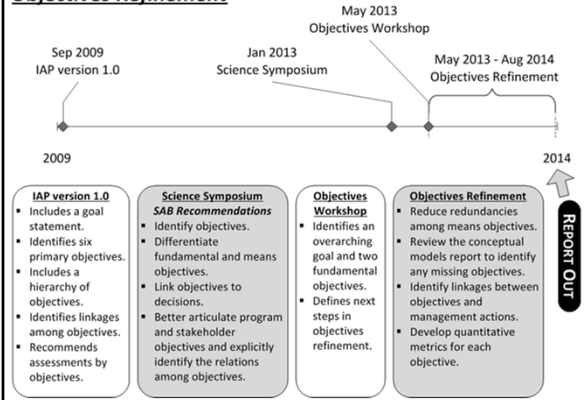


Objectives Refinement



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Program goals derive from these documents as well as other legislative and administrative actions. The IAP Steering Committee, a subcommittee of the Trinity Management Council, drafted the following Program goal statement, which both the TMC and TAMWG considered to be acceptable for purposes of guiding IAP development (though still under review by the TMC as an official Program goal):

The goal of the Program is to restore and sustain natural production of anadromous fish populations downstream of Lewiston Dam to pre-dam levels, to facilitate dependent tribal, commercial, and sport fisheries' full participation in the benefits of restoration via enhanced harvest opportunities. The Program strategy for accomplishing this goal restores and perpetually maintains fish and wildlife resources including threatened and endangered species by restoring the processes that produce a healthy alluvial river ecosystem. The above restoration strategy will be achieved by implementing management actions in a science-based adaptive management program.

The first sentence of the goal statement focuses on fish, and incorporates the language of fishery goals from such foundational documents as the Trinity River Basin Fish and Wildlife Management Act (1984) amended in 1996, Central Valley Project Improvement Act (1992), and the ROD.

The second sentence of the goal mentions both fish and wildlife, and very briefly describes the restoration strategy. Threatened and endangered species are mentioned to ensure compliance with the Endangered Species Act. The words on the restoration strategy (i.e., "restoring the processes that produce a healthy alluvial river ecosystem") are meant to concisely reflect the intent of the TRFE and ROD.

The third sentence of the goal statement reflects the commitment in the ROD, TRFE, and Implement. Plan to a science-based, adaptive environmental assessment and management program.

IAP: Goal Statement

2.2 Major program objectives

Building on the Program Goal and foundational documents, the authors of this IAP have developed the following broad objectives to guide assessments:

1. create and maintain spatially complex channel morphology;
2. increase/improve habitats for freshwater life stages of anadromous fish;
3. restore and maintain natural production of anadromous fish populations;
4. restore adult anadromous fish numbers to pre-TRD levels in order to facilitate dependent tribal, commercial, and sport fisheries full participation in the benefits of restoration via enhanced harvest opportunities;
5. establish and maintain riparian plant communities that support fish and wildlife; and
6. rehabilitate and protect wildlife habitats and maintain or enhance wildlife populations following implementation.

Each of these objectives is discussed in sub-sections of Chapter 3.

IAP: Primary Objectives

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Table 2.1. Three levels of IAP objectives. Level 1 and 2 objectives form the sub-sections of Chapter 3 (e.g., Level 1 Objective 1 is described in Section 3.1, Level 2 Objective 1.1 is described in Section 3.1.1). More specific objectives are outlined in Chapter 3, though further refinement of objectives is still required. The provision shows the rightmost column are relative priorities **within** each Level 1 Objective, not across all Level 1 Objectives. Cross-domain prioritization is described in Section 2.4 and Appendix H.

Level 1 Objectives	Level 2 Objectives	Level 3 Objectives	Priority of Objectives (A-D)
1. Create and maintain spatially complex channel morphology	1.1. Increase physical habitat diversity and availability in active flow habitat objectives 1.2. Increase physical habitat diversity and availability in passive flow habitat objectives 1.3. Increase channel sediment transport and channel dynamics	1.1.1.1. Increase channel width, frequency and topographic relief of bed and bank exposures 1.1.2. Increase channel maintenance frequency 1.1.3. Increase channel bank stability 1.1.4. Increase channel bank stability 1.1.5. Increase channel bank stability 1.1.6. Increase channel bank stability 1.1.7. Increase channel bank stability 1.1.8. Increase channel bank stability 1.1.9. Increase channel bank stability 1.1.10. Increase channel bank stability 1.1.11. Increase channel bank stability 1.1.12. Increase channel bank stability 1.1.13. Increase channel bank stability 1.1.14. Increase channel bank stability 1.1.15. Increase channel bank stability 1.1.16. 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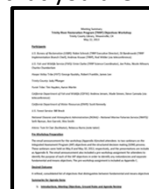
Science Symposium SAB Recommendations

- Better articulate program and stakeholder objectives and explicitly identify the relations among objectives.
- Integrate workgroup activities to better achieve specific Programmatic objectives.

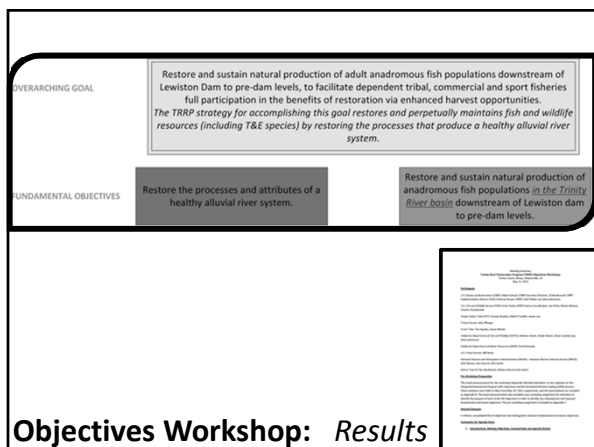


Terminology

- The overarching goal is the common aspired to condition (or condition to aspire to), that unifies all stakeholders regardless of the ways they would choose to achieve that goal.
- A fundamental objective is an end that you are trying to achieve.
- A means objective is a way of achieving an end or fundamental objective.



Objectives Workshop: Terms



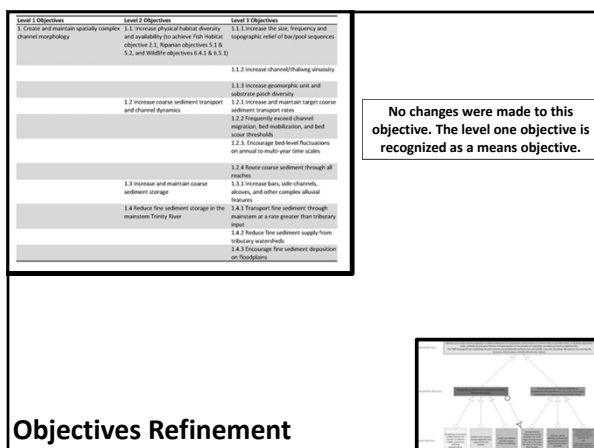
Objectives Workshop: Results

Objectives Refinement

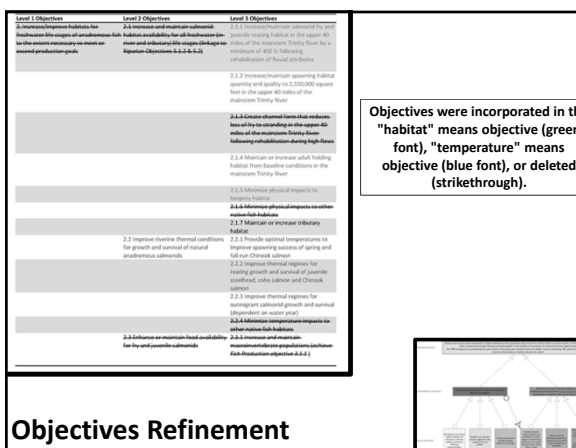
- Reduce redundancies among means objectives.
- Review the conceptual models report to identify any missing objectives.
- Identify linkages between objectives and management actions.
- Develop quantitative metrics for each objective.



Objectives Workshop: Next Steps



Objectives Refinement



Objectives Refinement

8. Reduce and sustain natural production of carbon sequestration for production of wood products for construction 9. Increase natural carbon sequestration in the forest sector to meet or exceed ecosystem objectives and facilitate expanded harvest opportunity	4.1 Increase natural carbon sequestration in the forest sector to meet or exceed ecosystem objectives and facilitate expanded harvest opportunity 4.2 Increase natural carbon sequestration in the forest sector to meet or exceed ecosystem objectives and facilitate expanded harvest opportunity 4.3 Increase natural carbon sequestration in the forest sector to meet or exceed ecosystem objectives and facilitate expanded harvest opportunity 4.4 Increase natural carbon sequestration in the forest sector to meet or exceed ecosystem objectives and facilitate expanded harvest opportunity 4.5 Increase natural carbon sequestration in the forest sector to meet or exceed ecosystem objectives and facilitate expanded harvest opportunity 4.6 Increase natural carbon sequestration in the forest sector to meet or exceed ecosystem objectives and facilitate expanded harvest opportunity	5.1 Increase ecosystem of natural production for forest carbon sequestration in the forest sector to meet or exceed ecosystem objectives and facilitate expanded harvest opportunity 5.2 Increase ecosystem of natural production for forest carbon sequestration in the forest sector to meet or exceed ecosystem objectives and facilitate expanded harvest opportunity 5.3 Increase ecosystem of natural production for forest carbon sequestration in the forest sector to meet or exceed ecosystem objectives and facilitate expanded harvest opportunity 5.4 Increase ecosystem of natural production for forest carbon sequestration in the forest sector to meet or exceed ecosystem objectives and facilitate expanded harvest opportunity 5.5 Increase ecosystem of natural production for forest carbon sequestration in the forest sector to meet or exceed ecosystem objectives and facilitate expanded harvest opportunity 5.6 Increase ecosystem of natural production for forest carbon sequestration in the forest sector to meet or exceed ecosystem objectives and facilitate expanded harvest opportunity
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Objectives in this suite are "outcome" based. They support the overarching goal.

Objectives Refinement

Level 1 Objective	Level 1 Objective	Level 1 Objective
5. Establish and maintain riparian vegetation that supports fish and wildlife	5.1 Promote diverse native riparian vegetation on different geomorphic surfaces that contribute to complex channel morphology of high quality aquatic and terrestrial habitat (Achieve Fish Habitat objective 3, Risk Reduction objective 3.1, and Wildlife objective 6.2)	5.1.1 Increase species, structural, and age diversity of riparian vegetation to improve and maintain wildlife habitat
	5.1.2 Encourage establishment of riparian species on banks within the known channel/vegetation corridor that will remain 180°	
	5.1.3 Encourage establishment of vegetation that provides habitat for anadromous fish, aquatic organisms and aquatic riparian wildlife	
5.2 Promote riparian vegetation from exceeding thresholds leading to encroachment that simplifies channel morphology and degrades aquatic habitat quality (Achieve Fish Habitat objective 2.1, Wildlife Objective 6.2 & 6.4)	5.2.1 Manage flows, ensure sediment augmentation, and channel rehabilitation that meet sediment augmentation plan mortality along low water margins to prevent channel simplification leading to degraded fish habitat	
5.3 Increase riparian vegetation area equal or greater than disturbed by physical rehabilitation (Achieve Wildlife Objective 6.3)	no level 3 objective required, as level 2 objective is sufficiently specific	

No changes were made to this objective. The level one objective is recognized as a means objective.

Objectives Refinement

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graph TD
    A[Overall Project Objectives] --> B[Channel Objectives]
    A --> C[Riparian Objectives]
    B --> D[Channel Morphology Objectives]
    B --> E[Channel Stability Objectives]
    C --> F[Riparian Vegetation Objectives]
    C --> G[Riparian Wildlife Objectives]
    D --> H1[1. Establish and maintain channel morphology that supports fish and wildlife]
    D --> H2[2. Promote channel morphology from exceeding thresholds leading to encroachment that simplifies channel morphology and degrades aquatic habitat quality]
    D --> H3[3. Increase channel morphology area equal or greater than disturbed by physical rehabilitation]
    E --> I1[4. Establish and maintain channel stability that supports fish and wildlife]
    E --> I2[5. Promote channel stability from exceeding thresholds leading to channel simplification and degradation of aquatic habitat quality]
    E --> I3[6. Increase channel stability area equal or greater than disturbed by physical rehabilitation]
    F --> J1[7. Establish and maintain riparian vegetation that supports fish and wildlife]
    F --> J2[8. Promote riparian vegetation from exceeding thresholds leading to encroachment that simplifies channel morphology and degrades aquatic habitat quality]
    F --> J3[9. Increase riparian vegetation area equal or greater than disturbed by physical rehabilitation]
    G --> K1[10. Establish and maintain riparian wildlife habitat that supports fish and wildlife]
    G --> K2[11. Promote riparian wildlife habitat from exceeding thresholds leading to channel simplification and degradation of aquatic habitat quality]
    G --> K3[12. Increase riparian wildlife habitat area equal or greater than disturbed by physical rehabilitation]
  
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Level 1 Objectives	Level 2 Objectives	Level 3 Objectives
6.6 Address both present and future threats to marine and estuarine wildlife and populations following information gathering	6.1.1 Maintain Twenty-Two native bird populations and species diversity in the Puget area	6.1.1 Enhance quality and maintain quantity of marine bird nesting and foraging habitats (linkage to Puget objective 3.2)
	6.2.1 Maintain Twenty-Two native bird populations and species diversity in the Puget area	6.2.1 Enhance quality and maintain quantity of marine bird nesting and foraging habitats (linkage to Puget objective 3.1, Fish Production objectives 3.2.1 & 3.2.2 and Puget objectives 5.1.8 & 5.1.9)
	6.3 Minimize impacts of marine bird predation on by and seals	6.3.1 Adapt timing of fisheries release to allow distribution of marine predators and minimize predation on released by and seals (linkage Fish Production objective 3.3.1)
	6.4 Increase population size, survival, distribution, and recruitment success of Puget yellow-legged fring (PLY)	6.4.1 Increase population size, survival, distribution, and recruitment success of Puget yellow-legged fring
	6.5 Increase quality and quantity of breeding and rearing habitat for Puget yellow-legged fring (linkage to Puget objectives 5.1.8 & 5.1.9)	6.5.1 Increase quality and quantity of breeding and rearing habitat for Puget yellow-legged fring (linkage to Puget objectives 5.1.8 & 5.1.9)
	6.6 Increase population size, survival, distribution, and recruitment success of Western Pond Turtle (WPT)	6.6.1 Increase population size, survival, distribution, and recruitment success of Western Pond Turtle
		6.6.2 Increase structural and thermal diversity of aquatic habitats used by western pond turtles (linkage to Puget objective 5.1.8 & 5.1.9)
		6.6.3 Increase recruitment of younger age classes of Western Pond Turtle
	6.6 Minimize adverse impacts to additional rather objective or aquatic resource wildlife from Puget activities, focus on wildlife species associated with a healthy river ecosystem, not necessarily all species	6.6.4 Discourage poissor species

No changes were made to this objective. The level one objective is recognized as a means objective.

Objectives Refinement

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graph TD
    OR[Objectives Refinement] --> O[Objectives]
    O --> MO[Means Objectives]
    MO --> MO2[Means Objectives]
    MO2 --> MO3[Means Objectives]
    
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RESEARCH GOAL

Restore and sustain natural production of adult anadromous fish populations downstream of Lewiston Dam to pre-dam levels, to facilitate dependent tribal, commercial and sport fisheries full participation in the benefits of restoration via enhanced harvest opportunities.

The TRB's strategy for accomplishing this goal restores and perpetually maintains fish and wildlife resources (including T&E species) by restoring the processes that produce a healthy alluvial river system.

FUNDAMENTAL OBJECTIVES

- Restore the processes and attributes of a healthy alluvial river system.
- Restore and sustain natural production of anadromous fish populations in the Frisky River basin downstream of Lewiston dam to pre-dam levels.

BASIC OBJECTIVES

- Rehabilitate and protect wildlife habitat and maintain or enhance wildlife populations following implementation.
- Establish and maintain riparian vegetation that supports fish and wildlife.
- Create and maintain spatially complex channel morphology.
- Increase physical habitat diversity and availability for all life stages of anadromous salmonids in the upper 40 miles of the Frisky River to meet fundamental objectives.
- Improve riverine thermal conditions for growth and survival of natural anadromous salmonids.
- Minimize impacts of production, management and harvest restrictions between and among fishery and non-fishery stakeholders.
- Alter timing of harvest pressure on the distribution of river producers and minimize degradation on riparian life and quality.

Objectives Refinement

[illegible]

3