

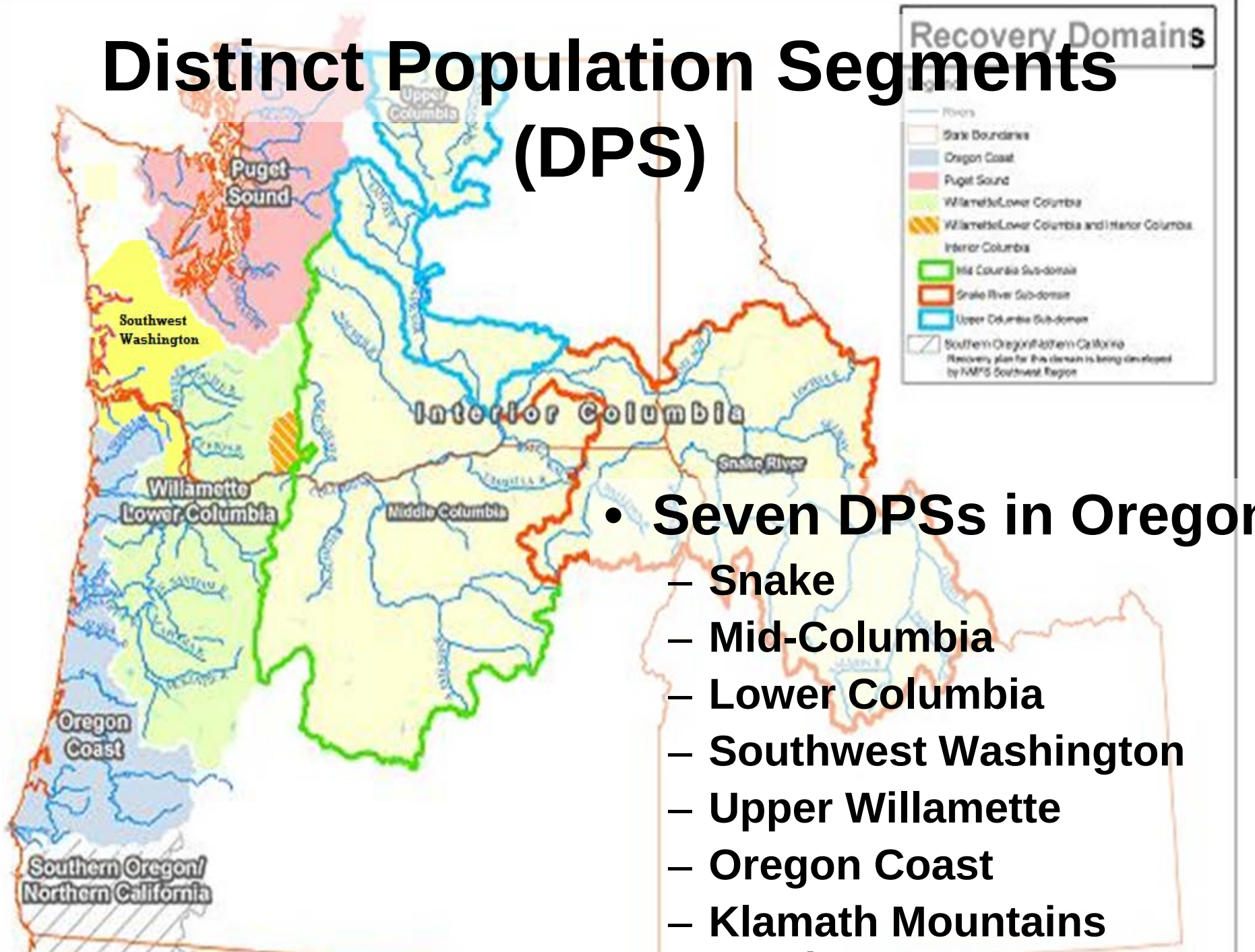


Status of Steelhead in Oregon

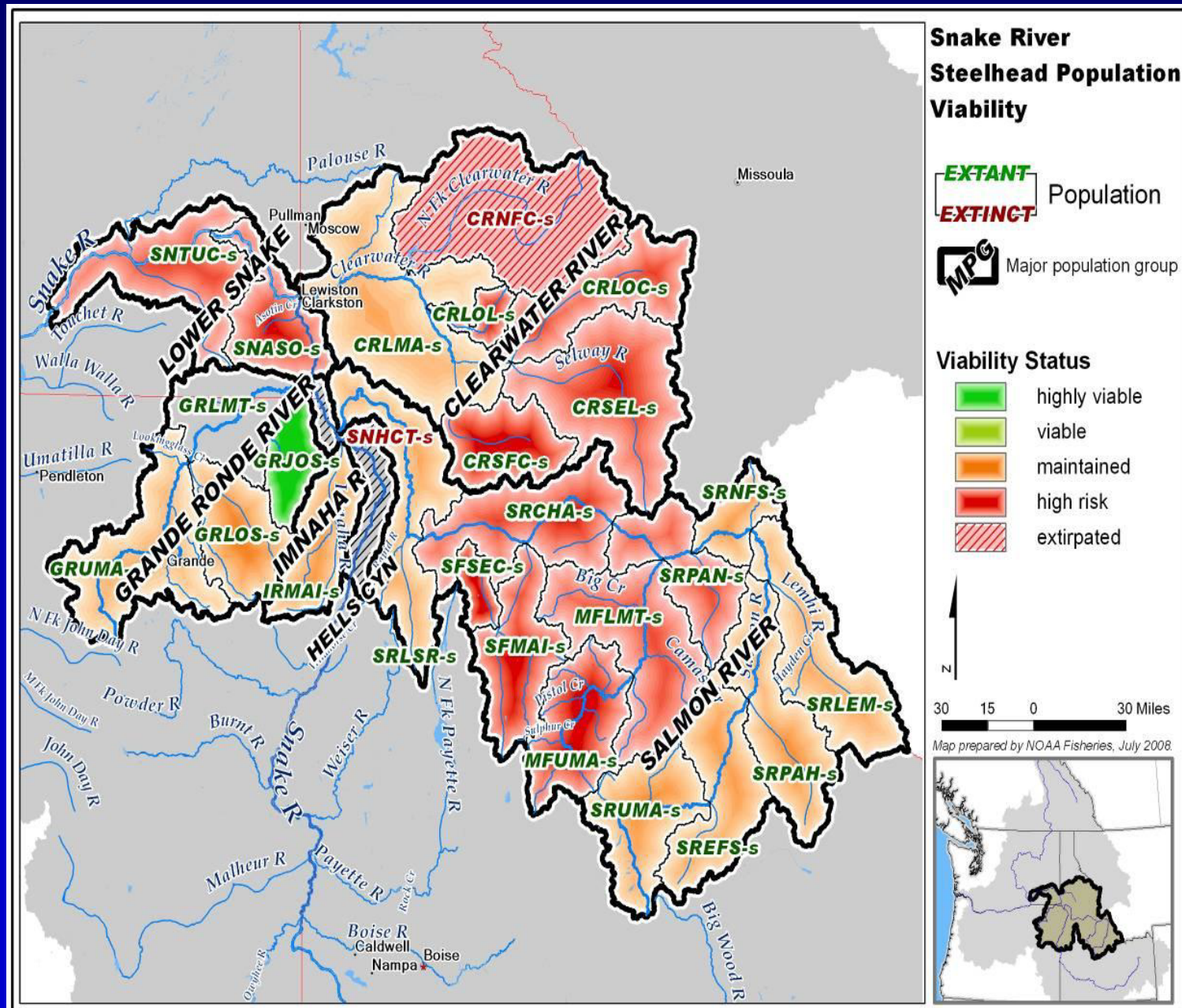
Pacific Coast Steelhead
Management Meeting
Oregon Department of Fish and Wildlife
March 8, 2016



Distinct Population Segments (DPS)



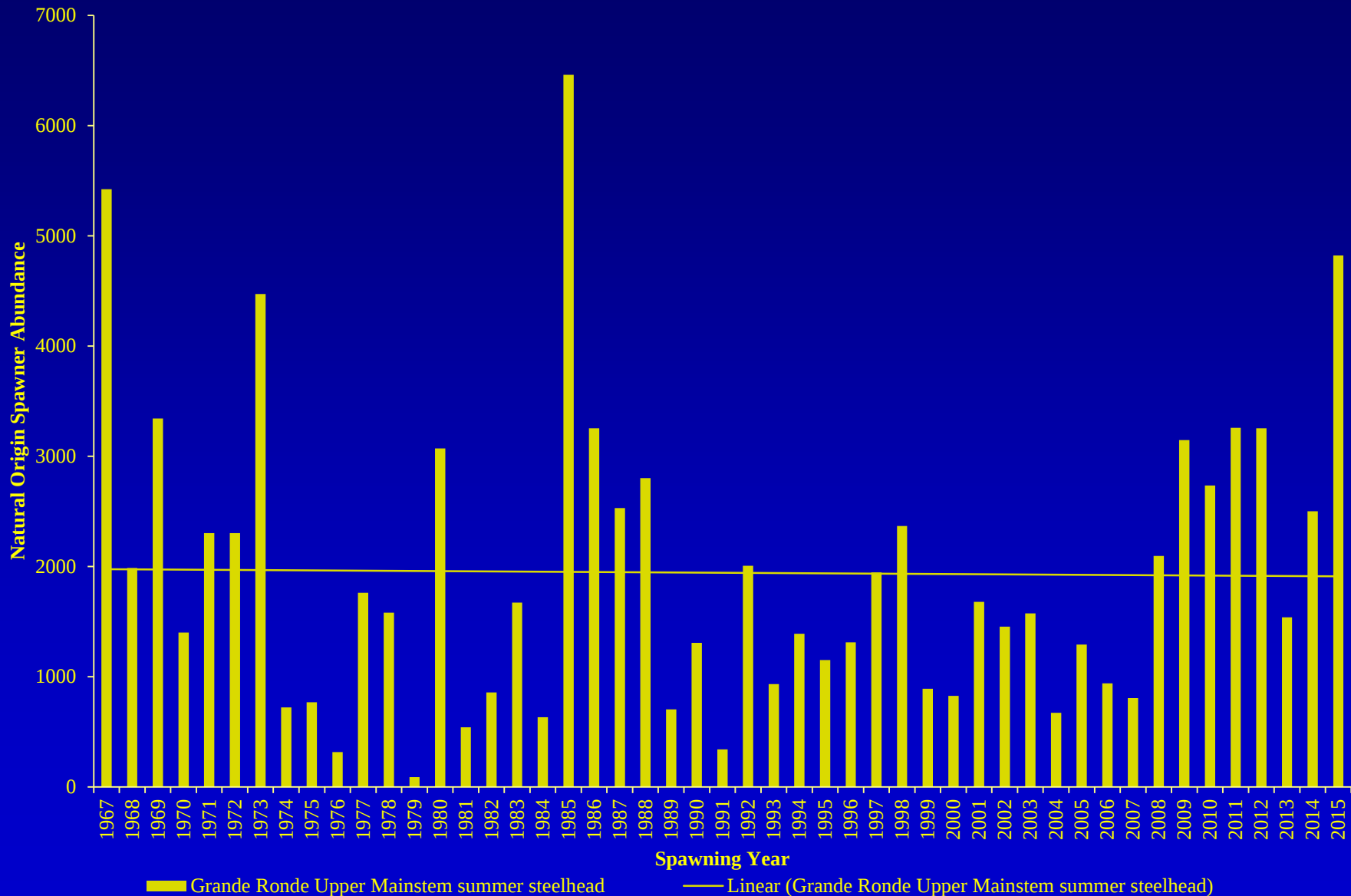
Snake Steelhead Current Status



Meadow Creek, Grande Ronde



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

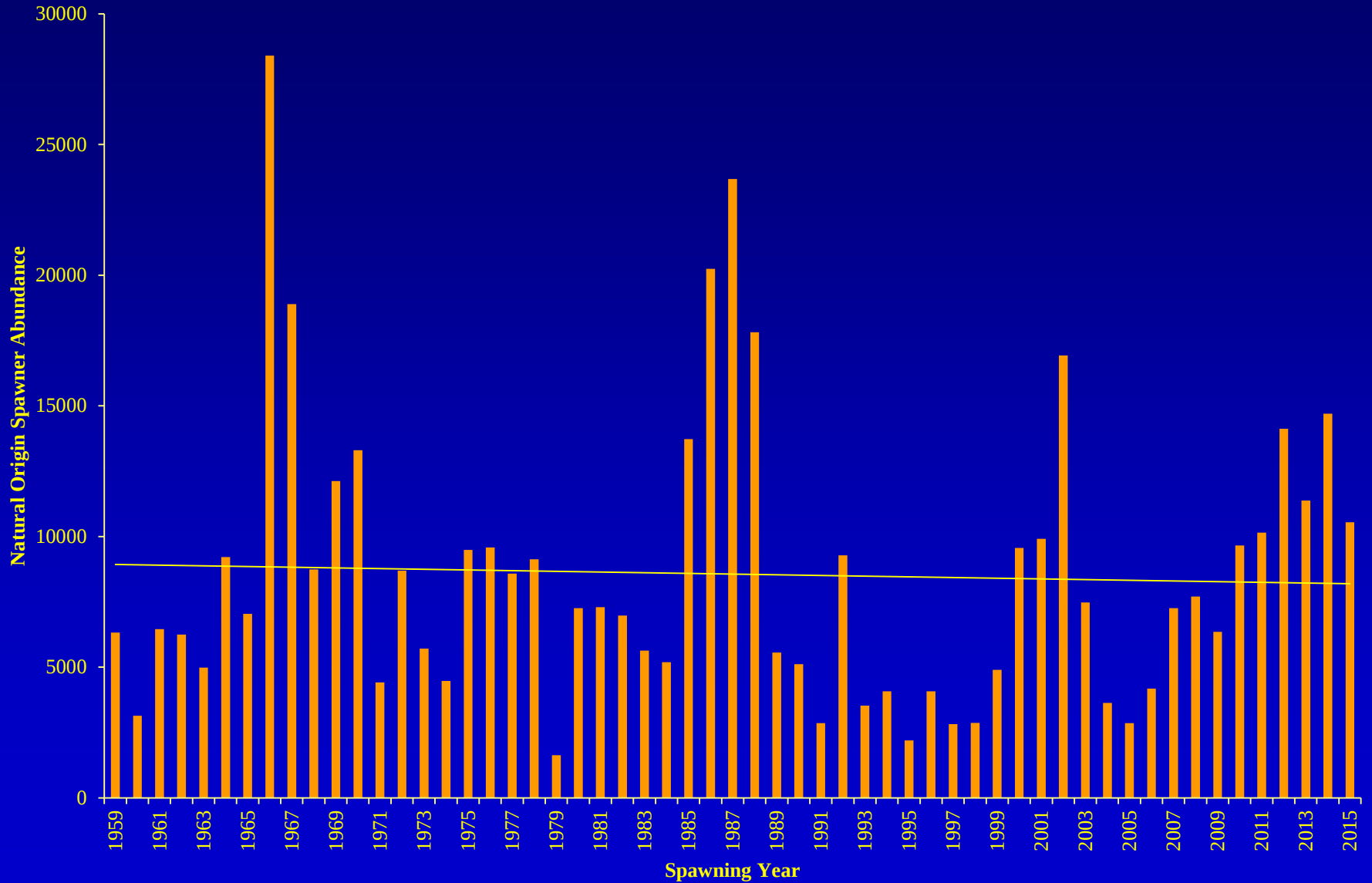


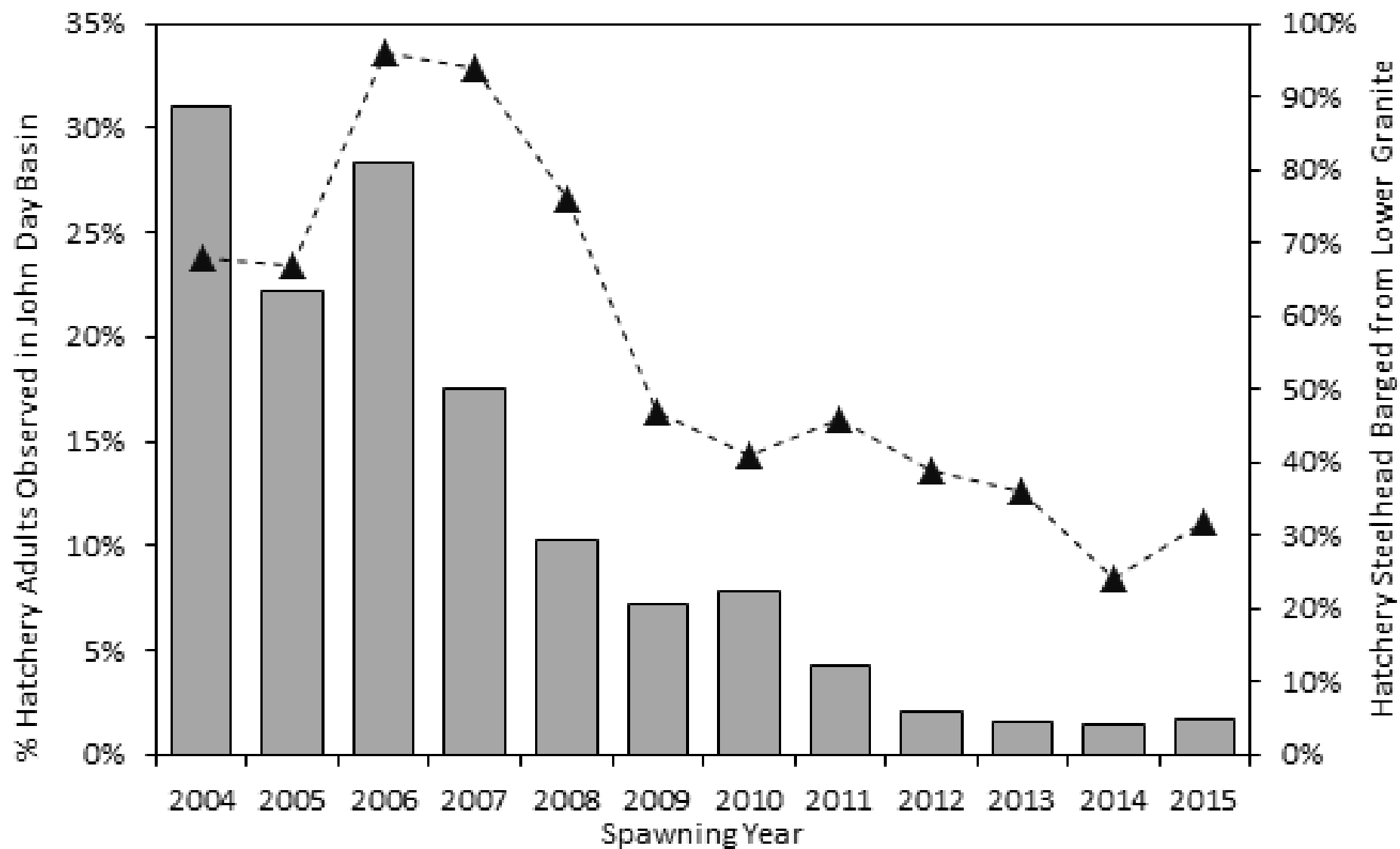
[illegible]

John Day

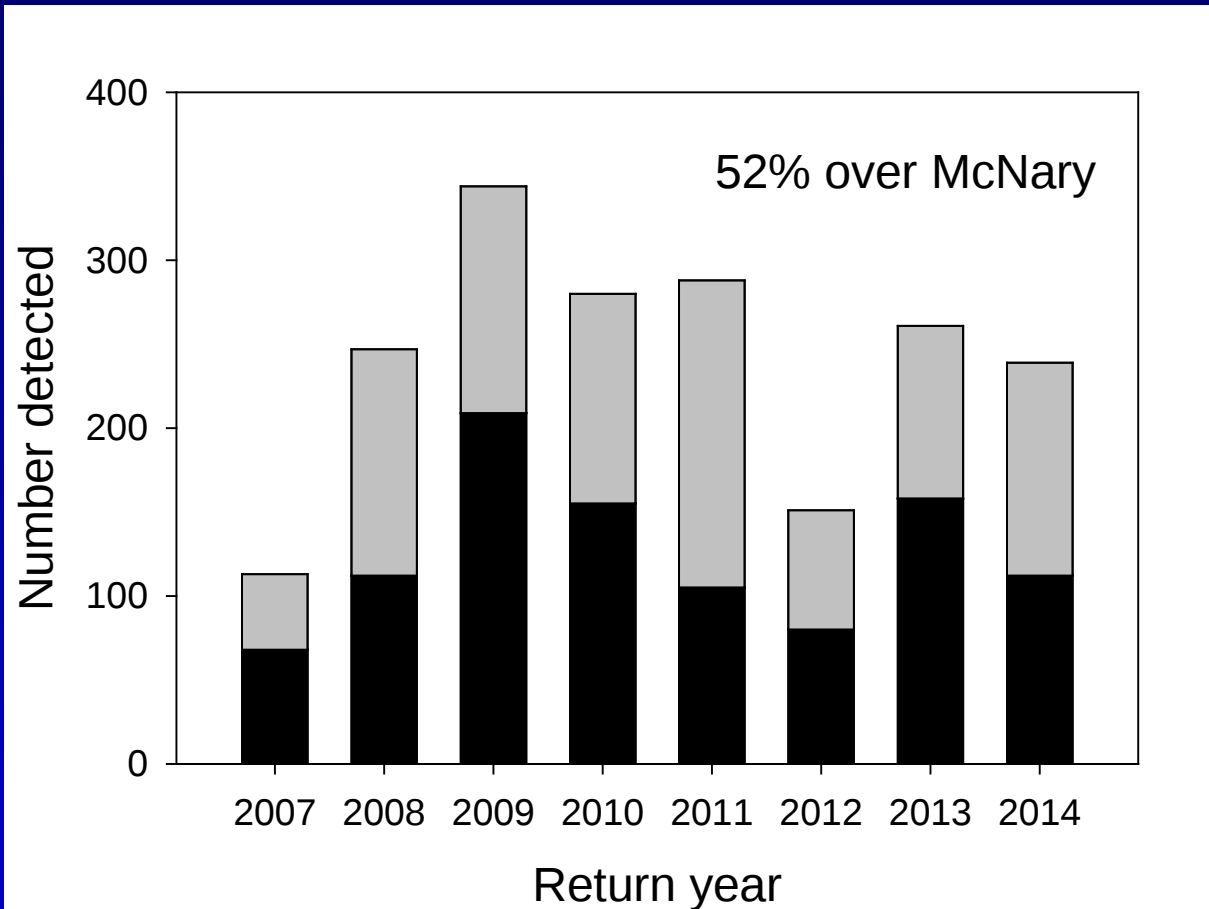


Natural Origin Spawner Abundance for the John Day summer steelhead Major Population Group





John Day Steelhead PIT Tag Returns at Bonneville

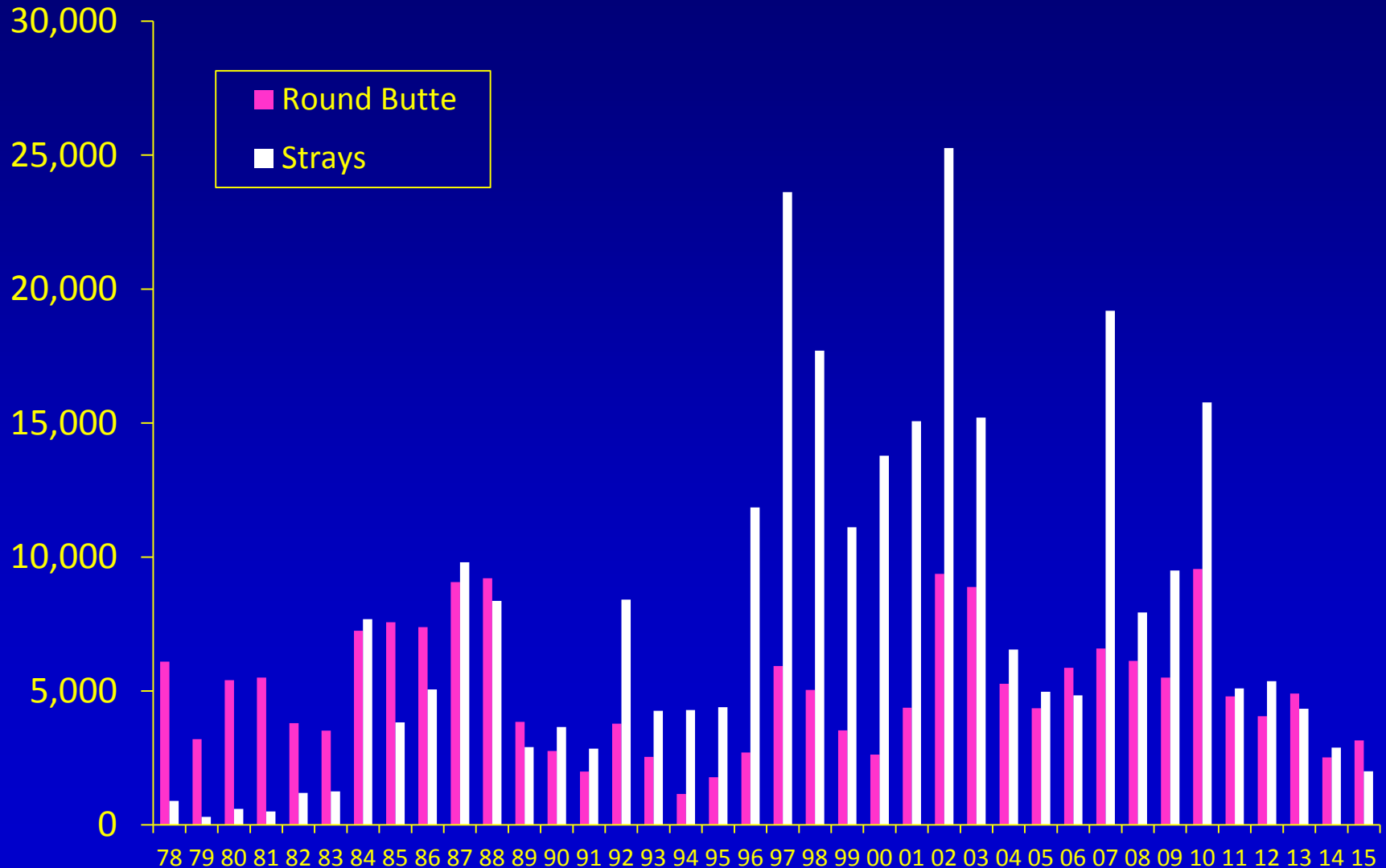


Deschutes Reintroduction

- Historic habitat – Crooked, Wychus, Upper Deschutes, Metolius
- Utilize Deschutes hatchery stock for reintroduction
- SWW Tower Fish Collection limited success

JUN 28 2010

DESCHUTES RBH AND STRAY HATCHERY STS ESCAPEMENT



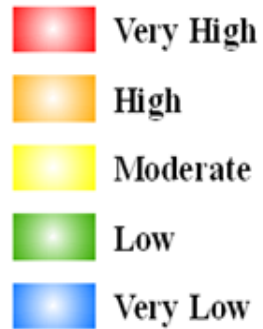
Lower Columbia DPS

Current Status

Winter Steelhead



RISK



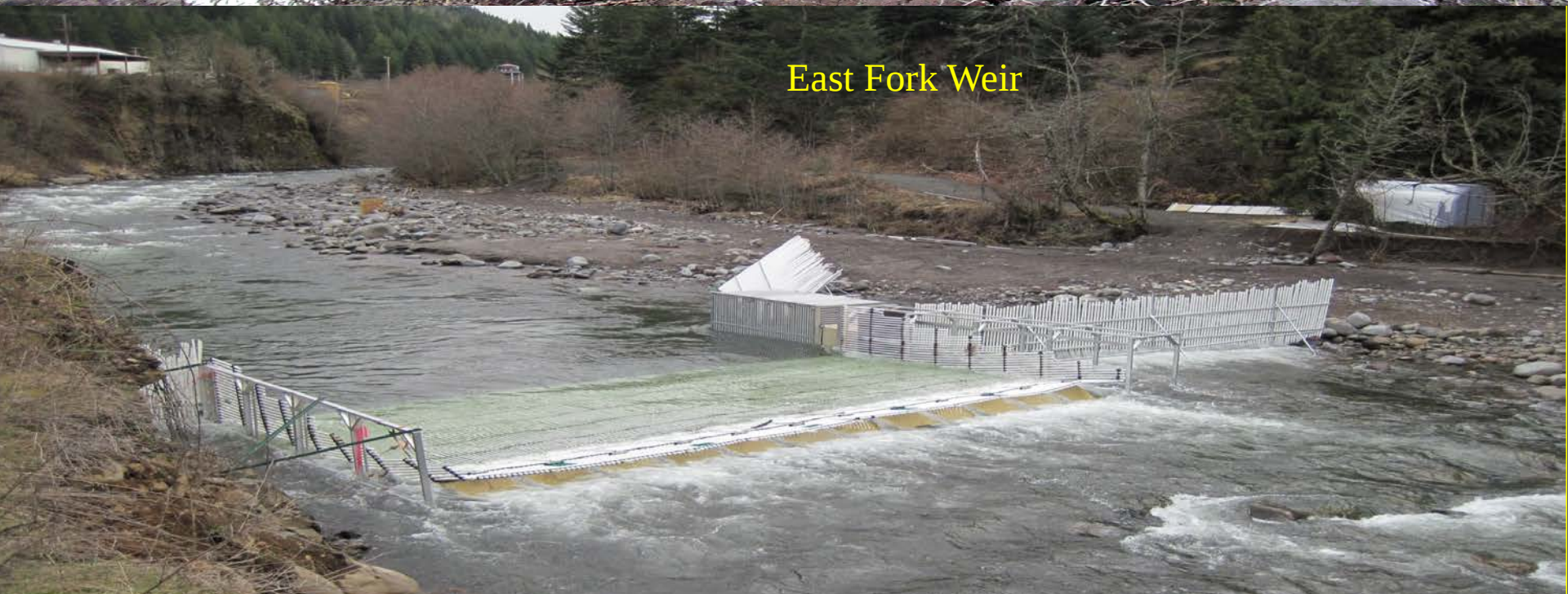
Summer Steelhead



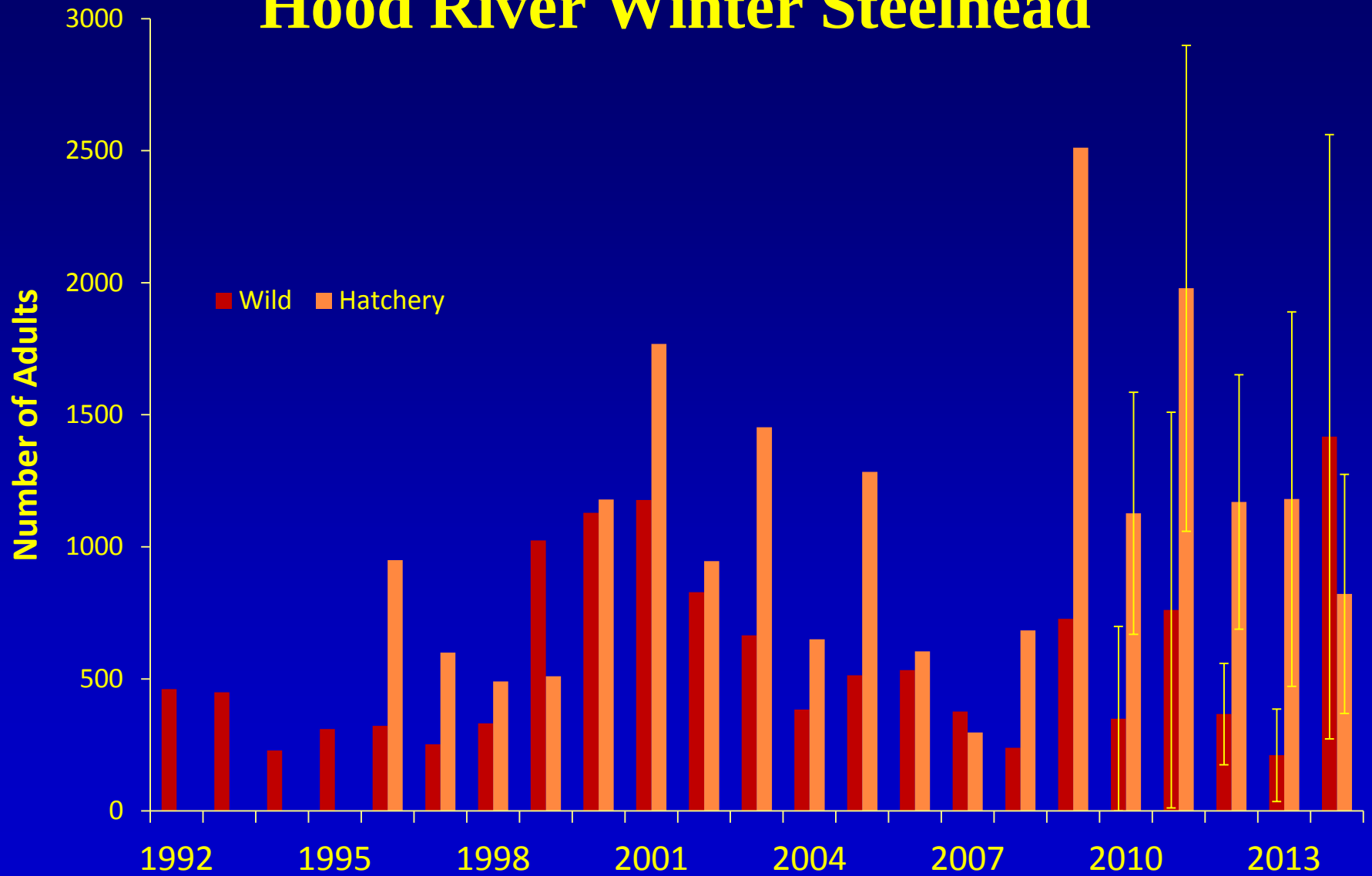
Powerdale Dam



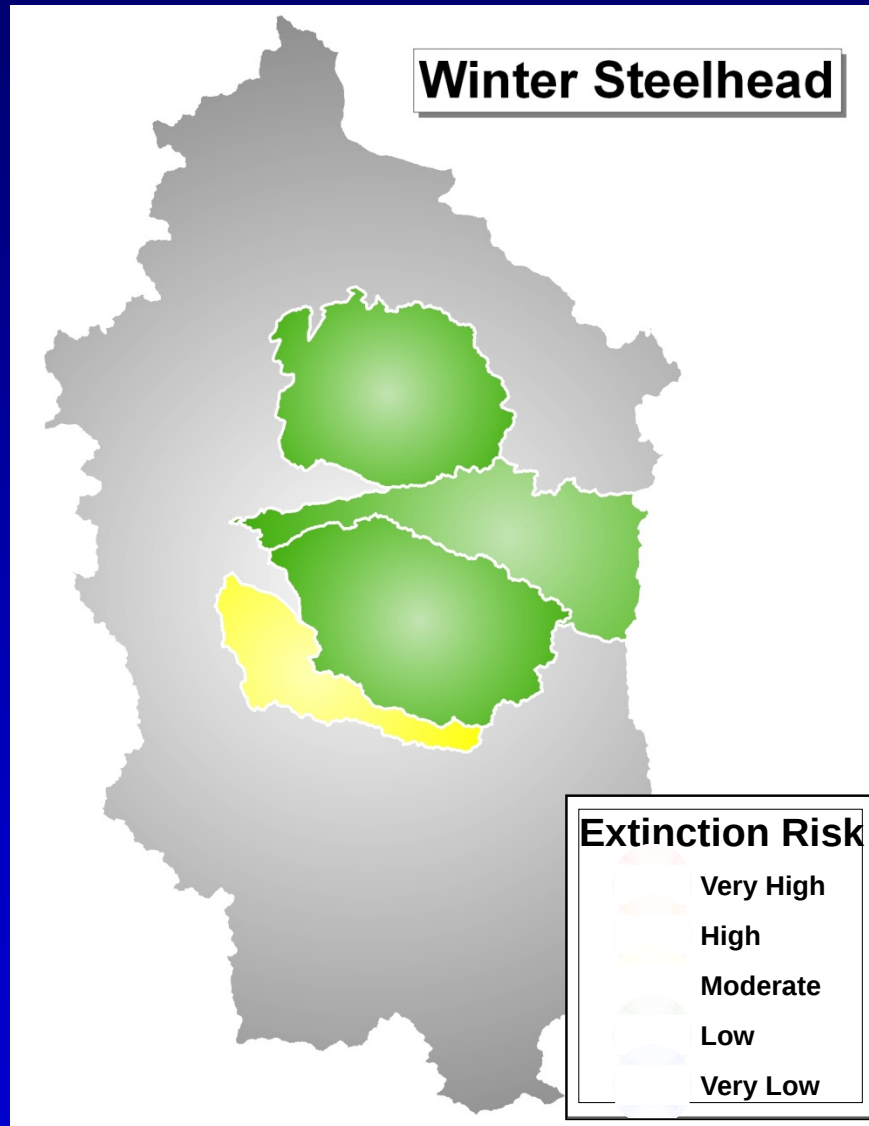
East Fork Weir



Hood River Winter Steelhead



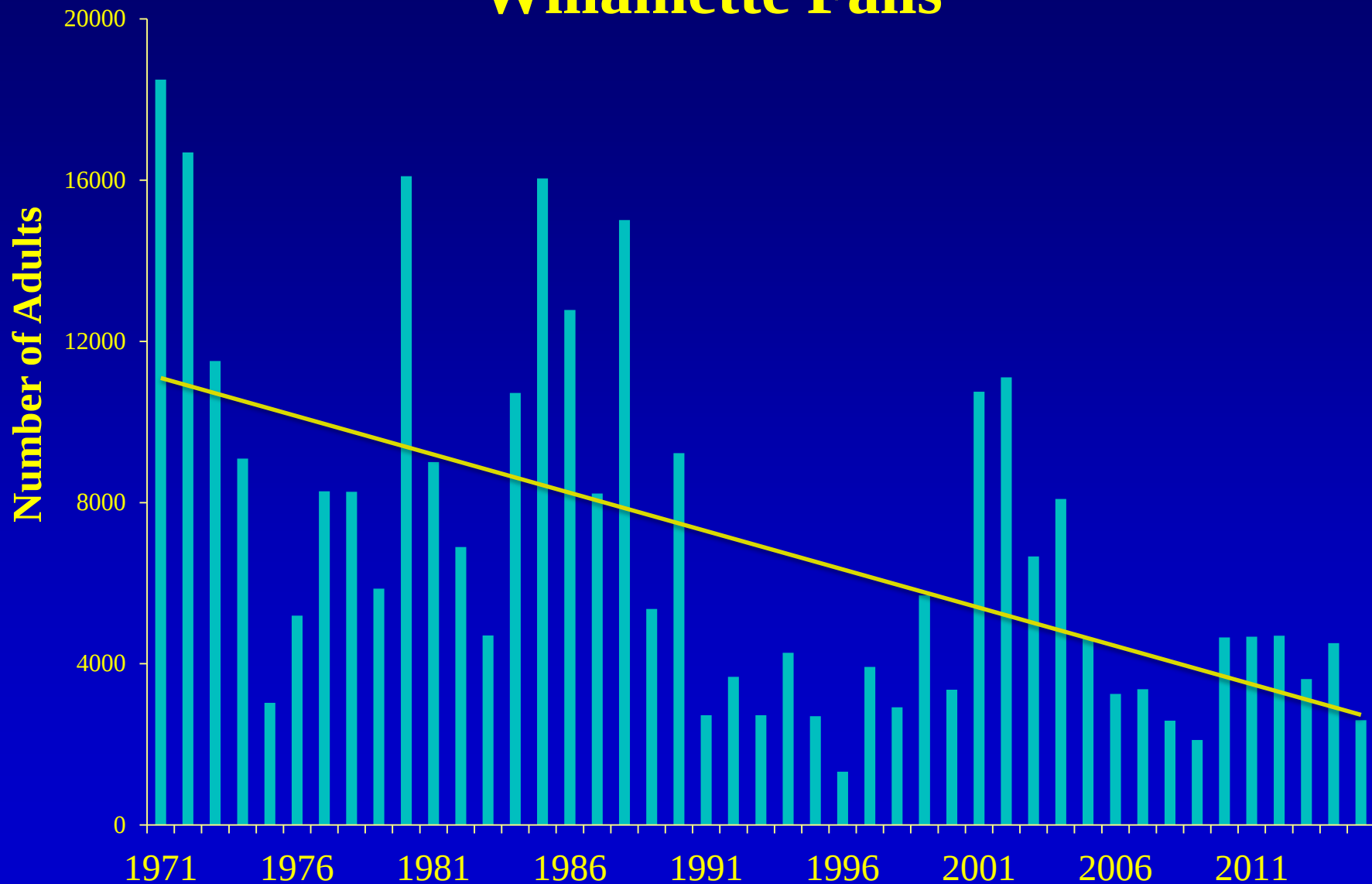
Upper Willamette DPS



Willamette Falls



Winter Steelhead Passage at Willamette Falls

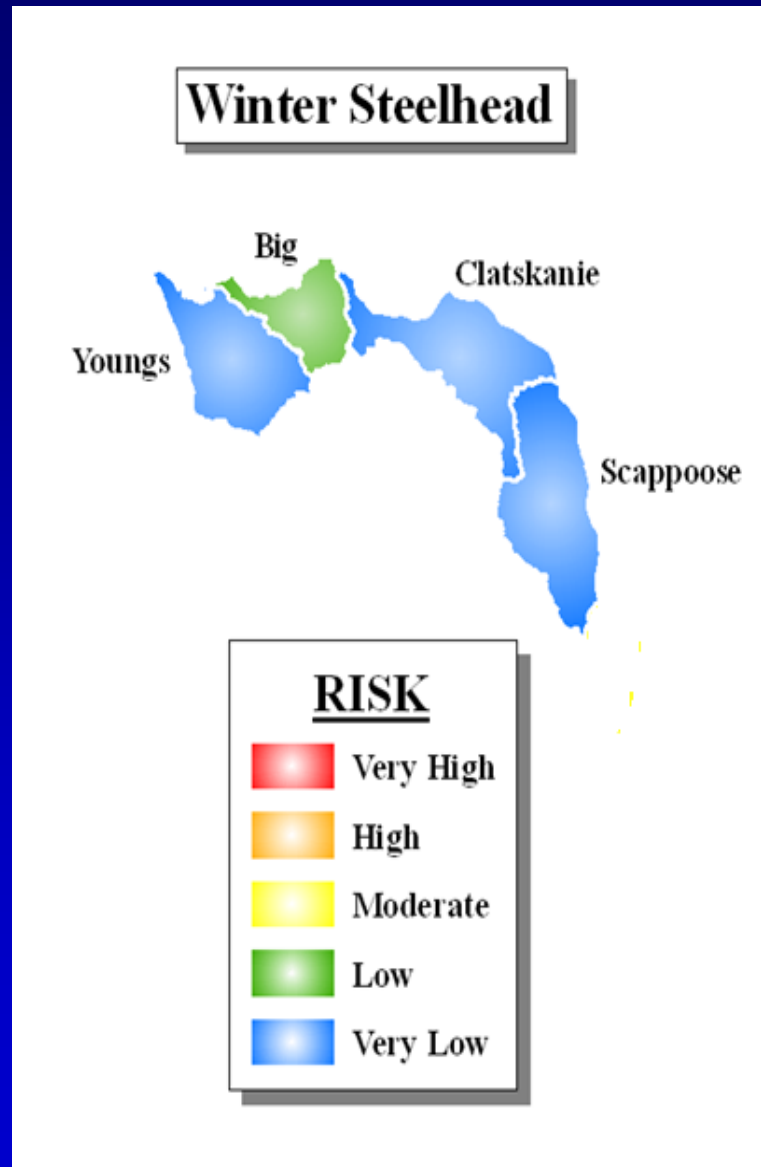


Willamette Sea Lion Predation

- Mid – 1990's observations of sea lions increase near the falls.
- Low run size in 2008, hazing starts in 2010, hazing ineffective
- 30+ Sea lions in falls area
- 13% of run 2014, 10% in 2015



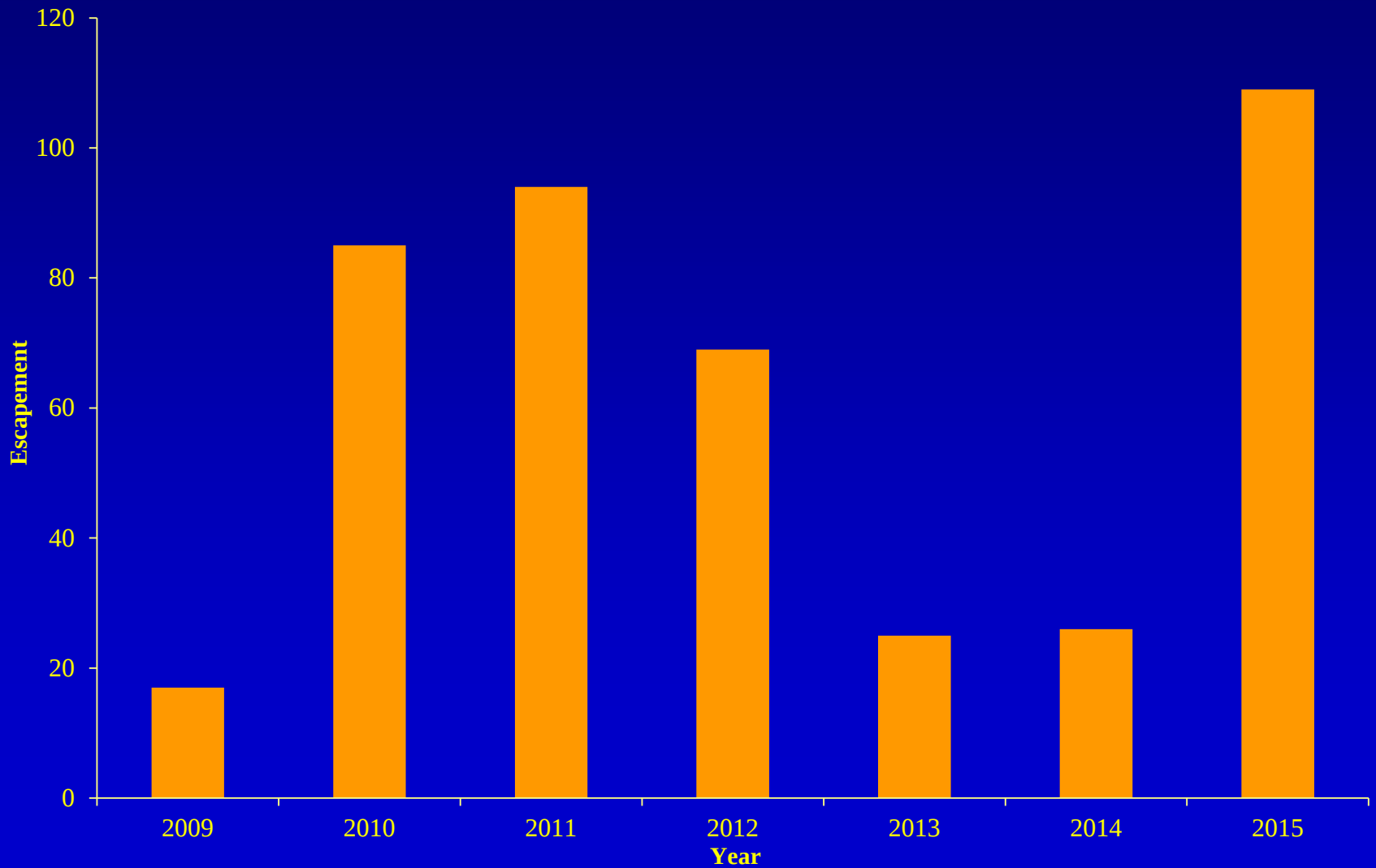
Southwest Washington DPS



Big Creek

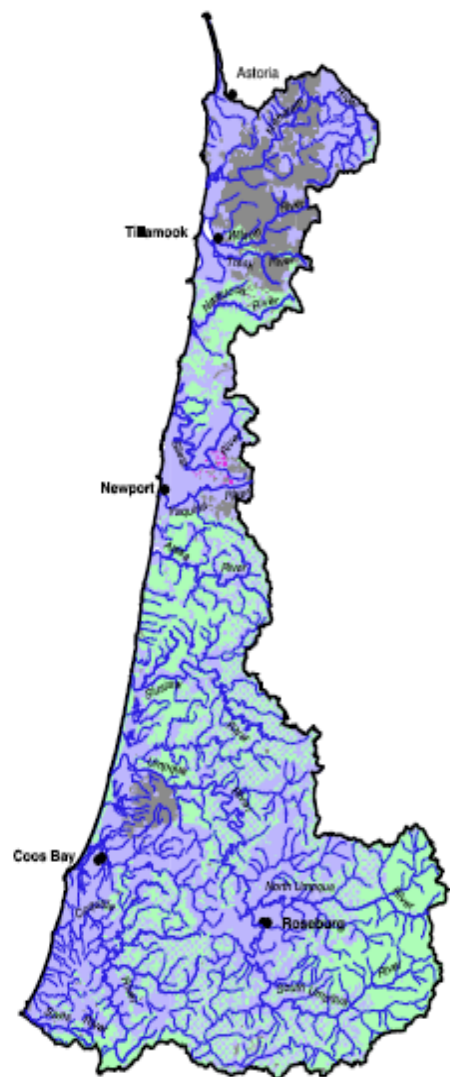
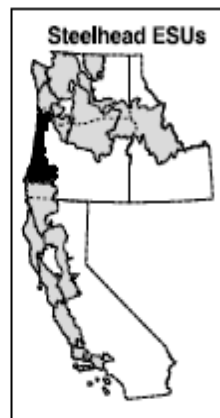


Wild Escapement at Big Creek Weir





OREGON COAST STEELHEAD DPS



Land Ownership

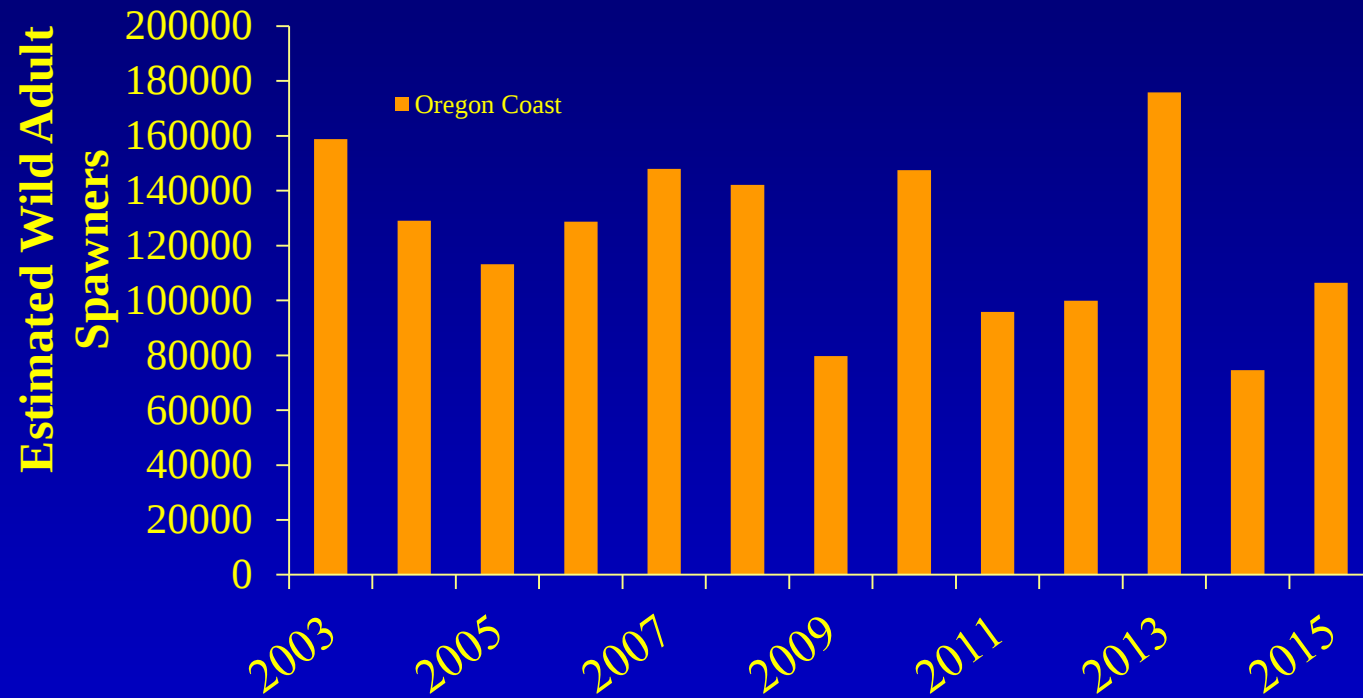
- Federal (35%)
- Private (56%)
- State/Local (8%)
- Tribal (less than 1%)

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) 231-4333

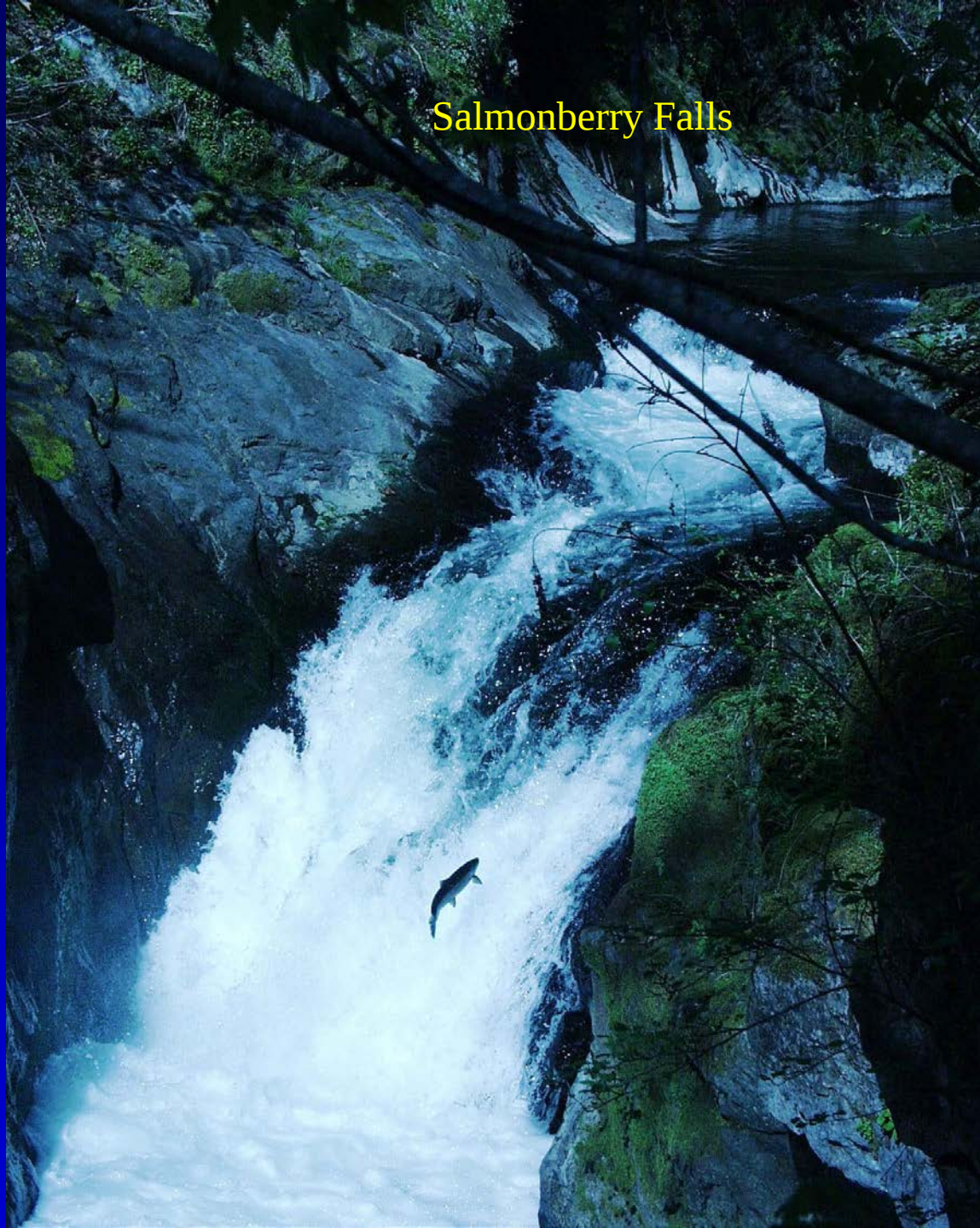


Note: Map is for general reference only.

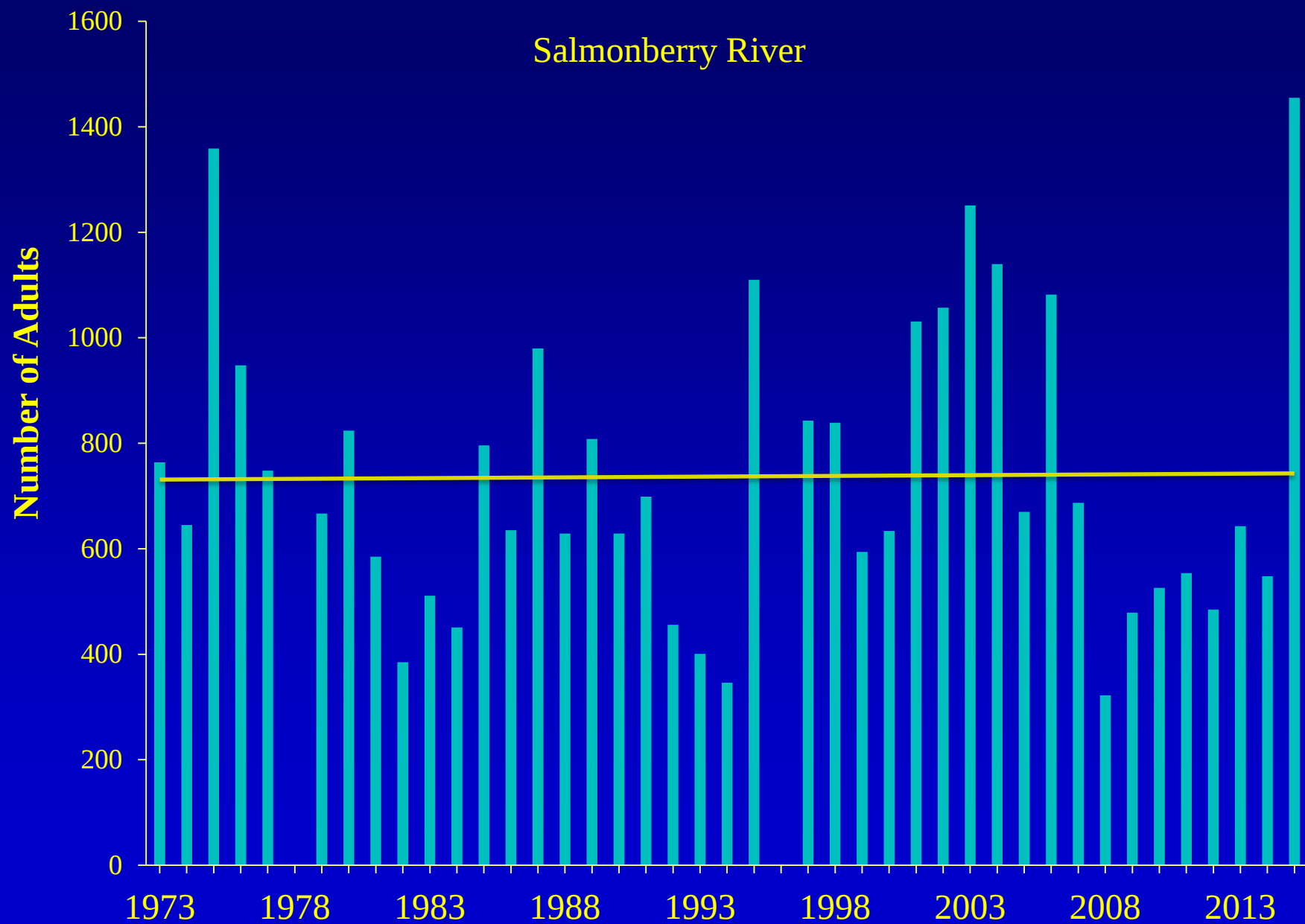
Estimated Spawners Oregon Coast DPS



Salmonberry Falls



Salmonberry River



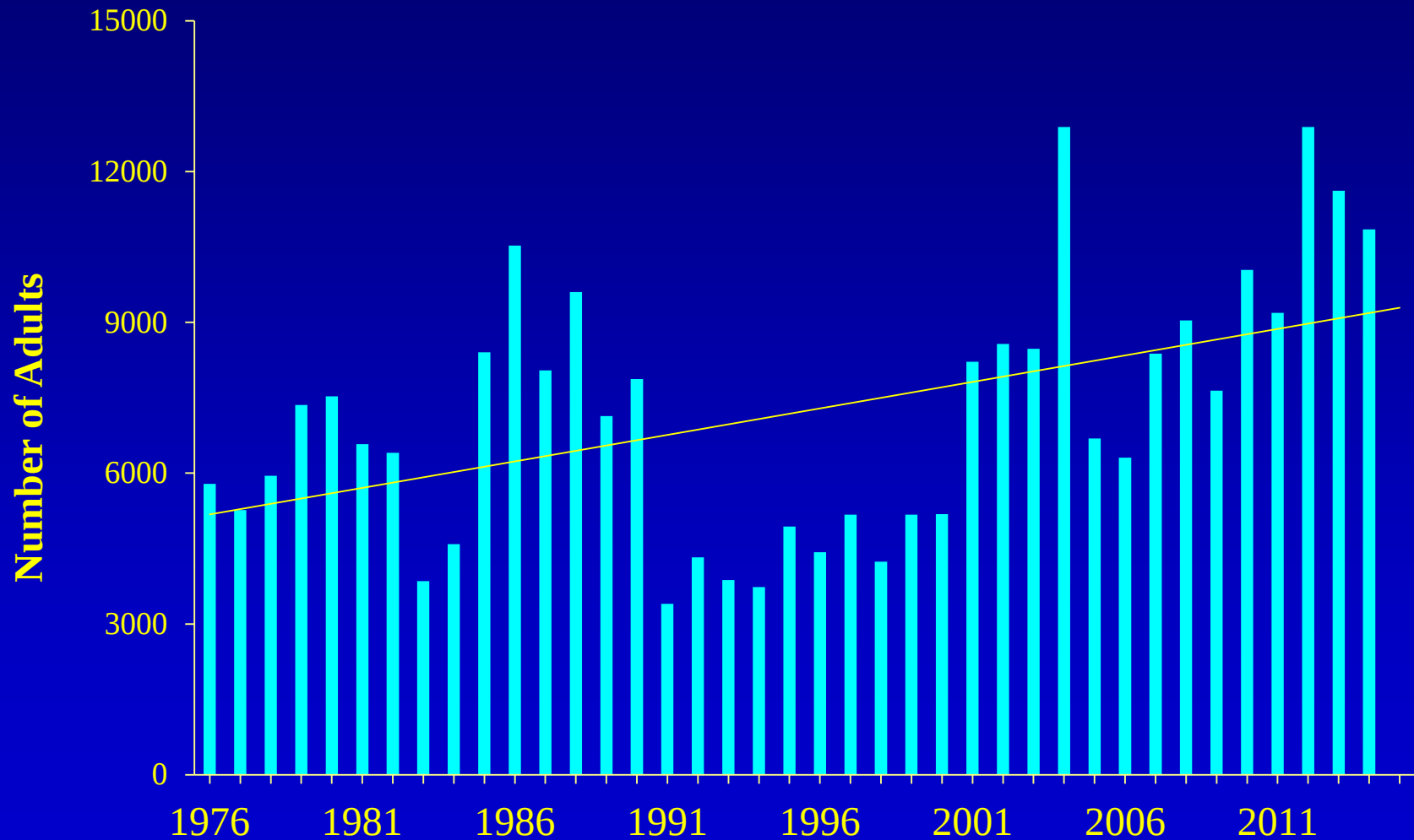
Umpqua River



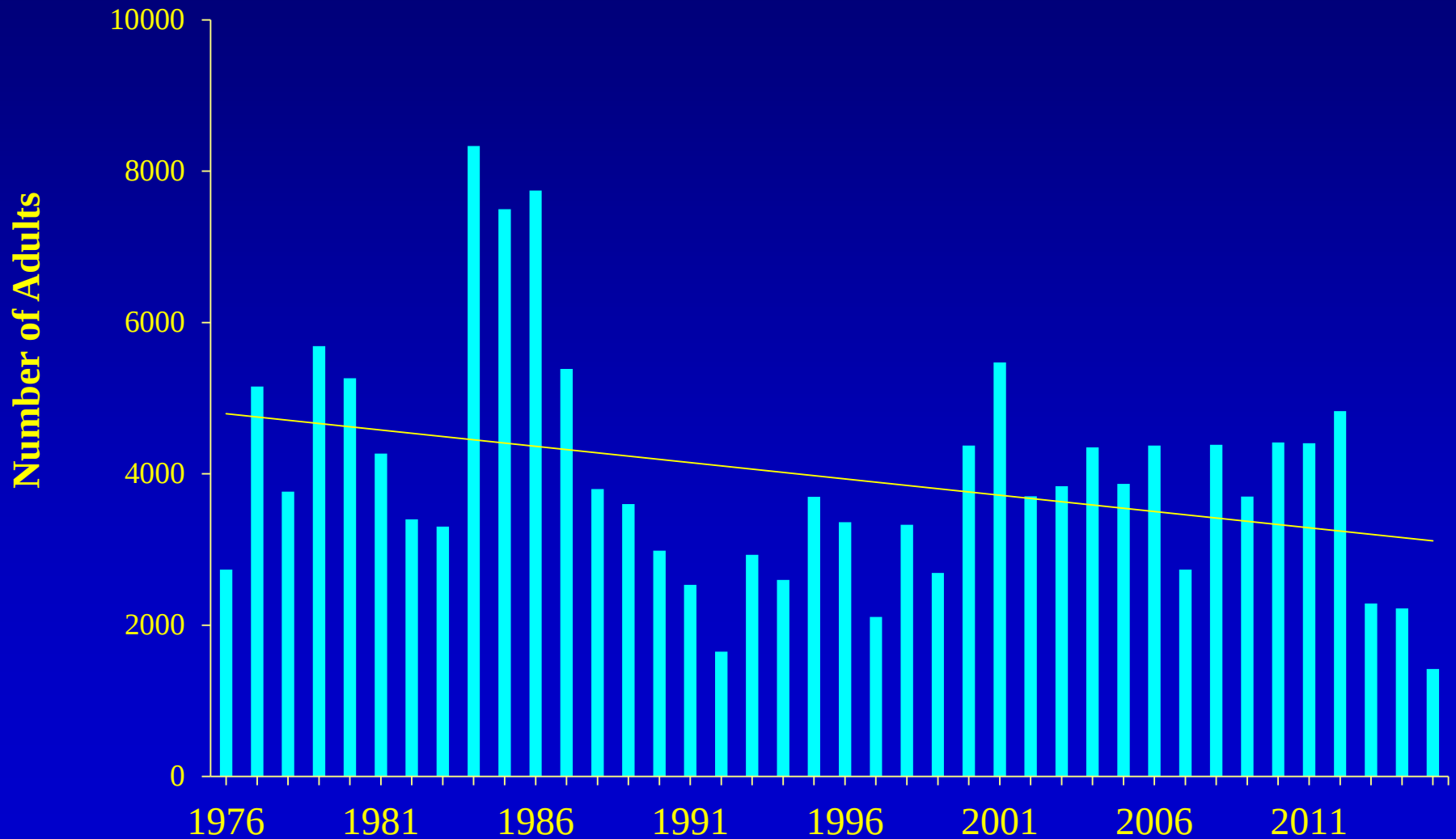
Winchester Dam

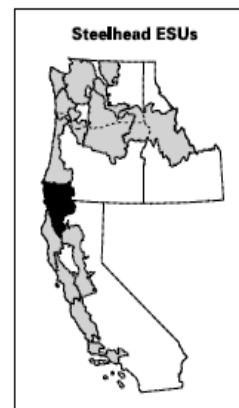


Winter Steelhead Escapement North Umpqua River



Summer Steelhead Escapement North Umpqua River





Note: Map is for general reference only.

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Tel (503) 231-2223



Scale:

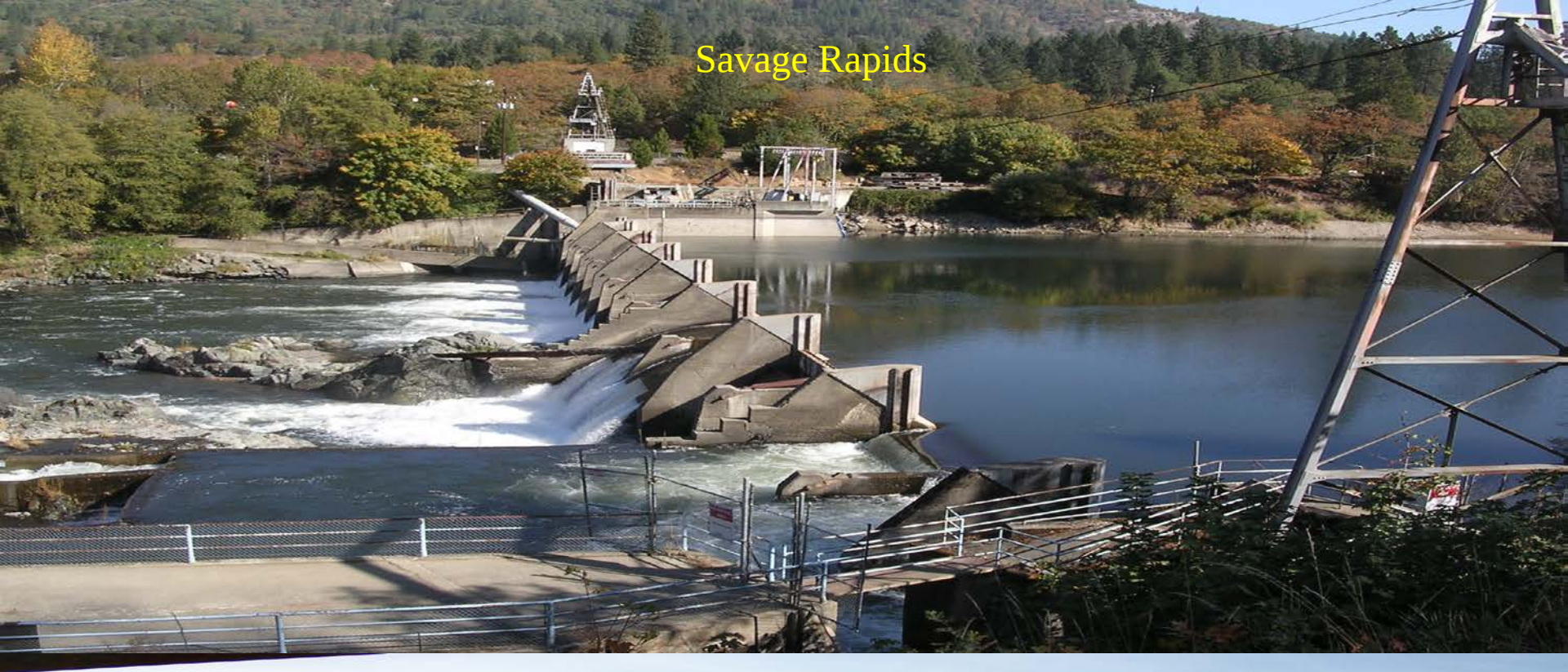


MAP DATE: 2/11/99
 CREATED BY: DJL
 HYDROGRAPHIC DATA

Gold Ray Dam



Savage Rapids

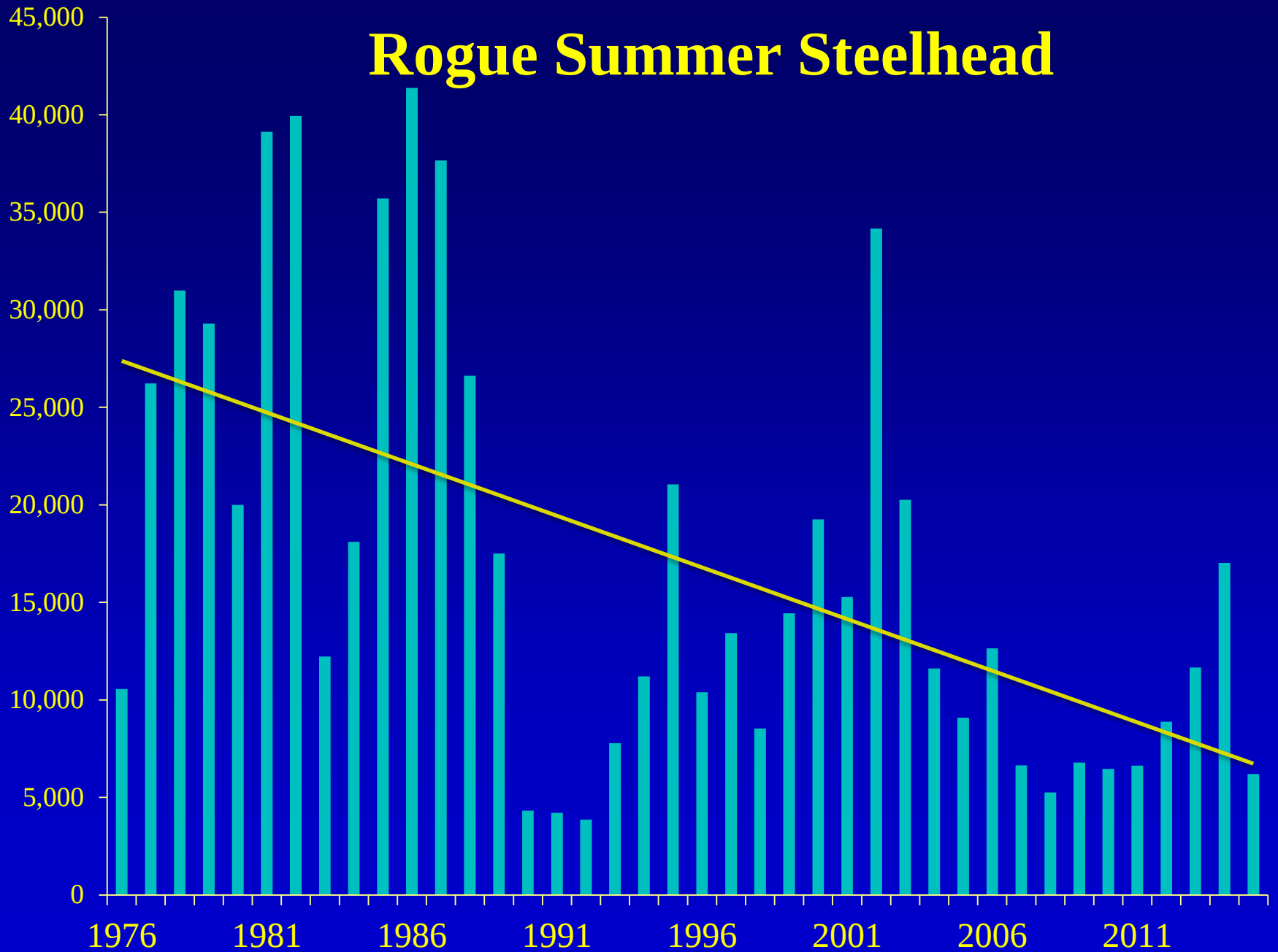


Gold Hill Dam



Rogue Summer Steelhead

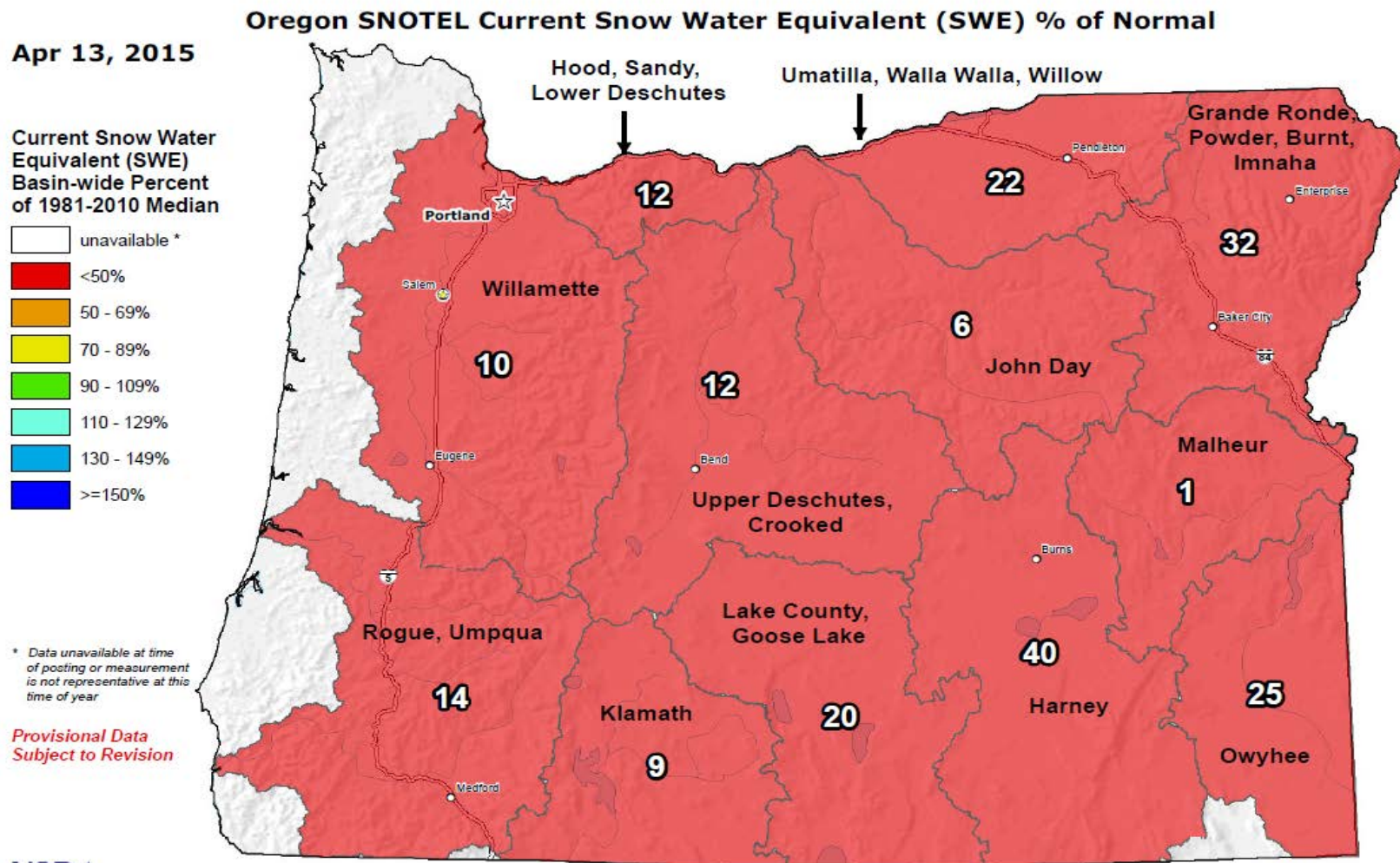
Number of Adults



Oregon Droughts

- County Drought Declarations
 - 1991 – 10 Counties (Middle and Southern Oregon)
 - 1992 – 33 Counties (most of Oregon)
 - 1994 – 11 Counties (Middle and Southern with two in the Willamette)
 - 2001 – 19 Counties (Middle and Southern Oregon)
 - 2002 – 6 Counties (Southern and Umatilla)
 - 2003 – 11 Counties (Middle and Southern Oregon)
 - 2004 – 4 Counties (Southeast Oregon)
 - 2005 – 13 Counties (Middle and Southern Oregon)
 - 2007 – 6 Counties (Southeast Oregon)
 - 2008 – 2 Counties (Middle of Oregon)
 - 2010 – 6 Counties (Middle and Southwest)
 - 2012 – 2 Counties (Klamath and Lake)
 - 2013 – 5 Counties (Southeast Oregon)
 - 2014 – 9 Counties (Southern Oregon)
 - 2015 – 36 Counties (All of Oregon)

Snow Water Equivalent % of



The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

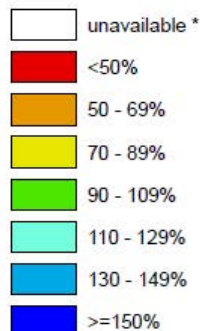
0 10 20 40 60 80 100 Miles

Prepared by:
USDA/NRCS National Water and Climate Center
Portland, Oregon
<http://www.wcc.nrcs.usda.gov>

Oregon SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal

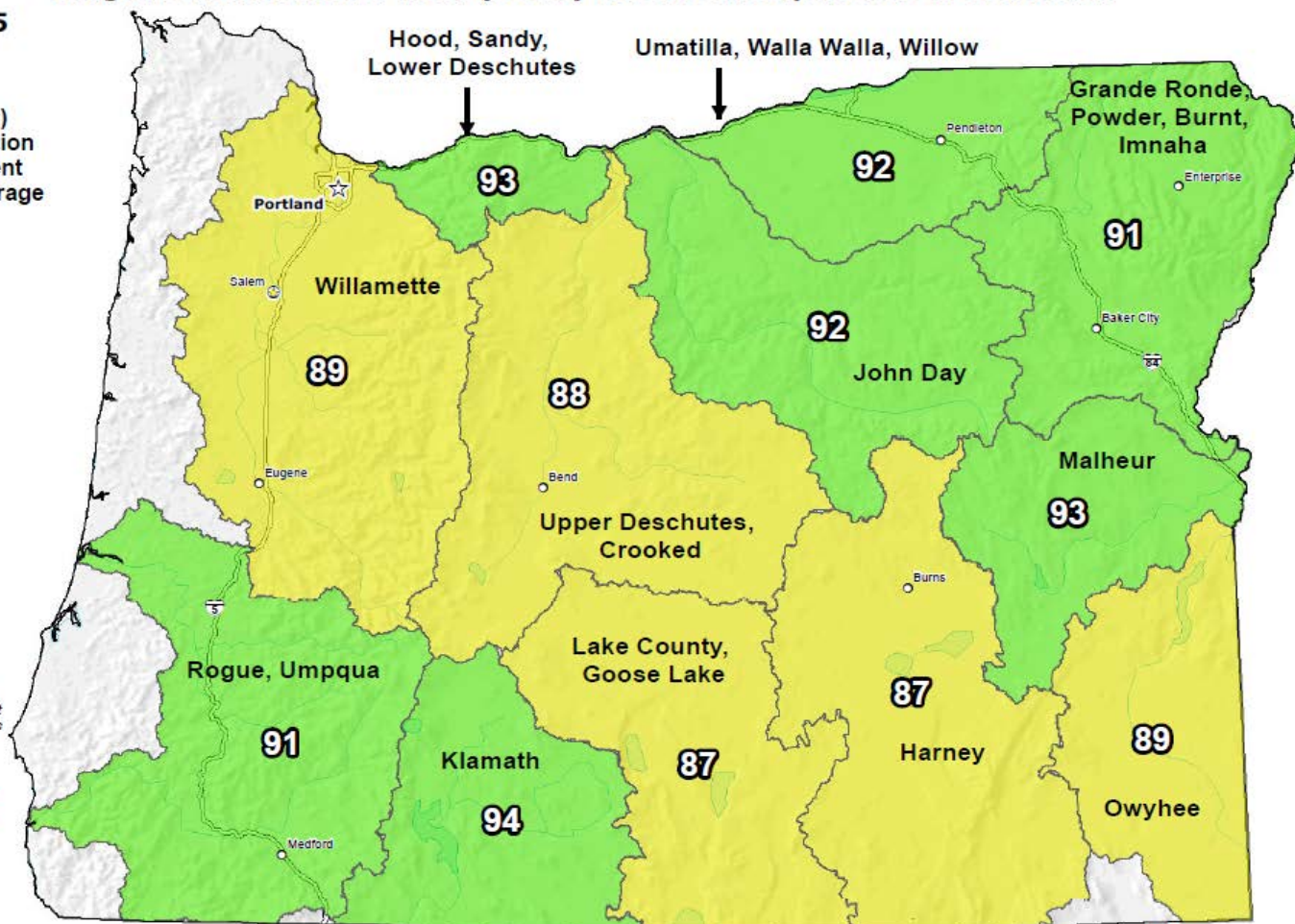
Apr 13, 2015

Water Year (Oct 1)
to Date Precipitation
Basin-wide Percent
of 1981-2010 Average



* Data unavailable at time
of posting or measurement
is not representative at this
time of year

*Provisional Data
Subject to Revision*



The water year to date precipitation percent of normal represents the accumulated precipitation found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

0 10 20 40 60 80 100 Miles

Prepared by:
USDA/NRCS National Water and Climate Center
Portland, Oregon
<http://www.wcc.nrcs.usda.gov>

2015 Drought Actions

- Hoot Owl closure July 18 -2 PM to 1 Hour before sunrise
- Some River segments closed completely
- Some streams fully closed
- Spring fed, high elevation, and tailwater not effected
- Curtailment lifted on September 1st when temperatures normalized.

Wild Steelhead Fisheries

- Currently have 9 wild harvest fisheries, 2 more proposed.
- Public generally supportive (>60%), although many stakeholders very opposed.
- Provides an array of fishing experiences, healthy populations with limited harvest, most without hatcheries (except Rogue, Chetco).
- Promote harvest of hatchery fish to protect wild fish?

Diversity of steelhead anglers

