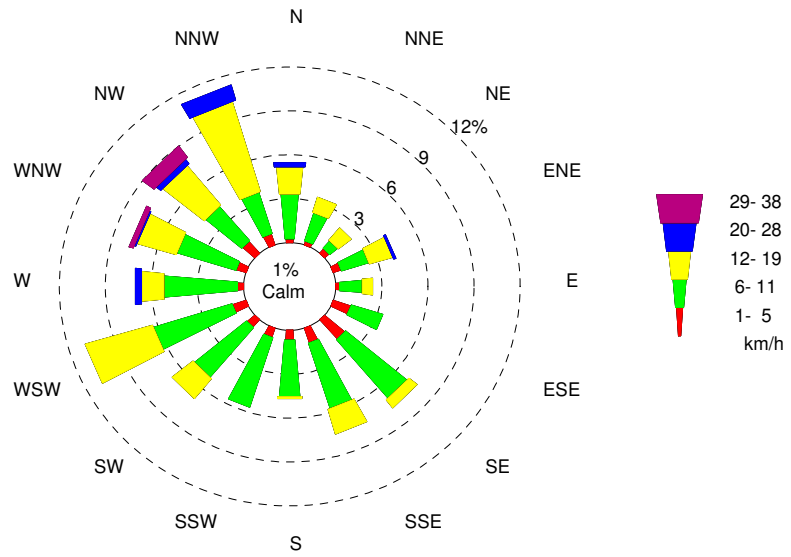


TSP at BLV Group Stoney Trail #1 July 2015



Wind rose for JUL 2015
Stoney Trail 1

Bar length is proportional to frequency of winds from its direction



ABSTRACT OF THE WIND
BLV Group
Stoney Trail 1
STATION 620
JUL 2015

HOUR DAY	ALL TIMES ARE L.S.T.					SPEED [km/h]								ANEMOMETER HEIGHT 10 m								MEAN SPD	MAX VEL	PREV DIR	MISS OBS					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21					22	23	24		
1	W	WNW	W	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	N	N	NNW	NW	W	WNW	WSW				NW	0	
2	8	10	14	11	12	14	15	17	20	17	14	18	18	17	17	15	17	14	9	6	3	5	6	5	13	20		SE	0	
3	6	4	4	6	5	4	1	4	7	7	9	9	10	12	13	11	12	10	11	11	7	9	9	12	8	13		WSW	0	
4	11	11	2	10	9	11	12	12	9	10	11	11	10	10	15	13	13	10	10	9	7	10	16	13	11	16		SVL	0	
5	12	13	6	5	5	1	1	6	4	8	10	9	12	12	28	22	19	27	21	14	12	10	9	10	11	28		NNW	0	
6	12	9	11	14	10	10	13	15	16	21	18	18	15	18	17	16	18	17	16	12	11	8	5	7	14	21		SE	0	
7	6	8	8	10	8	10	13	14	13	9	10	11	10	11	11	10	10	9	8	11	18	9	5	8	10	18		SVL	0	
8	10	10	11	11	14	15	19	18	14	11	11	11	14	15	13	11	9	5	7	10	9	5	5	5	11	19		SSW	0	
9	9	8	11	11	7	11	12	10	9	10	10	9	7	8	8	9	11	13	17	16	12	9	11	9	10	17		SSW	0	
10	11	11	12	12	9	7	7	4	5	7	7	9	9	9	10	11	11	13	13	12	10	9	8	6	9	13		SVL	0	
11	6	8	4	8	14	16	16	15	15	14	14	12	11	10	10	9	9	8	5	5	6	7	7	8	10	16		WSW	0	
12	8	13	13	13	14	16	12	10	12	13	13	15	17	10	8	9	12	7	11	12	13	11	13	12	17	0		W	0	
13	15	13	13	12	8	10	11	7	6	10	10	5	7	2	6	9	8	6	5	5	8	9	8	12	9	15		N	0	
14	9	13	18	15	12	12	7	9	10	9	10	9	11	7	9	10	10	13	11	5	6	6	6	9	10	18		NNW	0	
15	8	5	11	9	9	7	7	6	4	3	4	5	10	18	18	15	4	7	11	11	7	4	5	2	8	18		WSW	0	
16	6	7	6	6	4	8	9	9	13	9	7	7	8	10	9	5	8	12	13	14	12	12	10	9	14		SVL	0		
17	8	9	17	23	22	20	18	15	6	8	12	11	15	13	9	11	15	11	17	10	9	11	11	12	13	23		0	0	
18	12	14	18	18	22	22	26	26	29	35	35	35	36	35	31	34	30	27	24	19	18	17	17	15	25	36		0	0	
19	14	13	11	10	11	13	12	9	7	5	8	10	11	11	11	10	10	13	14	13	12	11	14	13	11	14		0	0	
20	11	8	11	10	13	14	13	14	15	17	13	10	9	9	9	10	7	9	10	9	7	5	3	6	10	17		0	0	
21	5	5	8	7	4	8	9	15	14	11	9	10	9	9	11	17	15	16	13	11	8	6	9	8	10	17		0	0	
22	10	8	3	6	7	6	4	8	11	11	12	14	13	15	13	16	17	17	17	14	11	19	20	17	12	20		0	0	
23	16	14	8	6	7	7	8	8	8	10	10	12	24	13	13	11	13	16	8	3	1	2		9	24		0	0		
24	3	6	9	9	11	6	8	11	10	5	7	12	11	5	9	10	7	8	9	15	14	11	9	9	15	0		0	0	
25	9	8	10	10	9	11	10	10	8	9	8	9	9	10	8	9	7	6	5	4	10	13	7	10	9	13		0	0	
26	14	10	10	9	10	11	8	5	2	9	11	15	19	16	15	13	14	12	10	11	11	11	6	5	11	19		0	0	
27	5	5	6	6	3	3	4	5	4	4	4	17	16	14	15	16	17	11	10	10	10	11	9	9	17	0		0	0	
28	8	8	7	8	7	9	12	12	15	15	15	14	13	15	17	16	14	12	11	7	8	10	11	14	12	17		0	0	
29	15	15	15	16	15	15	19	15	14	13	10	9	10	9	9	5	6	3	7	1	6	10	10	10	10	19	0		0	0
30	13	13	13	12	14	10	5	9	12	13	14	7	8	14	17	16	16	16	12	8	6	6	4	11	17	0		0	0	
31	1	5	8	8	4	1	6	9	7	4	5	5	6	7	8	13	14	19	20	17	14	11	4	4	8	20		0	0	
MEAN	5	9	6	4	8	10	8	6	11	11	10	11	12	11	12	10	11	9	8	8	8	10	11	11	9	12		0	0	

NOTE: Missing data represented by M; no clear prevailing direction represented by SVL; calm winds represented by CALM
WS UPTIME 100 % WD UPTIME 100 %

Date of Last Calibration 060221 Make and Model of Instrument: RM Young5103

FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION
BLV Group
Stoney Trail 1
STATION 620
JUL 2015

SPEED [km/h]	WIND DIRECTION																TOTAL	PCT											
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNNW	NW	NNW													
< .5																									4	1			
1- 5	2			3		2		9		13		5		5		5		7		3		5		8	6	87	12		
6- 11	23	15	5	14	11	16	39	35	29	37	33	40	36	30	23	22	408	55											
12- 19	14	8	8	12	5	0	5	13	1	0	13	34	11	20	26	48	218	29											
20- 28	2	0	0	1	0	0	0	0	0	0	0	0	3	1	3	8	18	2											
29- 38	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	0	9	1											
TOTAL	41	25	16	31	18	25	57	56	35	42	51	81	53	58	67	84	744	100											
PERCENT	6	3	2	4	2	3	8	8	5	6	7	11	7	8	9	11													
AVERAGE	12	11	11	12	10	8	8	9	8	8	10	11	11	12	14	13	11												

PRECIPITATION [mm]
 BLV Group
 Stoney Trail 1
 STATION 620
 JUL 2015

Day	Hour																								Tot
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	0	0	3.6	2.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.9
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.4	.3	0	0	0	0	0	0	0	4.7
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.6	.6	1.6	0	2.8
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	1.1	1.5	.3	0	.2	.3	0	0	.2	0	0	0	0	0	0	0	3.8
13	0	0	0	0	0	0	0	0	0	0	0	0	0	.2	0	0	0	0	0	0	0	0	0	0	.2
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.2	0	0	0	0	0	0	0	.3
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	1.0	4.0	.6	.3	0	0	.6	1.3	0	0	0	0	0	.8	0	0	.3	.3	9.3	
17	.7	1.2	.9	.7	2.1	2.4	1.6	1.4	1.0	.5	.9	.2	.2	0	0	0	0	0	0	0	0	0	0	0	13.8
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	.3	.6	0	0	0	0	0	0	0	0	0	0	0	1.0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.4	0	0	0	0	0	0	0	0	.5
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.1	0	0	0	0	0	0	0	0	0	6.1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.0	.2	0	0	0	0	0	0	0	0	4.2
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.3
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTL	.7	1.2	4.5	2.9	2.1	2.4	2.6	5.6	2.7	2.6	1.2	.6	1.6	2.0	10.6	4.7	.6	0	0	1.5	.7	1.6	.3	.3	
MAX	.7	1.2	3.6	2.2	2.1	2.4	1.6	4.0	1.1	1.5	.9	.3	.6	1.3	6.1	4.0	.2	0	0	.8	.6	1.6	.3	.3	

Percent of time operational: 100 M - missing data
 Monthly Total: 53 Maximum in an hour: 6.1
 Year to Date: 133

TRAILER TEMPERATURE
 BLV Group
 Stoney Trail 1
 STATION 620
 JUL 2015

Day	Hour																								Avg
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	17	17	16	15	14	14	15	15	17	17	17	20	22	23	24	25	26	26	25	24	23	20	18	17	20
2	16	15	14	13	13	14	17	21	24	25	27	28	29	29	30	30	31	31	30	29	26	23	21	20	23
3	19	18	17	16	16	16	19	22	25	28	30	30	31	31	31	31	30	31	31	29	26	22	20	18	24
4	17	16	16	16	15	15	15	18	20	23	24	25	25	26	23	20	19	16	14	14	13	13	12	12	18
5	12	11	10	11	11	11	11	12	14	15	16	17	18	18	20	20	21	21	20	18	16	14	12	11	15
6	10	9	8	8	7	8	11	13	15	18	21	22	24	25	26	26	26	24	24	23	19	16	15	14	17
7	14	14	13	13	13	12	13	14	15	16	19	21	21	21	22	23	23	24	23	22	19	16	14	13	17
8	12	12	12	12	11	11	13	17	20	23	26	28	29	30	31	32	32	32	30	28	25	22	20	19	22
9	18	18	18	18	18	18	19	23	26	28	30	32	33	33	33	34	34	34	33	31	27	24	21	20	26
10	18	17	17	17	17	18	18	20	20	23	25	27	29	30	31	32	32	30	29	27	24	23	21	20	24
11	19	18	18	18	17	18	19	22	24	24	26	28	29	30	32	31	31	30	27	24	21	20	20	19	24
12	19	19	18	18	18	18	19	19	18	17	17	18	19	20	24	27	27	27	26	26	24	22	20	19	21
13	17	16	16	16	15	15	16	18	21	22	24	24	23	21	22	23	24	25	24	21	19	17	15	14	20
14	14	13	13	13	13	13	13	14	16	18	22	25	26	23	24	24	22	20	21	21	19	16	15	13	18
15	12	12	12	12	11	11	12	16	20	22	24	26	27	27	28	27	26	25	23	22	20	19	18	17	20
16	17	16	16	15	13	12	11	10	10	10	12	14	15	12	12	16	16	15	14	12	10	9	9	13	13
17	9	9	9	9	9	9	9	10	11	11	12	12	12	13	14	17	17	18	19	18	16	14	13	13	13
18	12	12	12	11	11	11	14	17	20	22	24	25	25	26	26	28	29	29	28	26	23	21	19	18	20
19	18	17	16	16	16	16	16	16	17	19	22	23	24	25	26	25	25	24	22	21	20	19	18	18	20
20	17	15	14	13	13	14	15	18	21	22	21	22	25	27	28	29	30	30	29	27	24	20	18	17	21
21	16	16	15	14	13	13	16	19	21	23	24	25	26	26	27	27	27	27	26	24	21	19	17	15	21
22	15	14	14	13	12	12	13	15	19	22	23	21	17	16	19	21	23	23	23	22	18	15	13	12	17
23	11	11	10	10	10	10	12	14	17	20	21	22	22	21	21	22	22	23	22	20	18	17	16	15	17
24	14	13	12	12	11	12	14	17	20	23	25	26	27	28	29	29	29	29	26	24	21	20	18	16	21
25	16	16	15	14	15	15	16	16	16	17	18	19	21	22	19	19	21	20	18	16	15	13	13	17	17
26	12	11	10	10	10	10	12	16	18	21	23	22	21	19	20	17	15	15	13	12	11	10	10	15	15
27	10	9	9	8	8	8	8	10	12	13	16	17	18	19	19	19	20	20	20	19	16	13	12	11	14
28	11	10	10	10	10	10	12	15	17	19	21	23	24	25	25	24	22	22	21	18	16	15	15	15	17
29	14	13	13	12	12	12	14	16	19	21	22	21	21	21	21	23	25	25	25	23	19	16	14	12	18
30	10	9	9	9	9	8	11	15	19	22	25	27	28	28	29	29	29	29	27	25	22	19	17	15	20
31	13	13	13	12	10	10	14	18	21	23	26	28	30	30	31	33	34	34	33	30	26	22	21	20	23
AVG	15	14	13	13	13	13	14	16	18	20	22	23	24	24	25	25	25	25	24	23	20	18	16	15	15
MAX	19	19	18	18	18	18	19	23	26	28	30	32	33	33	33	34	34	34	33	31	27	24	21	20	20
MIN	9	9	8	8	7	8	8	10	10	10	12	12	12	12	12	16	15	15	14	12	10	9	9	9	9

Percent of time operational: 100
 Monthly Average: 19 Monthly Maximum: 34 Monthly Minimum: 7 M - missing data