Snowpack Conditions, Station Information and Data Acquisition/Analysis

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Natural Resources Conservation Service
National Water and Climate Center
Portland, Oregon

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Salt Lake City, UT
27 October 2016
Mountain Snowpack Conditions - April 1, 2016

United States Department of Agriculture
Natural Resources Conservation Service

Map showing snowpack conditions across various regions, with color-coded areas indicating different percentages of water equivalent.
Spring Mountain Precipitation, 2016
Water Year Mountain Precipitation, 2016
WY 2016, April 1 Forecast Verification
New, Upgraded and Impacted SNOTEL, 2016
Colorado Basin and Great Basin

New Sites

**Metadata Report**

(As of: Wed Oct 26 09:54:38 GMT-08:00 2016)

** Provisional data, subject to revision **

<table>
<thead>
<tr>
<th>Station Name</th>
<th>Station Id</th>
<th>State Code</th>
<th>Network Code</th>
<th>Elevation</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bobs Hollow</td>
<td>1278</td>
<td>UT</td>
<td>SNTL</td>
<td>9300</td>
<td>38.94797</td>
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<td>2100-01-01</td>
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<td>Elkhead Divide</td>
<td>1252</td>
<td>CO</td>
<td>SNTL</td>
<td>8780</td>
<td>40.79649</td>
<td>-107.10122</td>
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Soil Moisture and Soil Temperature Sensors Added

(As of: Wed Oct 26 11:22:27 GMT-08:00 2016)

** Provisional data, subject to revision **

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</thead>
<tbody>
<tr>
<td>Triple Peak</td>
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Impacted Sites

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<th>Longitude</th>
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<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slumgullion</td>
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<td>CO</td>
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<td>37.99080</td>
<td>-107.20327</td>
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</tbody>
</table>
Elkhead Divide Snotel Installation
Elkhead Divide Snotel Installation
Red Mountain Pass Snotel – Land Ownership Issue

- Site is on private land and landowner wants it removed
- Red Mountain Pass Snotel is a long term, high elevation site
- Critical for water supply forecasting in the Dolores, Gunnison and San Juan River Basins
- Option to purchase land
- Option to move site
- Option to discontinue site
- Outcome actively being negotiated
Slumgullion Snotel – Forest Disturbance
Hole-in-Mountain Avalanche
Hole-in-Mountain Avalanche
SNOTEL and AWDB Data Access

• Report Generator
  http://wcc.sc.egov.usda.gov/reportGenerator/

• AWDB Web Service:
Data Analysis and Mapping

• Interactive Map:  
  http://www.wcc.nrcs.usda.gov/snow/snow_map.html

• Snotel Update Report:  
  http://wcc.sc.egov.usda.gov/reports/SelectUpdateReport.html
Contact NRCS Snow Survey and Water Supply Forecasting Program

- [http://www.wcc.nrcs.usda.gov/contact/index.html](http://www.wcc.nrcs.usda.gov/contact/index.html)
- The Contact Help Center offers comprehensive contact choices based on subject matter
- And of course, you can always contact me directly: [angus.goodbody@por.usda.gov](mailto:angus.goodbody@por.usda.gov)