



Status of Steelhead in Oregon

Pacific Coast Steelhead Management Meeting

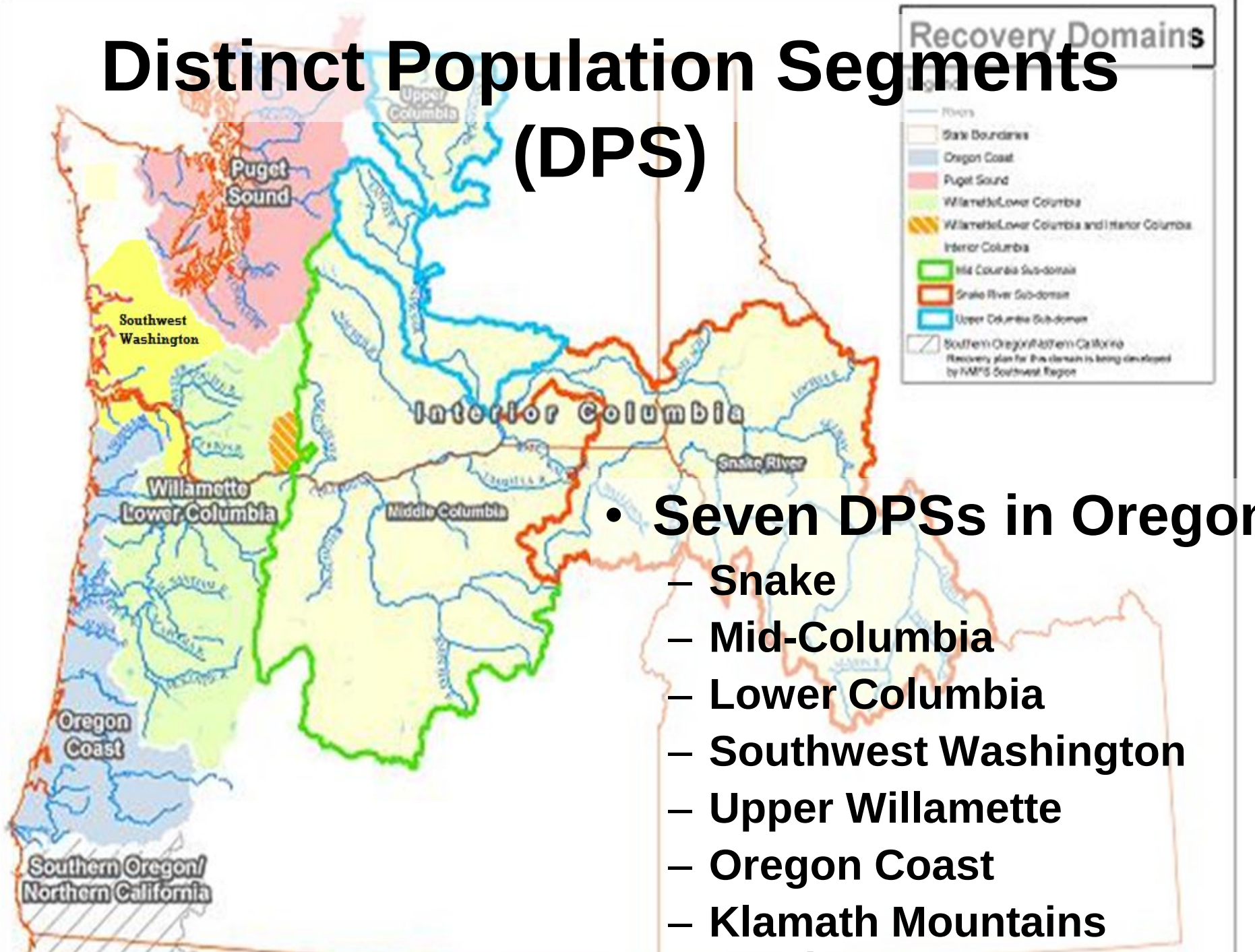
Kevin Goodson

Oregon Department of Fish and Wildlife

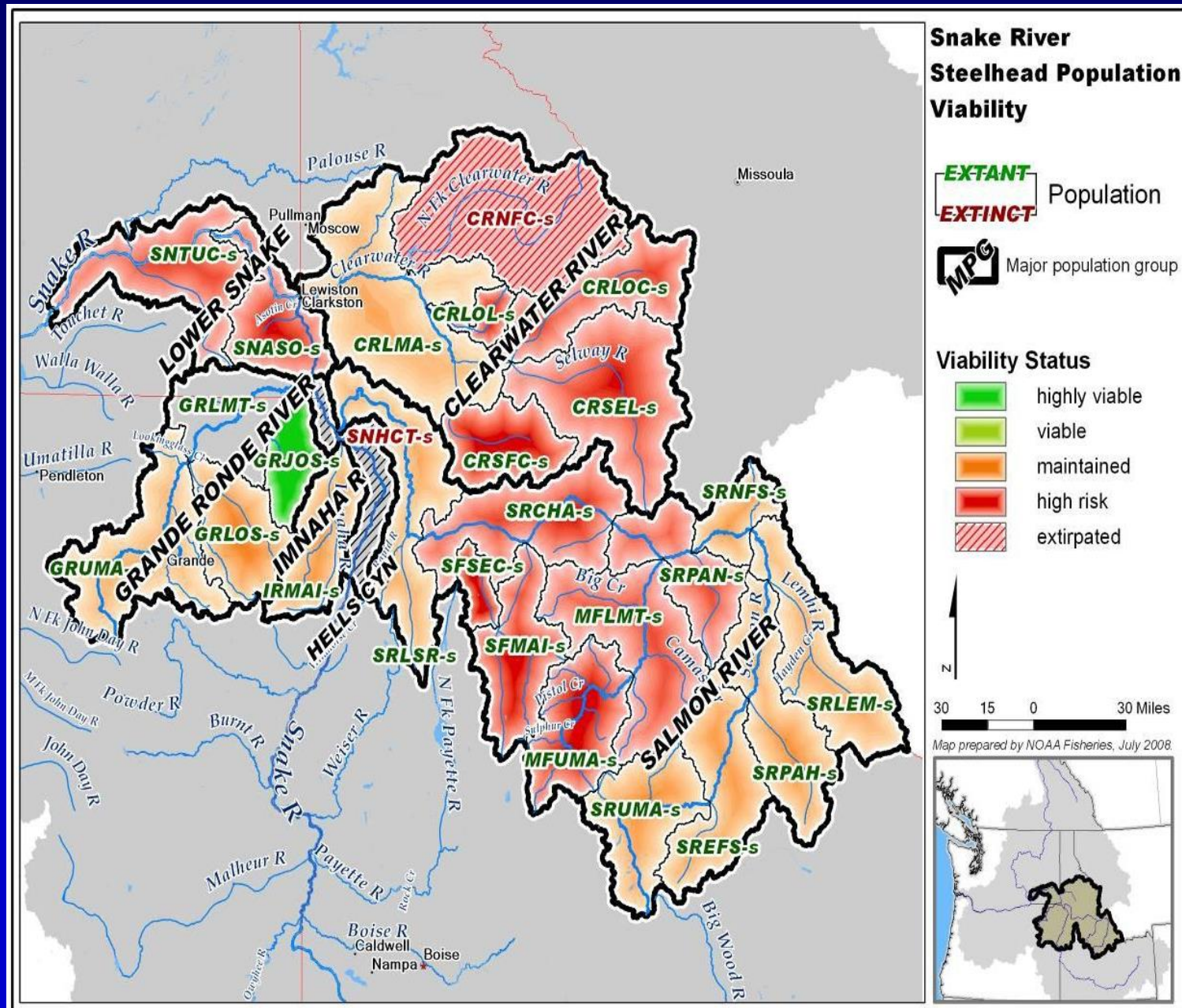
March 20, 2018



Distinct Population Segments (DPS)



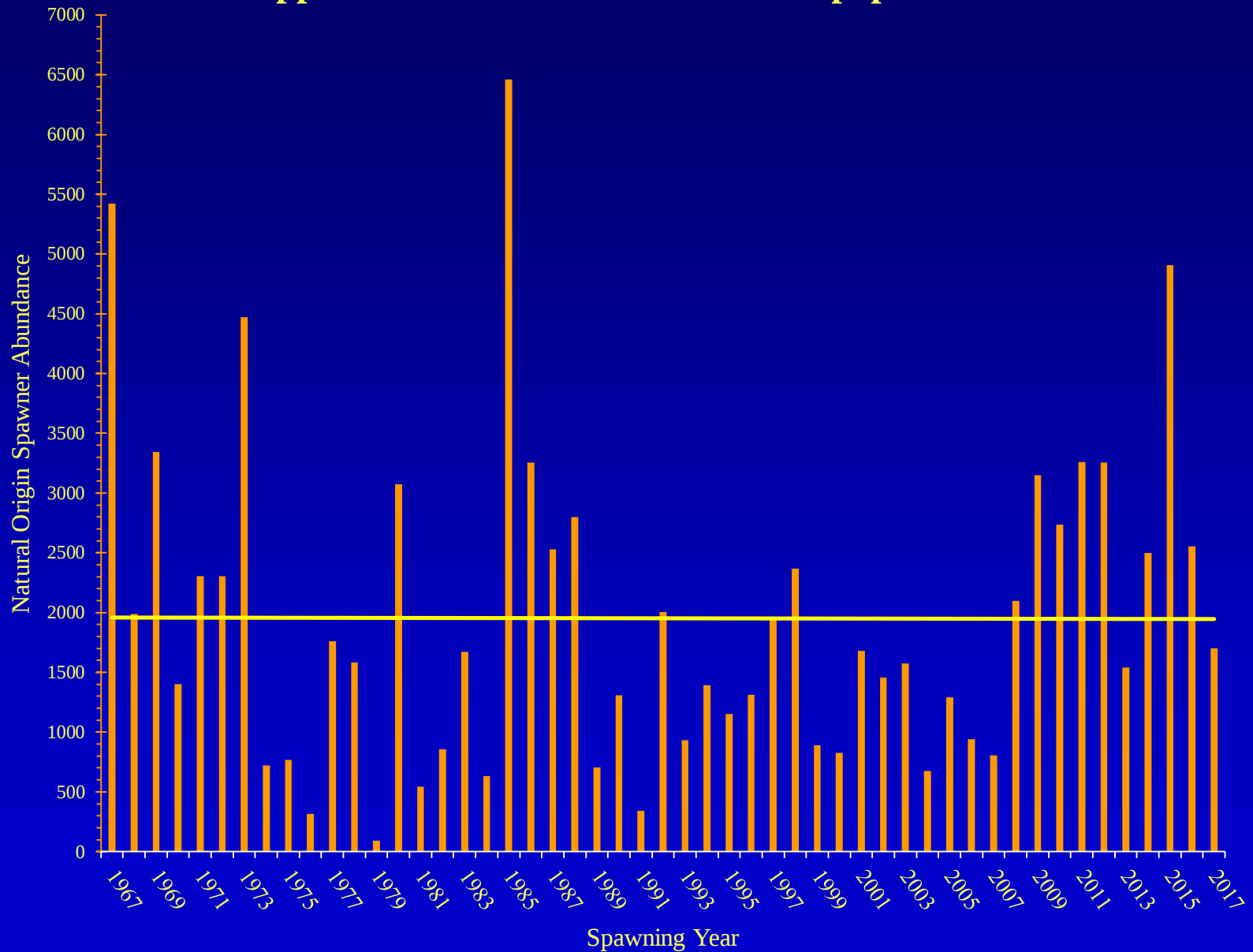
Snake Steelhead Current Status



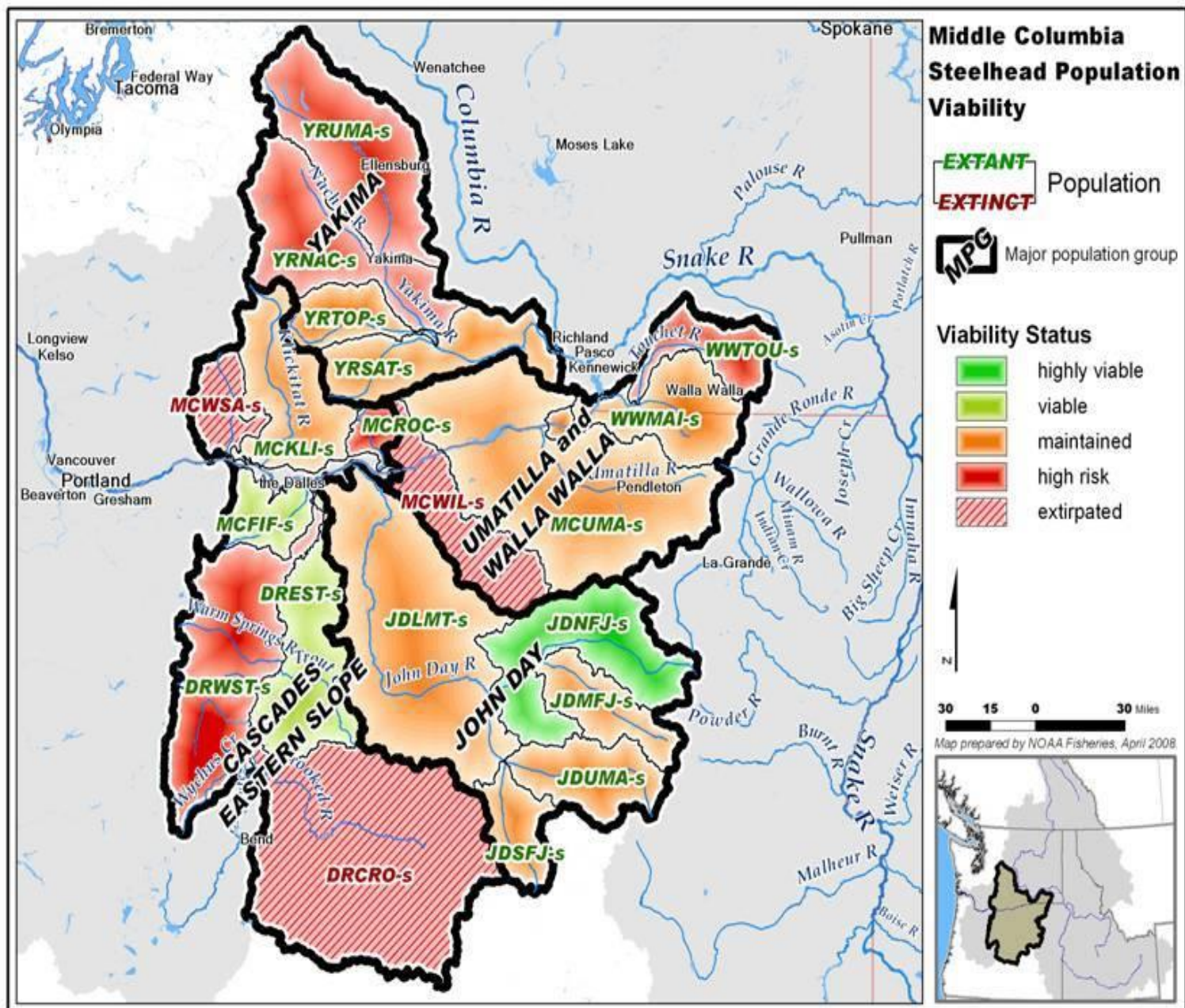
Meadow Creek, Grande Ronde



Natural Origin Spawner Abundance for the Grande Ronde Upper Mainstem summer steelhead population



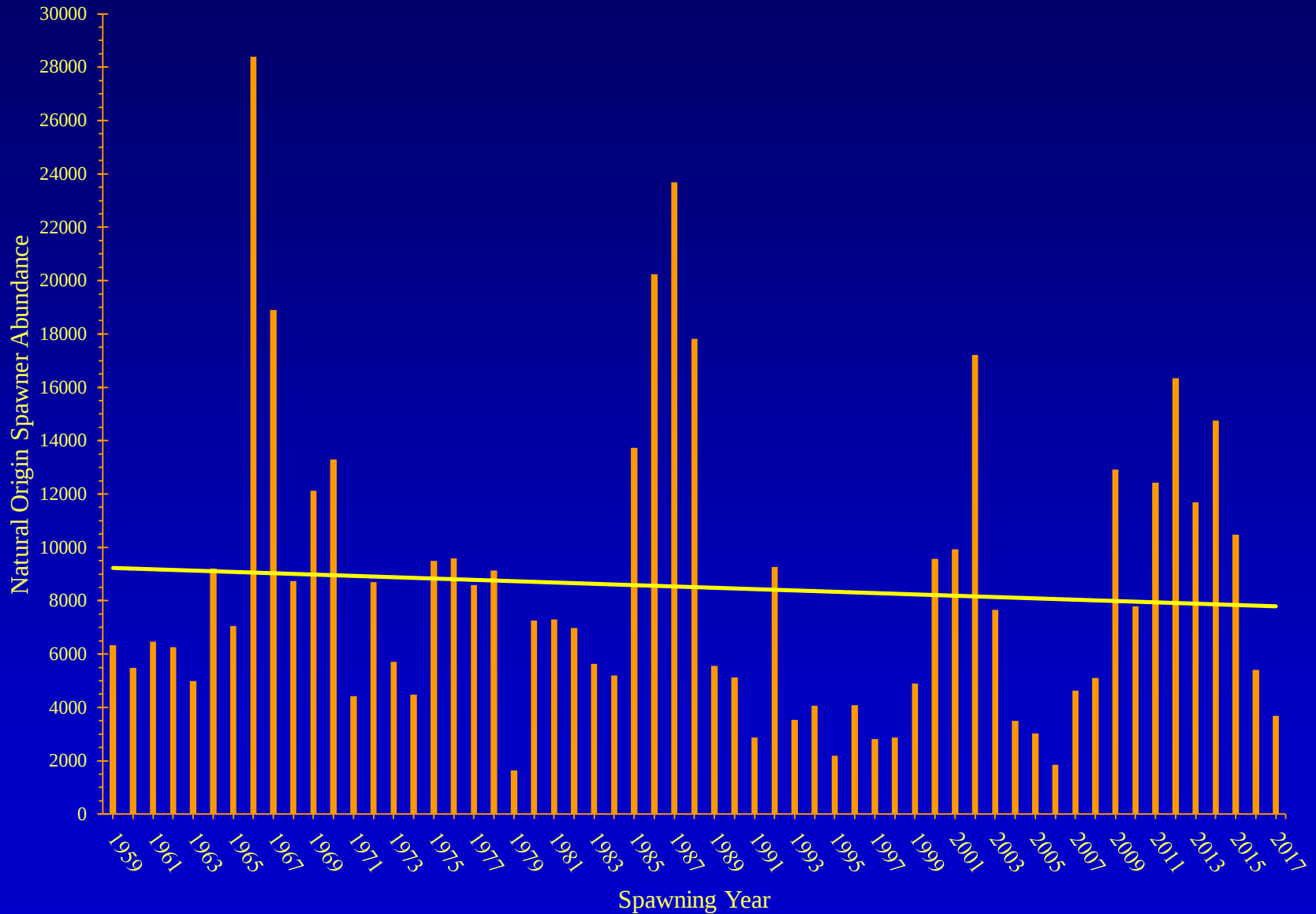
Mid-C Steelhead Current Status



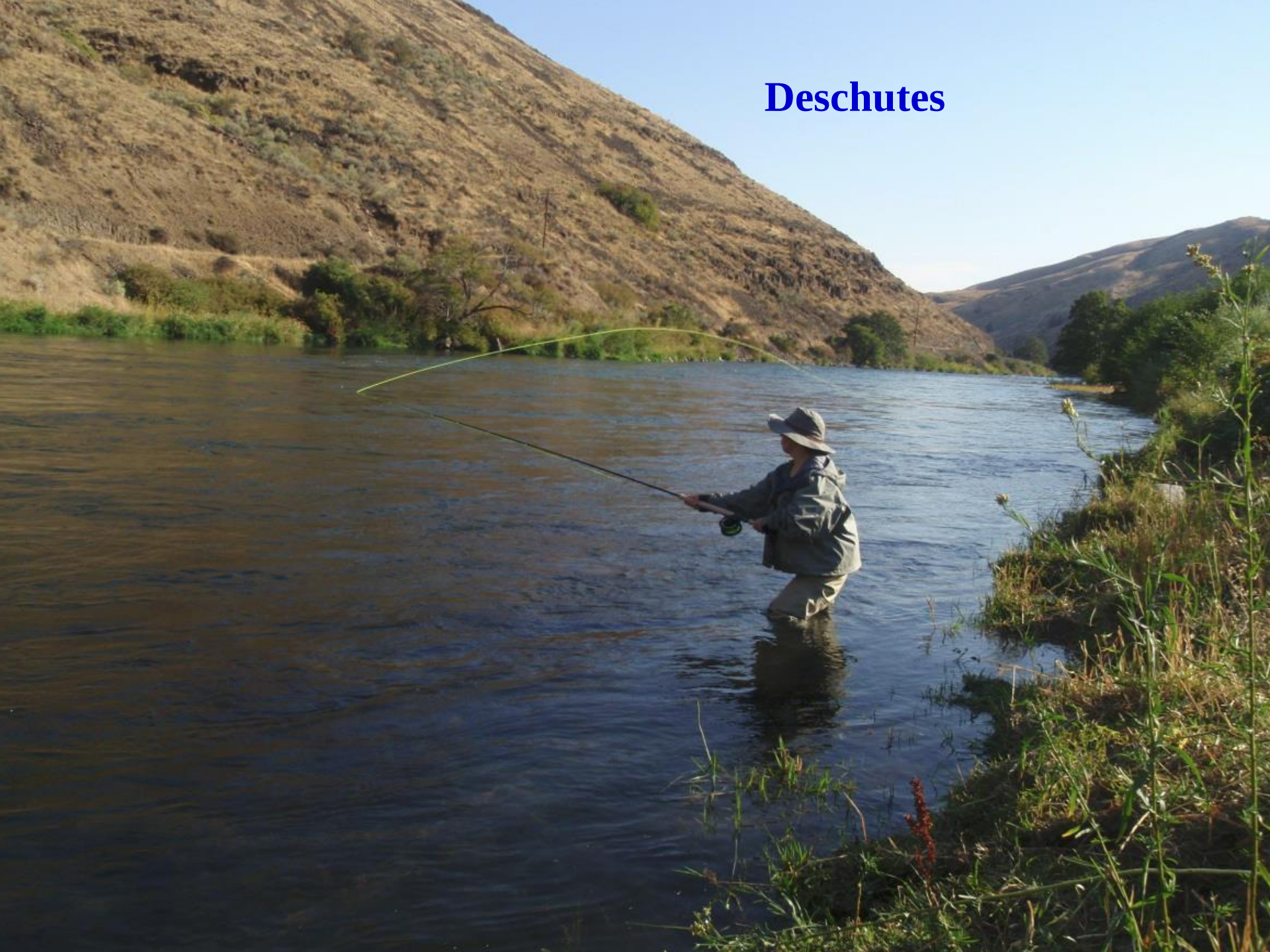
John Day



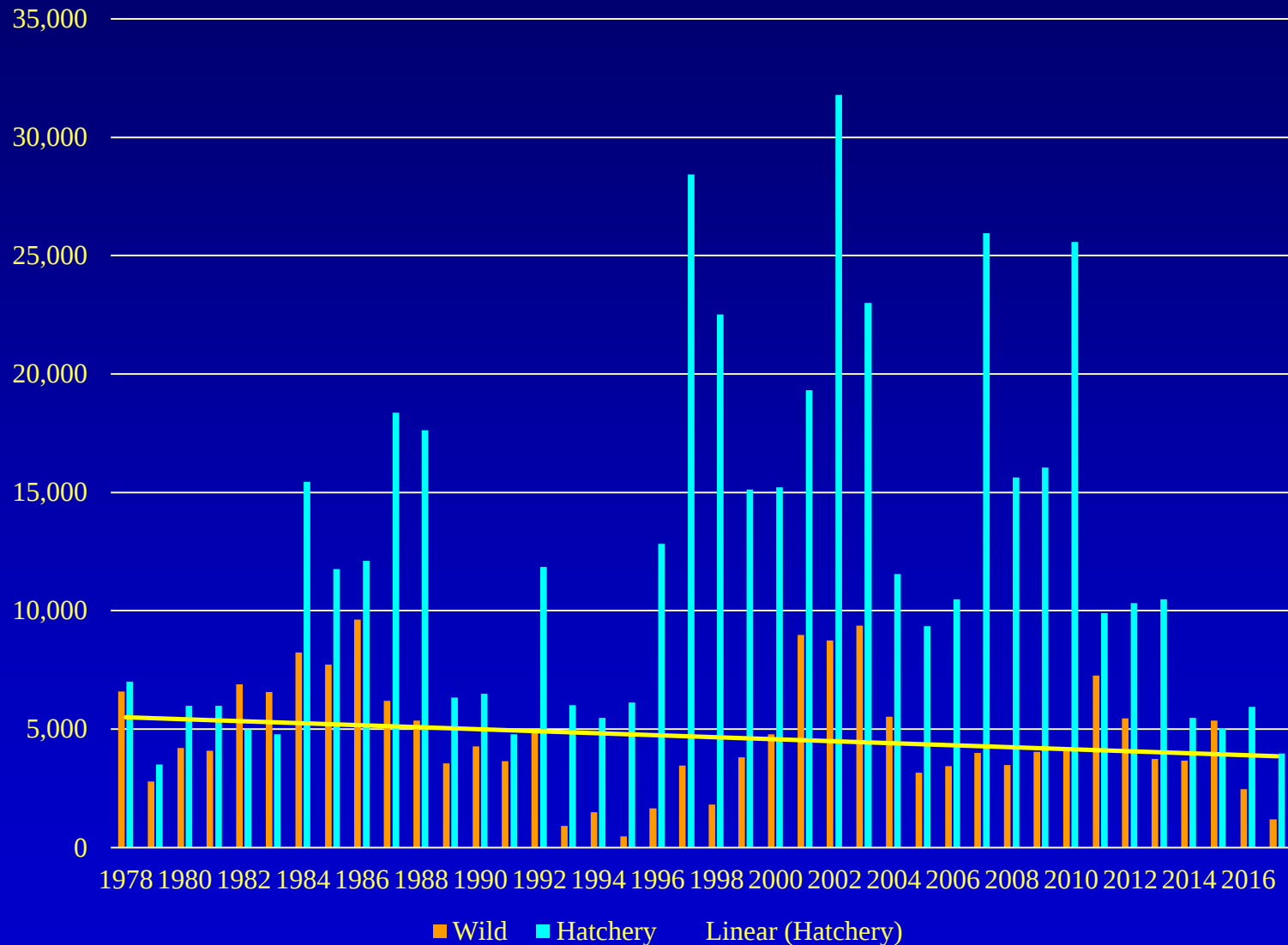
Natural Origin Spawner Abundance for the John Day Summer Steelhead Major Population Group



Deschutes



Deschutes Wild and Hatchery STS Escapement



Lower Columbia DPS

Current Status

Winter Steelhead



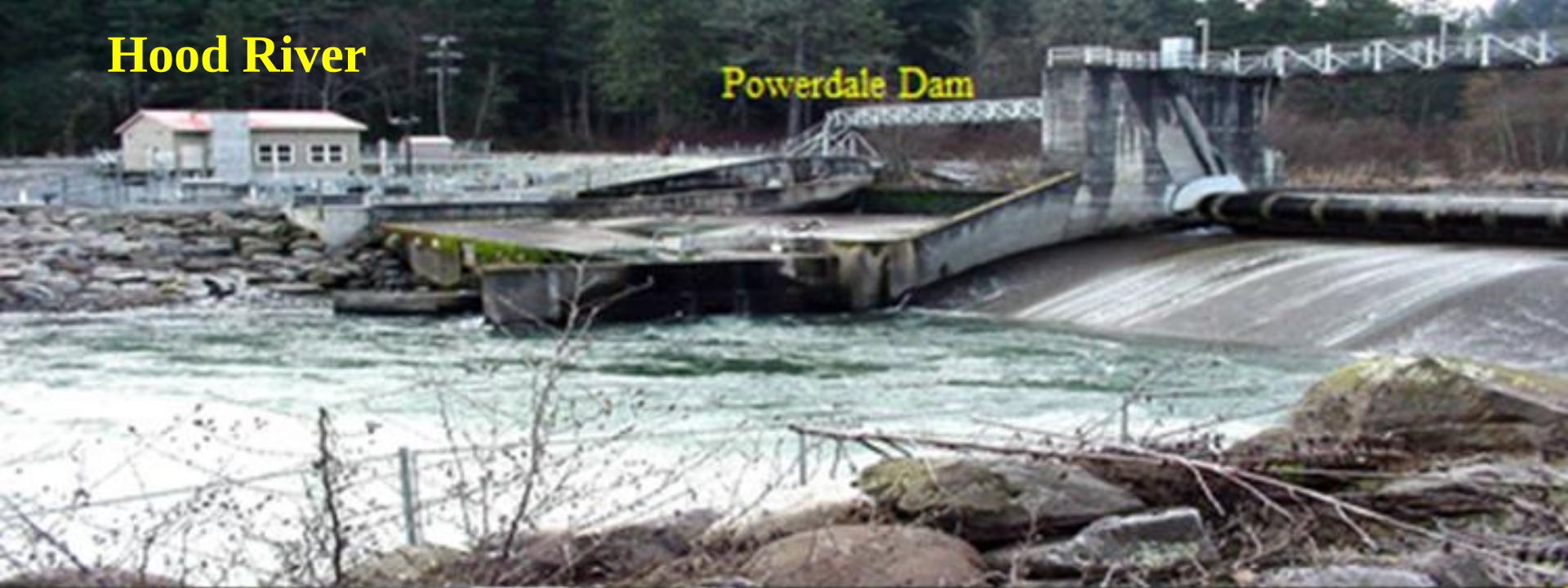
RISK



Summer Steelhead



Hood River

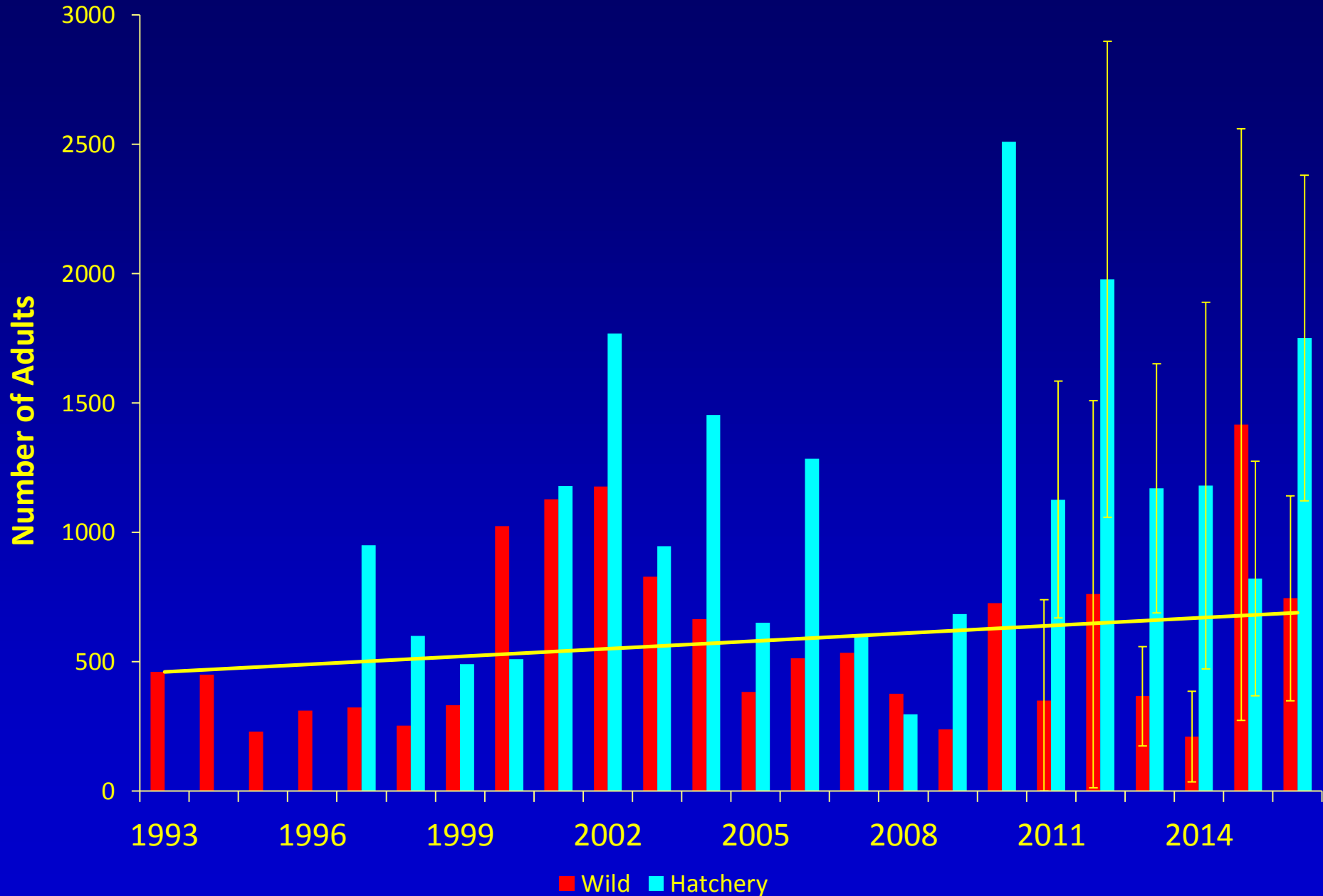


Powerdale Dam

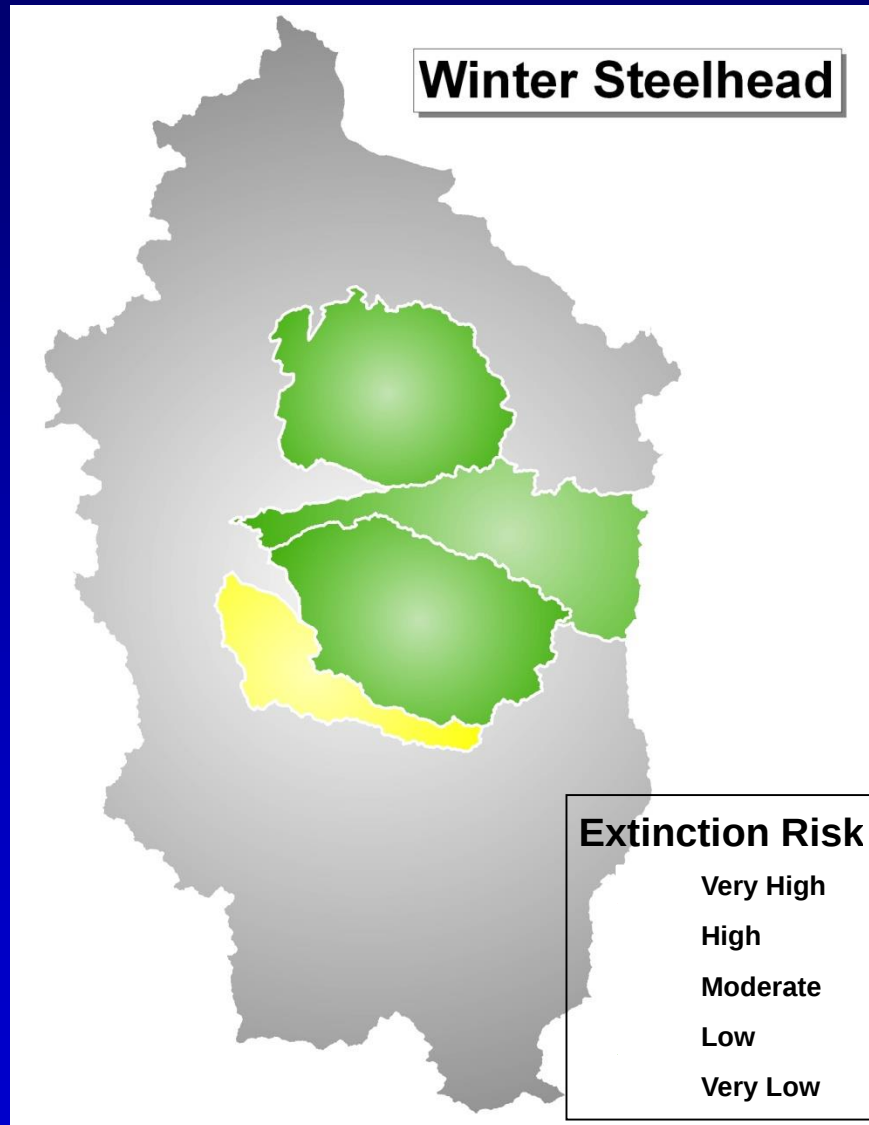


East Fork Weir

Hood River Winter Steelhead



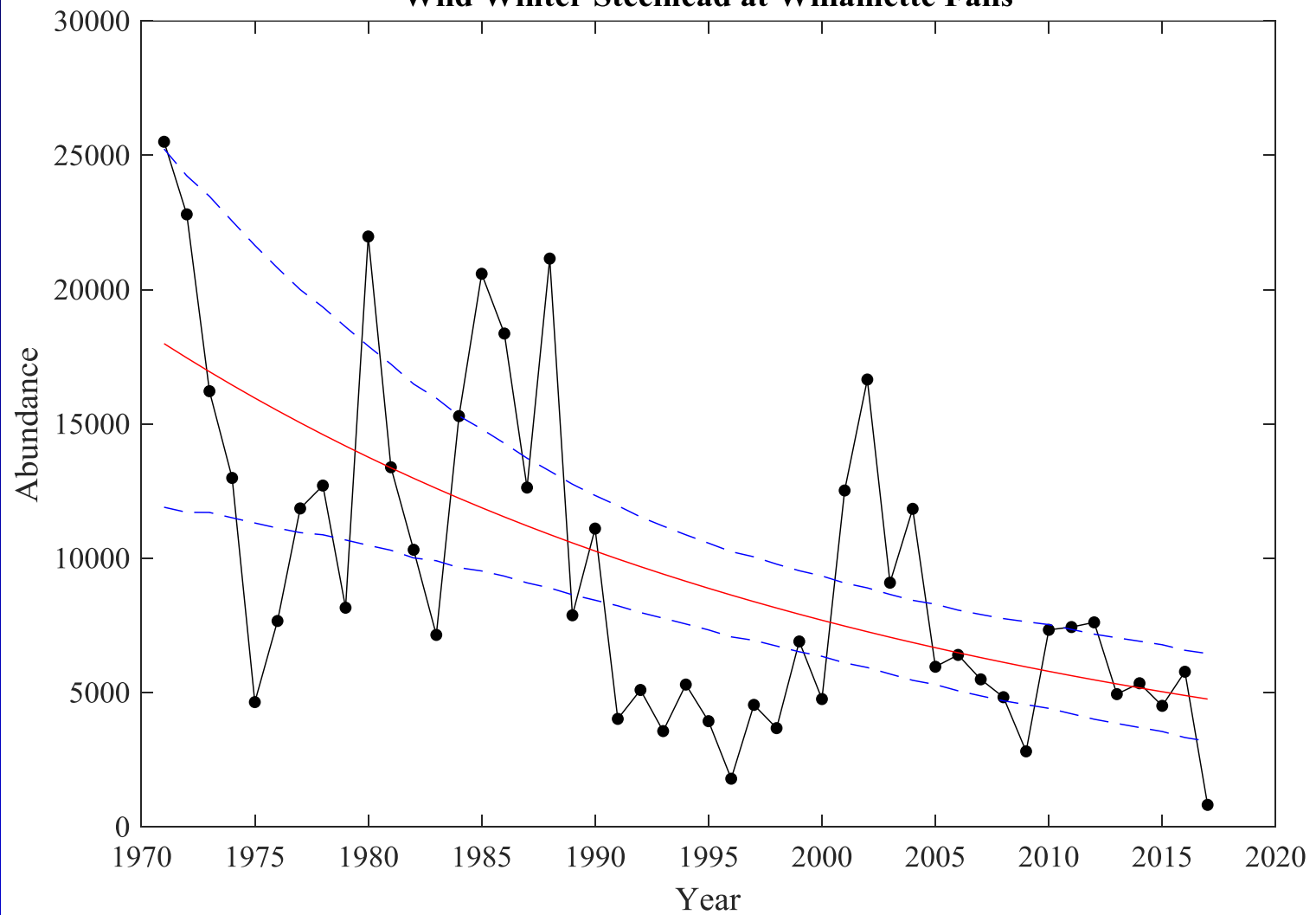
Upper Willamette DPS



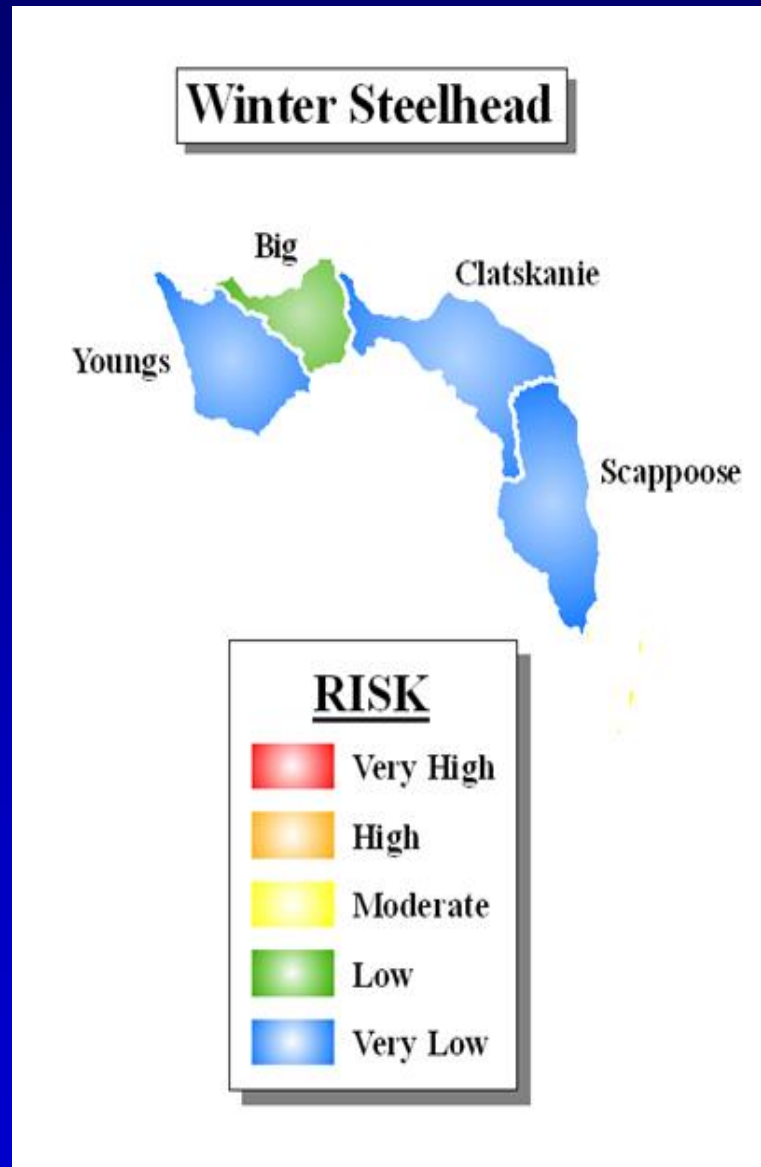
Willamette Falls



Wild Winter Steelhead at Willamette Falls



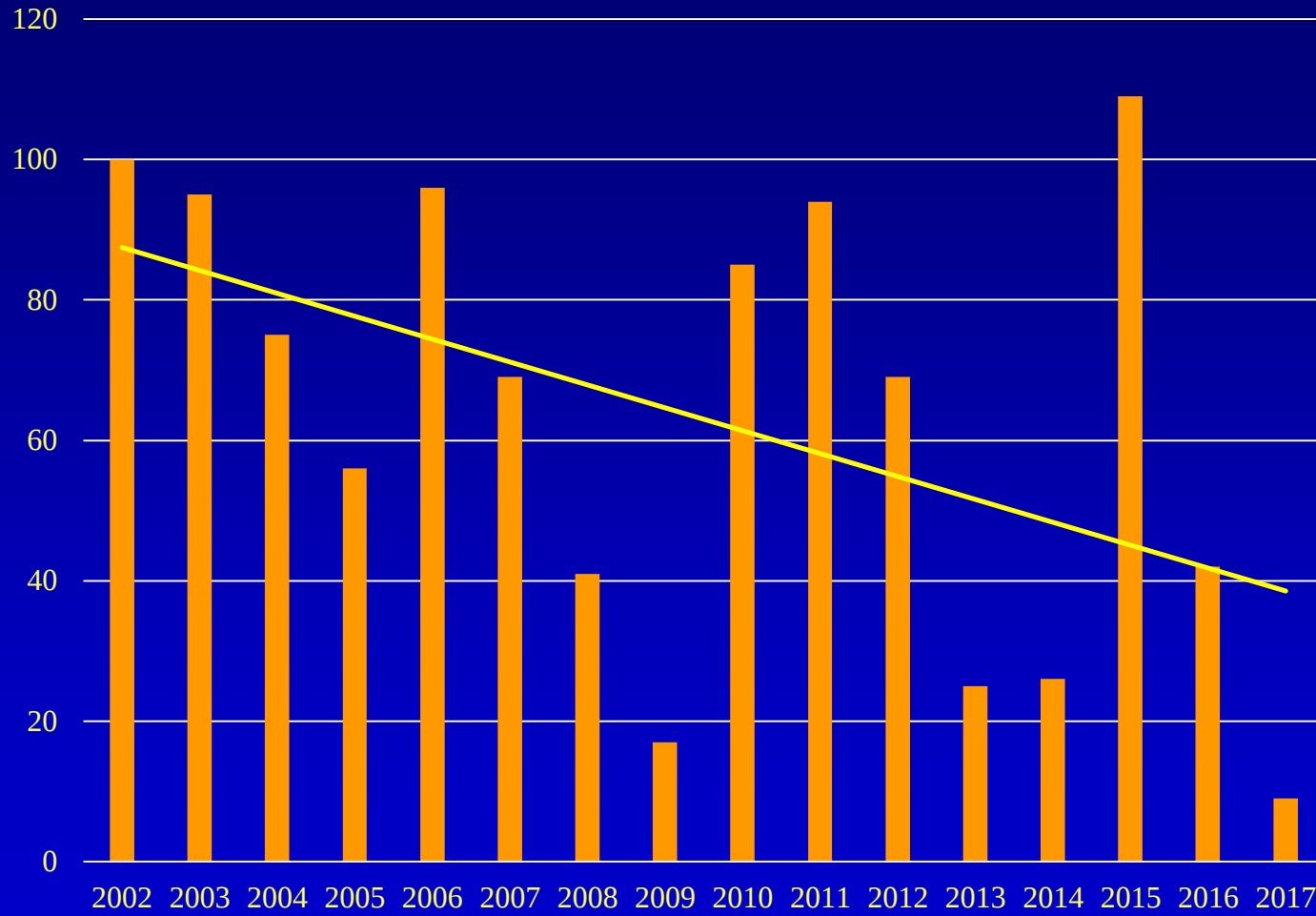
Southwest Washington DPS



Big Creek

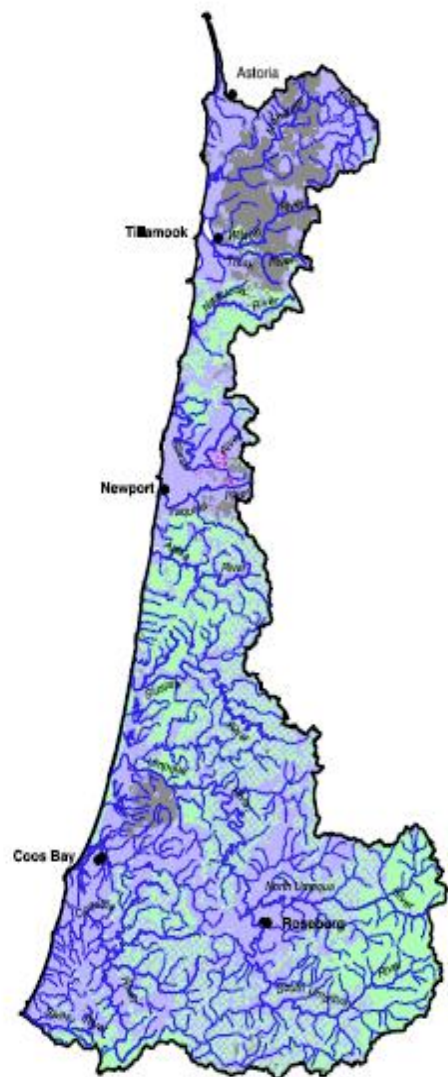
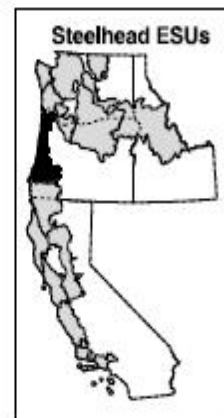


Wild Escapement at Big Creek Weir





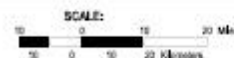
OREGON COAST STEELHEAD DPS



Land Ownership

- Federal (35%)
- Private (56%)
- State/Local (8%)
- Tribal (less than 1%)

United States Department of Commerce
National Oceanic & Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
HABITAT CONSERVATION DIVISION
525 N.E. Oregon St., Suite 410
Portland, OR 97232
Tel: (503) 231-4223

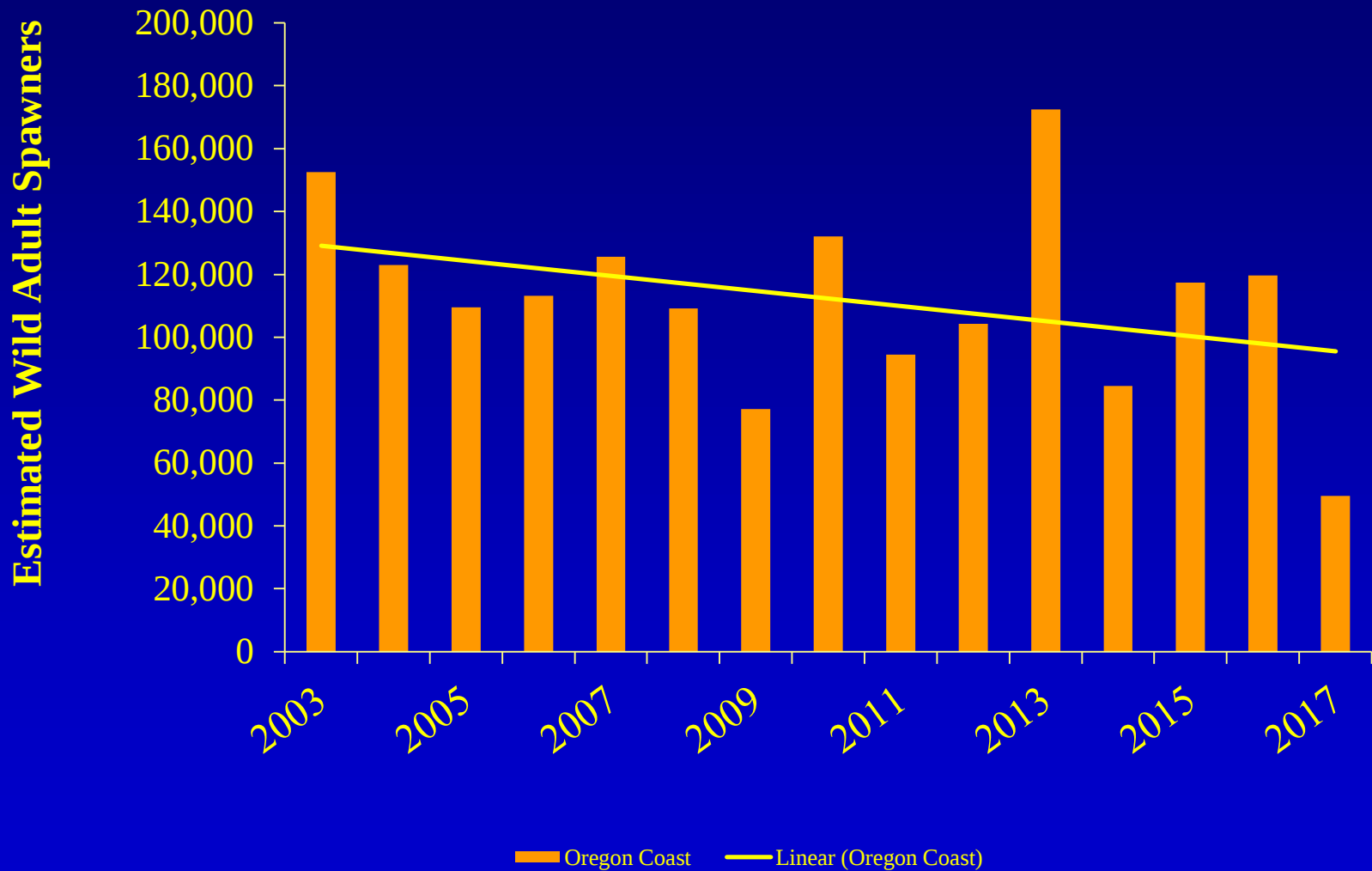


MAP DATE 2/1/99
CREATED BY G.A.
HCCB/RODAR/STON/STEL

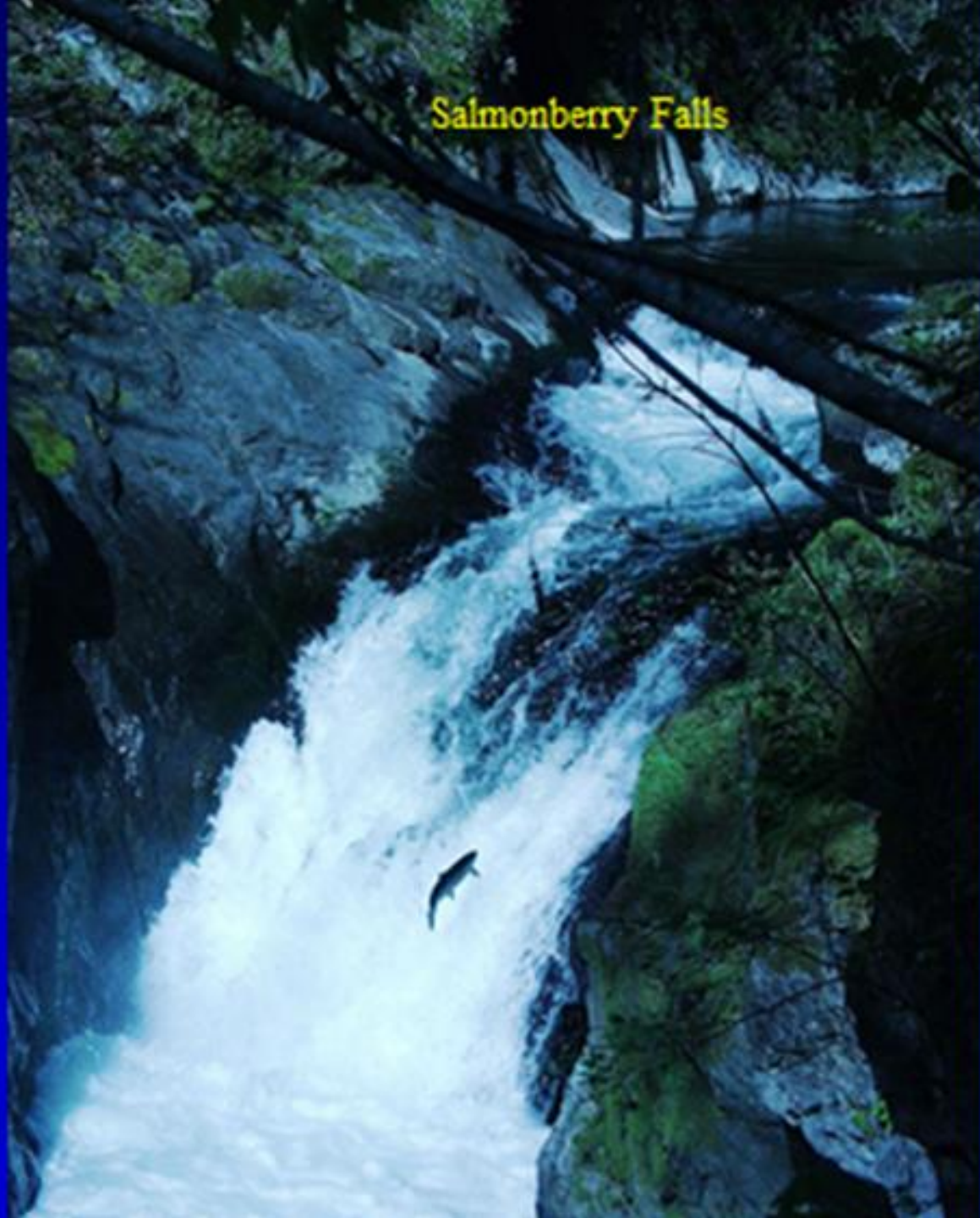
Note: Map is for general reference only.



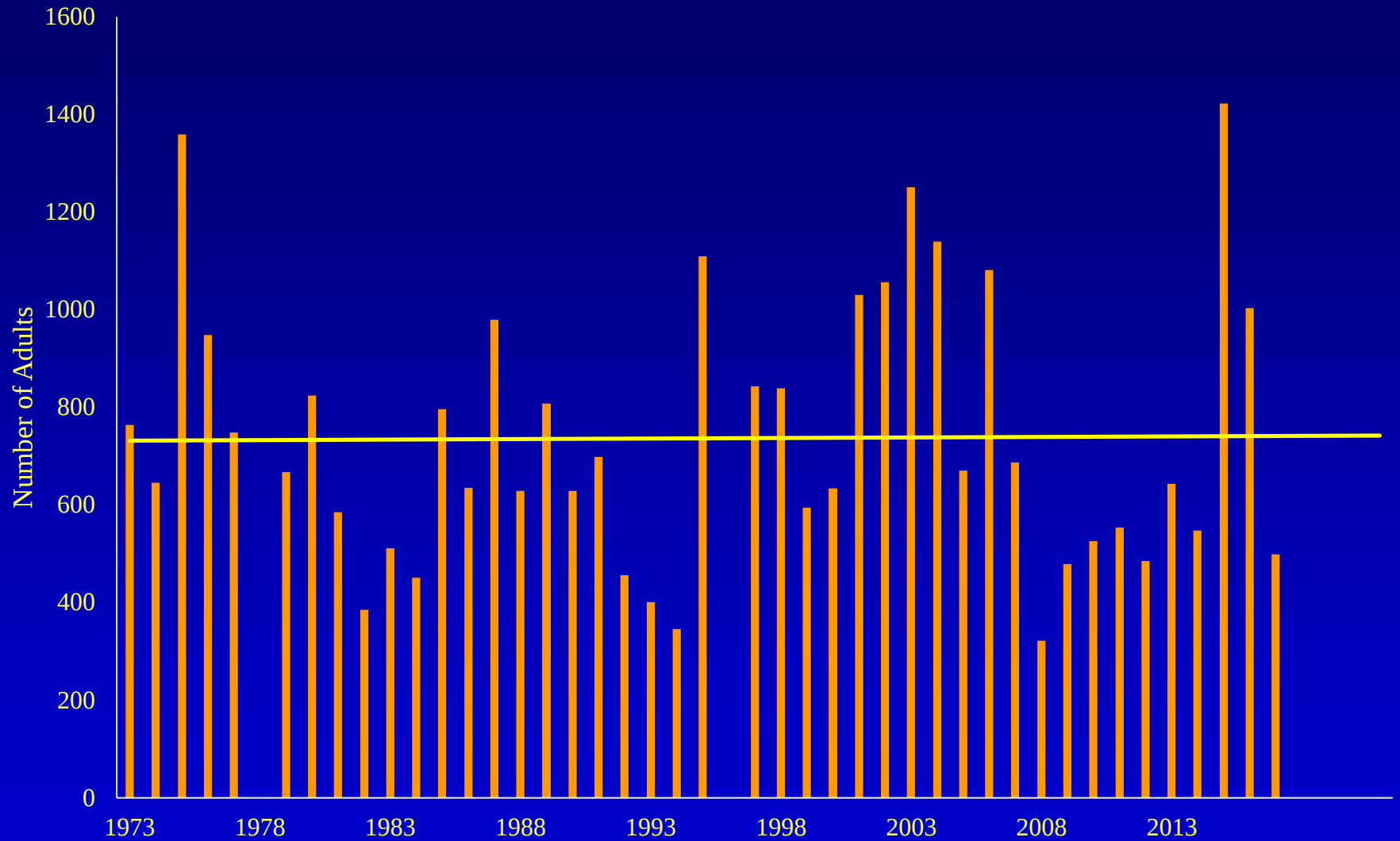
Estimated Spawners Oregon Coast DPS



Salmonberry Falls



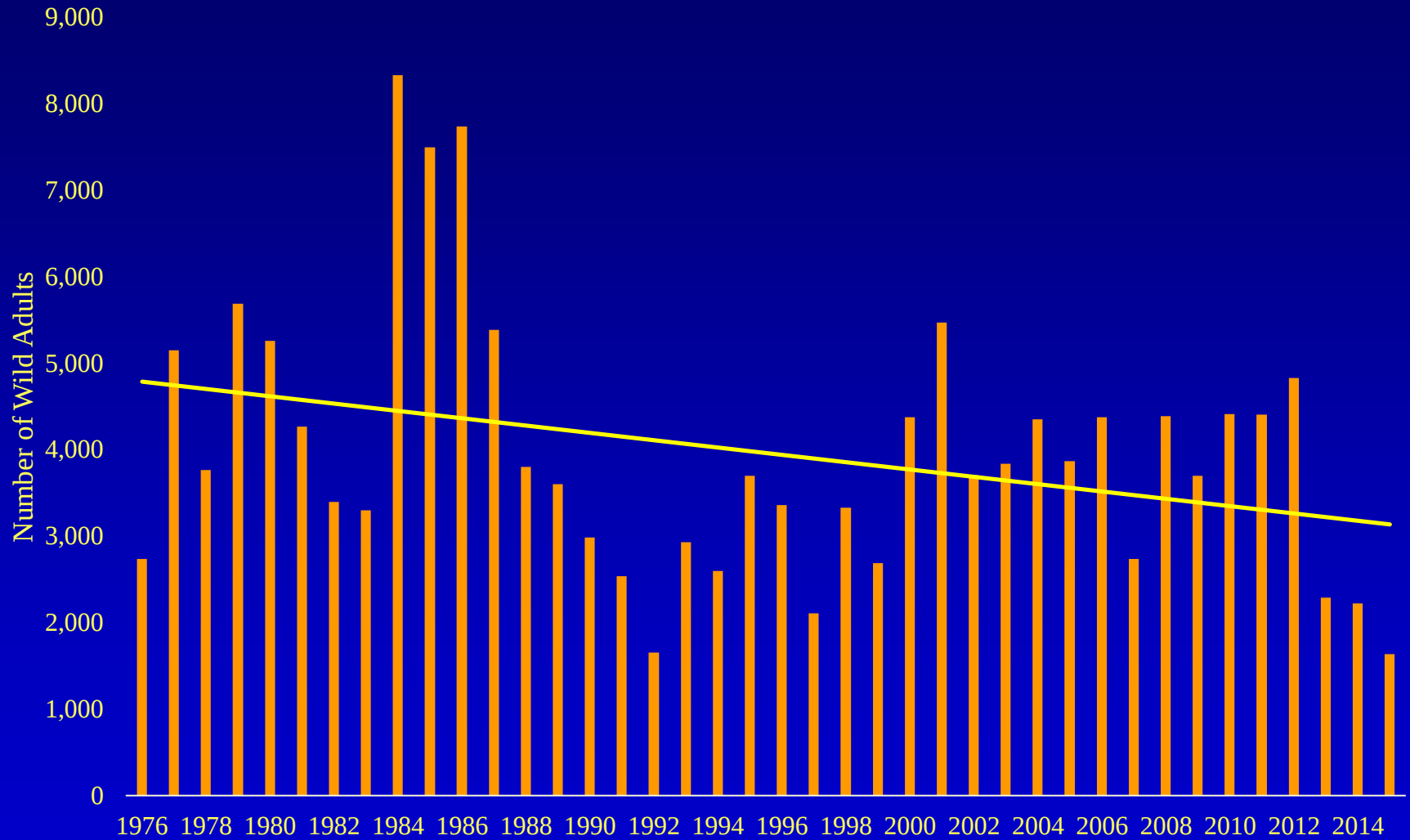
Salmonberry River - Nehalem



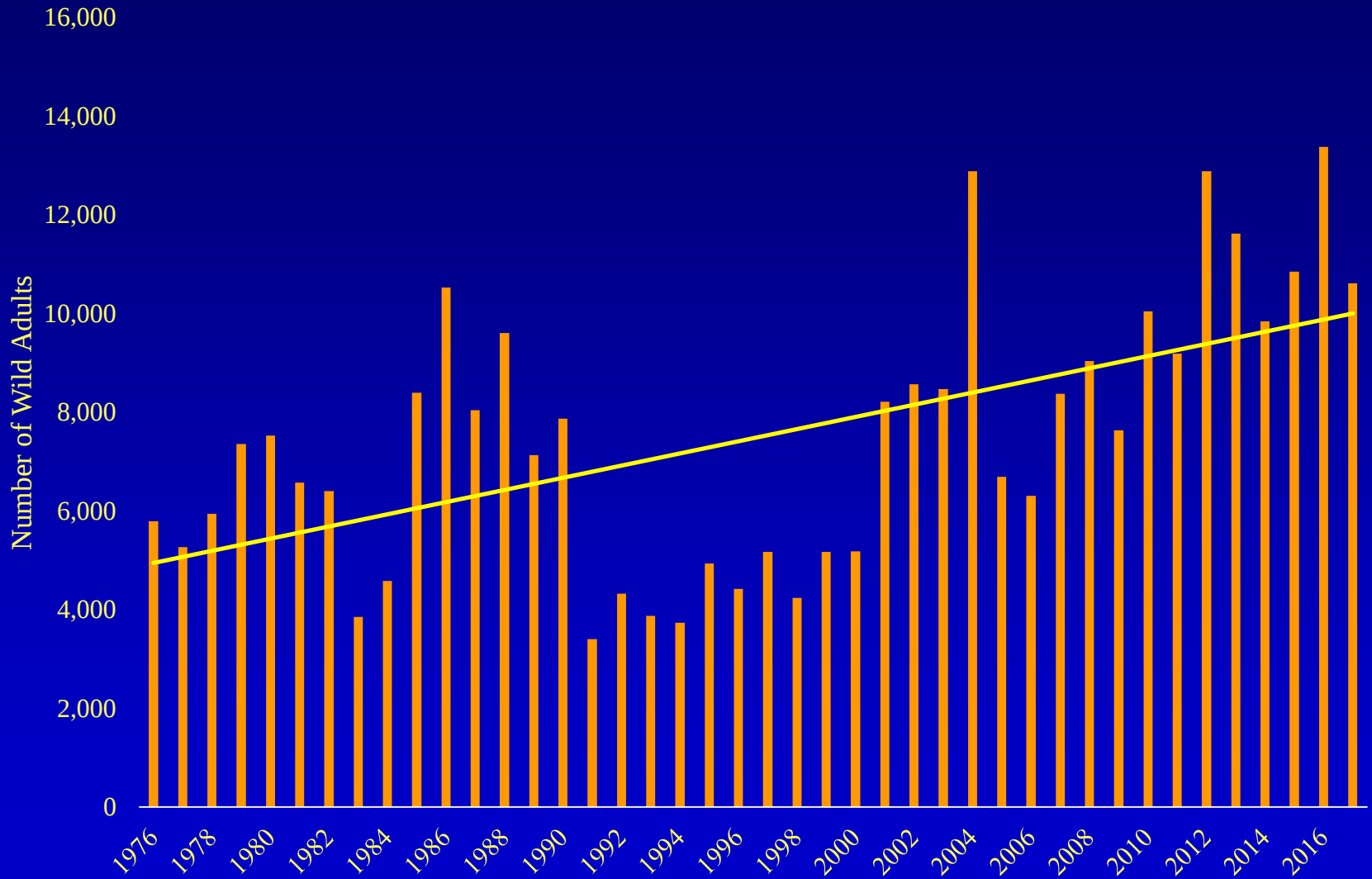
Winchester Dam

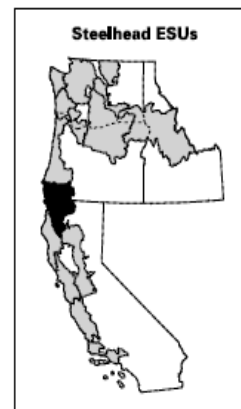


North Umpqua Summer Steelhead



North Umpqua Winter Steelhead





Note: Map is for general reference only.

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Tel (503) 231-2223



Scale:



MAP DATE: 2/11/99
CREATED BY: DJL
HCN/ACREW/STARCHIV

Gold Hill Dam

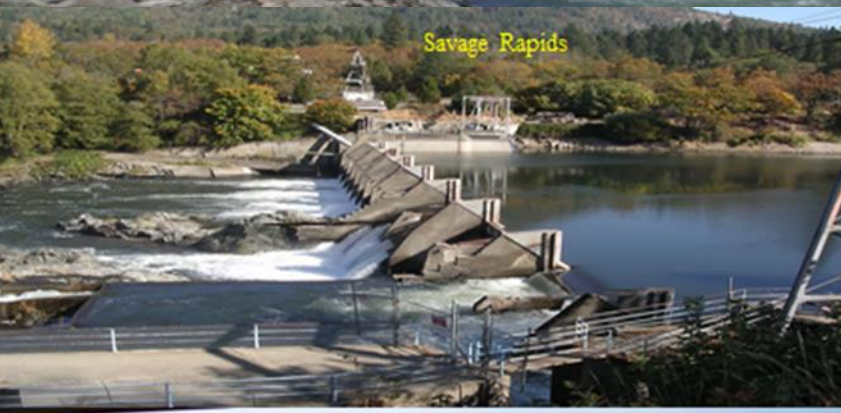


Rogue River

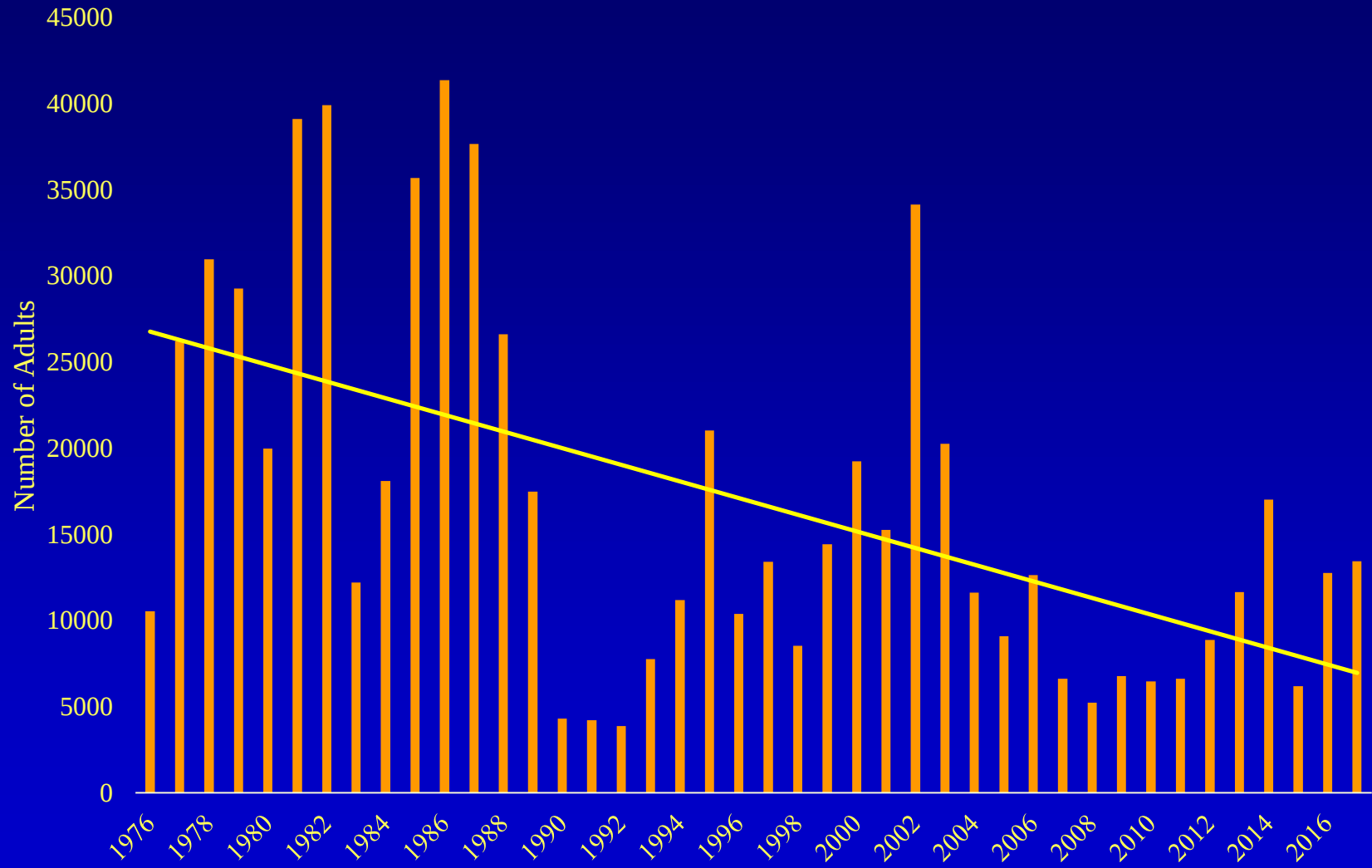
Gold Ray Dam



Savage Rapids



Rogue Summer Steelhead



Oregon Challenges

- Sea Lion predation at Willamette Falls.
- Naturally spawning hatchery fish.
- Residual hatchery fish.
- Introgression.
- Tributary overshoot in the Columbia.
- Monitoring steelhead abundance and productivity.

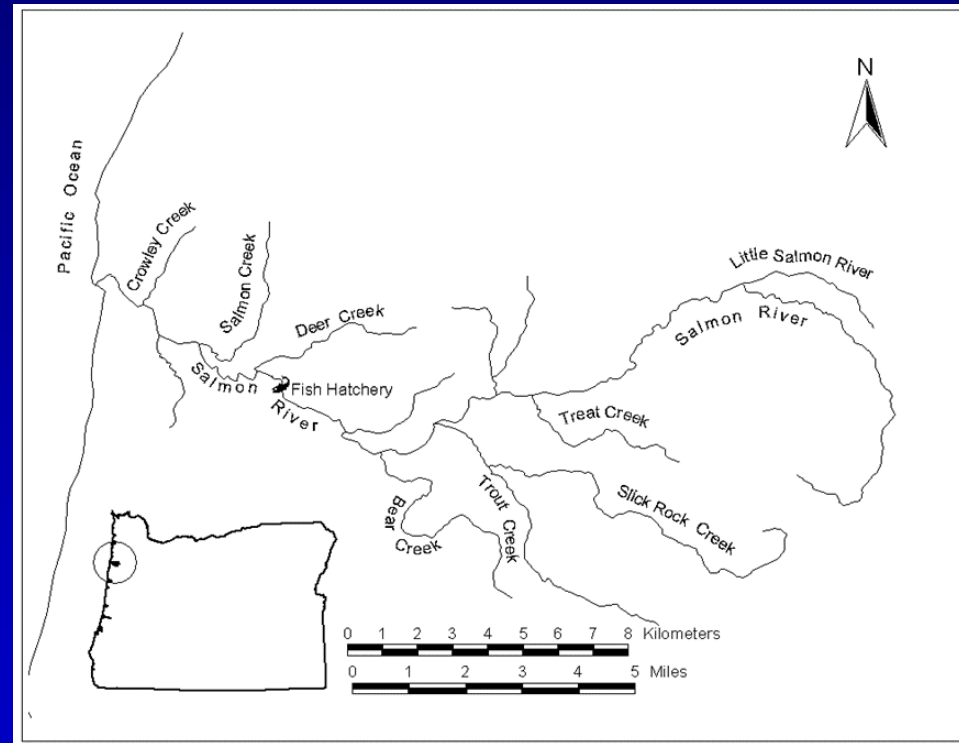
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Evaluating Wild Steelhead Harvest

- New wild steelhead harvest fisheries proposed in three coastal sub-basins as part of Coastal Multi-species Conservation and Management Plan (CMP).
- Two implemented last year with goal of keeping harvest $\leq 10\%$.

Salmon River Fishery

- ODFW committed to evaluating impact.
- Small coastal basin with good steelhead habitat.
- Basin-wide redd surveys to estimate spawner abundance.
- Creel to assess fishery.



Salmon River Fishery

- Open Dec. 1 through March 31.
- Primarily bank angling.
- Bag limit: 1 per day, 3 per year.
- Bait allowed Jan1 to March 31.
- 3 person crew conducting creel/spawning surveys.

Preliminary Evaluation – Year 1

- Roving surveys and pressure counts used to estimate catch-per-unit-effort, effort per angler and total anglers.
- 113 anglers counted over the season,
 - 194 hours of trips, 24 steelhead caught – 19 released, 5 harvested
- Estimated total catch = 356
- Retention rate of 20.8% = 74 steelhead harvested – 59 wild.

Preliminary Evaluation – cont'd

- 17 spawning/redd surveys (~1 km ea.) conducted on 7-14 day rotation.
- Randomly selected and spatially balanced.
- Surveyed January through April.
- Estimated 338 redds, 579 spawners (70 hatchery strays).
- Including C&R mortality & harvest = 579 wild steelhead entered river.
- Harvest rate estimated @ 10.2%.

Thanks!