

Review and Highlights from 2017-18

PRAMP Annual General Meeting
September 27, 2018



pramp

PEACE RIVER AREA MONITORING PROGRAM

Today's Presentation

- Overview of PRAMP
- Highlights from 2017-18
- Air Monitoring Results in the Peace River Area (2010 - March 2018)
- Looking Ahead



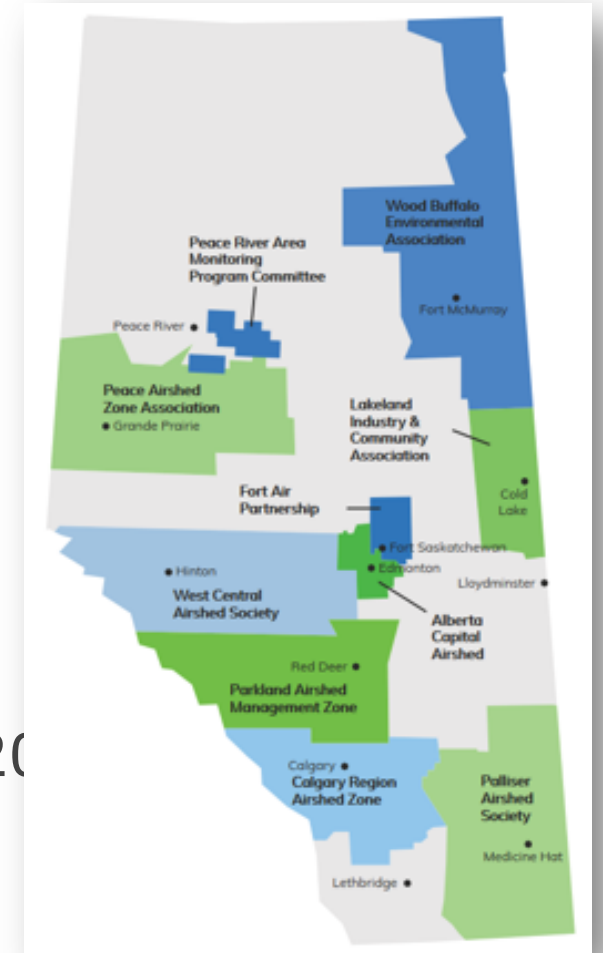
History of PRAMP

- Air monitoring in the Peace River area began in 2010
- Residents were concerned about odours, emissions, and health impacts
- Community members, industry, local government and the Government of Alberta began working together to address concerns
- Alberta Energy Regulator held an inquiry in 2014, and PRAMP formalized in 2015
- PRAMP recognized as an Airshed in 2016



Alberta's Airsheds

1. West Central Airshed Society (1995)
2. Wood Buffalo Environmental Association (1997)
3. Parkland Air Management Zone (1997)
4. Fort Air Partnership (1997)
5. Peace Airshed Zone Association (2002)
6. Palliser Airshed Society (2003)
7. Lakeland Industry and Community Association (2006)
8. Alberta Capital Airshed (2006)
9. Calgary Region Airshed Zone (2007)
10. Peace River Area Monitoring Program (2016)



PRAMP Operations

- Not-for-profit society
- 10 Directors on the Board from community, industry, government and Indigenous groups
- Part-time Executive Director, Technical Program Manager and Office Manager
- Air monitoring funded by Oil Sands Monitoring program through contract with AEP
- Outreach grant request pending with AEP





Highlights from 2017-18

Community Engagement

- Municipal District of Smoky River
- Northern Sunrise County
- Town of Falher
- Peace River Rotary Club
- Peace River Chamber of Commerce
- Office of the Minister of Energy
- Open House – Peace River



Information Sharing

- Quarterly newsletters
- Twitter
- Facebook

Spring 2018 PRAMP newsletter

PRAMP has partnered with Inside Education to offer a no-cost clean air education program to local schools. Learn more about the CARS Program for Cle ...

03/19/2018



Winter 2018 Newsletter

Our Winter 2018 PRAMP Newsletter is here - read more about how we are championing clean air in Peace River and meet our new Board members. Don't for ...

02/10/2018



PRAMP
@prampairshed
The Peace River Area Monitoring Program monitors odours, emissions and air quality to ensure a healthy environment in the Peace River area.

Tweets 138 Following 115 Followers 53 Likes 52 Lists 0 Moments 0 [Edit profile](#)

Tweets Tweets & replies Media

PRAMP @prampairshed · Sep 14
Check out our latest newsletter and learn how we will be choosing a site for our new #AQHI station. We welcome your input!

PRAMP
Peace River Area Monitoring Program

Your Tweet activity
Your Tweets earned 1,655 impressions over the last 28 days
[View your top Tweets](#)



School Programs



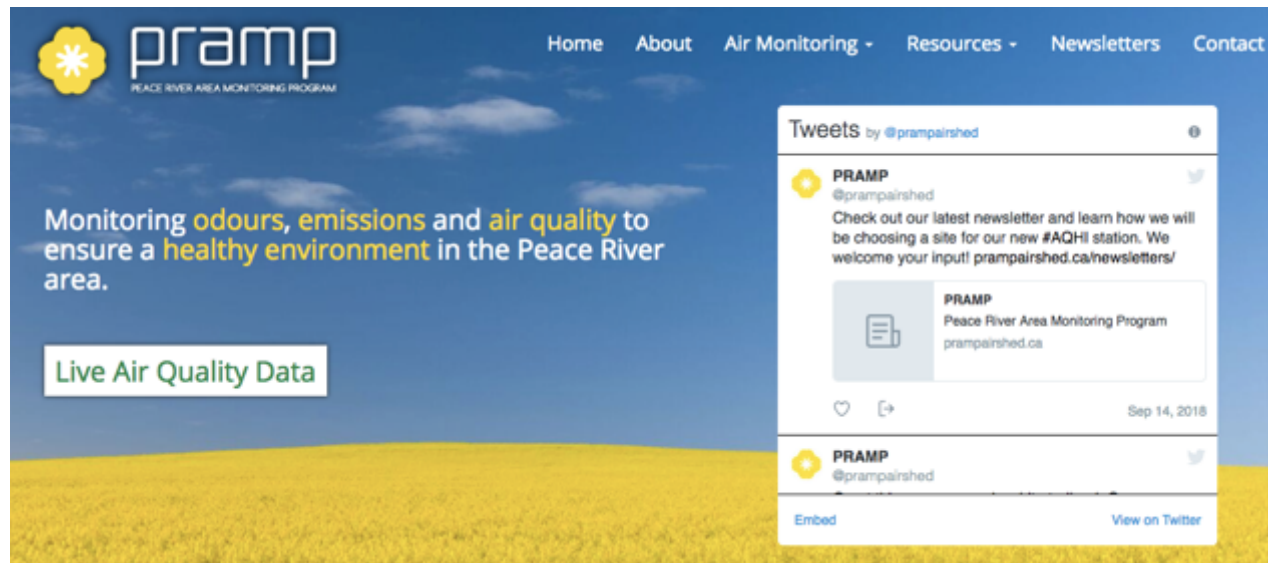
- Partnered with Inside Education to deliver air quality curriculum to 5 area schools, reaching 200 students and teachers



Community Annual Report Promotional Material



PRAMP Website



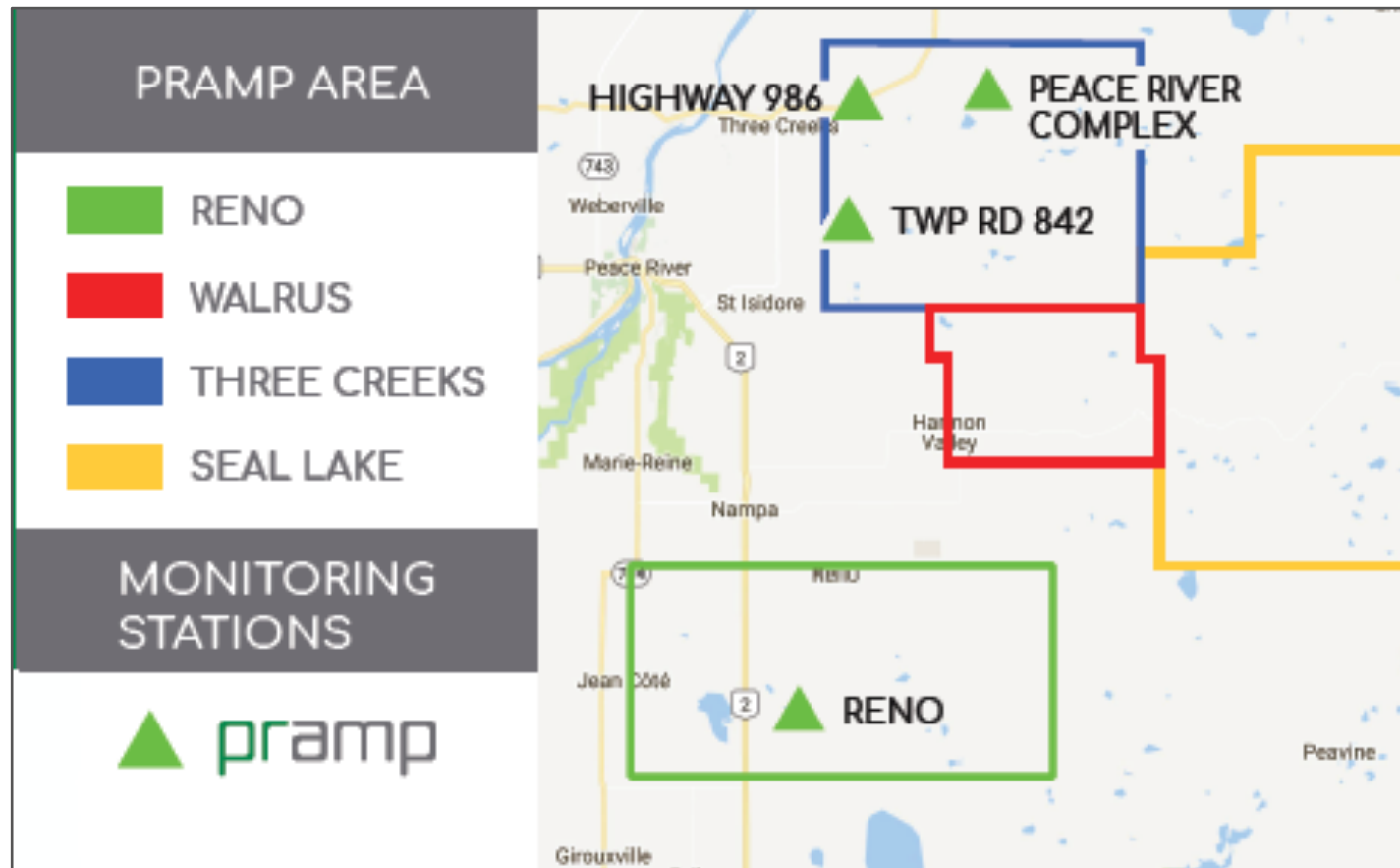
- Near real-time data from all stations
- Technical reports
- Board meeting notes
- Members' Portal





Air Monitoring Results

Monitoring Network



Continuously Monitored:
Sulphur Dioxide, Total Reduced Sulphurs, Methane, Non-Methane Hydrocarbons, Wind Speed, Wind Direction, Relative Humidity, Temperature, Barometric Pressure

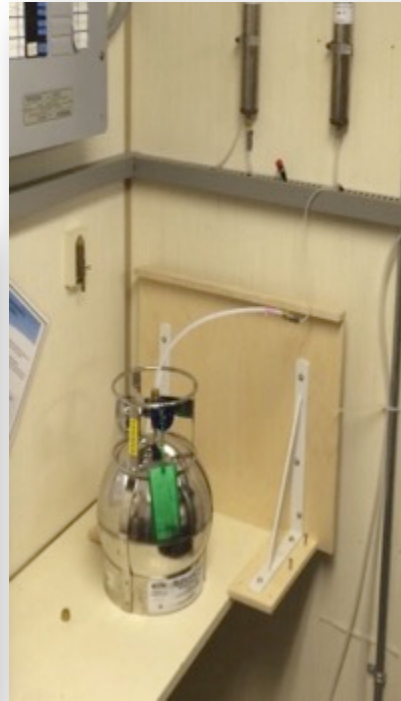
Intermittently Monitored:
Volatile Organic Compounds



Monitoring Methods



Continuous



Canister

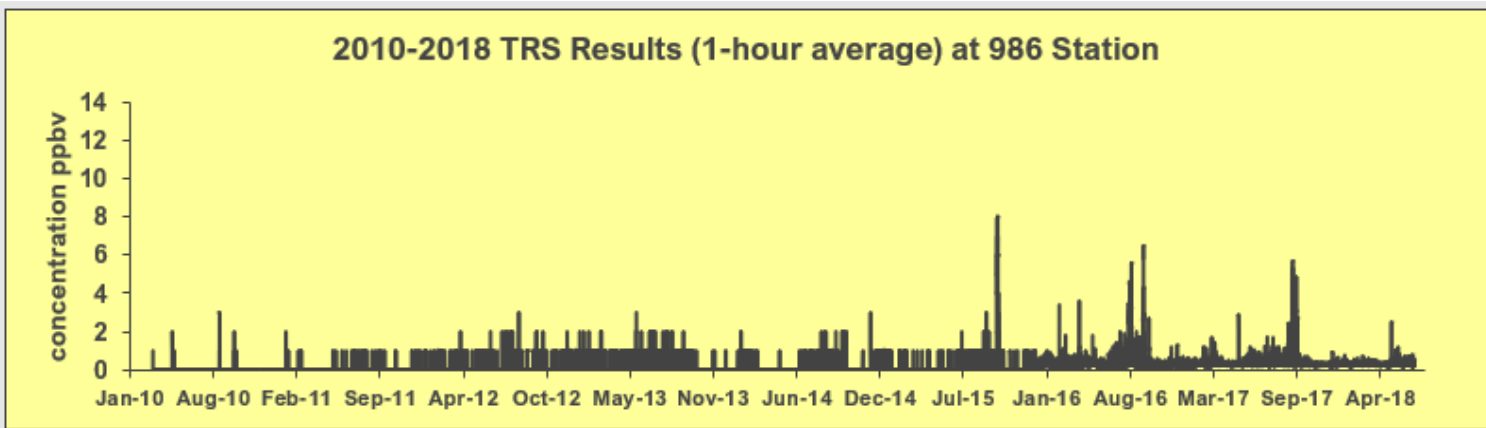


**Passive
(future)**

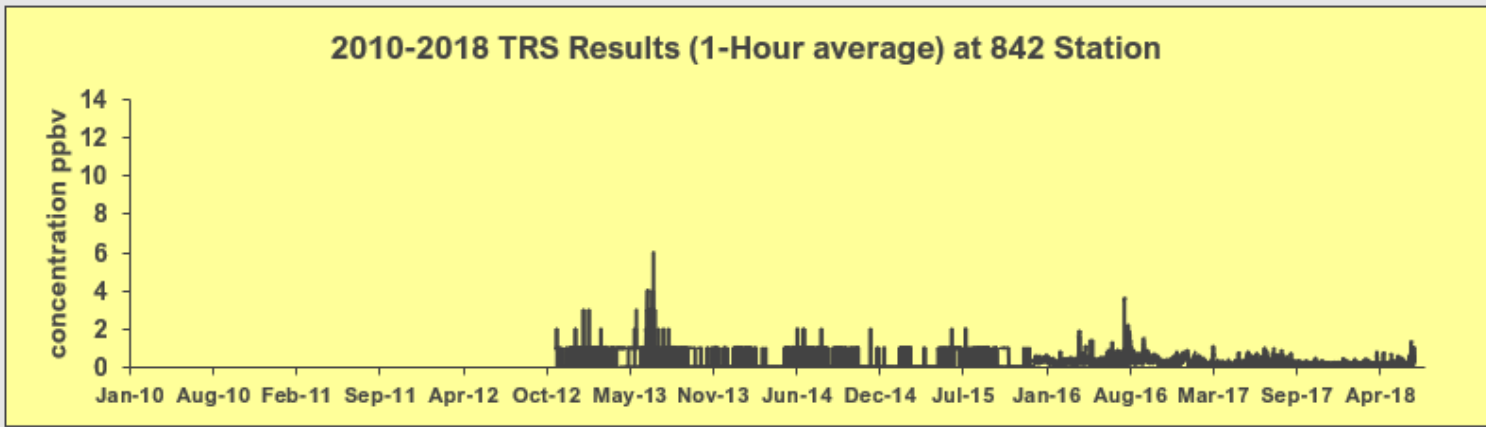


Total Reduced Sulphur

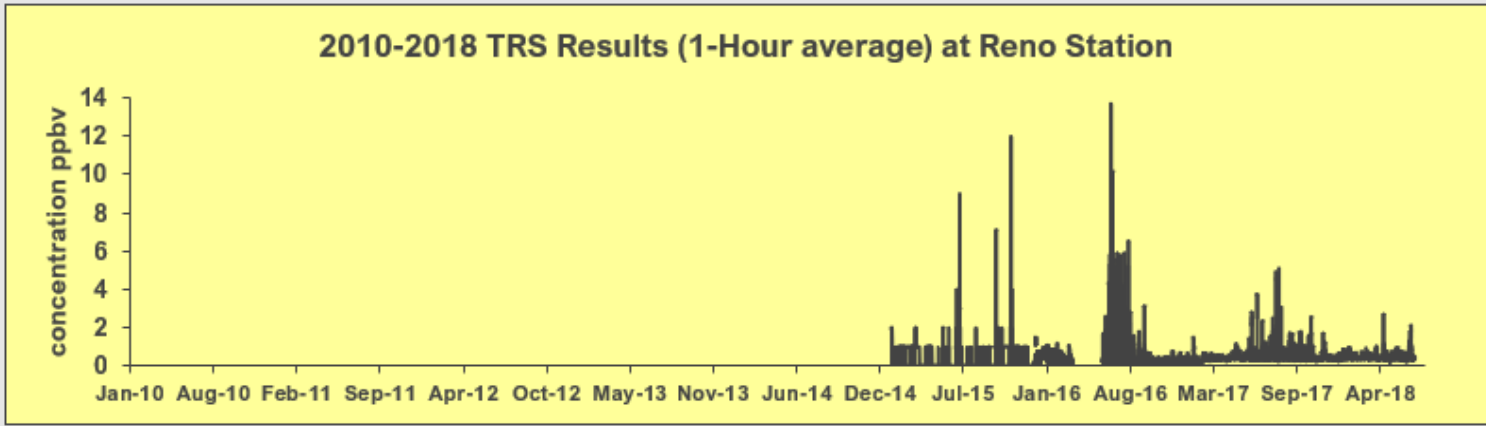
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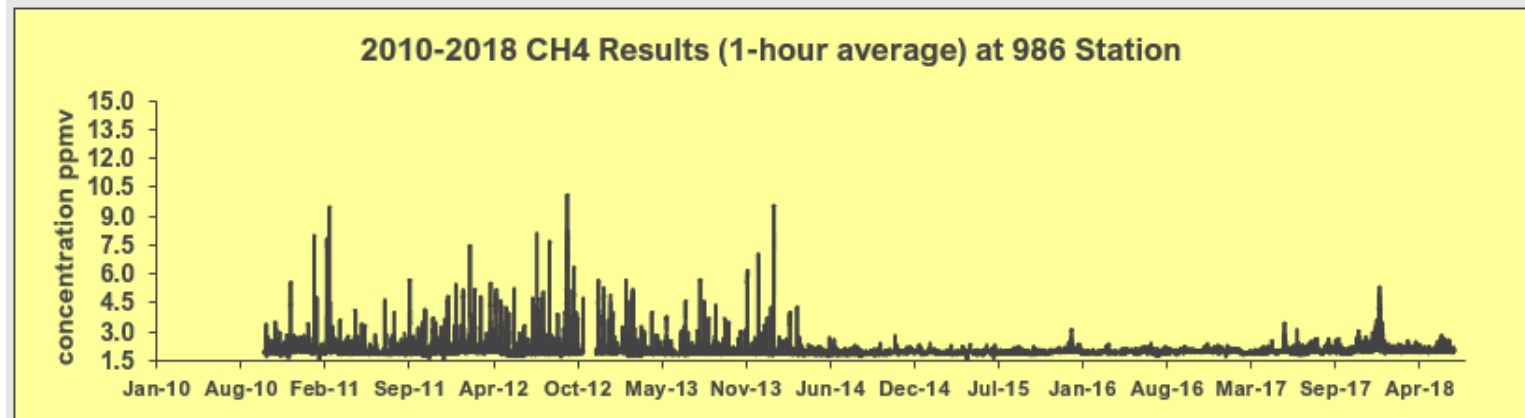


Reno

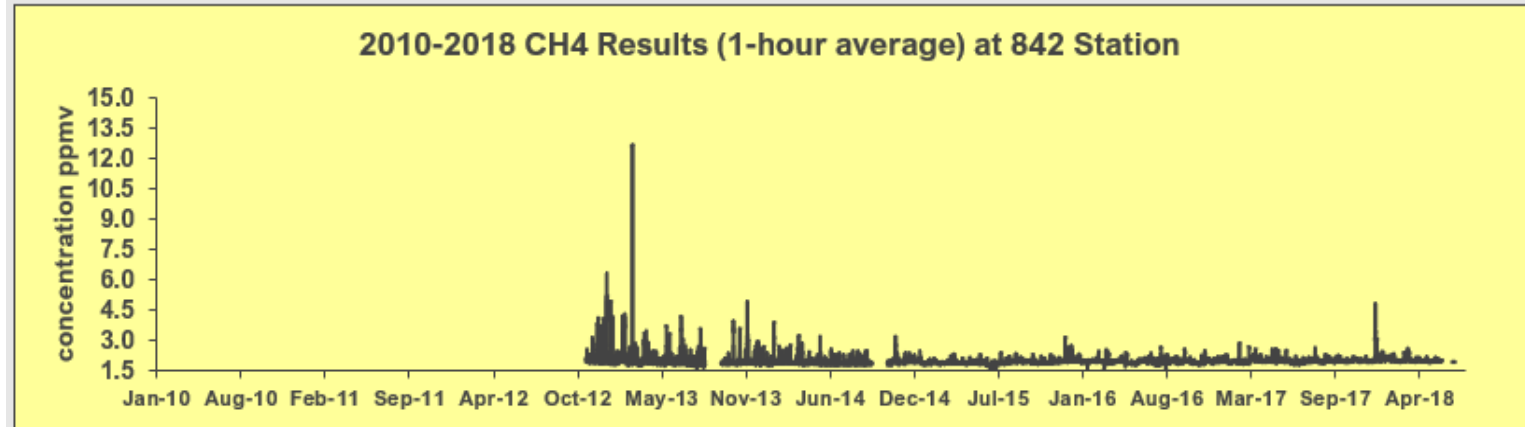


Methane

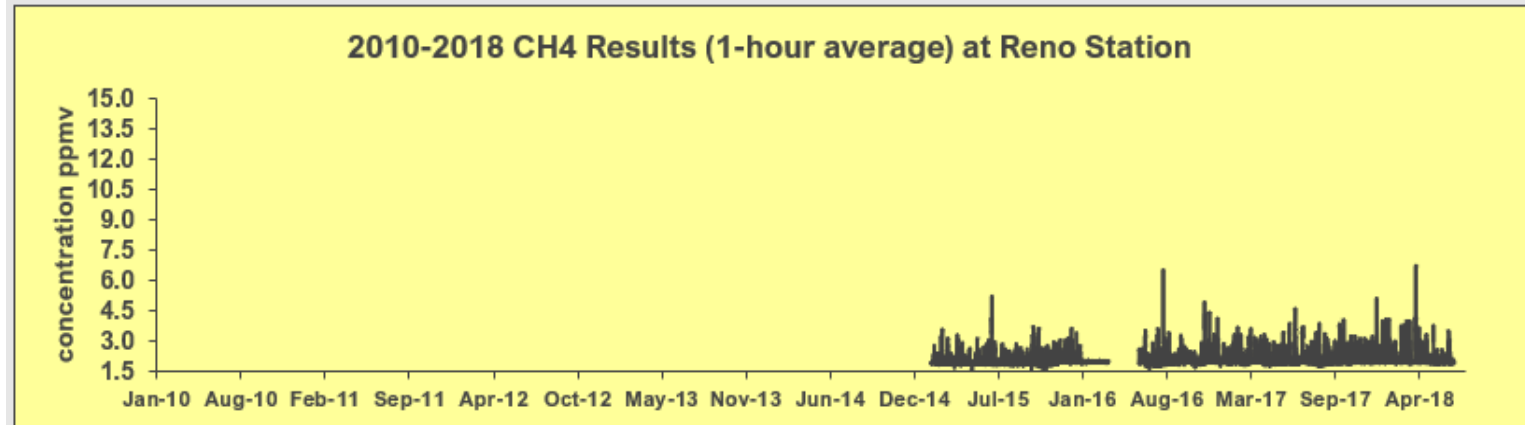
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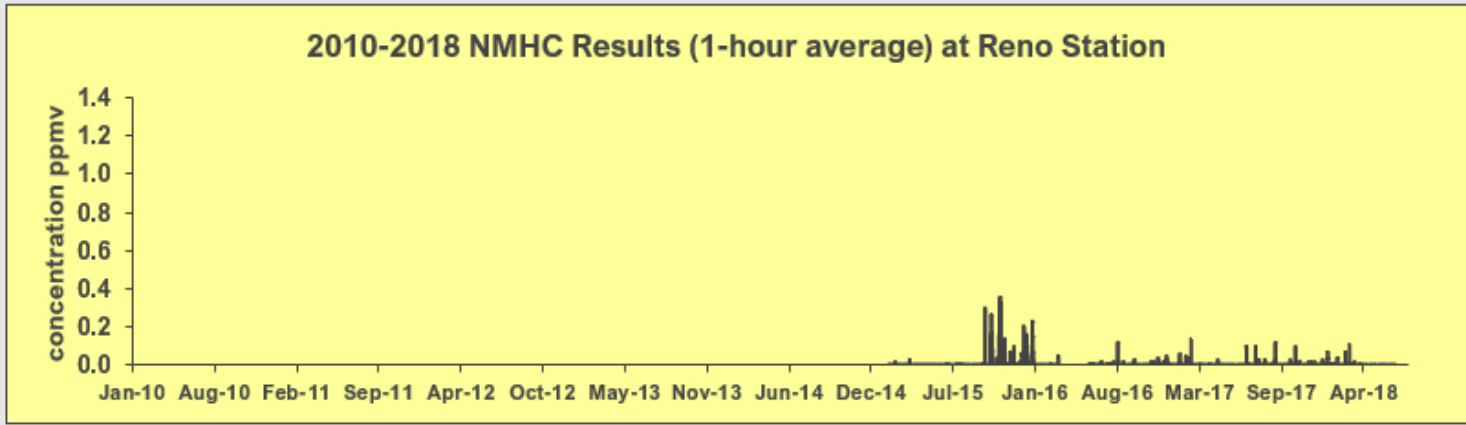
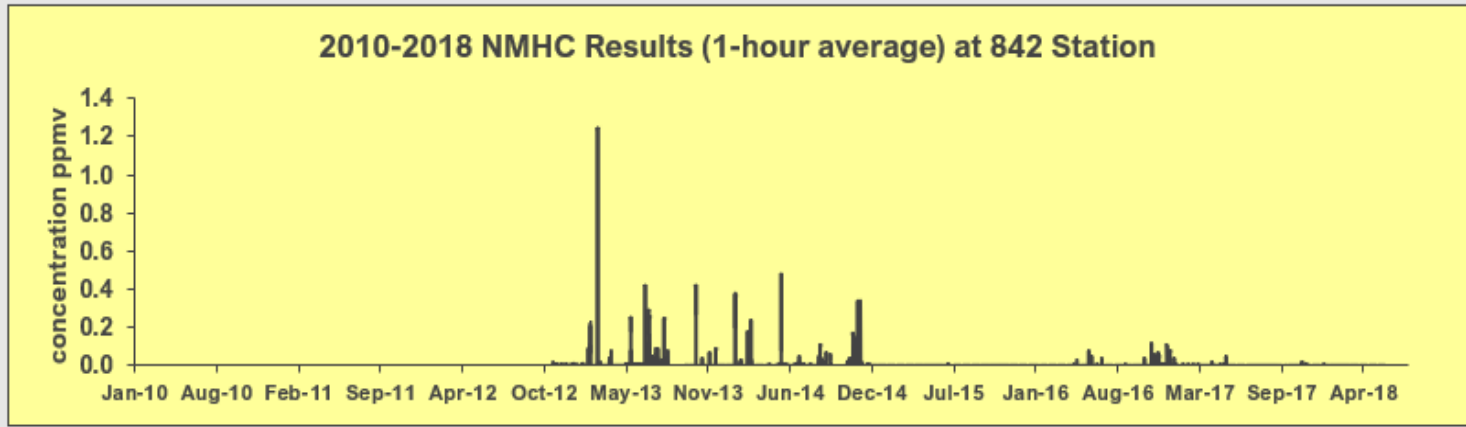
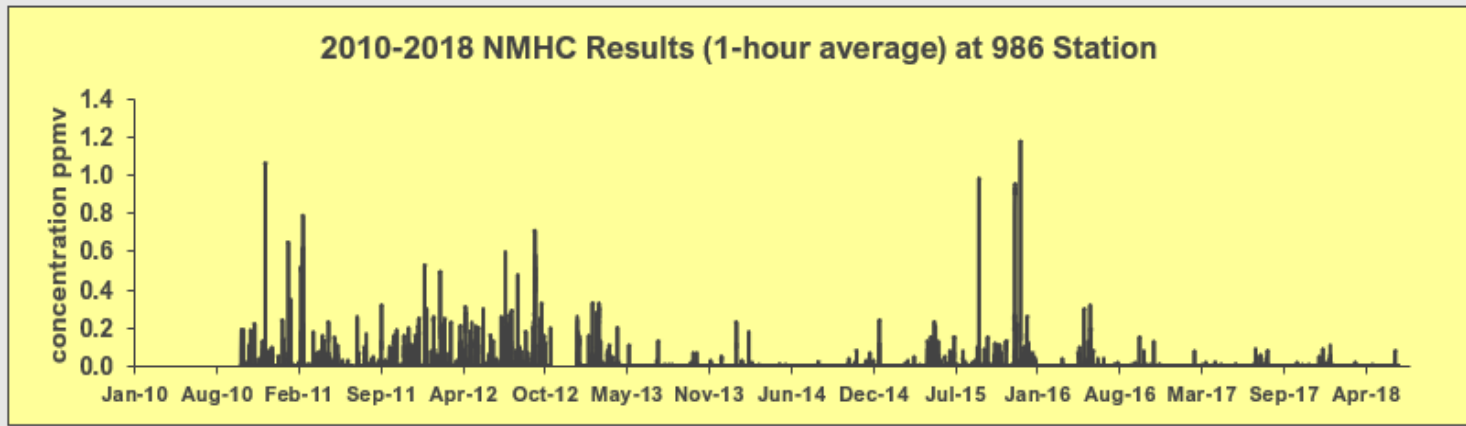


Non-Methane Hydrocarbons

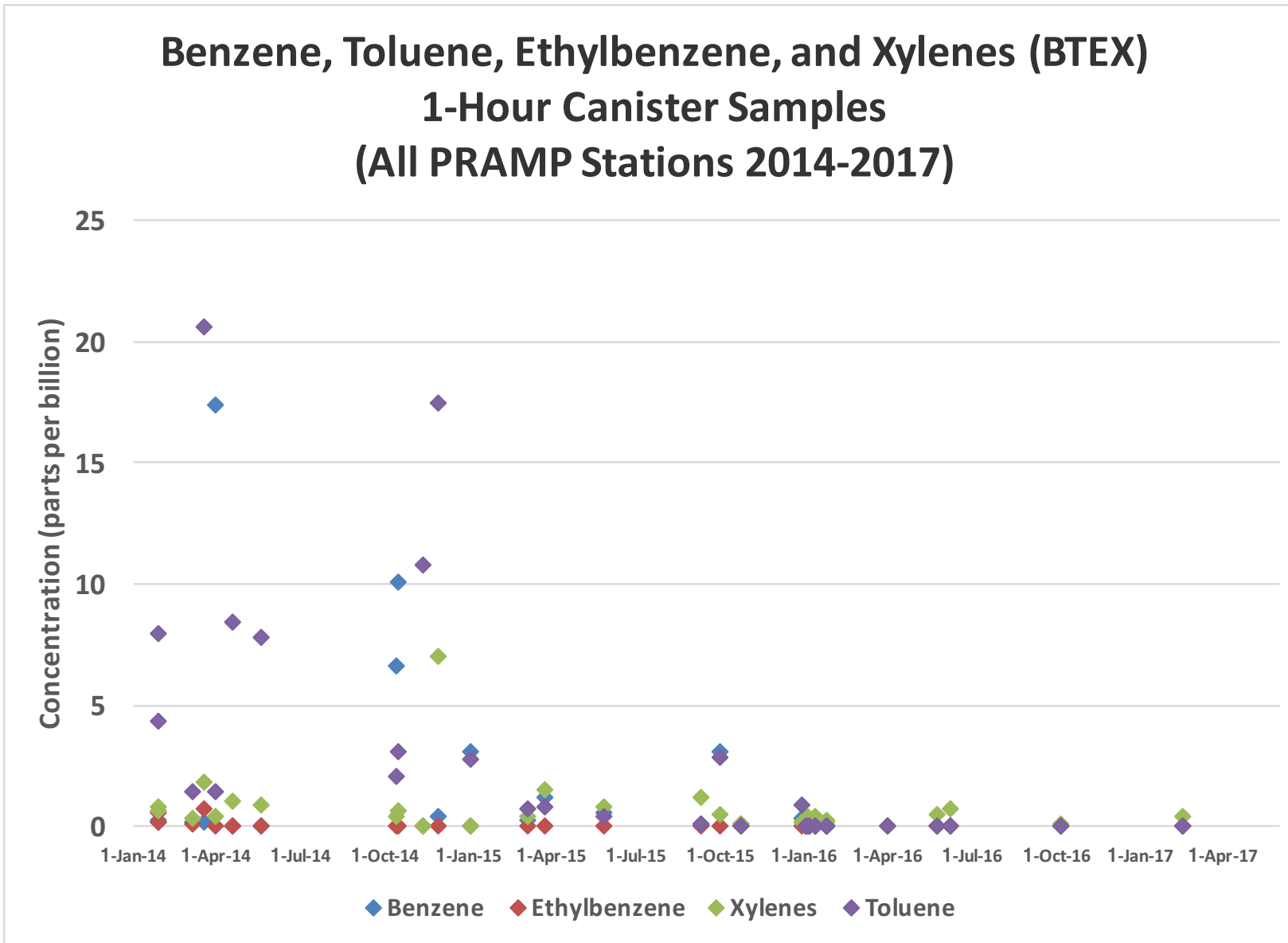
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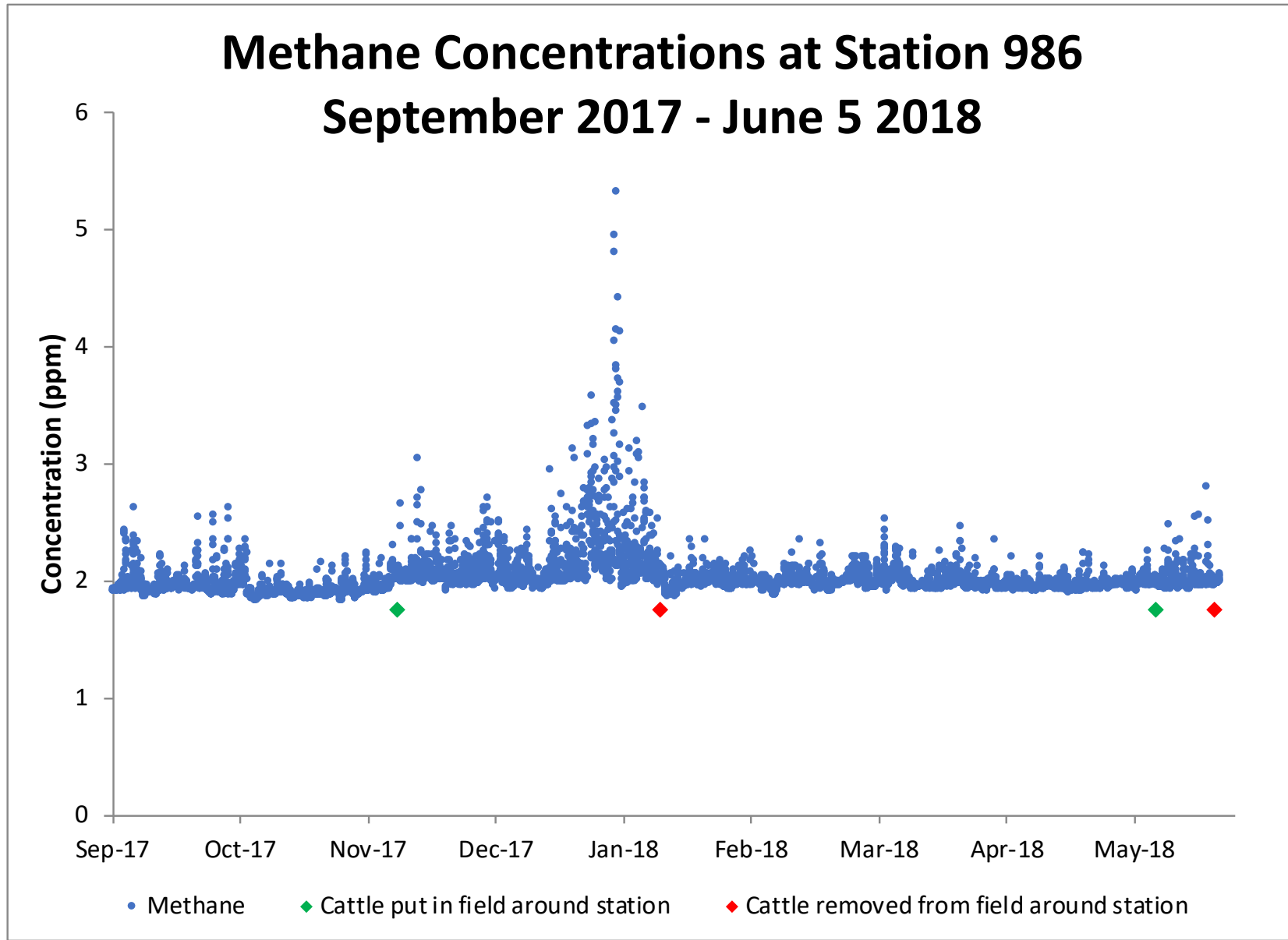
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AQ Snapshot: VOCs



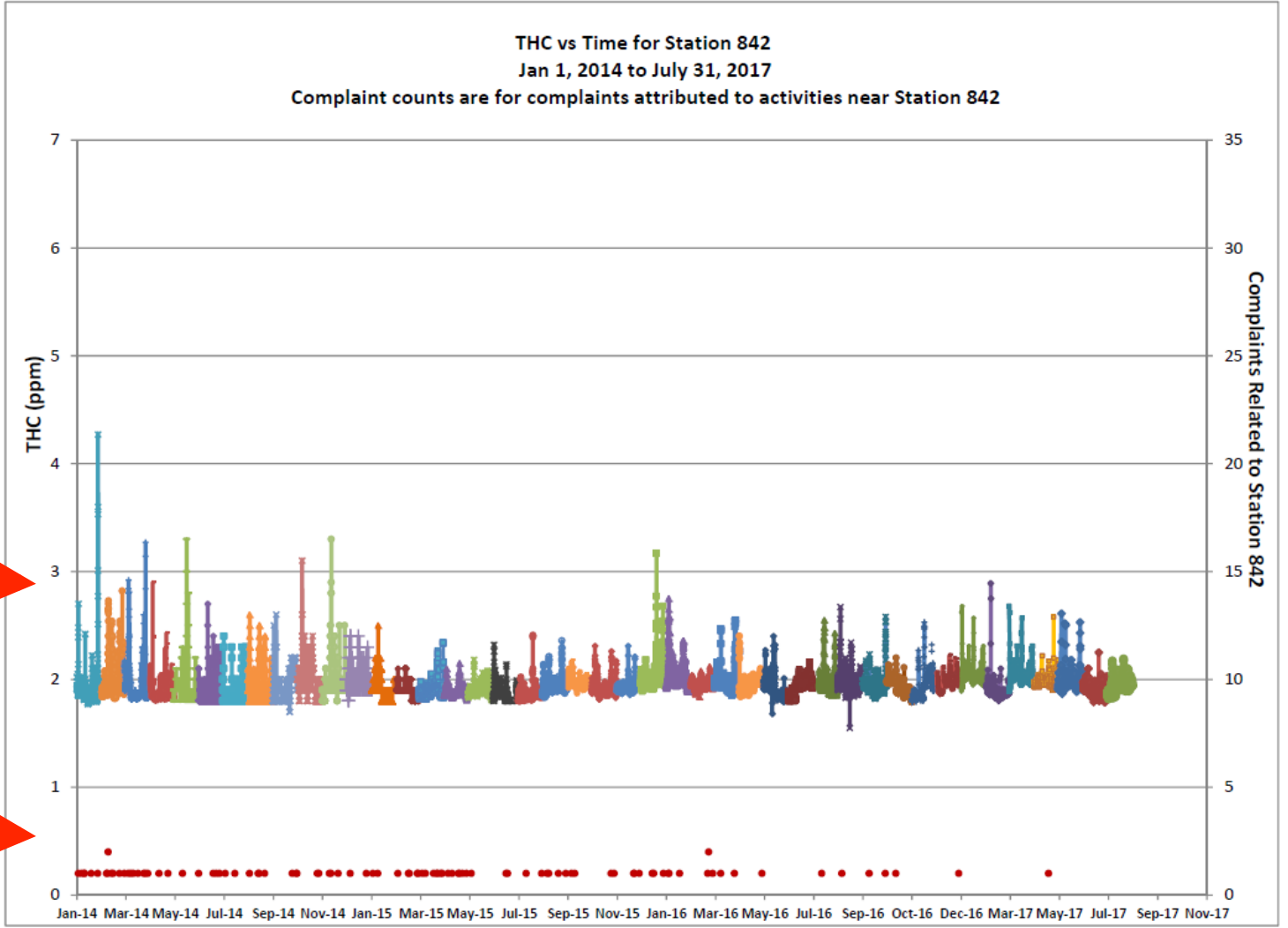
AQ Snapshot: Source Identification



AQ Snapshot: Complaints

Concentration

Complaints



Summary

- The frequency of elevated hydrocarbon events has come down over time
- The frequency of triggered canister events has come down over time
- The number of complaints received by government agencies has come down over time
- Both the place-based regulatory framework implemented by the AER and the process improvements and mitigation measures adopted by local industry have resulted in improvements in air quality
- Ongoing monitoring and assessment is required
- Further analysis of canister data is required



Looking ahead

New air monitoring station

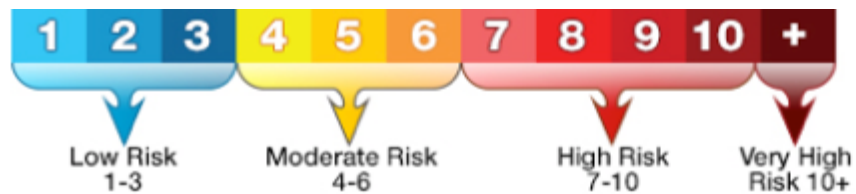
- Will provide first AQHI information for Peace River area
- Portable – could be moved at 6-12 month intervals
- Location - TBD

Review of boundaries and location of stations

- Working with communities, Indigenous groups, AEP and AER to assess monitoring gaps

Increasing education

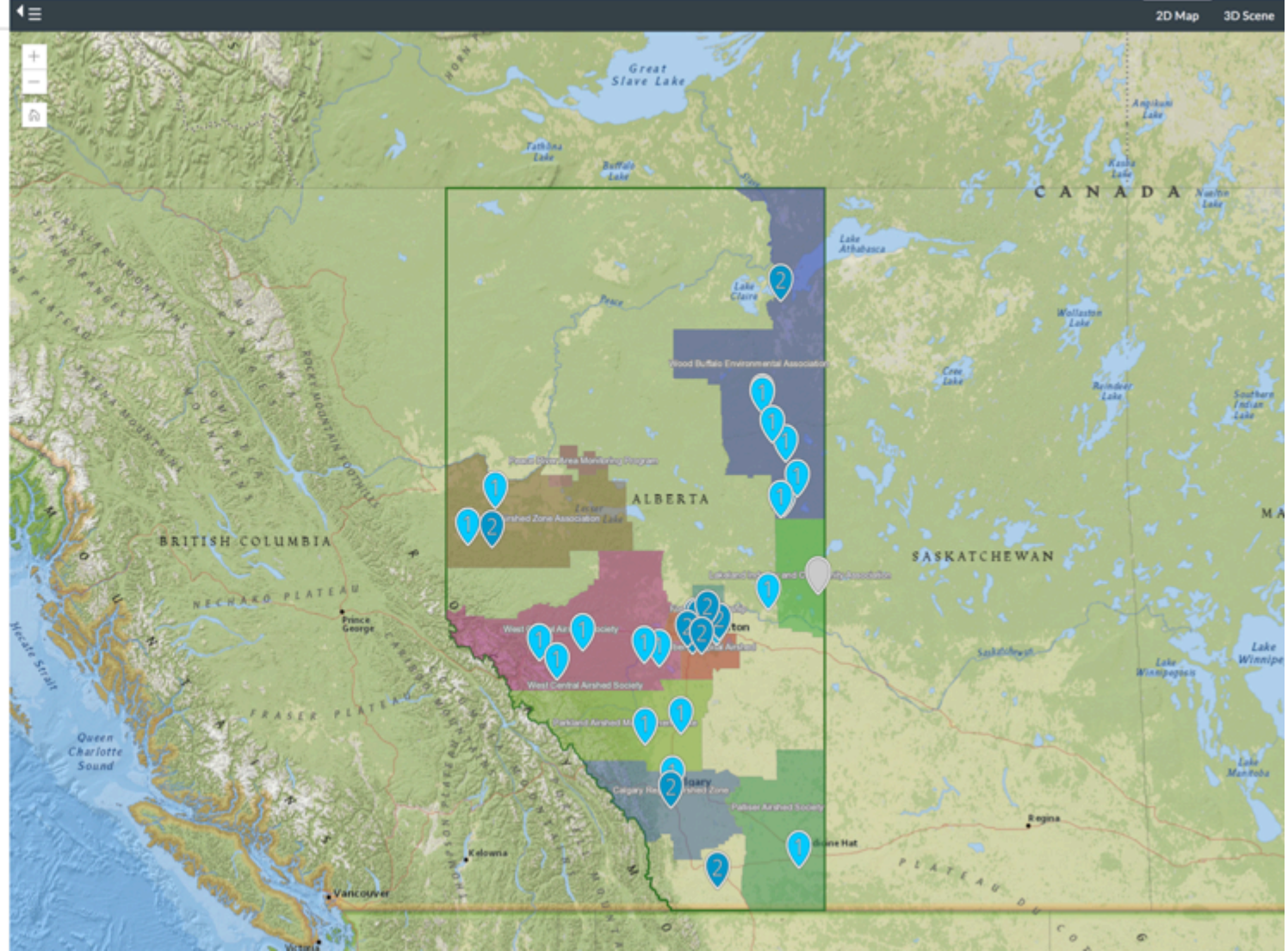
- Depending on outreach funding, will continue to offer school programs and community education about air quality



AQHI as of: Sep 5 2018 09:00




Community	AQHI	Maximum AQHI Forecast			Last Update
		Today	Tonight	Tomorrow	
Airdrie	1	3	3	3	10:00
Anzac	1	2	2	1	10:00
Beaverlodge	1	2	2	2	10:00
Bon Accord	2	2	2	2	10:00
Bruderheim	1	2	2	2	10:00
Calgary	2	3	3	3	10:00
Caroline	1	Area not forecasted			10:00
Cold Lake	N/A	2	2	2	N/A
Conklin	1	Area not forecasted			10:00
Edmonton	2	3	3	3	10:00
Edson	1	Area not forecasted			10:00
Elk Island	1	2	2	2	10:00
Fort Chipewyan	2	2	2	2	10:00
Fort McKay	1	2	2	1	10:00
Fort McKay South	1	2	2	1	10:00
Fort McMurray	1	2	2	1	10:00
Fort Saskatchewan	2	2	2	2	10:00
Genesee	1	2	2	2	10:00
Gibbons	2	2	2	2	10:00
Grande Prairie	2	2	2	2	10:00
Hinton	1	Area not forecasted			10:00
Janvier	1	Area not forecasted			10:00
Lamont County	2	2	2	2	10:00
Lethbridge	2	2	2	3	10:00
Medicine Hat	1	2	2	2	10:00
Red Deer	1	2	2	2	10:00
Redwater	2	2	2	2	10:00
Rycroft	1	Area not forecasted			10:00
St. Albert	2	3	3	3	10:00
St. Lina	1	2	2	2	10:00
Steeper	1	Area not forecasted			10:00
Stony Mountain	1	Area not forecasted			10:00
Strathcona County	2	3	3	3	10:00
Tomahawk	1	2	2	2	10:00



Connect with us

- Check out our website
 - <https://www.prampairshed.ca/>
- Sign up for our newsletter
- We want to connect – let us know about local events
- PRAMP AGM September 27



Open House Invitation
Thursday, October 26
5:00 to 8:00 pm
Java Domain
10107 100 Street, Peace River

Bring your questions and join our discussion about air quality in the Peace River area. Everyone welcome. Light supper served.

A graphic for an open house invitation. On the left is a small photo of a man in a plaid shirt holding a tablet. To the right is a dark grey box with white text containing the event details. Below the box is a line of smaller white text.

Caring for Clean Air

What We Do at PRAMP
Monitor Air Pollutants and Meteorology

Air quality is dependent on the rate at which pollutants are emitted and dispersed into the atmosphere.



Questions?



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PEACE RIVER AREA MONITORING PROGRAM