



**King County**

Department of Natural Resources and Parks  
**Wastewater Treatment Division**

# CSO Control Program Update

Presented to:

Engineering and Planning Subcommittee of the  
Metropolitan Water Pollution Abatement Advisory Committee

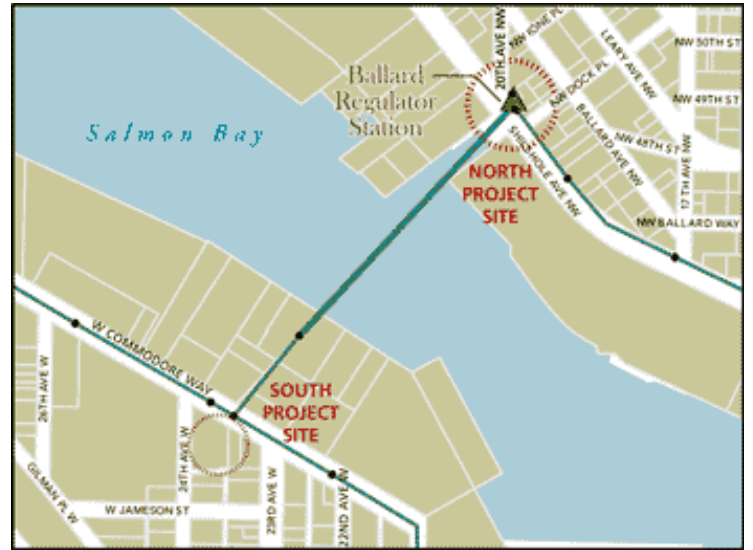
November 7, 2013

# Consent Decree/CSO Control Plan Implementation

- ▶ All projects in consent decree are on schedule to achieve their critical milestones
- ▶ West Section Sewer Systems Operation Plan submitted to EPA in Sept.
- ▶ Consent Decree Annual Report submitted to EPA in Oct.
- ▶ Work is under way on the SPU–County Joint Operations and System Optimization Plan
  - Completed MOA committing both agencies to development of the Joint Plan
  - Staff from both agencies participated in 10 educational activities to improve understanding of each other's system and facilities

# CSO Control Project Implementation

- ▶ Ballard Siphon project on schedule for completion by end of Dec.



# South Magnolia CSO control project recent achievements

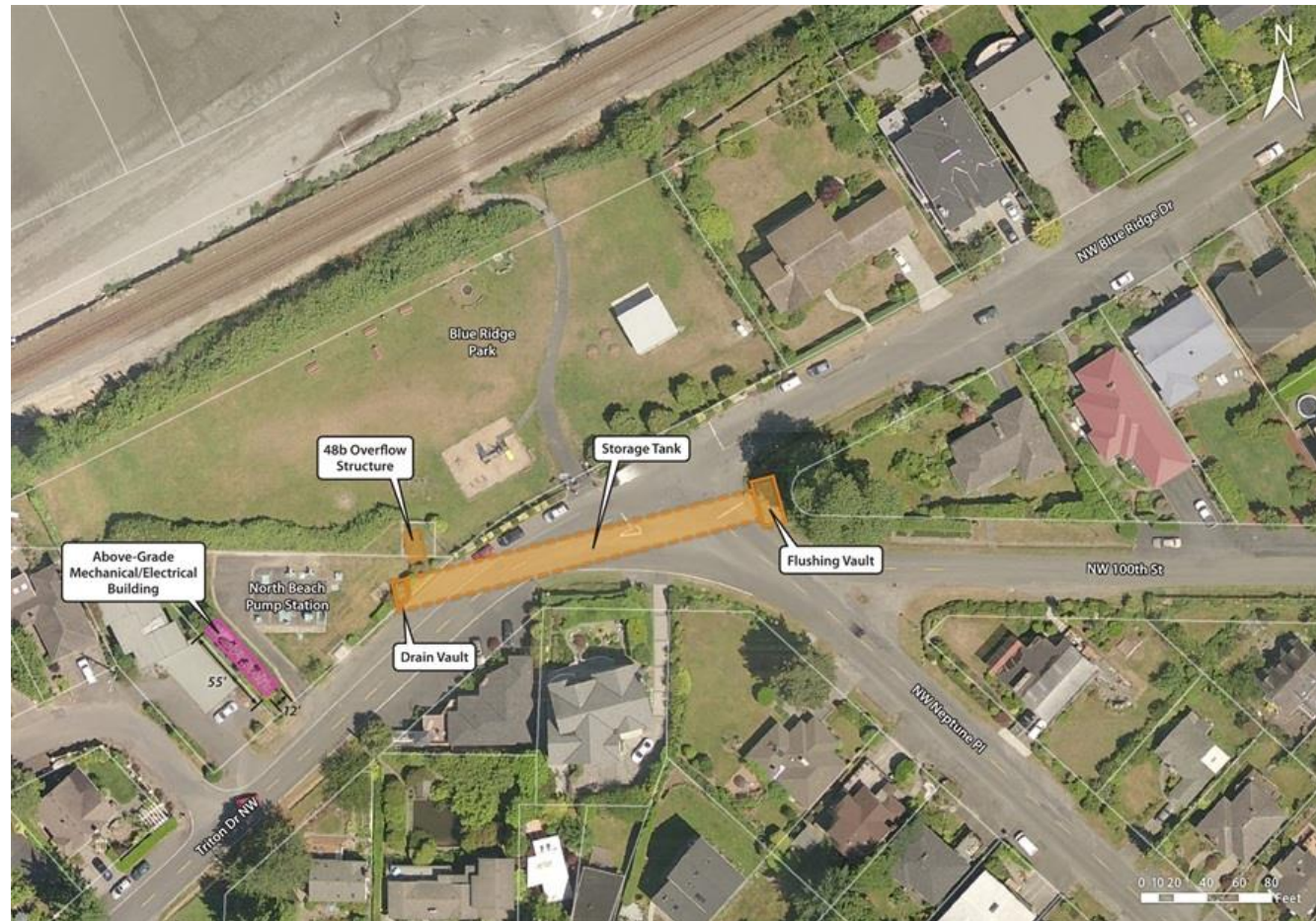
- ▶ Completed final design for storage tank
- ▶ 5 bids received for storage tank; Notice to Proceed by end of year
- ▶ Completed 90% design for conveyance





# North Beach CSO control project recent achievements

- ▶ Completed final design
- ▶ Received 7 bids
- ▶ Notice to Proceed to Stellar Construction



# Murray CSO control project recent achievements

- ▶ Completed deconstruction work
- ▶ Notice to Proceed to Shimmick Construction





# Barton CSO control project recent achievements

- ▶ Completed final design of bioretention swales
- ▶ Advertised construction contract, received 5 bids
- ▶ Notice to proceed to Goodfellow Brothers Construction

## Project Milestones

	2013	2014	2015
Gas line adjustments		Summer 2013	
Hire contractor		Summer 2013	
Tree transplant and removal		Fall 2013-February 2014	
Well construction		January-May 2014	
Pre-construction community meeting		Early 2014	Early 2015
Construct swale system on 8 streets		March-October 2014	
Construct swale system on 7 streets		March-October 2015	
Ongoing facility maintenance			October 2014 & beyond
Community outreach and engagement	Throughout		

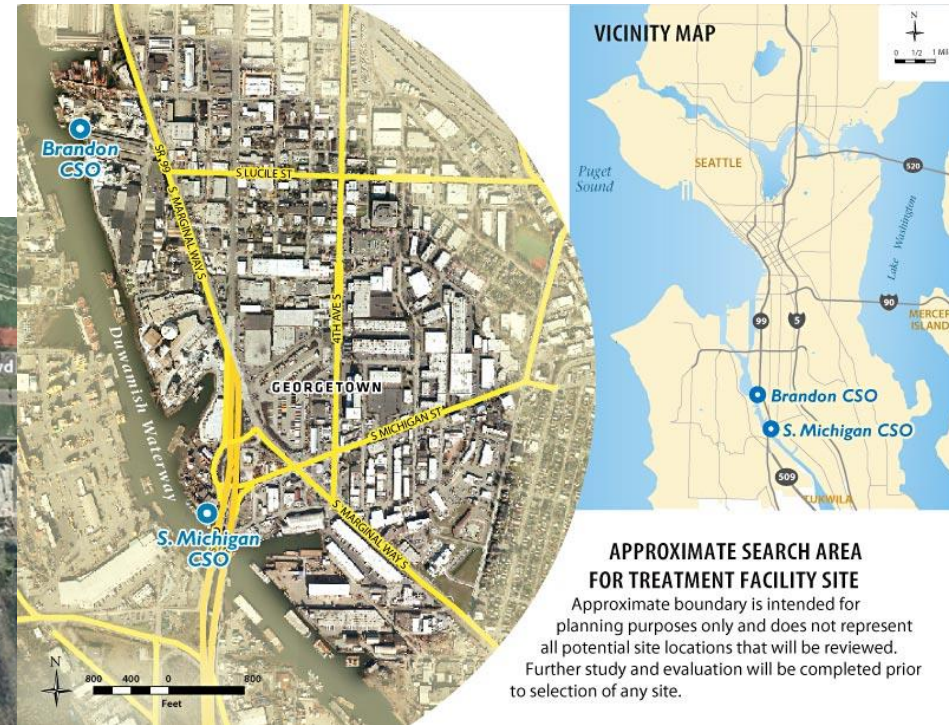
Barton CSO Control Project Area, Updated May 2013



# Planning has begun on two CSO control projects

- ▶ Hanford #1 CSO control project
- ▶ Brandon/Michigan CSO control treatment facility

Hanford #1 project area



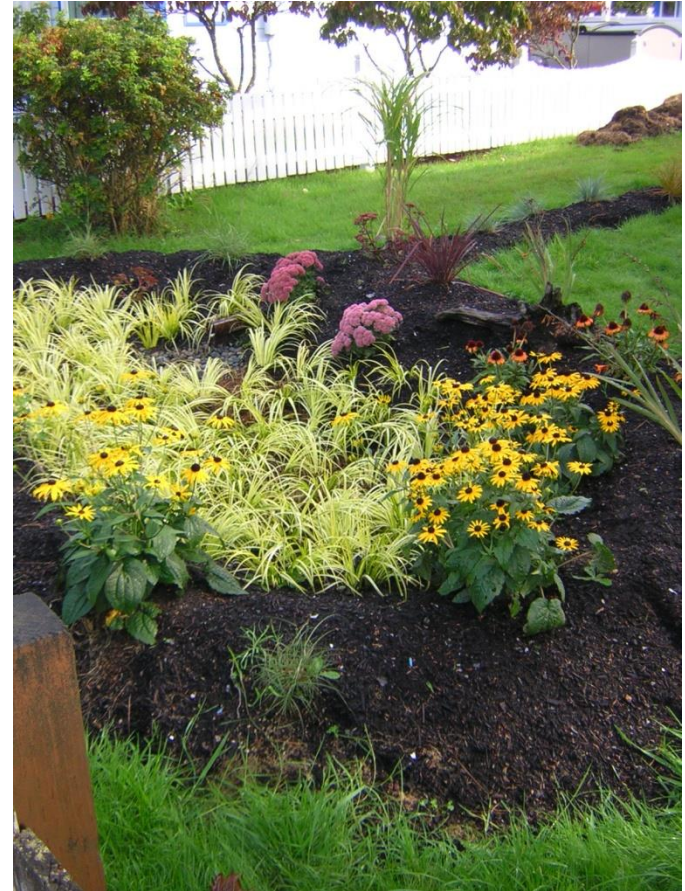
Search area for Brandon/Michigan site



# Green Stormwater Infrastructure (GSI) achievements

- ▶ Completed agreements with SPU
  - RainWise Program
  - Joint GSI Program Management
- ▶ Began modeling and field work for West Michigan and Terminal 115 CSO control projects
  - Geotechnical work under way
  - Models built and calibrated

# RainWise Program



- ▶ Joint SPU and WTD Program
  - Water and Land Resources Division providing inspection services
  - 35 projects since June 2013

# Water Quality Assessment

- ▶ Scope of work approved by King County Council in September
- ▶ A first step is to conduct a thorough review and synthesis of existing data and studies pertaining to water quality in areas where King County CSOs discharge
- ▶ Scientific and technical review team expected to be formed in early 2014



# Questions?



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