

Wyoming Update Field Ops meeting



Personnel & Snow time

- STC – Ms. Astrid Martinez
- PM – James Bauchert (State Soil Sci) <1/4 FTE
- WSS – Lee Hackleman 1/2 FTE
- HT – Ken Von Buettner 1 FTE

SNOTEL Statistics

Wyoming is divided between 3 DCO's (CO, MT, ID)

- Wyoming has 89 SNOTEL sites, & 2 in South Dakota
- MT DCO has most, 41 SNOTEL sites (includes SD)
- ID DCO has 30 SNOTEL sites
- CODCO has 20 SNOTEL sites

Snow Course Statistics

Wyoming is divided between 3 DCO's (CO, MT, ID)

- Wyoming has 61 snow courses, & 2 in South Dakota
- MT DCO has most, 28 sites (includes 2 in SD)
- ID DCO has 24 active sites (includes 6 BOR sites)
 - 3 sites on west side of Teton Mountains (ID access)
- CODCO has 11 sites

Snow Course Maintenance

- AOR 54 snow courses
- 28 in MT DCO
- 15 in ID DCO
- 11 in CODCO

In CODCO there are 2 snow courses with a 2nd course.

- Moss Lake 2
- Fox Park 2



Snow Survey Statistics

- 226 Snow Course measurements
 - 120 of these by Wyoming SEO
 - 55 by a NRCS & SEO team
 - 51 by other cooperators
 - BOR, NPS, Teton CD/USFS, Teton Science School (TSS)

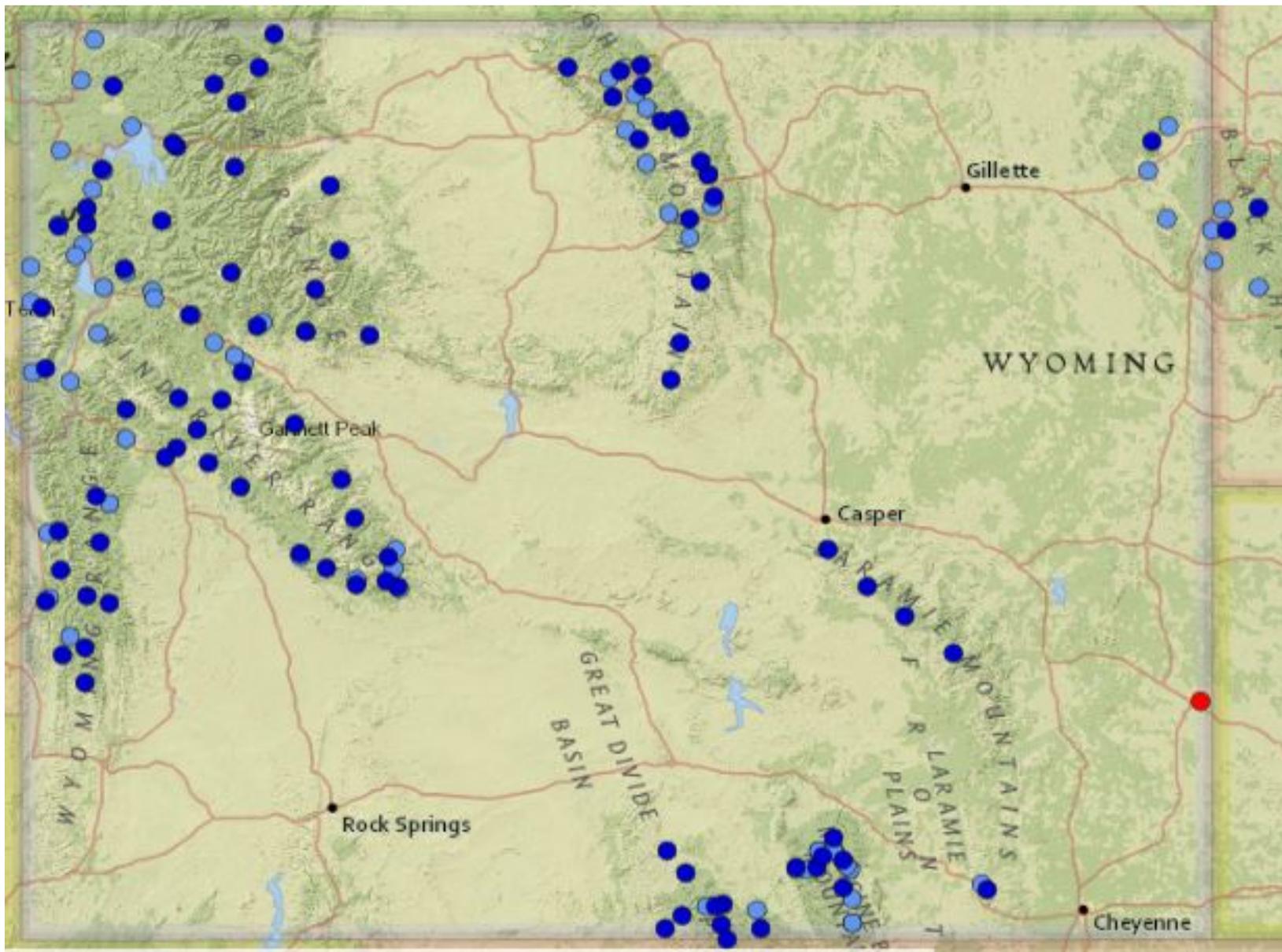
Snow Survey Statistics (cont)

- 52 ground truth SNOTEL measurements
 - 23 of these by Wyoming SEO
 - 19 by a NRCS & SEO team
 - 10 by other cooperators
 - BOR & NPS

Snow Survey Statistics (cont)

278 total measurements (SC's & SNOTEL)

- 146 of these by Wyoming SEO (53%)
- 74 by a NRCS & SEO team
- 61 by other cooperators
 - 28 BOR
 - 24 NPS
 - 9 by TCD/FS & TSS



SNOTEL configuration Wyoming



91 SNOTEL sites (w SD)

- shelter for electronics
- snow pillow
- storage precipitation gauge
- snow depth sensor (-1)
- temperature sensor
- soil moisture (28 sites)
- wind sensors (6 sites)
- relative humidity (4)

Soil moisture sensors



- At 28 SNOTEL sites
- 3-5 sensors at a site
- Buried at 2,8,20;
2,4,8,20,40; 4,8,20;
4,8,20,40 inches
- 22 sites have soil
profile

Equipment: Snowmobiles



14 mission sleds

- 9 Polaris RMK 600
- 3 Ski Doo 800
- 2 Ski Doo 600
- ✓ 6 trailers for above

Questions ?