



pramp

PEACE RIVER AREA MONITORING PROGRAM



842b Ambient Air Monitoring Station Site Documentation / Network Documentation

Ambient Site Doc-PRAMP-20230331-01561-V01

March 2023

Ambient Air Monitoring Site Documentation Template

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1.0 General Information

1.1 Station

Station identification/number	842-B
Station Name (building name, park name, etc.)	Three Creeks 842-B
Date station established	November 7, 2012
Date information last updated	April 6, 2021

1.2 Location

Station address (street address/legal land description)	19556 Twn Rd 842, Northern Sunrise County, AB	
	16-07-84-19, W5M	
Nearest cross-street	Twp 842 and unknown access to field	
Air zone / Airshed zone	PRAMP Airshed	
Latitude	56.274385	
Longitude	-116.981429	
UTM Coordinates	East: 498849	North: 6236618
Community (municipality, community or county)	Peace River	
Population of city or metropolitan area	7215	
Census year	2020	

DIRECTIONS:

From Peace River, travel approx. 8 km on Hwy 2 (south) and turn onto Hwy-688 E. Drive about 14 km and then turn onto Township Ed 842 (east). Continue on Twp Rd 842 approx. 6.3 km. Turn right to an unpaved field road.

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	Bureau Veritas Canada
Address	#1 2080 39th Ave NE
	Calgary, AB T2E 6P7
Contact name	Christopher Wesson
Phone number	780-446-2724
Email address	Christopher.WESSON@bvlabs.com
Name of owner/approval holder	Peace River Air Monitoring Program
Address	Suite 91, 305 – 4625 Varsity Drive NW
	Calgary, AB, T3A 0Z9
Contact name	Mike Bisaga / Lily Lin
Phone number	780-266-7068 / 587-225-2248
Email address	pramptech@prampairshed.ca
Approval number	n/a

2.0 Site Description

Land use by sector (use 90° as a sector)	1. North: Agricultural	
	2. East: Agricultural	
	3. South: Agricultural	
	4. West: Agricultural	
Site elevation (above sea level (m))	614 m	
Angle of elevation to nearby buildings	1. Greatest angle: n/a	
	2. Building direction: n/a	
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 trees (m)	160 m	
Manifold	1. Type: Stainless Steel / Glass	
	2. Distance from supporting structure: 1 m	
Meteorological Information	1. Type: Aluma Tower	
	2. Distance from supporting structure: 7 m	
	3. Distance from station: 10 m	
	4. Contact: South end of the air monitoring station	

3.0 Site Influences

3.1 Localized sources (within 20 metres of station, monitor, or sampler)

Type	Distance (m)	Description
Open field	n/a	n/a

3.2 Roadway influences

Name	Type	*Traffic Volume	Distance (m)	Description
Twp 842	Highway	Unknown – Minimal	120 m	Paved Rural Highway

*Average annual weekday traffic

3.3 Major point sources

Source Name	Source Type	Production Capacity	Distance from Site (km)	Compass direction (degrees)
Tervita Facility	H2S, THC	unknown	14.5 km	Northeast
CNUL Cliffdale Facility	H2S, THC	unknown	27 km	East

4.0 Instruments

Station Name: 842-B

Instrument Type	Owner	Make	Serial No.	Sampling Height (m)	Date Installed
Sulphur dioxide	PRAMP	Thermo 43iQTL	1200736629	4	December 17, 2020
Methane / Non-methane hydrocarbons	PRAMP	Thermo 55i	12208316589	4	December 17, 2020
Total reduced sulphur	PRAMP	Thermo 43iQTL	1200736630	4	December 17, 2020
TRS convertor	PRAMP	CD Nova CDN-101	576	n/a	December 17, 2020
Wind speed/direction	PRAMP	RM Young 05305AQ	174802	10	December 17, 2020
Temperature/RH	PRAMP	Rotronic HC2A-S3	20370767	3	December 17, 2020
Barometric Pressure	PRAMP	Met One 92	Y23362	3	December 17, 2020
Precipitation	PRAMP	RM Young 52202	15878	4	December 17, 2020
Intermittent VOCs	Innotech / PRAMP	Suma Canister	n/a	4	December 17, 2020
Data logger	PRAMP	Envista Ultimate	510	n/a	December 17, 2020
Hydrogen Generator	PRAMP	AMA HG300	190567058	n/a	December 17, 2020
Station Temperature	PRAMP	COMET	20790297	n/a	December 17, 2020
AQM Trailer	PRAMP	ITB	VIN: 2C9CSC2G7L1044003 Plate #: 5YX4-99	n/a	December 17, 2020

5.0 Continuous Stations

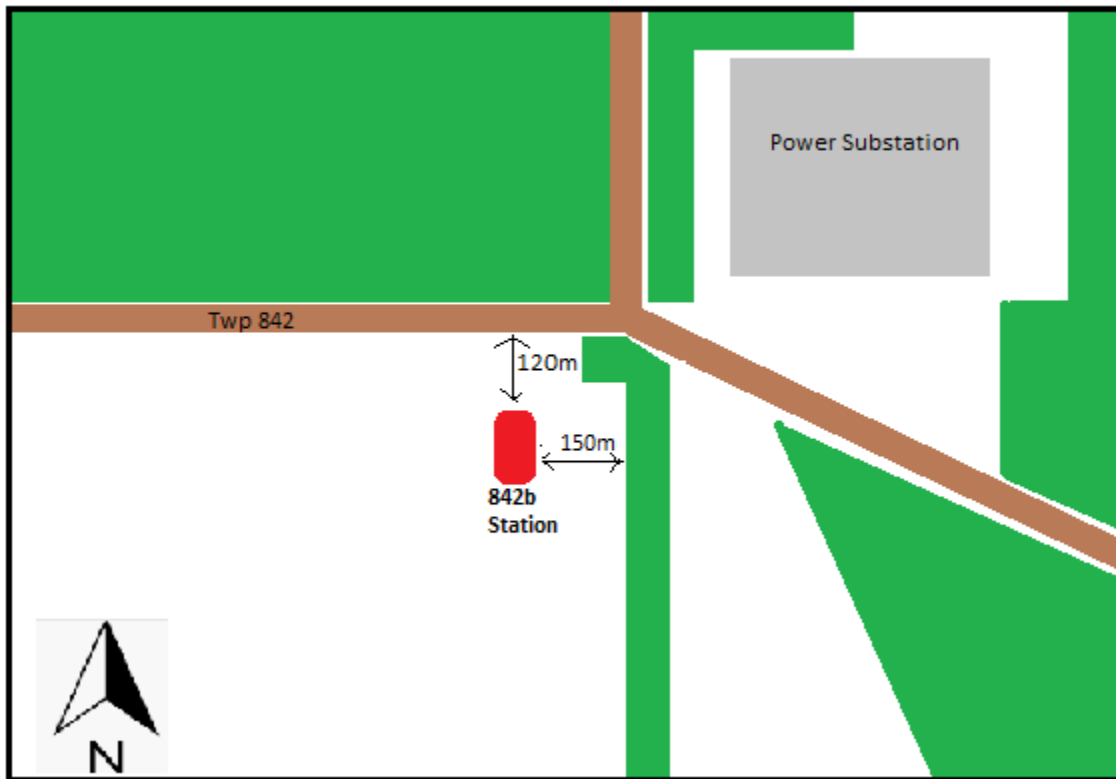
5.1 Area Map for Continuous Station



Source: <http://maps.google.com>

Retrieved: April 2020

5.2 Sketches for Continuous Stations



Notes:

Unless otherwise marked, land use is agricultural

5.3 Photographs for Continuous Stations

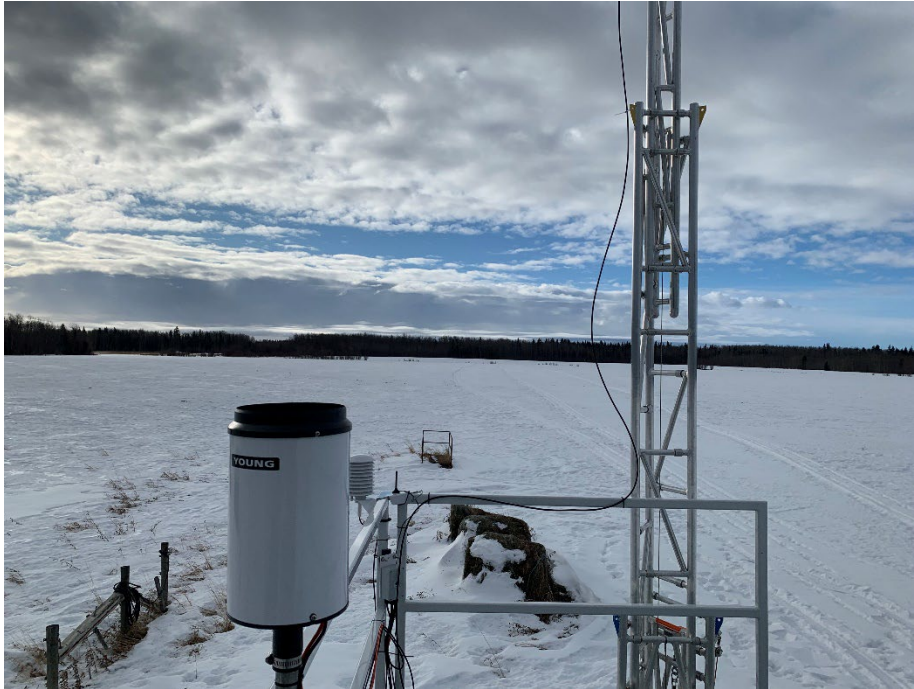
East:



North:



South:



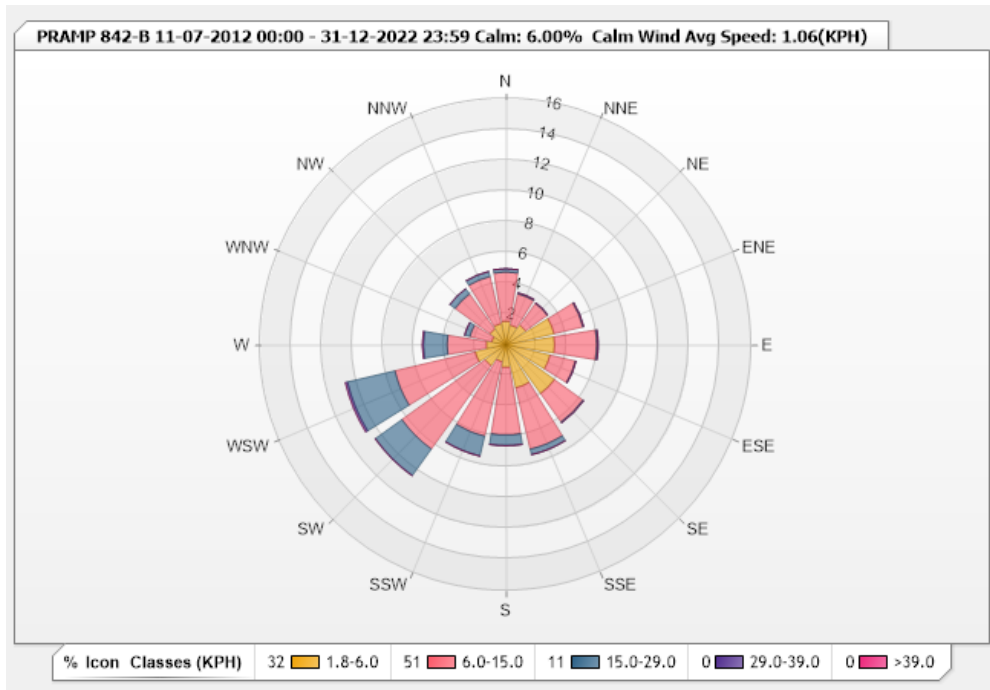
West:



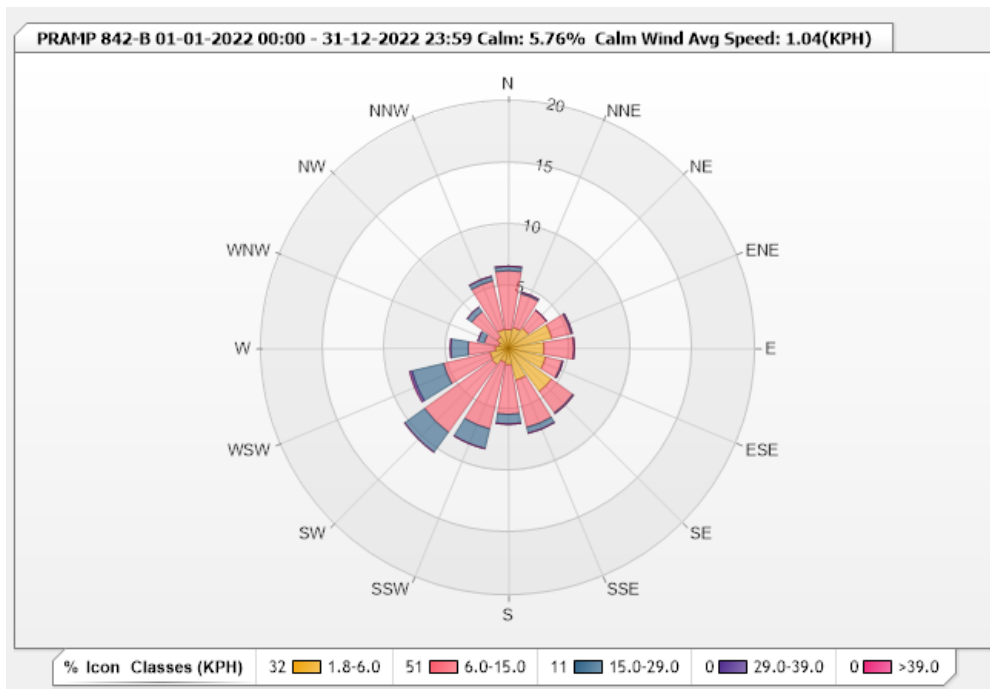
Colour picture showing the details of the sampling inlet(s) or manifold in relation to the station.



5.4 Wind Rose

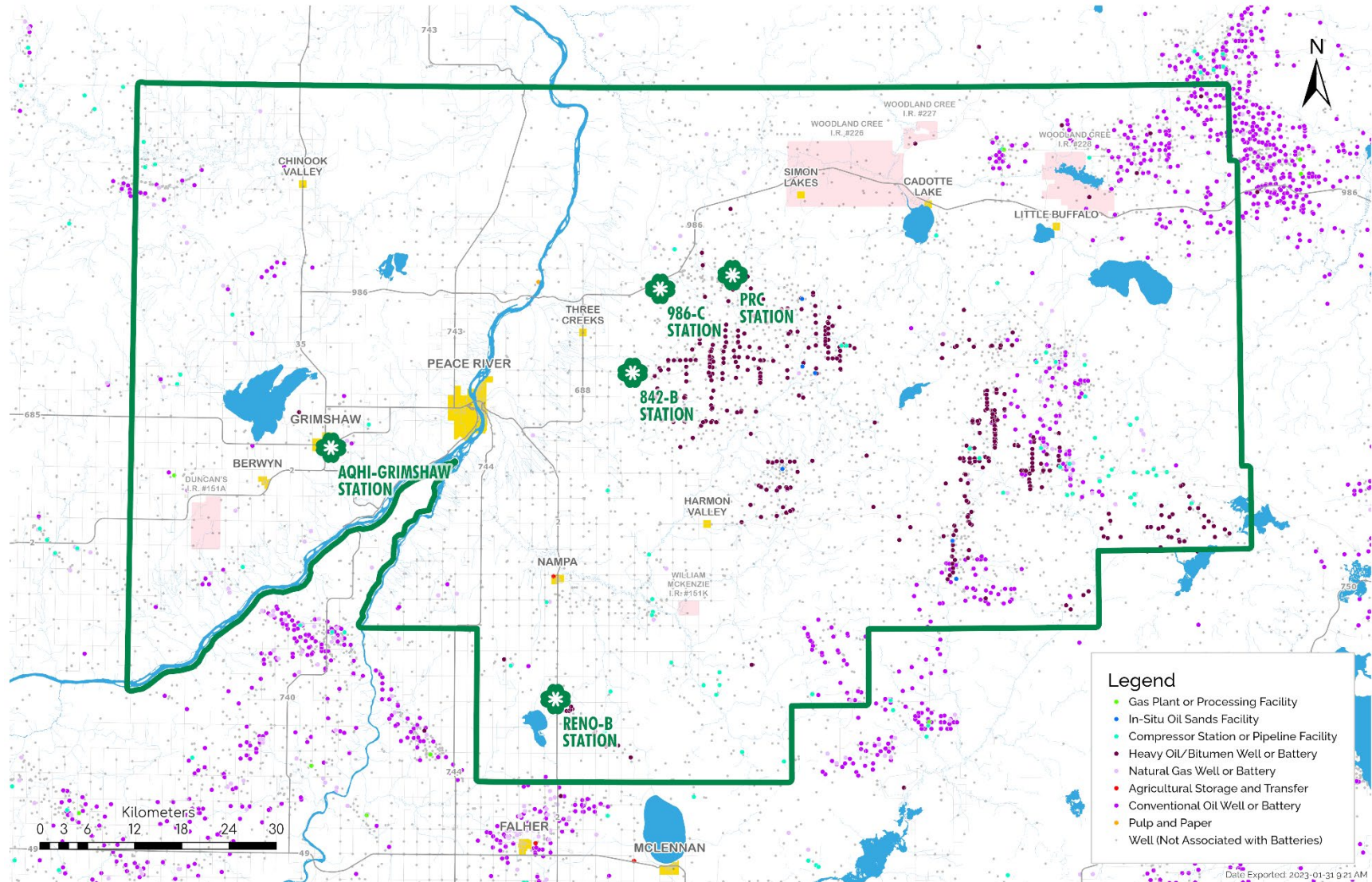


Data Period: November 7, 2012 – December 31, 2022



Data Period: January 1, 2022 – December 31, 2022

6.0 Network of Stations



7.0 Revisions

Revision No.	Date	Reason For Revision	Prepared By	Approved By
0	December 2017	Original	Lily Lin, Technical Program Manager	Michael Bisage, Technical Program Manager
1	March 2023	Update instrument list and wind roses	Lily Lin, Technical Program Manager	Michael Bisage, Technical Program Manager