

Water Storage Updates

Chelan County PUD

Washington Department of Ecology

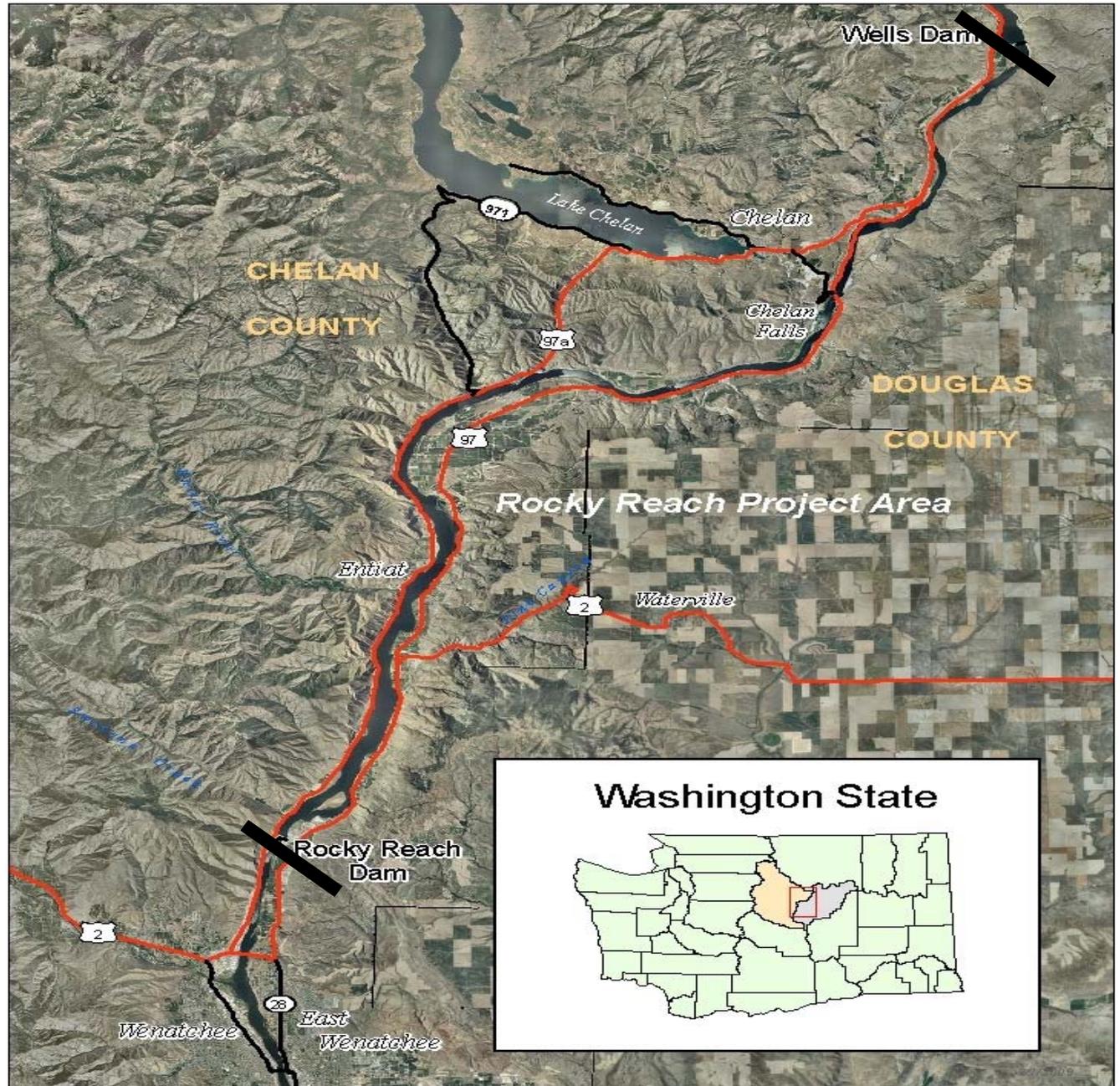
May 5th 2010

Brief Review

- Q4 2008 - WDOE and Chelan PUD begin discussions regarding working together on multi-benefit water storage ideas;
- September 2009 - Presentation to the PAG;
- November 2009 - Chelan PUD and WDOE signed Agreement-in-Principle;
- January 2010 - Begin initial investigations.



Project Area



Rocky Reach Poolraise

Ute Ladies Tresses Study

- Populations are adjacent to Rocky Reach;
- Identified as a potential fatal flaw;
- Results of consultant work
 - PME's have had varying degrees of success;
 - Impacts are varied based on historic plant locations;
 - Other projects have successfully moved forward;
 - Chelan staff will conduct additional monitoring.



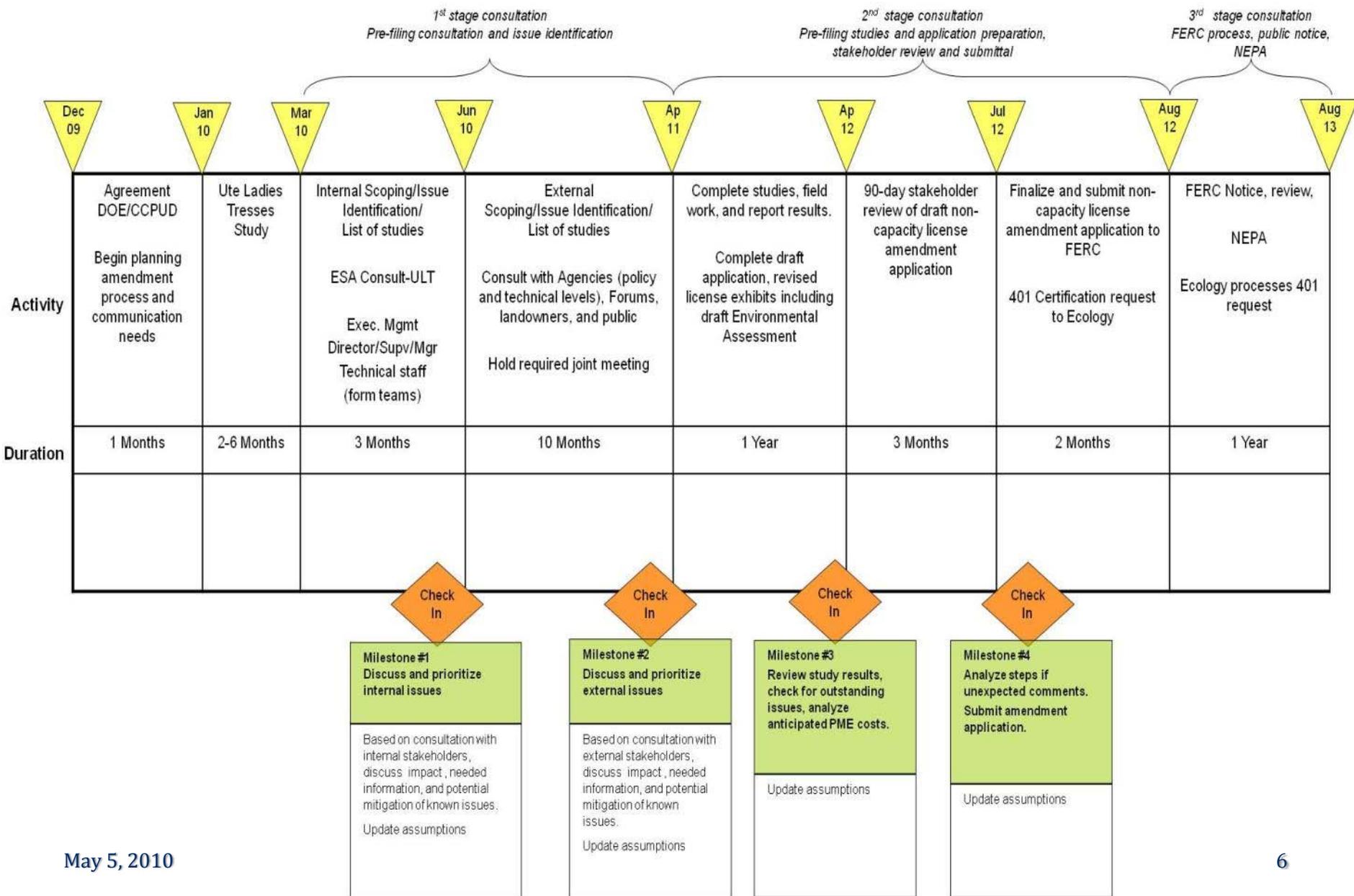
Rocky Reach Poolraise

- Current Work
 - Chelan staff is conducting internal scoping/issue identification;
 - Scheduled to conclude end of June;
 - Still makes sense?
- Next Steps
 - Hire consultant
 - External scoping
 - Feasibility study

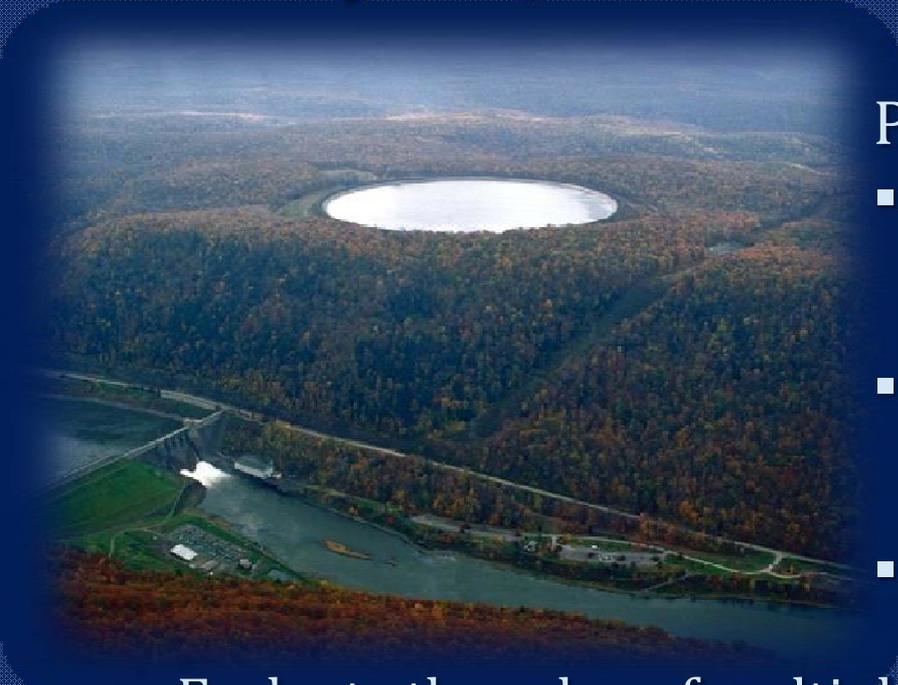


Rocky Reach Poolraise

Preliminary Schedule Summary (with 3-stage Consultation)



Pumped/Water Storage



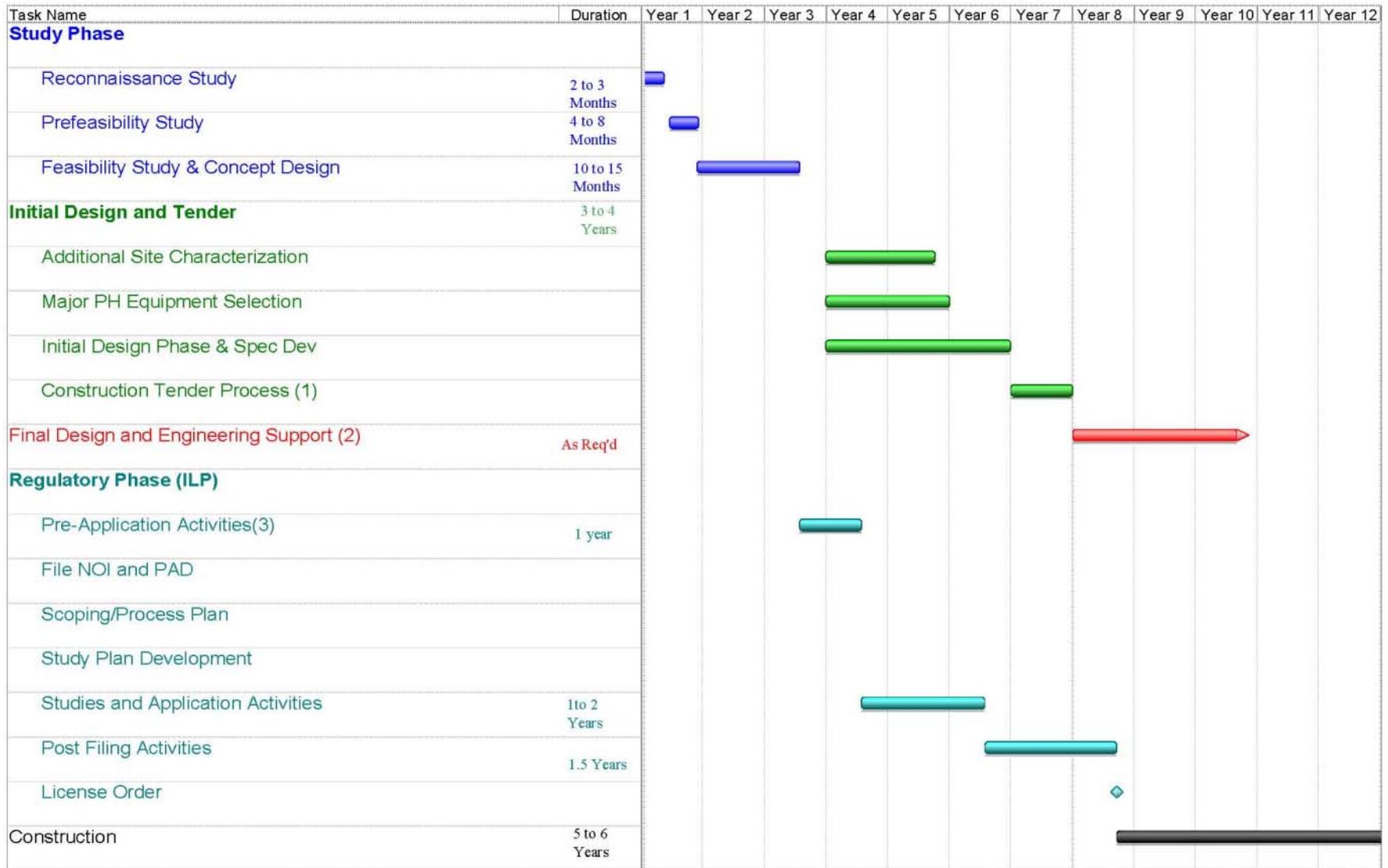
Purpose

- Alternatives:
 - Annual summer water releases
 - Releases only in draught years
- Identify potential sites adjacent to Chelan PUD projects (20,000-80,000 AF);
- Estimate cost of multi-use facilities;
- Evaluate the value of multiple use (flows for fish, value of water, value of energy and other ancillary benefits);
- Narrow down to 2 or 3 sites for more in-depth analysis.

Pumped/Water Storage

- Current Work
 - Executed contract with engineering firm;
 - Work initiated April;
 - Not to exceed \$165k;
 - Report due August 30, 2010.
- Next Steps
 - Review report;
 - Does it make sense to move forward?
 - More in-depth study of 2 or 3 top sites.

Pumped Storage Development Schedule



Notes:

- (1) Assumes construction bid documents are released in advance of final design.
- (2) Assumes engineering continues through tendering process as well as construction
- (3) Pre-Application activities could be advanced depending on the owner's appetite for risk prior to completion of feasibility study

Proposed Next Steps/Cost/Schedule

Project	Activity	Cost	Time Frame
Rocky Reach	EA Development/ Feasibility	\$500,000	2010-2011
Pumped/Water Storage	Pre-Feasibility	\$200,000	Q3 2010-Q4 2010
	Total	\$700,000	

Contact information

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Links

<http://www.chelanpud.org/7446.html>