

Rogue Summer Steelhead SMU

ESA Designation:
Not Warranted 2001

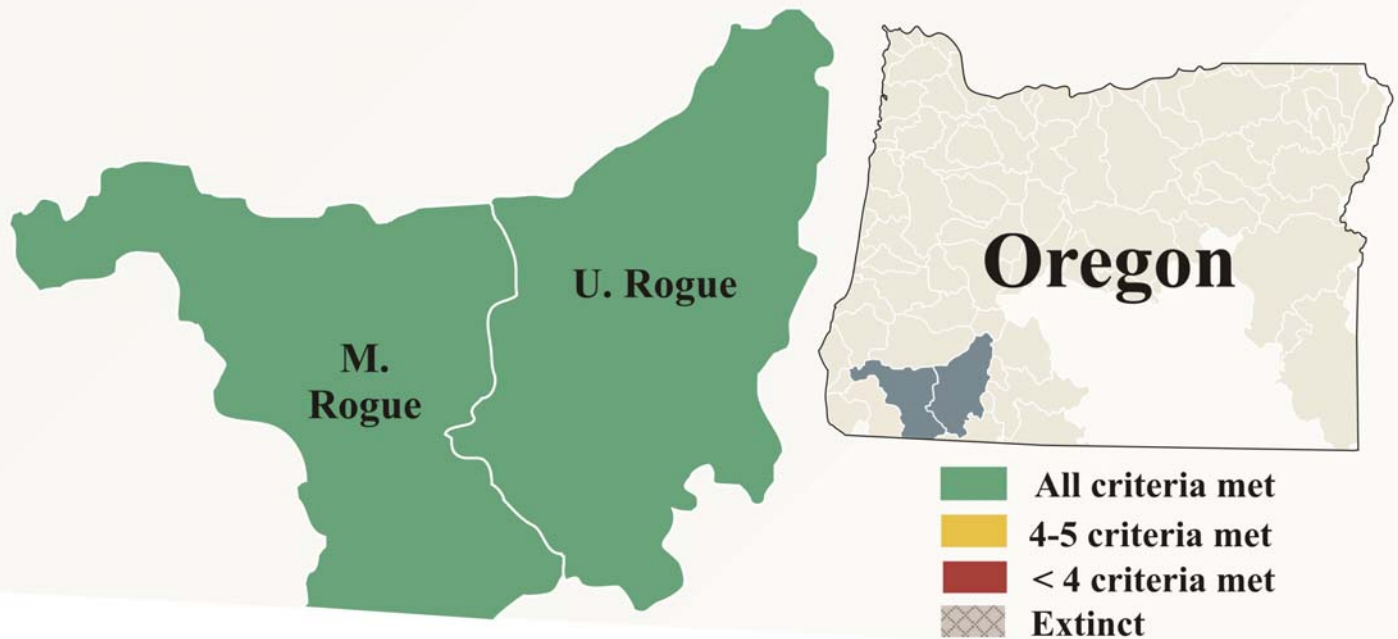
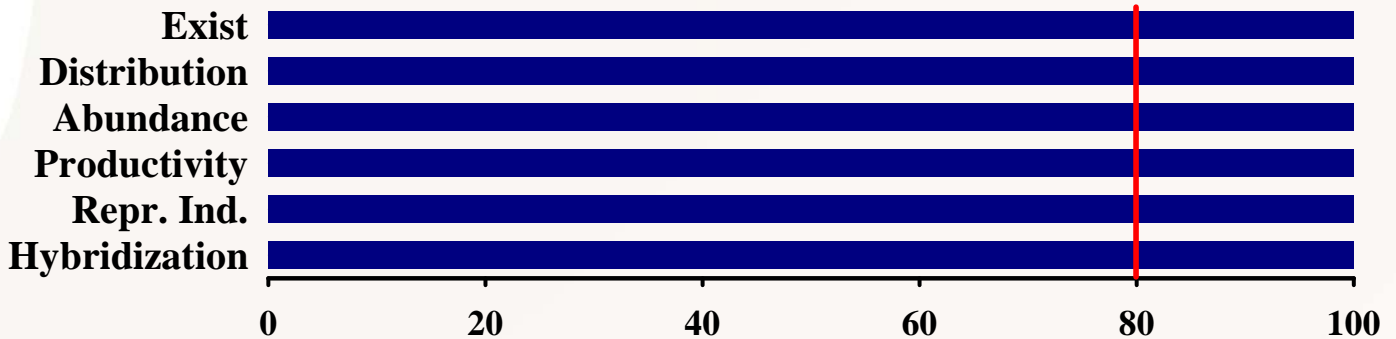
State Status:
Vulnerable

Interim Assessment:
Not at Risk

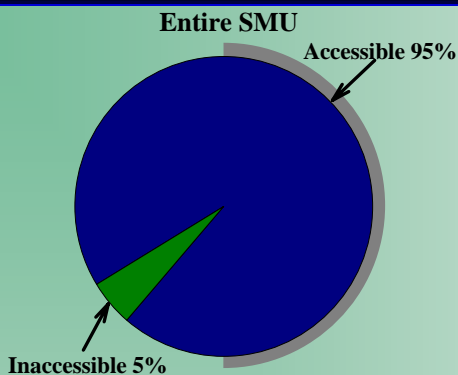
This SMU included Middle and Upper Rogue populations. Monitoring data for the Middle Rogue includes spawner surveys in Kane and Foots creeks. Abundance in the Upper Rogue is monitored by passage at Gold Ray Dam. The near-term sustainability of the SMU is not at risk because both populations met each of the interim criteria.

Population	Exist	Dist.	Abund.	Prod.	Ind.	Hybrid
Middle Rogue	Pass	Pass *	Pass	Pass	Pass *	Pass
Upper Rogue	Pass	Pass *	Pass	Pass	Pass	Pass

Percent of Existing Populations Meeting Criteria

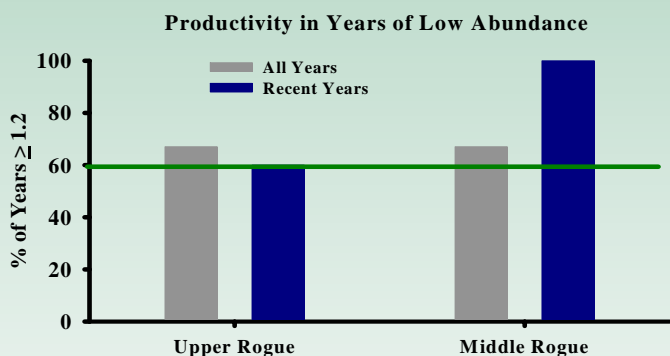


Distribution – Pass



- Each of the two populations maintains access to at least 50% of their historical habitat. Frequent spawning escapements above full seeding ensure that most of the available habitat is in use.
- Construction of Lost Creek Dam and Applegate Dam eliminated 5% historical steelhead habitat for the population.

Productivity - Pass

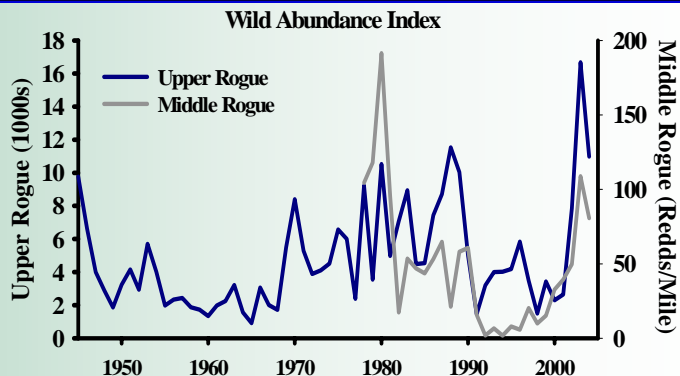


- Both populations exceeded 1.2 recruits per spawner in at least three of the last five years when returns were below the 30 year average.
- Both populations have shown productivity above the interim criterion in years of low abundance over the long term.
- The Middle Rogue has been above 2.0 recruits per spawner over the past eight years.

Additional Information

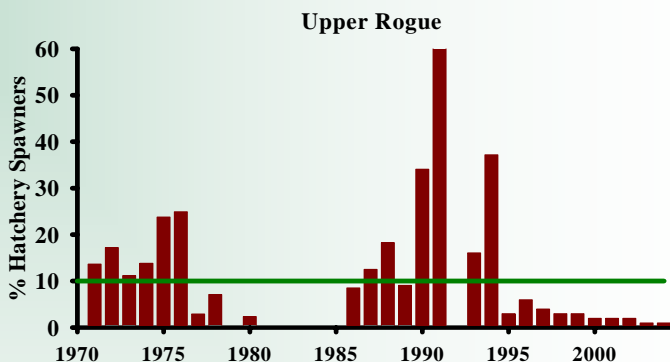
- The Rogue basin is home to a unique steelhead life history pattern involving a false spawning run known as “half-pounders.” These fish migrate to the ocean as smolts, return temporarily to freshwater, then go back to the ocean before returning again in subsequent years to spawn. Returns of “half-pounders” were not included in this assessment since they do not spawn upon initial return.

Abundance - Pass



- Both populations passed the abundance criterion in each of the last five years.
- Returns to the Upper Rogue have been higher in the last 2 years than in any year since 1943.
- Returns to Kane and Foots Creek in the Middle Rogue have been steadily increasing since the early 1990s.

Independence - Pass



- Hatchery fractions on the spawning grounds have been low for both populations over the past decade.
- For instance, hatchery fractions in the Upper Rogue escapement have been 7% or less since 1995.