

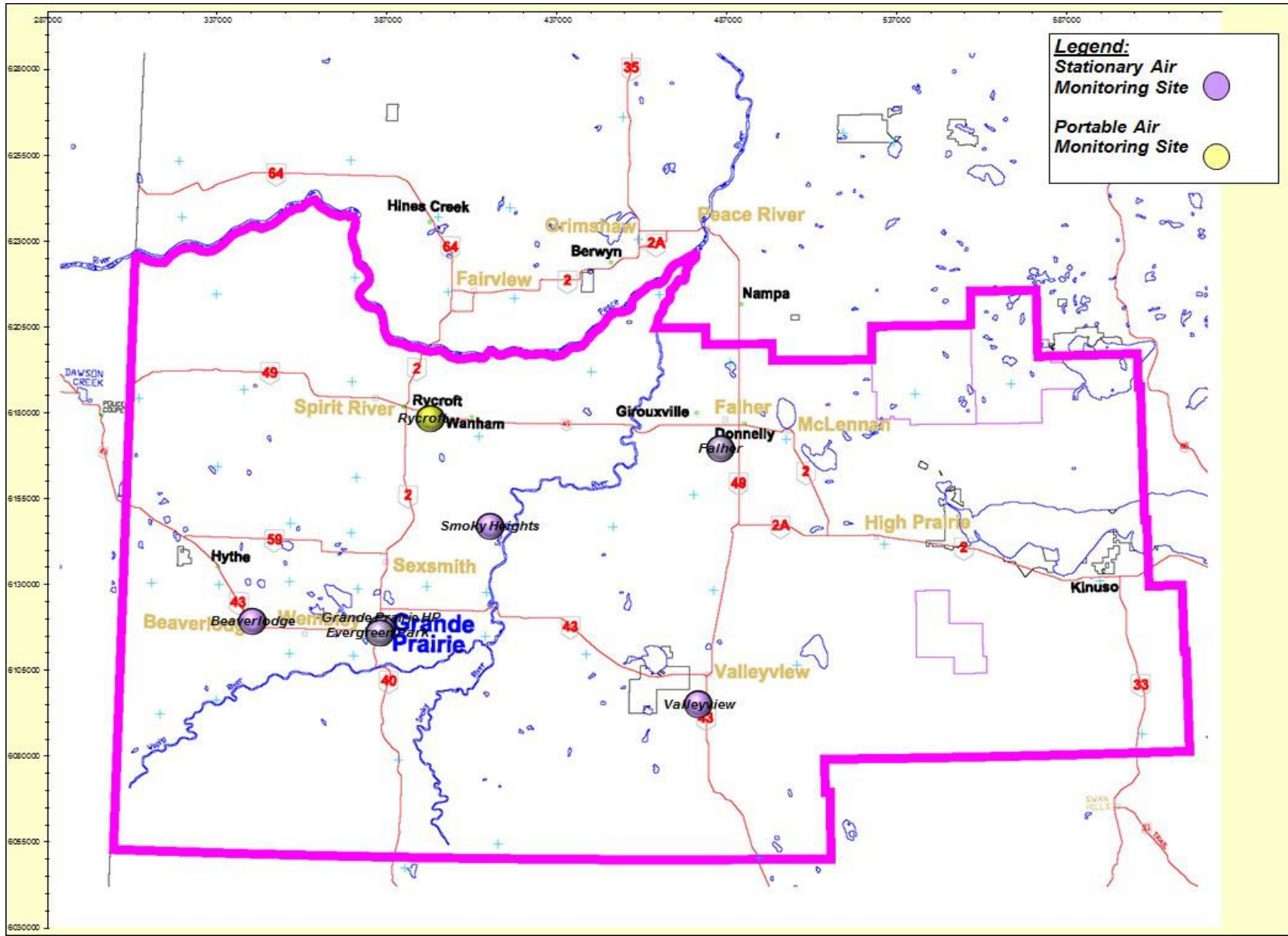


Peace Airshed Zone Association

Ambient Air Monitoring Network Summary

**Continuous Ambient Air Quality Monitoring Program
Monthly Report
May 2016**

Location of PAZA Continuous Monitoring Stations



PAZA Monthly Continuous Data Summary

May-2016 Peace Airshed Zone Association							Maximum Recorded Values				Operational Time (%)	Calibration Date
Pollutant (units)	Objectives		Station	Monthly Average	Exceedence		1-hr		24-hr / 8-hr			
	1-hr	24-hr			1-hr	24-hr	Conc	Day	Conc	Day		
SO ₂ (ppb)	172	48	Henry Pirker	0.1	0	0	36.3	May-29 15:00	2.2	May-29	100.0%	May-02
SO ₂ (ppb)	172	48	Evergreen Park	0.1	0	0	6.9	May-29 15:00	0.7	May-29	99.5%	May-13
SO ₂ (ppb)	172	48	Smoky Heights	0.3	0	0	4.2	May-21 22:00	1.0	May-05	97.2%	May-18
SO ₂ (ppb)	172	48	Beaverlodge	0.1	0	0	2.1	May-12 06:00	0.4	May-22	100.0%	May-11
SO ₂ (ppb)	172	48	Valleyview	0.6	0	0	12.7	May-17 08:00	3.0	May-08	100.0%	May-09
SO ₂ (ppb)	172	48	Falher-Idle	-	0	0	-	-	-	-	-	-
SO ₂ (ppb)	172	48	Rycroft-Portable	0.2	0	0	2.3	May-05 07:00	0.5	May-05	100.0%	May-05
NO (ppb)			Henry Pirker	1.3	0	0	39.3	May-02 07:00	12.0	May-02	99.7%	May-02
NO ₂ (ppb)	159	106	Henry Pirker	4.2	0	0	30.4	May-02 23:00	13.6	May-02	99.7%	May-02
NO _x (ppb)			Henry Pirker	5.9	0	0	53.3	May-02 07:00	26.0	May-02	99.7%	May-02
NO (ppb)			Beaverlodge	0.3	0	0	11.0	May-02 08:00	1.2	May-02	99.5%	May-11
NO ₂ (ppb)	159	106	Beaverlodge	1.8	0	0	13.2	May-16 06:00	3.0	May-02	99.5%	May-11
NO _x (ppb)			Beaverlodge	2.0	0	0	19.1	May-02 08:00	4.2	May-02	99.5%	May-11
NO (ppb)			Rycroft-Portable	0.3	0	0	5.4	May-16 05:00	0.5	May-16	100.0%	May-05
NO ₂ (ppb)	159	106	Rycroft-Portable	2.0	0	0	14.2	May-16 05:00	4.2	May-16	100.0%	May-05
NO _x (ppb)			Rycroft-Portable	2.3	0	0	19.7	May-16 05:00	4.7	May-16	100.0%	May-05
O ₃ (ppb)	82		Henry Pirker	29.6	0	-	63.4	May-15 15:00	50.4	May-15	100.0%	May-02
O ₃ (ppb) - 8-hr			Henry Pirker		0				62.6	May-15		-
O ₃ (ppb)	82		Beaverlodge	33.7	0	-	66.1	May-15 15:00	50.4	May-15	99.5%	May-11
O ₃ (ppb) - 8-hr			Beaverlodge		0				63.3	May-15		-
O ₃ (ppb)	82		Rycroft-Portable	31.7	0	-	65.0	May-16 13:00	45.8	May-15	99.3%	May-05
O ₃ (ppb) - 8-hr			Rycroft-Portable		0				62.5	May-15		-
CO (ppm)	13		Henry Pirker	0.17	0	-	0.6	May-02 22:00	0.3	May-02	100.0%	May-03
CO (ppm) - 8-hr		5	Henry Pirker		0				0.4	May-03		-

PAZA Monthly Continuous Data Summary – continued

May-2016		Peace Airshed Zone Association					Maximum Recorded Values						
							1-hr		24-hr / 8-hr				
THC (ppm)			Henry Pirker	2.0	-	-	3.1	May-07 08:00	2.2	May-07	100.0%	May-03	
CH ₄ (ppm)			Henry Pirker	2.0	-	-	3.1	May-07 08:00	2.2	May-07	100.0%	May-03	
NMHC (ppm)			Henry Pirker	0.0	-	-	0.0	May-20 00:00	0.0	May-19	100.0%	May-03	
THC (ppm)			Rycroft-Portable	1.9	-	-	2.1	May-16 07:00	2.0	May-06	100.0%	May-06	
TRS (ppb)			Henry Pirker	0.1	-	-	0.8	May-02 08:00	0.4	May-02	100.0%	May-03	
TRS (ppb)			Evergreen Park	0.3	-	-	2.1	May-03 02:00	0.5	May-03	99.5%	May-13	
TRS (ppb)			Smoky Heights	0.0	-	-	0.5	May-18 13:00	0.1	May-18	97.0%	May-31	
TRS (ppb)			Rycroft-Portable	0.3	-	-	1.3	May-01 15:00	0.5	May-08	100.0%	May-06	
H ₂ S (ppb)	10	3	Valleyview	0.2	0	0	2.8	May-17 21:00	0.5	May-05	100.0%	May-09	
H ₂ S (ppb)	10	3	Falher-Idle	-	0	0	-	-	-	-	-	-	
PM _{2.5} (µg/m ³)	80	30	Henry Pirker	5.7	0	0	69.8	May-03 00:00	16.2	May-02	99.9%	Feb-03	
PM _{2.5} (µg/m ³)	80	30	Evergreen Park	4.1	0	0	46.6	May-02 22:00	16.1	May-16	99.5%	Feb-04	
PM _{2.5} (µg/m ³)	80	30	Smoky Heights	7.0	2	0	89.8	May-06 22:00	22.0	May-16	97.2%	Feb-09	
PM _{2.5} (µg/m ³)	80	30	Beaverlodge	5.2	0	0	63.1	May-11 15:00	13.1	May-16	100.0%	Feb-10	
PM _{2.5} (µg/m ³)	80	30	Rycroft-Portable	4.5	2	0	123.9	May-15 23:00	20.8	May-15	99.5%	Mar-03	
RH (%)			Henry Pirker	51.3	-	-	89.7	May-27 07:00	84.2	May-19	100.0%	-	
RH (%)			Evergreen Park	57.4	-	-	100.0	May-20 00:00	93.8	May-19	99.5%	-	
RH (%)			Beaverlodge	54.2	-	-	100.0	May-19 11:00	95.8	May-19	100.0%	-	
RH (%)			Valleyview	53.4	-	-	100.0	May-20 11:00	91.3	May-20	100.0%	-	
SR (W/m ²)			Henry Pirker	212.5	-	-	802.0	May-31 14:00	308.1	May-23	100.0%	-	
Temp (°C)			Henry Pirker	11.7	-	-	29.0	May-03 15:00	18.9	May-03	100.0%	-	
Temp (°C)			Evergreen Park	10.6	-	-	28.8	May-03 16:00	17.7	May-03	99.5%	-	
Temp (°C)			Smoky Heights	10.9	-	-	28.0	May-03 17:00	18.5	May-03	97.3%	-	
Temp (°C)			Beaverlodge	10.9	-	-	26.6	May-03 17:00	19.2	May-03	100.0%	-	
Temp (°C)			Valleyview	11.2	-	-	30.1	May-02 19:00	20.4	May-03	100.0%	-	
Temp (°C)			Falher-Idle	-	-	-	-	-	-	-	-	-	
Temp (°C)			Rycroft-Portable	10.5	-	-	26.9	May-16 15:00	16.9	May-07	100.0%	-	

PAZA Monthly Continuous Data Summary – continued

May-2016 Peace Airshed Zone Association							Maximum Recorded Values					
							1-hr		24-hr / 8-hr			
WSPD s (km/hr)			Henry Pirker	7.4	-	-	32.0	May-08 11:00	19.1	May-08	99.7%	-
WSPD s (km/hr)			Evergreen Park	11.2	-	-	58.0	May-08 09:00	30.3	May-08	99.5%	-
WSPD s (km/hr)			Smoky Heights	11.9	-	-	50.0	May-08 09:00	28.2	May-08	98.5%	-
WSPD s (km/hr)			Beaverlodge	12.2	-	-	50.0	May-08 09:00	25.2	May-08	100.0%	-
WSPD s (km/hr)			Valleyview	4.8	-	-	23.0	May-08 10:00	13.6	May-08	100.0%	-
WSPD s (km/hr)			Falher-Idle	-	-	-	-	-	-	-	-	-
WSPD s (km/hr)			Rycroft-Portable	11.5	-	-	47.0	May-08 16:00	24.2	May-08	100.0%	-
WSPD v (km/hr)			Henry Pirker	3.4	-	-	32.0	May-08 11:00	18.4	May-08	99.7%	-
WSPD v (km/hr)			Evergreen Park	5.5	-	-	57.0	May-08 09:00	29.1	May-08	99.5%	-
WSPD v (km/hr)			Smoky Heights	5.5	-	-	50.0	May-08 09:00	26.9	May-08	98.5%	-
WSPD v (km/hr)			Beaverlodge	4.4	-	-	49.0	May-08 09:00	24.0	May-08	100.0%	-
WSPD v (km/hr)			Valleyview	2.5	-	-	22.0	May-08 10:00	12.5	May-08	100.0%	-
WSPD v (km/hr)			Falher-Idle	-	-	-	-	-	-	-	-	-
WSPD v (km/hr)			Rycroft-Portable	5.8	-	-	47.0	May-08 16:00	22.9	May-08	100.0%	-
WDIR			Henry Pirker	WSW	-	-	-	-	-	-	99.7%	-
WDIR			Evergreen Park	W	-	-	-	-	-	-	99.5%	-
WDIR			Smoky Heights	WSW	-	-	-	-	-	-	98.5%	-
WDIR			Beaverlodge	WNW	-	-	-	-	-	-	100.0%	-
WDIR			Valleyview	NW	-	-	-	-	-	-	100.0%	-
WDIR			Falher-Idle	-	-	-	-	-	-	-	-	-
WDIR			Rycroft-Portable	WSW	-	-	-	-	-	-	100.0%	-

PAZA

Henry Pirker Station

Monthly Summary Tables, Graphs and
Roses

PAZA

Evergreen Park Station

Monthly Summary Tables, Graphs and
Roses

PAZA

Smoky Heights Station

Monthly Summary Tables, Graphs and
Roses

PAZA

Beaverlodge Station

Monthly Summary Tables, Graphs and
Roses

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Valleyview Station

Monthly Summary Tables, Graphs and
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Falher Station

Monthly Summary Tables, Graphs and
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PAZA

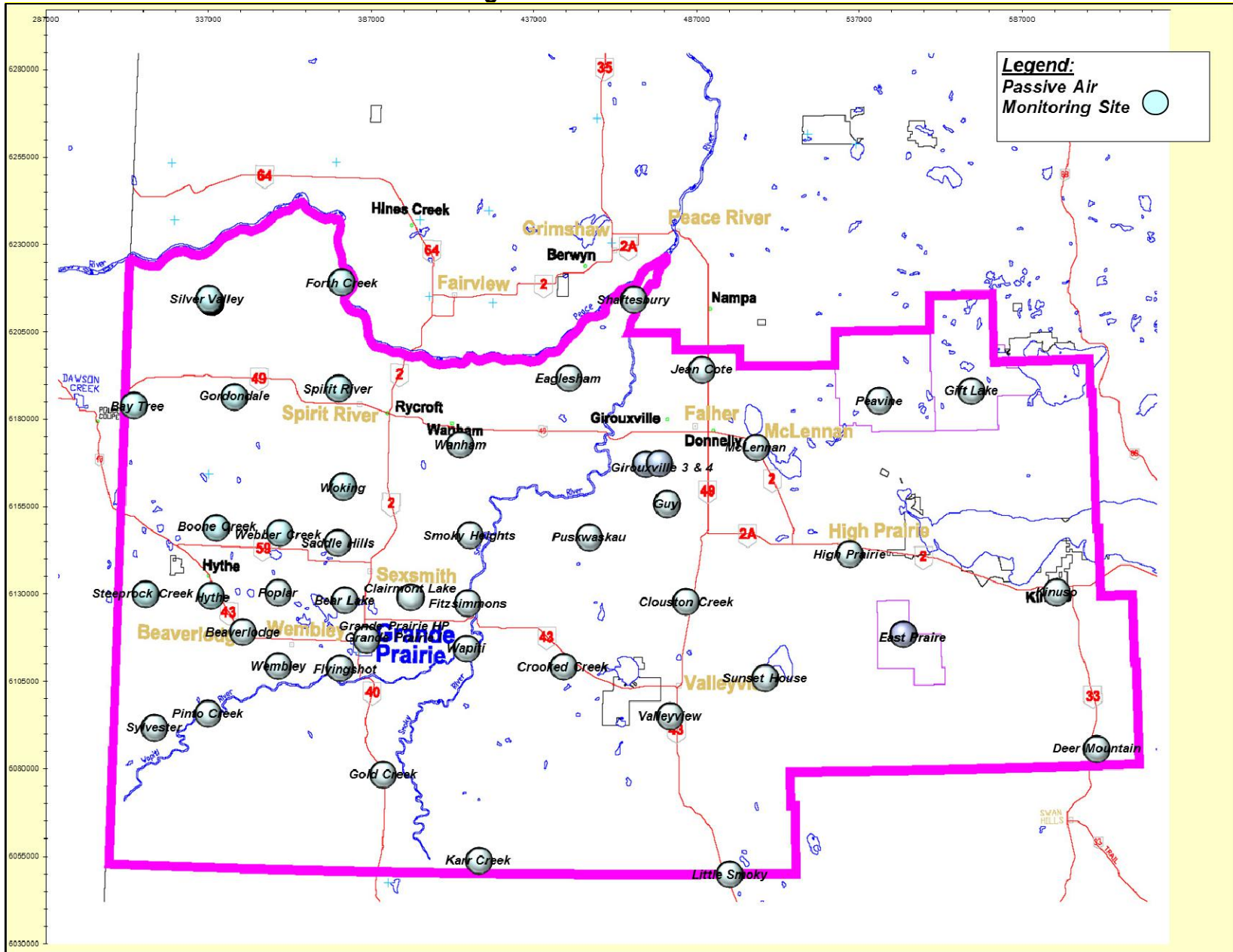
Portable – Rycroft Station

Monthly Summary Tables, Graphs and
Roses

PAZA

Monthly Passive Data Summary

Location of PAZA Passive Monitoring Stations



May 2016 Calibration Reports

PAZA - Henry Pirker Station with the following calibrations:

SO₂, NO, NO₂, NO_x, O₃, CO, THC, TRS, PM_{2.5}

PAZA – Evergreen Park Station with the following calibrations:

SO₂, TRS, PM_{2.5}

PAZA – Smoky Heights Station with the following calibrations:

SO₂, TRS, PM_{2.5}

PAZA – Beaverlodge Station with the following calibrations:

SO₂, NO, NO₂, NO_x, O₃, PM_{2.5}

PAZA – Valleyview Station with the following calibrations:

SO₂ & H₂S

PAZA – Rycroft Station with the following calibrations:

SO₂, NO, NO₂, NO_x, O₃, THC, TRS