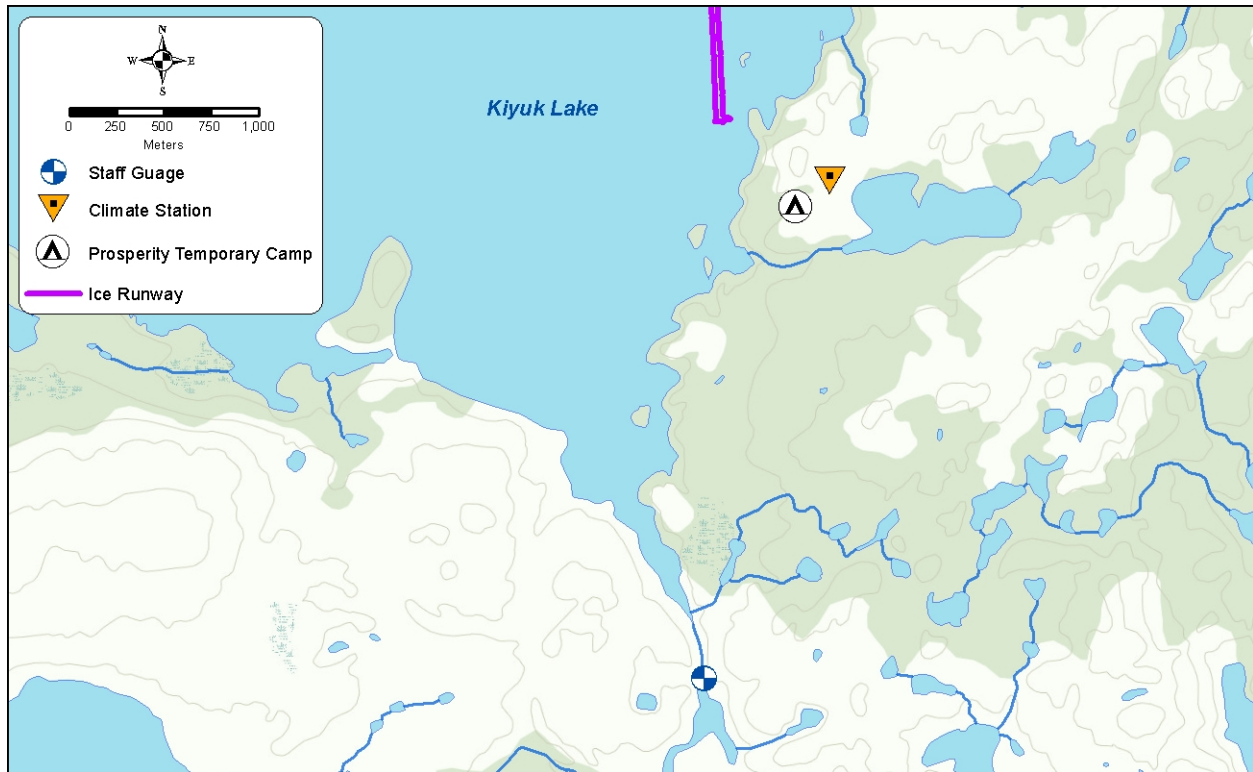


KIYUK BIOPHYSICAL PROGRAM SUMMARY 2012

1.0 PROJECT OVERVIEW MAP



2.0 CLIMATE

2.1 PROGRAM

- Install fully operating climate station during July 2012 Site visit
- Connect to Data Garrison via satellite uplink
- Brief Prosperity staff on the climate station including physical equipment and remote data access

2.2 CHALLENGES

- Broken wind sensor arrived at camp
- Incorrect cable glands provided by the supplier
- Wrongly sized Altershield collar provided by the supplier

2.3 SOLUTIONS

- New wind sensor part sent to camp. Has been fitted by Prosperity staff. Dominique was briefed on how to do this.
- Correctly sized cable glands were sent to camp, in the meantime replacements were found on-site and fitted. The new cable glands were absorbed into the camp supplies.

- Another Altershield collar has been manufactured and will be sent to site. This is to be fitted by Prosperity staff. Dominique was briefed on how to do this but has since left camp. Further instruction has been provided in the form of an instruction manual.

2.4 FOLLOW-UP

- Please inform Ben of the date when the Altershield collar and wind sensor propeller are fitted
 - Wind sensor propeller installed Aug 3rd
- Ben will check the data every Monday to ensure that the station is functioning properly
- An account has been set up to access the climate data. Here are the details:
 - <https://datagarrison.com/>
 - Username: Kiyuk
 - Password: Pr0sperity
 - Email communications will be sent to chrisp@prosperitygoldfields.com
- If there are any questions, please do not hesitate to contact Ben: bcobbledick@hemmera.com or 604.669.0424 (235)

Figure 1 Kiyuk Camp Climate Station



3.0 HYDROLOGY

3.1 PROGRAM

This was an optional program to add value during any spare time in camp.

- Install a staff gauge to measure changes in water level (see Figure 2 and project overview map above).
- Assign one person in camp to collect the data.

3.2 CHALLENGES

- Josh, the pilot, was assigned to collect the data but left camp shortly after. The new pilot is now responsible for the data collection but Hemmera has had no contact with him.

This is a non-critical item.

3.3 FOLLOW UP

- Prosperity staff to oversee that data is collected (data received from Prosperity is included in Table 1).
- It would be desirable if photographs could be taken from the helicopter of the channel at the same time that the data is collected.
- The gauge plate may need to be moved for next year, and it is preferable to remove it before freeze up.
- Please contact Ben if you have any questions.

Figure 2 Staff Gauge



Table 1 Water Level Log

| Date | Time | Water Level (m) |
|-----------|---------|-----------------|
| 19-Jul-12 | - | 0.35 |
| 26-Jul-12 | 1:15 PM | 0.29 |
| 29-Jul-12 | 9:53 AM | 0.27 |
| 1-Aug-12 | - | 0.2 |
| 3-Aug-12 | - | 0.17 |
| 6-Aug-12 | - | 0.15 |

3.4 ADDITIONAL COSTS

Some additional time costs were incurred due to poor weather causing delays departing the site.