

| | | | | | | | | | | | |
|--------------------------|-----------------|-----------------------------|------------------------------------|-----------------------------|------------------------------|--------------------------|----------------------------------|--------------------------------|------------------------|---|----------|
| Location: | | Fraser CO | | Site: | | SL MET | | Date: | | 2024 1121 | |
| Time: | | 1535 | | Observers: | | S. Finney E. M. Cline | | 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) | Sample A | 5 | 6.5 | | Evidence of melt resulting in SWE loss? (Y/N) | |
| Precip Type | Rain | Snow | Graupel | Hail | Rain/Snow | Sample B | 4.8 | 6.5 | | | |
| Sky | Clear | Few ($< 1/4$ of sky) | Scattered ($1/4 - 1/2$ of sky) | Broken ($> 1/2$ of sky) | Overcast (complete cover) | Sample C | 4.8 | 6.5 | | | |
| Wind | Calm (0 mph) | Light (1 - 16 mph) | Moderate (17 - 25 mph) | Strong (26 - 38 mph) | Extreme (> 38 mph) | Ground condition | Frozen | Moist | Saturated | | |
| Tree Canopy | No trees | Sparse (5 - 20%) | Open (20 - 70%) | Closed ($> 70\%$) | | Ground roughness | Smooth (< 5 cm) | Rough (5 - 20 cm) | Rugged (> 20 cm) | | |
| Instrument | Y/N | SN | Instrument | Y/N | SN | Additional Comments | Height of Ground Vegetation (cm) | | | | Deadfall |
| Digital LWC | N | | Snow Scope | N | | Weather | | | | | |
| Stratigraphy pictures | N | | Lyte Probe | N | | | | | | | |
| Standard ram | N | | SMP | N | | | | | | | |
| Powder Ram | N | | Force Ram | N | | | | | | | |
| Slush Ram | N | | Force Snow Scope | N | | Pit | | | | | |
| HS Transects | N | | Snow Scope Transects | N | | | | | | | |
| Pit Pictures | N | | SSA / NIR Box | N | | Hardness | | | | | |
| Other | | | | | | | | | | | |
| Misc | | | | | | | | | | | |

[illegible]

Ram Penetrometer Field Data Sheet

| | | | | | | | | | | | | | | |
|--|------|---|---------------|------|----------------|-----------|---|----|------|---------------------------|---|----|----|---|
| Location: CO Fraser | | | | | | | | | | Tube weight | | T | kg | |
| Site: SL MET | | | | | | | | | | Hammer weight | | H | kg | |
| Associated pit/transect/point: 20241121 SL | | | | | | | | | | Number of falls | | n | | |
| Date: 20241121 | | | | | Time: 1556 | | | | | Fall height | | f | cm | |
| Observer: E McVie S. Kinney | | | | | | | | | | Location of point | | p | cm | |
| UTME: 0425742 | | | UTMN: 4419932 | | | Zone: 13S | | | | RN = T + H + nfH/p | | kg | | |
| Ram type: Powder | | | | | Ram mass: 1 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 | 0.1 | 0 | 0 | 10 | 0.1 | 0 | 0 | 0 | 5 | | | | | |
| 0.1 | 0.05 | 0 | 0 | 10 | 0.1 | 0.05 | 0 | 0 | 8 | | | | | |
| | | 5 | 1 | 11.5 | | | 1 | 1 | 11 | | | | | |
| | | 5 | 1 | 13 | | | 4 | 1 | 12 | | | | | |
| | | 5 | 1 | 13.5 | | | 3 | 2 | 13.5 | | | | | |
| | | 5 | 2 | 15 | | | 2 | 3 | 14.5 | | | | | |
| | | 5 | 1 | 16 | | | 1 | 4 | 15 | | | | | |
| | | 5 | 1 | 16.5 | | | 1 | 5 | 16 | | | | | |
| | | 3 | 2 | 17 | | | 2 | 5 | 17.5 | | | | | |
| | | 5 | 2 | 18 | | | 2 | 5 | 18 | | | | | |
| | | 5 | 2 | 18.5 | | | 2 | 10 | 19 | | | | | |
| | | 5 | 3 | 19.5 | | | 4 | 10 | 20 | | | | | |
| | | 5 | 4 | 20 | | | 3 | 15 | 20.5 | | | | | |
| | | 5 | 5 | 20.5 | | | 3 | 20 | 21 | | | | | |
| | | 5 | 10 | 21.5 | | | 3 | 25 | 21.5 | | | | | |
| | | 3 | 15 | 22 | | | 2 | 25 | 22 | | | | | |
| | | 5 | 15 | 22.5 | | | | | | | | | | |
| | | 5 | 15 | 23 | | | | | | | | | | |

Notes:

| Location (regional scale) | | Site (study plot) | | Transects | | Date | | Time | |
|---------------------------|---------|--------------------|---------|------------|---------|----------|---------|-------|-----|
| CO | | SLMET | | A, B | | 20241121 | | Start | End |
| Observer(s) | | Wx Description | | | | | | | |
| SKINNEY E. M. C. W. | | Cmm, FEW, No, NONE | | | | | | | |
| Transect A | | | | Transect B | | | | | |
| Point | HS (cm) | Point | HS (cm) | Point | HS (cm) | Point | HS (cm) | | |
| 0 | 17 | 31 | 14 | 0 | 19 | 31 | 7 | | |
| 1 | 7 | 32 | | 1 | 38.5 | 32 | 22 | | |
| 2 | 24 | 33 | | 2 | 26.5 | 33 | 14 | | |
| 3 | 27 | 34 | | 3 | 33 | 34 | | | |
| 4 | 25 | 35 | | 4 | 32 | 35 | | | |
| 5 | 23 | 36 | | 5 | 24 | 36 | | | |
| 6 | 24 | 37 | | 6 | 21.5 | 37 | | | |
| 7 | 24 | 38 | | 7 | 27 | 38 | | | |
| 8 | 22.5 | 39 | | 8 | 43 | 39 | | | |
| 9 | 22 | 40 | | 9 | 23 | 40 | | | |
| 10 | 23 | 41 | | 10 | 22 | 41 | | | |
| 11 | 21 | 42 | | 11 | 26.5 | 42 | | | |
| 12 | 7 | 43 | | 12 | 27 | 43 | | | |
| 13 | 19 | 44 | | 13 | 20 | 44 | | | |
| 14 | 26 | 45 | | 14 | 24 | 45 | | | |
| 15 | 21.5 | 46 | | 15 | 22.5 | 46 | | | |
| 16 | 20.5 | 47 | | 16 | 23 | 47 | | | |
| 17 | 20 | 48 | | 17 | 22 | 48 | | | |
| 18 | 11 | 49 | | 18 | 20 | 49 | | | |
| 19 | 19 | 50 | | 19 | 23 | 50 | | | |
| 20 | 20 | 51 | | 20 | 31.5 | 51 | | | |
| 21 | 17 | 52 | | 21 | 26.5 | 52 | | | |
| 22 | 17 | 53 | | 22 | 30.5 | 53 | | | |
| 23 | 14 | 54 | | 23 | 56 | 54 | | | |
| 24 | 15 | 55 | | 24 | 40 | 55 | | | |
| 25 | 19.5 | 56 | | 25 | 26 | 56 | | | |
| 26 | 21 | 57 | | 26 | 20 | 57 | | | |
| 27 | 22 | 58 | | 27 | 23 | 58 | | | |
| 28 | 8 | 59 | | 28 | 28 | 59 | | | |
| 29 | 0 | 60 | | 29 | 25 | 60 | | | |
| 30 | 7 | | | 30 | 25 | | | | |