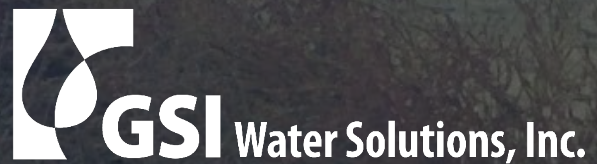


Scope of Work Framework

Morrow and Umatilla County Drinking Water Investigation

Steering Committee Meeting

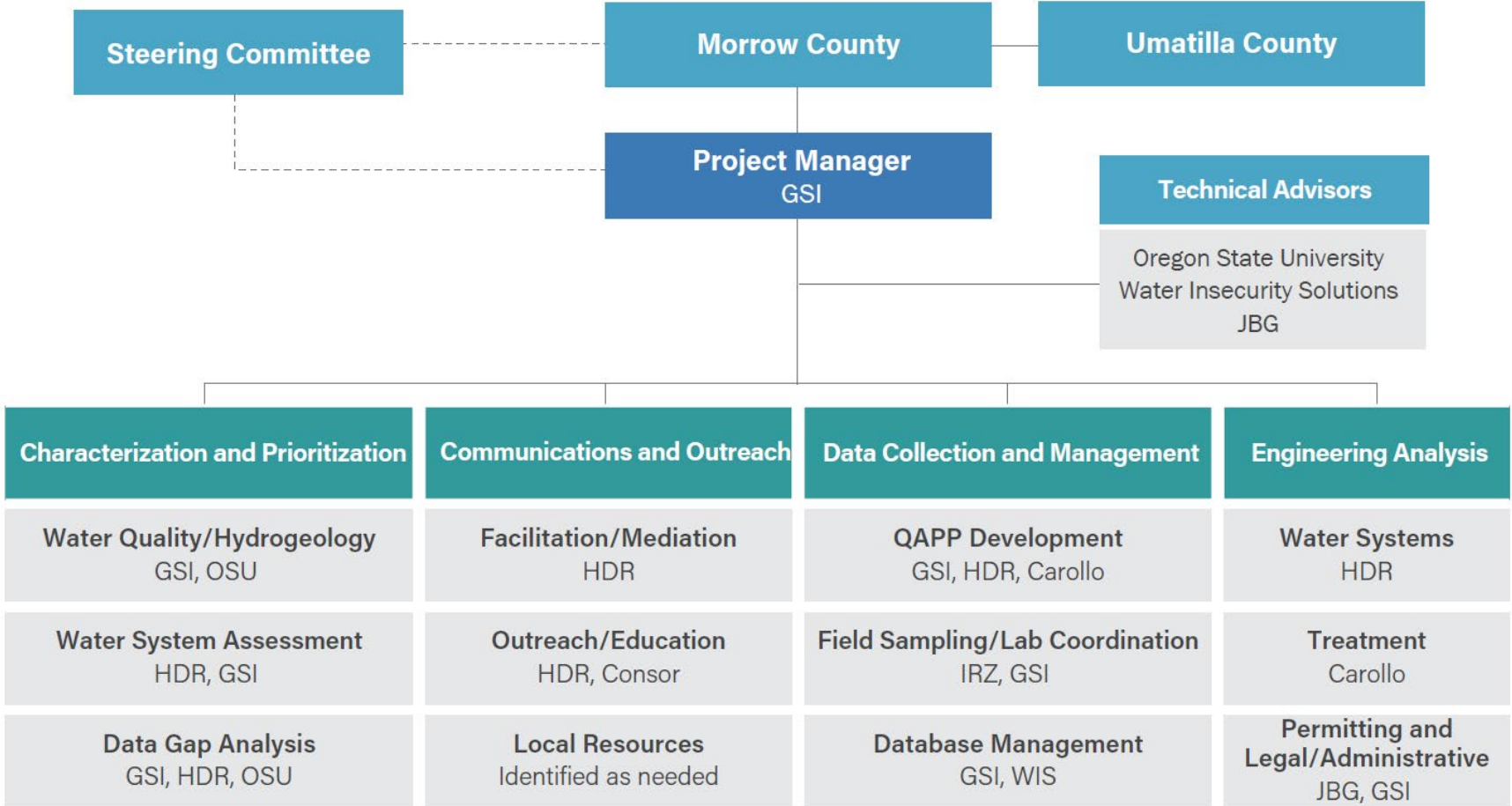
April 11, 2024



Topics

- Project Team
- Project Goals
- Approach
- SOW Framework
- Schedule

Project Team



Congressionally Directed Spending Funds

(Awarded under an EPA Research Grant)

*“In partnership with Umatilla County, Morrow County seeks funds to help residents have greater access to clean drinking water. Domestic wells in the two counties contain nitrate concentrations that far exceed federal limits. The two counties are home to the largest Latinx populations in Oregon and several communities within the region have high poverty rates. The Counties seek funds for **design and planning regarding possible extension of public water systems** to areas currently relying on contaminated wells. Part of this work involves **creating a comprehensive inventory of domestic wells, and testing the wells to determine which are most critical to bring into the public system**. A map will also be created to facilitate the County’s **sharing of water quality test results with private well owners**. This effort is in coordination with the State of Oregon.”*

Project Goals

- Improve understanding of extent of nitrate contamination
- Engage and educate domestic well users and community
- Develop an Action Plan to implement public water system connection and other alternatives

Objectives of Approach

- Quick-start several assessment tasks
 - Characterize priority areas for connection
 - Develop non-connection options early in the project
- Leverage data management and communications for broader regional benefit
- Deliver collaboratively as a “Program Manager” for Counties and Steering Committee

4-Stage Approach to Meet Objectives

- Stage 1: Baseline assessment and prioritization
- Stage 2: Initial sampling and feasibility of public water system connection
- Stage 3: Follow-up sampling and feasibility of alternate drinking water options
- Stage 4: Development of a Drinking Water Action Plan

Stage 1

Q2-2024 – Q3 2024

- Review available water quality, hydrogeologic and well data
- Complete Data Management Workplan
- Complete Communications Workplan
- Assess existing PWS
- Develop Drinking Water Options
- Prioritize initial sampling
- Develop QAPP

Stage 2

Q3-2024 – Q2 2025

- Conduct outreach and education
- Sampling in PWS connection target areas
- Sampling in data gap target areas
- Complete feasibility analysis for PWS connection
- Complete conceptual design for PWS connection
- Complete implementation and data gaps review
- Conduct Steering Committee and stakeholder work session

Stage 3

Q3-2025 – Q2 2026

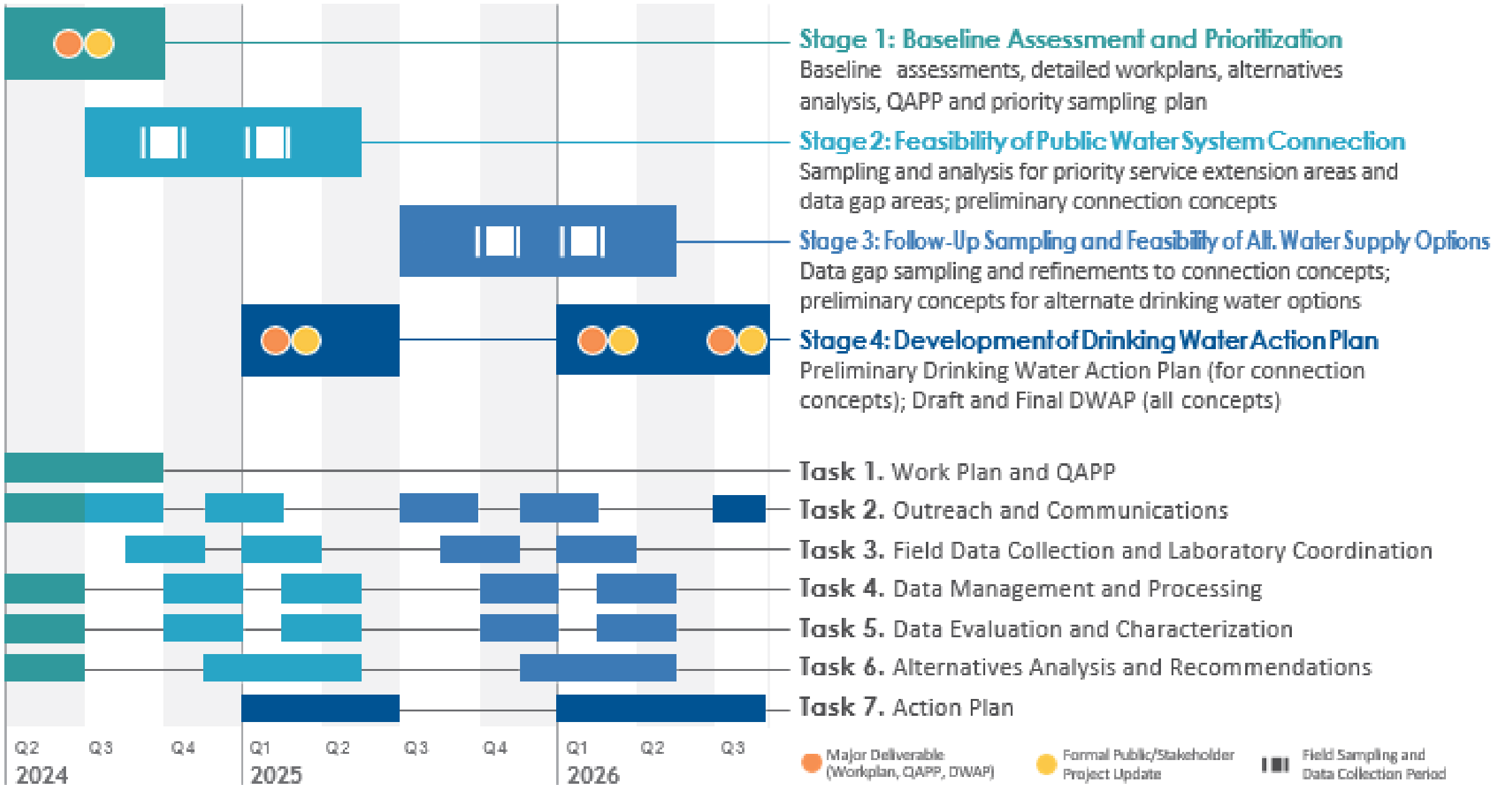
- Identify additional PWS connection areas
- Conduct follow-up sampling near extension areas and data gap areas
- Complete feasibility analysis for non-connection
- Complete conceptual design for PWS connection
- Complete implementation and data gaps review
- Conduct Steering Committee and stakeholder work session

Stage 4

Q1 2024 – Q2 2025

Q1 2026 – Q3 2026

- Develop Drinking Water Action Plan (DWAP) for connection alternatives (Q2-2025)
 - Stakeholder/Public Project Update
- Develop DWAP (Ver. 2) incorporating data gaps and non-connection options (Q2-2026)
 - Stakeholder/Public Project Update
- Final DWAP (Q3-2026)



Stage 1 Tasks

Assumed notice to proceed April 1, 2024 for Stage 1

- - Meeting/Workshop
- ◆ - Formal deliverable (report/document)

Task 1.1 Project Management

1.1 – Project management and coordination; Project Mgmt.Plan

1.2 – Bi-weekly updates

1.3 – Monthly invoice and progress report

Task 1.2 Data Management Framework

2.1 – Data Review Workshop

2.2 – Follow-up Meetings and Data Transfer

2.3 – Data Management Project Plan

Task 1.3 Communications Framework

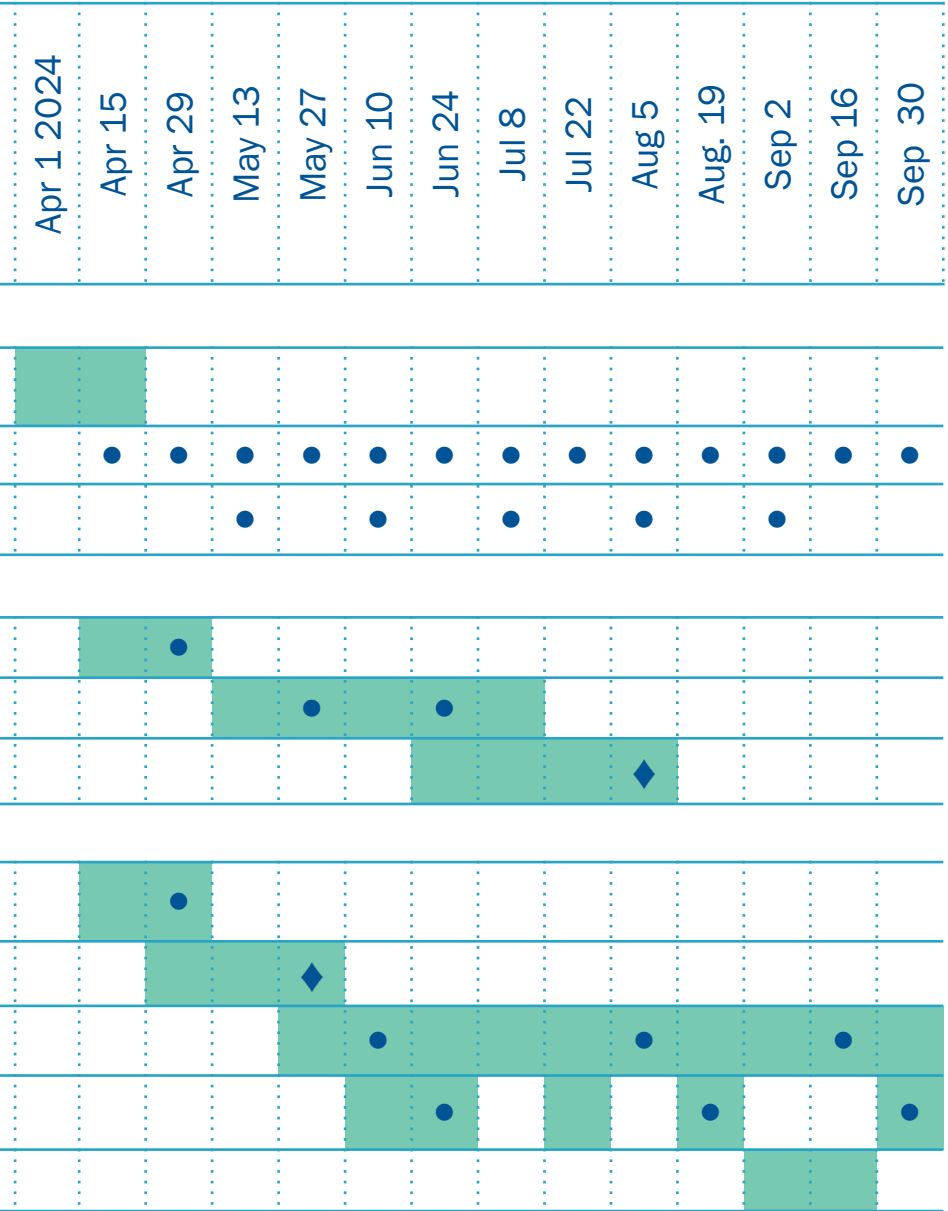
3.1 – Communications Workshop with Steering Committee

3.2 – Communications Workplan

3.3 – Communications Materials; Participation in Outreach Events

3.4 – Project Website and Public Comments Database

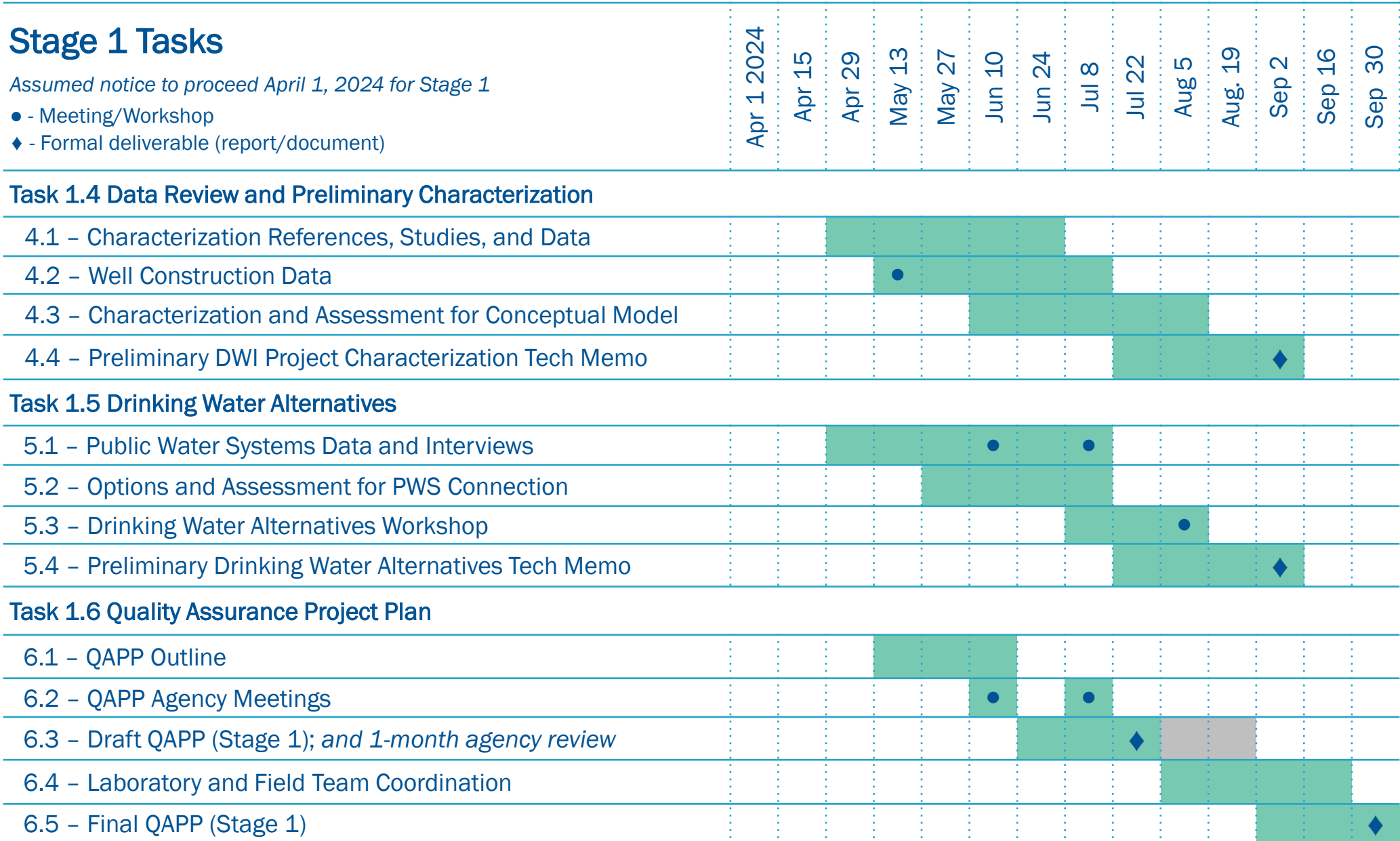
3.5 – Communications Training



Stage 1 Tasks

Assumed notice to proceed April 1, 2024 for Stage 1

- - Meeting/Workshop
- ◆ - Formal deliverable (report/document)



Key Assumptions for Stage 1

- Work can begin in early April 2024.
- Steering Committee and agency staff are available at approximate timing of meetings.
- Data sharing agreements and data transfers can occur in a timely manner to meet schedule.
- Agencies will be available to review Draft QAPP in a timely manner to meet schedule.
- All deliverables will be submitted as Draft for Stage 1; comments on the draft deliverables will be integrated into the Final DWAP in Stage 4.

Ronan Igloria, PE

Principal Water Resources Consultant

Email: rigloria@gsiws.com

direct: 971.200.8510

650 NE Holladay Street, Suite 900, Portland, OR 97232

GSI Water Solutions, Inc. | www.gsiws.com

Thank you!