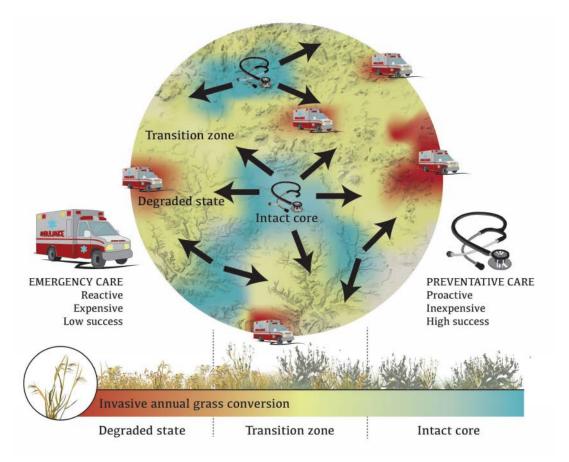


Priority Areas For Invasive Annual Grass EDRR and Treatment Planning

Triaging Nevada's response

Triage Focused Weed Control

- Threat-based core identification needed.
- Resources for guiding IAG control efforts are sparse:
 - USGS Near Realtime MODIS Data (250km)
 - Rangeland Analysis Platform and NLCD indicate extent and density of IAG
 - Coates HSI shows suitability to GRSG
 - None indicate risk of invasibility, where core habitats are, or identify at risk adjacent areas.
- SETT wanted to determine:
 - Where are annual grasses *not* present and,
 - Where is habitat generally in "good" condition
 - Where these criteria line up should be high priority to prevent further invasion



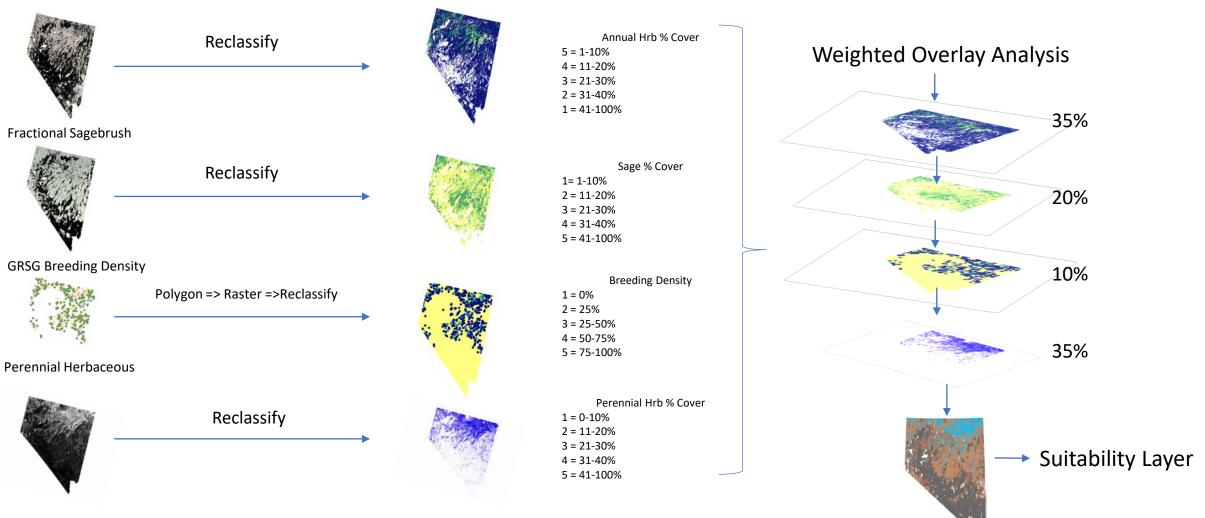
Suitability Analysis

- Common process: layer criteria to determine optimal locations
 - Often done for locational planning (city planning, where can I put a starbucks etc.)
 - Nevada Department of Forestry
 - Habitat Suitability Index
 - HQT
- Data sources are highly dependent on question
 - SETT question was "where are our core functional ecosystem areas from a wildfire and invasive annual grass standpoint?"

Suitability Analysis

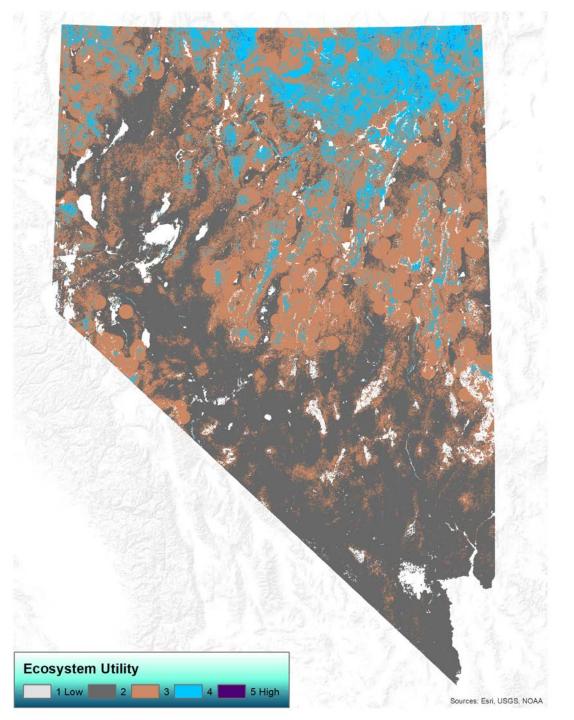
1 = low *value* in terms of ecosystem function 5= high *value* in terms of ecosystem function

Fractional Annual Herbaceous



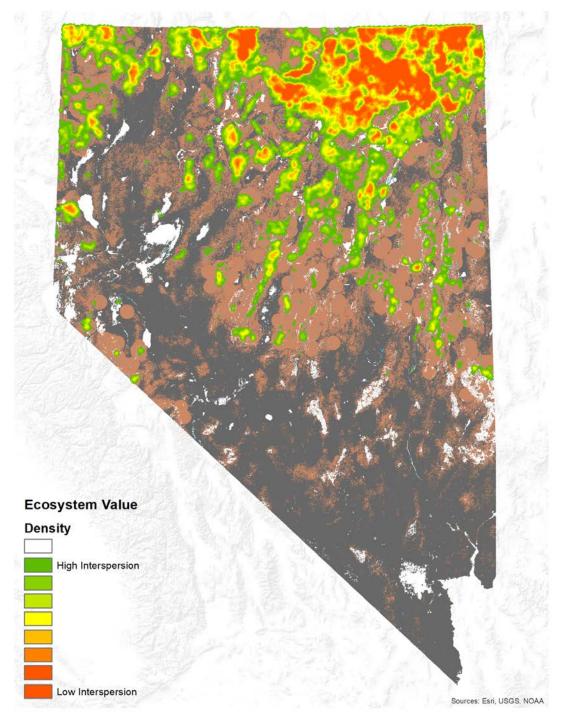
Suitability Layer

- Colors reflect value for ecosystem function driven from IAG and perennial grass % cover.
- Very little extremely low or extremely high value
- Agriculture, urban, water are masked

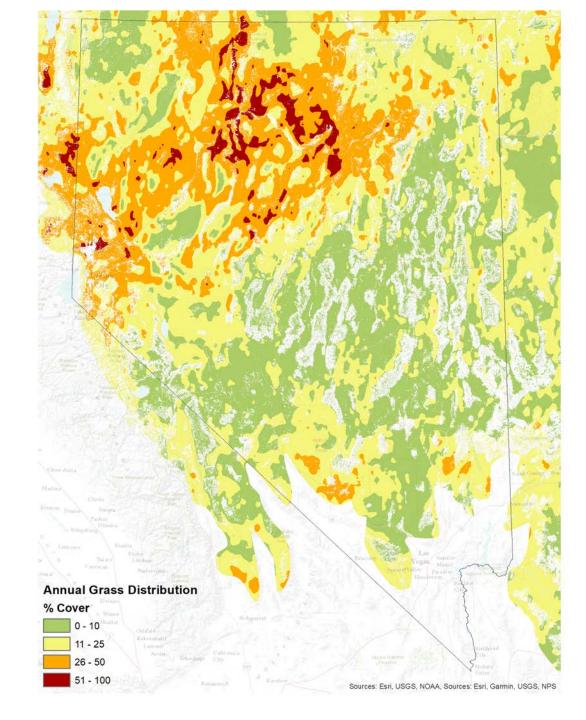


Suitability Layer

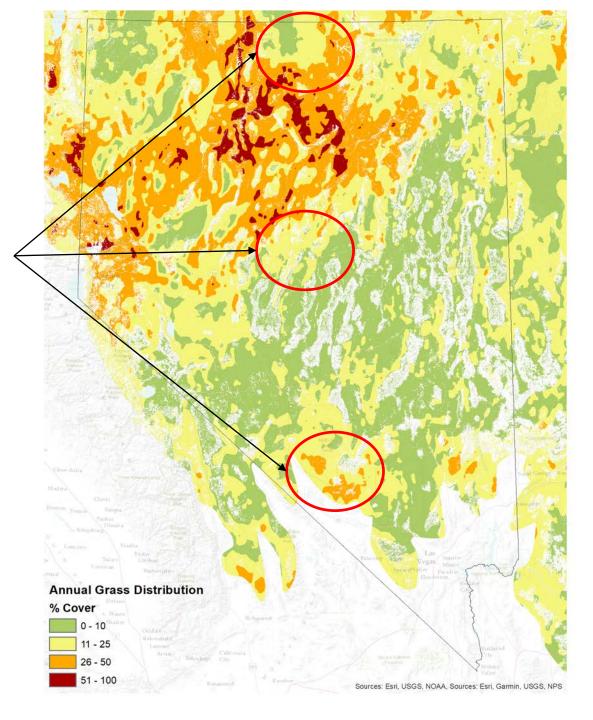
- Colors reflect value for ecosystem function driven from IAG and perennial grass % cover.
- Very little extremely low or extremely high value
- Agriculture, urban, water are masked
- Kernel smoothing of point measurements of 4-5 categories. Visually differentiate areas with high density of category 4-5 vs. areas with more "mixed" values.



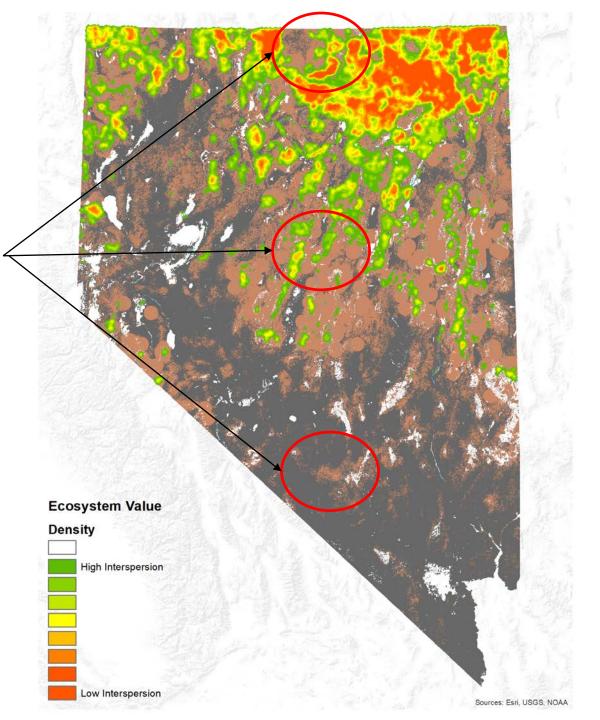
Cover is so wide that IAG treatments need to be strategic



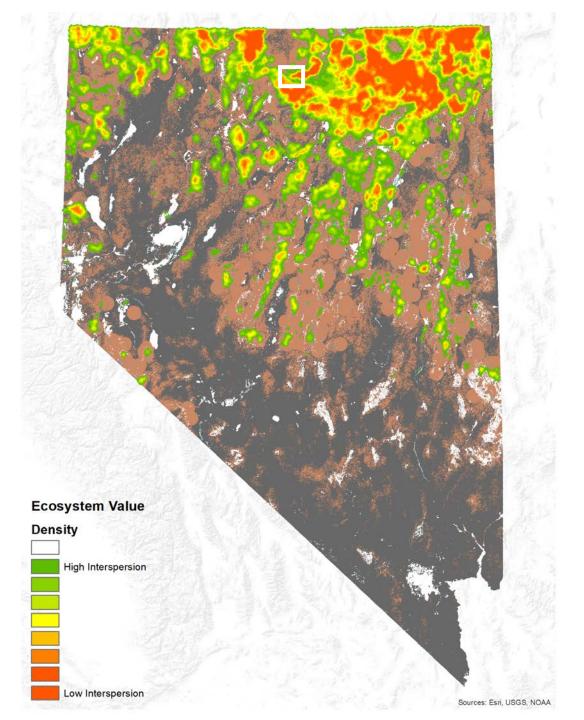
Cover is so wide that IAG treatments and monitoring need to be strategic

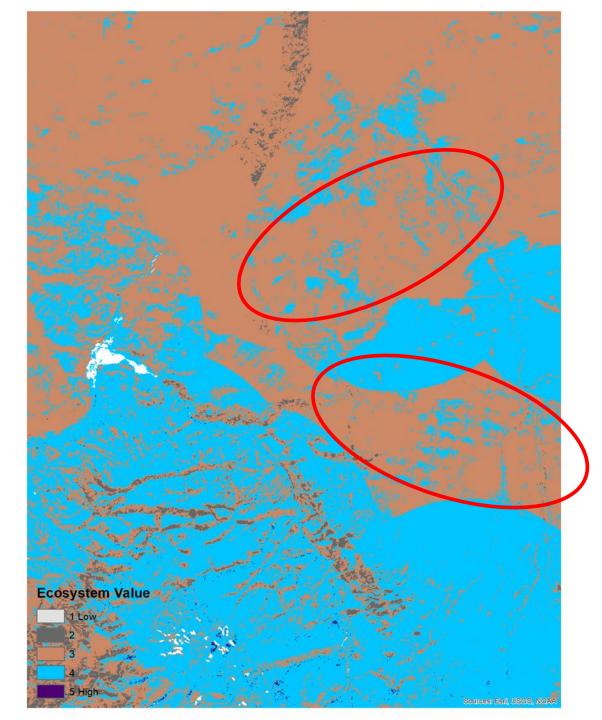


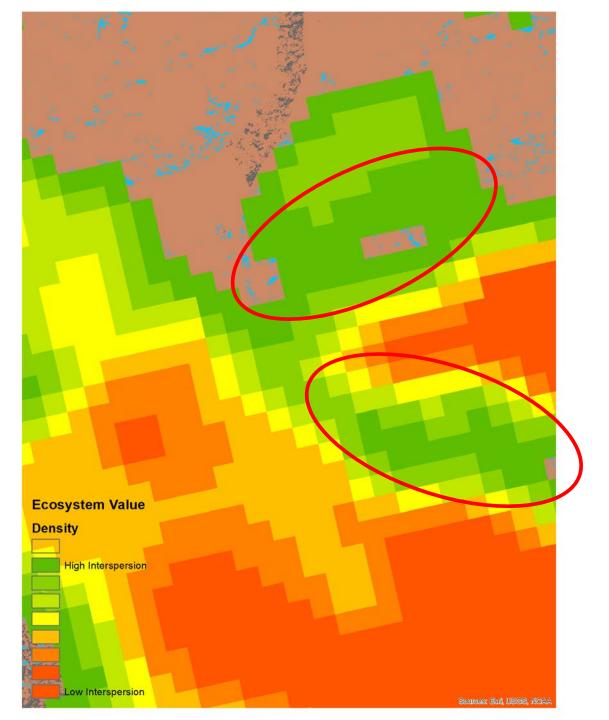
Cover is so wide that IAG treatments and monitoring need to be strategic

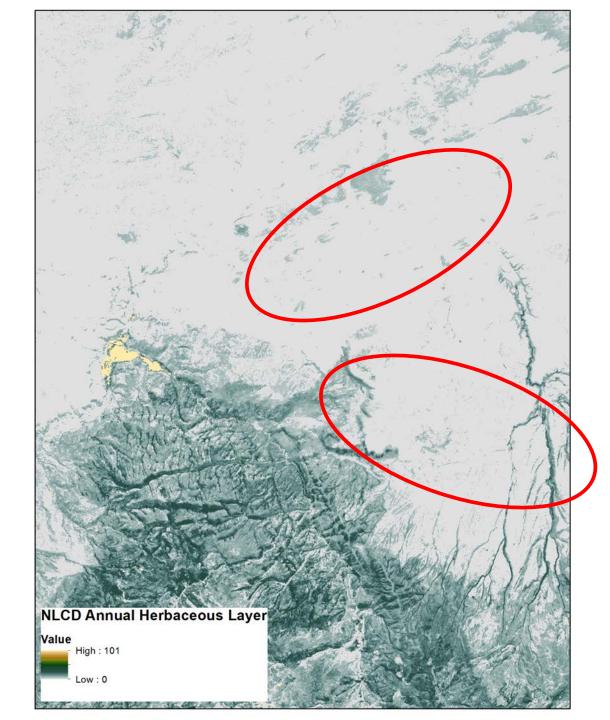


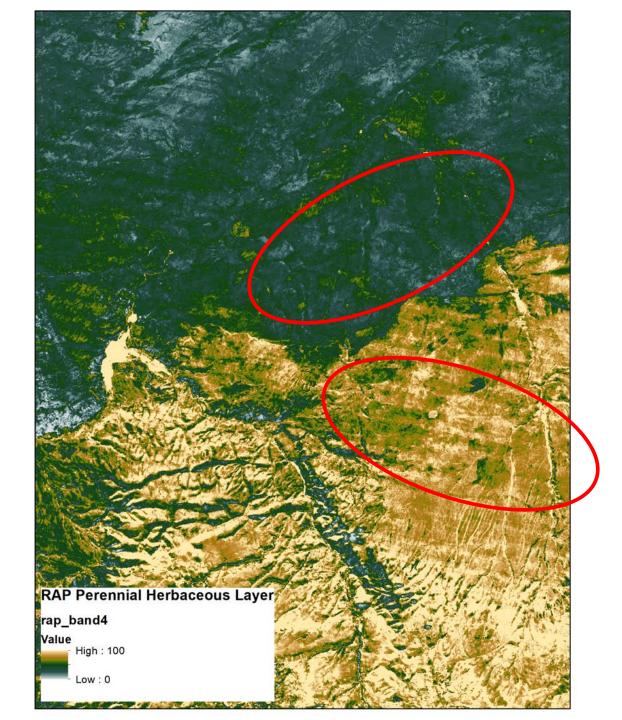
Cover is so wide that IAG treatments, EDRR, and Monitoring need to be strategic











Specific applications:

- Best bang for the buck
- SETT intends to work with partners to develop additional funding for EDRR
- Assist in targeted grazing location
- Guide treatment planning from local and state perspectives
 - When local planning is conducted, finer resolution resources should be used in conjunction

Access:

- High resolution image available on website
- Contact info listed and SETT can assist with mapping if needed, or supply layer.

