



Chris Landry <snowstudies@gmail.com>

Re: [EXTERNAL] Re: Senator Beck Yesterday

1 message

Mcdermott, William R <wmcdermott@usgs.gov>
To: Jeff Derry <jderry@snowstudies.org>
Cc: "Sexstone, Graham A" <sexstone@usgs.gov>

Fri, Feb 10, 2023 at 5:40 PM

We put in the skin track in the morning and one party went through the basin continuing northwest during the day. Parking areas on both sides of the road were packed when we got down though!

-Will

From: Jeff Derry <jderry@snowstudies.org>
Sent: Friday, February 10, 2023 5:36 PM
To: Mcdermott, William R <wmcdermott@usgs.gov>
Cc: Sexstone, Graham A <sexstone@usgs.gov>
Subject: [EXTERNAL] Re: Senator Beck Yesterday

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Hey there -

Great to hear. Yesterday was a good day to go up, cold, but sunny. I had intended to email the first of the week that things were looking pretty good but got too busy. Glad you got up and got some data! How much skier activity was there, was the route pretty well established.?

Thanks for sending - Jeff Derry

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On Fri, Feb 10, 2023 at 11:25 AM Mcdermott, William R <wmcdermott@usgs.gov> wrote:

Hey Jeff,

Joel and I were able to get up to Senator Beck yesterday for a great sunny last-minute visit. Attached are some photos of how your equipment was looking.

Snow depths on your stakes were recorded as:

-NE 0.86m, E 0.7m, SE 0.95m, SW 1.32m, W 1.24m, NW 1.39m.

Also if you are interested here is our swe pit measurements:

| site_name | latitude | longitude | observers | date | time | cutter_siz | lower_depth_cm | upper_depth_cm | mass_1_g | mass_2_g | mass_3_g | snow_temp_c | snow density (kg/m3) | SWE (mm) | surface_temp | ground_temp | Therm_precision |
|--------------|----------|-----------|-----------|----------|-------|------------|----------------|----------------|----------|----------|----------|-------------|----------------------|----------|--------------|-------------|-----------------|
| Senator Beck | 37.9071 | -107.7263 | WM, JH | 2/9/2023 | 11:30 | 250 | 110 | 119 | 41 | 46 | | -12.5 | 193.3333333 | 17.4 | -16 | -1.5 | 0.5 |
| Senator Beck | 37.9071 | -107.7263 | WM, JH | 2/9/2023 | 11:30 | 250 | 100 | 110 | 75 | 75 | | -11 | 300 | 30 | -16 | -1.5 | 0.5 |
| Senator Beck | 37.9071 | -107.7263 | WM, JH | 2/9/2023 | 11:30 | 250 | 90 | 100 | 73 | 69 | | -10.5 | 284 | 28.4 | -16 | -1.5 | 0.5 |
| Senator Beck | 37.9071 | -107.7263 | WM, JH | 2/9/2023 | 11:30 | 250 | 80 | 90 | 74 | 74 | | -9 | 296 | 29.6 | -16 | -1.5 | 0.5 |
| Senator Beck | 37.9071 | -107.7263 | WM, JH | 2/9/2023 | 11:30 | 250 | 70 | 80 | 90 | 86 | | -7.5 | 352 | 35.2 | -16 | -1.5 | 0.5 |
| Senator Beck | 37.9071 | -107.7263 | WM, JH | 2/9/2023 | 11:30 | 250 | 60 | 70 | 91 | 89 | | -7.5 | 360 | 36 | -16 | -1.5 | 0.5 |
| Senator Beck | 37.9071 | -107.7263 | WM, JH | 2/9/2023 | 11:30 | 250 | 50 | 60 | 84 | 85 | | -6 | 338 | 33.8 | -16 | -1.5 | 0.5 |
| Senator Beck | 37.9071 | -107.7263 | WM, JH | 2/9/2023 | 11:30 | 250 | 40 | 50 | 94 | 94 | | -5.5 | 376 | 37.6 | -16 | -1.5 | 0.5 |
| Senator Beck | 37.9071 | -107.7263 | WM, JH | 2/9/2023 | 11:30 | 250 | 30 | 40 | 98 | 93 | | -4.5 | 382 | 38.2 | -16 | -1.5 | 0.5 |
| Senator Beck | 37.9071 | -107.7263 | WM, JH | 2/9/2023 | 11:30 | 250 | 20 | 30 | 74 | 71 | | -3 | 290 | 29 | -16 | -1.5 | 0.5 |
| Senator Beck | 37.9071 | -107.7263 | WM, JH | 2/9/2023 | 11:30 | 250 | 10 | 20 | 71 | 72 | | -3 | 286 | 28.6 | -16 | -1.5 | 0.5 |
| Senator Beck | 37.9071 | -107.7263 | WM, JH | 2/9/2023 | 11:30 | 250 | 0 | 10 | 71 | 72 | | -2 | 286 | 28.6 | -16 | -1.5 | 0.5 |

And our total pit values:

| site_name | date | time | pit density (kg/m3) | pit swe (mm) | pit depth (m) | notes |
|--------------|----------|-------|---------------------|--------------|---------------|-------|
| Senator Beck | 2/9/2023 | 11:30 | 312.9411765 | 372.4 | 1.19 | |

We dug our pit in the top NorthWest corner of the marked pit area.

-Will

Will McDermott

Physical Scientist

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