

Upload color scale file

File format

Color scales are in .clr format. A .clr file is a space-delimited text file that maps the pixel value with the red, green, and blue color values. The pixel value is given in the left column. The red, green, and blue color values are given in the three columns to the right of the pixel value. The color values can range from 0 to 255. An example .clr file is given below.

```
ColorMap 1 1
900 248 250 234
905 252 236 192
910 240 219 161
915 211 192 112
920 192 159 13
925 242 167 0
930 241 207 14
935 219 208 78
940 175 204 166
945 117 193 120
950 124 196 120
955 171 217 177
```

Name

The file name should contain the following elements:

- Geographic place name (Abbreviate this name for NRDs and other commonly abbreviated place names);
- Name of the grid file to which the color scale applies, if applicable (generic color scales do not need this element);
- The range of values (typically elevation, in meters) over which the color scale is stretched;

Example: MRNRD_Base_of_aquifer_633-930.clr

Example generic color scale file name: Madison_Co_453-599.clr

Upload 2D grid file

File formats

Several formats are supported .grd, .asc, .tif

Name

The file name and the name entered into the Grid Information box should be identical. The name should consist of the following elements:

- Geographic place name (Abbreviate this name for NRDs and other commonly abbreviated place names);
- A short (~1 – 3 words) description of the surface or product the grid represents (i.e. DEM, LiDAR, base of aquifer, bedrock surface, top Niobrara, etc.)

- Because Digital Elevation Models (DEMs) vary in resolution, and because the resolution of the terrain file is important for many modeling purposes, the grid resolution should be included in the name for these files

Example: MRNRD_Base_of_aquifer.grd

Example: Madison_LiDAR_40m.grd

Description

The description should contain as much of the following information as possible, if it applies:

- A description of the surface which the grid represents;
- Consultant or institution responsible for creating the grid;
- Short citation of report or publication (i.e. USGS SIR 2013-1268);
- Grid resolution (for DEMs);
- Any modification or processing performed on the grid that causes it to differ from the source file (e.g. downsampling to a coarser resolution, smoothing operation, clipping to boundary, etc.)
- Units of measurement for the pixel values.

Example: Base of the principal aquifer; Figure 1 from CSD Resource Atlas 12; Elevation in meters above sea level.

Example: Digital elevation model (terrain file) of Madison County. Down-sampled to 40 m resolution from 2 m LiDAR. Elevation in meters above sea level.

Epsg:

- The EPSG value for NAD 83 State Plane meters is 32104