



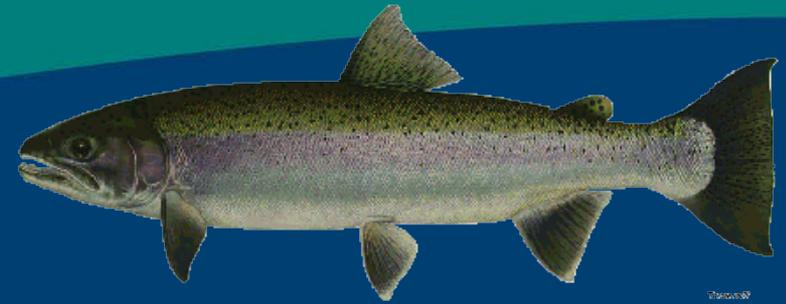
Science, Service, Stewardship



Draft NE Oregon Management Unit Plan

Snake River Coordination Group Meeting

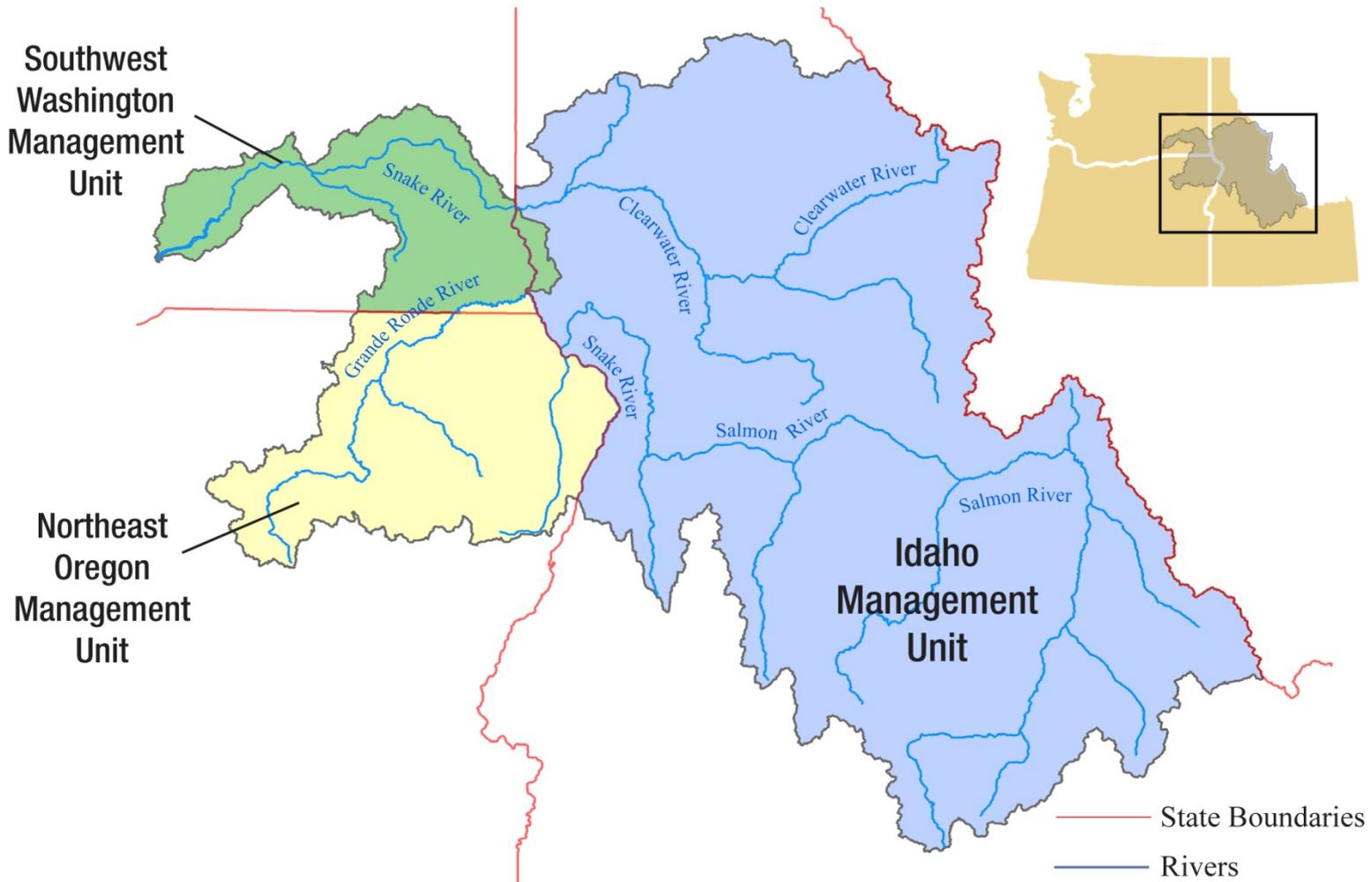
August 4, 2010



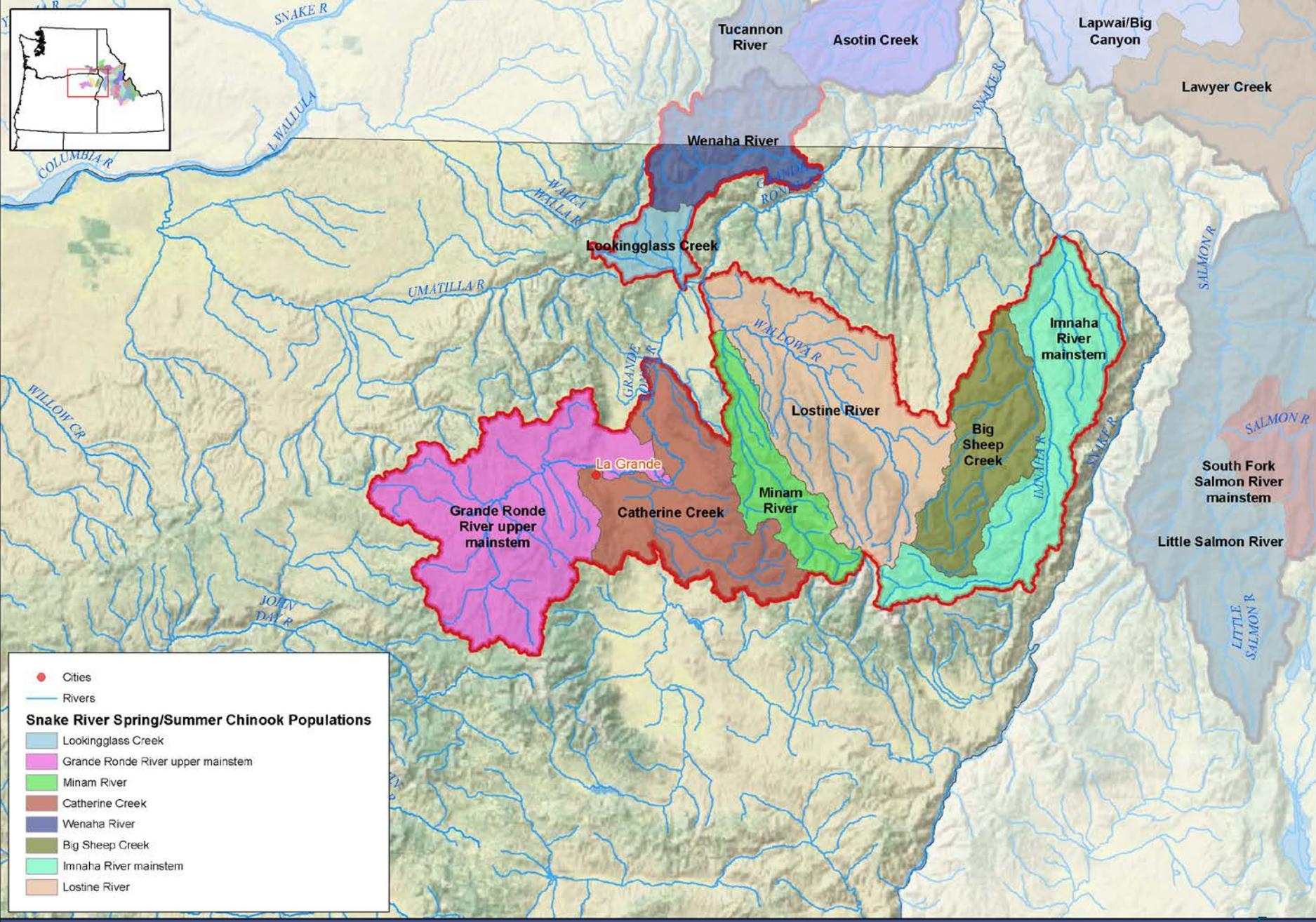
Topics

- Spring/summer chinook and steelhead
- Proposed goals, scope and criteria
- Limiting factors and threats
- Recovery strategies
- Previous work and new draft products
- Technical Team and Sounding Board
- Implementation and interdependencies

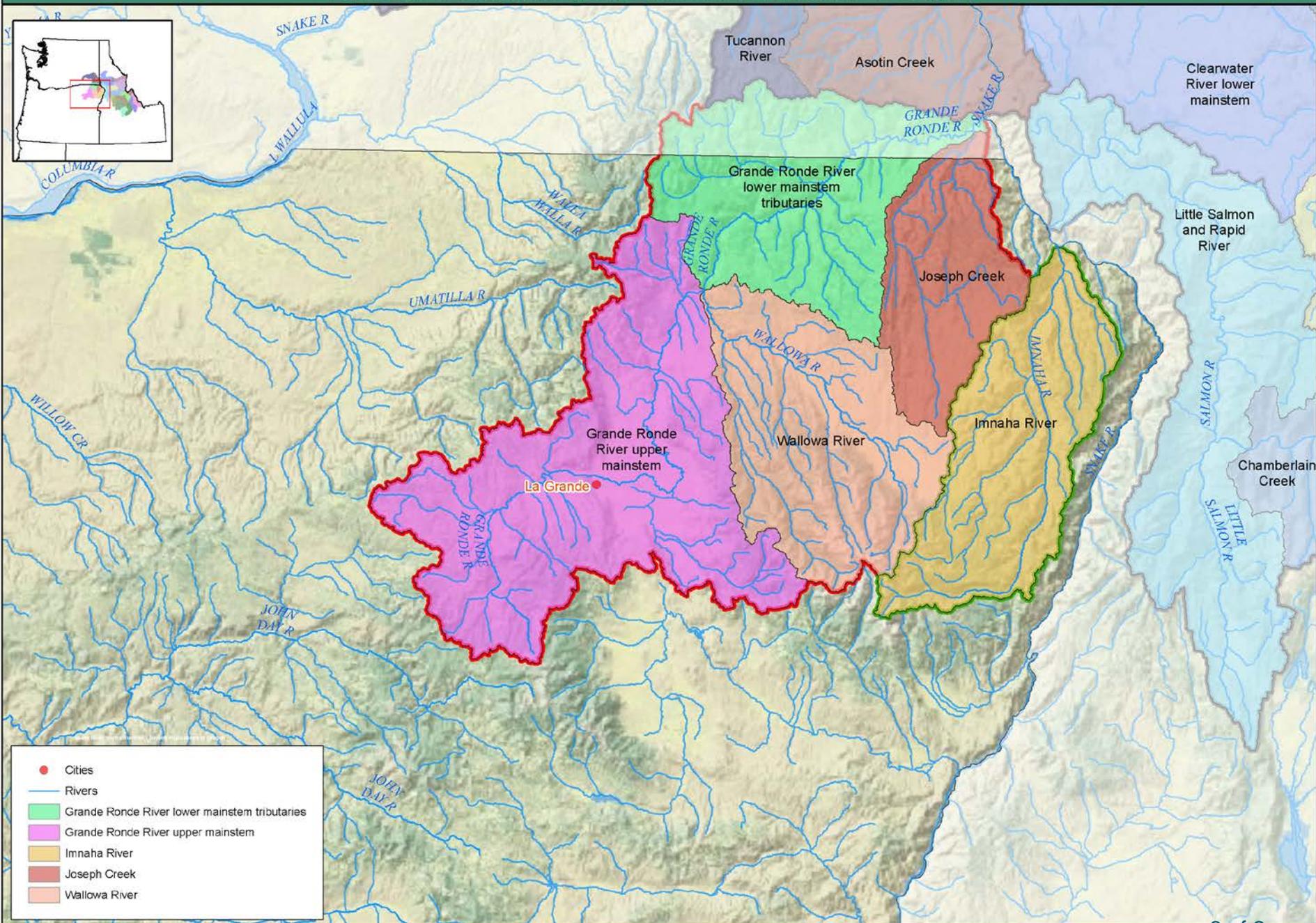
Snake River Recovery Plan Management Unit Boundaries

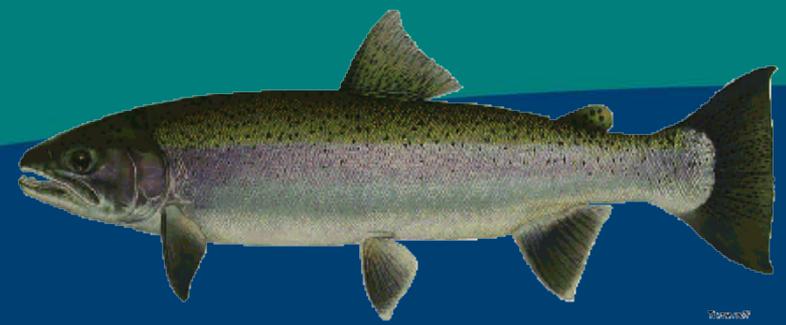


Snake River Spring/Summer Chinook Populations of Oregon



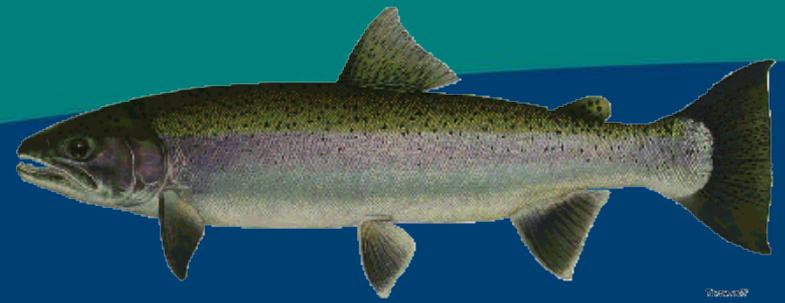
Snake River Summer/Winter Steelhead Populations of Oregon





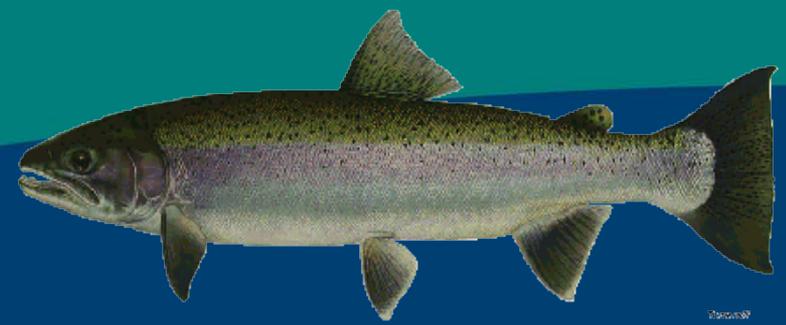
NE Oregon Snake River Management Unit Plan

- Goal: Consistent with ESA recovery plan requirements and Oregon's Native Fish Conservation Policy
- Scope: Address all threats and full life cycle
- Use ICTRT status assessment, biological viability criteria and MPG scenarios to meet criteria
- Broad sense recovery goals beyond delisting
- Delisting: ESU or DPS-level biological criteria and threats criteria in Snake River roll-up Plan



NMFS' Overall Goal for Salmon & Steelhead Viability

- All MPGs at viable (low risk) status
- Representation of all the major life history strategies historically present
- Representation of abundance, productivity, spatial structure & diversity attributes required for long-term persistence



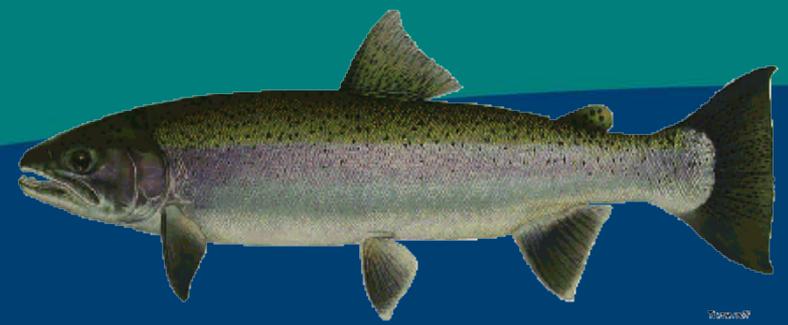
NE Oregon Snake River Management Unit Plan

Chapter 5: Limiting Factors and Threats

Tributary habitat: past and present land use

- reduced stream flows
- impaired water quality
- degraded channels and stream complexity
- loss of riparian vegetation
- reduced floodplain connectivity
- excessive fine sediments

Fishery: ocean, mainstem and tributary



NE Oregon Snake River Management Unit Plan

Chapter 5: Limiting Factors and Threats

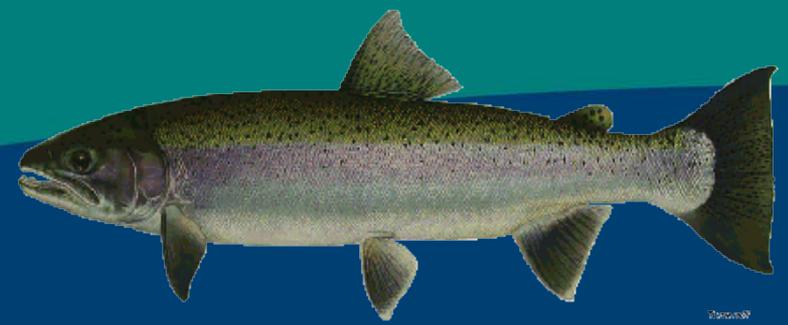
Hatcheries:

- Key and secondary factors identified by population

Mainstem Hydrosystem:

- Delayed upstream migration
- Direct and indirect juvenile mortality
- Alteration of hydrograph
- Depletion of historically available nutrients

Predation



NE Oregon Snake River Management Unit Plan

Chapter 6: Recovery Strategies

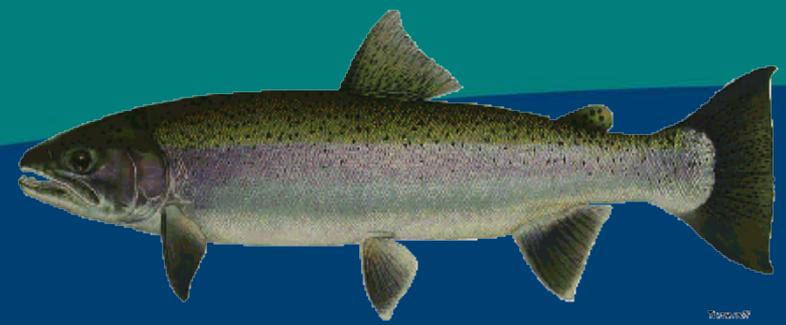
Introduction: conservation biology principles and ecological processes

Regional strategies: out-of-basin

Local strategies: tributaries

MPG level recovery scenarios

- recovery strategies for each population and “H”
- triggers and benchmarks related to abundance



NE Oregon Snake River Management Unit Plan

Chapter 6: Recovery Strategies Example

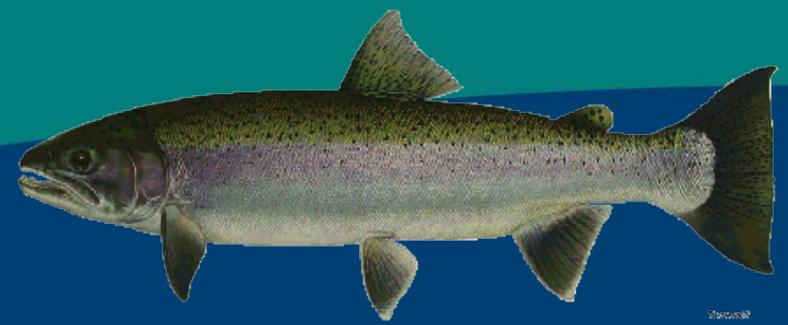
Habitat: Eight habitat strategies

Strategy 5: Restore riparian condition

Habitat table links actions to key parameters

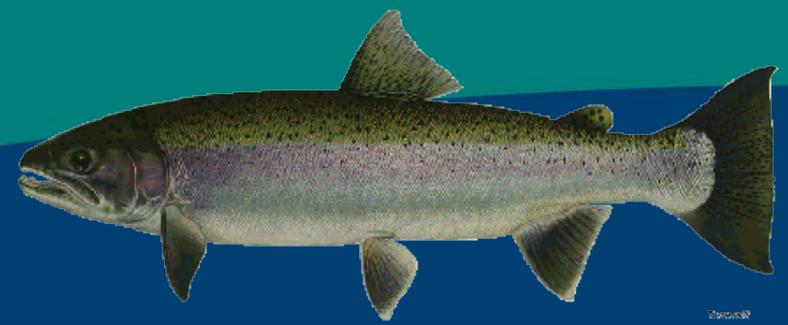
Location: Lower Grande Ronde River (RM 0-102)

Action: Develop approximately 60 off-channel livestock watering sites



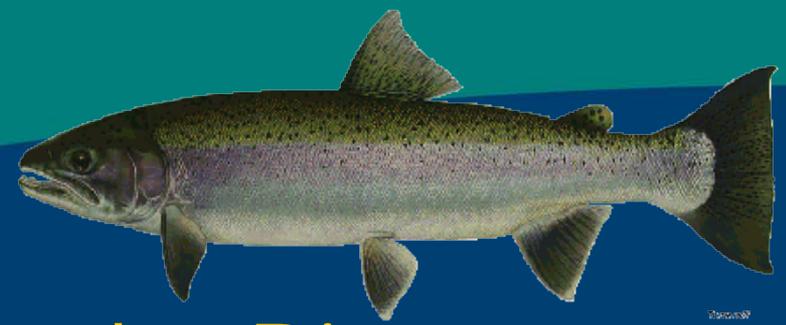
Research, Monitoring & Evaluation

- Status & Trend Monitoring
- Implementation & Compliance Monitoring
- Action Effectiveness Monitoring
- Research



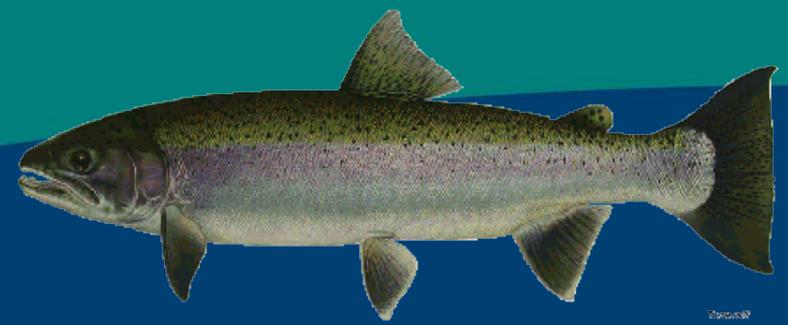
Interdependencies

- NE Oregon populations overlap into SE Washington: Wenaha River chinook, Lower G.R. and Joseph Creek steelhead
- Link with SE Washington: steelhead hatchery program at Cottonwood
- Fisheries in the mainstem: US v OR agreement
- Hydro system affects all MU species
- Managing strays from NE Oregon to help recover Mid-Columbia steelhead populations in Oregon



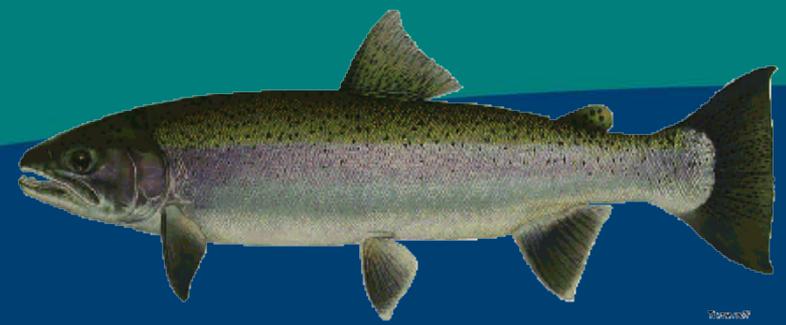
NE Oregon Snake River Management Unit Plan

- Background: NMFS La Grande Office had lead, with Grande Ronde Model Watershed, to produce draft 2008 Recovery Plan
- Used sub-basin plans and other information to write draft plan
- 2008 draft Recovery Plan has habitat focus
- Current effort to write recovery strategy, hatchery and fishery chapters, adaptive management and implementation
- Form Technical Team
- Expand Sounding Board with broader participation
- Link recovery strategies to HGMPs and FMEPs



NE Oregon Snake River Sounding Board

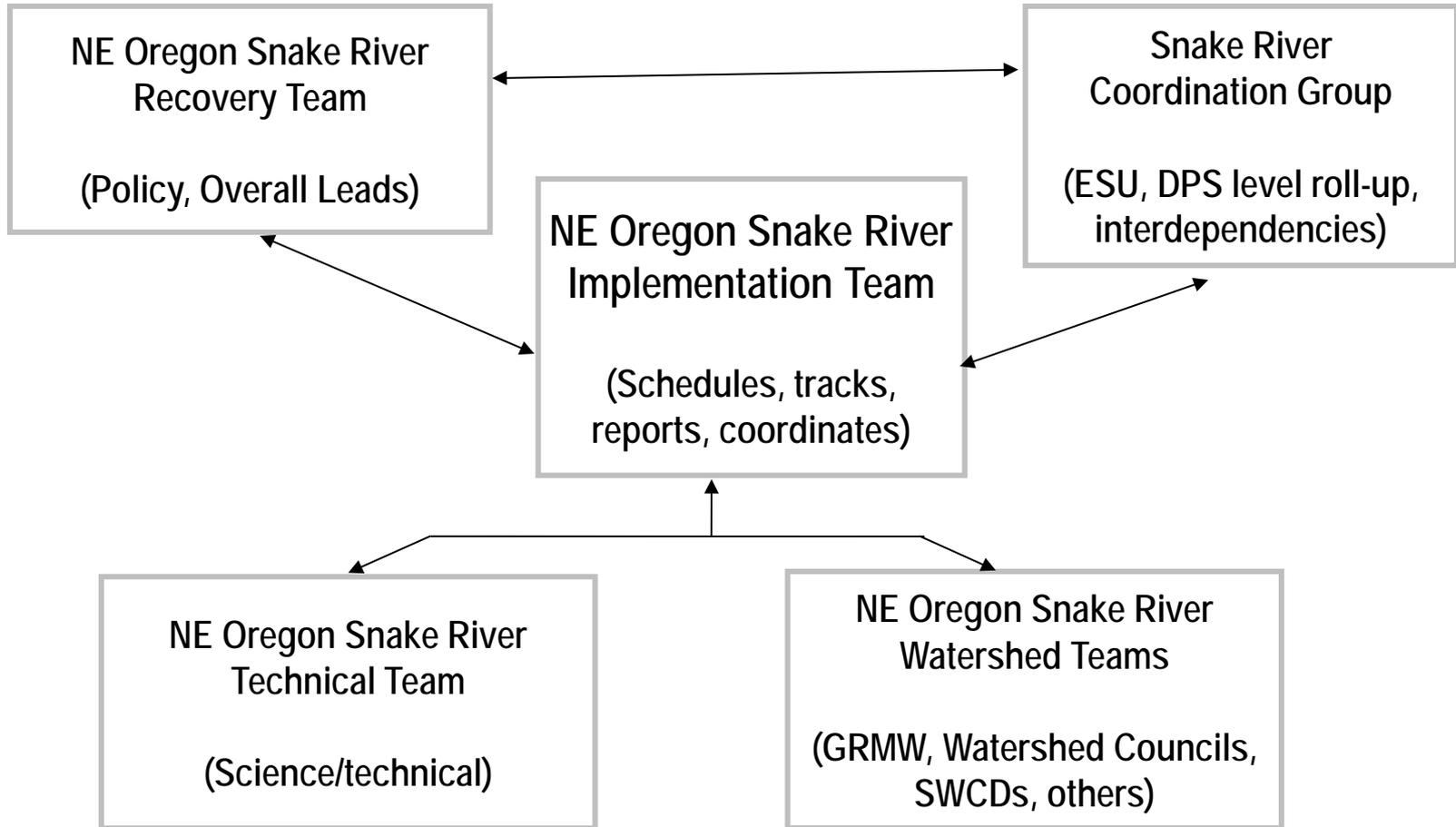
- Broad representation of stakeholders in the community, ODFW, tribes, elected officials, and interested parties
- Periodic meetings to review draft products
- Communicate with stakeholders on all aspects of Snake River recovery planning
- Meetings facilitated by Jeff Blackwood
- Define role for implementation

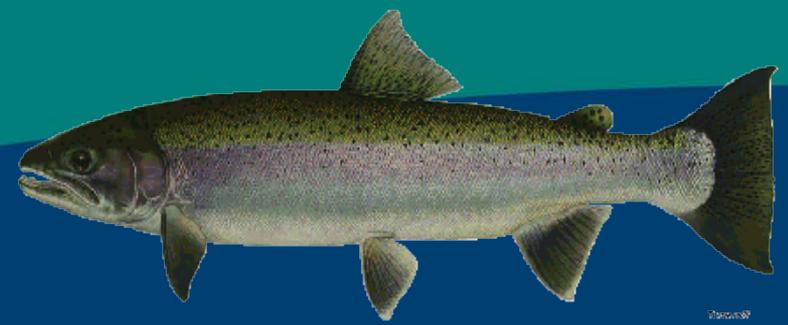


Implementation

- Identify how to best implement the NE Oregon Snake River Recovery Plan
- Identify roles and responsibilities
- Seek funding
- Track and report progress
- Adjust actions as needed
- Communicate

Proposed NE Oregon Snake River Recovery Plan Implementation Framework





Next Steps

- Complete revisions to draft hatchery and fishery chapters
- Update and revise habitat actions
- Complete draft RM&E chapter and review
- Finalize time and costs
- Update action effectiveness analysis
- Share draft chapters with Sounding Board