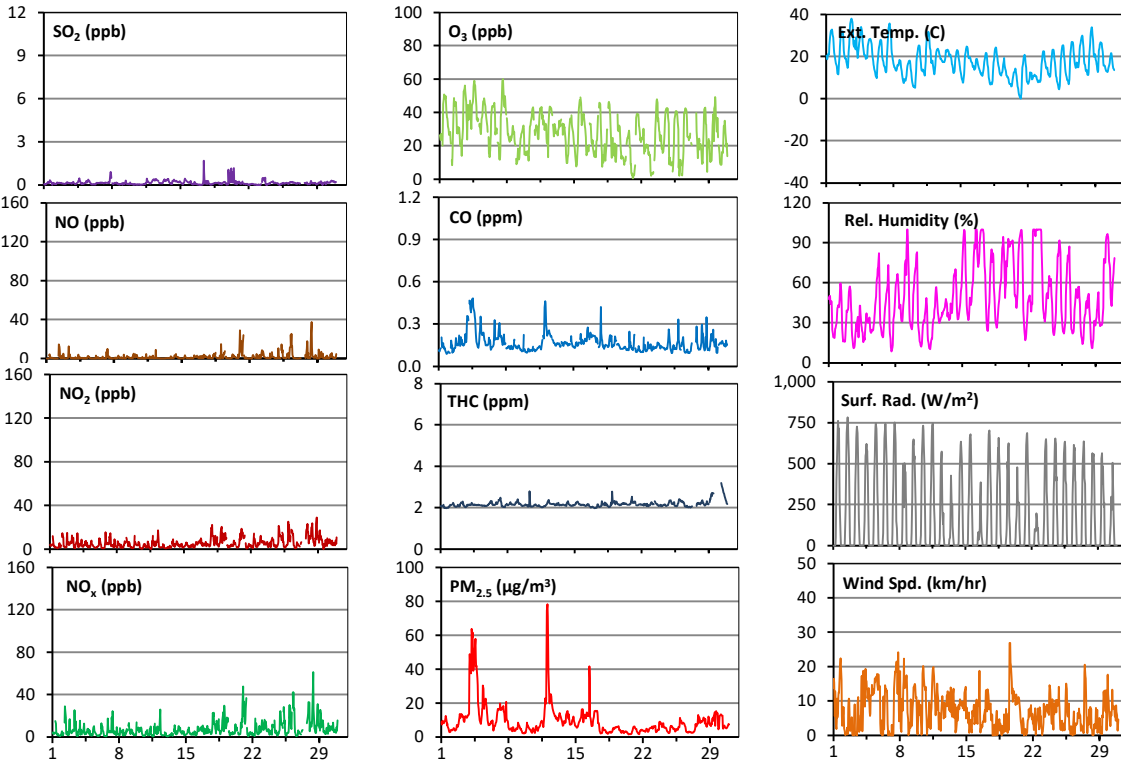
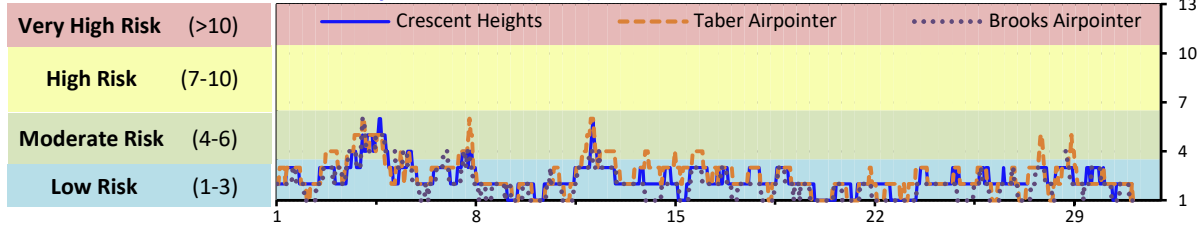


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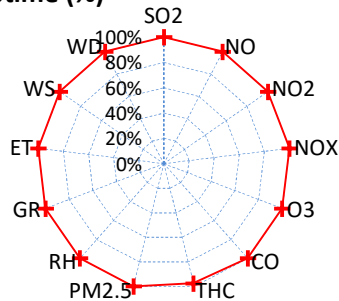
## Continuous Sampling Results - Crescent Heights Station

| Pollutants        |                   | Month Records |        | 24-Hour Records |        |                 |            | 1-Hour Records |              |                 |            |
|-------------------|-------------------|---------------|--------|-----------------|--------|-----------------|------------|----------------|--------------|-----------------|------------|
| Name              | Conc Unit         | Avg. Conc.    | Uptime | Maximum         |        | AAAQO Objective | Exceed No. | Maximum        |              | AAAQO Objective | Exceed No. |
|                   |                   |               |        | Conc            | Time   |                 |            | Conc           | Time         |                 |            |
| SO <sub>2</sub>   | ppb               | < 1           | 100.0% | < 1             | Sep-20 | 48              | 0          | 1.7            | Sep-17 10:00 | 172             | 0          |
| NO                | ppb               | 1.7           | 100.0% | 5.4             | Sep-21 | -               | -          | 37.6           | Sep-28 10:00 | -               | -          |
| NO <sub>2</sub>   | ppb               | 5.4           | 100.0% | 12.0            | Sep-28 | -               | -          | 29.0           | Sep-28 21:00 | 159             | 0          |
| NO <sub>x</sub>   | ppb               | 7.1           | 100.0% | 16.9            | Sep-28 | -               | -          | 61.3           | Sep-28 10:00 | -               | -          |
| O <sub>3</sub>    | ppb               | 28            | 100.0% | 44              | Sep-4  | -               | -          | 60             | Sep-07 15:00 | 76              | 0          |
| CO                | ppm               | 0.2           | 100.0% | 0.4             | Sep-4  | -               | -          | 0.5            | Sep-04 14:00 | 13              | 0          |
| THC               | ppm               | 2.2           | 97.5%  | 2.2             | Sep-28 | -               | -          | 3.2            | Sep-30 8:00  | -               | -          |
| PM <sub>2.5</sub> | µg/m <sup>3</sup> | 10            | 100.0% | 41              | Sep-4  | 29              | 1          | 78             | Sep-12 2:00  | 80              | 0          |

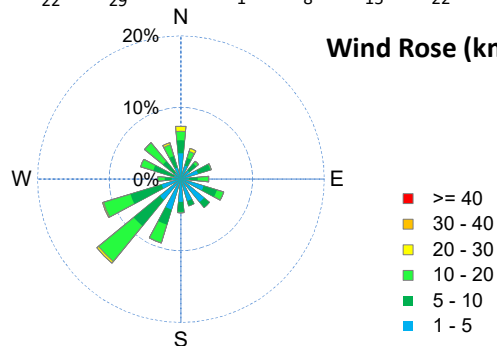
### Air Quality Health Index (AQHI)



### Instrument Uptime (%)

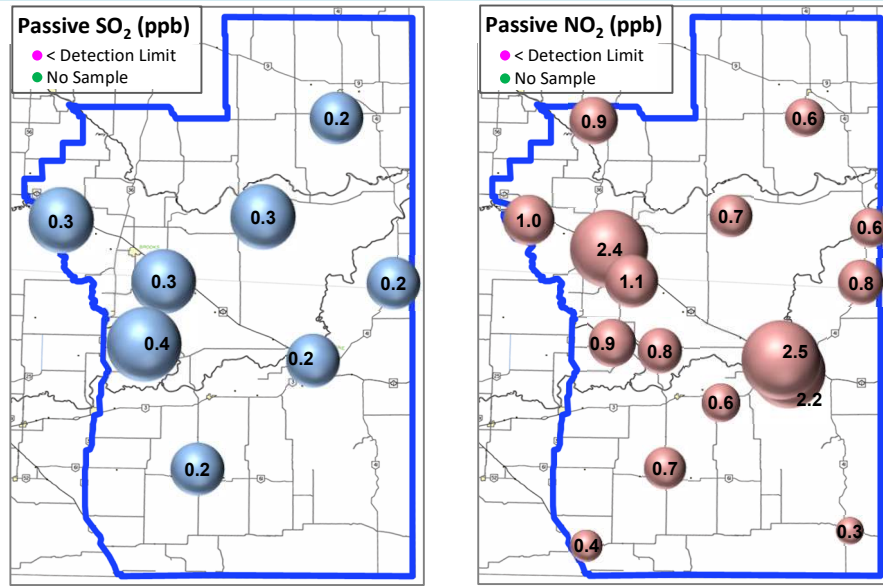


### Wind Rose (km/hr)



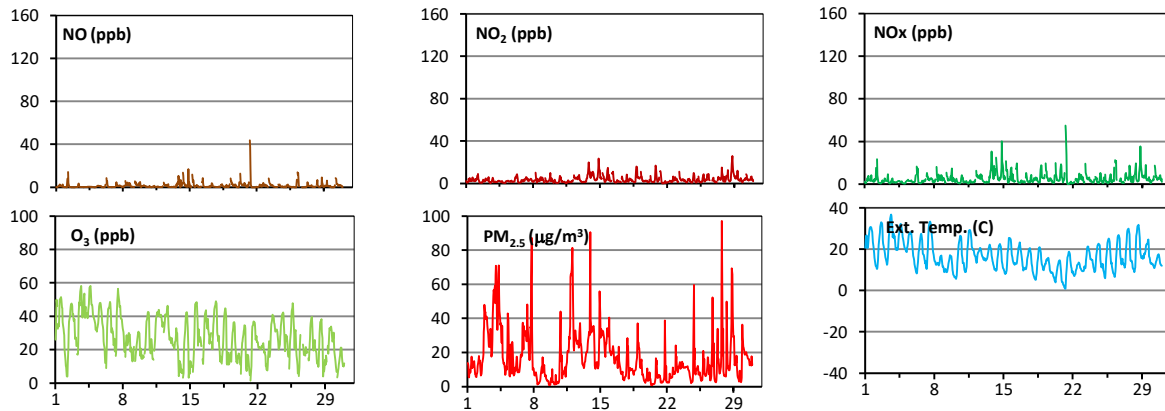
# Palliser Airshed Society - September 2022 Summary Report

## Passive Sampling Results

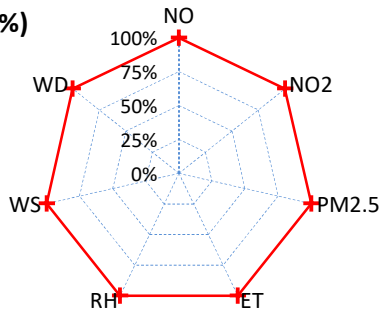


## Continuous Sampling Results - Taber Airpointer

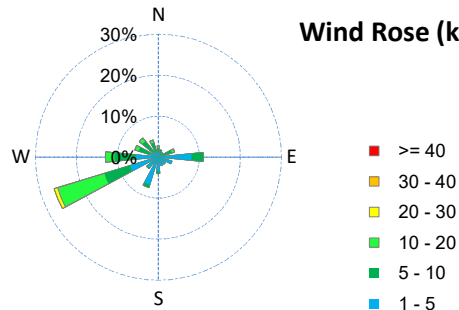
| Pollutants        | Month Records | 24-Hour Records |           |            |        | 1-Hour Records |      |                 |              |         |      |                 |            |
|-------------------|---------------|-----------------|-----------|------------|--------|----------------|------|-----------------|--------------|---------|------|-----------------|------------|
|                   |               | Name            | Conc Unit | Avg. Conc. | Uptime | Maximum        |      | AAAQO Objective | Exceed No.   | Maximum |      | AAAQO Objective | Exceed No. |
|                   |               |                 |           |            |        | Conc           | Time |                 |              | Conc    | Time |                 |            |
| NO                | ppb           | 1.4             | 100.0%    | 4.7        | Sep-21 | -              | -    | 43.6            | Sep-21 7:00  | -       | -    |                 |            |
| NO <sub>2</sub>   | ppb           | 3.7             | 100.0%    | 8.3        | Sep-14 | -              | -    | 26.2            | Sep-28 20:00 | 159     | 0    |                 |            |
| NO <sub>x</sub>   | ppb           | 5.1             | 100.0%    | 12.0       | Sep-14 | -              | -    | 55.2            | Sep-21 7:00  | -       | -    |                 |            |
| O <sub>3</sub>    | ppb           | 28              | 100.0%    | 46         | Sep-4  | -              | -    | 58              | Sep-03 17:00 | 76      | 0    |                 |            |
| PM <sub>2.5</sub> | ug/m3         | 17              | 100.0%    | 37         | Sep-3  | 29             | 5    | 97              | Sep-27 20:00 | 80      | 4    |                 |            |



### Uptime (%)



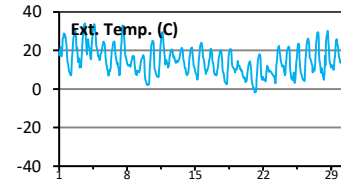
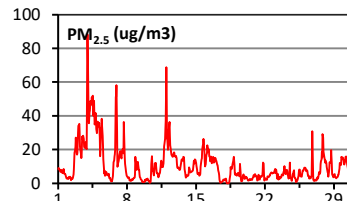
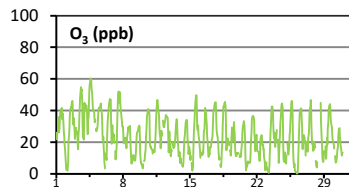
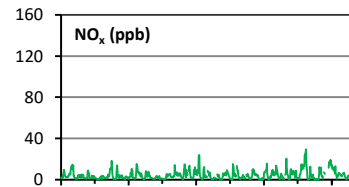
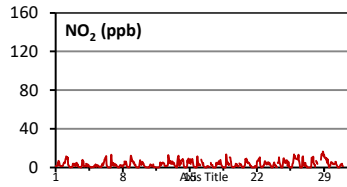
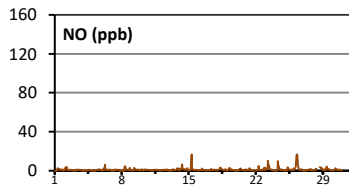
### Wind Rose (km/hr)



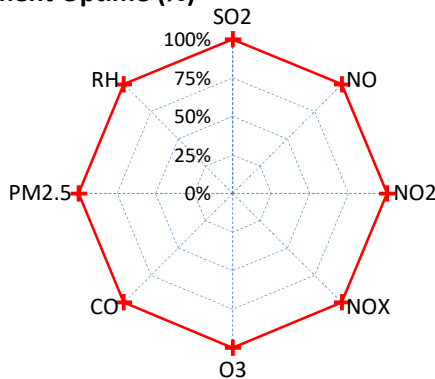
# Palliser Airshed Society - September 2022 Summary Report

## Continuous Sampling Results - Brooks

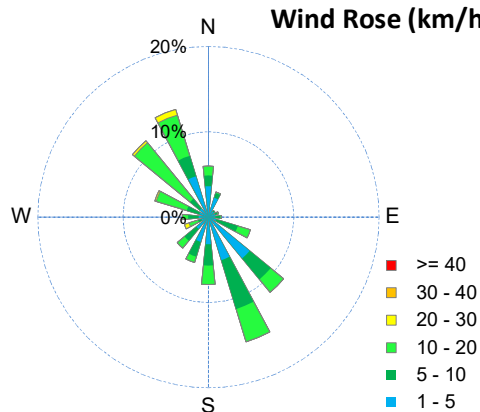
| Pollutants        |           | Month Records |        | 24-Hour Records |        |                 |            | 1-Hour Records |              |                 |            |
|-------------------|-----------|---------------|--------|-----------------|--------|-----------------|------------|----------------|--------------|-----------------|------------|
| Name              | Conc Unit | Avg. Conc.    | Uptime | Maximum         |        | AAAQO Objective | Exceed No. | Maximum        |              | AAAQO Objective | Exceed No. |
|                   |           |               |        | Conc            | Time   |                 |            | Conc           | Time         |                 |            |
| NO                | ppb       | 1.0           | 100.0% | 4.0             | Sep-26 | -               | -          | 16.9           | Sep-26 7:00  | -               | -          |
| NO <sub>2</sub>   | ppb       | 3.3           | 100.0% | 5.7             | Sep-29 | -               | -          | 16.6           | Sep-28 22:00 | 159             | 0          |
| NO <sub>x</sub>   | ppb       | 4.3           | 100.0% | 9.7             | Sep-26 | -               | -          | 29.5           | Sep-26 9:00  | -               | -          |
| O <sub>3</sub>    | ppb       | 24            | 100.0% | 45              | Sep-4  | -               | -          | 60             | Sep-04 15:00 | 76              | 0          |
| PM <sub>2.5</sub> | ug/m3     | 11            | 100.0% | 44              | Sep-4  | 29              | 1          | 88             | Sep-04 0:00  | 80              | 2          |



Instrument Uptime (%)



Wind Rose (km/hr)



## Monthly Update

\*All data has been validated; data may change after validation process.

\*The measured ambient concentrations of all parameters are within the AAAQO with the exception of four 1-hr and five PM<sub>2.5</sub> exceedances recorded at Taber. Brooks recorded two 1-hr and one 24-hour PM<sub>2.5</sub> exceedance and Crescent Heights recorded one 24-hour PM<sub>2.5</sub> exceedances attributed to wildfire smoke in the area.

\*All compliance parameters at Crescent Heights, Taber and Brooks had > 90% operational uptime.