

## Grant Final Report Form MS Word Version

### To complete and submit on-line:

1. Save this form to your computer and use it directly through **Microsoft Word**, do not fill out the form with your internet browser.
2. The file will open in a format that only allows certain boxes in the table to be edited. The boxes requiring input will show as *Click or tap here to enter text.*
3. Begin typing directly into that box. The box will expand to hold your content.
4. To move to the next box, position your cursor over the box and click. The box should change to a darker shade of grey or black. The shade change indicates that you are ready to type into that box
5. To edit a box that you have already typed in, just select the box by placing your cursor over it and click.
6. When you have finished editing the form use the "save as" function to save

This final report will help us to determine impact of BVCF grants on communities and to report back to supporters, and will provide you with the opportunity to describe your accomplishments. Return the final report by the due date in the grant agreement. Payment will be sent once the report and accompanying receipts have been received and approved.

### Section 1. Identification

Date: Jan 27, 2023

Name of Organization: BVLD AMS

Mailing Address of the BVLD AMS Society: Please Mail to the attention of Ben Weinstein (BVLD AMS), BAG 5000, 3726 Alfred Ave. Smithers, BC V0J 2N0.

Contact Person: Susan Brookes, the BVLD Airshed Management Society

Contact Phone Number: 250 847-0678

Contact Email Address: [coordinator@cleanairplan.ca](mailto:coordinator@cleanairplan.ca) or  
[notonsea@hotmail.com](mailto:notonsea@hotmail.com)

Registered Charitable Partner (*if applicable*):

Name: Click or tap here to enter text.

Mailing Address: Click or tap here to enter text.

Phone Number: Click or tap here to enter text.

## Section 2. Project Information

Project name: Purple Air Network Extension West

In which community did the project take place? Telkwa, Kispiox,  
Granisle, Regional District of Bulkley Nechako - Hillcrest and Alder

When did the project take place?

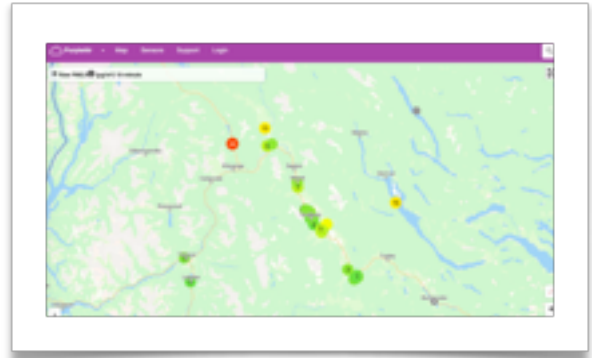
Start date Jan 2022 End date Jan 2023

Project Summary (300 words or less)

The availability of low cost air sensors makes air quality monitoring possible on a much larger scale in our airshed. With this money we have purchased 5 Purple Air Particulate Sensors and installed them in 5 locations in the airshed. We have built an extensive network of air quality sensors that capture ambient air quality density readings. We can now look closely at trends in poor air quality periods, we can match the visual record to density readings and we can try to inform the public of health risks associated with the air in their neighbourhood. We also are able to share this information with the Province, the First National Health Authority and Northern Health. Readings are archived and with a variety of locations on record we continue to add new locations, maintain these sensors and educate the public about their usefulness.

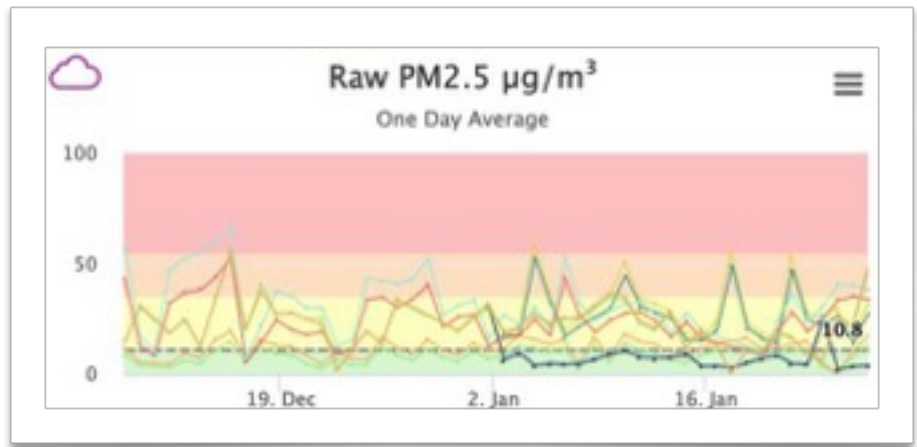
Here is a link to live Purple Air Sensor Readings. The link is set to show the density of an air particle called PM2.5. <https://map.purpleair.com/1/mPM25/a10/p604800/cC0#7.12/54.799/-127.266>.

These sensors can also be set to show the density of a slightly larger particles called PM10. And also temperature: [https://map.purpleair.com/1/mTEMP\\_C/a10/p604800/cC0#7.54/54.82/-127.11](https://map.purpleair.com/1/mTEMP_C/a10/p604800/cC0#7.54/54.82/-127.11)



For more information on our sensor program please visit this page: <https://cleanairplan.ca/new2/air-sensors/> but understand the update of these pages is ongoing. We also have this blog with many references to understanding particle size and health, or using the purple air sensors <https://cleanairplan.ca/blog/category/purple-air/>

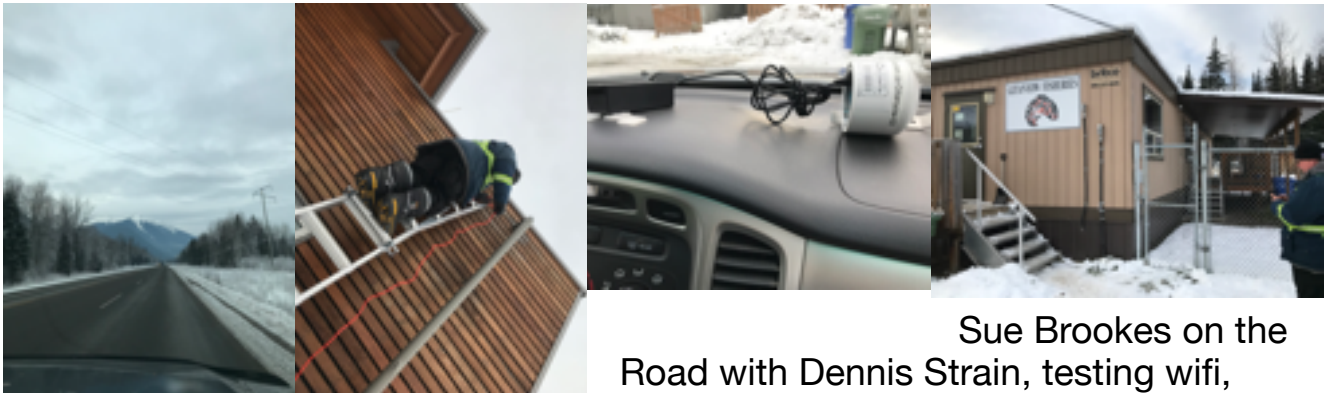
This chart shows the 5 locations and the difference in air quality depending on where you are. 0 is no particulate, 25 is the 24 hour average Provincial objective.



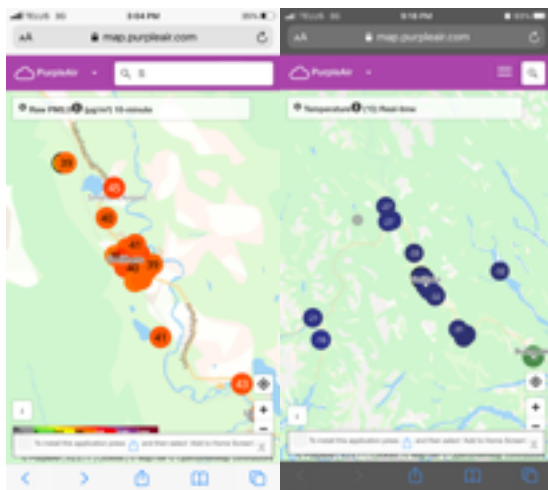
How have you acknowledged the support of the Bulkley Valley Community Foundation?

Yes we have acknowledged the Foundation as a friend of the society at this link: <https://cleanairplan.ca/blog/2022/10/14/purple-air-sensor-network-expanding/> and also in a couple places on our website: <https://cleanairplan.ca/new2/air-sensors/>.

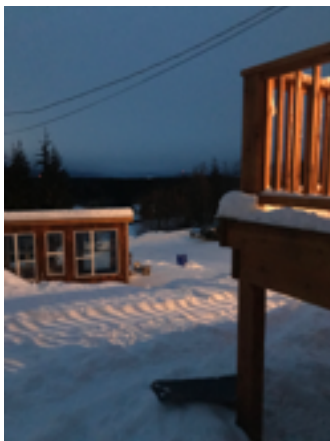
Photo Gallery:



Sue Brookes on the Road with Dennis Strain, testing wifi, replacing and installing new sensors all over the West end of the valley



A poor day and a cold day to the left. Sue tested all sensors before deploying to the field. This is a typical screen shot of indoor air on the right.



Our last sensor deployment on Hillcrest demonstrates that location is everything, these guys have a very low average of particulate! The picture shows the monitor (under an eave) and a typical valley inversion.

Report Prepared by: Sue Brookes  
Position: Coordinator for the Bulkley Valley Lakes District Airshed Management  
Societ

### Financial Report

BVCF Summary					
<b>\$2130.96</b>	5 sensors				
<b>\$183.60</b>	replacement sensors				
<b>\$225.00</b>	gas expenses				
<b>\$2539.56</b>	Sub Total				
<b>2500</b>	Grant amount				
<b>Canadian Dollars</b>	American dollars	Sensors	Date	Notes	Average sensor cost
<b>\$784.53</b>	\$576.86	2	Jan 22	picture included	\$403.89
<b>\$811.12</b>	\$596.41	2	Jun 23	picture included	\$417.19
<b>\$2095.19</b>	\$1540.58	5	Nov 22	picture included	\$477.18
<b>\$183.60</b>	\$135.00	3	Sept 16	pic included, replacement sensor	\$96.08
<b>\$122.40</b>	\$90.00	2	Nov 22	replacement sensor	\$84.46
	1.36		Nov 22	american exchange rate, low average for the period	
<b>\$58.14</b>		5	Dec 22	pic included, duty on Nov 22 order, CDN	\$11.63
<b>\$50.00</b>			Nov 3, 22	pic included	gas receipt
<b>\$30.00</b>			Oct 25, 23	pic included	gas receipt
<b>\$65.00</b>			Jan 14, 22	pic included	gas receipt
<b>\$20.00</b>			Nov 16, 22	pic included	gas receipt
<b>\$60.00</b>			Nov 19, 22	pic included	gas receipt
<b>\$4279.98</b>	total sensor and travel costs				

The next page are copies of the receipts for spending.

CHECKS OUTSTANDING  
 BANK ACCOUNT TO  
 DEPOSIT, BC  
 123 456  
 123 456 7890

1234-56-78 12/31/20  
 FROM: 12345  
 TO: 67890  
 CHECK NO: 123456789  
 DATE: 12/31/20  
 AMOUNT: 1234.56

PAYEE: 123456789  
 ADDRESS: 123456789  
 CITY: 123456789  
 STATE: 123456789  
 ZIP: 123456789

THANK YOU FOR  
 YOUR SUPPORT  
 BULKLEY VALLEY  
 COMMUNITY  
 FOUNDATION

