



Chehalis Basin Aquatic Species Restoration Plan

October 5th, 2017

ASRP Development

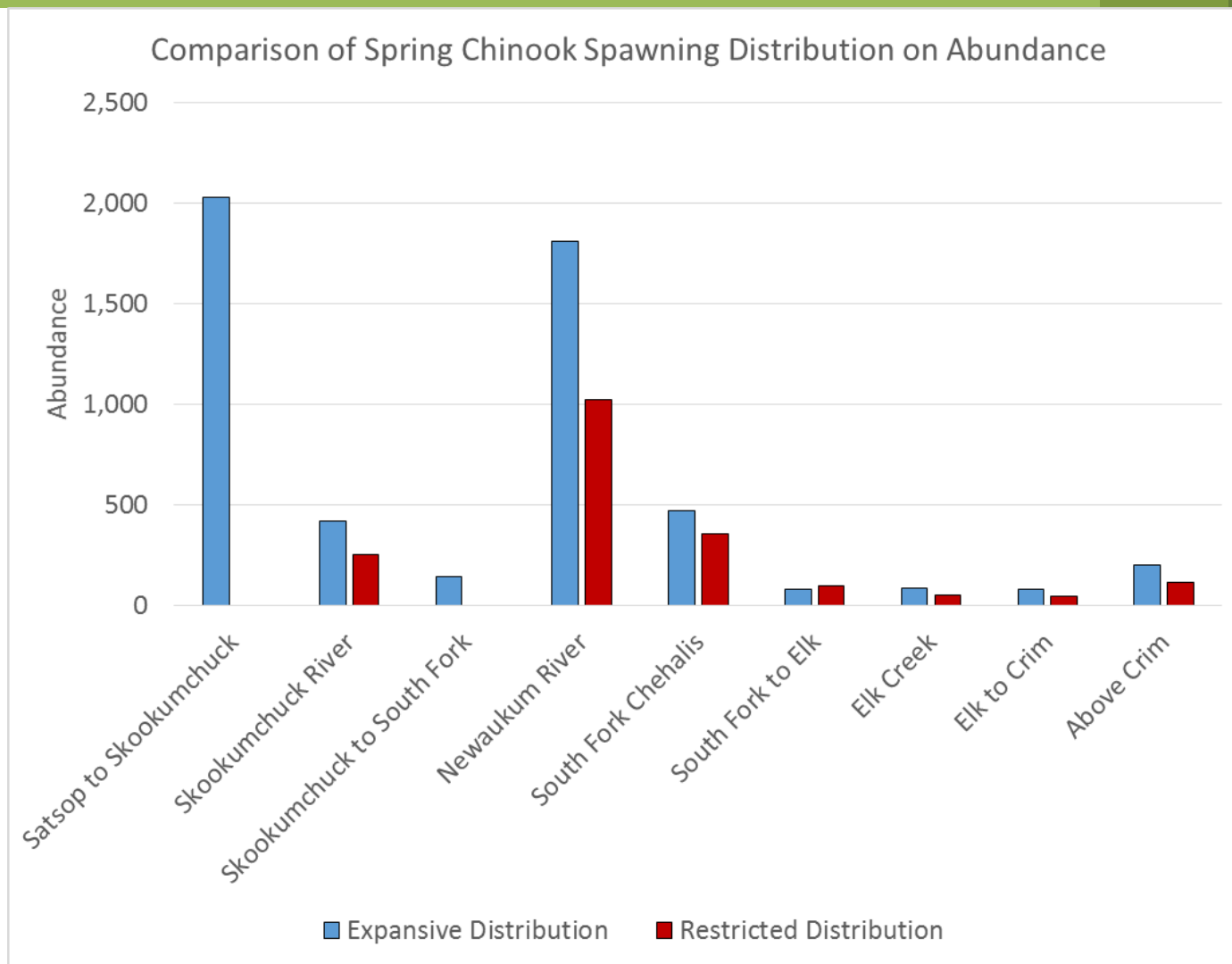
- Three phases of development:
 - Phase 1: November 30th, 2017
 - Draft plan for review by Chehalis Basin Board
 - Phase 2: Spring/Summer 2018
 - Draft plan for review by governing entities and key stakeholders
 - Phase 3: Winter 2018/2019
 - Draft plan released to public

Recent Developments

- Science and Review Team meeting twice a month
 - Revisions to spring Chinook spawning distribution
 - Adjustments to assumptions for managed forests
 - Modeling adjustments to help better align with climate change predictions
- Objectives and Strategies



Modeled Spring Chinook Spawning Distribution



Managed Forests



Climate Change

- Benefits in EDT are based on fully matured actions
- Some actions may take decades to fully mature
- Climate change effects will be happening in a shorter time frame – within 50 years
- Adjustments have been made to EDT to align with these climate change predictions



Objectives

- Salmon and Steelhead
- Other Native Aquatic Species
- Basin-Wide

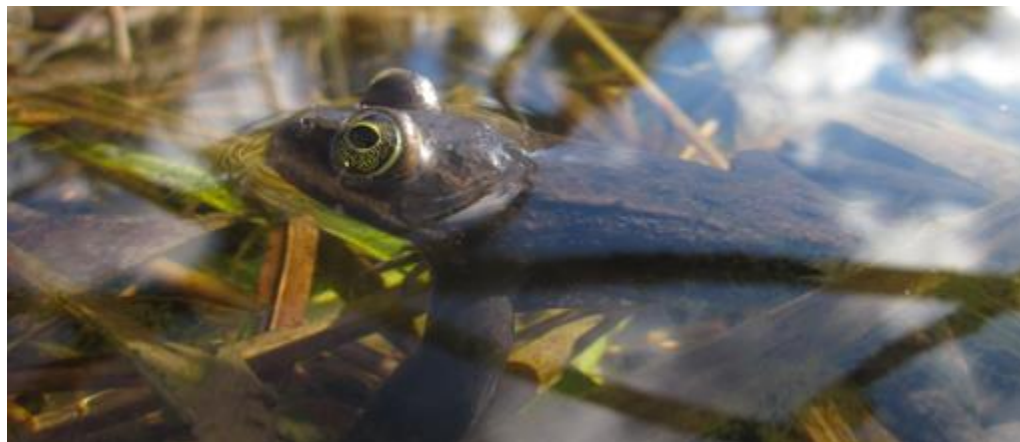


Salmon and Steelhead

Species	Anticipated Benefit
Coho	2.5x increase from current
Fall Chinook	1.5x increase from current
Spring Chinook	3.5x increase from current
Steelhead	2x increase from current
Chum	1.5x increase from current

Other Native Aquatic Species

- Guided by research and science
- Oregon Spotted Frog
 - Increase the number of OSF-occupied freshwater wetland by 10% through actions by the Chehalis Basin project within 10 years of implementing initial restoration efforts.



Basin-Wide Objectives

- Basin-wide habitat
- Community involvement
- Socio-economic



ASRP Strategies

1. Protect intact ecosystems, unique habitats, and strategic areas that support critical ecosystem functions and priority species.
2. Restore ecosystem functions to healthy and self-sustaining levels for the benefit of native aquatic and semi-aquatic species.
3. Effectively plan for current and future conditions in the Chehalis Basin.
4. Build institutional capacity for restoration, protection, and planning processes.
5. Engage landowners and the community to ensure a successful plan and support implementation of actions.

Relationship to Previous Work

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Relationship to Previous Work

- Phase 1 ASRP document
 - Important adjustments to spring Chinook spawning distribution, managed forest assumptions, and aligning results with climate change predictions
 - Technical consensus



ASRP Development

- Phase 1 document – *November 30th*
 - Expected benefits
 - Anticipated range of investment
 - Technical consensus
- Phase 2 document – *Spring/Summer 2018*
 - Reaches
 - Types of projects
 - Refinement of costs
 - Adaptive management
 - Phasing and planning for implementation

Next Steps

- Deadline for final draft of Phase 1: *November 30th*
- Remaining steps for the Steering Committee:
 - Updated results from EDT
 - Develop cost estimates and benefits for levels of restoration
 - Finalize objectives based on costs and benefits
 - Steering Committee makes recommendation on preferred level of restoration
 - Document drafting and editing – *happening concurrently*
- December/January: Board provides direction and feedback

Conclusion

- Phase 1 ASRP document by the end of November
 - Expected benefits
 - Anticipated level of investment
 - Technical consensus
- For the November 2nd meeting:
 - More detailed information on objectives, strategies, actions, and costs
 - Updated materials to review

