

| Location: | Co | Site: | SUMT | Date: | 2024/12/26 | | | | | |
|-----------------------|---|--|-------------------------------|--|---|---------------------|---|----------------------|---|---|
| Time: | 0902 | Observers: | McClure | Interval board SWE measurement | | | | | | |
| Precip Rate | None | Very Light (0.5 cm / hr) | Light (1 cm / hr) | Moderate (5 cm / hr) | Heavy (10 cm / hr) | Depth (cm) | SWE (mm) | Density (kg/m³) | Evidence of melt resulting in SWE loss? (Y/N) | |
| Precip Type | Rain | Snow | Graupel | Hail | Rain/Snow | Sample A | 9 | .11 | 122 | |
| Sky | Clear | Few <td>Scattered (1/4-1/2 of sky)</td> <td>Broken<br (>="" 1="" 2="" of="" sky)<="" td=""/><td>Overcast (complete cover)</td><th>Sample B</th><td>8.6</td><td>.41</td><td>128</td><td>N</td></td> | Scattered (1/4-1/2 of sky) | Broken <td>Overcast (complete cover)</td> <th>Sample B</th> <td>8.6</td> <td>.41</td> <td>128</td> <td>N</td> | Overcast (complete cover) | Sample B | 8.6 | .41 | 128 | N |
| Wind | Calm <td>Light (1 - 16 mph)</td> <td>Moderate (17 - 25 mph)</td> <td>Strong (26 - 38 mph)</td> <td>Extreme<br (>="" 38="" mph)<="" td=""/><th>Sample C</th><td>8.8</td><td>.11</td><td>125</td><td></td></td> | Light (1 - 16 mph) | Moderate (17 - 25 mph) | Strong (26 - 38 mph) | Extreme <th>Sample C</th> <td>8.8</td> <td>.11</td> <td>125</td> <td></td> | Sample C | 8.8 | .11 | 125 | |
| Tree Canopy | No trees | Sparse (5 - 20%) | Open (20 - 70%) | Closed <td>Ground roughness</td> <th>Ground condition</th> <td>Smooth<br (<="" 5="" cm)<="" td=""/><td>Rough (5 - 20 cm)</td><td>Rugged<br (>="" 20="" cm)<="" td=""/><td></td></td></td> | Ground roughness | Ground condition | Smooth <td>Rough (5 - 20 cm)</td> <td>Rugged<br (>="" 20="" cm)<="" td=""/><td></td></td> | Rough (5 - 20 cm) | Rugged <td></td> | |
| Instrument | YN | SN | Instrument | YN | SN | Additional Comments | Height of Ground Vegetation (cm) | | | |
| Digital LWC | N | | Snow Scope | Y | 234 | Weather | | | | |
| Stratigraphy pictures | Y | | Lyte Probe | N | | | | | | |
| Standard ram | Y | | SMP | N | | | | | | |
| Powder Ram | Y | | Force Ram | Y | | Pit | | | | |
| Slush Ram | N | | Force Snow Scope | Y | | | | | | |
| HS Transects | Y | Snow Scope Transects | N | | Hardness | | | | | |
| Pit Pictures | Y | SSA / NIR Box | N | | Misc | | | | | |
| Other | | | | | | | | | | |

Hs 51cm @ Sunce

Ram Penetrometer Field Data Sheet

| Location: | Co | | | | | Tube weight | T | kg | | | | | | |
|--------------------------------|----------------|---|----------|-------------|---|-----------------------------|----|----|------|---|---|---|---|---|
| Site: | SLMET | | | | | Hammer weight | H | kg | | | | | | |
| Associated pit/transect/point: | SLMET 20241226 | | | | | Number of falls | n | | | | | | | |
| Date: | 20241226 | | Time: | 0150 / 0157 | | Fall height | f | cm | | | | | | |
| Observer: | Eme Cus | | | | | Location of point | p | cm | | | | | | |
| UTME: | UTMN: | | Zone: 13 | | | $RN = T + H + nfH/p$ | kg | | | | | | | |
| Ram type: | Ram mass: kg | | | | | $RR = 9.81 (T + H + nfH/p)$ | N | | | | | | | |
| T | H | n | f | p | T | H | n | f | p | T | H | n | f | p |
| 0.1 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 0 | 43 | | | | | |
| 0.1 | 0.1 | 0 | 0 | 6 | 1 | 0.5 | 0 | 0 | 43 | | | | | |
| | | 1 | 1 | 7 | | | 5 | 1 | 43 | | | | | |
| | | 3 | 1 | 8 | | | 1 | 10 | 44 | | | | | |
| | | 5 | 1 | 9 | | | 2 | 10 | 45 | | | | | |
| | | 1 | 5 | 10 | | | | | 46 | | | | | |
| | | 2 | 5 | 11 | | | 5 | 10 | 46.5 | | | | | |
| | | 1 | 5 | 12 | | | | | | | | | | |
| | | 1 | 5 | 13 | | | | | | | | | | |
| | | 1 | 5 | 14 | | | | | | | | | | |
| | | 1 | 3 | 15 | | | | | | | | | | |
| | | | | 16 | | | | | | | | | | |
| | | 1 | 3 | 17 | | | | | | | | | | |
| | | | | 18 | | | | | | | | | | |
| | | | | 19 | | | | | | | | | | |
| | | | | 20 | | | | | | | | | | |
| | | | | 21 | | | | | | | | | | |
| | | | | 22 | | | | | | | | | | |
| | | | | 23 | | | | | | | | | | |
| | | 2 | 3 | 24 | | | | | | | | | | |
| | | 1 | 3 | 25 | | | | | | | | | | |
| | | 2 | 3 | 26 | | | | | | | | | | |
| | | 1 | 4 | 27 | | | | | | | | | | |
| | | 3 | 4 | 28 | | | | | | | | | | |
| | | 2 | 5 | 29 | | | | | | | | | | |
| | | 1 | 10 | 30 | | | | | | | | | | |
| | | 1 | 10 | 31 | | | | | | | | | | |
| | | 1 | 5 | 32 | | | | | | | | | | |
| | | 1 | 5 | 33 | | | | | | | | | | |
| | | | | 34 | | | | | | | | | | |
| | | | | 35 | | | | | | | | | | |
| | | | | 36 | | | | | | | | | | |
| | | | | 37 | | | | | | | | | | |
| | | | | 38 | | | | | | | | | | |
| | | | | 39 | | | | | | | | | | |
| | | 2 | 5 | 40 | | | | | | | | | | |
| | | 5 | 5 | 41 | | | | | | | | | | |
| | | 3 | 10 | 42 | | | | | | | | | | |
| | | | | 43 | | | | | | | | | | |
| Notes: | | | | | | | | | | | | | | |

| Location (regional scale) | | Site (study plot) | | Transects | | Date | Time | | | |
|---------------------------|---------|-------------------|---------|------------|---------|------------|---------|-----|--|--|
| | | SWEET | | A, B | | 2024/02/26 | Start | End | | |
| Observer(s) | | Wx Description | | | | | | | | |
| <i>Enclosure</i> | | BKN L No None | | | | | | | | |
| Transect A | | | | Transect B | | | | | | |
| Point | HS (cm) | Point | HS (cm) | Point | HS (cm) | Point | HS (cm) | | | |
| 0 | 45 | 31 | 34 | 0 | 48 | 31 | 54 | | | |
| 1 | 36 | 32 | | 1 | 59 | 32 | 44 | | | |
| 2 | 50 | 33 | 1632 | 2 | 52 | 33 | | | | |
| 3 | 54 | 34 | | 3 | 56 | 34 | 1040 | | | |
| 4 | 53 | 35 | | 4 | 60 | 35 | | | | |
| 5 | 58 | 36 | | 5 | 58 | 36 | | | | |
| 6 | 48 | 37 | | 6 | 64 | 37 | | | | |
| 7 | 41 | 38 | | 7 | 64 | 38 | | | | |
| 8 | 51 | 39 | | 8 | 62 | 39 | | | | |
| 9 | 47 | 40 | | 9 | 57 | 40 | | | | |
| 10 | 43 | 41 | | 10 | 54 | 41 | | | | |
| 11 | 47 | 42 | | 11 | 58 | 42 | | | | |
| 12 | 31 | 43 | | 12 | 58 | 43 | | | | |
| 13 | 45 | 44 | | 13 | 54 | 44 | | | | |
| 14 | 49 | 45 | | 14 | 56 | 45 | | | | |
| 15 | 44 | 46 | | 15 | 60 | 46 | | | | |
| 16 | 44 | 47 | | 16 | 54 | 47 | | | | |
| 17 | 41 | 48 | | 17 | 59 | 48 | | | | |
| 18 | 42 | 49 | | 18 | 60 | 49 | | | | |
| 19 | 42 | 50 | | 19 | 54 | 50 | | | | |
| 20 | 46 | 51 | | 20 | 57 | 51 | | | | |
| 21 | 49 | 52 | | 21 | 57 | 52 | | | | |
| 22 | 54 | 53 | | 22 | 68 | 53 | | | | |
| 23 | 51 | 54 | | 23 | 66 | 54 | | | | |
| 24 | 57 | 55 | | 24 | 61 | 55 | | | | |
| 25 | 51 | 56 | | 25 | 69 | 56 | | | | |
| 26 | 49 | 57 | | 26 | 77 | 57 | | | | |
| 27 | 38 | 58 | | 27 | 68 | 58 | | | | |
| 28 | 24 | 59 | | 28 | CZ | 59 | | | | |
| 29 | 18 | 60 | | 29 | 66 | 60 | | | | |
| 30 | 30 | | | 30 | C1 | | | | | |