

**July 2012**

# **Air Quality Monitoring**

# **Dashboard Report**

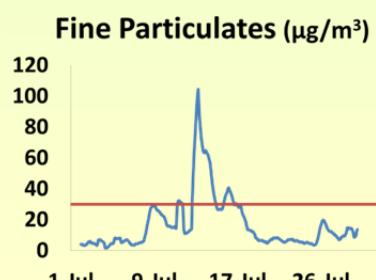
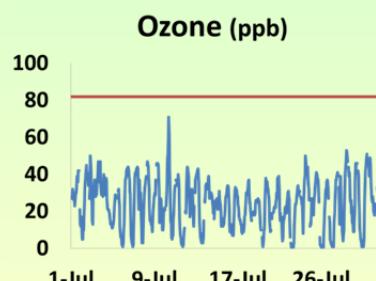
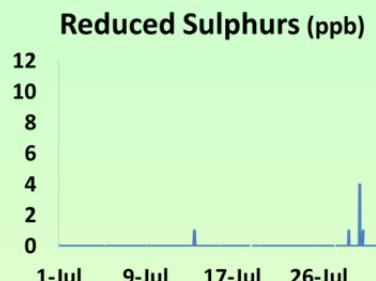
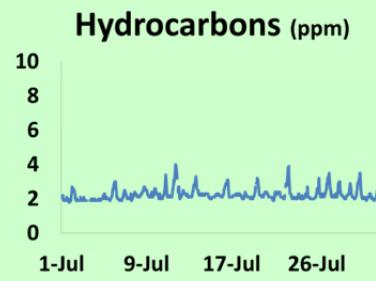
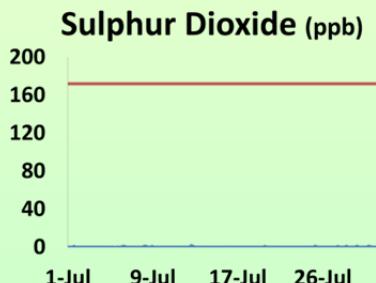
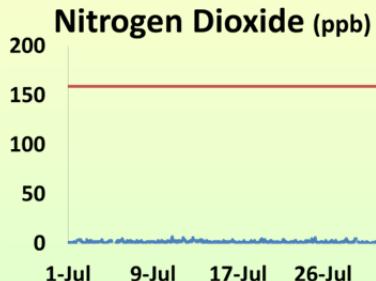
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Bonnyville, AB, Canada T9N 2J5  
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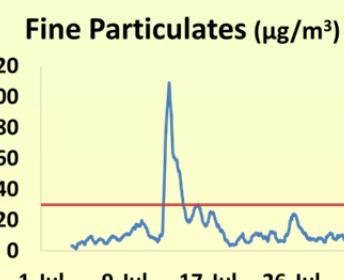
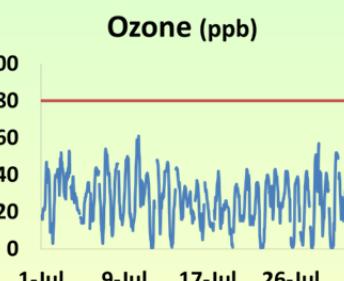
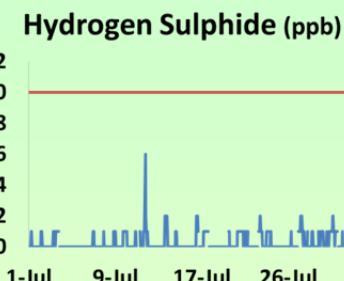
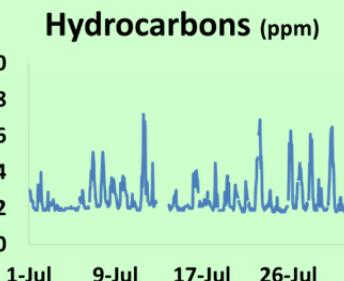
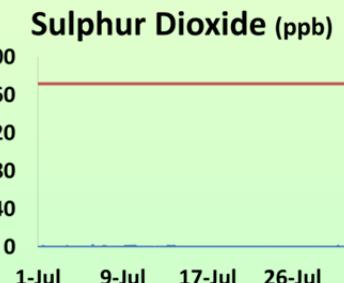
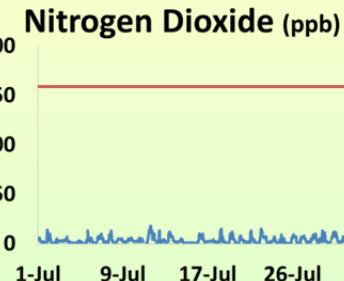
# Continuous Monitoring Stations

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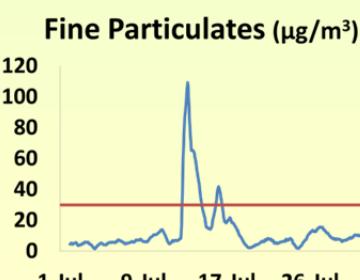
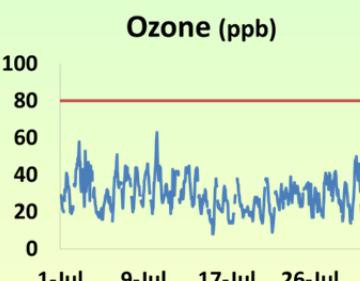
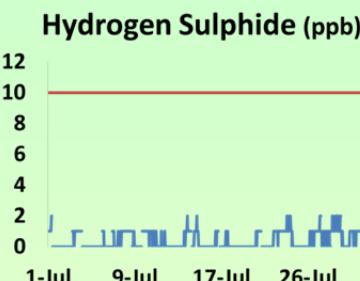
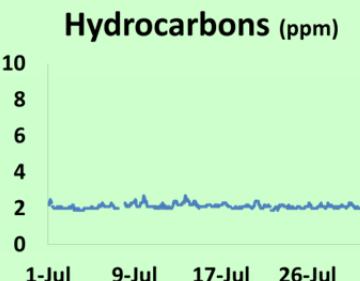
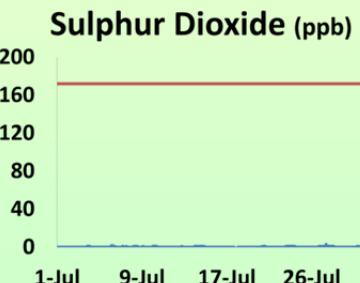
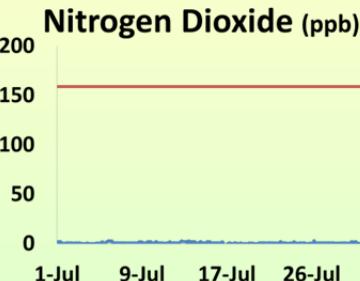
## Cold Lake



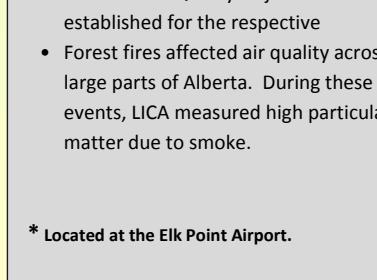
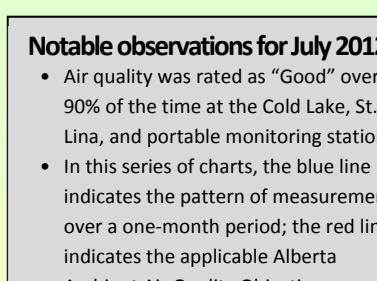
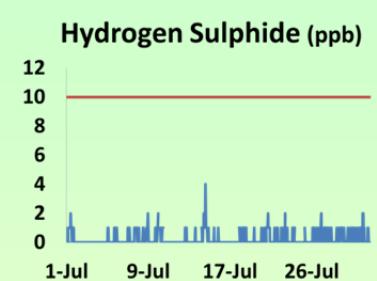
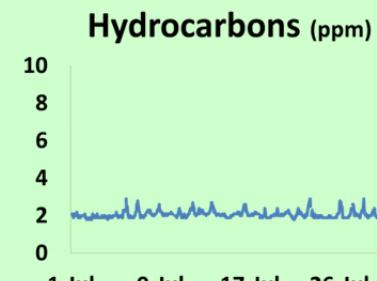
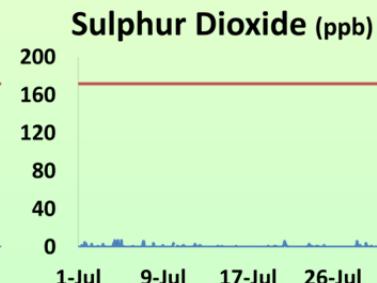
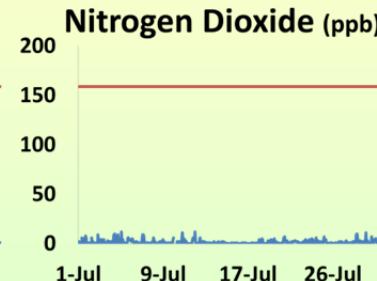
## Portable\*



## St. Lina



## Maskwa



### Notable observations for July 2012:

- Air quality was rated as "Good" over 90% of the time at the Cold Lake, St. Lina, and portable monitoring stations.
- In this series of charts, the blue line indicates the pattern of measurements over a one-month period; the red line indicates the applicable Alberta Ambient Air Quality Objective established for the respective
- Forest fires affected air quality across large parts of Alberta. During these events, LICA measured high particulate matter due to smoke.

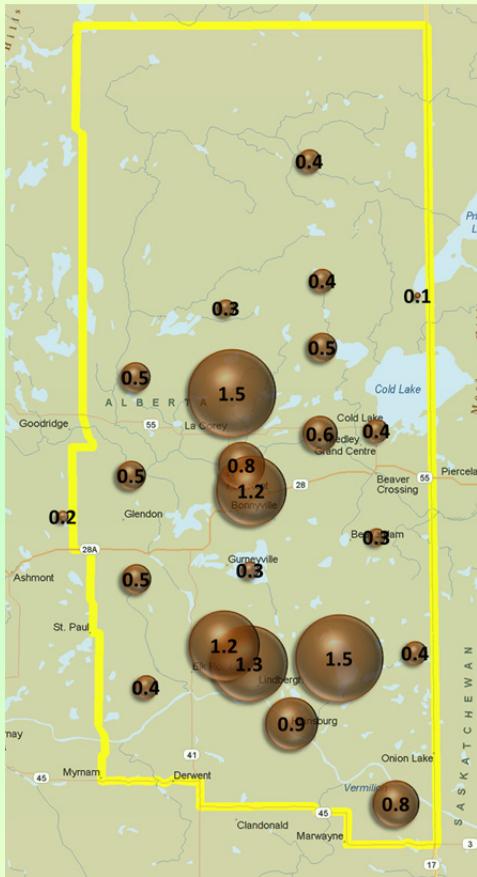
\* Located at the Elk Point Airport.

# Passive Monitoring Stations

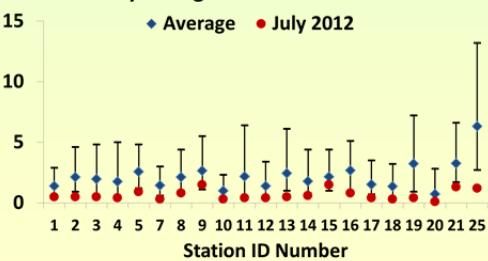
July 2012

To illustrate the spatial patterns of the parameters monitored in the LICA passive monitoring network, this series of bubble maps present monthly average concentrations in parts per billion (ppb).

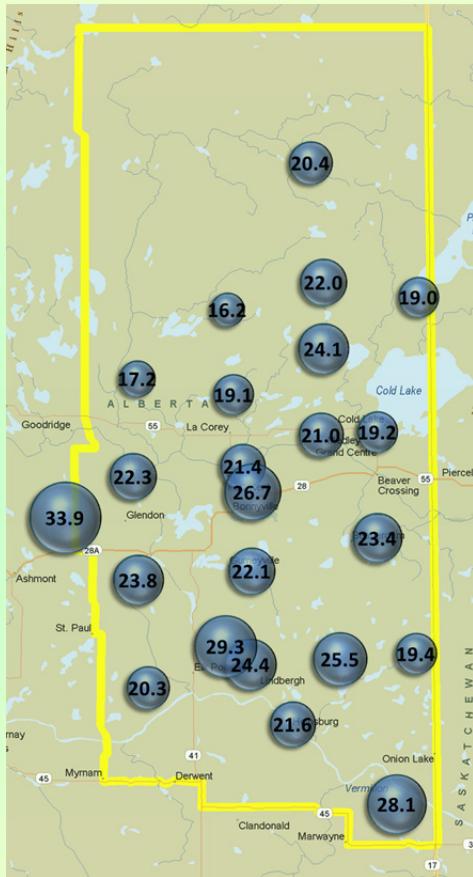
## Nitrogen Dioxide



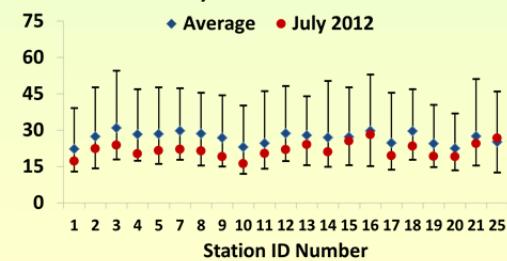
Minimum-Maximum-Average (ppb)  
Monthly Nitrogen Dioxide: 2008 - 2010  
◆ Average • July 2012



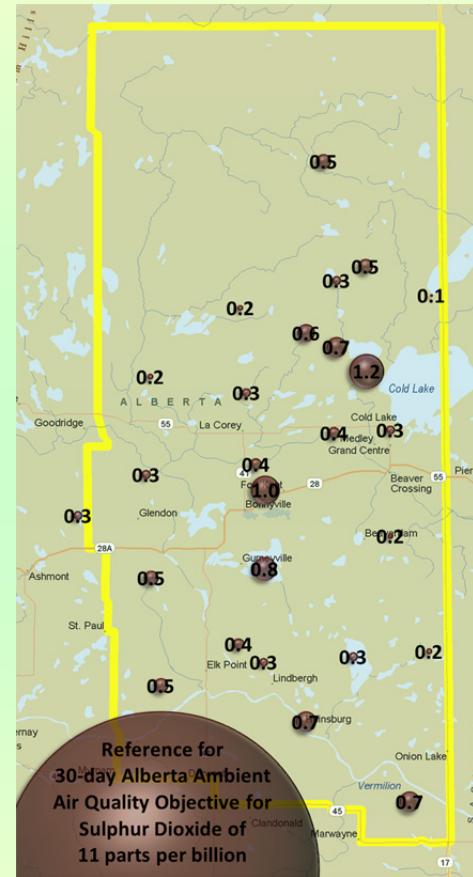
## Ozone



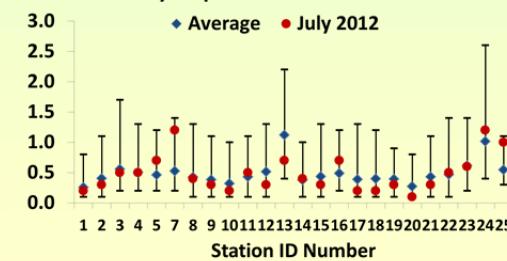
Minimum-Maximum-Average (ppb)  
Monthly Ozone: 2008 - 2010  
◆ Average • July 2012



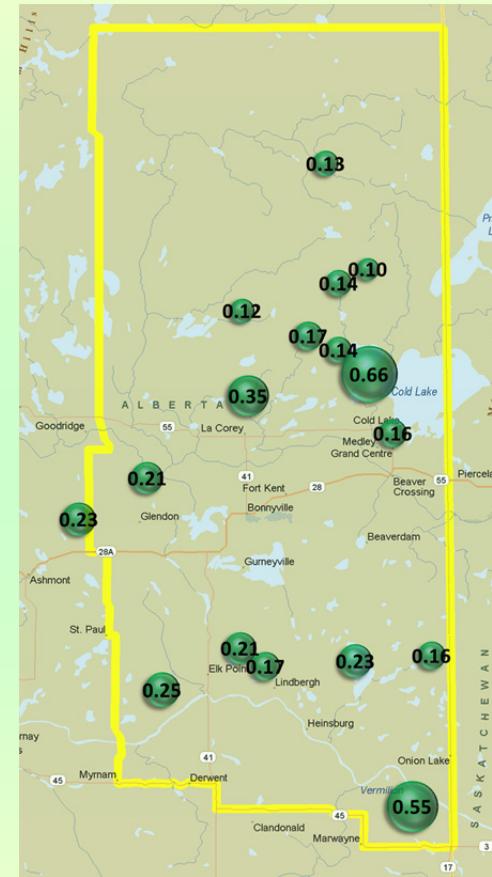
## Sulphur Dioxide



Minimum-Maximum-Average (ppb)  
Monthly Sulphur Dioxide: 2008 - 2010  
◆ Average • July 2012



## Hydrogen Sulphide



Minimum-Maximum-Average (ppb)  
Monthly Hydrogen Sulphide: 2008 - 2010  
◆ Average • July 2012

