



## MONTHLY REPORT SUMMARY

Stoney Trail #1

BLV Group

Name/Location

Company

June 2015

Monitoring Period

Continuous Ambient Monitoring				
Parameter	% Time Operational	Average	Maximum	Number of Hours above Industrial Standards
Sound dB A	100%	48	62	0
PM2.5 $\mu\text{g}/\text{m}^3$	80%	14.5	18.1	0
TSP $\mu\text{g}/\text{m}^3$	100%	77.3	137.6	1
Wind Speed km/h	100%	10	28	-
Precipitation mm	100%	-	4.5	-
Trailer Temperature	100%	17	34	-

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

### COMMENTS:

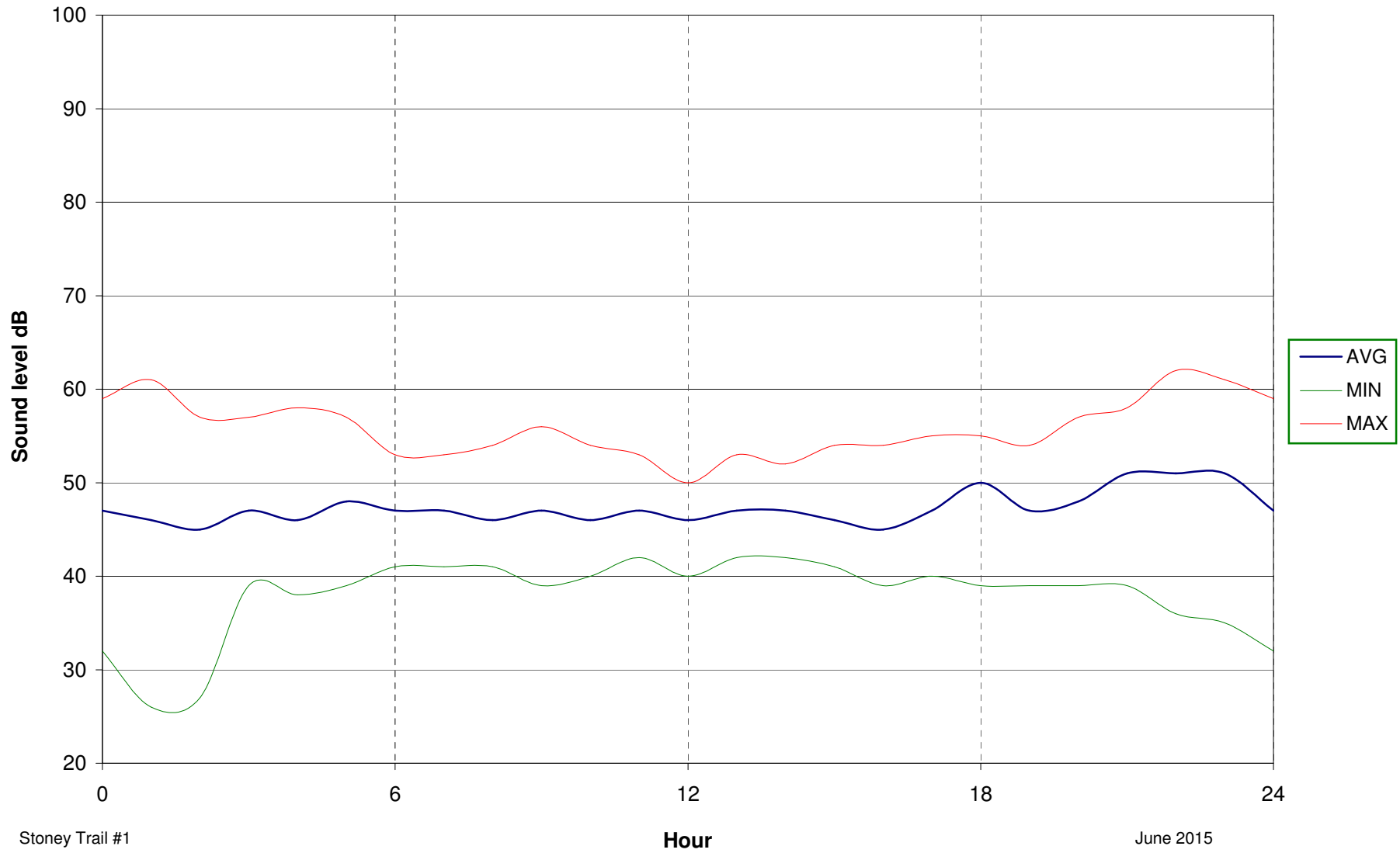
The regulation for industrial areas is 85 dB A any time.

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

# Sound Level by Hour of the Day



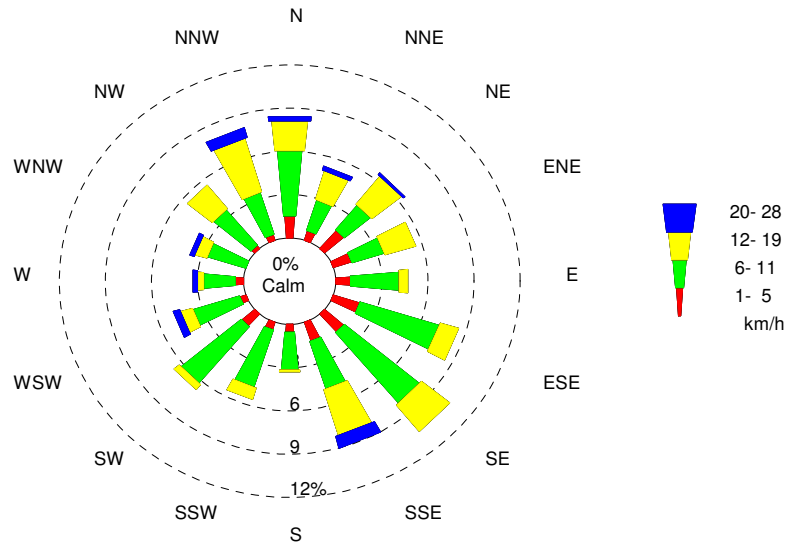
Stoney Trail #1

Hour

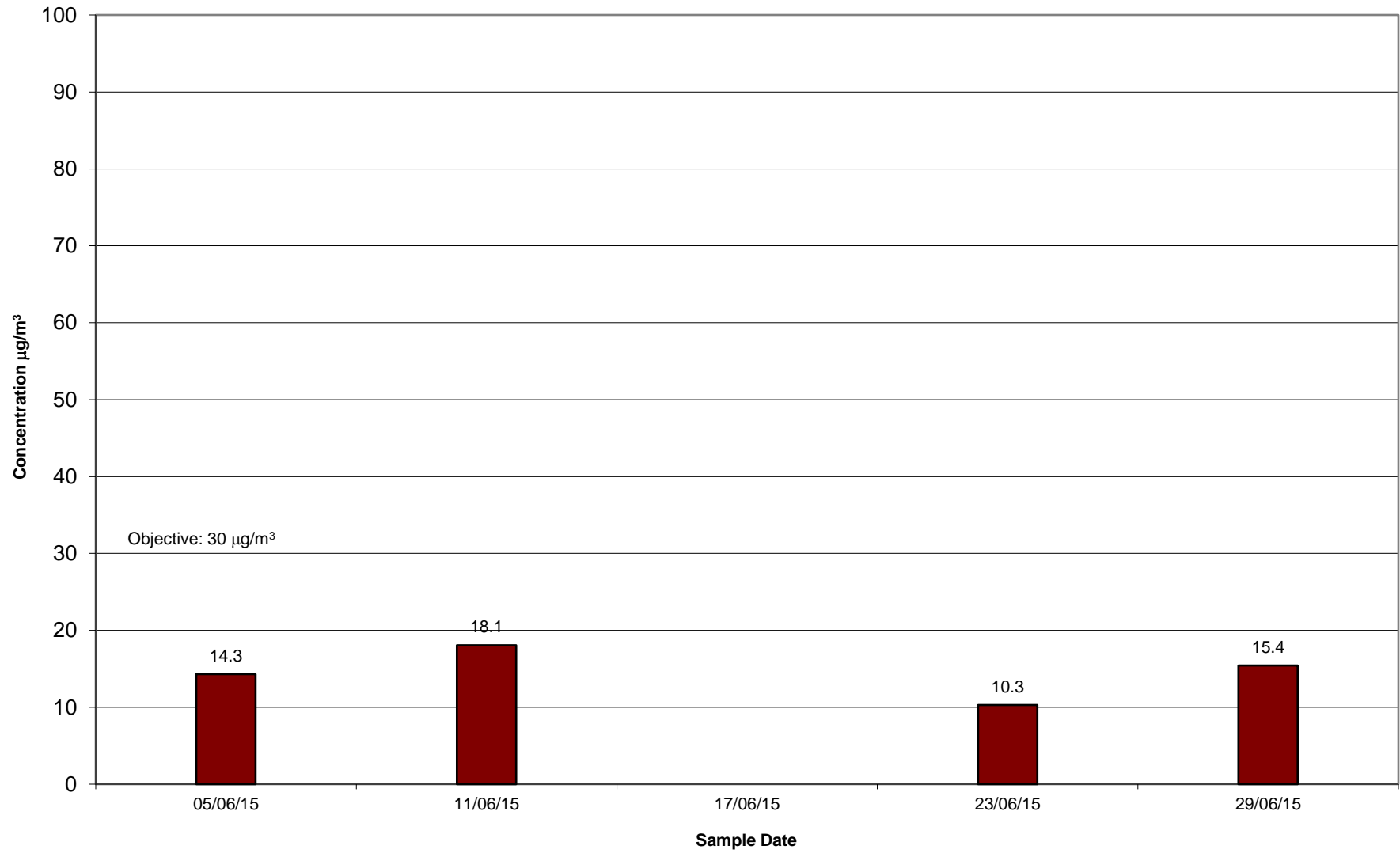
June 2015

Wind rose for JUN 2015  
Stoney Trail 1

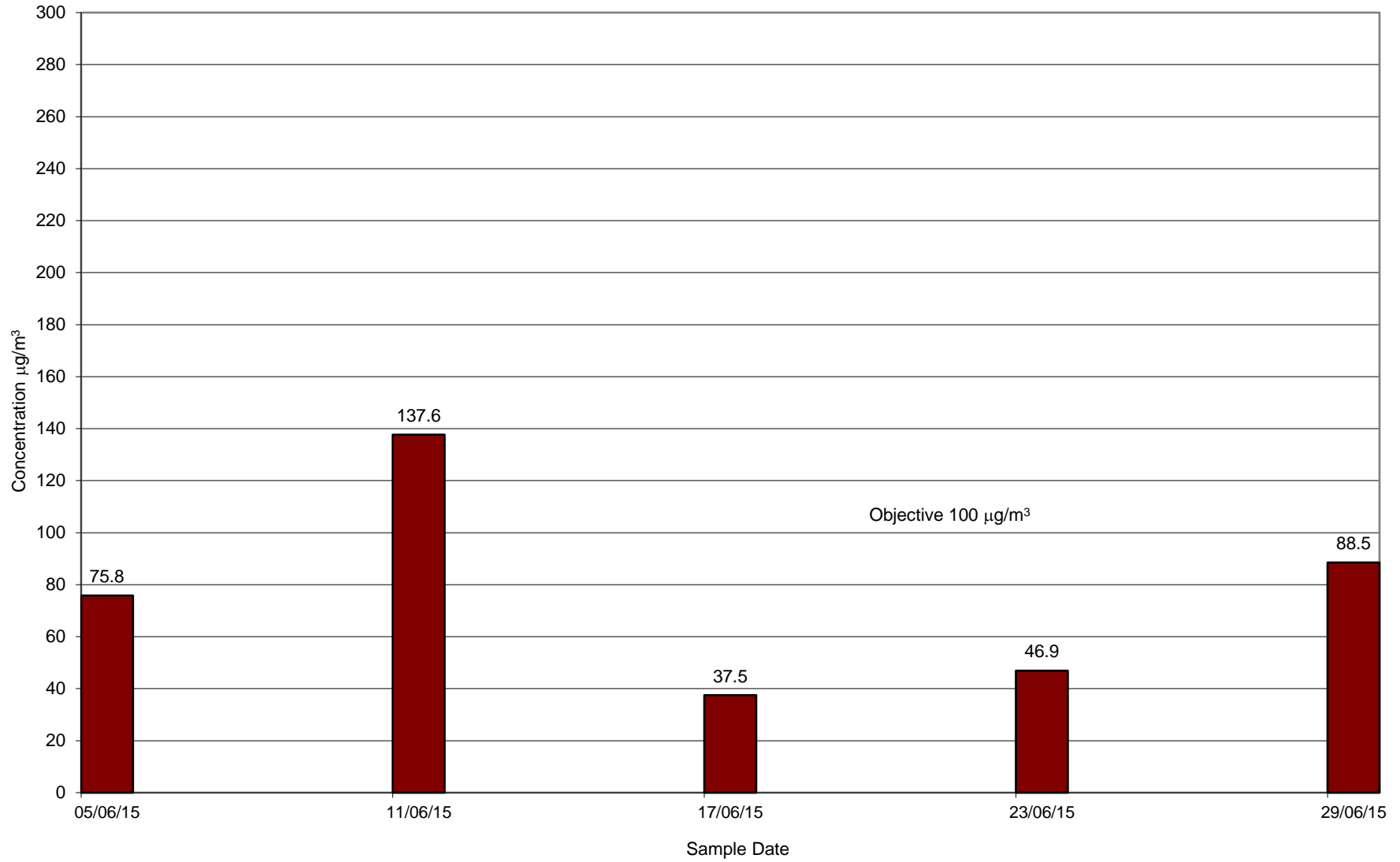
Bar length is proportional to frequency of winds from its direction



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



TSP at BLV Group Stoney Trail #1 June 2015



SOUND LEVEL [dBA] Leq 1 hour  
BLV Group  
Stoney Trail 1  
STATION 620  
JUN 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	36	35	37	44	41	50	47							53	51	46	43	47	45	45					46	
2		34	36	43	44	50	48	47	47	C	49	49													46	
3					54	47	47	49			51	49	49			54	44	41	42	47	53	53	54	54	50	
4	54	53	53	44	43	49	44	46	45	47	47	49	51	52							50	53	51	58	50	
5	56	48	46	43	43	45	44	46		42	45	47	45		49	48	47				54	55	61	61	51	
6	52	45	42		40			45	45		45	47	46	44	44	48	52	52	46		40	36	35	46	46	
7	36	34	34	41	39	43	44	44	41	39	40	42	40	42	43	41	41	40			49	36	35	41	41	
8	32		33	41	41	46	43	46			47	45									49	50	55	46	46	
9	49	61	52	46	46	51					48	45	46	46	46	45					45	44	43	39	48	
10	36	38	48	57	58	57	53	53											55		55	57	60	54	54	
11	54	55	57	45	45	49	46	44	44	41	43	45	50		47	43								49	49	
12		41	39	45	40	41	41	45						44	44		54		47	45	45			42	45	
13	40	37	39	43	41	45	42	44	43	43		46									41	43	43	37	42	
14	39	36																			47	49	54	37	46	
15	32	26	32	41	38	51	44	48	49	51	51	52		52				50	54	54				48	49	
16	41	41	42	43	45	47	45	44	41	40	40	43	44	44		45	44								45	45
17	42	45	43	47	44	46	45														51	54	54	55	50	
18	55		53	55					54	51	49	47	47			44		45	44	44	46	47	46	41	49	
19	43	51	48	47	45	51	53	51	49	52	45														49	
20		46	49	49	48	46	44	44	43	43	43	43	43	43	42							39	41	41	45	
21	39	40	37		39	41	41	48	51	54	51	44		48	45	44	44	44	44	46	46	57	58	62	45	
22	42	40	37	44	46	49	50	47	42	41	42	46	47	47	47	46	44	46			57	58	62	60	50	
23				49	45	48	46	48	46			47	45		46					45	46	47	48	47	49	47
24	39	33	35	50	44	49	48	46	45	42	43	44	46	46	49			55	55	51	49	51	47	46	48	
25	52	53	53	55	54	49	47	45	45	45	45	46	46	47	48	47	44				54	58	59	58	52	
26	41	40	40	53	42	52	47				49									49	53	55			49	
27	59	53	50	47	43	43				44	42	43	44	44		42	39	41	39	39	39	40	41	38	41	46
28	35	32	34	41	40										45	43				41	39	39	41	40	40	
29	38	38	35	39	45	47	49	49	47	56	48			44	45	45		43	42	42	41	41	40	45	45	
30	36	30	27	45	40		47	45										39	44		46	45	49	41	41	43
AVG	47	46	45	47	46	48	47	47	46	47	46	47	46	47	47	46	45	47	50	47	48	51	51	51		
MAX	59	61	57	57	58	57	53	53	54	56	54	53	50	53	52	54	54	55	55	54	57	58	62	61		
MIN	32	26	27	39	38	39	41	41	41	39	40	42	40	42	42	41	39	40	39	39	39	39	36	35		

\*\*\* SOUND DATA REPORTED ONLY FOR WIND SPEED < 11.5 KM/H \*\*\*

Percent of time operational: 100 M - missing data  
 Monthly Average: 48 Monthly Maximum: 62 Monthly Minimum: 26 C - Calibration  
 Median: 45.4  
 \*\*\* No Exceedances of Guideline \*\*\*

SOUND METER CALIBRATIONS

DATE	TIME	STANDARD	RESPONSE	ERROR
JUN 2, 2015	9	94.0	93.9	-.1

ABSTRACT OF THE WIND  
 BLV Group  
 Stoney Trail 1  
 STATION 620  
 JUN 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	N	NNW	N	N	SSE	SSE	S	SSE	SSE	SE	SE	SSE	SE	ESE	ESE	ESE	ENE	SW	NW	NNE	NE	NE	NNE	10	19	SSE	0					
2	NNE	N	N	N	N	N	N	NNE	NE	E	ESE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	14	23	SSE	0					
3	SSE	SSE	SSE	SE	SE	SE	ESE	E	E	E	E	ENE	E	ENE	ENE	ESE	E	ENE	ENE	NE	CLM	CLM	NE	NE	9	17	E	0				
4	NNE	N	NNE	N	W	W	NNW	N	NNE	NE	NE	E	SSE	ESE	SSE	SW	N	NE	NE	ENE	NE	SE	SSW	NE	7	19	NE	0				
5	ESE	SE	SW	WSW	WSW	WSW	W	NW	NNW	NNW	N	NE	N	NNE	NE	NE	ENE	ENE	E	NE	NE	ENE	E	SE	8	13	NE	0				
6	SSW	SSW	WSW	WSW	WSW	W	NNW	NNW	N	NNE	NNE	NE	NE	N	SE	E	SE	SE	ESE	E	E	CLM	SE	2	8	13	SE	0				
7	SSW	W	NW	NW	NW	NNW	NNW	N	NE	ENE	ESE	SE	ESE	E	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	S	SW	8	13	SE	0			
8	WSW	WSW	WSW	WSW	SW	SSW	S	SSW	SSW	S	SSW	SW	WSW	WSW	W	N	N	NNE	NNE	N	N	N	NE	NE	13	28	WSW	0				
9	S	SSE	ENE	E	E	NE	NE	ENE	ENE	E	E	ESE	ESE	E	E	E	ENE	NE	NNE	N	N	NNE	NE	11	17	E	0					
10	NE	ENE	E	E	ESE	ESE	SE	SE	SE	ESE	E	ESE	ESE	ESE	SE	SE	ESE	ESE	SE	SE	SSE	SSE	ESE	ENE	10	19	ESE	0				
11	ENE	ENE	SE	NW	NNW	N	S	SSW	SSW	S	SE	SE	ESE	ESE	SE	SE	SW	W	W	WNW	WNW	NNW	NNW	NNW	11	28	SVL	0				
12	NNW	NNW	NW	NW	NNW	NNW	NNW	N	N	NNW	NNW	NNW	NNW	NW	NNW	SSE	S	NW	SSW	SSW	SW	WSW	WNW	WNW	10	26	NNW	0				
13	WSW	SSW	SSW	SSW	SSW	SSW	SW	SW	NNW	N	N	NNE	N	N	NNW	NNW	NW	NW	NW	NW	NW	NW	NW	NNW	11	19	NW	0				
14	WNW	W	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	N	N	13	17	SVL	0			
15	NW	W	SW	SSW	E	ENE	SE	SE	ESE	ESE	SE	SE	SE	SE	ESE	ESE	SE	SE	SE	SE	SSE	SE	SSE	SSE	8	15	SE	0				
16	SSE	SSE	SSE	SSW	SSW	SSW	SW	WSW	WSW	WSW	NW	NNW	NW	W	S	SSE	N	N	NNE	N	N	N	NNW	N	9	15	N	0				
17	NW	WNW	NNW	NNW	NNW	N	N	NNE	NNE	NE	NE	ENE	ENE	ENE	NE	NE	NE	ENE	E	ESE	ESE	SE	SE	SE	11	17	NE	0				
18	SE	SSE	SSE	SE	SE	SE	SSE	SSE	SSE	SE	ESE	ESE	S	WNW	W	SSW	SSW	SSW	SSW	SW	NNW	NNW	NNW	NNW	10	16	SVL	0				
19	W	SW	SW	WSW	SSE	ENE	ESE	ESE	ESE	SE	SW	W	WSW	SW	SW	WSW	WSW	WSW	WNW	NNW	NNW	NNW	NNW	NNW	12	21	WSW	0				
20	NNW	NW	W	SW	SSW	SSE	SE	ESE	ESE	SE	SE	ESE	ESE	SE	SSE	N	NNE	NNE	NE	NE	NNE	ESE	WNW	NNW	10	22	ESE	0				
21	NNE	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	W	WSW	WSW	SW	WSW	SW	W	W	W	W	W	WSW	W	NW	N	8	14	W	0				
22	SSE	SSW	SSW	SW	SW	SW	SSW	SSW	SW	NW	N	N	N	NNE	SE	ESE	ENE	E	SE	ESE	ESE	NE	NE	NE	7	16	SW	0				
23	NNE	NNE	NNE	NW	WSW	SW	SSW	S	SSE	SSE	SE	SE	SSE	SSW	SSW	W	NNE	NNE	NNE	N	N	SSW	N	SSW	11	19	NNE	0				
24	SW	SW	SW	SW	SW	SW	WSW	SSW	S	S	SE	SE	ENE	ESE	SE	SE	SE	SE	SE	SE	SSE	SSE	S	S	8	14	SVL	0				
25	S	S	N	ENE	SSE	WSW	NW	NW	NNW	NNE	NE	ENE	NNE	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SW	8	16	SSE	0				
26	SW	WSW	WSW	SW	WSW	WNW	NNW	NNW	N	N	NNE	ENE	ENE	E	ESE	ESE	ESE	SE	SE	SSE	SSE	SE	SSE	SSE	11	14	SSE	0				
27	SSE	SW	N	WNW	WNW	NW	NNW	NNW	N	NNE	NNE	NE	ENE	ENE	E	ESE	SE	SE	SE	SE	SSE	SSE	S	S	9	13	SVL	0				
28	S	SW	W	WNW	WNW	NW	NNW	NNW	NNW	N	N	NNE	NE	NE	NE	NE	ENE	ENE	NE	NE	ENE	ENE	ENE	ENE	13	19	SVL	0				
29	E	ESE	ESE	SE	ESE	SE	SE	ESE	ESE	E	ESE	NNE	NE	ENE	ESE	ESE	SE	ESE	ESE	ESE	E	E	ESE	S	8	17	ESE	0				
30	WSW	SW	SW	NW	WNW	WNW	NNW	NNW	NNW	NNW	N	N	N	NNE	NE	NE	NE	NE	NNE	NNW	NW	SW	SW	11	20	NNW	0					
MEAN																									10	28	SE	0				
SPEED	8	7	7	8	8	8	8	10	11	11	11	11	11	11	12	12	12	12	12	13	13	12	10	9	8	7	10	28	SE	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  
 JUN 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																										3	0
1- 5	11	5	12	9	7	13	12	10	4	4	8	3	4	0	2	3	107	15									
6- 11	33	16	16	16	23	39	46	25	19	30	37	23	15	19	23	22	402	56									
12- 19	15	15	18	15	4	9	17	24	1	6	3	6	3	6	15	28	185	26									
20- 28	2	2	1	0	0	0	0	6	0	0	0	3	2	2	0	5	23	3									
TOTAL	61	38	47	40	34	61	75	65	24	40	48	35	24	27	40	58	720	100									
PERCENT	8	5	7	6	5	8	10	9	3	6	7	5	3	4	6	8											
AVERAGE	10	12	11	10	9	8	9	12	8	9	8	11	10	11	11	13	10										

PRECIPITATION [mm]  
 BLV Group  
 Stoney Trail 1  
 STATION 620  
 JUN 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	.2	.6	1.0	1.6	.8	0	0	0	0	0	0	.3	0	0	0	0	0	0	0
4	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
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	0	0	0	0	0
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	0	0	0	1.0	1.6	0	0	0	0	0	4.4	.2	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	2.3	.3	.2	0	.3	0	0	0	0	0	0	0	0
14	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
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	0	0	0	0	0	0	0	0	0	0	0	0	.6	1.1	0	0	0	.3	.4	2.4
17	0	0	0	0	0	0	0	0	0	0	.6	1.5	1.0	1.6	1.6	.8	.2	.2	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	.3	0	0	0	0	2.2	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	.9	.6	.9	.3	0	0	0	0	.6	1.3	0	.5	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	.2	0	0	1.7	0	0	0
TOTL	0	0	.9	.6	1.0	.6	.6	1.0	1.6	1.7	3.1	4.1	4.0	2.4	3.2	.2	.9	5.3	1.5	0	1.7	0	.5	4.9	
MAX	0	0	.9	.6	.9	.3	.6	1.0	1.6	.8	1.5	1.6	2.3	1.6	2.2	.2	.3	4.4	1.1	0	1.7	0	.3	4.5	

Percent of time operational: 100  
 Monthly Total: 40      Maximum in an hour: 4.5  
 Year to Date: 80      M - missing data



TRAILER TEMPERATURE  
 BLV Group  
 Stoney Trail 1  
 STATION 620  
 JUN 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	9	8	7	8	11	15	18	20	21	22	23	24	26	26	25	23	21	19	17	16	15	14	17
2	13	12	12	11	10	10	10	10	11	13	14	16	17	17	16	14	14	14	13	12	11	11	10	10	13
3	9	9	9	9	9	9	10	10	11	11	12	13	14	15	17	16	15	15	15	14	13	12	11	11	12
4	10	9	8	7	7	7	10	14	17	19	21	22	21	22	22	21	23	20	19	17	15	13	12	11	15
5	9	8	8	8	8	9	12	15	18	20	21	23	22	22	24	25	25	26	25	23	20	17	14	13	17
6	13	12	13	13	14	14	14	17	19	21	23	24	25	26	28	29	30	30	29	26	23	19	16	15	20
7	14	13	13	13	13	13	15	18	21	24	26	27	27	28	29	28	27	28	29	28	25	22	19	17	22
8	16	16	17	17	16	17	20	23	26	28	29	31	31	31	32	32	32	30	28	25	21	18	16	13	24
9	12	12	13	14	12	12	15	17	19	21	22	24	25	25	26	26	25	24	22	20	18	17	16	15	19
10	15	13	12	11	11	12	15	17	20	21	22	23	24	25	26	26	27	27	25	23	21	19	17	16	20
11	15	14	12	11	11	11	14	17	20	23	26	28	29	29	30	30	28	27	27	26	24	20	17	14	21
12	13	11	10	10	10	11	11	12	12	11	8	7	8	12	14	16	16	13	10	9	8	8	7	7	11
13	6	6	5	5	4	5	6	8	10	12	15	17	17	14	14	13	13	12	11	10	9	8	7	10	
14	6	6	6	6	6	6	7	9	10	10	11	14	14	15	16	16	16	17	16	15	13	10	8	8	11
15	7	7	7	7	6	7	9	12	15	17	18	18	19	20	20	21	21	22	21	18	15	13	12	10	14
16	9	8	8	7	7	8	11	15	18	21	23	25	26	26	27	28	28	25	21	20	17	15	13	12	17
17	11	10	10	10	10	10	11	11	11	11	11	11	11	11	12	12	12	11	11	11	11	10	10	10	11
18	10	10	10	10	11	11	11	12	13	13	15	18	19	17	15	17	19	21	22	21	18	15	13	12	15
19	11	10	10	10	10	11	11	14	18	20	22	19	17	20	22	23	23	23	23	21	17	13	11	10	16
20	8	7	6	6	5	7	9	13	16	18	19	20	21	22	21	21	20	20	17	15	13	12	11	9	14
21	8	8	8	8	8	8	8	9	11	14	15	14	14	14	17	19	19	20	19	17	13	11	9	13	
22	8	8	7	7	7	9	12	15	18	20	22	23	24	25	25	26	27	28	26	24	21	18	15	13	18
23	12	12	11	11	10	11	14	16	18	19	21	22	24	24	22	19	21	23	23	22	19	16	14	12	17
24	11	10	10	10	10	11	14	17	20	22	24	26	27	27	27	28	27	25	23	21	19	17	16	16	19
25	16	15	14	14	13	14	15	18	21	24	26	27	28	29	30	32	32	32	31	28	25	22	19	18	23
26	18	17	17	16	16	17	20	22	24	25	27	28	28	29	29	31	32	32	32	31	28	24	21	20	24
27	18	17	16	15	15	17	19	21	24	26	28	29	30	31	31	32	30	30	29	27	26	23	21	20	24
28	19	17	17	17	18	19	21	24	25	27	29	30	31	31	32	33	34	33	32	30	28	25	23	21	26
29	20	19	19	19	19	20	20	21	21	22	22	21	21	21	22	23	24	23	23	24	22	20	19	18	21
30	18	17	17	16	16	16	17	18	19	21	22	24	25	25	26	27	25	23	23	21	19	18	17	16	20
AVG	12	12	11	11	11	11	13	15	17	19	21	21	22	23	23	24	24	23	22	21	18	16	14	13	
MAX	20	19	19	19	19	20	21	24	26	28	29	31	31	31	32	33	34	33	32	31	28	25	23	21	
MIN	6	6	5	5	4	5	6	8	10	10	8	7	8	11	12	12	12	11	10	9	8	8	7	7	

Percent of time operational: 100  
 Monthly Average: 17      Monthly Maximum: 34      M - missing data  
 Monthly Minimum: 4