Map

Description automatically generated

**Rangeland Meeting-14th Feb**

Figure 1: Rangelands in US

[Reference Link](https://usfs.maps.arcgis.com/home/webmap/viewer.html?webmap=7a9e4a07d4054d9ca5da888b36d5abbb)

Map

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Figure 2: Grids being used

**A map of the world

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Figure 3: Counties are colored by the # of rangeland grids.

**Chart

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Figure 4: Distribution of rangeland grids per county

**Statistics**

1. There are a total of 3006 counties in the US, the counties that cover more than 1 pixel of rangeland are 2644.
2. For our analysis, we are considering a total of 1052 county-state combinations where grids are selected such that rangelands cover at least 20% area of the grid.
3. This covers 90,025 grids out of the 483897 total grids.

**ACTION ITEMS:**

1. **County selection**—min area as cut-off, produce counties along with area being covered by rangelands.
2. **Grids selection**- filter on grid area being covered by rangelands. Zoom in on-0-50 grids per county.

**Thermal Stress Calculation**

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**Categorization in Zones**

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[**Reference Link**](https://beef.unl.edu/beefwatch/heat-stress-handling-cattle-through-high-heat-humidity-indexes)

**A per-grid view (1979-2019)**

**Chart

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**ACTION ITEMS:** Calculate mean, max, std dev, 90th percentile for the THI variable.