

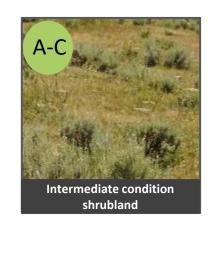




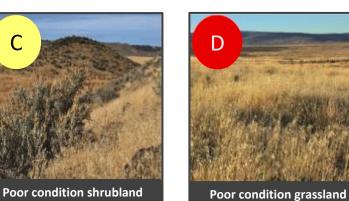
Threat-based Ecostates

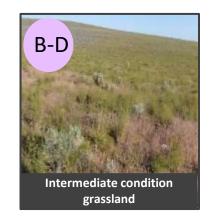
Underlying rule set based on data from the Rangeland Analysis Platform:

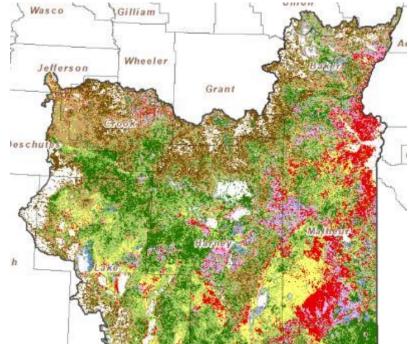
- Tree cover
- Shrub cover
- Herbaceous condition: ratio of annual forb & grass to perennial forb & grass

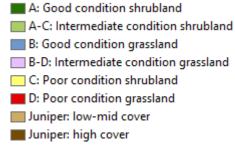
















Good condition grassland

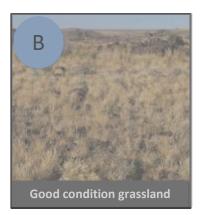












B-D

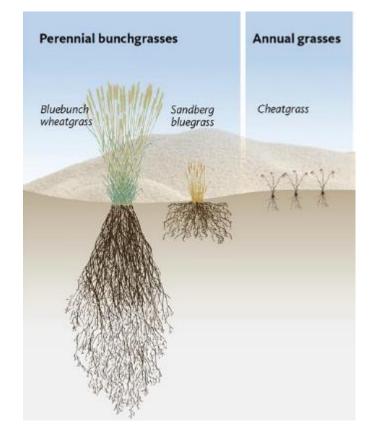
Intermediate condition

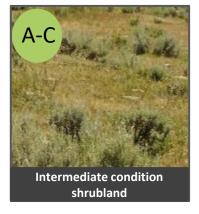
grassland





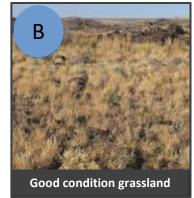




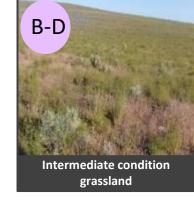


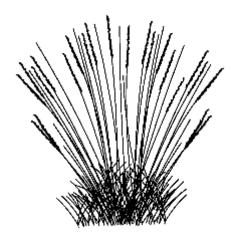














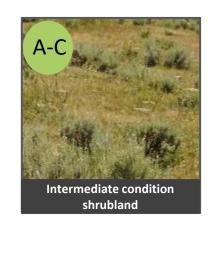




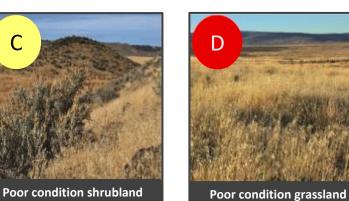
Threat-based Ecostates

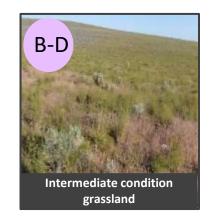
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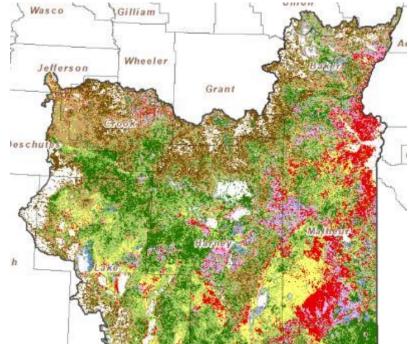
- Tree cover
- Shrub cover
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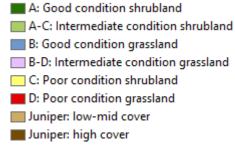








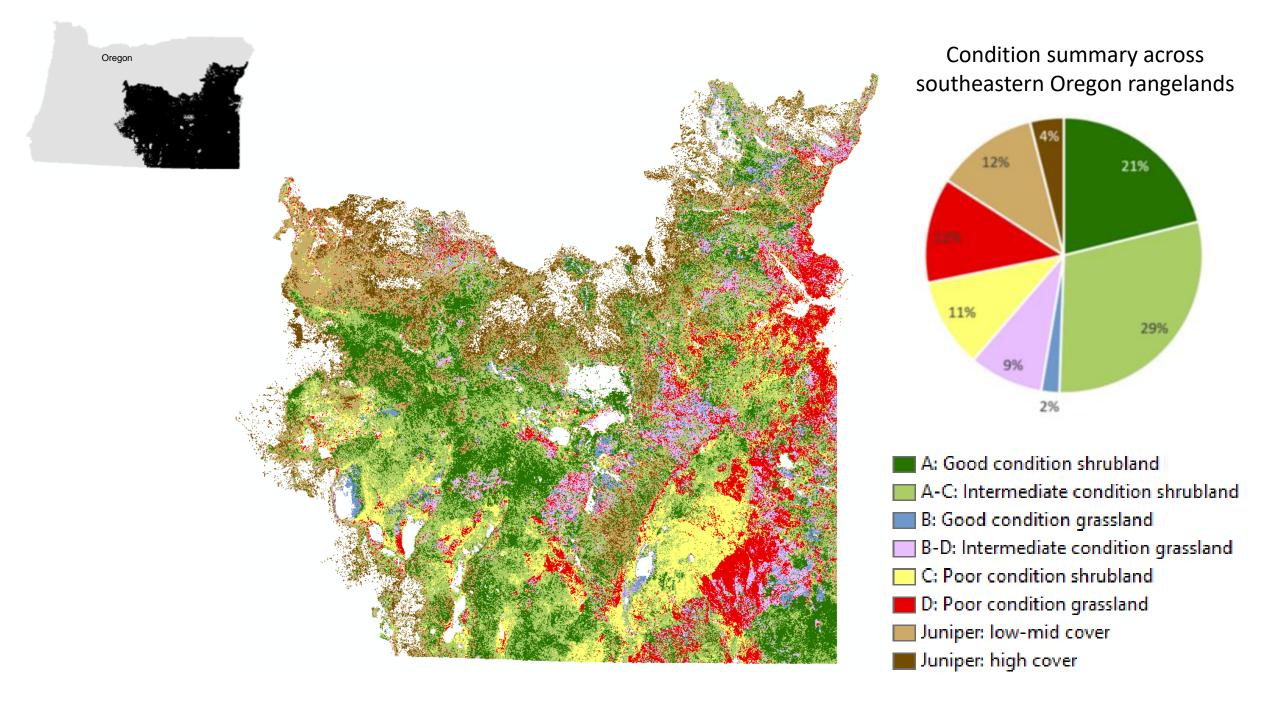




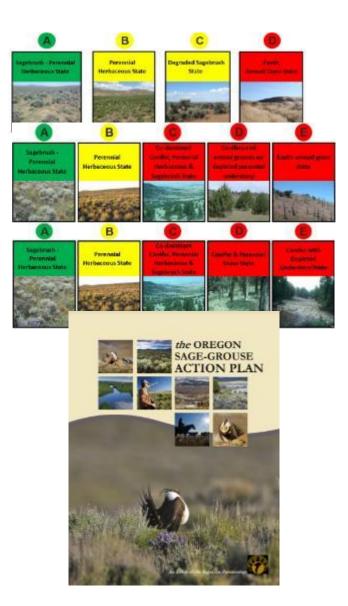




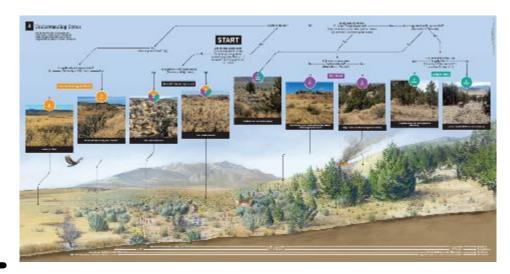
Good condition grassland

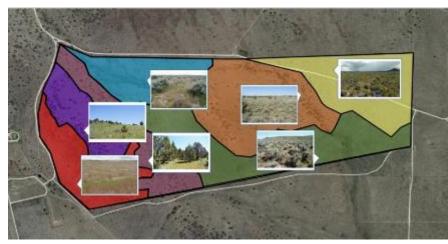


Three original simplified models



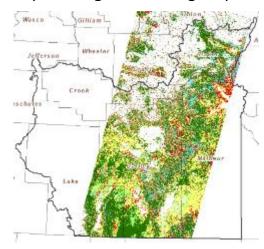
Single unified threat model



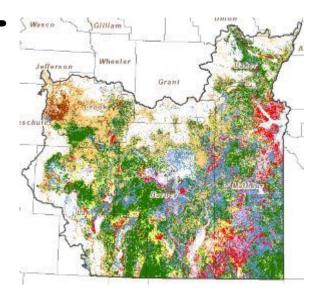


Site/pasture applicationsField-based mapping of CCAs and CCAAs

Open Range Consulting maps

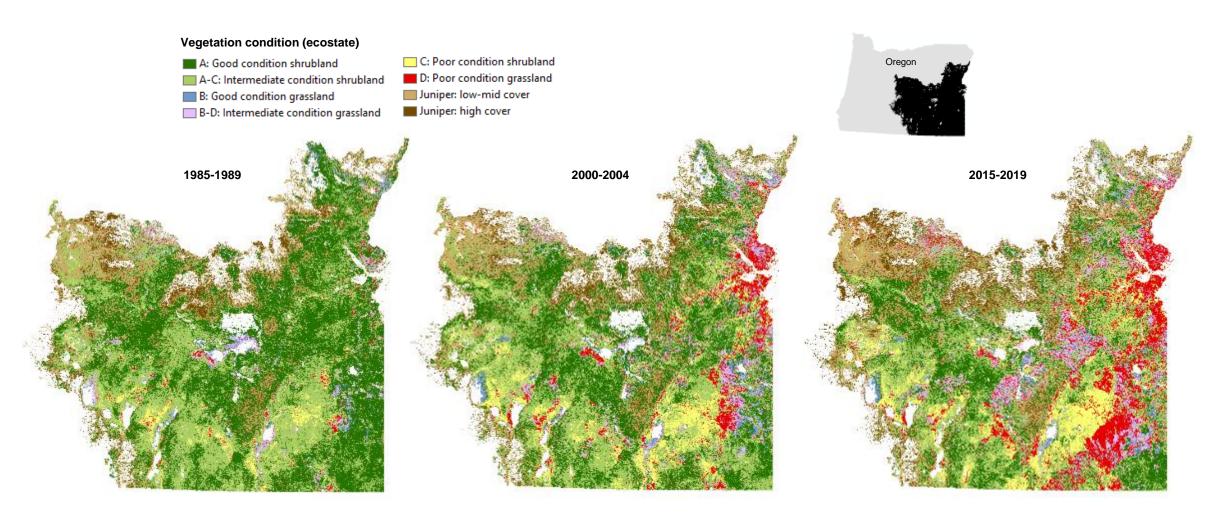


SE Oregon NN veg composition map



Landscape-scale applications
Ecostate mapping using remotely sensed data

Ecostate Time Series map – capturing trend over time



For more information see: https://oe.oregonexplorer.info/Wildlife/ExternalContent/SageCon/Oregon_Ecostate_Time_Series_Map_Description.pdf

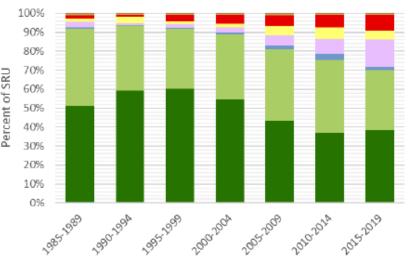
Statewide condition & trend monitoring

SageCon Rangeland Condition Report

DRY VALLEY SAGEBRUSH REPORTING UNIT

The Dry Valley SRU covers 970,000 acres and 906,000 acres of sagebrush rangelands, including the Dry Valley-Jack Mountain PAC (449,000) acres and 306,000 acres of low-density habitat. Land ownership is 92% federally-managed, 1% state-managed, and 7% private.





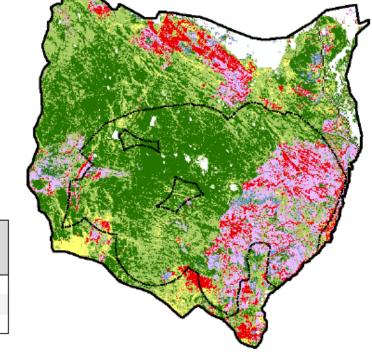
| A: Good condition shrubland | |
|---------------------------------------|---|
| A-C: Intermediate condition shrublan | d |
| C: Poor condition shrubland | |
| B: Good condition grassland | |
| B-D: Intermediate condition grassland | |
| D: Poor condition grassland | |
| Juniper: low-mid cover | |
| Juniper: high cover | |

This SRU contains large areas of intact shrub steppe, except where large fires have occurred, including the 2012 Miller Homestead that burned 160,000 acres on the eastern side of the PAC. Areas of relatively intact shrub steppe (A and A-C) cover 634,000 acres (70%) of the SRU and 302,000 acres (68%) of rangelands in PAC.

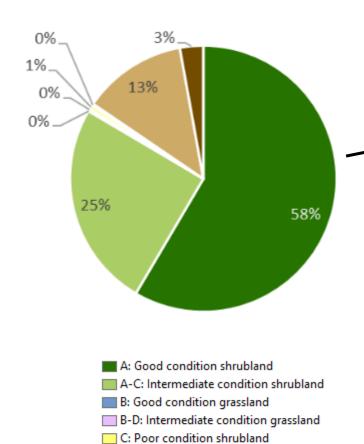
| VEGETATION MAP SUMMARY | ACRES & PERCENT RANGELANDS AFFECTED | | | |
|--------------------------------|-------------------------------------|-----|-----------------------------------|-----|
| Primary Threat | Dry Valley SRU | | Dry Valley - Jack Mountain PAC | |
| IAG dominated (2015-2019) | 121,000 | 13% | 47,000 | 11% |
| Juniper encroached (2015-2019) | 5,000 | 1% | 2,000 | <1% |
| Wildfire (burned 2003-2020) | 171,000 | 18% | 146,000 | 33% |

| AIM PLOT SUMMARY (BLM MANAGED ONLY) | NUMBER (%) OF AIM PLOTS | | |
|---|-------------------------|-----------------------------------|--|
| Selected Rangeland Health Indicators | Dry Valley SRU | Dry Valley - Jack Mountain PAC | |
| Plots with 10-25% sagebrush cover | 57 (34%) | 46 (33%) | |
| Plots with ≥15% deep-root perennial grass cover | 60 (36%) | 49 (35%) | |
| Plots with ≥5% perennial forb cover | 54 (32%) | 50 (35%) | |

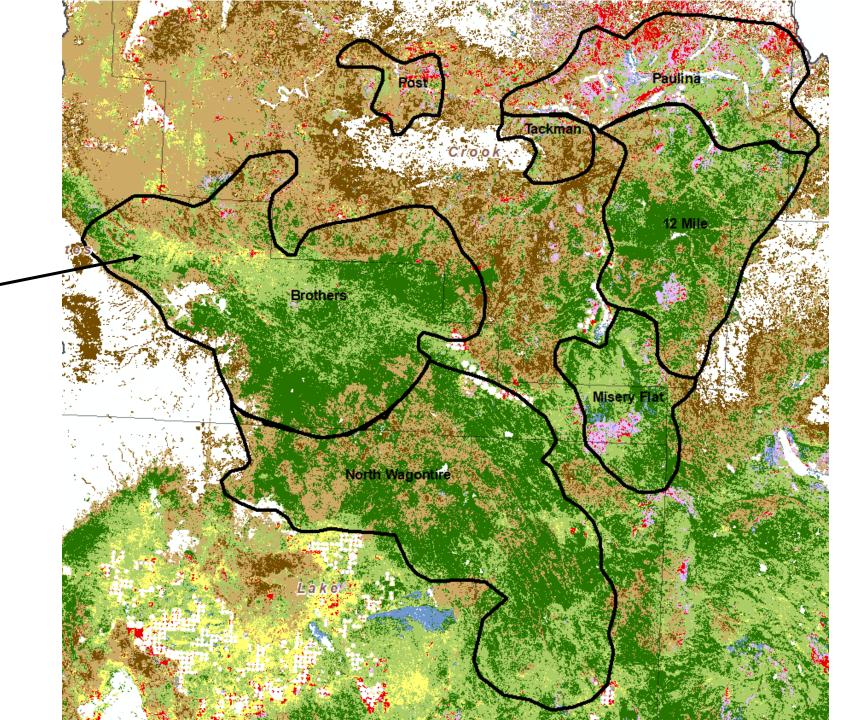
Number of BLM AIM plots (2016-2020) in SRU: 167, PAC: 141.



Rangeland Condition: Collaborative-Scale



■ D: Poor condition grassland
■ Juniper: low-mid cover
■ Juniper: high cover





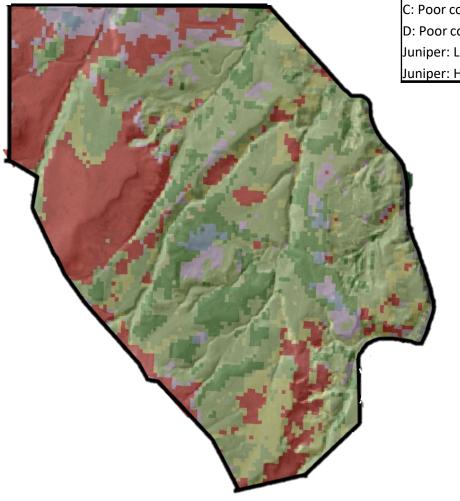
State A-C: Intermediate condition shrubland



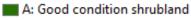
State D: Poor condition grassland

Rangeland Condition: Pasture-scale

Ecostates



| Ecostate | Acres | Percent |
|---------------------------------------|-------|---------|
| A: Good condition shrubland | 271 | 13% |
| A-C: Intermediate condition shrubland | 890 | 43% |
| B: Good condition grassland | 30 | 1% |
| B-D: Intermediate condition grassland | 142 | 7% |
| C: Poor condition shrubland | 224 | 11% |
| D: Poor condition grassland | 517 | 25% |
| Juniper: Low-mid cover | 4 | 0% |
| Juniper: High cover | 0 | 0% |



A-C: Intermediate condition shrubland

B: Good condition grassland

B-D: Intermediate condition grassland

C: Poor condition shrubland

D: Poor condition grassland

Juniper: low-mid cover

Juniper: high cover

