

Ice Trek

Decision-making Sheet

1. Name of lake or pond: _____
2. Distance from school: _____
3. Transportation needed? _____
4. Authority to sample granted by: _____
5. Depth of water: _____
 When no ice is present: _____
6. Present depth of ice: _____
7. Ice hole auger available? _____
8. How far from access road? _____

Possible collection dates: _____

Class decision on sample site _____

Collection dates _____

Math Calculations for water collection

To calculate the volume of 1 foot worth of water inside the pipe, use the formula:

$(\pi r^2) h$ where $\pi = 3.14$, $r = .5$ inches or 1.27 cm, and $h = 30.48$ cm

Change the cubic inches or cubic centimeters (cc) to milliliters using the conversion factor of

1 cc = 1 ml or 1 cubic inch = 16.39 cubic centimeters (cc)

Use the volume to decide what size container you need for each level you are sampling.

1.