



Development of Water Quality Standards for Willard Spur

Project Approach & Schedule

Willard Spur Steering
Committee

January 20, 2011



Proposed Approach

- **Want to apply lessons learned in developing a water quality standard for selenium in Gilbert Bay**
 - Similar objectives
 - Similar organization/communication
 - Similar charters
 - Similar process and review



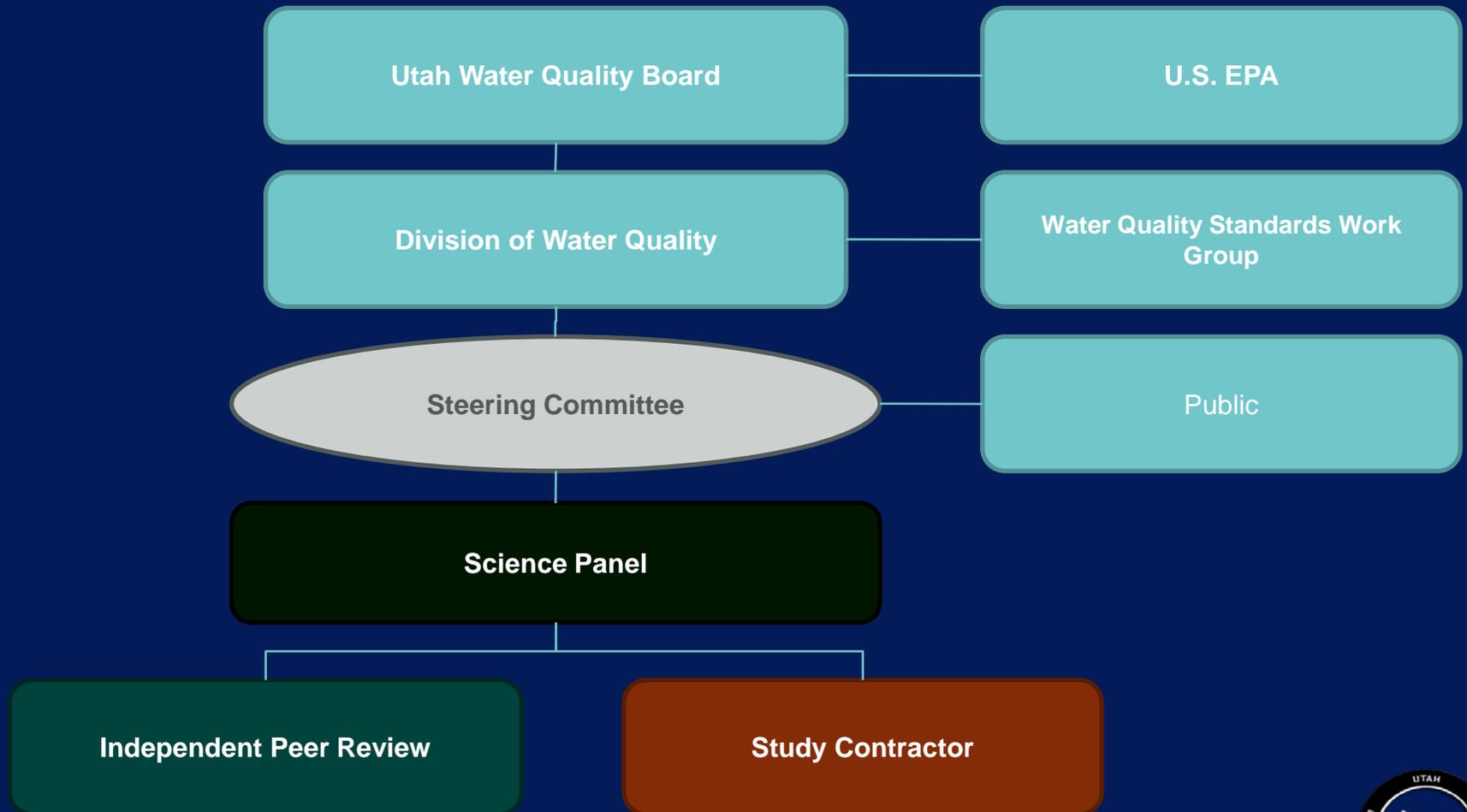


Objectives

- **Complete the scientific studies required to determine if and what changes to water quality standards are required to ensure the long-term protection of Willard Spur's beneficial uses**
- **Open & transparent process**
- **Driven by best available science**
- **Independent peer review**



Project Organization





Steering Committee - Purpose

- The Willard Spur Steering Committee is charged with the responsibility to **guide the process of developing** and, in the end, **provide recommendations to DWQ** for site specific numeric water quality standards—or other appropriate water quality regulations—for Willard Spur that are protective of its beneficial uses and sustain the natural resources of Great Salt Lake and its associated wetlands.



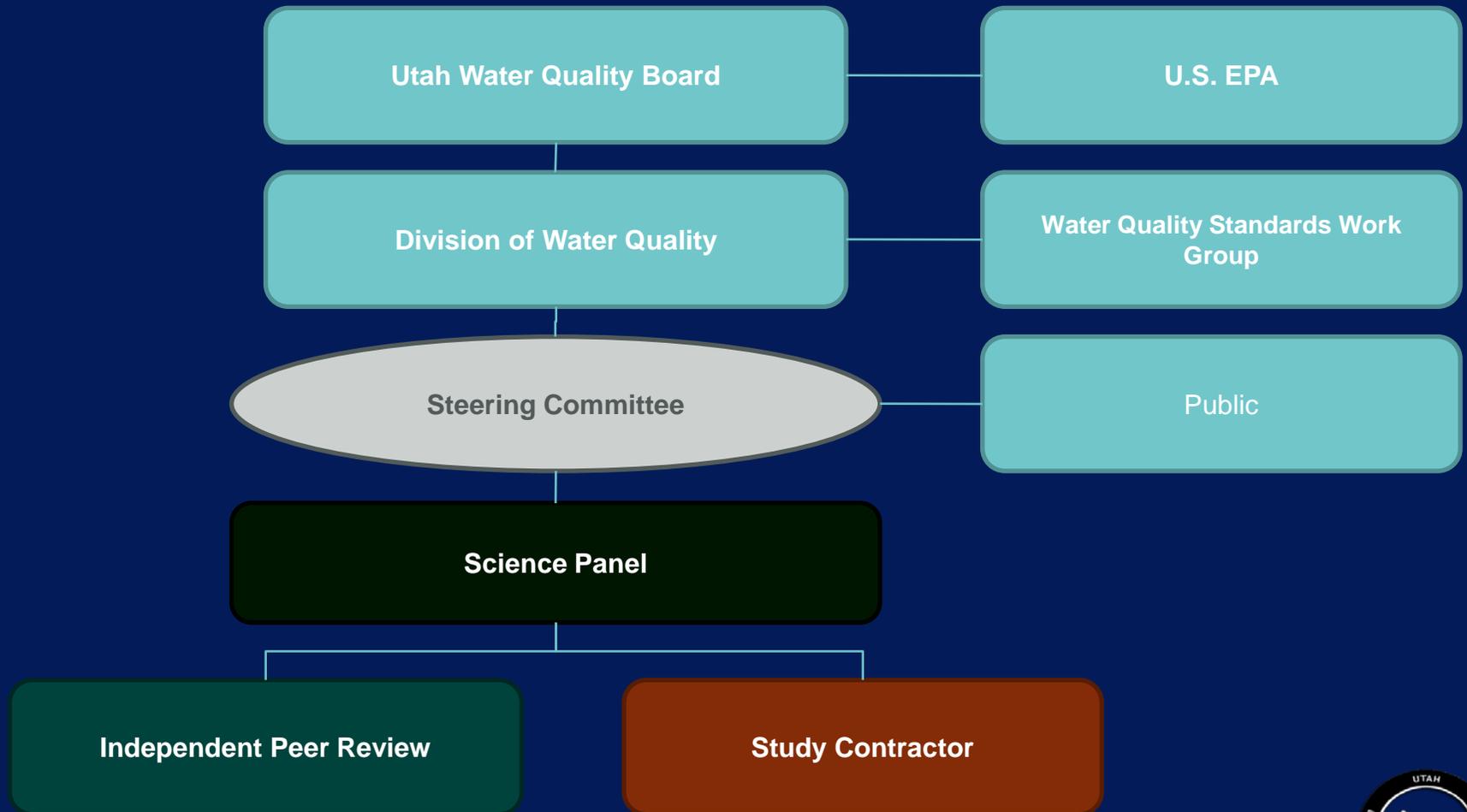


Science Panel - Purpose

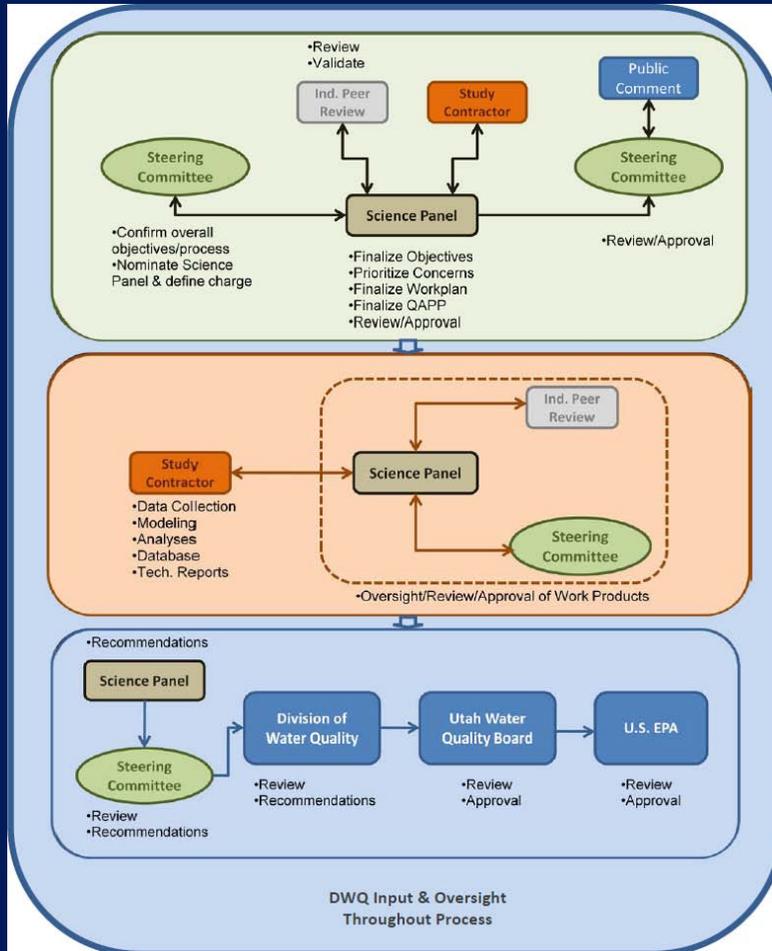
- The purpose of the Willard Spur Science Panel is to **advise the DWQ and Steering Committee** regarding regulatory and technical considerations related to the development of water quality standards for Willard Spur and **guide the research program.**



Project Organization

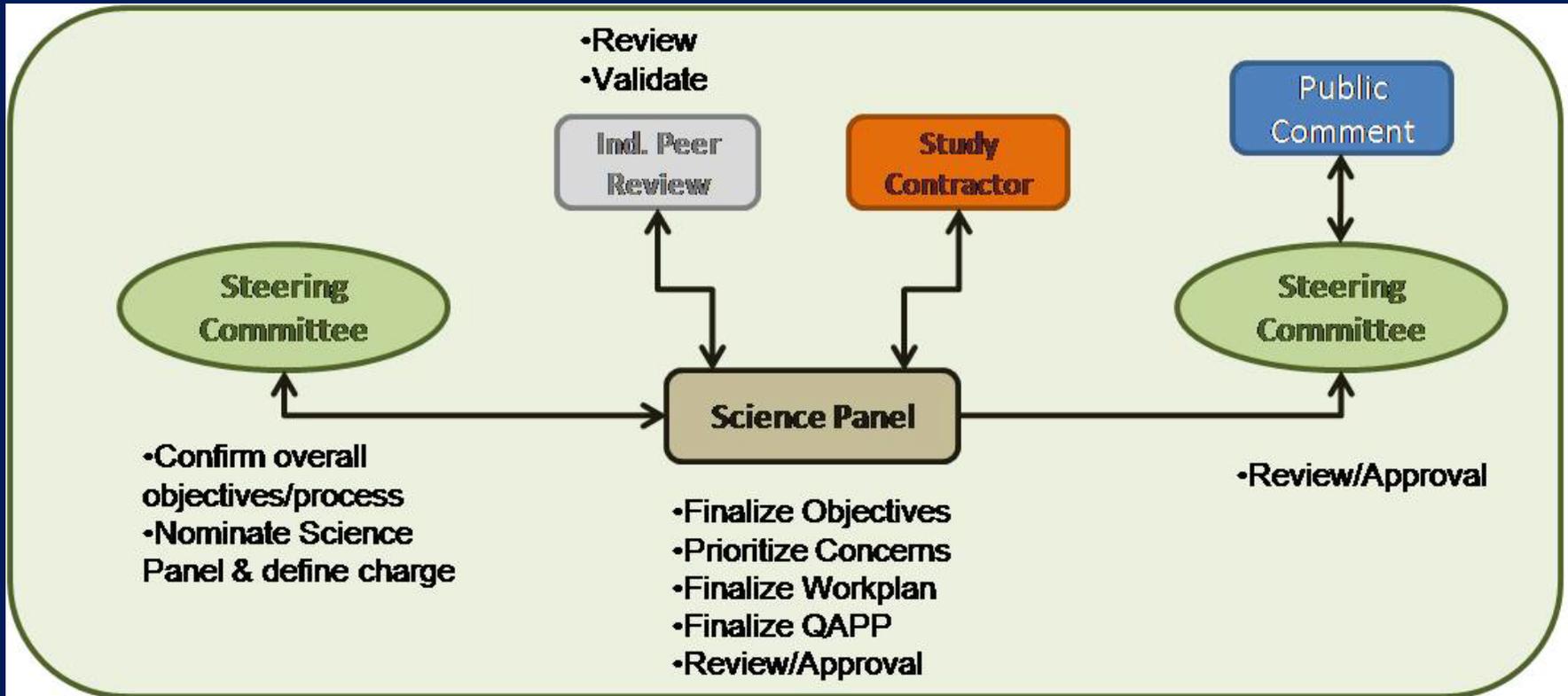


Process Summary



- Guided by Steering Committee & Science Panel
- Oversight by DWQ
- Driven by science

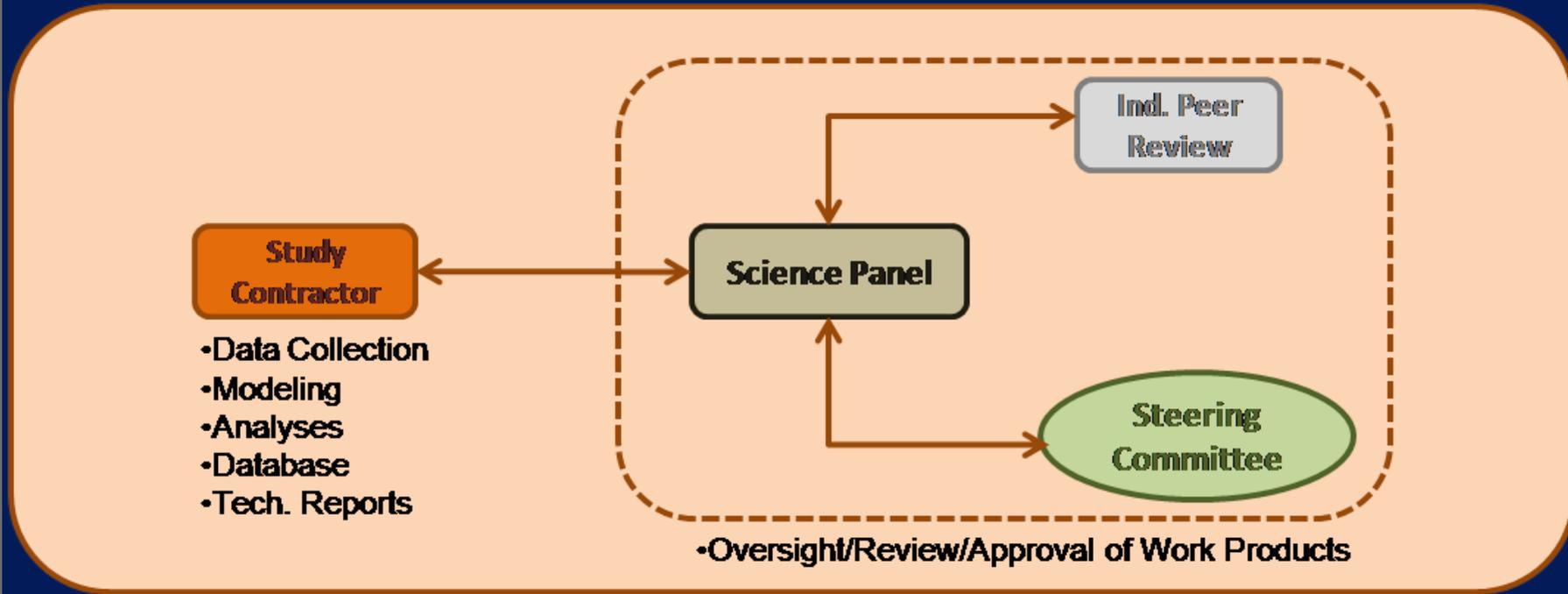
Process Summary



Phase I – Develop Workplan



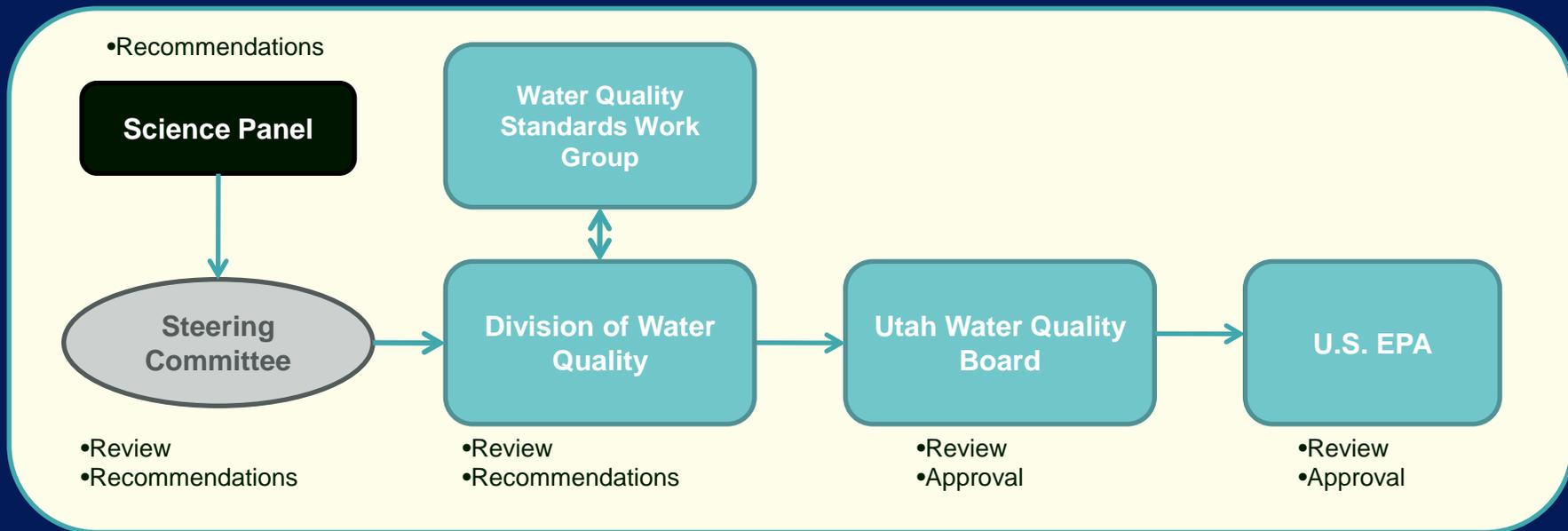
Process Summary



Phase II – Implement Workplan



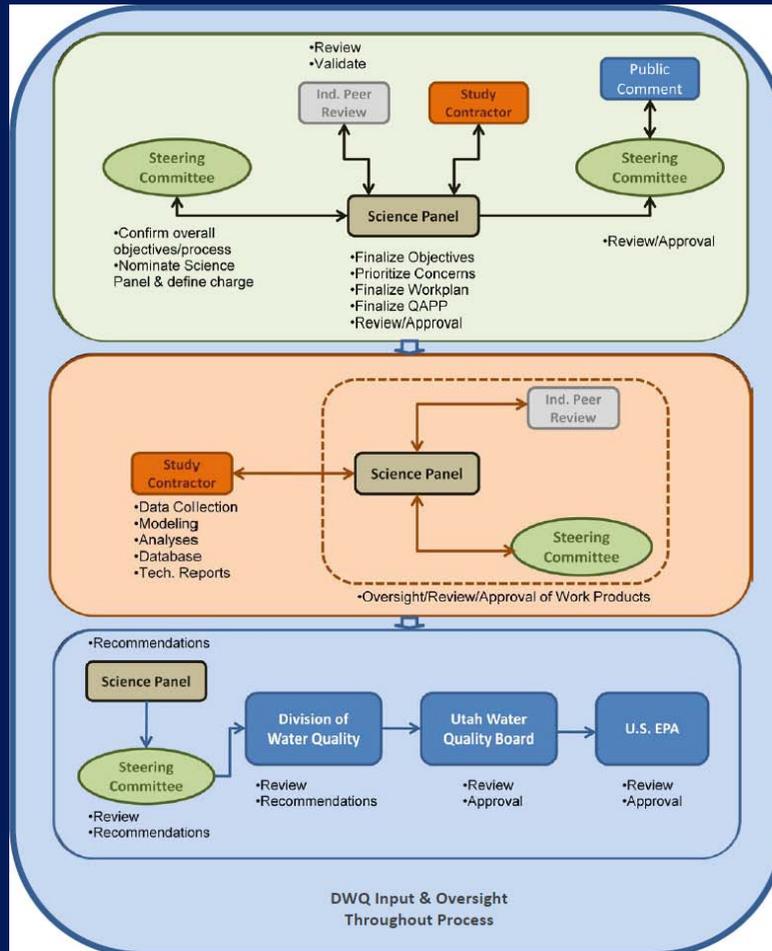
Process Summary



Phase III – Recommendations



Guiding the Process



- This Steering Committee is critical to the success of the program

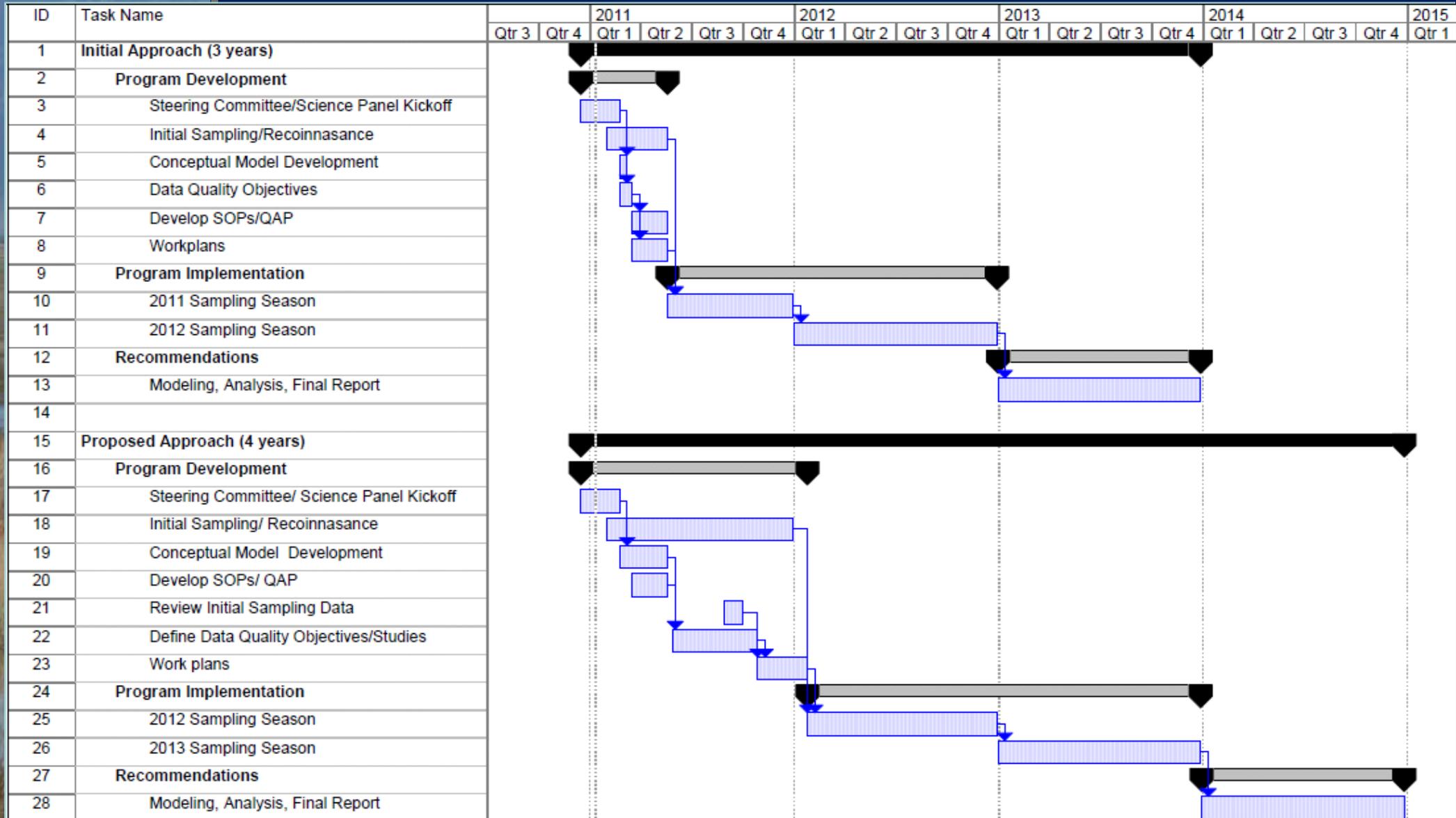


Schedule

- **Initial goal was to complete the work in three years**
- **Proposed schedule is to complete the work in four years**
 - After a review of objectives and lessons learned from the GSL selenium project
 - Want the Science Panel to actively define research questions/objectives/studies
 - Want the Steering Committee to be fully informed



Comparison of Schedules



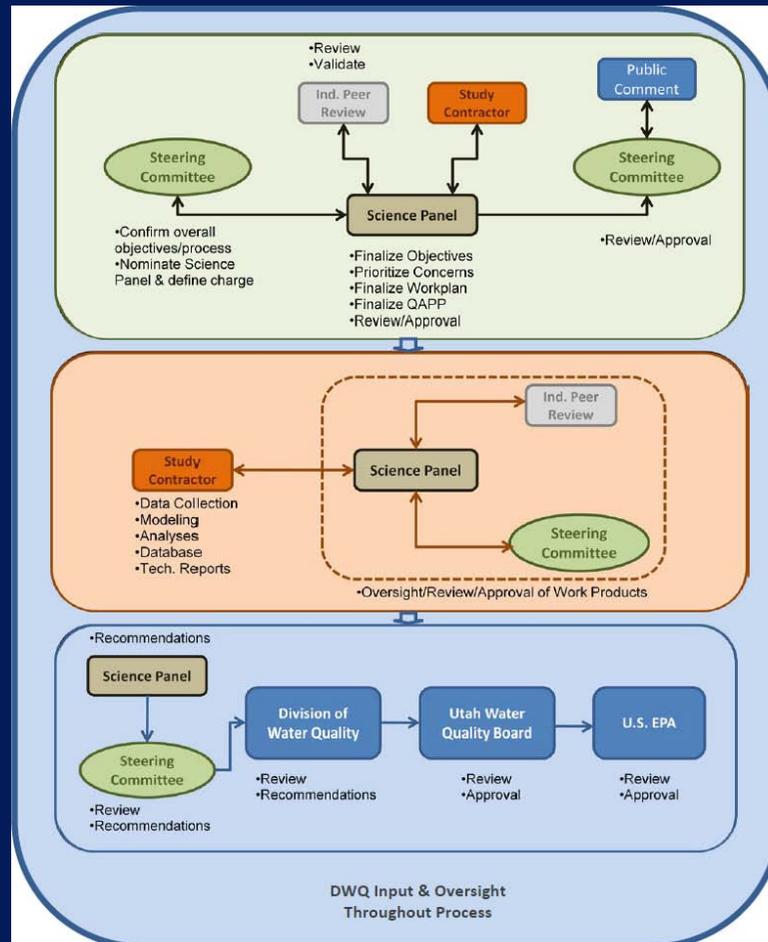


2011 Sampling Program

- **WPRWWTP will begin discharging in February**
 - We want to capture the “before” condition
 - We want to understand how things may change
- **Environmental samples to be completed by DWQ**
- **Flow measurement/sampling by USGS**



Process & Schedule



Phase I: 2011

Phase II: 2012 - 2013

Phase III: 2014



3 – 5 Month Schedule – Phase I

- **January 20 – SC Kickoff Meeting**
 - Background & Structure
 - Nominations for Science Panel
- **January 31 – Final Nominations are Due**
- **February 7 – DWQ to provide SC with Nomination package**



3 – 5 Month Schedule – Phase I

- **February 17 – SC Meeting**
 - Final selection of Science Panel
 - Discuss proposed approach
 - Update on 2011 sampling program
- **March 17 – SP Meeting**
 - Review background/objectives
 - Review approach/schedule
 - Discuss 2011 sampling program
 - Discuss conceptual models



3 – 5 Month Schedule – Phase I

- **April 28 – Joint SP/SC Meeting**
 - Review/approve 2011 sampling program
 - Review/discuss draft conceptual models
- **May 19 – SP Meeting**
 - Update on 2011 sampling program
 - Approve SOPs and QAP
 - Review/approve final conceptual models
 - Discuss long term research program





Logistics

- **Contact Jeff with comments/questions**

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Questions?

