

Rogue Winter Steelhead SMU

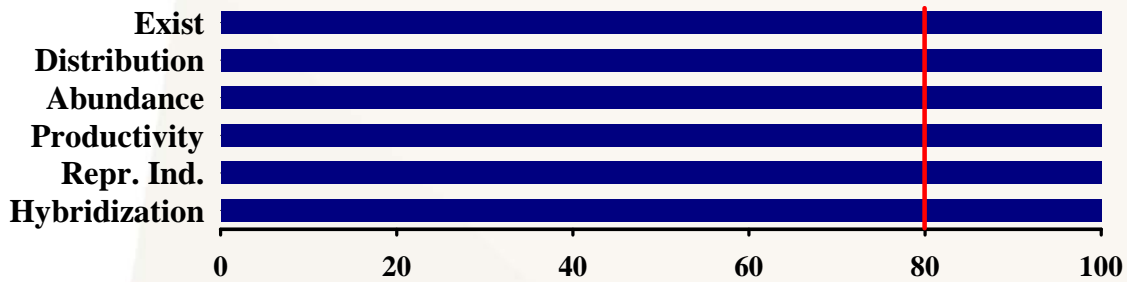
ESA Designation:
Not Warranted 2001

State Status:
Vulnerable

NFCP Interim Assessment:
Not at Risk

This SMU includes eight populations within coastal basins of the Klamath Mountains Province in southwestern Oregon. Each of the interim criteria was passed so the near-term sustainability of the SMU is not at risk. Suitable data and other information on populations in this SMU provide a moderate level of confidence in the assessment of the interim criteria. Limited data and inferences from other information for populations in this SMU provide a qualified level of confidence in the assessment of interim criteria.

Percent of Existing Populations Meeting Criteria

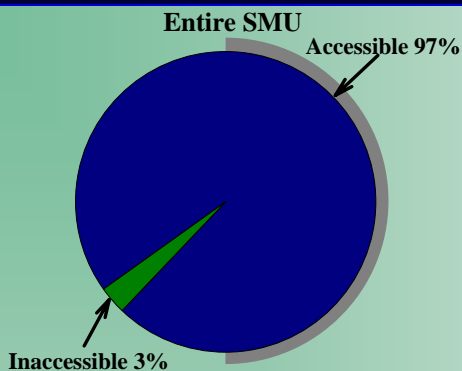


Population	Exist	Dist.	Abund.	Prod.	Ind.	Hybrid
Winchuck	Pass	Pass*	Pass*	Pass*	Pass*	Pass
Chetco	Pass	Pass*	Pass*	Pass*	Pass*	Pass
Pistol	Pass	Pass*	Pass*	Pass*	Pass*	Pass
Coastal Rogue	Pass	Pass*	Pass*	Pass*	Pass*	Pass
Illinois	Pass	Pass*	Pass*	Pass*	Pass*	Pass
Mainstem Rogue	Pass	Pass*	Pass	Pass	Pass	Pass
Applegate	Pass	Pass*	Pass	Pass*	Pass*	Pass
Elk	Pass	Pass*	Pass*	Pass*	Pass*	Pass

* Inferred

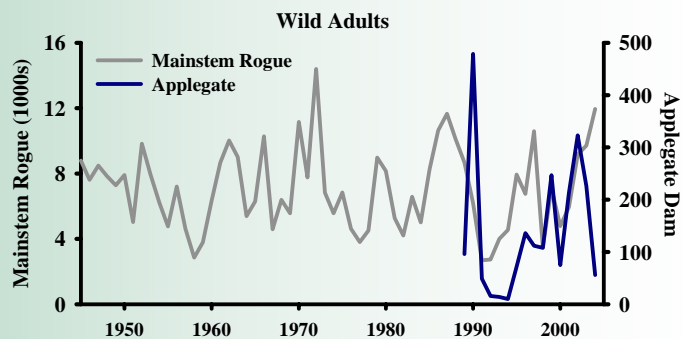


Distribution – Pass



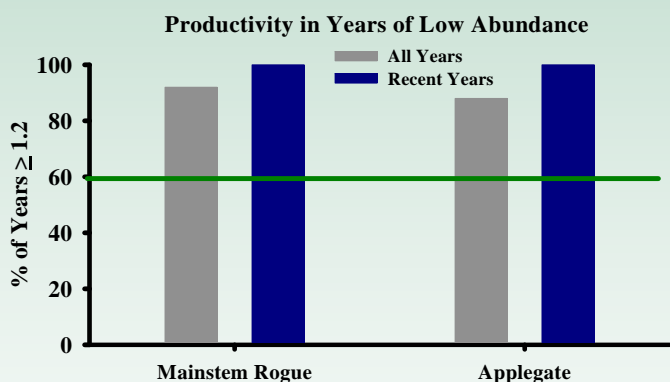
- Each population in the SMU is able to access at least 50% of their historical habitat.
- Construction of Applegate Dam blocked roughly 32 miles of habitat in the Applegate River leaving 87% of the historic habitat accessible.
- Construction of Lost Creek Dam in the mainstem Rogue eliminated access to roughly 4% of winter steelhead habitat for the mainstem Rogue population.

Abundance - Pass



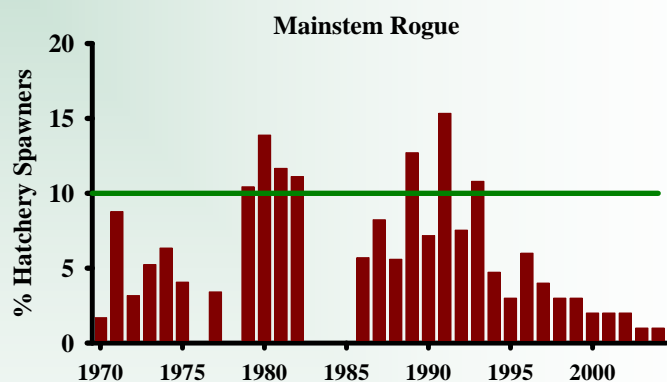
- Both of the populations with abundance data passed the criterion. These populations were assumed to be representative of the SMU. Spawning surveys in 2003 and 2004 in the other populations, and juvenile abundance data from the SMU support this assumption.
- Returns to the Mainstem Rogue have rebounded from record low numbers in the early 1990s. Recent numbers are among the highest since the 1940s.
- Applegate numbers have been above average in three of the last four years.

Productivity - Pass



- Recruit per spawner estimates were available for the mainstem Rogue and Applegate, and both of these populations passed.
- Data were not available for other populations, so the Rogue and Applegate were assumed to be representative of the SMU.
- Low spawner numbers in the late 1980s and early 1990s produced high rates of return.

Independence - Pass



- Monitoring at Elk Creek since 1995 has shown that hatchery fractions in the mainstem Rogue are below 10%.
- Recent data from the Applegate indicated that the presence of naturally spawning hatchery fish was below 10%.
- No hatchery fish are released in the Winchuck, Pistol, Illinois, or Elk rivers and out-of-basin straying is uncommon.
- Hatchery spawners in the Chetco are likely below 10% based on spawning surveys in 2004.