

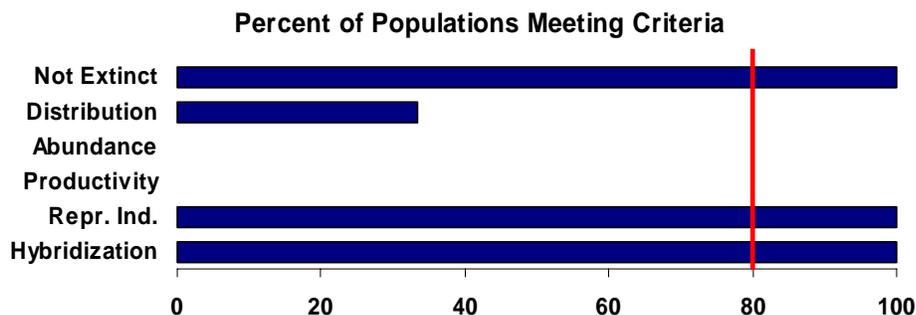
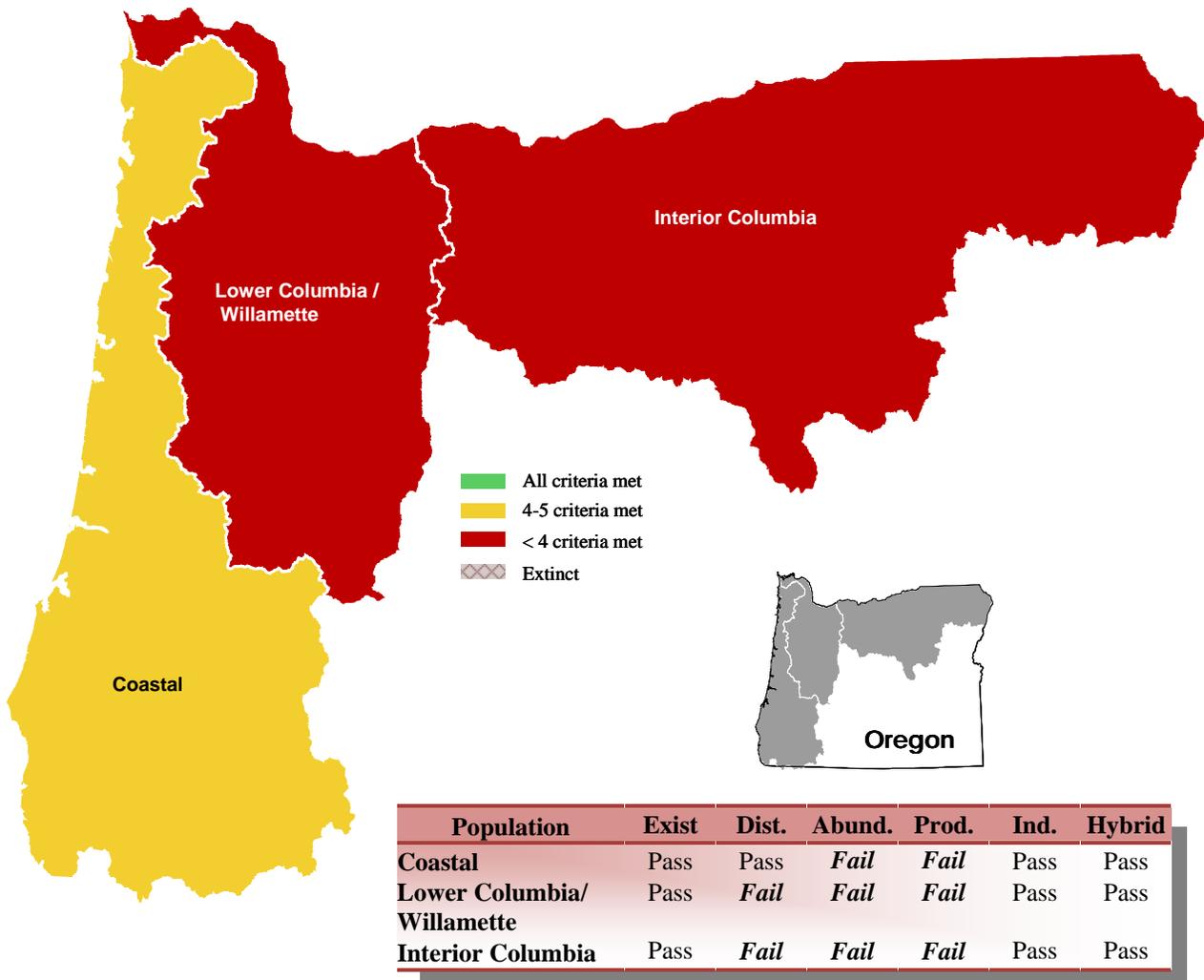
# Oregon Western Brook Lamprey SMU

ESA Designation:  
*None*

State Status:  
*None*

Interim Assessment:  
*At Risk*

For purposes of this report, the Oregon Western Brook Lamprey SMU is considered to include three populations in Oregon: coastal, lower Columbia/Willamette, and interior Columbia. Only three of six interim risk criteria were met for all three populations, thereby classifying this SMU as “at risk”. Western brook lampreys are widely distributed throughout Oregon, but both distribution and abundance have likely decreased in recent years. Habitat loss and pollution have contributed to the decline of western brook lamprey. Little is known about life history characteristics of western brook lamprey in Oregon, and many critical uncertainties regarding western brook lamprey status, biology, and requirements remain.



### ***Distribution - Fail***

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- Western brook lampreys remain present throughout many coastal streams.
- Distribution has likely been reduced by habitat loss, pollution, and passage barriers such as road culverts.
- Road culverts have precluded distribution in the upper reaches of many basins without dams.

### ***Productivity – Fail***

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- No productivity data are available to adequately assess the productivity criterion, but declining trends in abundance indicate that productivity is likely limited.
- Predation by exotic predators has been cited as contributing to the decline of western brook lampreys, but available information indicates that predation by exotic fish predators may be lower than predation by native predators.

### ***Hybridization - Pass***

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- Hybridization is not an issue for western brook lamprey.

### ***Abundance - Fail***

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- No historic or current abundance information is available; however, it is likely that abundance has decreased, especially for the lower Columbia/Willamette and interior Columbia populations.

### ***Independence - Pass***

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- All western brook lampreys are naturally produced.