



MONTHLY REPORT SUMMARY

Stoney Trail #1

BLV Group

Name/Location

Company

August 2015

Monitoring Period

Continuous Ambient Monitoring				
Parameter	% Time Operational	Average	Maximum	Number of Hours above Industrial Standards
Sound dB A	100%	45	61	0
PM2.5 $\mu\text{g}/\text{m}^3$	100%	34.4	76.5	2
TSP $\mu\text{g}/\text{m}^3$	100%	77.2	142.2	2
Wind Speed km/h	100%	10	33	-
Precipitation mm	100%	-	7.3	-
Trailer Temperature	100%	18	35	-

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

COMMENTS:

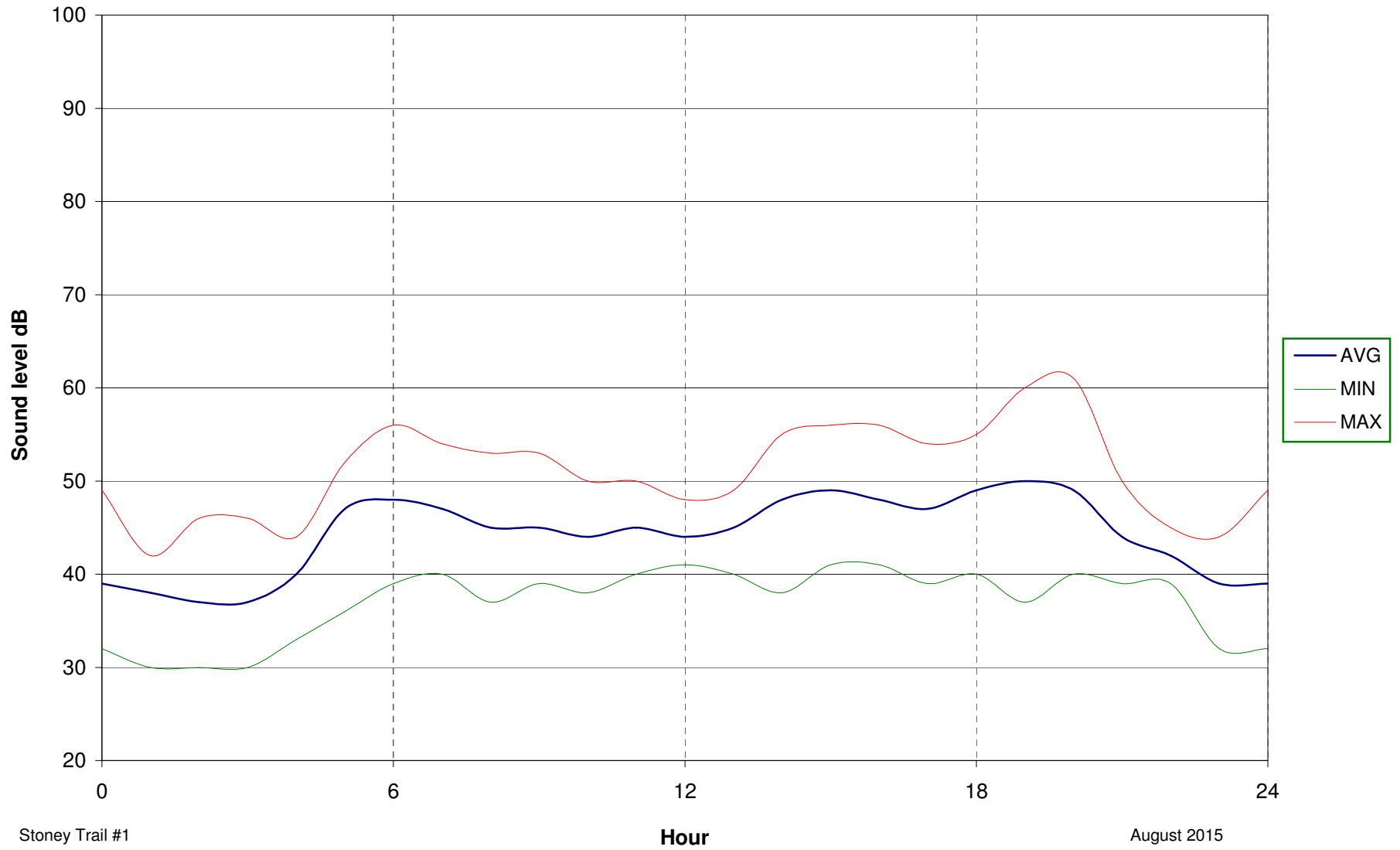
The regulation for industrial areas is 85 dB A any time.

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

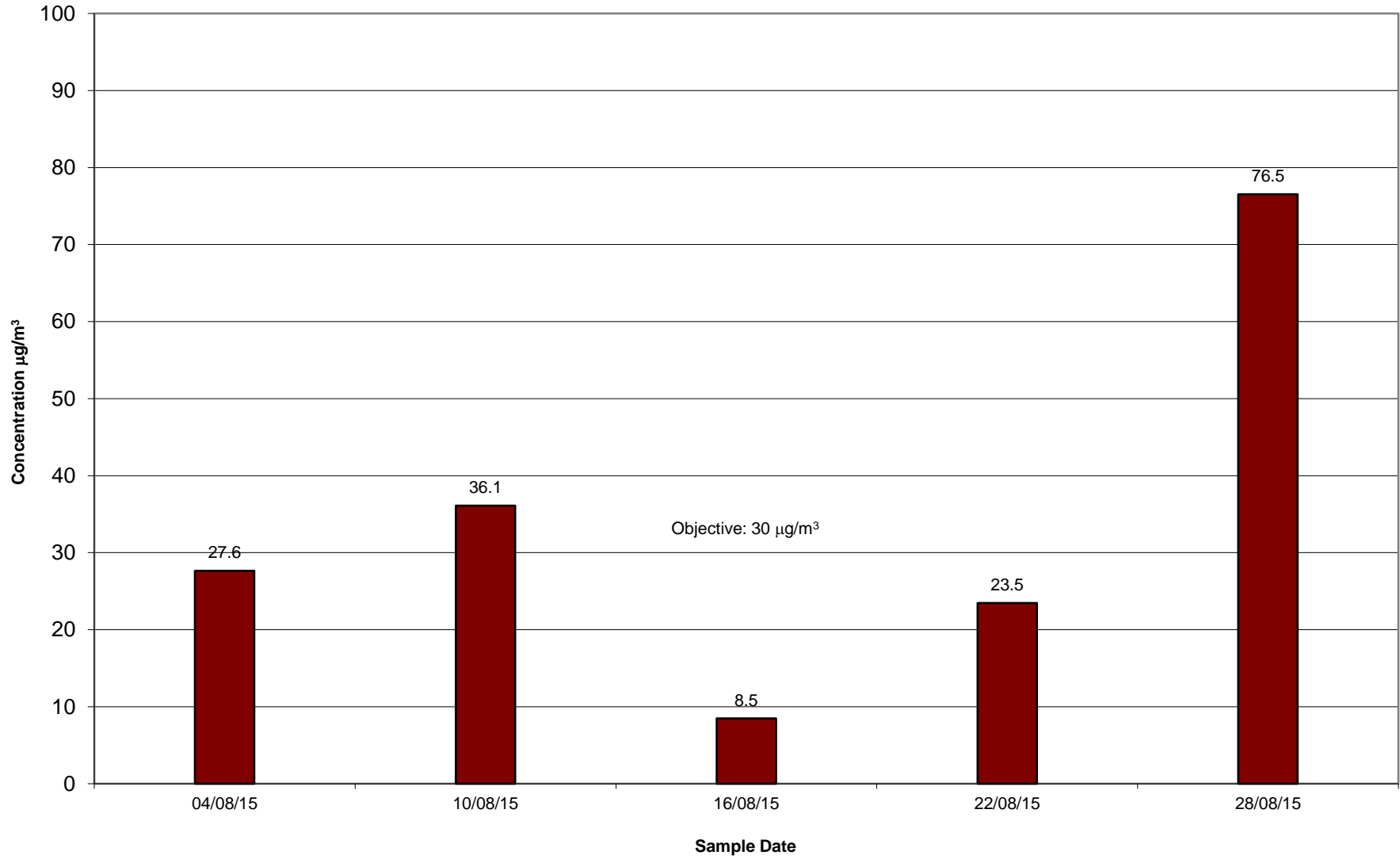


Stoney Trail #1

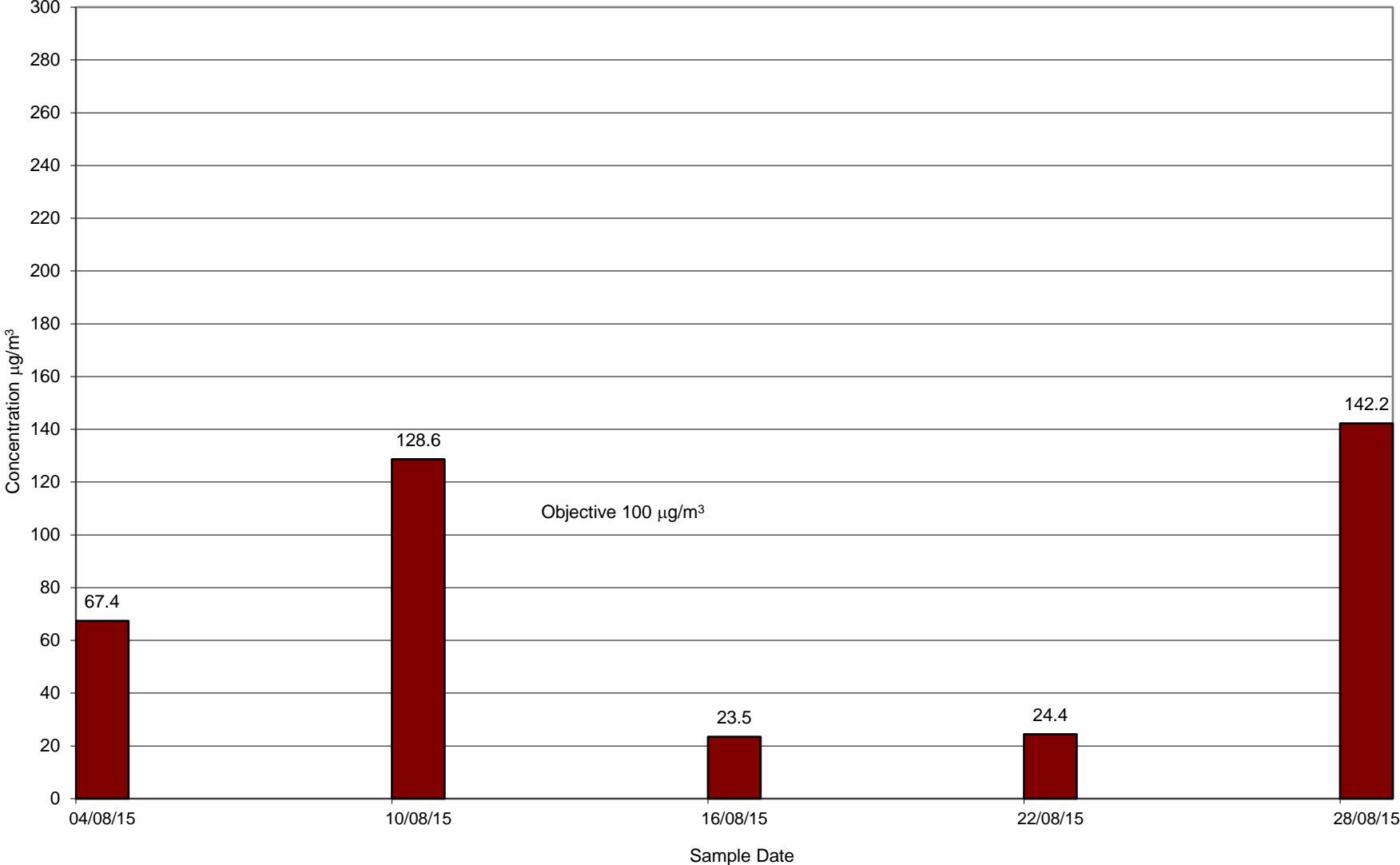
Hour

August 2015

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

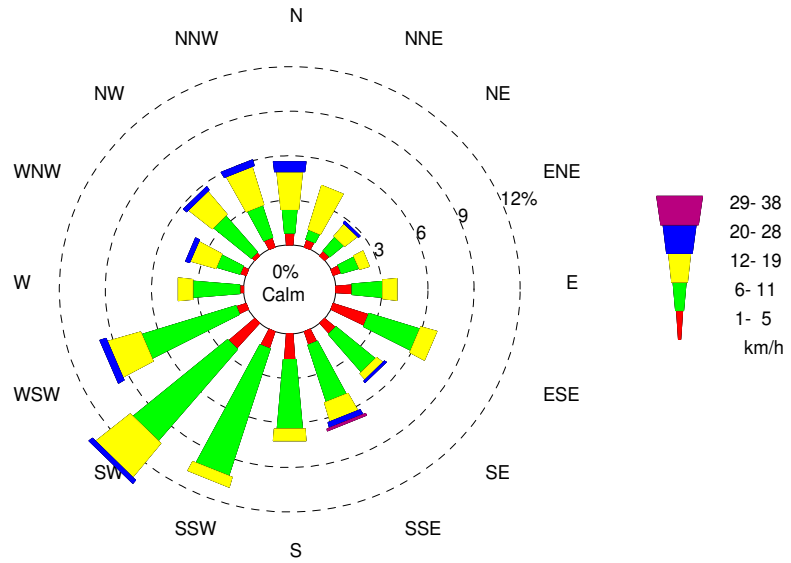


TSP at BLV Group Stoney Trail #1 August 2015



Wind rose for AUG 2015
Stoney Trail 1

Bar length is proportional to frequency of winds from its direction



SOUND LEVEL [dBA] Leq 1 hour
 BLV Group
 Stoney Trail 1
 STATION 620
 AUG 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		40	41	42	45	45	45	43													40	41	39	42			
2	41	38	38	38	39	41															42	41	43	41	40			
3	39	39	39	37	39	40	42	43	43	43	47								42	41	41	41	40	41	41			
4							49													49	47	43	45	41	46			
5	38	35	34	36	40	46	47	49	47	45	C	49							50	47	43	42	43	34	44			
6	34	37	46		44	51	48	48			44	47	46							47	45	45	43	35	45			
7	32	30	30	35	40	46	46	44	46	46	46	46	45	45	44	47	50	53	55	55	49	44	42	41	46			
8		40	36	32	37	46	48	46	37	40	40	42	42	43	43					41	41	40	42	44	42	42		
9	42	42	41	35	36	39	42	42	42	42	41	42	44				41	42	42	41	44	42	43	39	35	41		
10	35	36	37	37	41	50	52	49	45	46	49	50					56			53	55	59	49	44	41	49		
11	49	36		39	44		48	48	48	45	44	47	48	49	51	52	54			53	52	50	43	40	35	48		
12	36	31	31	33	38	46	49	48	44	45	45	45	46	48	51	51	50		51	53	58	52	41	40	40	47		
13	36	33	37	35	43	52	54	51	47	45	44	44	44	47					46	44	46	47	49	44	46	44		
14	42	41	36								47							50			46	47	49	44	46	44		
15					39												43	44	41	42	37	41	46	43	40	42		
16	33	33	32	30	33	42	43	47	39	40	39	40	41	40	38	41	41	44	41	44	40	44	41	39	40	40		
17	42	39	36	38	42	47	50	48	44	43	43	44	43	44	45	48	52			48	48	48	46	47	44	37	45	
18	37	37	36	32	40	48	48								48	48	48		50	54	56	56				48	48	
19										45	44	45	46	45	46	51										46	46	
20	43	42	42	41	44	51	56	52	53	53								48					49	51	46	41	37	48
21	39	34	37																								37	48
22							42	44	42	39	38	41	41	42	42	53	41	41	44	42	43	44	44	44	42	43	43	
23	42	39	37	36	35	40	40	43	43	42	40	42	42	42	43	43	43	42	42	42	42	43	43	41	41	41	41	
24	38	37	33	32	37	44		46	46	46	44	45	45	49	53	54	56	54	55	60	61	50	41	38	50	50		
25	35	33	32	34	38						44	45	45	42	45	43	51		54	56	56	56	45	44	43	47	47	
26	43	41	42	46	44	48	46				44	43	43	42	45	41	42	39	43	43	43	43	43	45	43	44	44	
27	42	42	39	40	42	50				45	44	44	42	42	41	42	42	43	43	43	43	43	43	39	41	32	43	
28	33	32	32	36	41	52	53	54	52	50	50	50	48		55	52	45	46	48	48	46	39	41	37	48	48	48	
29	36	38	37	36	38	42	46	48	44	42	44																39	42
30	36	36	34	31		36	39	40	42		42	42	44														39	42
31							48															47	46	42	39	33	44	39
AVG	39	38	37	37	40	47	48	47	45	45	44	45	44	45	48	49	48	47	49	50	49	44	42	39			44	
MAX	49	42	46	46	44	52	56	54	53	53	50	50	48	49	55	56	56	54	55	60	61	50	45	44			44	
MIN	32	30	30	30	33	36	39	40	37	39	38	40	41	40	38	41	41	39	40	37	40	39	39	32			32	

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

Percent of time operational: 100

M - missing data

Monthly Average: 45 Monthly Maximum: 61 Monthly Minimum: 30

C - Calibration

Median: 42.8

*** No Exceedances of Guideline ***

SOUND METER CALIBRATIONS

DATE	TIME	STANDARD	RESPONSE	ERROR
AUG 5, 2015	10	94.0	93.9	-.1

ABSTRACT OF THE WIND
 BLV Group
 Stoney Trail 1
 STATION 620
 AUG 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	NW	NW	NW	NNW	NW	W	SW	SW	SSE	NNE	NNE	N	NNE	NNE	N	N	N	N	NNE	NNE	NNE	ENE	SE				NNE	0																						
2	SSE	SSE	SE	SE	ESE	SE	SSE	SSE	SSE	SSE	SE	SE	ESE	ESE	ESE	SE	E	E	E	E	ESE	ESE	ESE	SE			SVL	0																						
3	SE	SE	SSE	SSE	SSE	S	SW	SSW	SSW	S	S	SSE	SE	ESE	E	E	E	WSW	NNW	N	NNW	SW	W				SVL	0																						
4	W	WSW	W	W	W	N	NNW	NW	NW	NNW	N	NNE	NNE	N	NW	NW	NNW	N	NNW	NW	NW	W	N	S			W	0																						
5	SW	NNW	SSW	SSW	SW	SSW	SSW	S	SW	SW	S	SE	NE	N	NNE	N	N	N	N	NNW	NNW	WSW	WSW				SVL	0																						
6	WSW	S	SE	SSW	ENE	E	SW	NW	NW	NNW	NNW	NW	NW	NNW	NNW	S	S	WSW	NNW	NNE	N	NNW	W	SSW	W	NNW	SVL	0																						
7	WNW	W	WSW	WSW	SW	WSW	SW	WSW	SSW	SSW	SSW	NW	N	NE	NNE	NE	ENE	ENE	E	E	ESE	ESE	SSE				WSW	0																						
8	SSE	SSE	SSW	SW	WSW	SW	SW	SSW	S	SSE	ESE	SE	E	ENE	ENE	ESE	SE	SW	CLM	SSE	SE	ENE	SW				SW	0																						
9	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	WNW	WNW				SW	0																					
10	W	WSW	WSW	SW	WSW	SSW	SSW	NNE	E	SSE	SE	ESE	ESE	SE	ESE	ENE	E	ESE	SE	SSE	SSE	SSE	S	SSW	SW	WSW	SSW	ESE	0																					
11	SW	NNW	NW	NW	W	W	W	NW	NW	N	NE	E	ESE	SSE	SSE	SSE	S	SSW	SW	WSW	WSW	SSW				W	0																							
12	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW			WSW	0																				
13	WSW	W	S	WSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	0																			
14	NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNE	NE	N	NNE	NE	E	NNE	NNE	N	NNE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	0																			
15	N	N	NNE	NE	NE	NE	NNE	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	0																		
16	SW	SSW	WSW	SW	NW	E	S	SSE	SE	SSE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SSW	NW	NNW	E	S	S	SSW	SSW	S	SSW	SSW	0																		
17	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	0																		
18	W	NW	W	SSW	WSW	W	NW	NNW	NNW	NNW	NW	N	N	NNE	NE	ENE	E	ESE	ESE	SSE	SSE	SSE	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	0																		
19	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	0																	
20	NNW	NW	NNW	W	WSW	SSW	S	ESE	ESE	ENE	NE	NNE	NNE	NE	N	NNE	NNE	NE	NNE	NNE	NE	ENE	ESE	ESE				SVL	0																					
21	ESE	ENE	E	ENE	NE	NE	NNW	N	N	N	N	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	0																	
22	NW	NNW	NNW	NNW	NNW	W	W	NNW	NW	NNW	WSW	SSW	SSW	SSW	SSW	SSW	S	SSE	SSE	SE	SE	SE	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	0																	
23	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	S				SVL	0																					
24	SW	SSW	WSW	WSW	WSW	WSW	WSW	NNW	NNW	NNW	NNW	ESE	ESE	ESE	ESE	ESE	E	E	ESE	ESE	ESE	ESE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	0																	
25	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	0																
26	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NE	ENE	NE	ENE	CLM	E	ESE	SSE				NW	0																						
27	S	SSW	SSW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	S	N	NNW	NNE	NE	E	ESE	SE	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	0																	
28	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	0																
29	S	S	S	S	S	SSE	SSE	S	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	S	S	SSW	SSW	S	S	SSW	S	S	SSW	S	0																
30	S	S	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSE	SSE	S	SSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	0															
31	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	0															
MEAN																																																		
SPEED	10	9	9	10	9	10	10	10	10	10	11	11	11	11	11	11	11	12	13	10	8	8	7	8	9	10	33	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
 AUG 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	6	4	3	4	8	18	7	7	13	9	17	5	2	3	2	5	113	15																			
6- 11	12	5	9	9	15	26	25	30	35	67	60	48	23	12	24	17	417	56																			
12- 19	19	23	8	5	7	8	4	10	6	5	22	17	7	13	15	20	189	25																			
20- 28	5	0	1	0	0	0	1	3	0	0	2	3	0	2	2	3	22	3																			
29- 38	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0																			
TOTAL	42	32	21	18	30	52	37	51	54	81	101	73	32	30	43	45	744	100																			
PERCENT	6	4	3	2	4	7	5	7	7	11	14	10	4	4	6	6																					
AVERAGE	13	13	11	8	9	8	8	10	8	8	10	10	10	12	12	12	10																				

PRECIPITATION [mm]
 BLV Group
 Stoney Trail 1
 STATION 620
 AUG 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	0	0	0	0	0	0	0	.6	0	0	0	0	0	0	0	.6	5.0	3.5	4.3	0	0	0	0	0	14.3
5	0	.3	0	0	0	0	0	0	0	0	0	0	0	2.9	0	.5	.7	0	0	0	0	0	0	0	4.8
6	0	0	3.0	3.9	.2	0	0	0	0	.5	.3	0	0	0	0	0	0	1.8	0	0	0	0	0	0	9.8
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	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
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	7.1	1.8	1.5	.2	0	.6	1.0	5.1	4.4	1.2	.2	0	0	0	0	0	0	0	0	0	0	0	0	5.2	5.2
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.8	0	0	0	0	0	0	0	23.2
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.6	0	0	0	0	0	0	.8
18	0	1.0	.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2	.4	3.3
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	.5	0	0	.7	6.2	2.8	7.3	4.1	3.0	1.9	3.9	3.6	3.3	1.0	.3	1.7	.9	0	0	0	0	0	.2	0	.6
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	0	0	0	0	0	0	0
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	7.7	3.2	5.2	4.9	6.5	3.5	8.9	9.3	7.5	3.7	4.4	3.6	3.3	3.9	.4	2.3	7.2	6.1	6.2	.2	0	0	1.4	5.7	
MAX	7.1	1.8	3.0	3.9	6.2	2.8	7.3	5.1	4.4	1.9	3.9	3.6	3.3	2.9	.3	1.7	5.0	3.5	4.3	0	0	0	1.2	5.2	

Percent of time operational: 100 M - missing data
 Monthly Total: 105 Maximum in an hour: 7.3
 Year to Date: 238

TRAILER TEMPERATURE
 BLV Group
 Stoney Trail 1
 STATION 620
 AUG 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	19	18	16	15	14	13	15	20	24	26	26	27	27	28	29	29	28	26	24	21	19	18	17	22		
2	15	14	14	14	13	14	16	18	21	23	25	27	28	28	28	29	30	29	28	26	24	21	20	18	22	
3	18	17	17	16	15	15	15	16	18	21	25	28	30	31	32	32	30	28	27	24	23	21	20	20	22	
4	20	20	20	20	20	20	18	17	17	19	21	24	26	26	27	25	20	17	15	14	14	13	13	13	19	
5	13	13	12	12	12	12	12	13	15	19	23	24	23	19	17	17	17	15	14	14	13	13	12	12	15	
6	12	12	12	11	11	10	10	10	11	11	12	13	13	14	15	18	19	19	17	15	13	12	12	12	13	
7	12	12	11	10	10	10	12	15	18	20	21	22	23	24	23	25	26	26	25	23	19	16	15	13	18	
8	13	12	12	11	11	11	13	16	20	23	25	26	27	27	27	28	27	26	25	22	20	17	16	14	20	
9	13	13	13	13	13	13	15	18	21	25	27	28	29	29	29	28	29	29	29	29	26	22	20	19	17	22
10	16	15	14	13	13	12	13	17	20	24	27	27	28	28	29	30	30	28	27	25	22	20	19	17	21	
11	17	16	17	17	17	16	17	18	20	22	24	28	30	30	31	31	32	32	31	28	23	20	18	18	23	
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17	9	8	8	8	8	8	9	12	15	17	20	22	23	24	23	24	23	20	17	14	13	12	11	11	15	
18	11	11	11	10	10	10	10	10	11	14	16	18	19	20	20	21	23	24	24	22	19	16	14	13	12	16
19	12	11	11	10	11	11	13	16	19	22	24	26	27	28	29	30	29	28	27	24	21	19	17	16	20	
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23	7	6	6	6	7	7	9	13	16	18	21	23	24	25	26	26	27	26	25	22	19	16	15	14	17	
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30	12	12	11	11	11	11	10	12	15	18	21	24	25	24	24	24	22	20	17	15	13	11	11	10	16	
31	10	10	10	11	11	11	11	14	14	15	17	19	21	20	19	20	22	22	20	17	15	13	12	12	15	
AVG	14	13	13	13	12	12	13	14	17	19	21	22	23	24	24	24	24	23	22	20	17	16	15	14		
MAX	20	20	20	20	20	20	18	20	24	26	27	30	32	34	34	35	35	34	33	29	25	23	21	20		
MIN	7	6	5	4	4	3	4	7	9	9	8	7	7	6	5	4	4	5	6	6	8	8	8	8		

Percent of time operational: 100
 Monthly Average: 18 Monthly Maximum: 35 Monthly Minimum: 3 M - missing data