



## "Phase I Review" Trinity River Restoration Program (TRRP)

### Planning and Guidance Document

Date: 9-12-11

#### Purpose:

Scientific review and assessment of the initial phase of implementation activities in reference to TRRP's foundational documents (i.e. Flow Evaluation Study and the Record of Decision); evaluate the channel rehabilitation projects and gravel augmentation program implemented from 2005 through 2010; develop a review document to serve as a foundation and direction for the second phase of implementation.

#### Background:

Since 2005 the TRRP has been implementing rehabilitation projects along the 40 mile reach downstream of the Lewiston Dam. At the end of 2010, the TRRP completed approximately half of the 47 identified channel rehabilitation sites, thus completing the initial "Phase I" implementation activities. In December 2010 the Trinity Management Council (TMC) determined the need to undergo a scientific review to assess and evaluate the effectiveness of design, channel rehabilitation, and other implementation actions by the program.

#### Goal and Objective:

To conduct a comprehensive system wide scientific assessment and review of the initial phase of implementation within the 40 mile project reach of the Trinity River including mechanical channel rehabilitation, coarse sediment augmentation, and flow management activities. The Phase I Review, scientific assessment shall be formulated and designed by the TRRP Science Advisory Board (SAB) in collaboration with the TRRP Partners and TMC. The review will be carried out by the SAB along with an independent contractor support team, and an external review panel. The final product will be a "Phase I Review" – advisory document produced by the SAB.

#### Roles and Responsibilities:

##### *Scientific Advisory Board (SAB):*

- Formulate and design the Phase I Review scientific assessment scope; Oversee the review process using technical services performed by an independent contractor support team; Advise the support contractor on the types of evaluation and analysis services that are needed; Address comments and recommendations throughout the process by the TRRP partners. Manage an external review panel of experts reviewing the findings document; Produce a final advisory document that will synthesize and inform the restoration program based on recommendations from the external review panel.

##### *Independent Support Contractor:*

- Provide technical assistance to the SAB with evaluation and analysis necessary to support the Phase I review; Contractor will be "on-call" and provide task based technical services as determined necessary by the SAB in coordination with the TRRP Partners; Address comments on draft deliverables from TRRP partners throughout the process, develop an evaluation and analysis findings document and deliver to the SAB and the external review panel.

##### *External Review Panel:*

- Conduct an external review of the findings document that is developed by the SAB's support contractor; Provide review recommendations to the SAB for consideration. External panel will be made up of various outside experts selected based on input from SAB and TRRP Partners.

##### *TRRP - Program office:*

- Coordinate and assist the SAB, support contractor, and external review panel with the scientific review and assessment by providing background information, existing data/reports, and program support; Facilitate the

input process between the SAB, support contractor, external review panel, and TRRP partners throughout the Phase I review project; Provide contracting oversight and management of the SAB support contractor and external review panel; Review and comment on deliverables from the SAB's support contractor;

*TRRP –Partners, TAMWG, Workgroups, and Teams*

- Provide comments to the SAB on the Phase I review scope; Assist in providing SAB and support contractor with background information, existing data/reports, and other information; Review and comment on deliverables from the SAB's support contractor; develop parallel scientific assessments as determined necessary.

*TRRP - Trinity Management Council (TMC):*

- Approve final Phase I Review scope developed by SAB and reviewed by TRRP partners; Evaluate, respond to, and act on scientific review findings and advisory documents by the SAB and support contractor.

Support Contract:

Evaluation and Analysis support services will be competed between four contractors using the existing Bureau of Reclamation River Restoration ID/IQ contract through the Pacific Northwest (PN) region. The contract vehicle being used is an "On-Call" Blanket Purchase Agreement (BPA) that allows ultimate flexibility for technical services and task based support. In order for the selected contractor to incur costs and perform work a "Call Order" will be placed that initiates the process. Each "Call Order" process begins once a specific Scope of Work (SOW) is developed and approved by the SAB and TRRP partners. Once the SOW is developed with a timeline and deliverables, and contractor will respond with a Work Plan detailing out their approach, team composition, and cost. The BPA allows for as many "Call-Orders" as necessary up to, but not to exceed \$400,000 in services. The contractor will be selected and contract awarded by September 30<sup>th</sup>, 2011. The four contractors on the PN Regions ID/IQ contract that will be competing for the "On-Call" BPA are: HDR, CH2M HILL, ICF/Jones & Stokes, Anchor QEA.

External Review Panel:

Panel will be made up of various outside experts selected based on input/suggestions from SAB and TRRP Partners. External review panel will be a multi-disciplinary/multi-organizational review team that will be assembled and directed by SAB. Panel may be comprised of academic, government, or private entities as determined by SAB. The main purpose of the external review panel is to review the evaluation and analysis findings document developed the SAB support contractor.

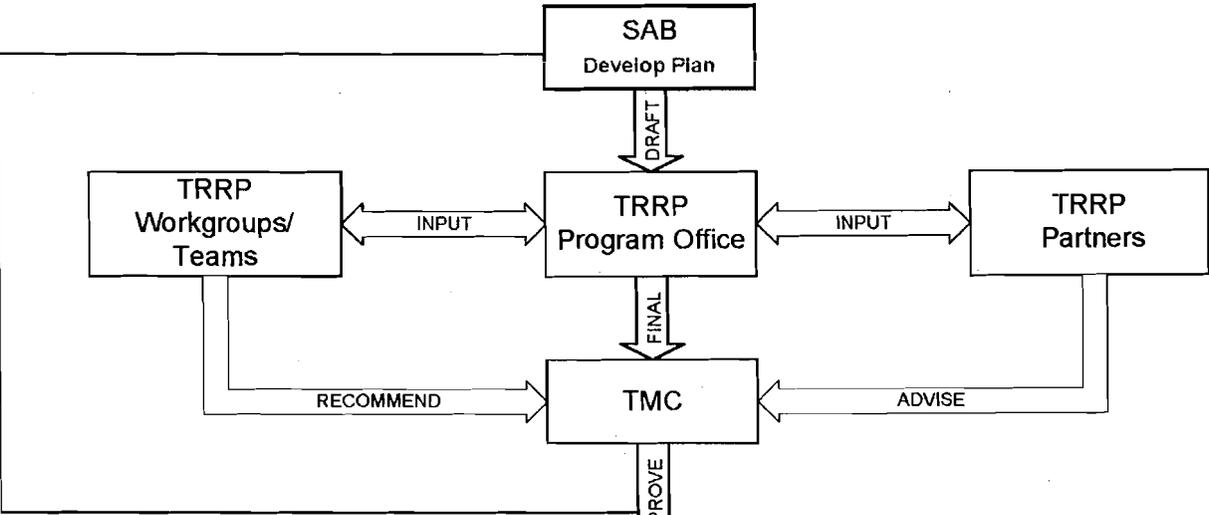
Proposed Timeline/Milestones (Phase 1 Review Process)

*Overall Phase I Review Process: **September 2011 through July 2012** (Note: Dates are approximate)*

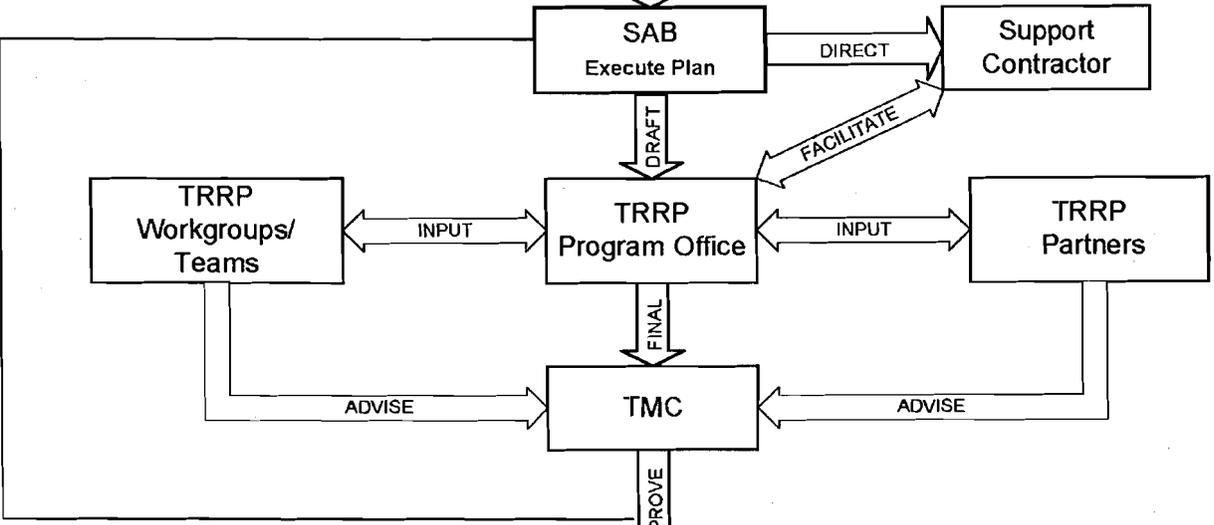
1. Independent support contract is awarded – September 25
2. SAB formulates/designs a draft scope for the "Phase I Review" – September 30
3. Initial background/foundational documents and data is provided to support contractor – October 1
4. Draft scope is reviewed by TRRP Partners and support contractor – October 15
5. SAB addresses comments and produces final scope – October 30
6. TMC reviews/approves SAB final scope – November 15
7. Kick-Off meeting with TRRP, SAB, and support contractor – November 30
8. Support contractor develops a work-plan based on the SAB scope – December 15
9. TRRP partners provide review of support contractor's work-plan – December 30
10. Support contractor executes Phase I Review with SAB oversight/direction – January through April
11. SAB selects external review panel with suggestions from TRRP Partners – January
12. TRRP program office assembles and develops contract for external review panel - January
13. Support contractor develops draft findings document for TRRP partners to review – May 1
14. TRRP partners provide comments on draft deliverables – May 15
15. Support contractor finalizes findings document for SAB – June 1
16. External review panel conducts formal review of finding document in coordination with SAB – June 15
17. External review panel makes formal recommendations to SAB – July 1
18. SAB develops advisory document that synthesizes recommendations and informs TRRP program – July 30

Phase I Review – Work Flow Diagram

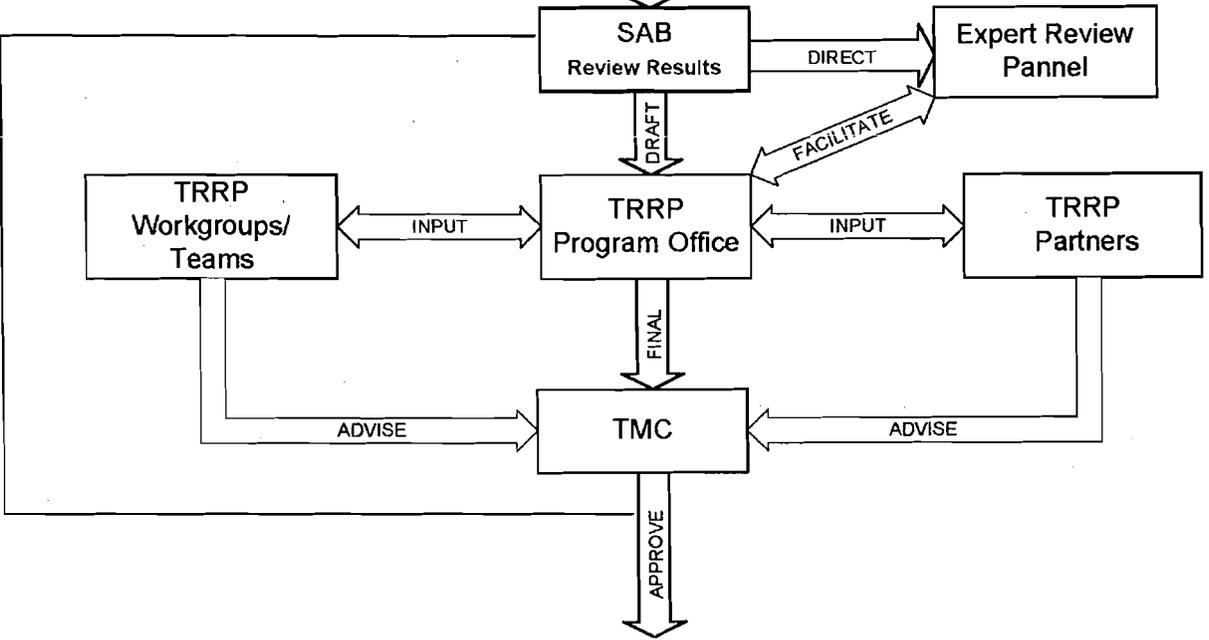
Planning Phase (Oct. – Nov. 2011)



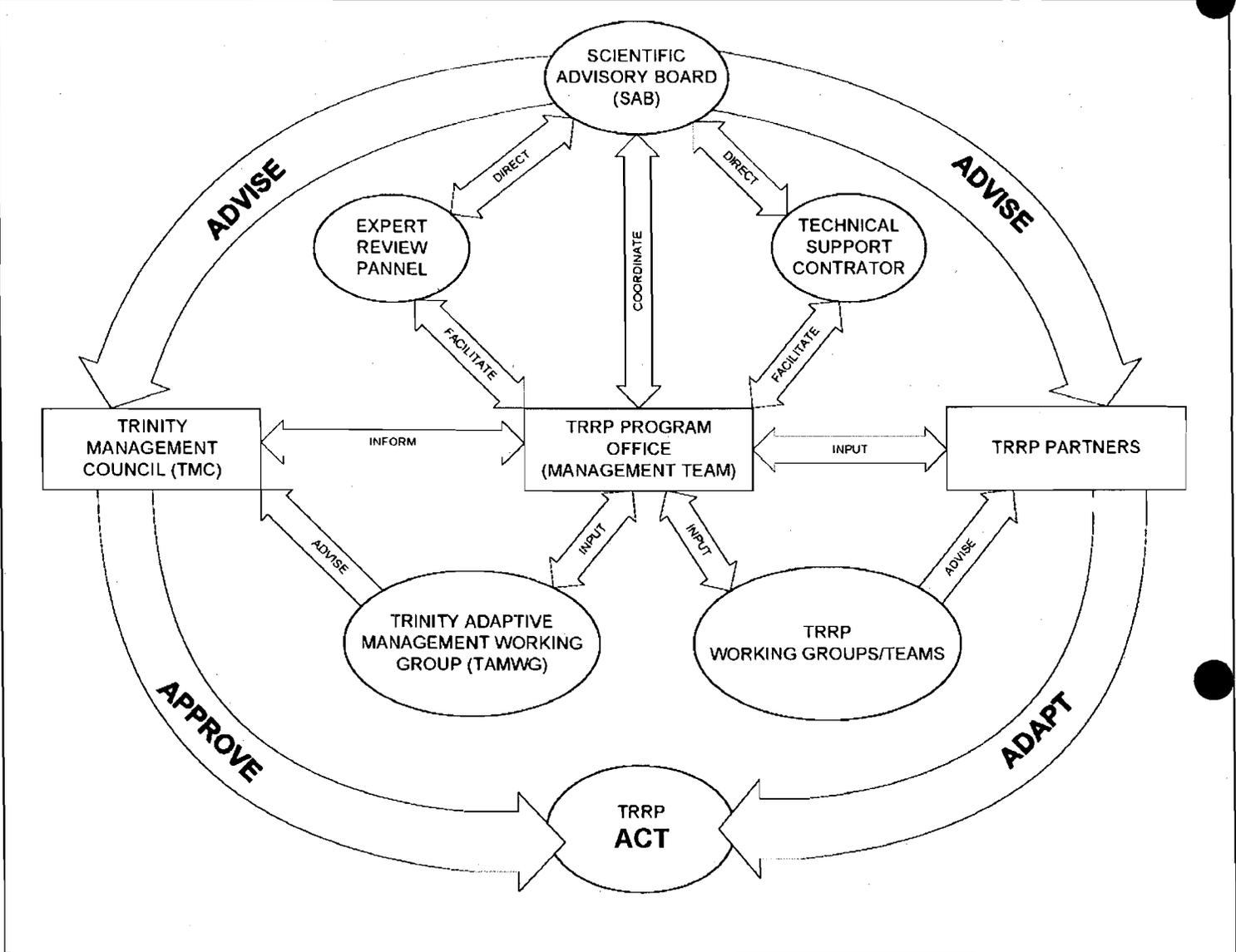
Execution Phase (Nov. – April 2012)



Review Phase (April – June 2012)



Phase I Review – Conceptual Model



## Relevant Phase I Review Milestones

### **June 2010 – Design and Implementation Process Review Report**

Through a technical assistance contract with the CH2M HILL and ENTRIX, this consulting performed a general outside review of the Phase I program. This review did not evaluate site specific rehabilitation project sites.

### **September 23, 2010 – TMC Meeting, Eureka, California**

TMC motion: Mike Orcutt made a motion to recommend the development of the Phase 2 plan with collaborative analysis (Synthesis Report) and recommendations to be presented at a future TMC meeting for concurrence/action. Roger Jaegel seconded the motion. The motion passed unanimously.

### **December 15, 2010 – TMC Meeting, Redding, California**

Andreas Krause (acting RIG Branch Chief) listed elements of the Phase 2 plan: description of design trends, evaluation of Phase 1 sites, development of quantitative habitat targets, definitions of complexity, cost effectiveness, incorporation of public input, and independent review. Nancy Finley asked if it would be better to first complete the Phase 1 reviews before spending too much time on new Phase 2 designs. Maybe only focus on the one Phase 2 that the program can afford to be put out for outside review. There was other support for completing some level of a review of Phase 1 projects.

### **January 12, 2011 – Design Team Meeting**

Andreas developed and circulated a 2-page write up on the Phase 2 Plan concept. Elements included:

- Phase 2 Plan
- Science reports (including a review of Phase 1 projects)
- Design guide updates/Design process updates

Andreas subsequently updated the 2-page concept with input from the Design Team following their 2.5 hour discussion on the matter.

### **January 20, 2011 – TMC Teleconference**

The revised 2-page write-up of the concept was shared. Several people provided comments on the concept.

### **April 2011 – TMC Meeting, Weaverville, California**

Jennifer Faler (RIG Branch Chief) presented the Phase 1 Review / Phase 2 plan concept:

- Phase 1 Implementation (Channel Rehabilitation and Gravel Augmentation Review) -Sep 2011
  - Conference in Weaverville with a panel of experts
  - Established panel for Phase 2 designs
- Revised Design Process (Oct 2011)
  - Process to include more public and stakeholder input and external review by the expert panel
  - Design conference
    - Tailored toward results of Phase 1 design review findings and existing concerns
- Prioritize Applicable Assessments
  - 2011 – Initiate Geomorphic assessment and revise scope of Implementation Monitoring
  - 2012 - Adult holding water and complete Geomorphic Assessment
- Channel Rehabilitation Policies (Oct 2011)
- Phase 2 Plan (Oct 2011 - ?)
  - Written plan to remove fear of unknown
  - Incorporate information from IHAP, Beechie and Pess Report, etc.

