

Washington State Hatchery System

Annual Update for Hatchery Reform Implementation

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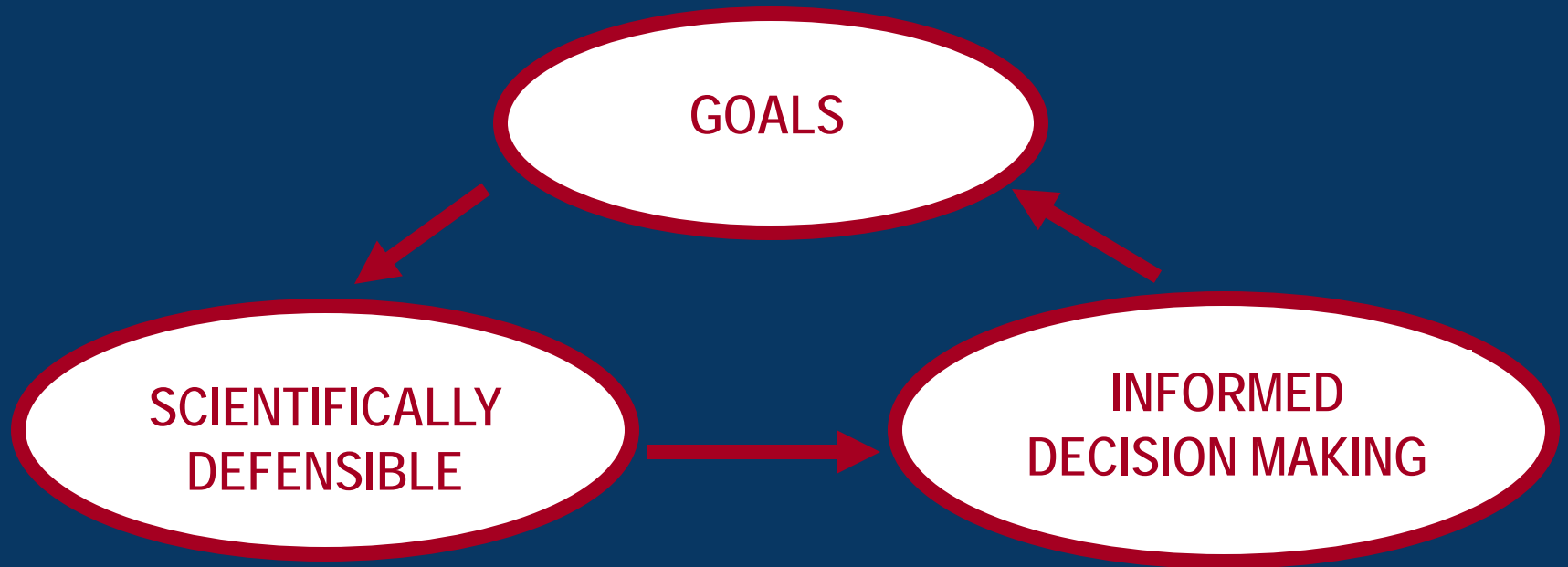
Key Points

1. Re-cap 2011 Presentations
2. Watershed Plans
3. Broodstock Management Standards
4. Environmental Standards
5. Summary
6. Objectives for 2013 -2014

Re-cap of Presentation in 2011

- Series of hatchery presentations in late 2010 and early 2011
 - Historical context and legal basis for Washington state hatchery system
 - Contemporary production and economic value
 - Federal ESA and implementation of hatchery reform
 - 45% of hatchery programs meeting Hatchery Scientific Review Group (HSRG) standards

Principles of Hatchery Reform



Fish and Wildlife Commission Hatchery and Fishery Reform Policy

“...to advance the conservation and recovery of wild salmon and steelhead by promoting and guiding the implementation of hatchery reform.”

- Use the principles, standards and recommendations of the HSRG
- Designate programs as Conservation or Harvest

Policy Guidelines

✓ Externally mark all fish produced for harvest

Develop watershed-specific plans to implement hatchery reform

Work toward goal of achieving HSRG broodstock management standards for all WDFW programs by 2015

Bring WDFW facilities into compliance with environmental standards

Status Update for 2011

- In 2011 focus was on Puget Sound
- Established Puget Sound Hatchery Action Advisory Committee (PSHAAC)
 - 9 citizens & 2 Washington HSRG advisors
 - Addressed salmon and steelhead in Puget Sound

<http://wdfw.wa.gov/hatcheries/pshaac/>



Puget Sound Hatchery Action Advisory Committee and HSRG advisors from left to right: **Lee Blankenship** (HSRG), **Frank Haw** (CCA), **Andrew Marks** (CCA) and **Frank Urabeck** (Sport Fish Advisor). Not pictured: **Norman Baker** (Sierra Club), **Dick Burge** (Wild Steelhead Coalition), **Nick Gyeski** (Wild Fish Conservancy), **Clint Muns** (Puget Sound Anglers -PSA, Recreational Fishing Alliance), **Michael Schmidt** (Long Live the Kings), **Al Senyohl** (Steelhead Trout Club), **Roger Urbaniak** (PSA), and **Andy Appleby** (HSRG).

PSHAAC Process

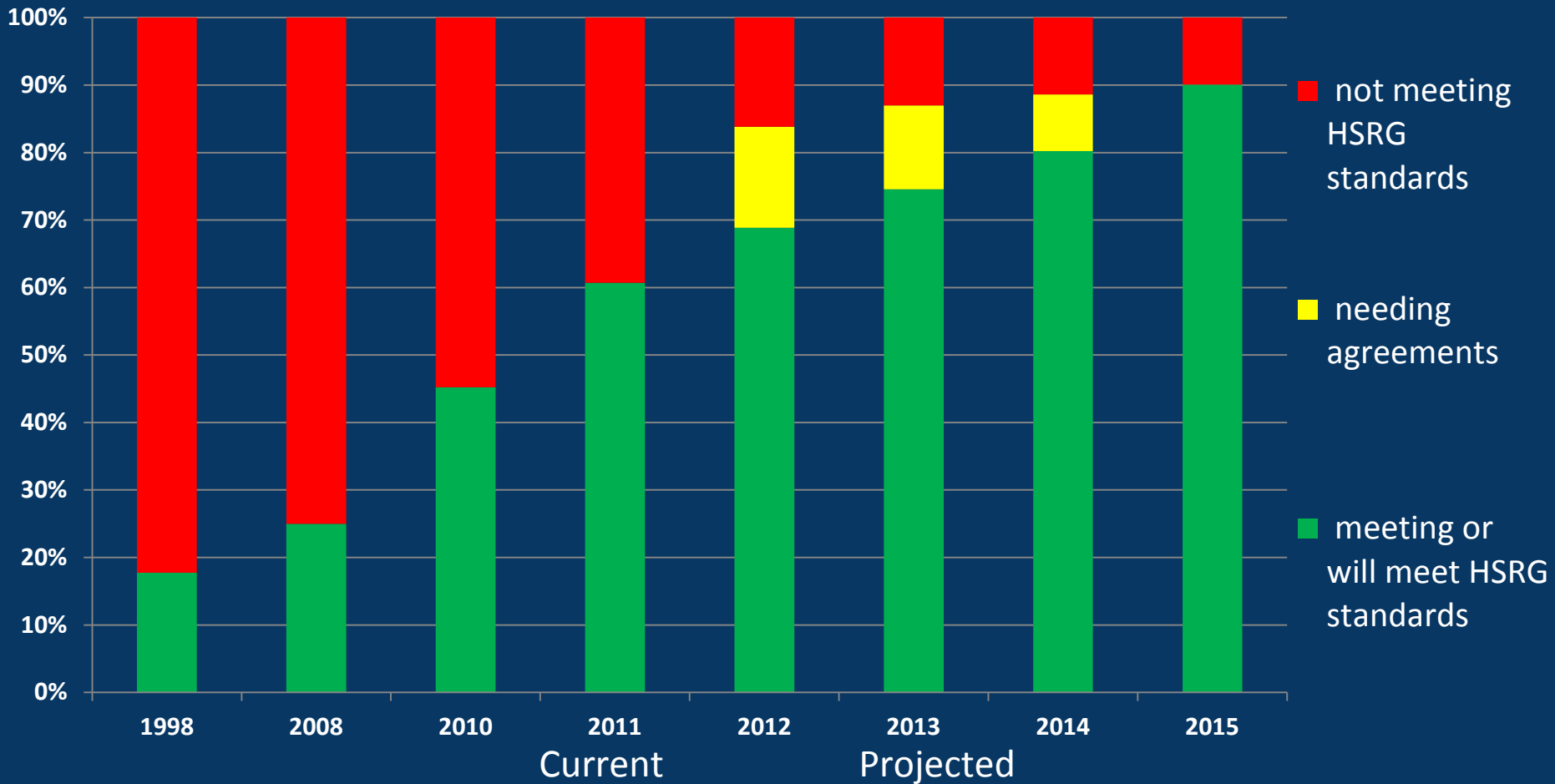
- Monthly workgroups held July 2011 through April of 2012
- Analyzed natural population status of all PS salmon and steelhead
- Analyzed performance and economic benefits of associated hatchery programs
- Recommended Wild Salmonid Management Zones (WSMZ)
- Recommendations are used in Hatchery program discussions with the tribal co-managers

Watershed Specific Permits & Plans

- Snake River fall Chinook ESA authorization via *US v. OR*
- Upper Columbia River – Methow Spring Chinook and steelhead
- Lower Columbia River segregated Mitchell Act Hatchery Genetic Management Plans (HGMP) out for public comment
- Elwha Chinook HGMP finalized, BiOp issued by NOAA Fisheries
- Initiated broodstock changes in 2011 that were developed in 2010

Implementation

WDFW Statewide Hatchery Broodstock Management Implementation



Achieve Environmental Standards by 2025

(21st Century Salmon and Steelhead Benchmark)

- Hatchery Reform Capital Projects Prioritized
 - 2011-2013 Capital Projects
 - \$40M for hatchery upgrades
 - \$15M Voights Creek Hatchery
 - \$4.7M Soos Creek Hatchery
 - Additional funding for passage, intakes, and pollution abatement
 - 2011-2012 Federal-funding request – Mitchell Act & PCSRF
 - Hatchery –related fish passage barriers – \$250K (100% funded)
 - Hatchery intakes (design and construct) – \$300K (100%funded)
 - Broodstock management – \$3.6 million (100% funded)

Summary

- Mass-marking of harvest production
 - 100% of coho and steelhead
 - >95% of Chinook mass-marked
- Broodstock Management
 - 2015 Target
 - 61% met standards in 2011
- Facilities-environmental compliance and adult handling
 - 2030 Target
 - \$40M in 2011-2013

Questions?

