**Location:**

Co

**Time:**

1142

**Observers:**

**Site:**

< melua

SLMET

**Date*:***

20241112

**Interval board SWE measurement**

Depth (cm)

SWE (mm)

**Precip Rate**

**None**

Very Light **(0.5** cm **/hr)**

Light (1 cm /hr)

Moderate **(5** cm /hr)

Heavy **(10** cm /hr)

**Sample A**

7.4

9.5

Density (kg/m3) Evidence of melt **resulting** in SWE

**loss?** (**Y/N)**

**Sample B**

**Precip Type**

**Rain**

**Snow**

Graupel

Hail

Rain/Snow

*7*

**Sample C**

7

9.5 9.5

**Sky**

Clear

**Few (<** 1/4 of sky)

Scattered **(1/4-1**/2 **of sky)**

Broken **(> 1/2 of sky)**

Overcast **(**complete cover)

**Ground condition**

**Wind**

**Calm (**0 mph**)**

Light **(1-16** mph**)**

Moderate **(**17 - 25mph**)**

**Tree Canopy**

**No** trees

Sparse **(**5-20%)

Open **(20-70%)**

Strong **(26-38 mph)** Closed **(> 70%)**

Extereme **(>** 38 mph**)**

**Ground roughness**

**Ground Vegetation**

000

Frozen

**Moist**

Saturated

Smooth **(**≤5cm)

Rough **(5-20** cm)

Rugged **(>** 20 **cm)**

Bare

Grass

Shrub

Deadfall

**Instrument**

**Y/N**

**SN**

**Instrument Y/N**

**Height of Ground Vegetation**

**SN**

**Additional Comments**

**(cm)**

**Digital** *LWC*

२

**Snow** Scope

Stratigraphy **pictures**

Y

Lyte Probe

له

له

**Weather**

**Standard ram**

N

**SMP**

IN

**Pit**

**Powder Ram**

له

Force Ram

Slush **Ram** N

HS Transects Y

Force Snow Scope

Snow Scope N

Transects

Pit ***Pictures***

Other

**SSA**/**NIR Box**

**Hardness**

**Misc**

225am *@* HS

20/24.8.03 PM

•

CRREL\_24-25\_snow\_strength\_pit.xlsx - Google **Sheets**

**Location** (Regional Scale)

**Date** (YYYYMMD)

Co

**Site (Study** Plot)

SLMET

70241172

**Time** (pit opened)

1151

**Observers** (first initial & last name):

4. McCan

**Temperature** profile

Comments**/Notes:**

INTERMITENT

ICE ON GROUND

**times**

START

END

**Pit** ID

**Snow Depth**

SITEYYYMMDD

**(cm**)

**LWC Device &** SN

**UTME**

SLMET 20241112

てて

N/o

**Density**

**LWC**

0425737 4419735

**Temperature**

**Zone**

**UTMN**

**(**two *digit*)

13

1152 1154

**GPS** device **&** uncertainty:

GARMIN 655 из

**Stratigraphy**

Permittivit

**Height above**

Density Density

Extra

Permittivity

ground

profile **A** profile B Density

profile A

profile B

**Height** above ground

*T*

Height above **ground**

Grain **Size (mm)**

Grain

Hand Manual Type **Hardness** Wetness

Stratigraphy Comments

**top (cm)**

77

19

5

778 19

гг

·

-

-

-

bottom

**kg/m3 kg**/m3 kg/m3

**(unitless)**

**(unitless)**

(cm**)**

ос

(cm)

top **(cm)**

bottom (cm)

**Max Min Avg**

19

Чит

22

-2.5

5

**13.50m**

70 1-2.2

22-2151

0.3 0.5 FCSE

F

M

SQUALES, EDGES

6

1. Sam

**38μm**

16

-2.1

0

-0,3

21.5.14.51

1 0.3 0.5 FCXR F

D

**BONDING,** NECA.NE STRAIGHT EDGES

знам

14.5.5 1.5 0.5 1

FCSO F+ D SQUARES**, ROUNDING** BEGINNY

Bumn

5

© 20.5

1 Feso

F+

D

EARLY CUPS**,** POINTS, TRIANGLES

I

**Location (regional scale) Site (study plot)**

Co

SLMET

**Transects**

**Date**

А, в

20241112

**Start**

**Time**

**End**

1219

1242

**Wx Description**

**Observer(s)**

EMcCur

Few, **LIGHT,** NO, NONE

**Transect A**

**Transect B**

**Point HS (cm)**

**Point**

**HS (cm) Point HS (cm**)

**Point**

**HS (cm)**

**0** 4,5

**31**

10

018

31

**1**

4

32

16

**1**

32

**32**

221

**33**

2 18.5

**33**

3

20

34

3

76

34

**4**

24

**35**

4

35

**35**

**5**

23

**36**

**5**

76

**36**

**6**

22.5

**37**

673

**37**

7

21.5

**38**

7

25

**38**

873

**39**

877

**39**

926

**40**

978

40

**10** 28

**41**

**10**

zz

**41**

11 19.5

42

**11**

29

**42**

21

12

43

**12**

70

**43**

**13**

70

**44**

13 3 19

**44**

**14**

13

45

**14**

**25**

**45**

**15** 17

**46**

**15**

чо

46

**16** 18

**47**

16 19

**47**

**17** 17

**48**

**17**

2415

**48**

**18** 17

**49**

**18**

24.5

**49**

**19**

14

50

**19**

255

**50**

**20** 16

**51**

**20**

30

**51**

2117.5

52

21 78.5

52

22

23

**53**

22

73.5

53

23 24

54

23

40

54

24

ZZ

**55**

24

76n

**55**

**25** 16

**56**

**25** 27

**56**

**26**

Zo

**57**

26 Z4

**57**

**27** 18

**58**

27 722

**58**

**28**

12

**59**

**28**

てて

**59**

29

5

**60**

29 *18*

**60**

**30** 15

**30** 12