



Soil and Plant Science Division

2021 Annual Soils Refresh

Details for 2021 Soil Survey Data Refresh

The USDA NRCS Soil and Plant Science Division refreshes the publicly available soil survey database once a year. This Annual Soils Refresh (ASR) provides new soils data, updates to existing soils data, and new soil interpretations. The ASR also ensures all official soils data adhere to the same standards.

The official soil survey database was refreshed on October 1, 2021. The Soil and Plant Science Division made the data available to the public through Web Soil Survey (WSS) and Soil Data Access (SDA).

The list below highlights some of the major additions to the official soil survey database in 2021.

- 29 million acres of new soils data.
- Tabular data refreshed all 3,373 soil survey areas.
- 117 national soils interpretations published.
- Spatial data was refreshed for 645 of the 3,373 soil survey areas.
- 95,000 new soil polygons added.
- 2,700 new map units added.
- 30,000 new soil components added.
- 13 existing soil survey areas that previously had areas of no soils data now have complete soils coverage.
- The following 10 new soil survey areas were published with complete soils coverage:
 - AK753 - Brooks Range - Kobuk Valley National Park and Noatak Preserve Area, Alaska*
 - AK758 - National Petroleum Reserve - Brooks Foothills South Area, Alaska*
 - AZ657 - Kofa Area, Arizona, Parts of La Paz and Yuma Counties
 - CA792 - Sequoia and Kings Canyon National Parks, California
 - CO650 - Willow Creek Pass Area, Colorado, Parts of Grand and Jackson Counties
 - CO684 - Flat Tops Area, Colorado, Parts of Eagle, Garfield, Moffat, Rio Blanco, and Routt Counties
 - OR644 - Malheur County, Oregon, Southern Part
 - WA776 - City of Tacoma, Washington
 - WY622 - Medicine Bow National Forest, Wyoming, Northern Part
 - WY632 - Medicine Bow National Forest, Wyoming, Central and Western Parts

* Soil survey area contains general soil mapping, published at a 1:250,000 scale.

