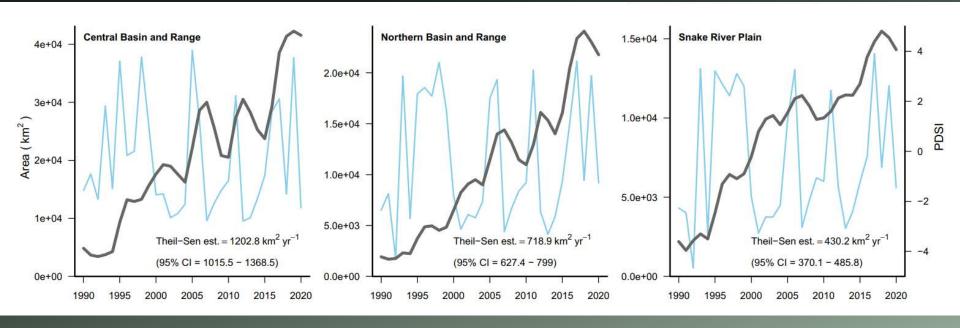


The Annual Grass Problem



- Yearly increase in Great Basin from 1990 2020 = 586,387ac
- IAGs impact 19.8% of Great Basin rangeland

The Wildfire Problem

- Increase in prevalence of wildfire in the West
 - Area burned = ↑ 2.8-fold
 - Number of fires = 1.6-fold
 - Fire size = 1.8-fold
- Federal suppression budget increased 600% in past
 3 decades (currently \$2.4B/yr)

The Conifer Problem

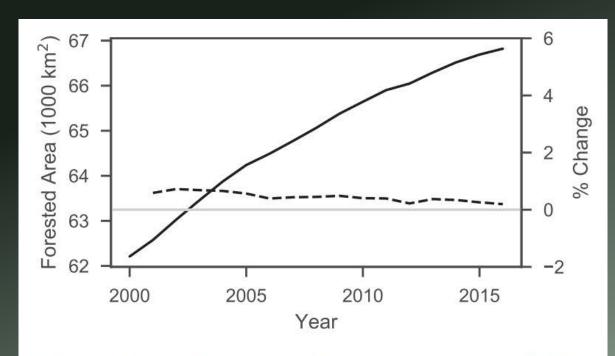
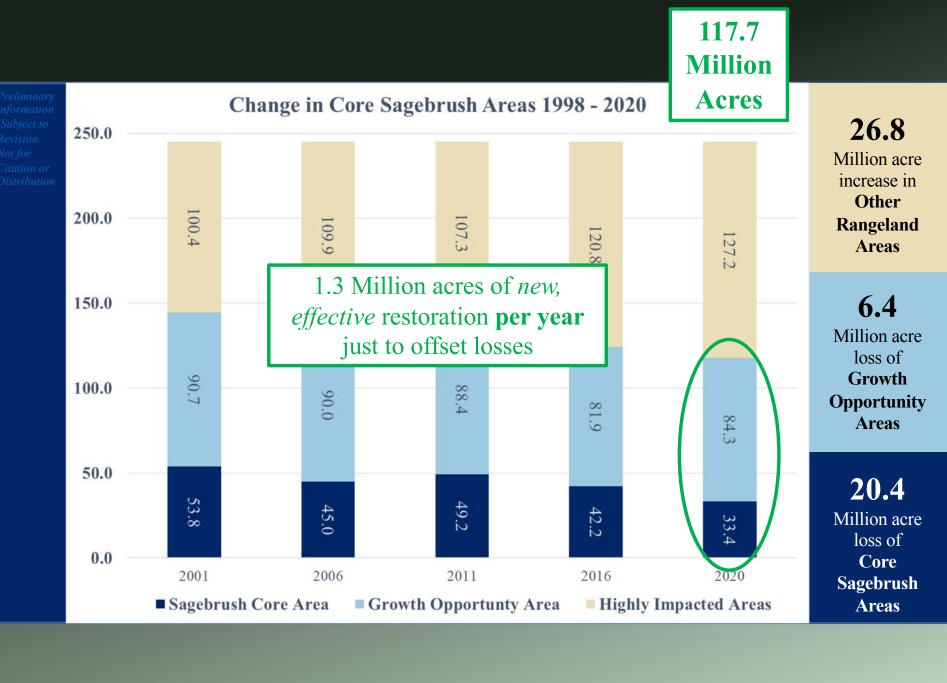


Figure 8. Forested area (i.e. \geq 10% cover) over time (solid line, left axis) and the percent annual change (dashed black line, right axis).

Yearly increase in Intermountain West from 2000 – 2016 = 1,138,670ac



How do we get there?

- Annual grass zone
 - Sufficient PC resistance to annuals and resilience to fire

- Conifer zone
 - Direct intervention to limit expansion and reclaim impacted habitats

How do we get there?

- Annual grass zone
 - Sufficient PC resistance to annuals and resilience to fire
 - Annual grass treatments
 - Perennial restoration
 - Fuels and fire management treatments
- Conifer zone
 - Direct intervention
 - Mechanical treatments
 - Fire

How do we get there?

- Annual grass zone
 - Sufficient PC resistance to annuals and resilience to fire
 - ✓ Annual grass treatments
 - ✓ Perennial grass restoration
 - ✓ Fuels and fire management treatments
- Conifer zone
 - Direct intervention
 - ✓ Mechanical treatments
 - ✓ Fire

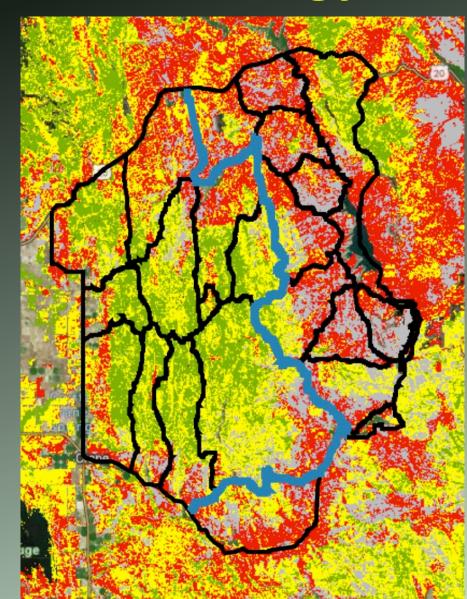






The spatial context of strategy

 The geography of ecological condition



The mathematics of strategy

- Annual grass zone
 - Prevention = core areas with relatively low R&R
 - Restoration = core areas/GOA with relatively highR&R

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Acres applied

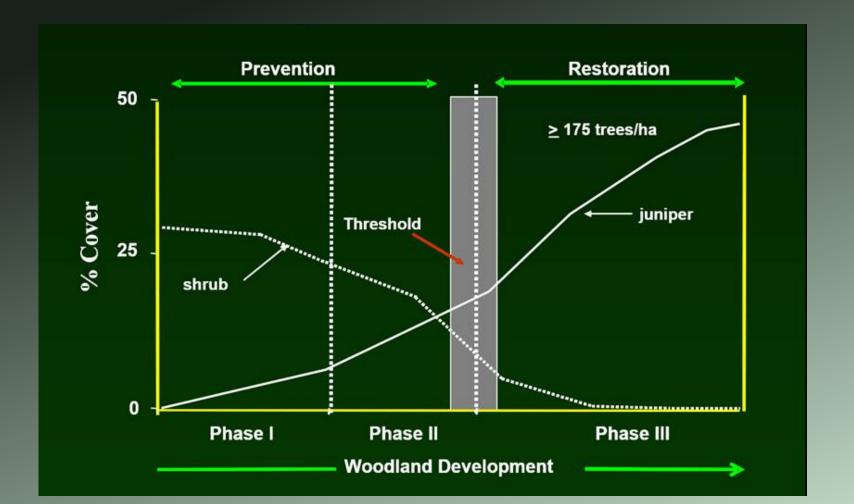
Acres of effective conservation = X

Prob. of success (0 to 1)
```

Avoid the action bias!

The efficiency of strategy

Conifer zone

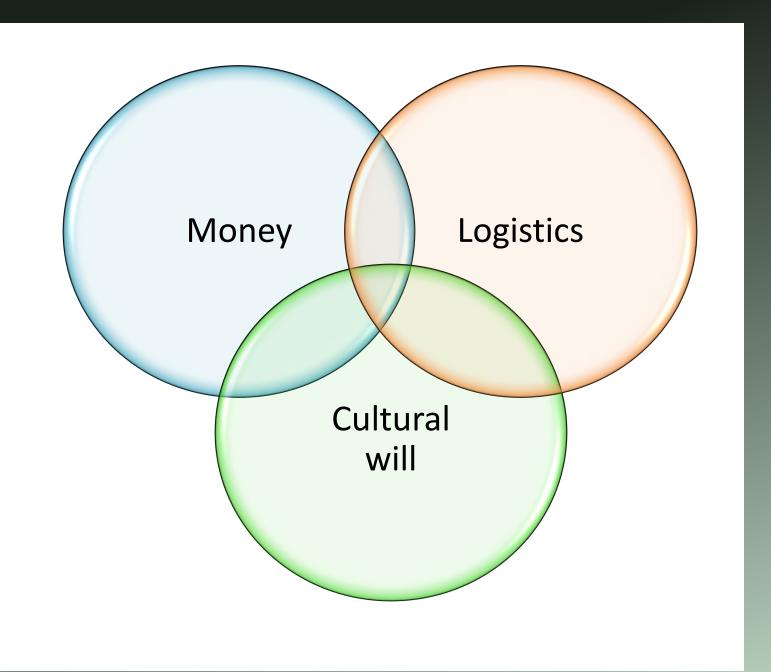


Strategic management is hierarchical Open decision space Closed decision space

What's the good news?

- Rangeland analysis platform
- Sagebrush conservation design
- Oregon Geographic Strategy
- Tech-based tools

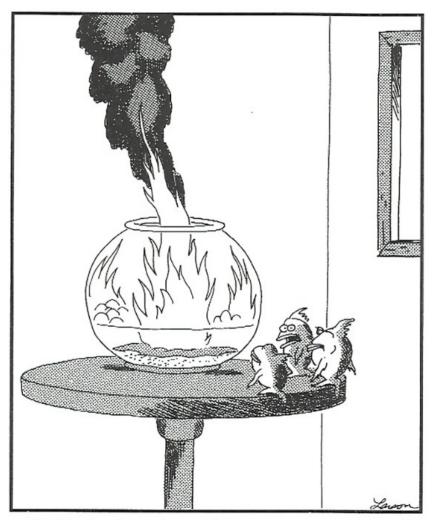




What does strategic success look like?

1) When we as managers pause at the strategic level before jumping to tactics and actions on the ground

2) When we change our definition of success from the project level to a strategic vision and scale reflective of the largest extent of our management area of influence



"Well, thank God we all made it out in time. ...
'Course, now we're equally screwed."