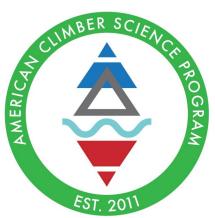
SAMPLING PROTOCOL

- 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.