May 2012

Air Quality Monitoring Dashboard Report

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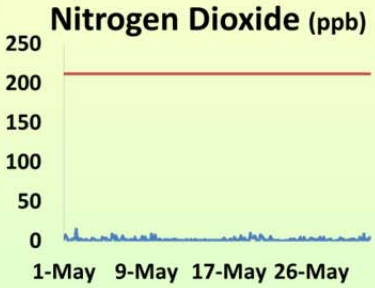
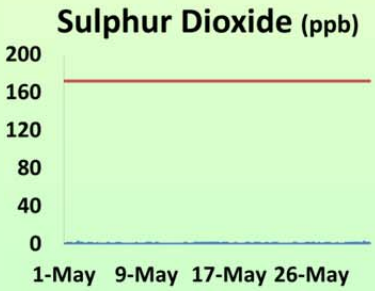
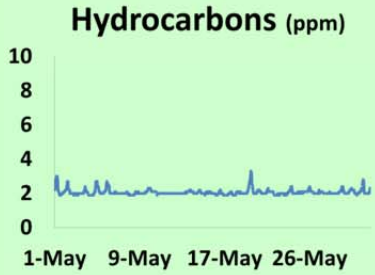
Continuous Monitoring Stations

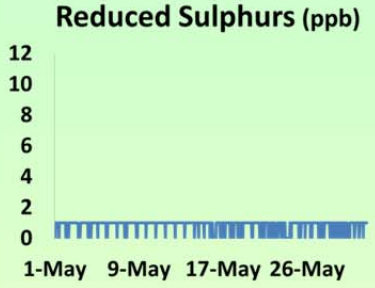
May 2012

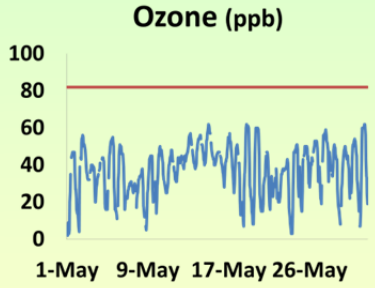
Cold Lake

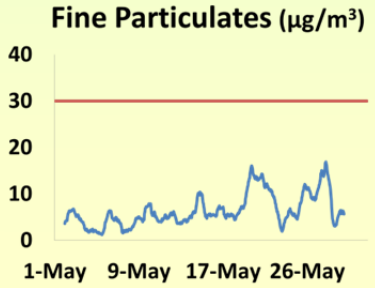












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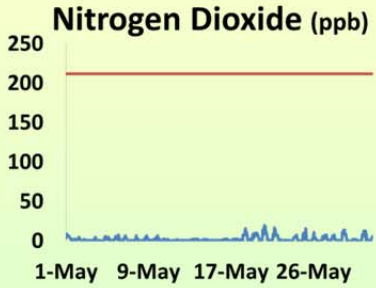
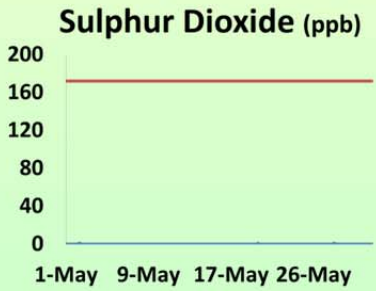
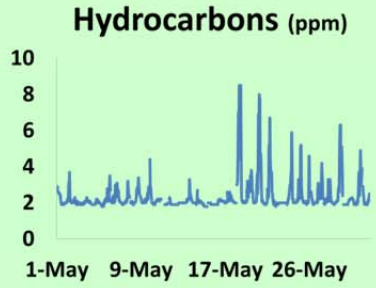
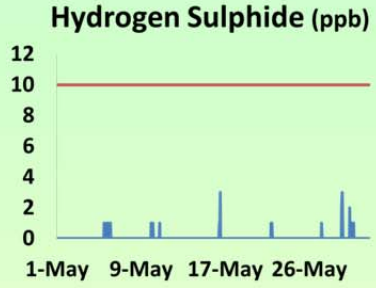
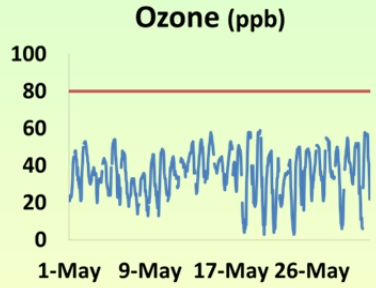
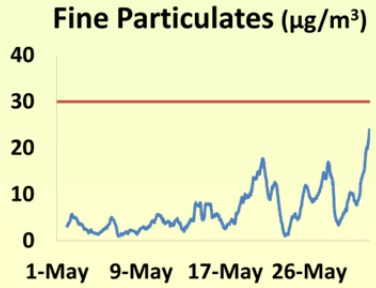




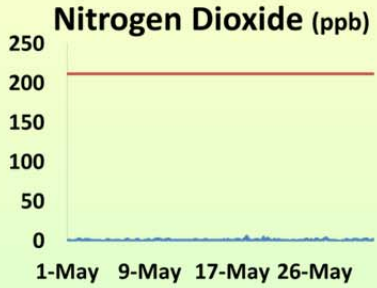


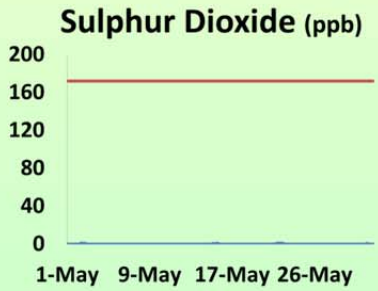


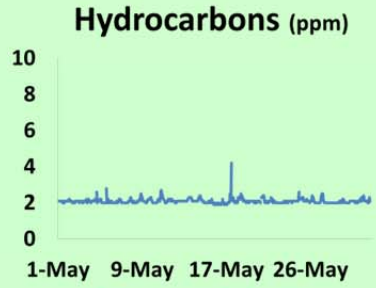


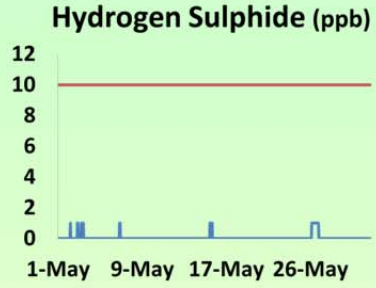


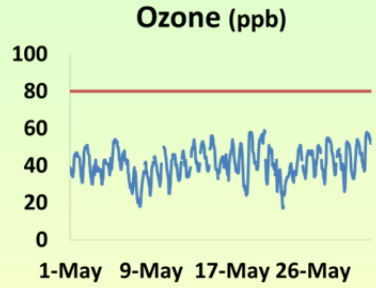
St. Lina

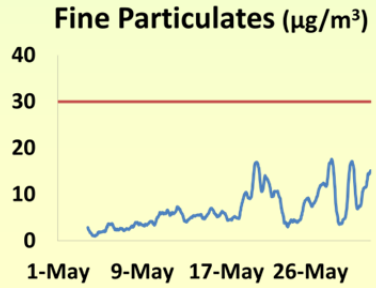




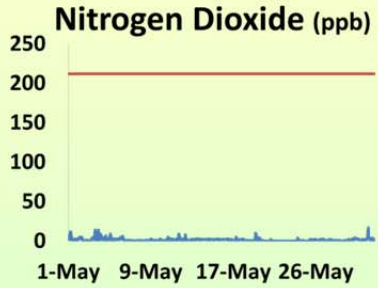


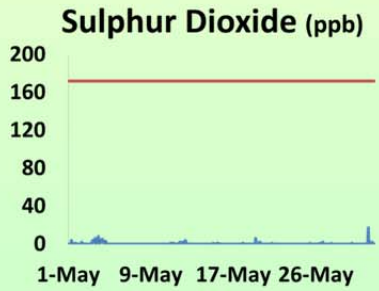


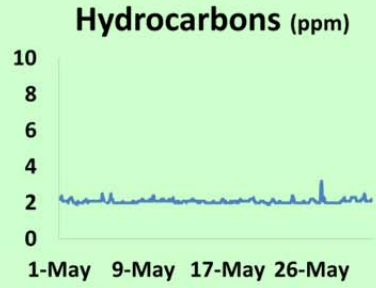


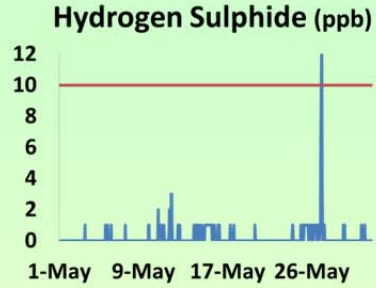


Maskwa









Notable observations for May 2012:

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Continuous Monitoring Stations

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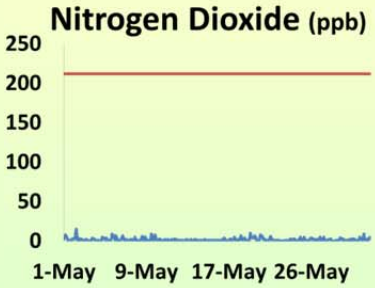

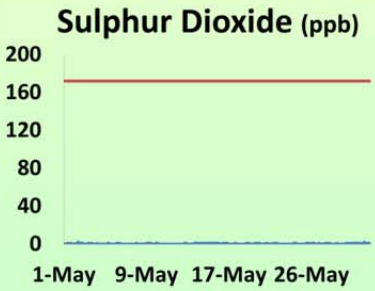

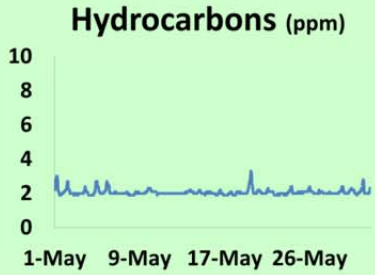

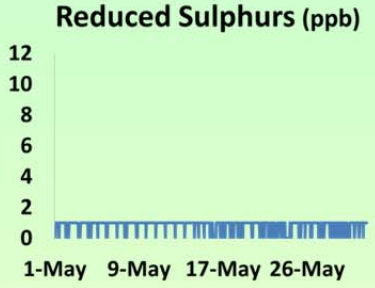

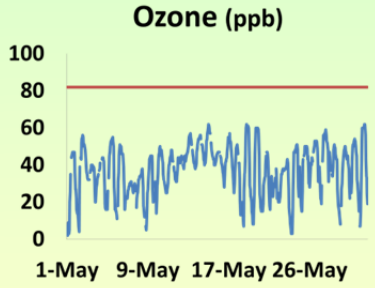

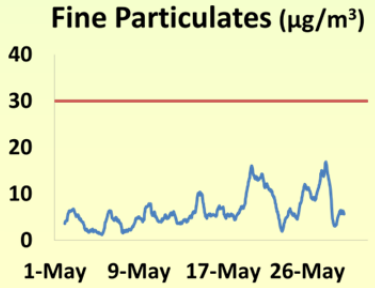

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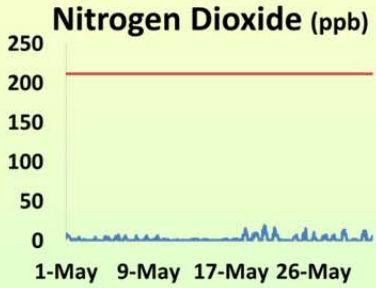

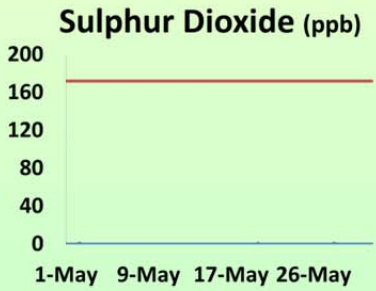

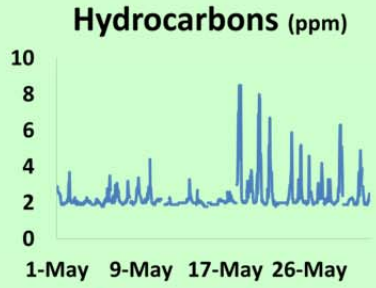

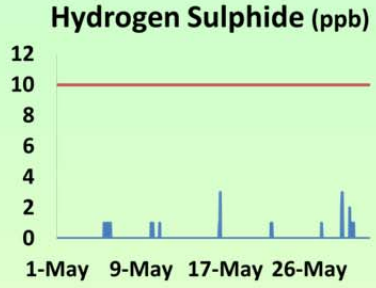

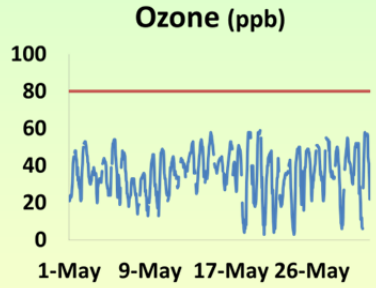

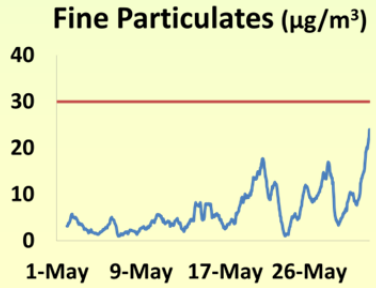

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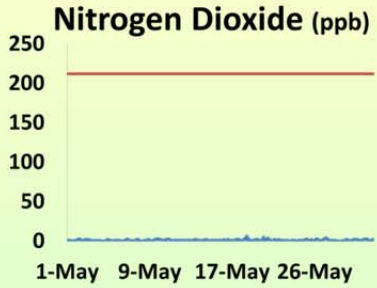

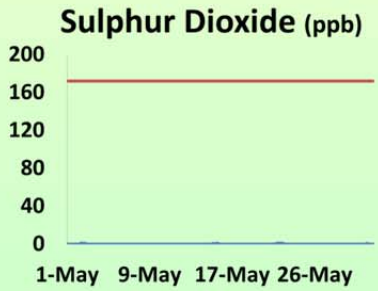

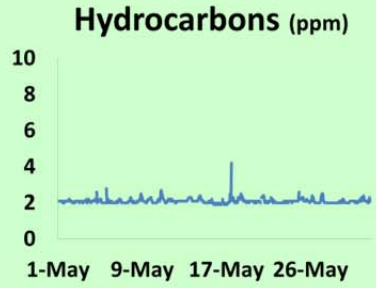

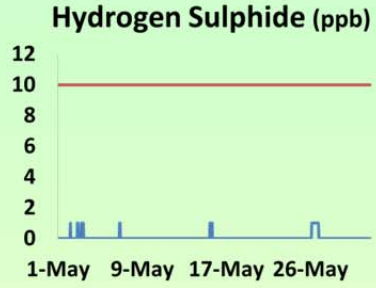

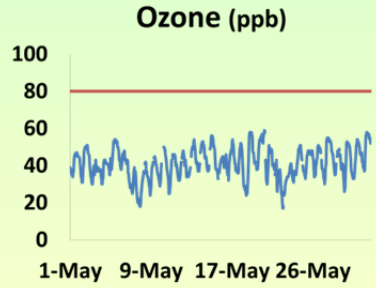

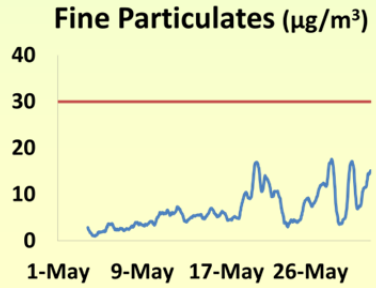

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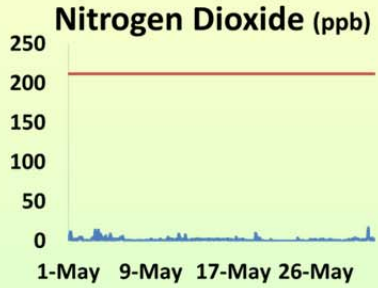

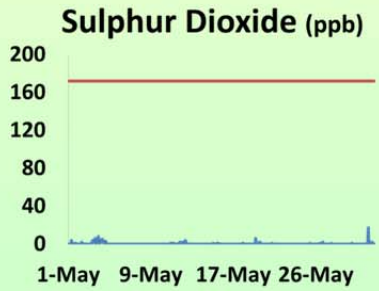

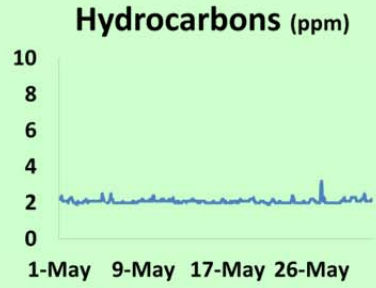

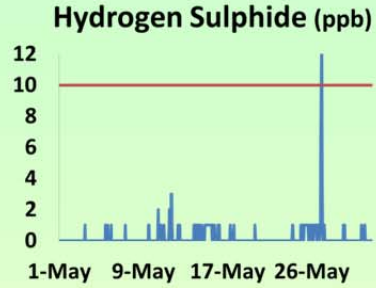

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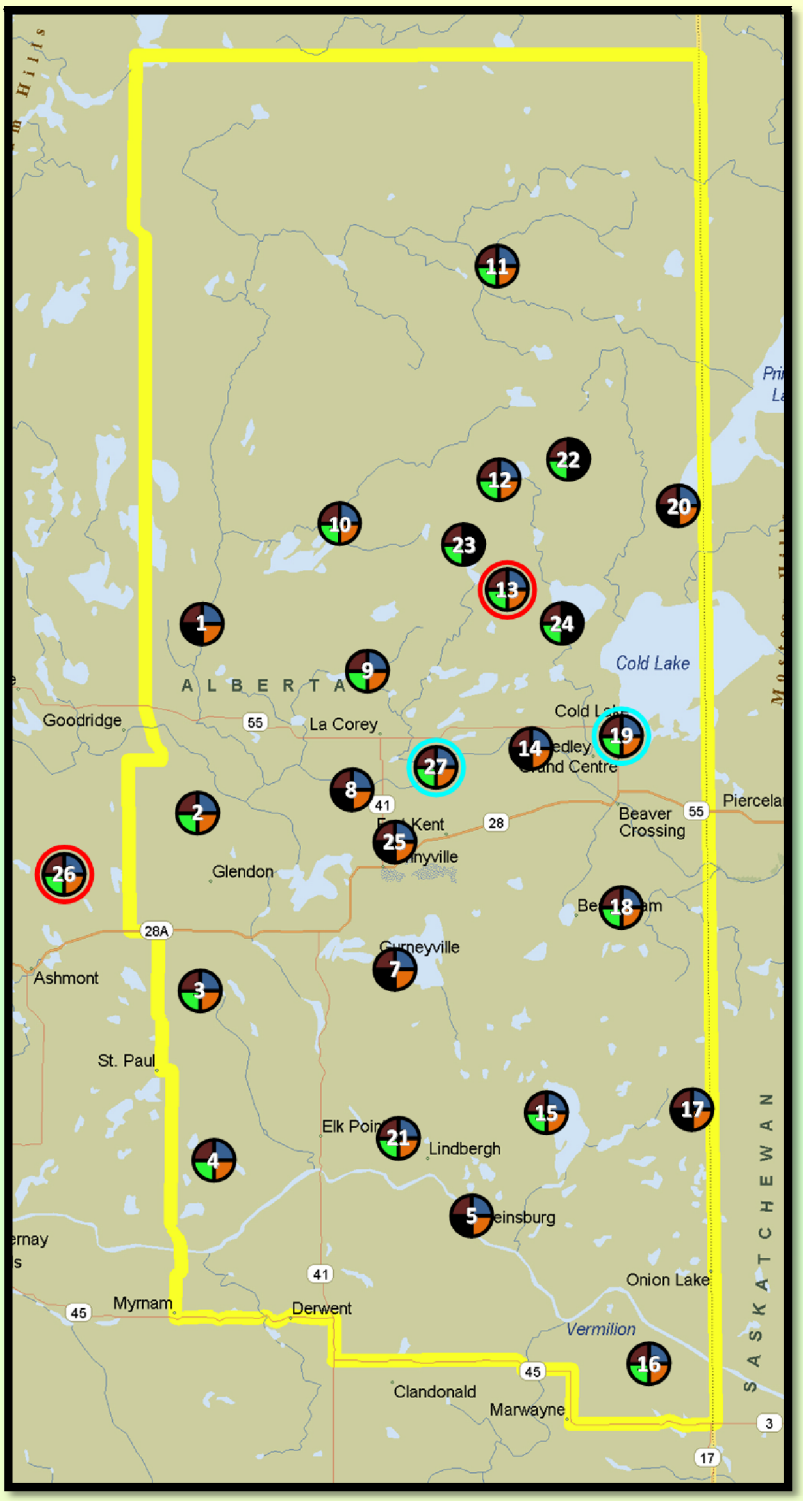
Monitoring Network Map



Understanding the Monitoring Network

The ***passive monitoring stations*** generally follow a 3 x 3 township grid pattern throughout the region and samples are analyzed once per month. The data collected from the passive stations are used for regional air quality pattern recognition and long term trend analyses for ozone, nitrogen dioxide, sulphur dioxide, and hydrogen sulphide.

The ***continuous monitoring stations*** provide up-to-the-minute (nearly instantaneous) measurements of ambient concentrations for several substances. Continuous sampling involves drawing air through an analyzer calibrated to produce an output that is proportional to the ambient concentration.

Legend

Passive Monitor:
Sulphur Dioxide

Passive Monitor:
Ozone

Passive Monitor:
Nitrogen Dioxide

Passive Monitor:
Hydrogen Sulphide

Continuous Monitor:
Sulphur Dioxide, Hydrogen Sulphide, Oxides of Nitrogen, Total Hydrocarbons, Meteorology

Continuous Monitor:
Sulphur Dioxide, Total Reduced Sulphurs, Oxides of Nitrogen, Ozone, Total Hydrocarbons, Particulate Matter, Polycyclic Aromatic Hydrocarbons, Volatile Organic Compounds, Meteorology

Station Identification *(click on station name to view in Google Maps)*

1 Sand River
2 Therien
3 Flat Lake
4 Lake Eliza
5 Telegraph Creek
7 Muriel-Kehewin
8 Dupre
9 La Corey
10 Wolf Lake
11 Foster Creek
12 Primrose
13 Maskwa
14 Ardmore
15 Frog Lake
16 Clear Range
17 Fishing Lake
18 Beaverdam
19 Cold Lake South
20 Medley-Martineau
21 Fort George
22 Burnt Lake
23 Mahihkan
24 Hilda Lake
25 Town of Bonnyville
26 St. Lina
27 Portable Station