



## MONTHLY REPORT SUMMARY

Stoney Trail #1

BLV Group

Name/Location

Company

September 2015

Monitoring Period

Continuous Ambient Monitoring				
Parameter	% Time Operational	Average	Maximum	Number of Hours above Industrial Standards
Sound dB A	100%	48	64	0
PM2.5 $\mu\text{g}/\text{m}^3$	100%	12.9	22.9	0
TSP $\mu\text{g}/\text{m}^3$	100%	47.1	95.0	0
Wind Speed km/h	100%	10	27	-
Precipitation mm	100%	-	3.9	-
Trailer Temperature	100%	12	31	-

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

### COMMENTS:

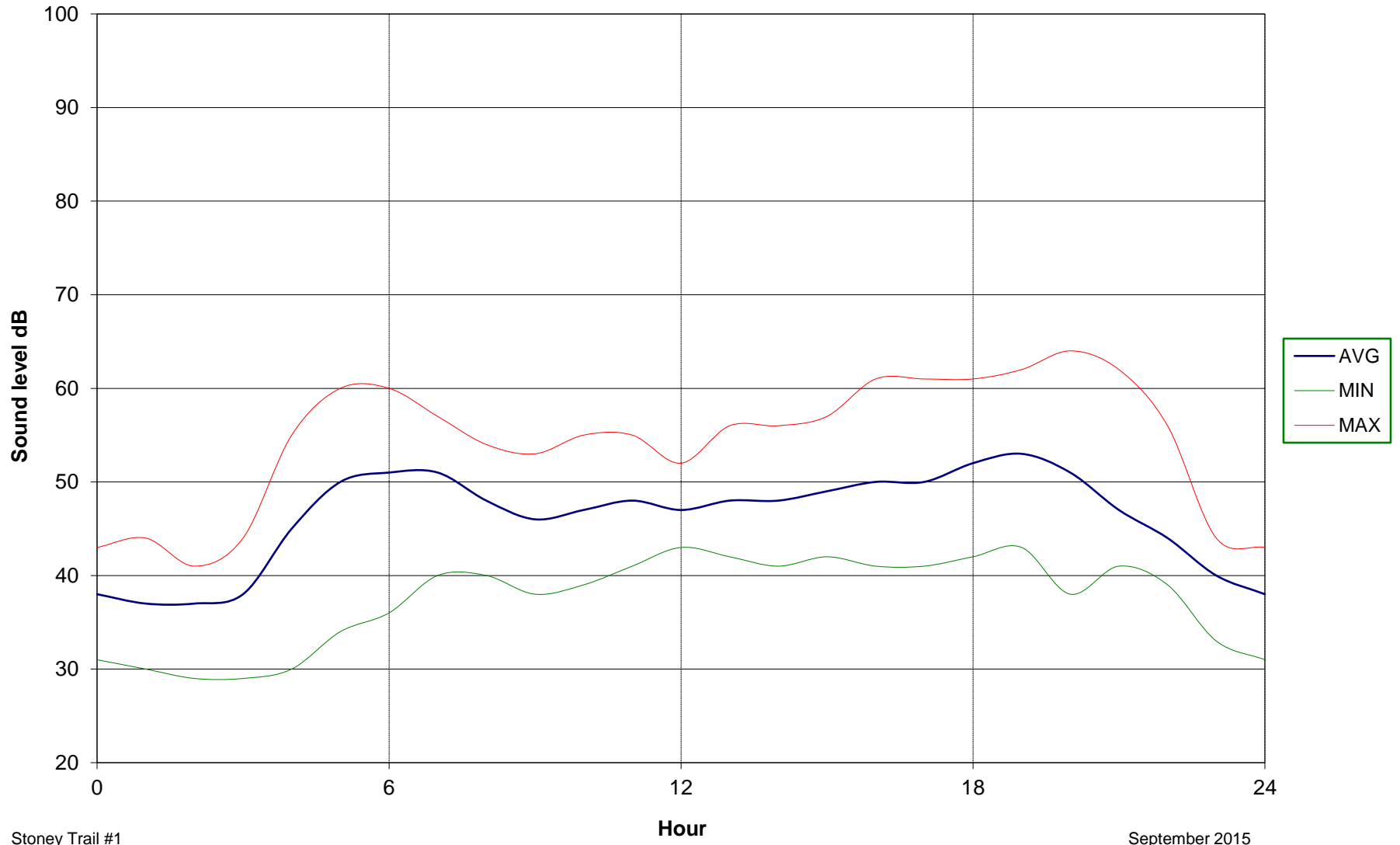
The regulation for industrial areas is 85 dB A any time.

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 6<sup>th</sup> day following the federal NAPS schedule.

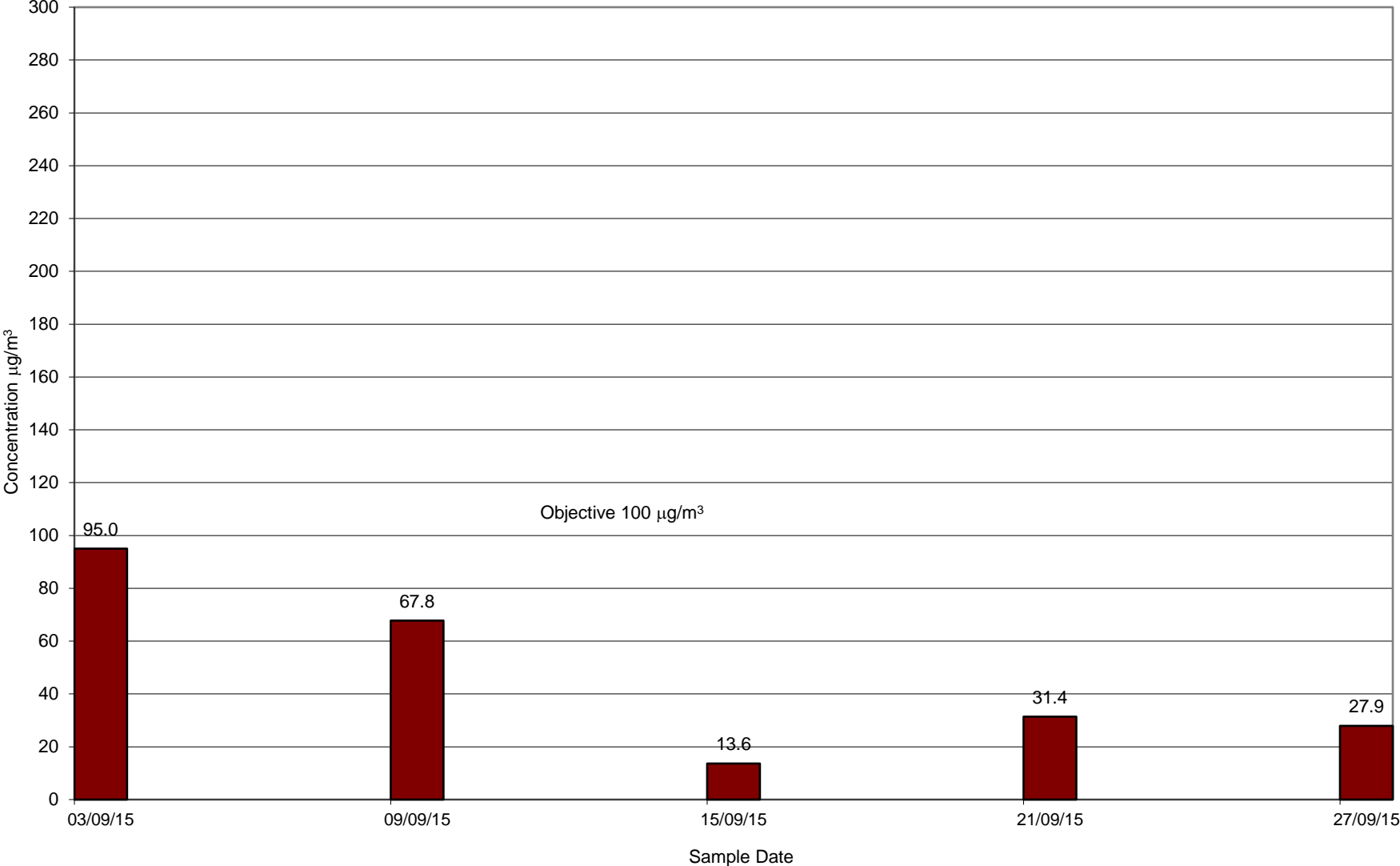
# Sound Level by Hour of the Day



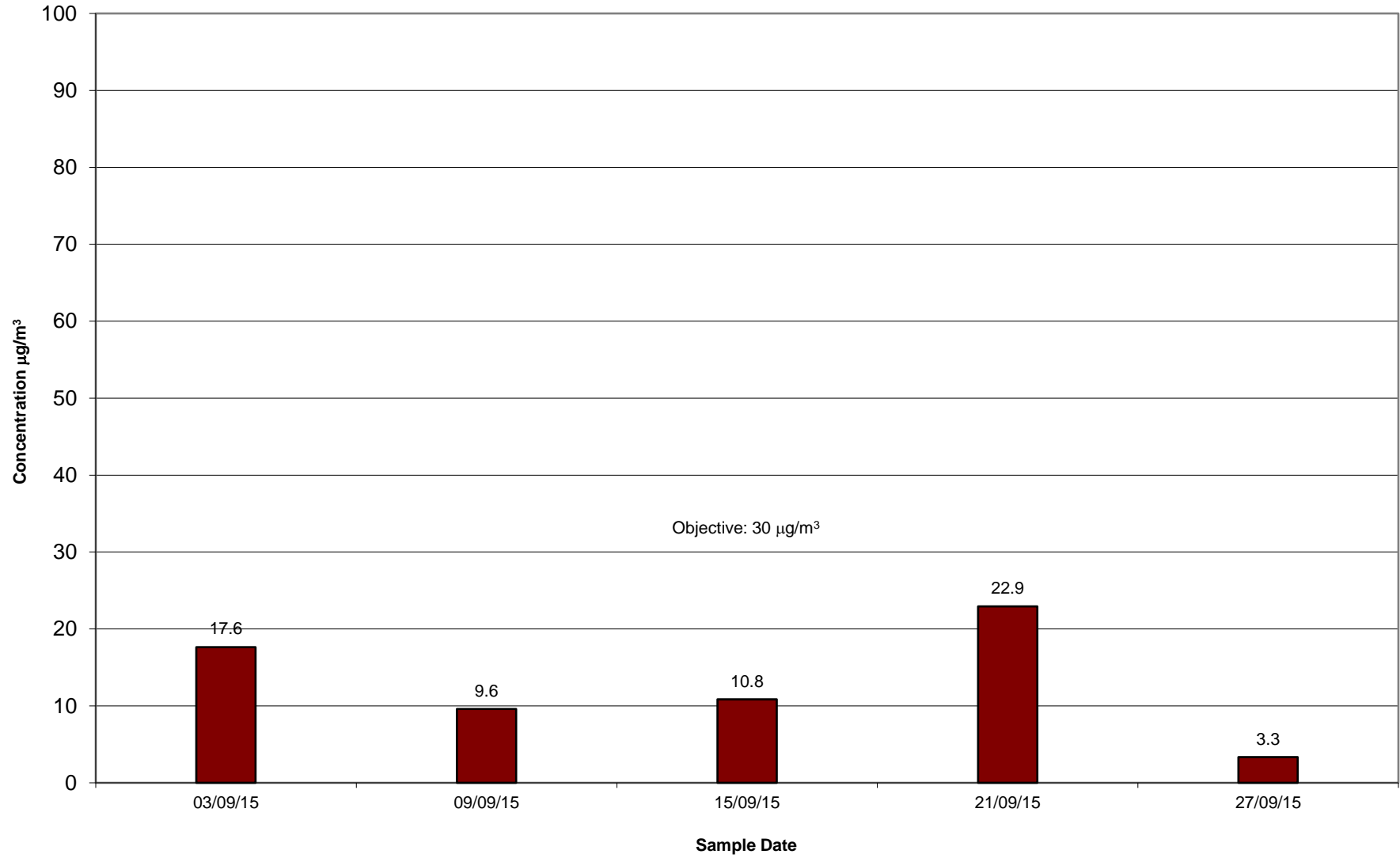
Stoney Trail #1

September 2015

TSP at BLV Group Stoney Trail #1 September 2015

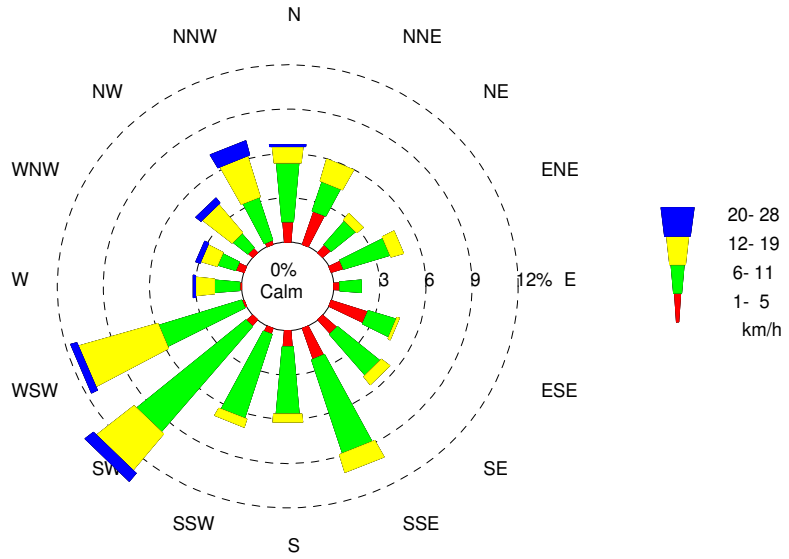


PM2.5 at BLV Group Stoney Trail #1 September 2015



Wind rose for SEP 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  
SEP 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	SSW	SSW	SSE	SE	SSE	S	SE	ENE	NNW	NNE	NE	ENE	E	S	S	SSE	WSW	WSW	WSW	SW	SW	SSW	S	S	7	13		S	0
2	S	S	SSE	SSE	S	SSE	S	S	S	SSE	SW	WNW	S	WSW	W	W	WSW	SW	SW	SW	SW	SW	WNW	NNW	11	23		S	0
3	NNW	NW	SW	SW	WSW	W	WNW	ENE	ENE	ENE	ENE	ENE	ESE	SW	NE	NNE	NE	NNE	NNE	NNE	NNW	NW	NNW	9	16		ENE	0	
4	NW	NW	NW	NW	NW	NNW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	15	20		NNW	0
5	N	N	N	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	N	N	NNE	N	N	NNW	NNW	NNW	NNW	NNW	10	13		N	0	
6	NW	NW	NW	NW	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	W	W	WSW	WSW	W	W	WSW	WSW	W	W	15	21		SVL	0	
7	W	SW	WNW	WNW	W	SW	W	WNW	WNW	WNW	WSW	WSW	SW	SW	WSW	N	SSE	N	ENE	ENE	E	SSE	SSE	SSW	9	13		WNW	0
8	SW	SW	WSW	WSW	WSW	SW	SW	SW	SSW	SSW	W	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	NW	NNW	10	14		SW	0
9	NNW	N	NW	SSW	SSW	S	SSE	SSE	SSE	SE	ESE	ESE	SE	ESE	ESE	SE	ESE	ENE	ENE	ENE	E	ESE	SSW	NW	7	9		ESE	0
10	NNW	NNW	N	NE	SSE	SSE	SSW	SSW	SSW	SSW	SSE	SSE	ENE	ESE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	S	7	11		SSE	0
11	SSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSW	WSW	WSW	11	15		WSW	0
12	WSW	WSW	WSW	WSW	WSW	W	W	WSW	WSW	WSW	SE	SE	SE	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	NNW	NNW	NNW	13	27		WSW	0
13	NNW	N	N	N	N	N	NW	S	S	ESE	SSE	SSE	SE	ESE	ESE	ENE	ESE	ESE	ESE	ESE	ENE	NNW	NNW	N	7	15		SVL	0
14	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NE	NE	ENE	ENE	E	ENE	ENE	ENE	ENE	E	ENE	N	10	14		N	0
15	E	ESE	SE	SE	SSE	SSE	S	WNW	NW	NNW	NNW	NNW	N	N	NNE	N	NNE	N	NNE	N	NNE	NNE	NNE	NNE	8	14		NNE	0
16	NNE	NNE	S	CLM	SSE	SSE	SE	ESE	ESE	SSE	SSE	S	S	E	NE	NE	ENE	ENE	E	SE	SSE	SSE	SSE	N	5	15		S	0
17	ESE	SSW	SW	SW	SW	SW	SW	SW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SSW	S	SSW	9	13		SW	0
18	SSW	SW	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	12	20		SW	0
19	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	15	21		SW	0
20	SSW	SSE	SSW	SSW	S	S	SSE	SSE	S	NE	NNE	NNE	NE	NNE	NNE	NE	NE	NNE	N	NNW	NNW	NNW	NNW	NNW	12	22		NNE	0
21	NNW	NNW	NNW	NNW	WNW	WNW	SSW	W	W	NNW	NNW	N	NNE	NE	ENE	ENE	ENE	ENE	ENE	E	E	E	ESE	N	10	24		ENE	0
22	ESE	ESE	SE	SE	SE	ESE	SE	SSE	SSE	SSE	SE	SE	ESE	ENE	NE	NE	ENE	NE	NE	NNE	NNE	NNE	NNE	NNE	8	15		SE	0
23	N	CLM	N	SW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	SE	ESE	SE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	7	12		SW	0
24	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SSW	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	9	14		SSE	0
25	SSE	SSE	S	SSW	SSW	SSW	S	SW	WNW	NNW	N	NNW	N	N	N	NNE	NNE	N	NNE	NNE	NNE	NNE	NNE	NNE	10	22		N	0
26	NNE	NNE	NE	ENE	E	ESE	ESE	NNW	NNE	N	NNW	W	SSW	SW	S	SSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	7	18		WSW	0
27	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	11	17		WSW	0
28	SSE	SSE	S	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	11	16		SSE	0
29	SSW	SW	SW	WSW	WSW	W	W	WSW	WSW	WNW	NNW	NNW	ENE	ENE	ENE	SE	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	10	15		WSW	0
30	SSW	SW	WSW	WSW	WSW	W	WNW	NE	ESE	SE	SE	ESE	ESE	E	ESE	ESE	SE	SE	SE	SE	SE	SSE	SSE	SSE	6	10		ESE	0

MEAN  
SPEED 9 9 9 9 10 9 8 9 10 10 10 10 11 11 11 10 9 9 9 9 9 9 10 27 SW 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  
SEP 2015

SPEED [km/h]	WIND DIRECTION																TOTAL	PCT							
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW									
< .5																								2	0
1- 5	10	17	5		3	18	9	16	8	3	4	1	1	4	3	2	110	15							
6- 11	29	15	15	23	10	14	26	48	33	43	67	41	12	9	22	416	58								
12- 19	8	11	4	6	0	1	5	9	4	4	23	39	9	8	18	21	170	24							
20- 28	1	0	0	0	0	0	0	0	0	0	5	3	1	2	3	7	22	3							
TOTAL	48	43	24	35	13	33	40	73	45	50	99	84	23	23	33	52	720	100							
PERCENT	7	6	3	5	2	5	6	10	6	7	14	12	3	3	5	7									
AVERAGE	9	8	8	9	8	6	8	8	8	8	11	12	11	12	14	13	10								

PRECIPITATION [mm]  
 BLV Group  
 Stoney Trail 1  
 STATION 620  
 SEP 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.2	
5	.6	.7	.5	.7	.8	.9	.6	.4	.6	1.4	1.2	1.4	.8	1.3	1.5	2.4	2.8	2.7	1.4	0	0	0	0	0	22.7	
6	0	0	.3	.2	1.6	1.4	1.4	1.0	.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.1	
7	0	0	.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.9	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	.2	0	0	.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	1.8	0	.2	.2	.3	.2	.3	.4	.4	.2	.9	0	0	1.1	0	0	.5	.3	.4	.8	1.4	.8	10.6	
15	.5	.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.8	
16	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	
17	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	
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	.3	1.8	1.1	3.2
21	2.3	.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.7	
22	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	
23	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	
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	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	.2	0	0	1.0	1.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.6	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTL	3.6	1.4	3.0	1.2	2.7	2.9	2.6	1.6	2.3	3.3	1.6	1.6	1.8	1.7	5.6	3.9	3.8	6.1	3.2	1.2	1.4	3.0	4.3	3.4		
MAX	2.3	.7	1.8	.7	1.6	1.4	1.4	1.0	1.0	1.4	1.2	1.4	.9	1.3	3.9	2.4	2.8	3.1	1.4	.9	1.0	1.6	1.8	1.4		

Percent of time operational: 100  
 Monthly Total: 67      Maximum in an hour: 3.9  
 Year to Date: 305      M - missing data



TRAILER TEMPERATURE  
 BLV Group  
 Stoney Trail 1  
 STATION 620  
 SEP 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	11	10	8	7	6	6	6	11	15	17	19	21	23	25	24	22	23	22	20	18	15	14	12	11	15
2	10	10	9	9	8	7	7	9	13	18	21	23	25	24	20	18	19	19	18	15	11	10	8	8	14
3	6	5	5	4	4	5	5	7	11	14	17	17	17	15	13	15	16	17	15	12	10	8	8	11	
4	7	6	6	5	4	3	3	4	5	6	7	8	8	7	7	6	6	6	6	6	6	6	6	6	6
5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	6	5	4	3	3	2	2	5	
6	2	2	2	2	2	2	2	3	3	4	6	7	9	9	9	9	9	8	8	7	7	7	6	6	
7	6	6	6	6	6	6	6	6	8	9	11	13	15	16	16	13	14	17	15	13	11	8	7	10	
8	5	5	5	6	6	7	7	8	9	11	12	15	17	17	18	18	18	16	15	13	12	11	10	11	
9	8	8	8	8	8	8	8	9	12	13	15	18	19	21	23	22	21	20	18	15	13	11	10	14	
10	8	8	7	6	6	6	6	9	12	16	18	20	22	23	24	25	25	24	22	18	15	13	12	15	
11	11	11	11	12	12	11	11	13	16	19	22	24	25	26	27	29	29	29	26	22	19	17	16	19	
12	17	17	17	16	16	16	16	18	20	23	26	28	29	29	29	30	31	29	26	22	20	17	14	22	
13	11	10	11	11	11	10	10	10	10	10	11	13	13	15	15	14	14	13	12	11	10	10	9	11	
14	8	7	7	7	6	6	5	5	5	5	5	6	6	7	8	8	8	8	7	6	7	8	7	7	
15	6	6	6	6	7	7	7	7	9	10	12	13	15	16	16	16	15	13	11	8	7	6	6	9	
16	5	5	4	4	4	4	4	5	6	8	11	13	15	15	14	13	12	11	10	7	5	4	3	8	
17	1	1	1	2	2	1	2	4	8	11	14	16	17	17	18	18	18	16	13	11	9	9	8	9	
18	6	5	5	5	5	5	4	7	11	14	16	17	17	18	19	20	19	18	15	12	11	10	9	12	
19	9	9	9	9	9	10	9	11	14	16	17	19	20	20	19	17	17	18	16	15	14	14	14	14	
20	13	12	12	13	13	12	12	12	15	20	22	21	22	22	23	23	23	22	19	14	11	10	9	16	
21	7	6	5	4	3	3	2	2	4	8	10	11	12	13	14	13	12	11	9	8	7	7	6	8	
22	6	6	6	6	6	6	6	6	8	10	13	15	17	18	19	20	20	18	15	12	9	7	6	11	
23	5	4	3	3	3	3	4	5	7	11	14	17	19	20	21	23	23	22	19	15	13	11	11	12	
24	11	11	11	10	10	9	9	9	10	11	13	15	15	14	14	17	20	21	19	16	13	12	11	13	
25	11	10	10	10	9	9	9	9	13	18	21	19	18	17	16	16	15	15	12	9	7	7	7	12	
26	8	8	7	7	7	7	7	6	7	7	8	11	13	15	17	18	19	17	14	11	9	8	8	10	
27	6	5	5	4	4	4	4	5	8	11	14	16	17	17	17	16	14	13	11	10	8	6	5	9	
28	2	1	1	2	2	2	2	3	6	11	14	16	18	18	19	19	19	18	14	11	9	8	7	9	
29	5	5	6	6	7	8	8	10	13	16	19	21	21	21	21	20	19	19	16	13	11	10	9	13	
30	8	8	8	8	8	8	8	9	13	18	20	22	23	24	24	25	24	23	19	15	13	11	10	15	
AVG	7	7	7	7	7	7	7	8	10	12	14	16	17	18	18	18	18	17	15	12	10	9	9	8	
MAX	17	17	17	16	16	16	16	18	20	23	26	28	29	29	30	31	29	26	22	20	17	16	17	17	
MIN	1	1	1	2	2	1	2	2	3	4	5	6	6	7	7	6	6	5	4	3	3	2	2	2	

Percent of time operational: 100      M - missing data  
 Monthly Average: 12      Monthly Maximum: 31      Monthly Minimum: 1