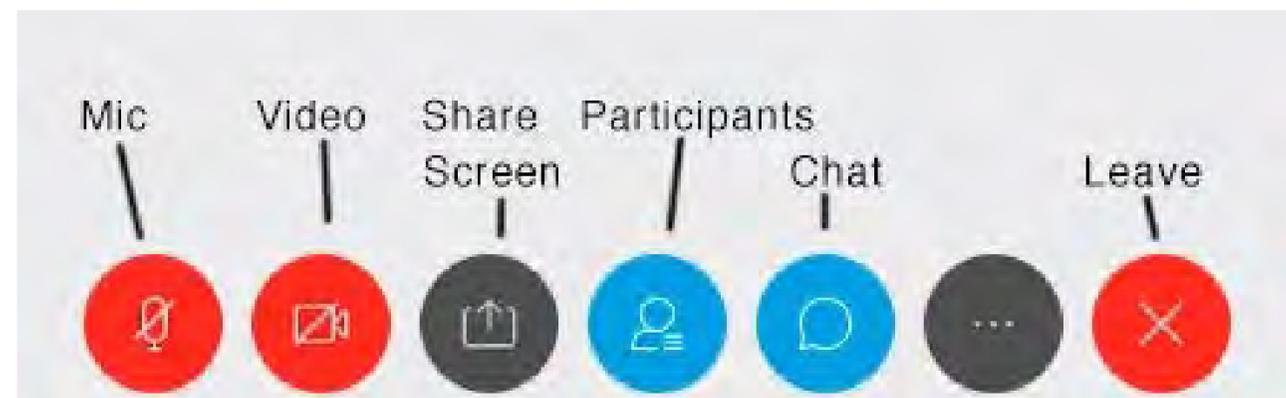




# Resource Damage Assessment (RDA) Committee Meeting

- Please mute your microphone to reduce background noise
- Callers: dial **\*6 to mute and unmute**
- Online attendees please use the mute button





# Resource Damage Assessment Committee Meeting

Geoff Baran

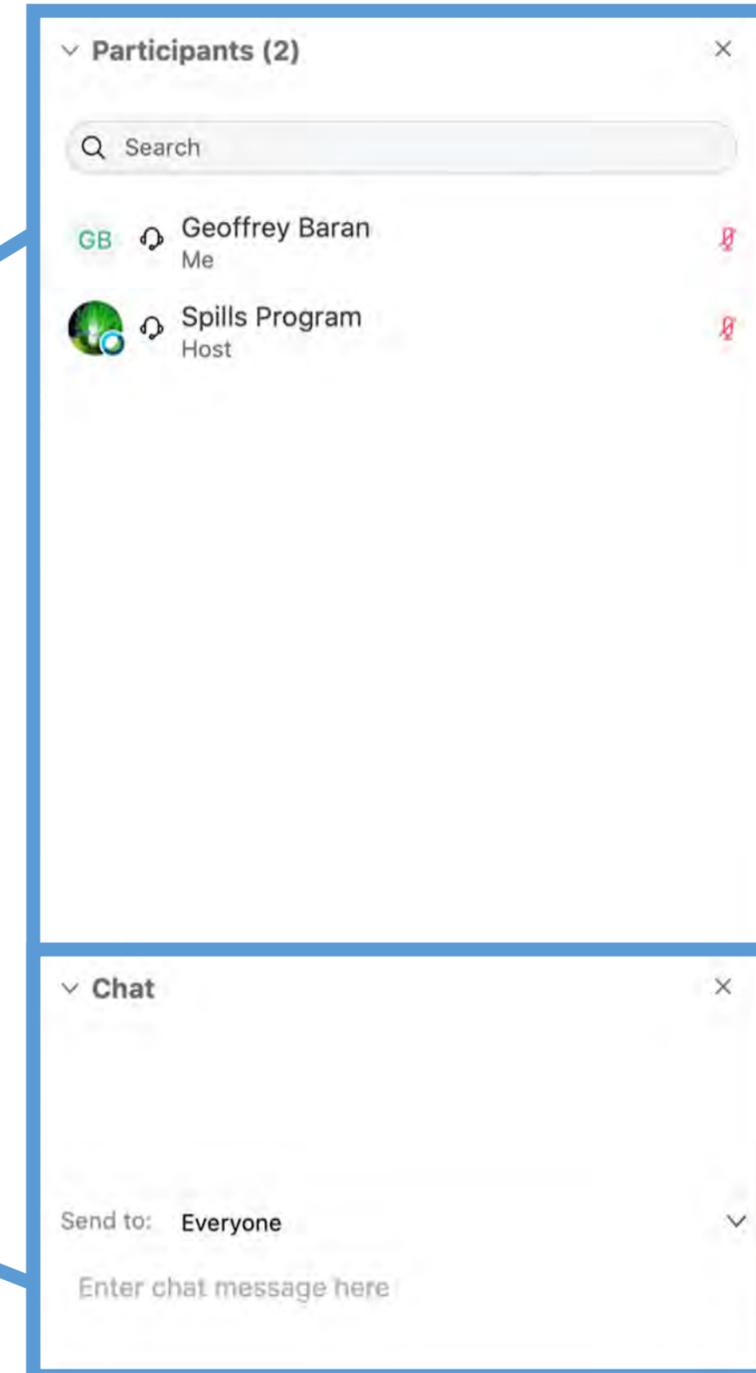
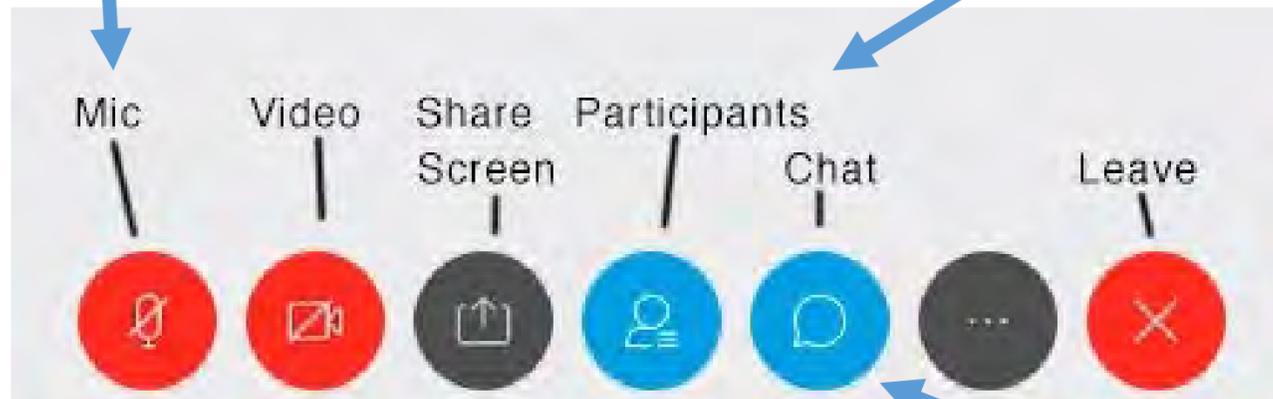
Chair, RDA Committee

February 10, 2021



# Welcome to WebEx

- Please mute your microphone to reduce background noise
  - Callers: dial \*6 to mute and unmute
  - Online attendees please use the mute button



# Welcome

Roll Call  
Agenda Review

1

## Welcome

Roll Call, Agenda Review

2

## Introduction

Purpose, Goal, Objectives, Rules  
Approval of Minutes

3

## New Business

Preassessment Screenings

4

## Old Business

Open case updates

5

## Announcements

Anything else for the good of the order

# Resource Damage Assessment Committee





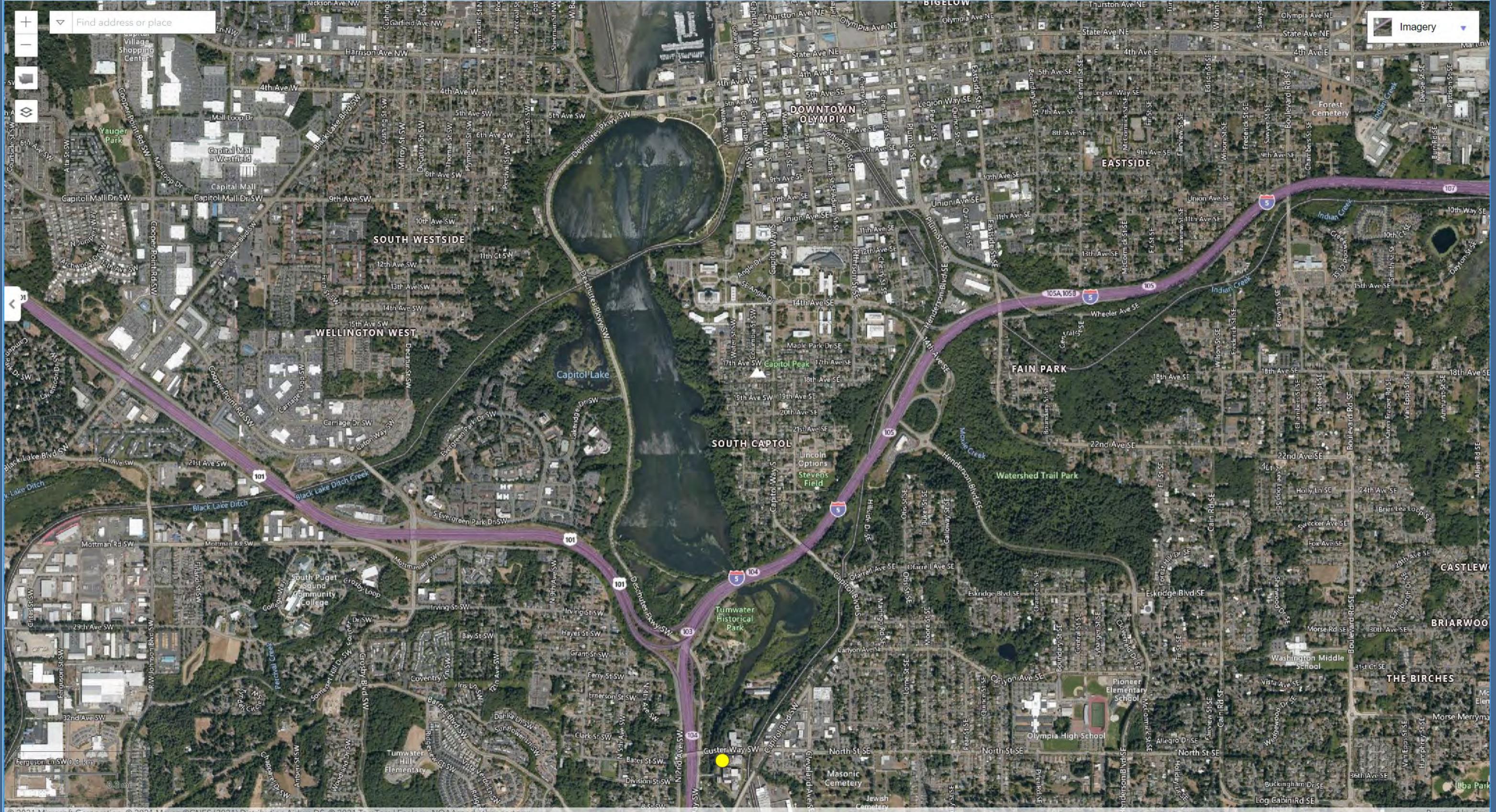
# New Business

## Preassessment Screenings

# ERTS# 687507 Olympia Brewery Transformer Oil Spill

February 25, 2019 spill  
into the Deschutes River,  
Capitol Lake and adjacent  
wetlands





# Spill Location





Out-of-service transformer vandalized

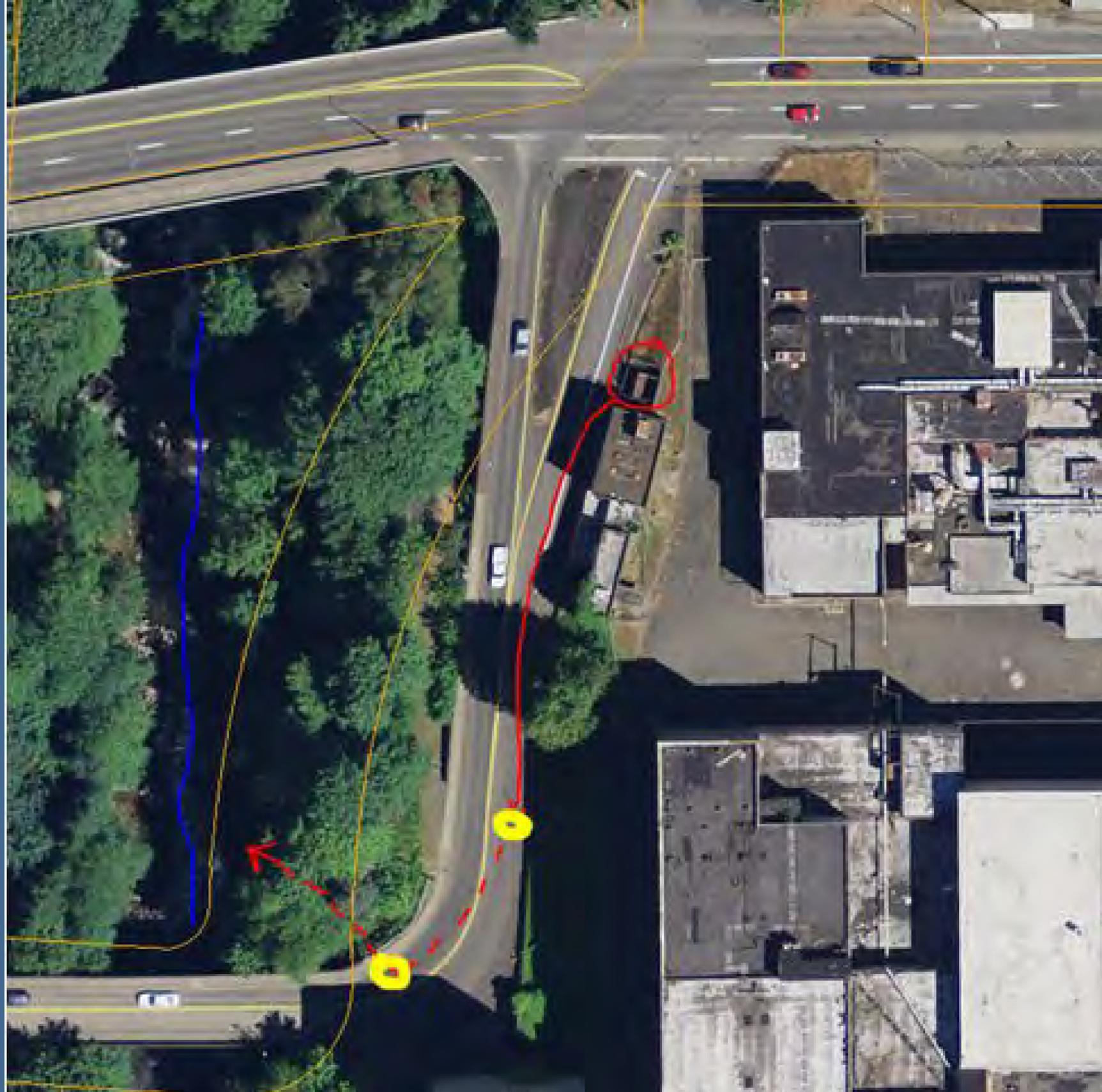


Measuring oil remaining in transformer



602 gallons of 42.1 ppm PCB transformer oil spilled





Path of the oil



Tumwater Falls Park Impacted



Location where oil entered the Deschutes River



Location where oil entered the Deschutes River



## Capitol Lake Impacts



## Capitol Lake Impacts



Protecting Outfall to Budd Inlet



Cowlitz Clean Sweeps hired by property owner



Collecting contaminated debris



Collecting contaminated debris





3.5 miles of shoreline & vegetation impacted





Interpretive trail closed for cleanup



Millions of gallons of oily water treated





Water Treatment System



Water Treatment System



Water Treatment System



Treated water returned to lake



Ecology takes over cleanup in May



# Marathon Park Operations





TRC Companies (formerly Environmental Partners Inc) hired by CCS for environmental analysis





Water, shoreline sediments and lake bottom sediment samples

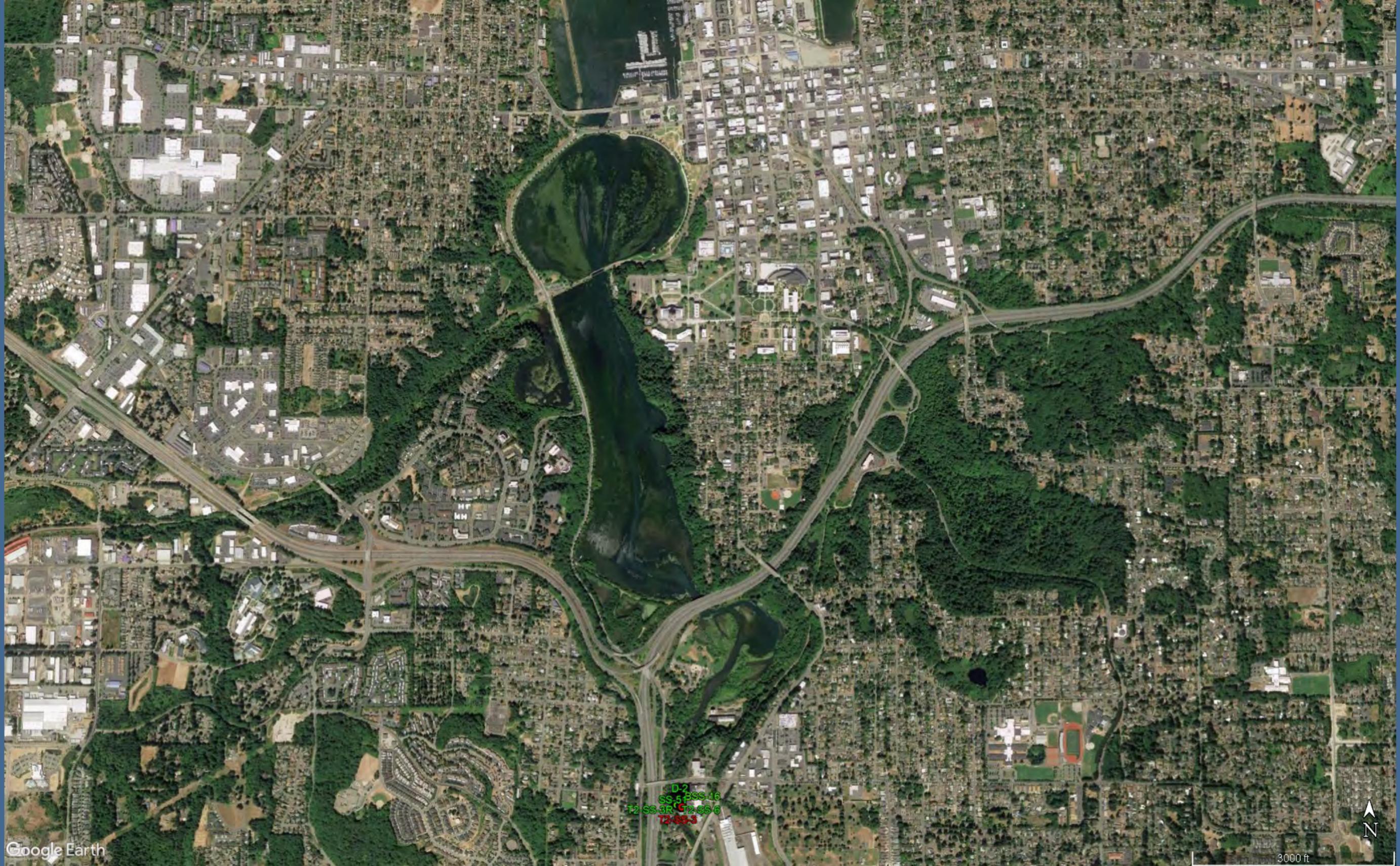




Divers remove contaminated sediments with a vacuum system

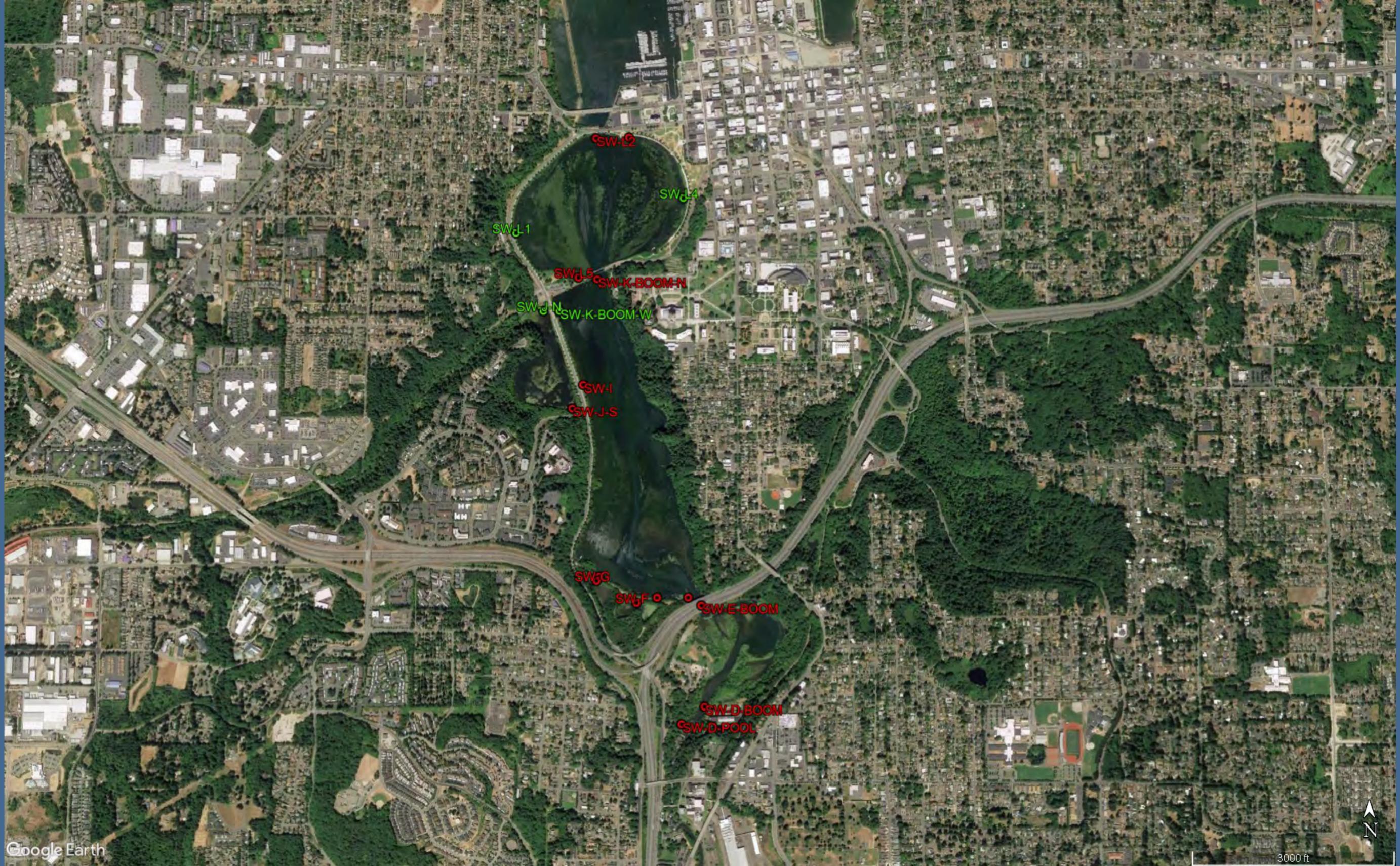


Sediment removal pipeline

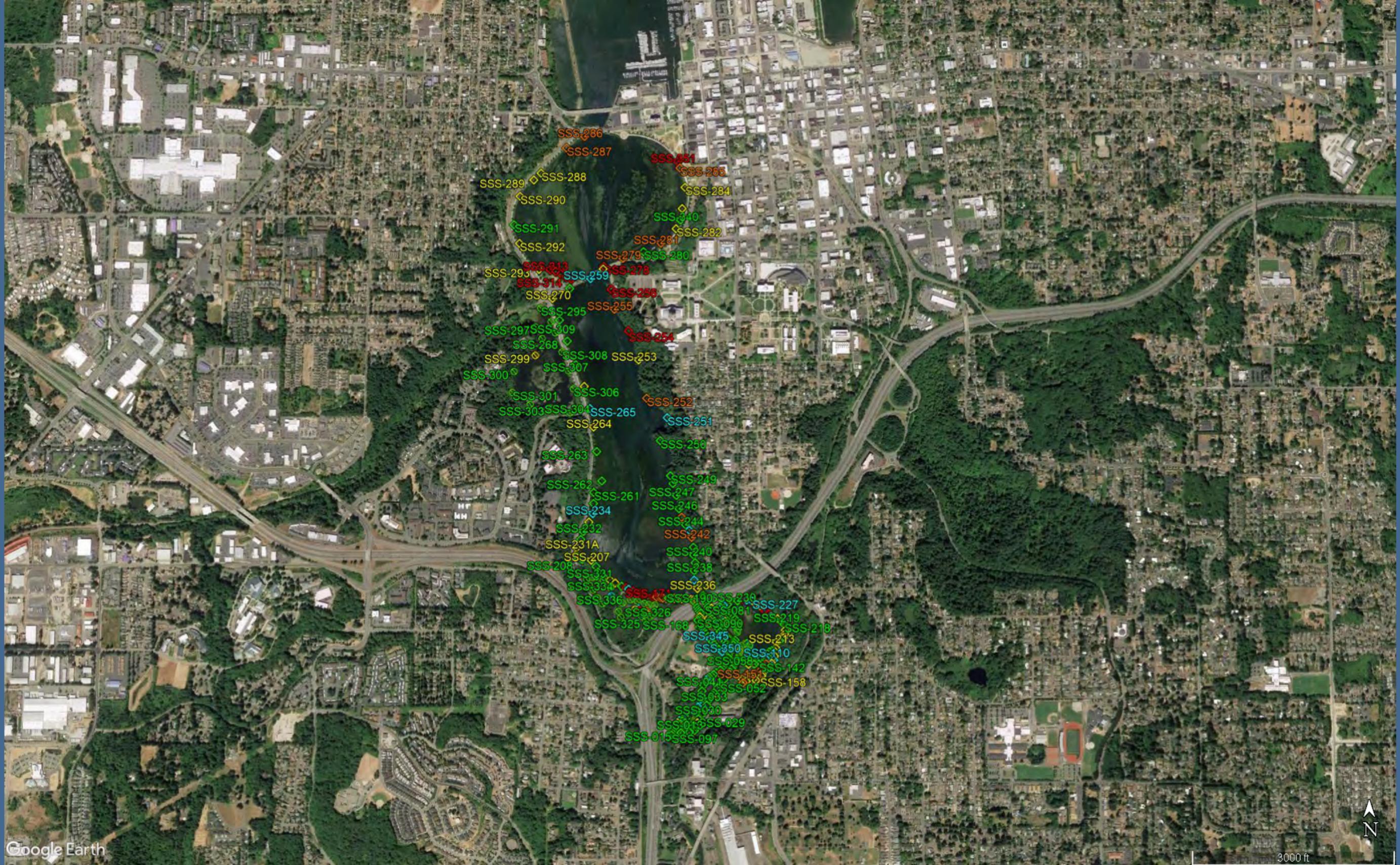


# Upland Soil Sample Locations



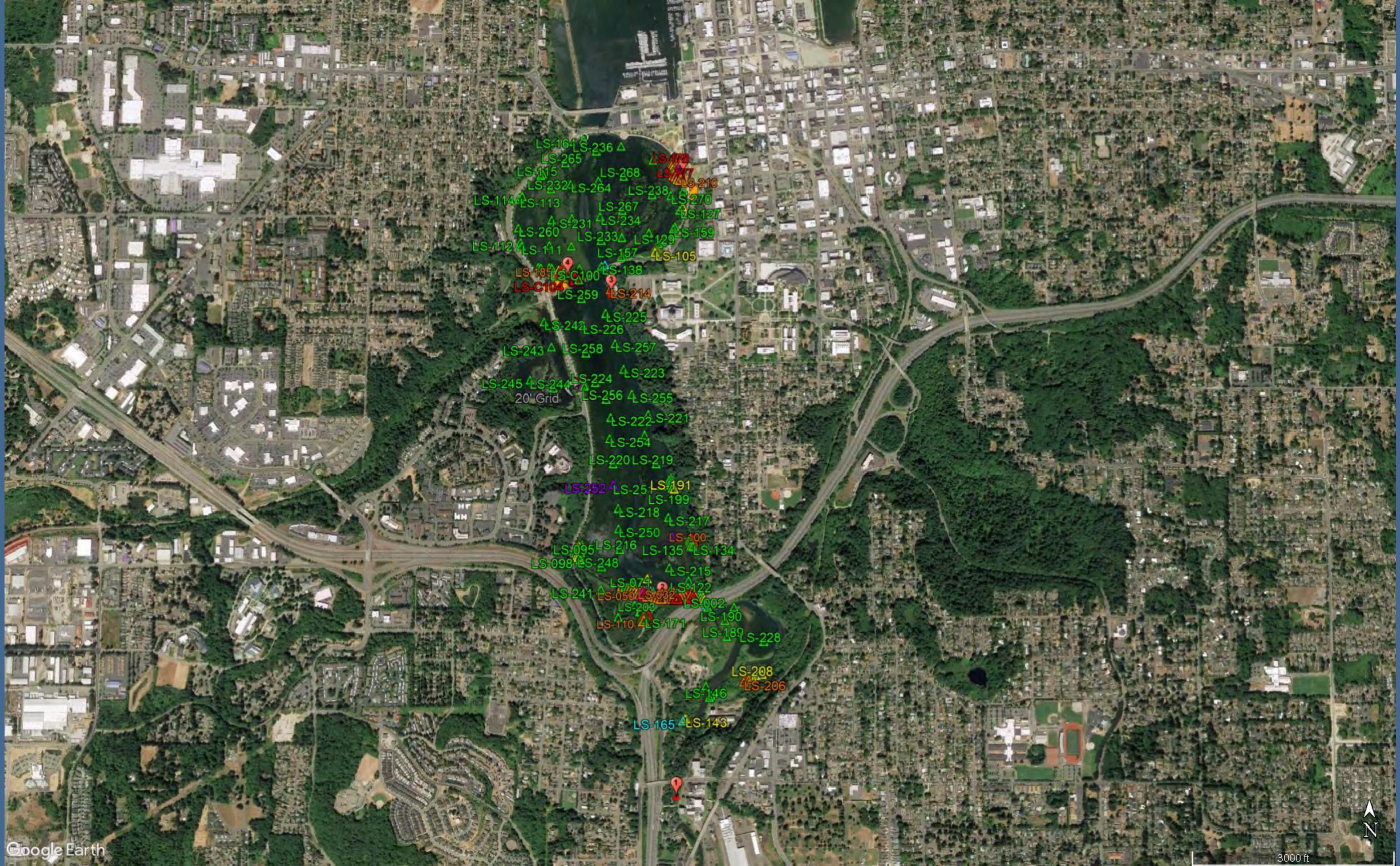


Surface Water Sample Locations

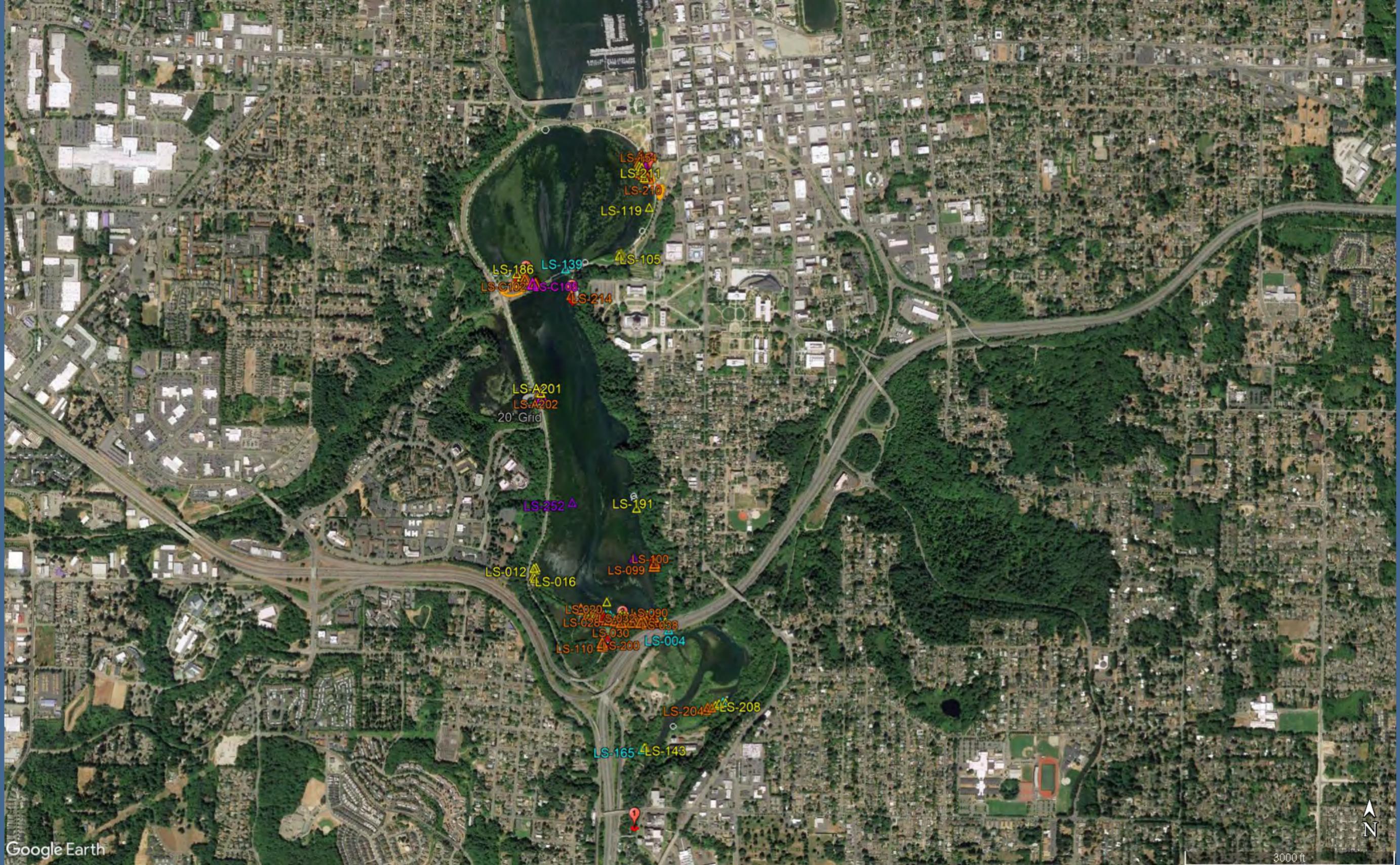


# Shoreline Sediment Sample Locations

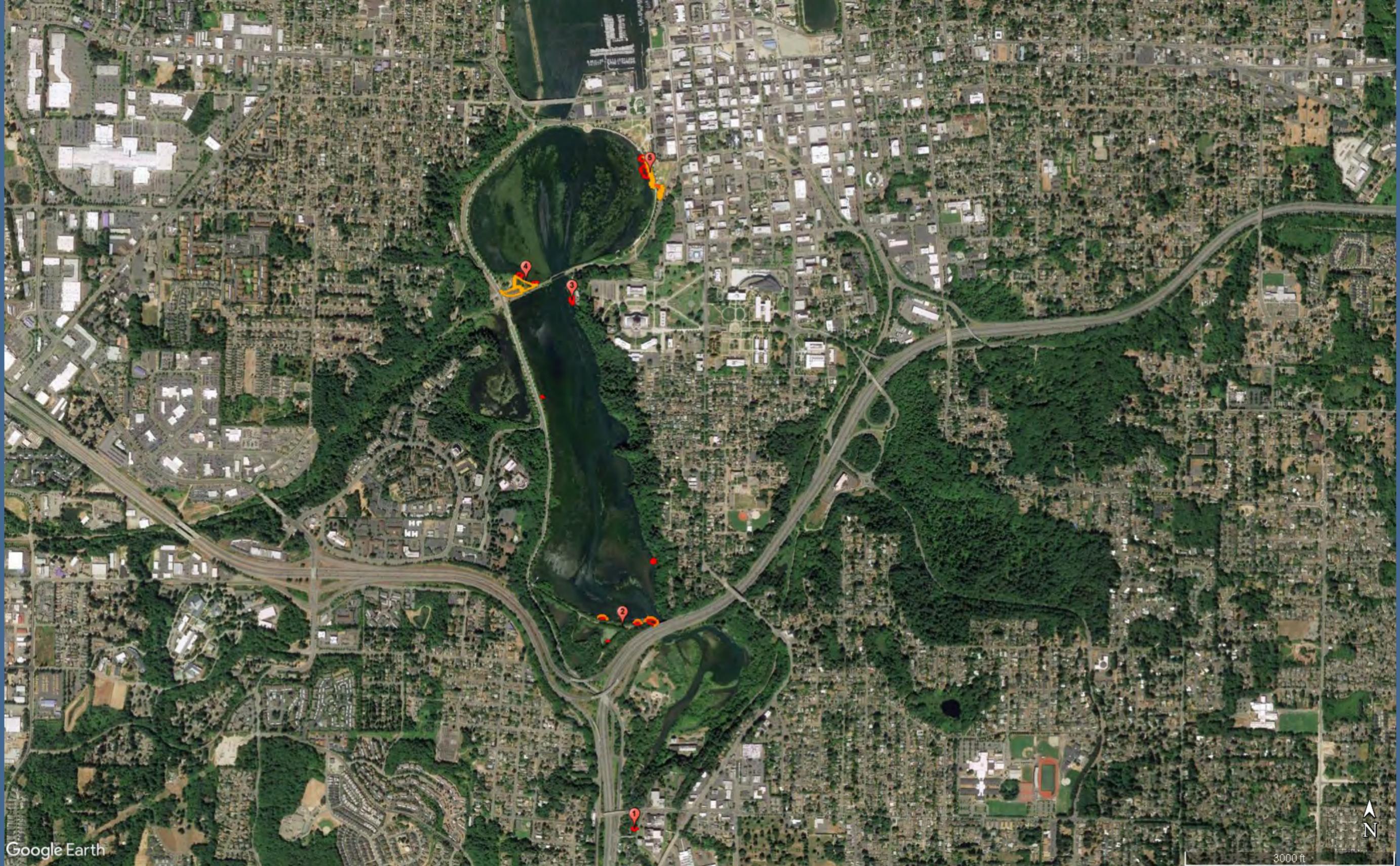




Lake Bottom Sediment Sample Locations



Lake Bottom Sediment Sample Locations



# Proposed Remediation Locations





# South Remediation Locations

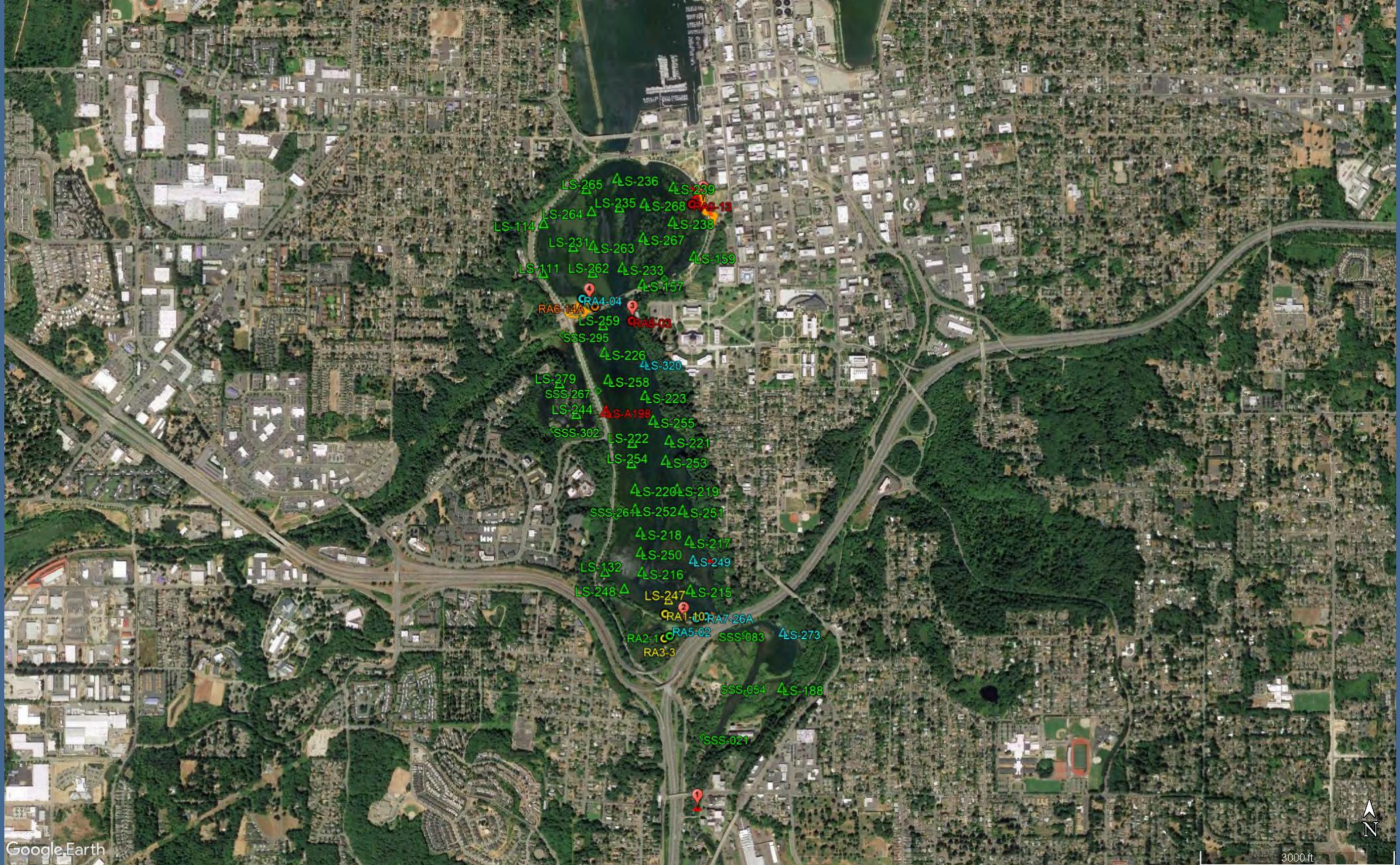




Google Earth

# North Remediation Locations





Sample locations identified to assess area wide exposure

# Post-Cleanup PCB Contamination

## Sediment Cleanup Users Manual

- Absence of data regarding background PCBs
- PQL based cleanup standard
  - Programmatic approach
  - Dioxin-like PCB congeners, sediments
  - 0.7 ppt sum TEQ

## Preliminary Data

- EPA 1668 method
- Results expressed as the sum TEQ
- Kaplan-Meier model indicates the mean sum TEQ is less than 0.7 ppt

# Preassessment Screening



## ERTS# 687507 Olympia Brewery Transformer Oil Spill

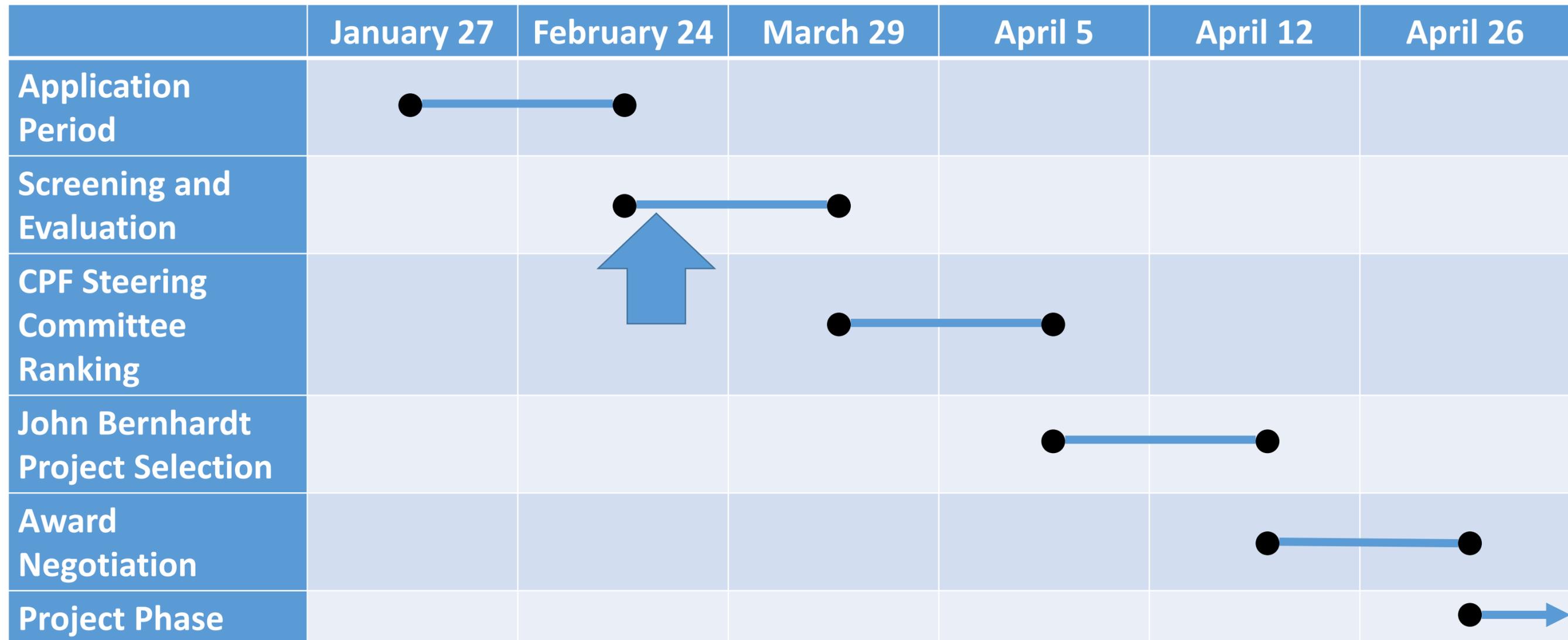
- Estimated spill to water volume: 587 gallons
- Oil Type: PCB Transformer Oil
- Geographic Extent of Impacts: Deschutes River, Capitol Lake and adjacent wetlands
- Volume of oil recovered: None



# Spills Coastal Protection Fund Grant

Update

# Timeline



# Announcements

- Next regularly scheduled meeting:  
Wednesday, April 14, 2021

