

## **List of equipment options for Snowtopography, Snow Density and Soil Moisture monitoring<sup>i</sup>**

### **Snowtopography:**

- Cameras<sup>ii</sup> with time-lapse capability are essential and cellular capability is optional, such as
  1. Time-lapse camera: *Blaze* game deer tail camera, 24 MP Photo.
  2. Time lapse camera with cellular capability: *Covert* Wireless Scouting Camera.
- Accessories
  1. Batteries: Lithium batteries for cameras; typically AA. Lithium batteries are essential for lasting a cold winter season.
  2. Cable lock, braided steel, at least 6ft long and 3/16 inch diameter
  3. Tree mount for the camera, best to have mount that screws into tree and has multi-direction adjustment.

### **Snow Density:**

1. Federal snow sampler. [Link](#)
2. For better accuracy with shallow snowpack, consider a small plastic snow sampling tube such as *SnowMetrics*. [Link](#)

**Soil Moisture:** Soil moisture equipment<sup>ii</sup> that measures soil water content, such as

1. Data logger, such as: *Meter* ZL6 data logger.
2. Soil moisture sensors, such as: *Meter* Teros 10.

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<sup>i</sup> Listing in this supplement or handbook does not imply The Nature Conservancy's endorsement of any third party's information, products, or material, and The Nature Conservancy disclaims all liability with regard to your evaluation or use of such information, products, or material.

<sup>ii</sup> Listed are products used in snowtopography applications at time this handbook was completed (fall 2021). Given rapid change in technology, models and inventories, these products may not be available at time of use. Search for products that have similar features as described in this list and in handbook.