

**Scope of Work Addendum for Additional Groundwater Flow Direction Evaluations  
Mission Reach – Spokane River**

**March 15, 2023 Draft**

***Background***

The Spokane River Regional Toxics Task Force previously approved two initial tasks related to Groundwater Flow Direction Evaluations for the Mission Reach (LimnoTech, 2022):

1. Identify additional existing monitoring well locations and associated reports
2. Construct inventory and interactive map

Funding for subsequent tasks was deferred pending an assessment at the conclusion of Task 2 regarding whether the available data were sufficient to support development of a conceptual site model of groundwater flow direction. The determination has been made that the data are insufficient to develop a conceptual site model, and that some limited additional analyses are required.

***Purpose***

The purpose of this authorization is to support completion of the Groundwater Flow Direction Evaluations for Mission Reach project.

***Tasks and Deliverables***

The scope of work consists of two tasks: 3) Technical Assessment, and 4) Reporting.

**Task 3: Technical Assessment**

Two technical assessments will be conducted under this task. The first consists of vetting recently collected continuous water level data from the Hamilton St. Bridge site. These data, which upon initial inspection suggest that groundwater flow direction is into the Mission Reach, also contain some patterns that question their accuracy. LimnoTech will investigate the methods used to collect these data, and compare reported river elevation data to other available sources of river stage data. The outcome of this subtask will be a determination of the extent to which these data can be relied upon to support the groundwater flow assessment. The second aspect of this task consists of defining groundwater flow direction in the Mission Reach to the extent allowed by the available data, recognizing that the assessment will fall short of a rigorous conceptual model.

**Task 4. Report of Findings**

LimnoTech will document the findings of Task 1 through 3 in a technical memorandum. The memorandum will be provided to the TTWG and Task Force in draft form and revised to reflect comments received. LimnoTech will also provide an excel database of well-specific information and the input files for the interactive ArcGIS Online well database.

### ***Schedule and Budget***

The tasks described above can be initiated immediately pending Task Force approval. The project schedule is provided in the table below. All work will be completed by June 30, 2023.

<b>Task</b>	<b>Completion Date</b>
1. Technical assessment	April 30, 2023
2. Report of findings	June 15, 2023

The costs for Tasks 3 and 4 are provided in the table below, totaling \$10,000.

<b>Task</b>	<b>Budget</b>
1. Technical assessment	\$5,000
2. Report of findings	\$5,000
<b>Total</b>	<b>\$10,000</b>

### ***References***

LimnoTech, 2022. Scope of Work for Additional Groundwater Flow Direction Evaluations: Mission Reach – Spokane River. Prepared for the Spokane Regional Toxics Task Force. December 19, 2022.