

Bridging the Science / Decision-Making Gap

Trinity River Restoration Program



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Resource Issue: Impacts of Trinity Dam on Natural Processes



Historic Condition



Current Condition

Program Goal

Restore populations of naturally spawning salmon and steelhead to pre-dam levels.



Restoration Approach

Promote physical processes

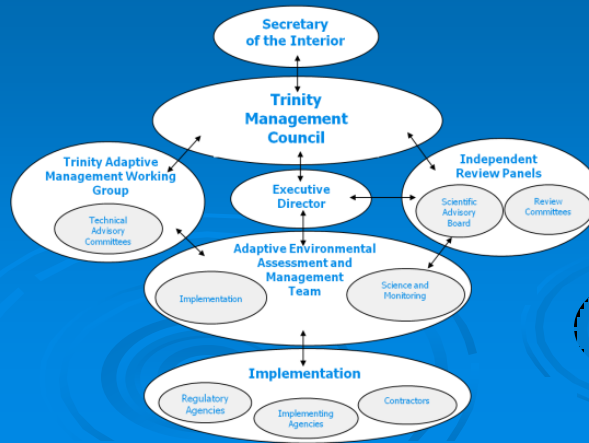


Complex channel form



Rearing and spawning habitat

Organizational Structure



Management Actions



Flow Releases



Sediment Management



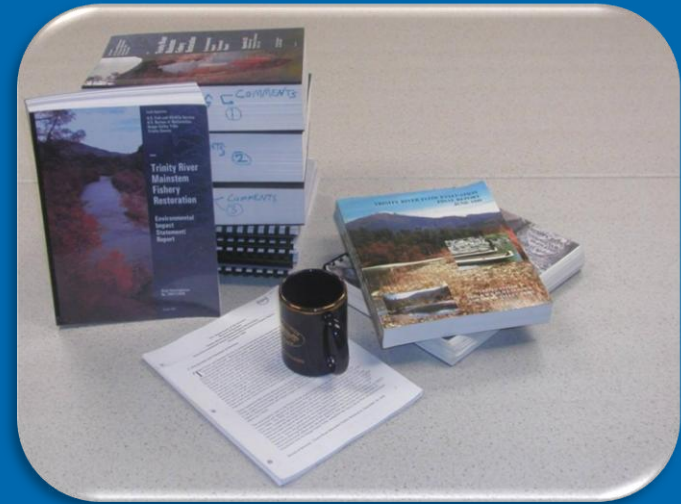
Channel Rehabilitation



Adaptive Management Framework

Set-up phase

stakeholders
objectives
alternatives
models
monitoring



Iterative phase

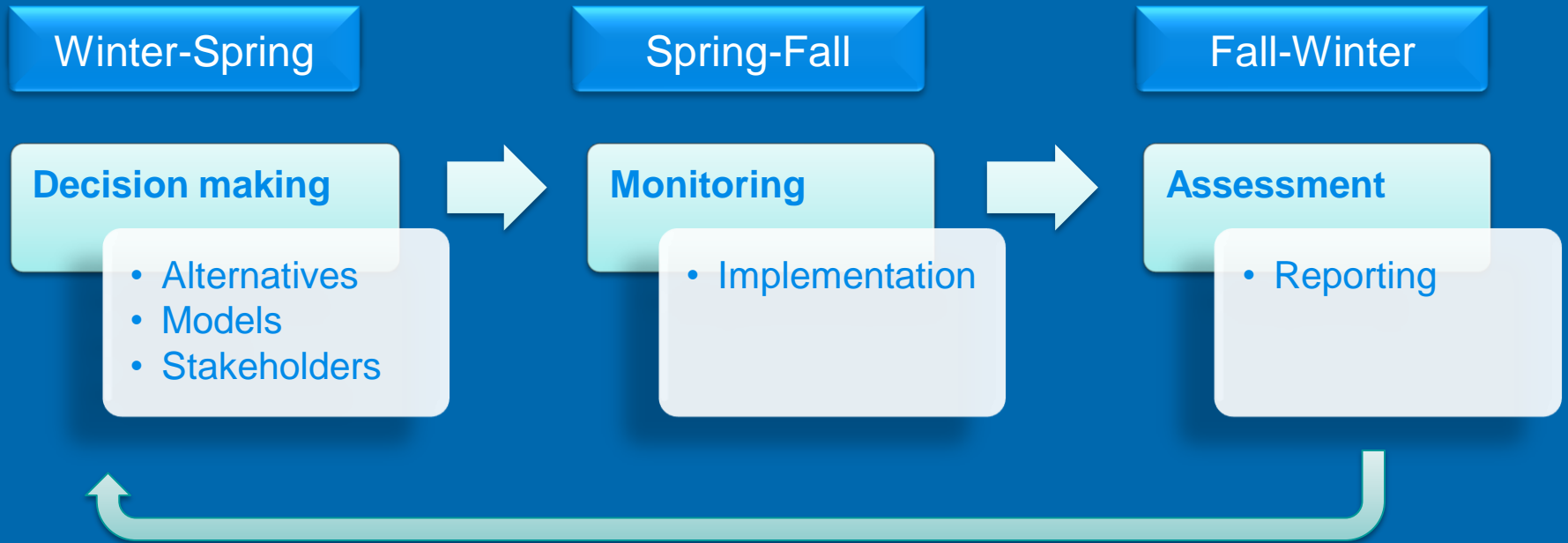
Decision making

Monitoring

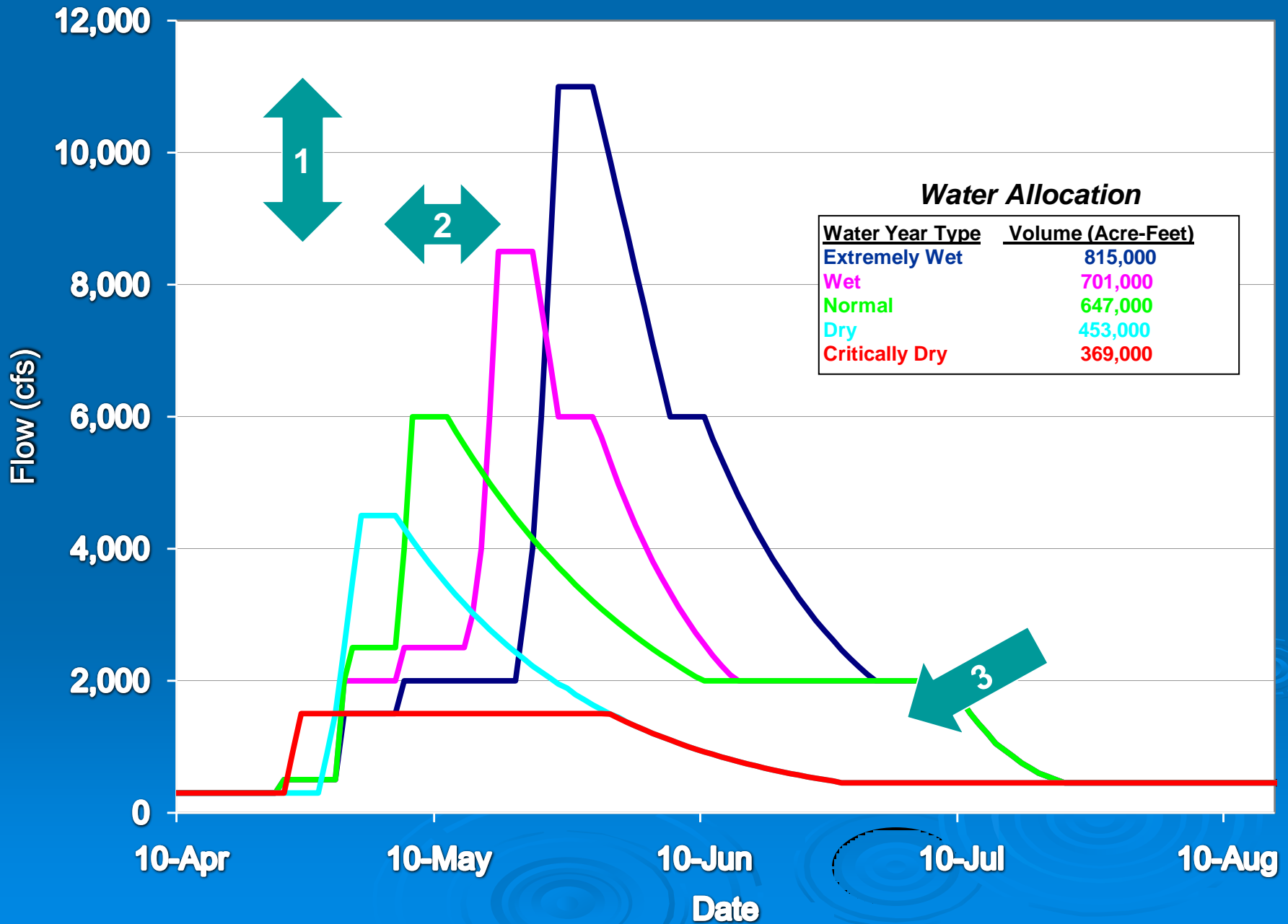
Assessment



Annual Flow Release Cycle



Water Year 2011 Release



2011 Flow Releases

Aims

- A. Expedite geomorphic change
- B. Inform rehabilitation site designs
- C. Regenerate riparian vegetation

Communication

Trinity River
WY2011 Flow Release Recommendation
by the Flow Workgroup

TMC meeting
4-13-11

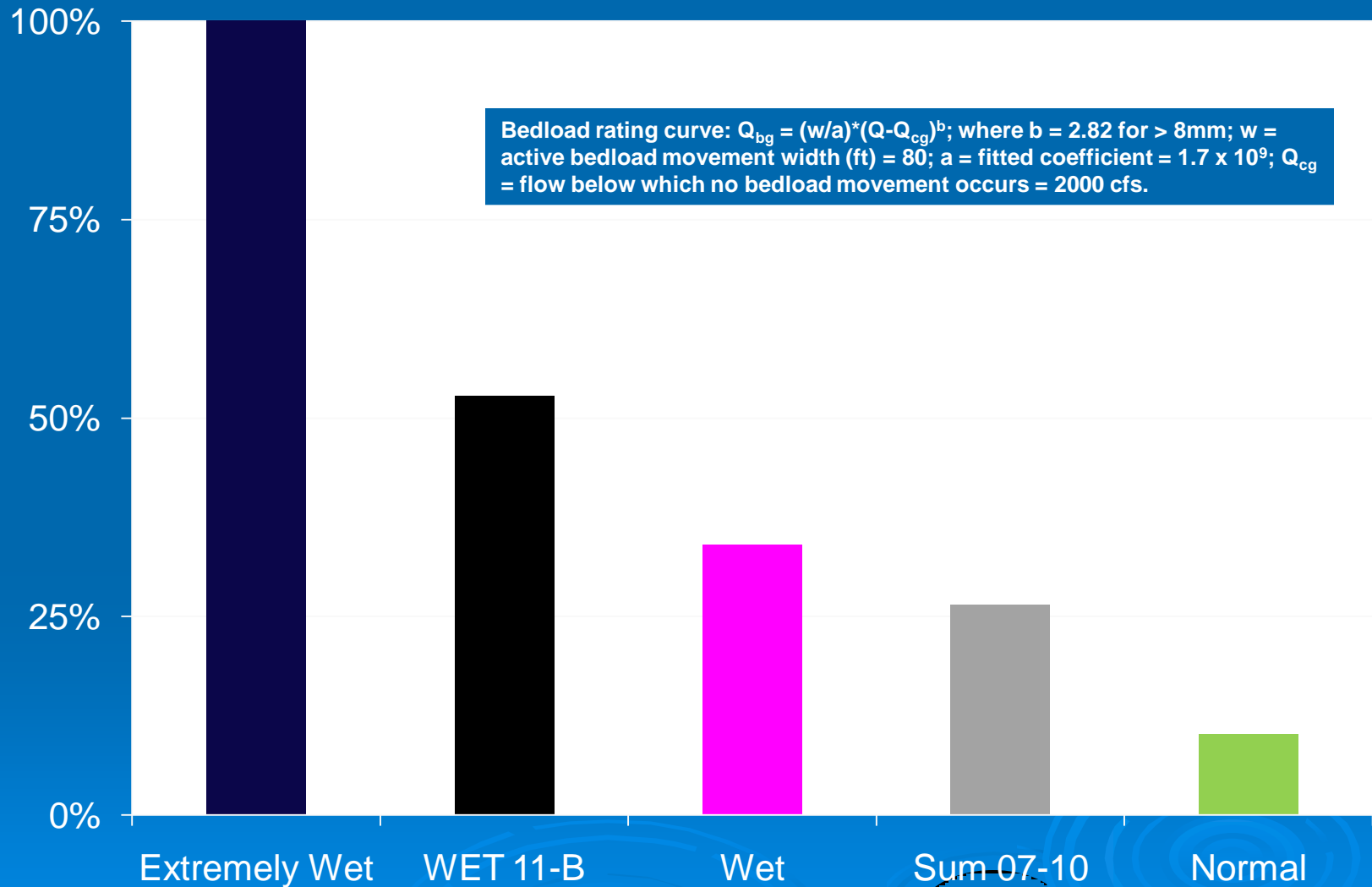
Technical Brief:
Trinity River Restoration Program
Flow Release Recommendations for WY2011



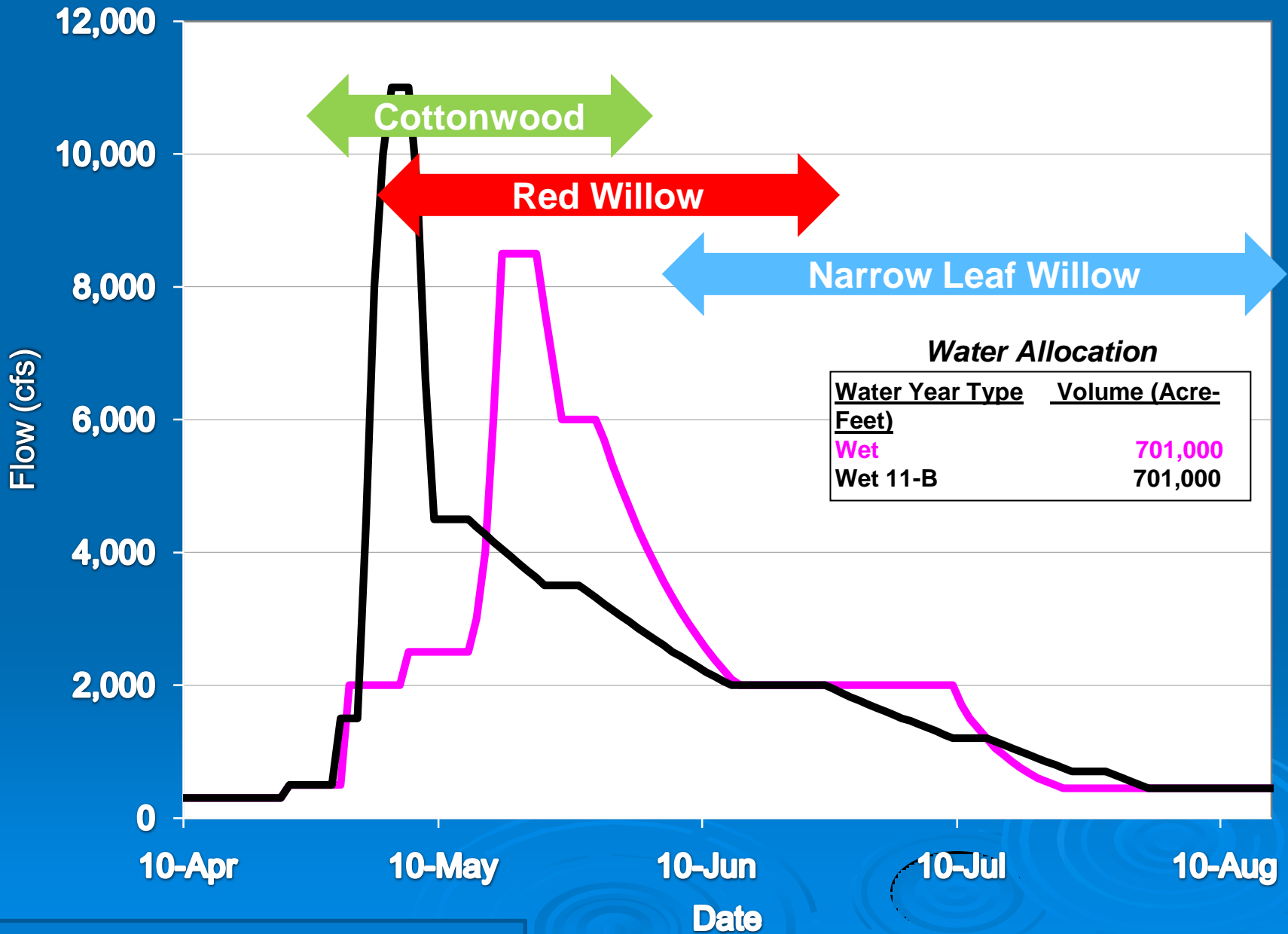
Expedite geomorphic change: channel rehabilitation sites

“Geomorphic Work” Comparison

Using total bedload as a surrogate

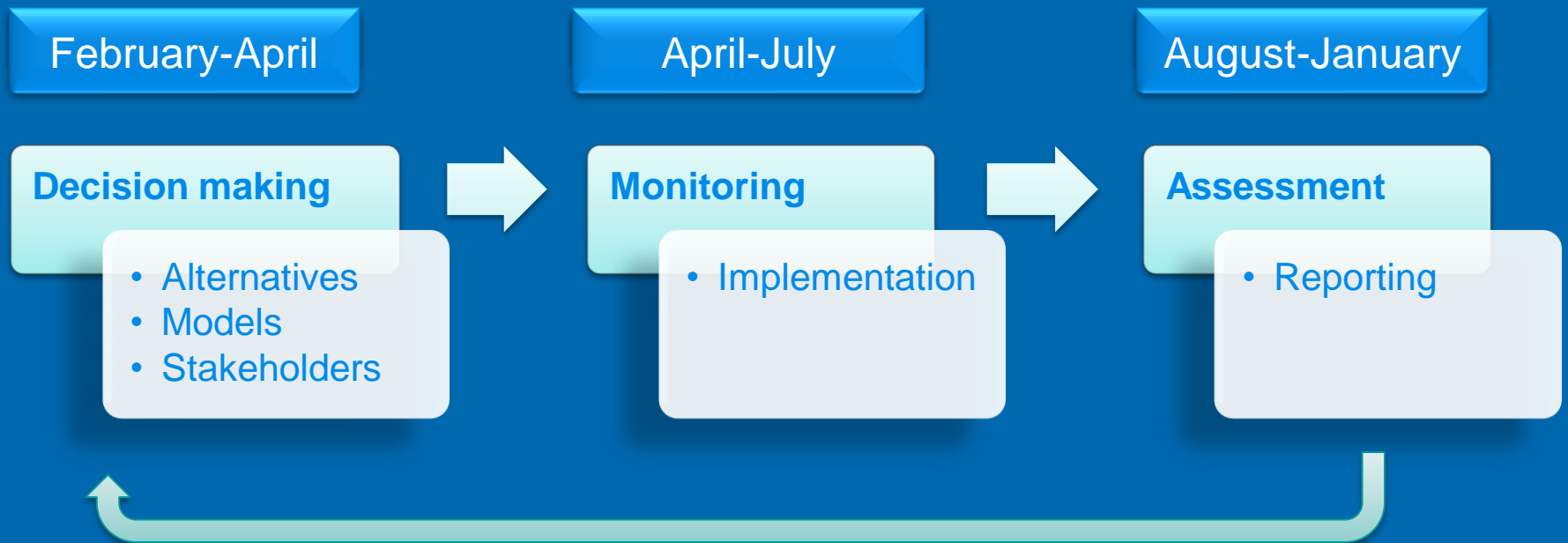


Expedite geomorphic change



Regenerate riparian vegetation

Flows: Completing the Cycle



High Flow Sediment Monitoring



Trinity River Restoration Program



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