

Small Sensor Deployment

PRAMP Board Meeting
February 28, 2024



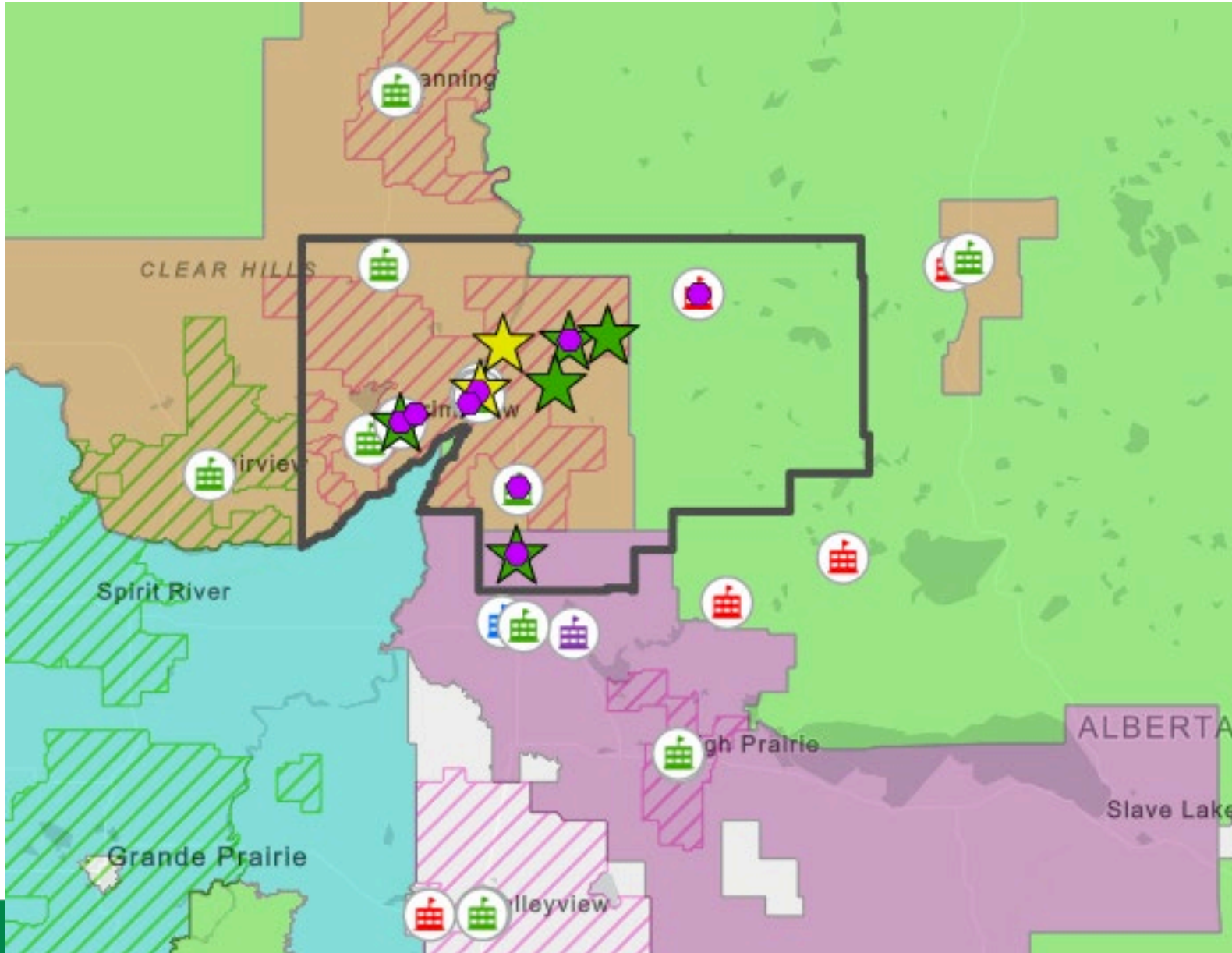
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PEACE RIVER AREA MONITORING PROGRAM

Request for Monitoring

- The Holy Family Catholic Regional Division (HFCRD) contacted PRAMP about air monitoring at HFCRD schools
- HFCRD would like to have air quality monitoring close to schools to be able to assess wildfire smoke conditions
- Very positive opportunity for PRAMP to deploy more sensors and to expand relationships with schools



PRAMP Area Schools



PurpleAir Microsensors

- Detect Particulate Matter
- Provide valuable information for wildfire smoke
- Use of PurpleAir devices is encouraged by Alberta Environment
- East to install + low maintenance
- Purchase cost \$400
- 7 sensors currently in PRAMP network



Next Steps

- Deploying new sensors at schools is an ideal way to build relationships with the school and community
- PRAMP will offer air quality education to the school classrooms after the sensors are in place
- PRAMP will contact the Peace River School Division to see if they are also interested
- Increasing the use of low-cost sensors is aligned with recommendations in the PRAMP Network Assessment



Considerations

Staff are assessing:

- *What other organizations may be interested?*
- *How many sensors is it practical/desirable to have in the area?*
- *What about schools just outside PRAMP boundaries that are not in an Airshed?*
- *Can PurpleAir sensors provide data to an AQHI lantern?*
 - *Could a sponsorship program be developed to offset some costs for AQHI lanterns?*



Discussion



- *Views on offering sensors to schools in Manning, Red Earth Creek or other areas near PRAMP and not in an Airshed*
- *Views on a possible sponsorship option for AQHI lanterns*

