

# SAMPLING PROTOCOL

1. Select a sampling spot that is at least 100 feet away from any kind of contamination.
2. “Clean” your tools and hands with snow from the surface.
3. Using a ruler, measure a 12x12 inch square and scrape off a thin layer of snow, all that had contact with air, from the square.
4. Place this snow in the Ziploc bag. Label it with date, GPS coordinates, and “surface.”
5. Next, from the same grid, mostly fill a pint bag of snow or about 5 cm down.
6. Label using the same things as the other sample, except label the bag “sub-surface.”
7. Preserve the snow in a way that will stay frozen until filtering.

*Please see other side for filtering information.*



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# FILTERING PROTOCOL

1. Heat a large pot of water, place the Ziploc bag of snow into the hot water. Allow to melt completely.
2. Open the filter holder and load a filter onto the bottom part of the filter holder.
3. Screw on the top cap to the filter holder.
4. Using the syringe, pull 60ml of the sample from the middle of the melted snow. Attach the filter holder to the top of the syringe.
5. Slowly push the water out of the syringe, going too fast breaks the filter.
6. **FOR SURFACE SAMPLE:** Go until the bag is empty, note how many ml of the sample is left. Add that number to the number of 60ml pulls. (ex. 5 pulls of 60ml with 40ml left is 340ml of snow sampled)
7. **FOR SUBSURFACE SAMPLE:** Note how many 60ml pulls it took to get the filter to a grayish color.
8. Gently open the filter holder and slide the filter off of the holder and into the center of the coin holder. Place the coin protector around the filter.
9. On the top coin holder cap, write the GPS number, number of pulls or ml of snow sampled and either surface or subsurface.
10. Once you return home, open the coin holder and allow it to dry at room temperature.