

## Budget Request for Extending Mission Reach Object Detection Survey

~~March 10~~April 20, 2022 Draft

### Background

Monitoring in the Mission Reach of Spokane River has consistently shown elevated levels of PCBs in both biofilm and fish. An initial investigation into the cause(s) of these elevated PCB concentrations did not identify a specific source but did identify potential source categories responsible for these concentrations. Buried PCB-containing objects (e.g., drums, transformers) located within the riverbed have been identified as one potential source category.

Gravity Consultants were contracted in 2021 to conduct an object detection survey of the Mission Reach, deploying side scan sonar and a magnetometer to identify objects on or in the riverbed. This work was successfully accomplished for the majority of the Mission Reach but was not able to survey the most downstream portion of the Reach due to construction activities at the E. Trent Ave. Bridge.

### Purpose

The object detection work conducted to date identified several objects of interest, for which the Task Force is considering follow-up PCB monitoring. Prior to developing this PCB monitoring effort, it would be useful to know whether other objects of interest exist in the un-surveyed portion of the Mission Reach [extending downstream to Ecology's 2018 Gonzaga University sampling site](#). The purpose of this authorization is to allow Gravity to complete the object detection survey for the remainder of the Mission Reach as early as is feasible to allow follow-up PCB monitoring to be conducted during 2022.

### Scope and Budget

The scope of work is identical to that conducted in the 2021 object detection survey. Gravity will use remote sensing technologies (i.e., side scan sonar, magnetometer) to search for the presence of potential PCB-containing objects located in the stream bed or bank. The outcome of this task will be a report identifying the existence of any objects detected that may be contributing significant sources of PCBs to the portion of the Mission Reach not surveyed in 2021.

The cost for conducting this work is ~~\$9,099~~\$12,047, as detailed in the table below. [The Task Force has already authorized \\$10,000 for this work, so the net increase in authorization is \\$2,047](#). All funding will be for Gravity Consultants. It is expected that no new QAPP is required for this work, because the effort consists of completion of work conducted during an already-approved QAPP.

Item	Budget
Field Labor	<del>\$1850</del> <u>\$3700</u>
Reporting	<del>\$1900</del> <u>\$2660</u>
Equipment and Field Supplies	<del>\$1439</del> <u>\$2876</u>
Mobilization & Demobilization	<del>\$3910</del> <u>\$2811</u>
<b>Total</b>	<b><del>\$9,099</del><u>\$12,047</u></b>
<b><u>Previously Authorized</u></b>	<b><u>\$10,000</u></b>
<b><u>Net Authorization</u></b>	<b><u>\$2,047</u></b>