

Ship Canal
WATER QUALITY PROJECT



**Seattle
Public
Utilities**



SCWQP Tree Mitigation

Caitlin Rohan

May 18, 2022

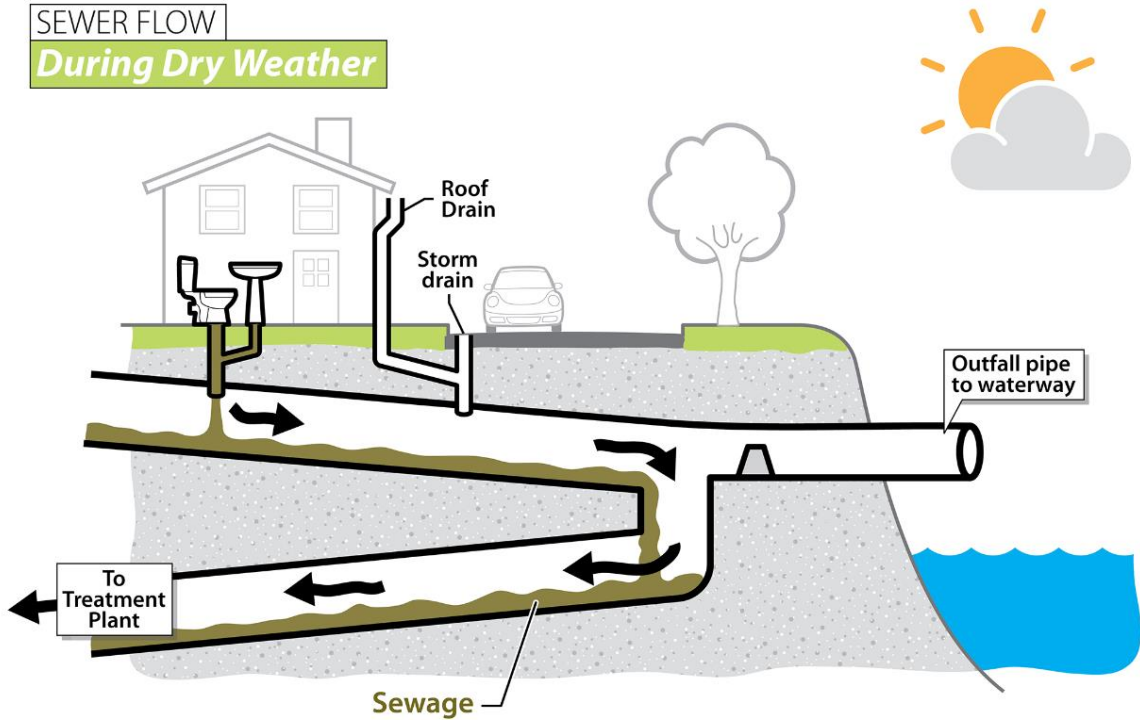


Agenda

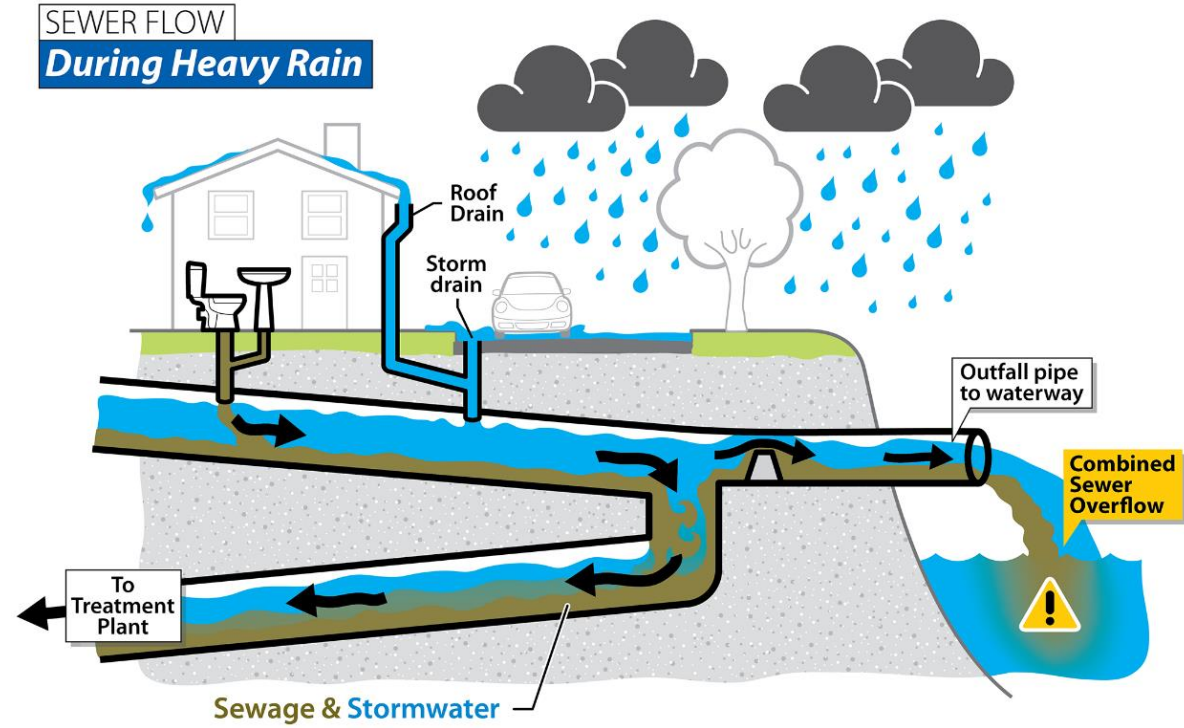
- Ship Canal Water Quality Project (SCWQP) Overview
- Updates since last Briefing (Feb 2020)
- Tree Mitigation Timeline
- Tree Inventory & Assessment
- Questions

Combined Sewer Overflows

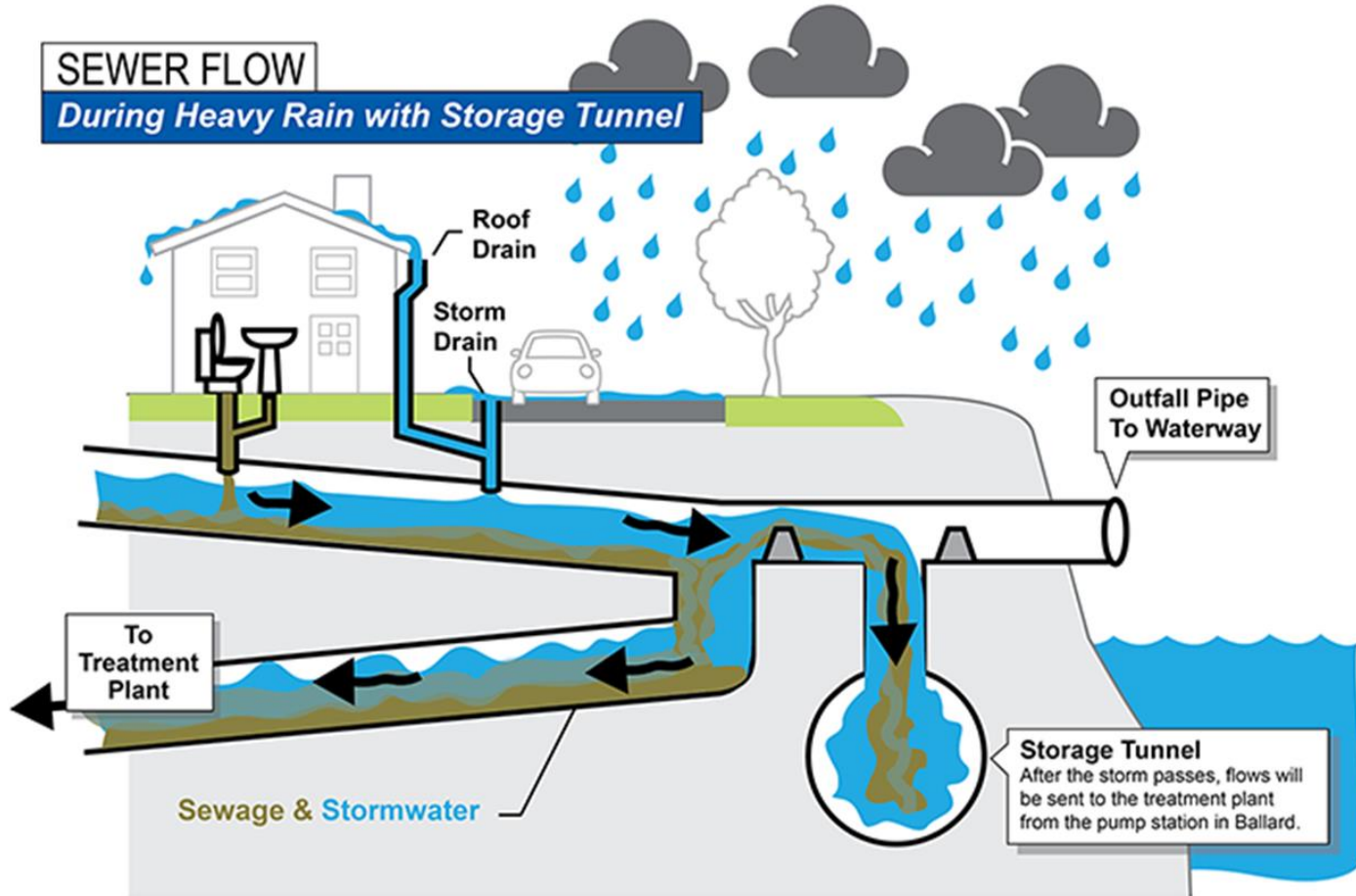
SEWER FLOW
During Dry Weather



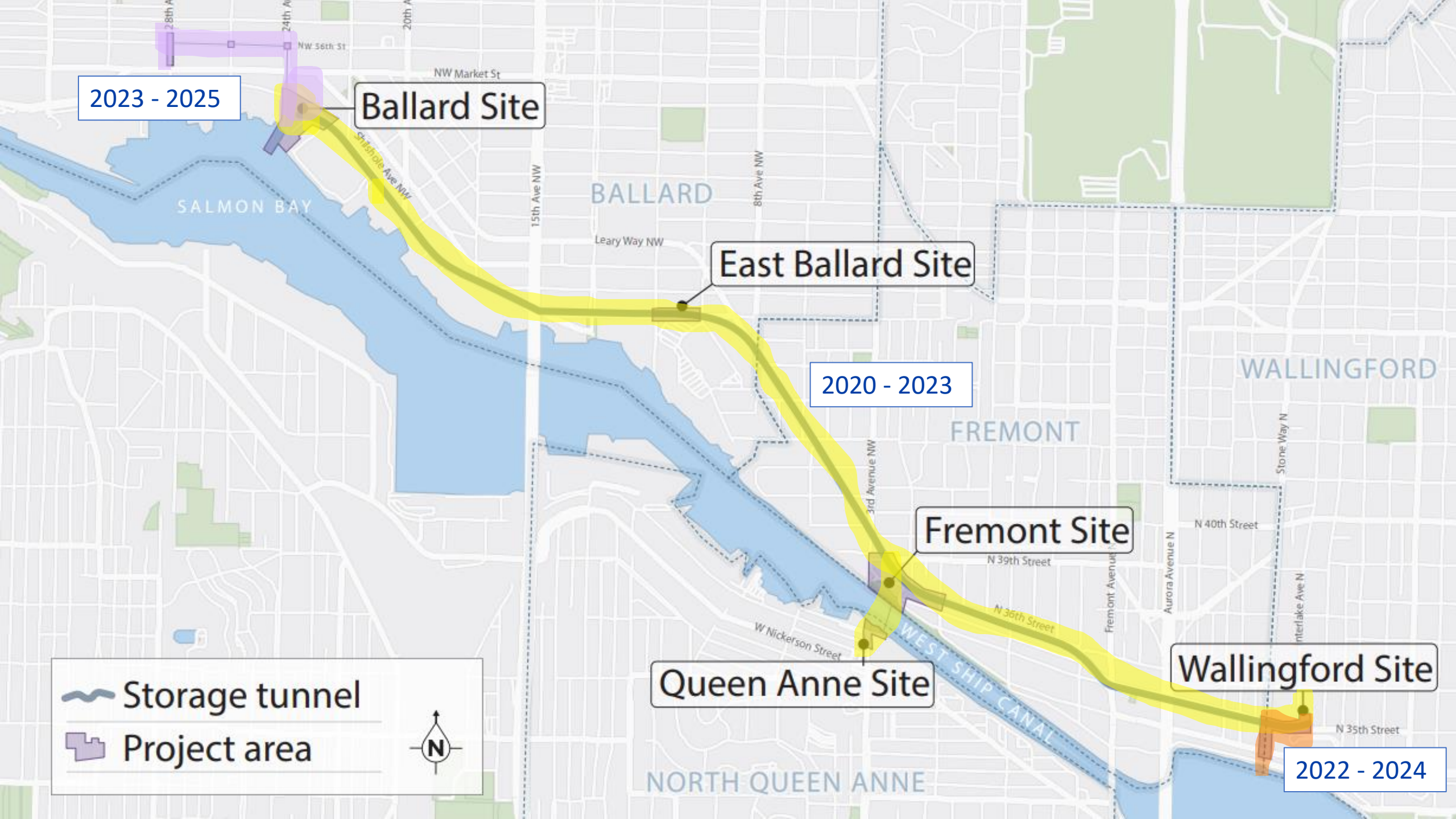
SEWER FLOW
During Heavy Rain



Solution: Ship Canal Water Quality Project



- EPA/Dept of Justice Consent Decree, 12/31/2025 deadline
- \$570M budget
- Joint SPU/King County project
- Will reduce overflows by average of 75 million gallons annually



2023 - 2025

Ballard Site

East Ballard Site


2020 - 2023


Fremont Site


Queen Anne Site

Wallingford Site

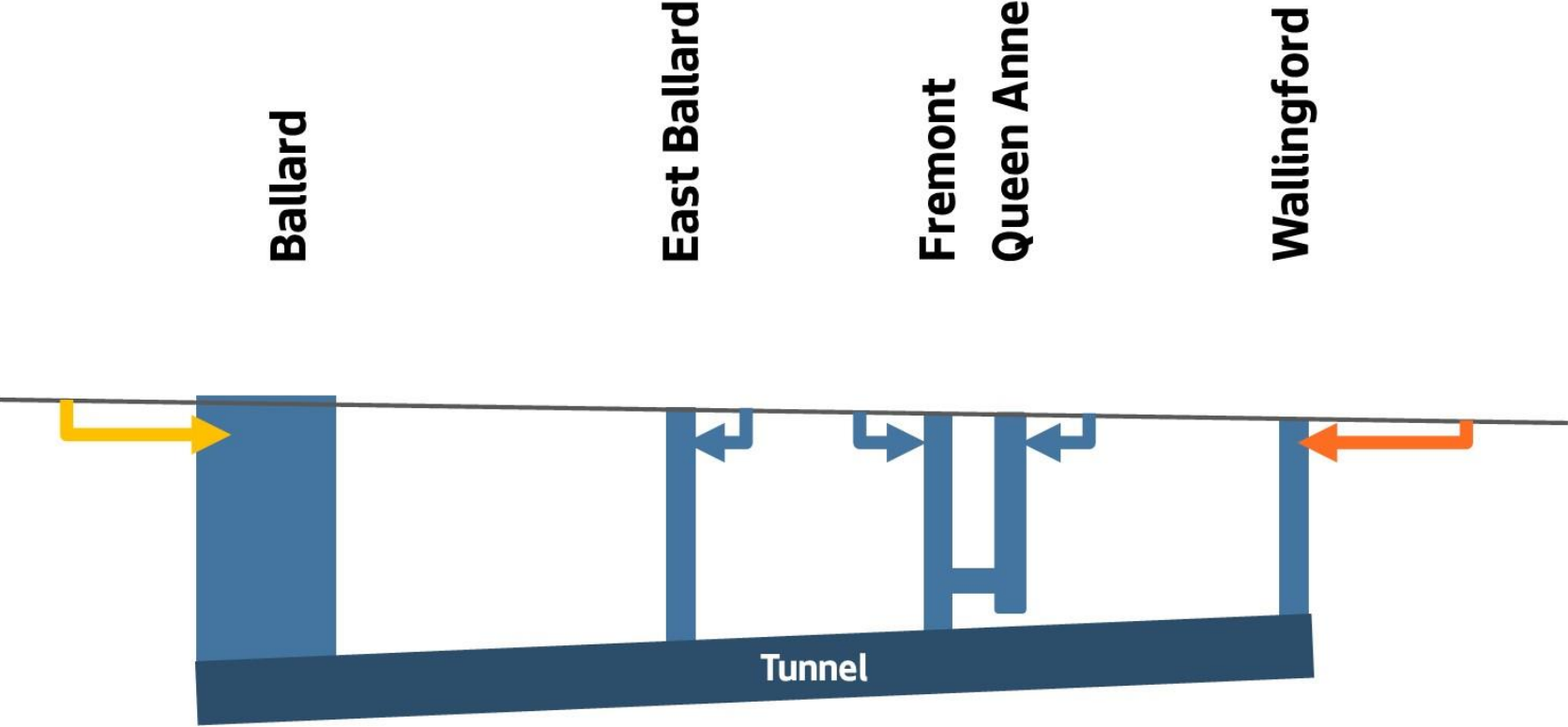
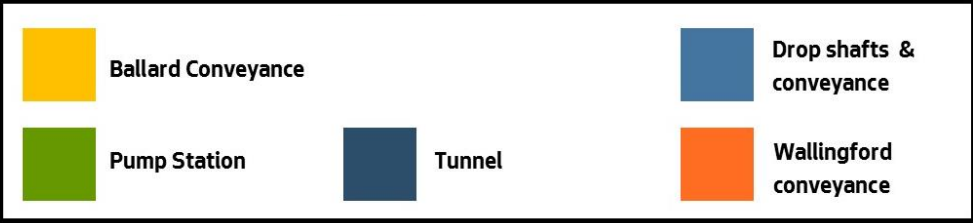
2022 - 2024

 Storage tunnel

 Project area



Project Components

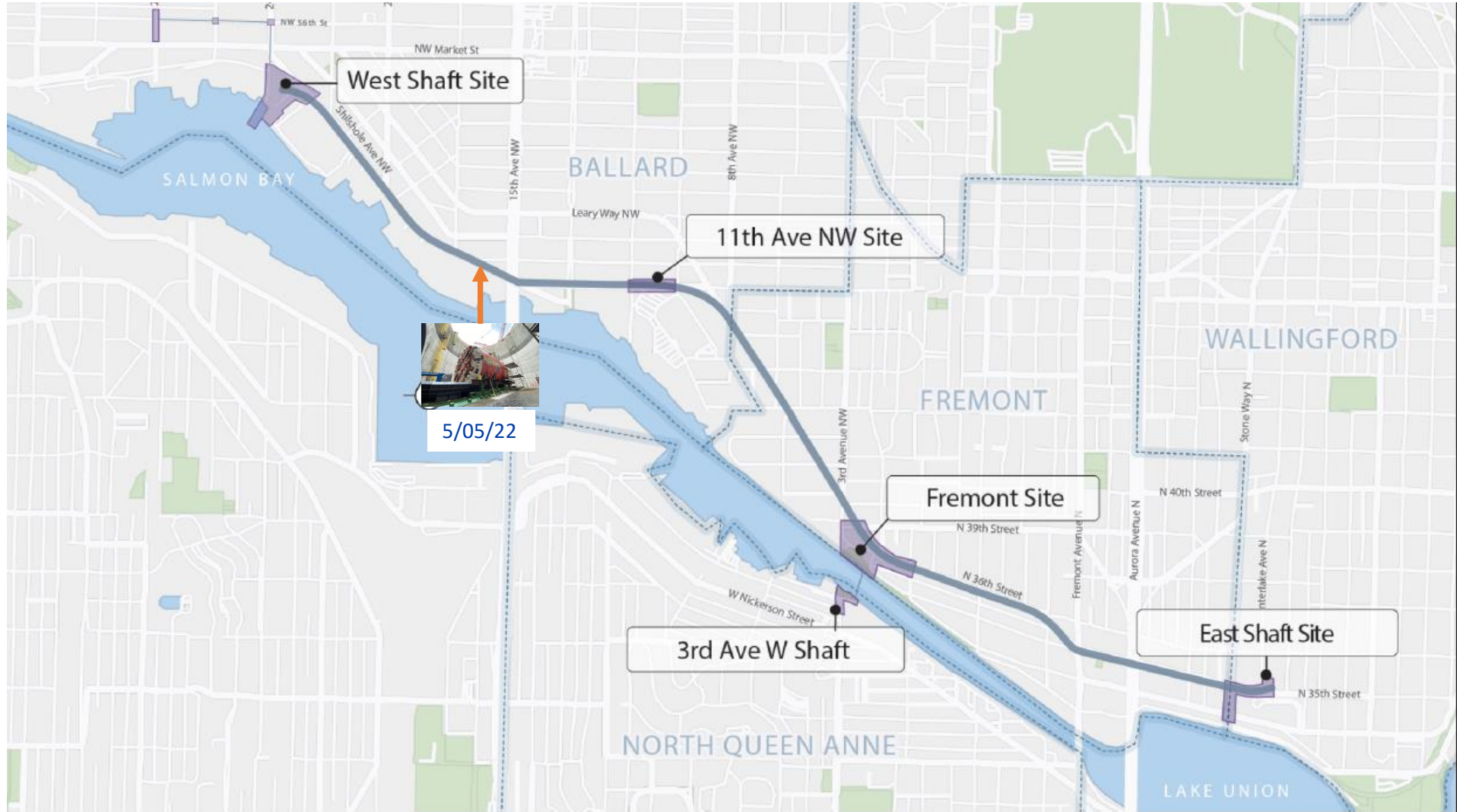


Ballard Shaft 2022



City of Seattle

Where is MudHoney?



Tunnel Construction and Logistics

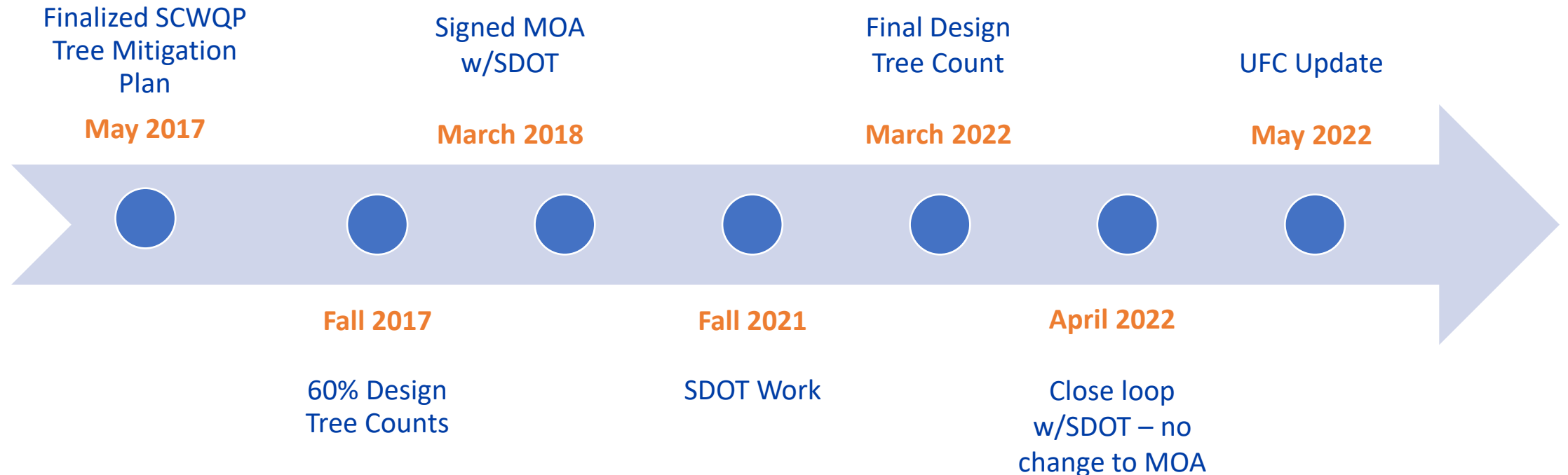


Updates since last briefing

- Final designs completed on all of SPU's Ship Canal Water Quality projects
- Tree counts updated
- Tree mitigation with SDOT for SCWQP is complete; SCWQP projects will plant trees until construction completion in 2025



Tree Mitigation Timeline

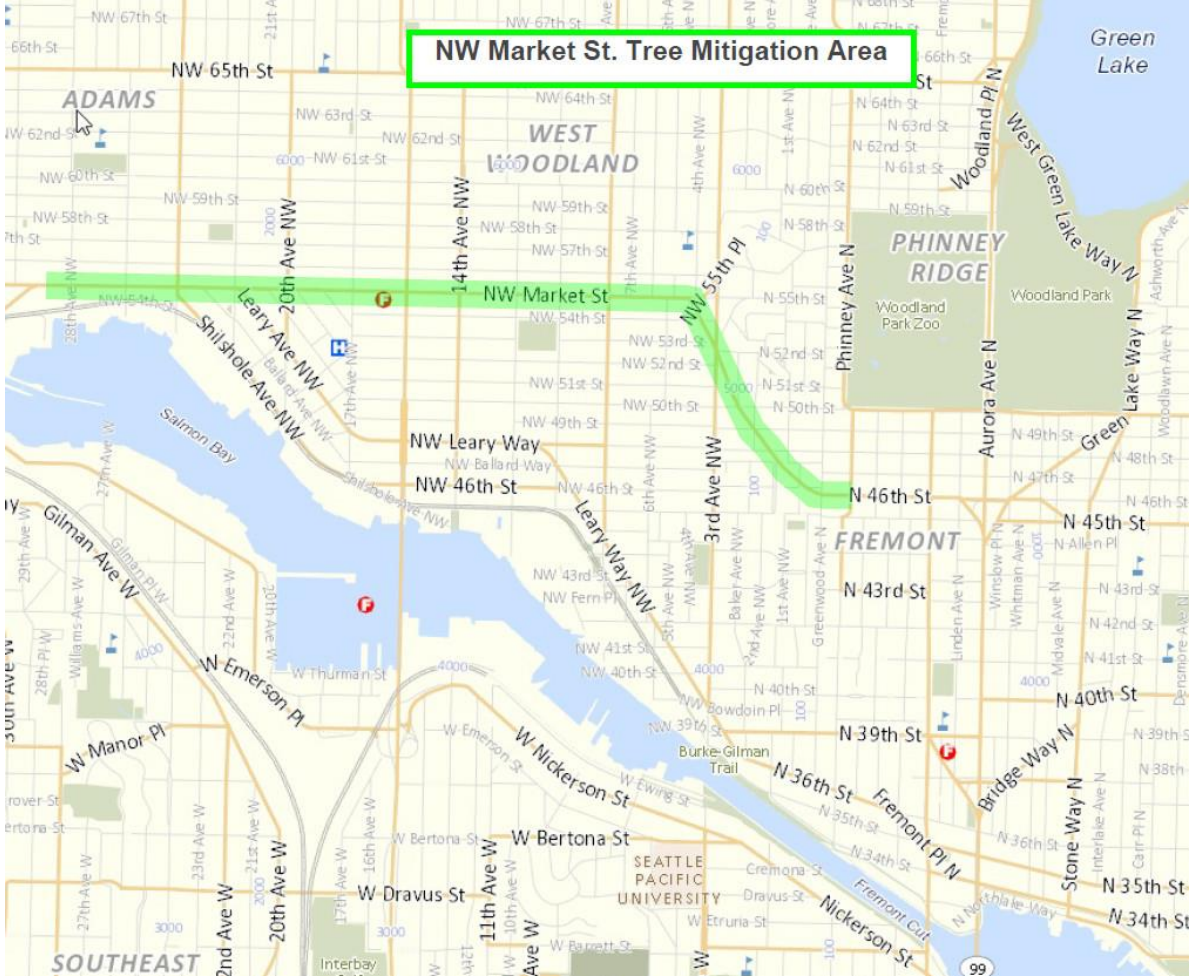


Tree Inventory & Assessment

	Initial Assessment @ 60% Design	Final Assessment @ Final Design
Trees qualified for replacement	80	80
Trees to be planted to meet 2:1 EO requirement	160	160
New trees incorporated into project designs (onsite replacement)	129	153
Trees to be replaced via SDOT MOA	31	7

Off-Site Mitigation by SDOT Urban Forestry

- Infill plantings and tree pit soil augmentation prior to planting



Questions?

- **Caitlin Rohan**, Ship Canal Water Quality Project

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