



**Peace River Air Monitoring Program
Three Creeks #842b
Ambient Air Monitoring Station
Site Documentation**



Ambient Air Monitoring Site Documentation

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1.0 General Information

1.1 Station

Station identification/number	842b
Station Name (building name, park name, etc.)	Three Creeks 842b
Date station established	November 7, 2012
Date information last updated	July 21, 2017

1.2 Location

Station address (street address/legal land description)	19556 Twn Rd 842, Northern Sunrise County, AB	
	16-07-84-19, W5M	
Air zone / Airshed zone	PRAMP Airshed	
Latitude	56.27406N	
Longitude	116.98129W	
UTM Coordinates	East: 501159	North: 6236582

DIRECTIONS:

From Peace River, travel approx. 8 km on Hwy 2 (south) and turn onto Hwy-688 E. Follow this for ~11 km and then turn onto Twn Rd 840 (east). Continue on Twn Rd 940 approx 10 km to a 4-way crossing (shortly after the turnout area). Turn left to travel west on Twn Rd 842. The trailer is set back from the left hand side of the road, approximately 200 m after the asphalt surface restarts.

1.3 Owner/Operator/Approval Holder

Name of operating agency	Maxxam Analytics
Address	#1 2080 39 th Ave NE
	Calgary, AB T2E 6P7

Contact name	Christopher Wesson
Title	Senior Project manager, Ambient Air Services
Phone number	Cell: 780 446 2724
Email address	cwesson@maxxam.ca
Contact name	Trina Whitsitt
Title	Supervisor, Ambient Air / Edmonton Air Operations
Phone number	Office: 780 408 5309, Cell: 587 337 5880
Email address	twhitsitt@maxxam.ca

Name of owner/approval holder	Peace River Air Monitoring Program
Contact name	Mike Bisaga / Lily Lin
Title	Technical Program Managers
Phone number	(780) 266-7068 / (587) 225-2248
Email address	prampotech@prampairshed.ca

2.0 Site Description

Land use by sector (use 90° as a sector)	North: Agricultural	
	East: Agricultural	
	South: Agricultural	
	West: Agricultural	
Site elevation (above sea level (m))	610 m	
Angle of elevation to nearby buildings	1. Greatest angle: not applicable	
	2. Building direction: not applicable	
Average building height in the area (m)	No buildings present in immediate area	
Air flow restrictions (yes/no)	North: No	South: No
	East: No	West: No
Distance to nearest Obstruction (m)	N/A	
Description of Obstruction	N/A	
Angle of Elevation (wind system)	N/A	
Angle of Elevation (manifold)	N/A	
Manifold	1. Type: Glass	
	2. Distance from supporting structure: 1 m	
	3. Total Height: 4 m	
Meteorological Tower (Wind System)	1. Type: Aluma Tower	
	2. Distance from Supporting structure: 7 m	
	3. Total Height: 10 m	
	4. Position: South end of station	

Notes:

Other meteorological instruments are mounted on or near the wind tower at approximately roof height (3 m)

3.0 Instruments

Station Name: Three Creeks #842b

Instrument Type	Owner	Make	Model	Serial No.	Sampling Height (m)	Date Installed
Sulphur dioxide	Maxxam	API	100A	838	4	July 7, 2016
Methane / Non-methane hydrocarbons	Maxxam	Thermo	55i	1236556188	4	June 14, 2017
Total reduced sulphur	Maxxam	Thermo	43i-TLE	1162460023	4	February 2, 2017
TRS Converter	Maxxam	CD Nova	CDN-101	553	n/a	July 7, 2016
Intermittent VOCs	AITF / Maxxam	Suma	6 L Canister	n/a	4	n/a
Wind speed/direction	Maxxam	RM Young	05305VK	65521	10	July 11, 2017
Temperature/RH	Maxxam	RM Young	60837987	s/n	3	November 7, 2012
Barometric Pressure	Maxxam	Met One	092	K12864	3	November 7, 2012
Data logger	Maxxam	ESC	8832	s/n	n/a	November 7, 2012

Notes:

VOCs are sampled intermittently. 1-hour samples are triggered based on 5-min average NMHC threshold.

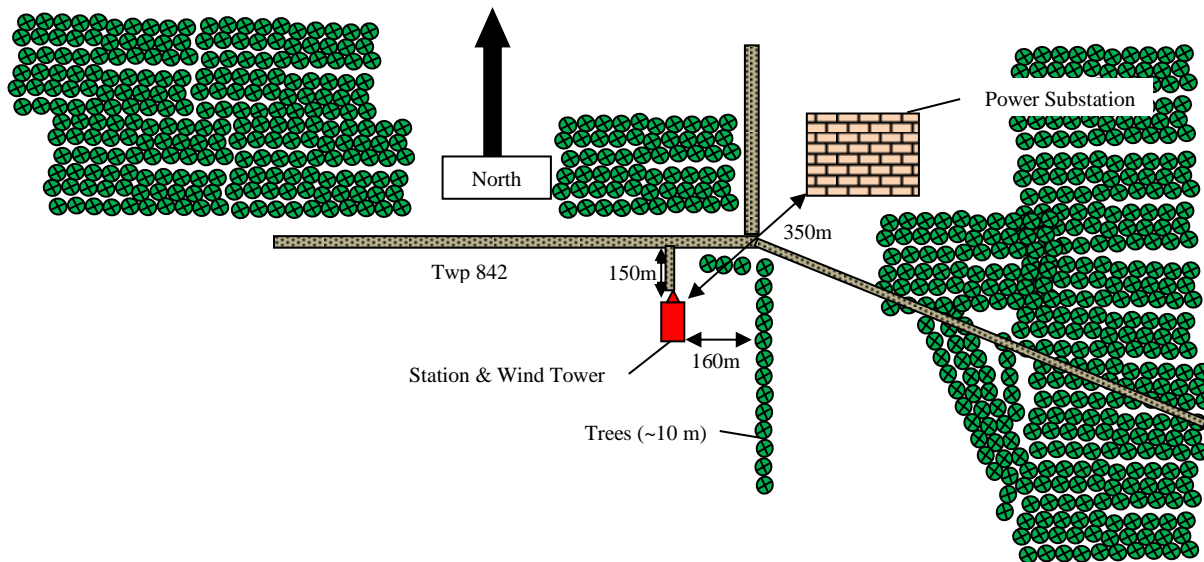
4.0 Continuous Stations

4.1 Area Map



Source: <http://maps.google.com>
Retrieved: Sept 2016

4.2 Plan View Sketch



Notes:
Unless otherwise marked, land use is agricultural.

4.3 Photographs for Continuous Stations

Colour pictures looking from the instrument/manifold:

North:



East:



South:



West:



Colour picture of the structure housing the instruments from the door side / showing the details of the sampling inlet in relation to the station.



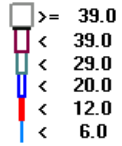
5.0 Network Stations

5.1 Network Area Map

See Appendix 1

5.2 Wind Rose

Logger : 67 Parameter : WSP
Class Limits (KPH)



Site : PENNWES
Period : 01/01/13-12/31/14
Level : 10

