

ENVIRONMENT COMMITTEE AGENDA

October 11, 2018 – North Conference Room

21630 11th Avenue South – Des Moines 98198

6:00P – 6:50 PM

1. Approval of the minutes of the 9.13.2018 meeting (Chair to call the meeting to order and start @ 6:00 pm)
2. WRIA 9 McSorley Creek Shoreline & Pocket Estuary Project (Info, 6:00 to 6:30 pm)
King County staff will brief the Committee of the status and objectives of this watershed restoration project.
3. Midway Sewer Comp Plan Response Follow-up (Action Item, 6:30 to 6:50)
This is a follow-up to questions raised by Committee concerning Midway Sewer District's response to the use of Low Pressure Systems.

DRAFT MINUTES - ENVIRONMENTAL COUNCIL COMMITTEE MEETING 9.13.2018

The meeting was called to order @ 6:00 PM, Thursday, June 14, 2018, in the North Conference room @ 21630 11th Avenue South, Des Moines with the following in attendance:

Council Members

Traci Buxton (Chair)
Robert Back
Matt Pina

City Staff

Brandon Carver, PW Director
Loren Reinhold, SWM Utility Manager
Michael Matthias, City Manager
Beth Anne Wroe, Finance Director
Peggy Volin, Admin Asst. II

AGENDA:

1. Approve minutes of the 6.14.2018 meeting
2. 2019 SWM Rate Update
3. CIP Project Update
4. Midway Sewer Comp Plan Response

MEETING:

1. Approve the minutes of the June 14, 2018 meeting: Unanimously approved.
2. 2019 SWM Rate Update – SWM Utility Manager Loren Reinhold briefed the Committee on the 2019 SWM Rate Adjustment and how the rates are tracking with the projected rates assumed in the 2015 SWM Comprehensive Plan. He pointed out that Des Moines is in the middle of the chart for jurisdictions in our area.
3. CIP Project Update: SWM Utility Manager Loren Reinhold brought the Committee up to date on the current ten (10) projects that are scheduled for completion and work in progress for the remainder of 2018 and for 2019.
4. Midway Sewer Comp Plan Response: SWM Utility Manager Loren Reinhold outlined to the Committee the letter he had received back from Midway on the City's three areas of concern in their Comp Plan. Committee members raised questions regarding the response for use of low flow pressure systems to serve areas that are difficult to extend gravity facilities. The Committee requested that Legal review what obligation is required by the District under code for planning for future services to un-sewered areas.

Meeting adjourned at 6:50 pm

Minutes respectfully Submitted by: Peggy Volin, Admin Asst II

MCSORLEY CREEK POCKET ESTUARY RESTORATION

Creating better marine shoreline habitat for juvenile Chinook



Project Highlights:

- Improve stream habitat for native fish
- Increase the quality and amount of shallow intertidal nearshore and marsh habitats
- Provide habitat for beach spawning smelt and sand lance—a much-needed food source for native fish

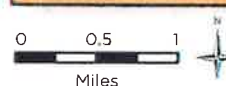


WRIA 9 is partnering with Washington State Parks to remove as much as 1,445 feet of marine shoreline armoring to improve fish and wildlife habitat at the park. McSorley Creek in Des Moines currently enters Puget Sound along a heavily modified shoreline at **Saltwater State Park**. The fill that buried the original beach will be excavated and re-graded to a natural beach.

- Restore natural ecosystem processes to one- to-two acres of intertidal habitat at the creek delta as well as improve sediment dynamics for a mile and a half of beach downdrift of the park.
- The area adjacent to the mouth of the creek will be planted with dune grass and other native plants and shrubs.
- The community uses the park, especially the stream and salmon runs on McSorley, as an educational tool; creating a healthier habitat around the creek will enhance this program.

For more information:

<http://www.govlink.org/watersheds/9/>



Washington State
Recreation and
Conservation Office
Salmon Recovery
Funding Board



Saltwater State Park Restoration Project Central Puget Sound Watershed

King County, in collaboration with Washington State Parks, is currently in the "preliminary design" planning stage of a stream and shoreline restoration project at Saltwater State Park. The mouth of McSorley Creek, which flows through the park, is currently bulkheaded with rip-rap. This project will examine removing the rip-rap at the creek's mouth to make the creek more accessible for fish and the beach more accessible to people. The project may also include shoreline restoration, such as removing the bulkhead along part of the shoreline, while improving recreational amenities.



Mouth of McSorley Creek

Why are we doing this project?

Removing the bulkhead at the creek's mouth and restoring some of its ability to flow naturally will help bring back natural processes that create juvenile Chinook salmon habitat and improve nearshore baitfish spawning. The WRIA 9 Salmon Habitat plan identifies McSorley Creek as a high priority project for restoration of natural beach feeding (sediment) processes. Additionally, recent high tides have flooded the Saltwater Café, and the café is at risk of flooding more frequently in the future. Designing a project that addresses these issues provides a great opportunity to enhance the recreational amenities at the same time.

Current status

The project continues to move forward. After finishing preliminary design on the restoration elements of the project at the end of 2016, 2017 has been spent working on a conceptual design for the upland, or recreation, elements of the park. Preliminary design for the upland portion of the project will occur in 2018. By 2019 we hope to move into final design.

Your input

On November 2, 2017, we met with Friends of Saltwater State Park to get their feedback on the conceptual layout of the lower park area.

We held a public meeting on March 23rd, 2016, to introduce the proposed project and receive input. State Parks staff, the consultant team, and County staff were on hand to present the information and answer questions. The PowerPoint presentation from the public meeting may be viewed [here](#).

Additionally, in July 2015, we conducted an online survey and received 145 responses. Those responses helped shape the evaluation criteria used to determine restoration and enhancement options for the project.

Project location

Saltwater State Park is located along Puget Sound within the City of Des Moines.



Location of Saltwater State Park.

Project partners

King County is partnering with Washington State Parks in a project supported by WRIA 9 and funded through grants from the Washington State Recreation and Conservation Office, Cooperative Watershed Management, and King Conservation District.



Project documents

Project-related documents are posted here as they are completed.

- The Draft Feasibility Report, March 2016.
- Appendix A: Analysis of Shoreline Geomorphic Processes
- Appendix B: McSorley Creek Sediment Trend Analysis – Technical Memorandum

- [Appendix C: Technical Memorandum: Engineering Geologic Evaluation of Proposed Improvements at Saltwater State Park, Des Moines, Washington](#)
- [Appendix D: Archaeological Resources/Built Environment Assessment and Monitoring Results from the Geotechnical Exploration at Saltwater State Park, King County, Washington](#)
- [Appendix E: Historic Building Relocation Cost and Construction Details](#)
- [Progression of possible new designs for lower parking and recreation areas](#)
- [PDF version of the PowerPoint presented at the Public Meeting on March 23, 2016](#)

For more information about the *Saltwater State Park Restoration Project*, please contact [Jennifer Vanderhoof](#), senior ecologist, King County Watershed and Ecological Assessment Team.

Related information

- [Salmon and trout topics](#)
- [Central Puget Sound Watershed](#)

Related agencies

- [Department of Natural Resources and Parks](#)
- [Water and Land Resources Division](#)

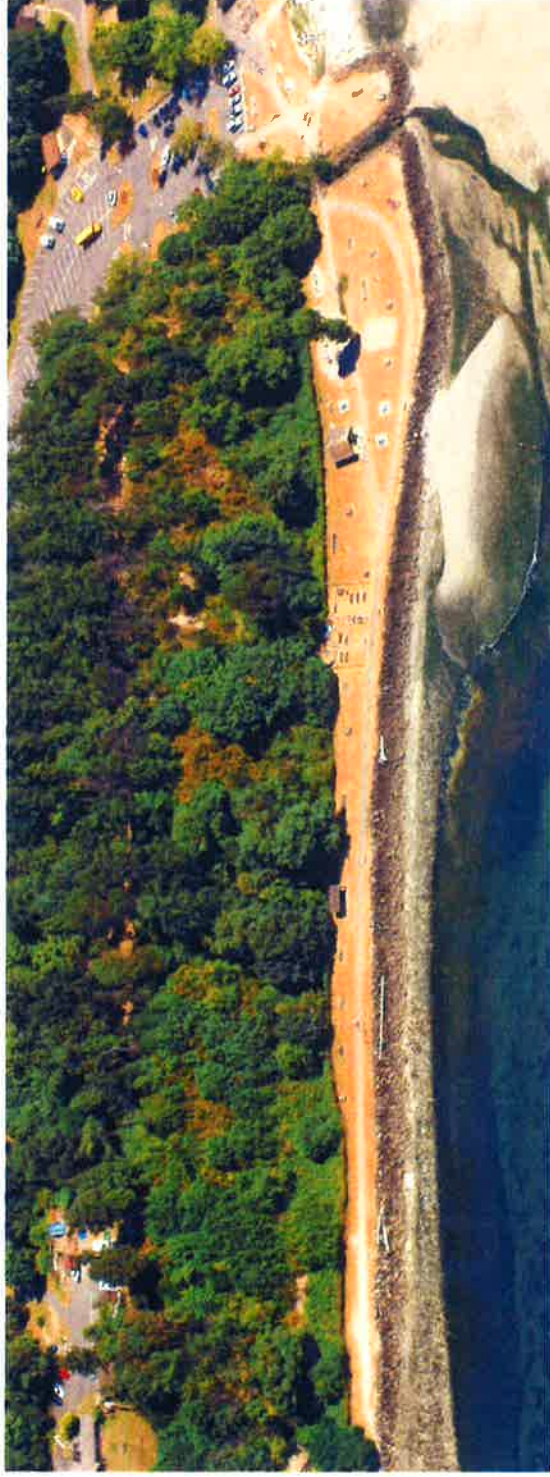
Last Updated December 7, 2016



King County



Public Meeting for the McSorley Creek Pocket Estuary Restoration at Saltwater State Park



March 23, 2016

Meeting Agenda

- Introductions and Meeting Purpose
- Existing Conditions Site Assessment
- Alternatives Development
- Next Steps in Alternatives Development Process
- Questions and Comments



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Introduction and Meeting Purpose



- Introductions
- Purpose of Meeting



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Project Background, Purpose, and Need

- Project Background
 - Green Vision Plan
 - Watershed Salmon Recovery Plan
- Purpose and Need
 - Impaired habitat conditions
 - Bulkhead conditions and flooding issues
 - Expected to get worse over time



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Project Goal



- Improve ecological conditions of McSorley Creek estuary and park shoreline in approach that maintains or improves recreational opportunities and long-term sustainability of park



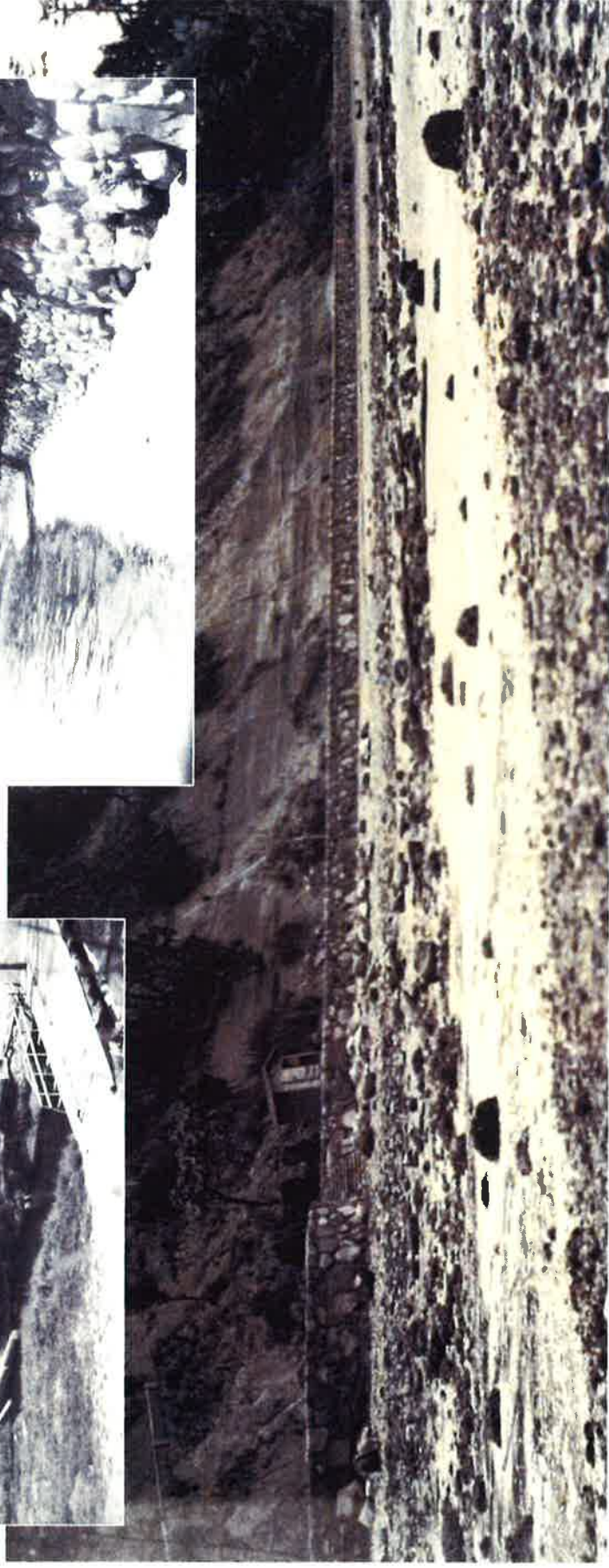
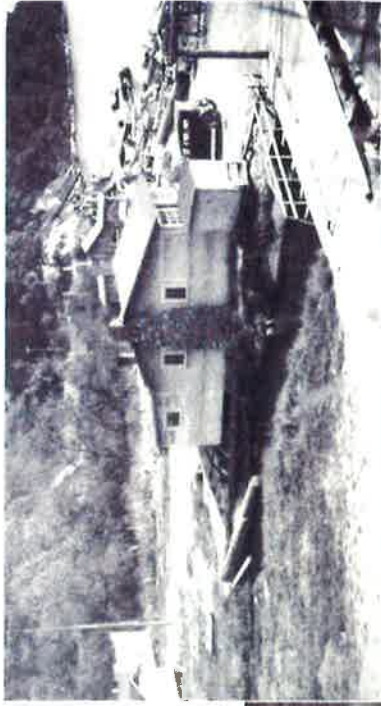
Project Background: The Park



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Project Background: The "CCC"



McSorley Creek Modifications

1929 Creek Channel

1954 Creek Channel



Marine View Dr



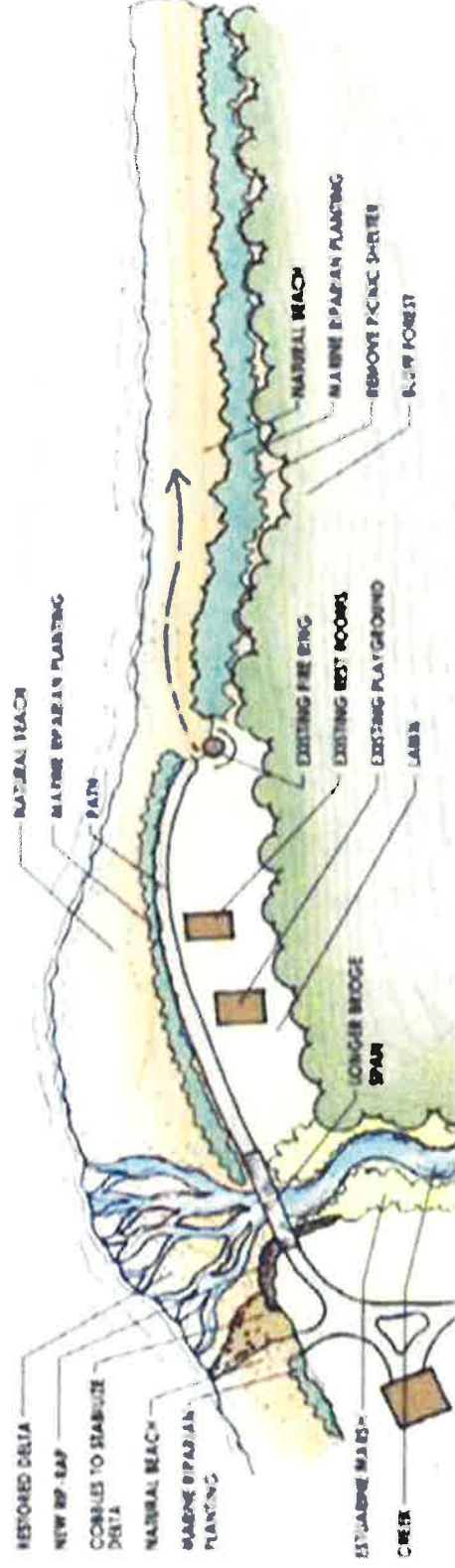
McSorley Creek Mouth Circa 1936



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Project Background: Green Vision Plan



Feasibility Study Objectives:

- Explore options to expand creek channel to enhance pocket estuary habitat
- Reconfigure day use parking (retreat from shoreline)
- Consider removal of floodplain campsites and examine new park facilities options



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Project Background: A History of Restoration

Belfair State Park Shoreline Restoration



Before



After



Project Background: A History of Restoration

Belfair State Park Shoreline Restoration



Before



After



Project Background: A History of Restoration

Penrose Point State Park Shoreline Restoration



Before



After



Existing Conditions Site Assessment



- Coastal Processes
- Geology
- Creek Flow and Sediment Dynamics
- Cultural Resources
- Park Features



Coastal Processes



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Coastal Processes



- Reviewed available historic and current information
- Characterized Coastal Processes at site and identified park modifications affecting processes
- Examined park elevations relative to potential sea level rise increases



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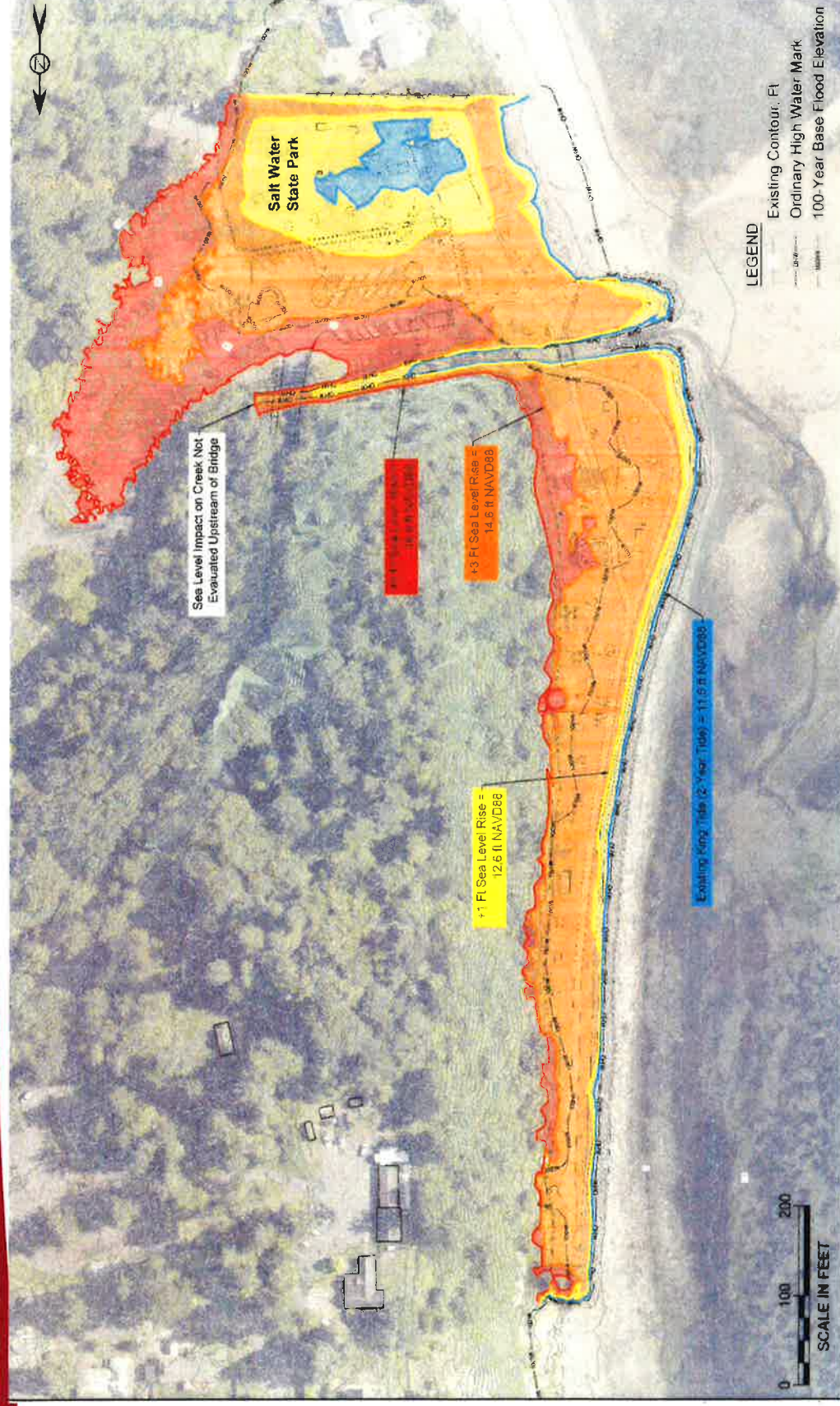
COASTAL PROCESSES

7/26/2006 2:44 PM



Note: Some features may have changed since 2006

Sea Level Rise Analysis



Geologic Investigation



- Reviewed available information
- Performed field reconnaissance
- Examined suitability of site materials for potential re-use in restoration design
- Examined characteristics of the bluff



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Existing Conditions

In the Park



North of Park

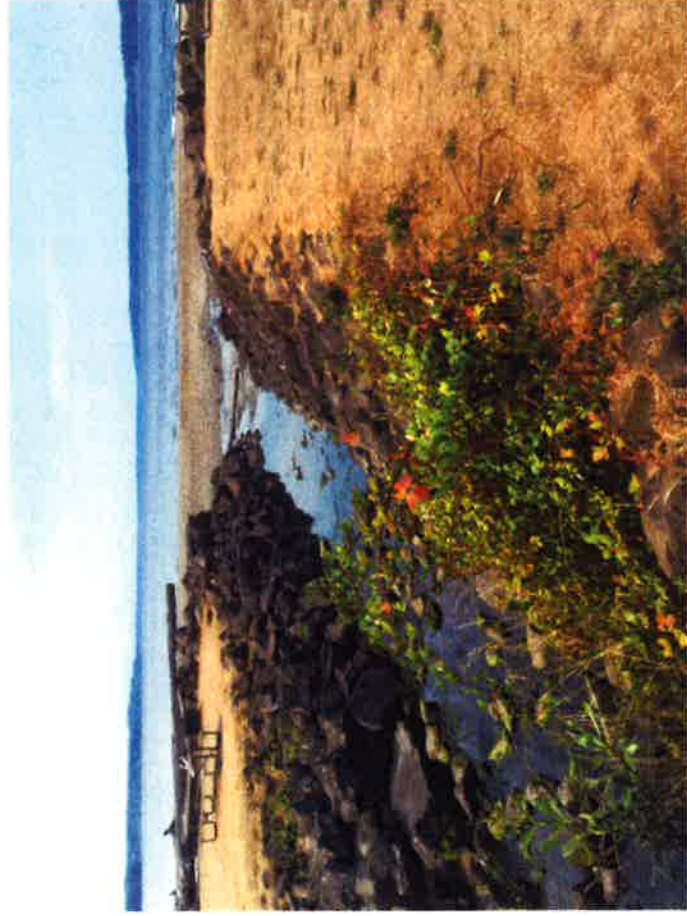


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CONFLUENCE
ENVIRONMENTAL COMPANY

Stream Sediment Transport



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Cultural Resources

- Saltwater State Park has several cultural resources:
 - A shell midden is documented outside the currently proposed development area
 - Several CCC-era built structures, including fire pits, shelters, trails, a sea wall, drinking fountains, and ranger buildings



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Current Park Resources

- Parking spaces park-wide: 257
- Picnic shelters and picnic tables in day-use area west of Marine View Drive Bridge:
 - 3 picnic shelters
 - 122 picnic tables
- Toilet stalls:
 - 10 stalls for day use area
 - 10 stalls at beach area
- Snack shack
- Rinse/shower station
- 2 Fire pits
- Foot bridge
- Playground





5 minutes Q&A on Technical Studies



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Alternatives Development



- Alternatives Development Process
- Planning Objectives
 - Natural features and processes
 - Park recreational and access features



Potential Slope Scenarios

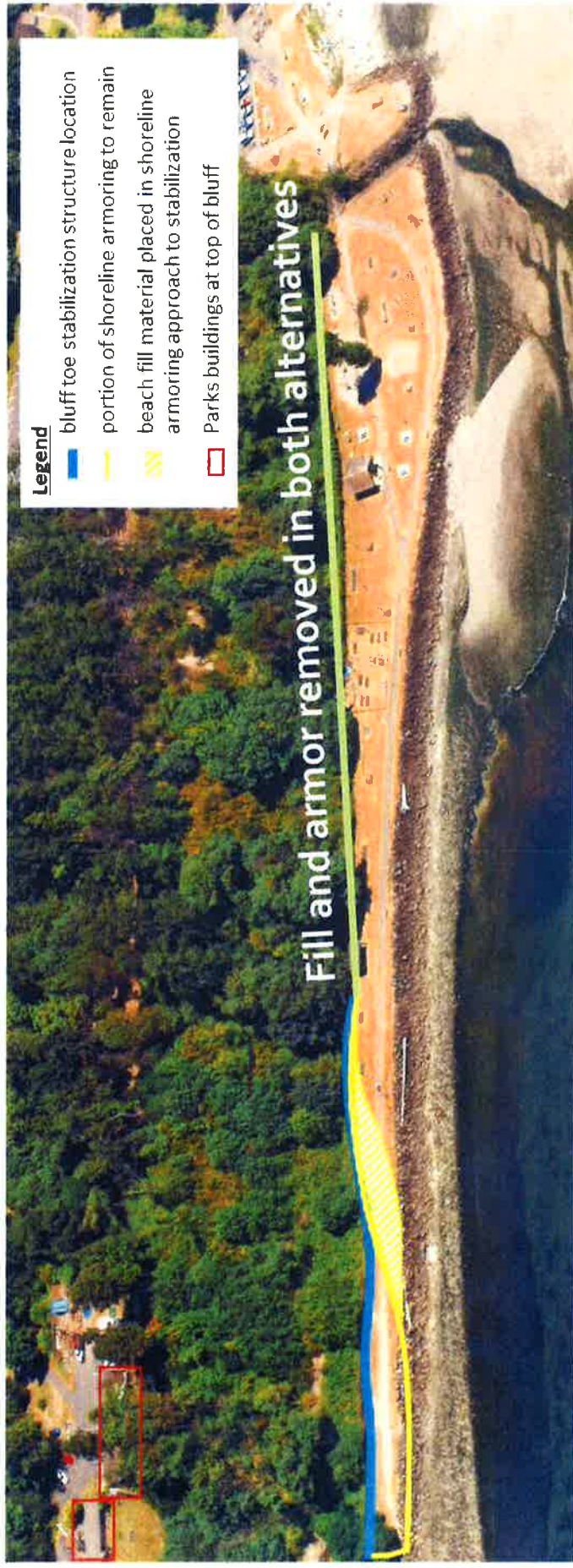


1. No Action
2. Full Revetment and Fill Removal
3. Partial Revetment and Fill Removal
 - a. Remove entire bulkhead and move revetment back to toe of bluff (aka, “Toe-of-slope protection”)
 - b. Remove approximately a third of the bulkhead and reinforce the portion at the north end



Bluff and Revetment Alternatives

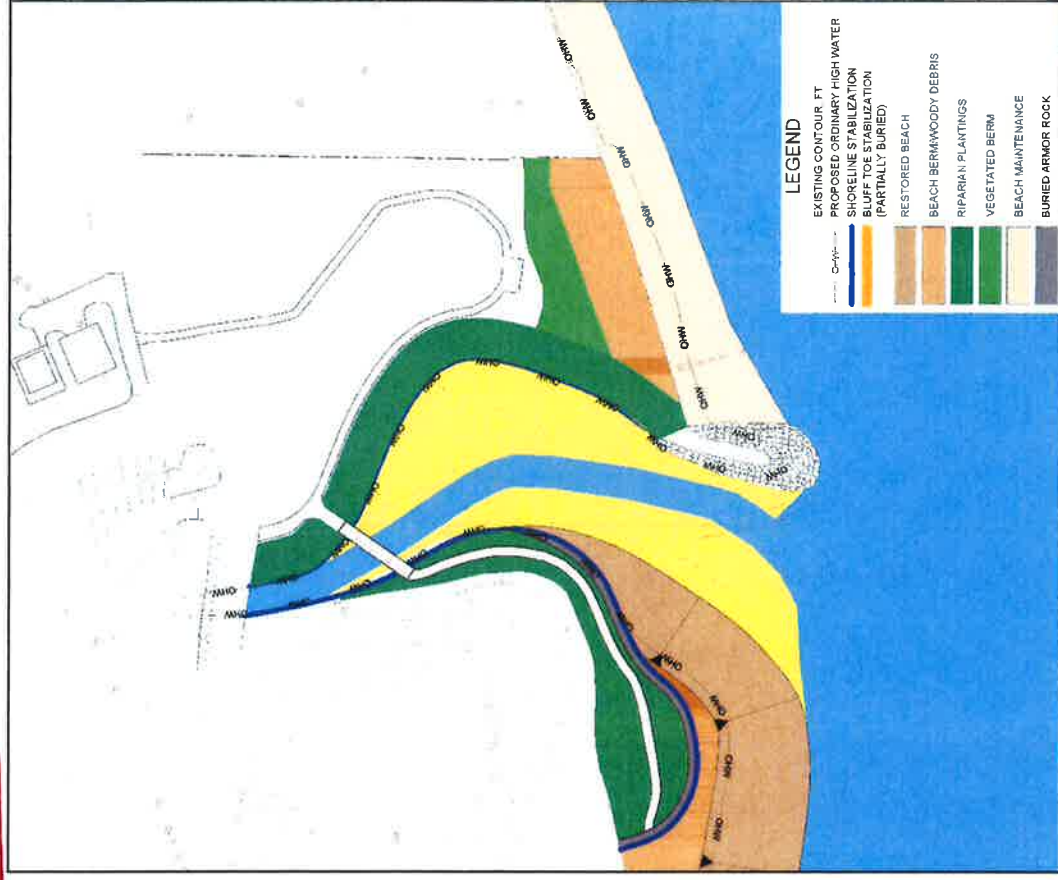
- Full removal
- Partial removal



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Estuary and South Beach Design Concept



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5 minutes Q&A on Natural Features of Options



Park Development Alternatives

- Multiple park redesign options developed
- Must ensure proposed stream restoration is compatible with park recreational features
- Final park design determined during Phase 2 of the project
- Additional opportunities for public involvement

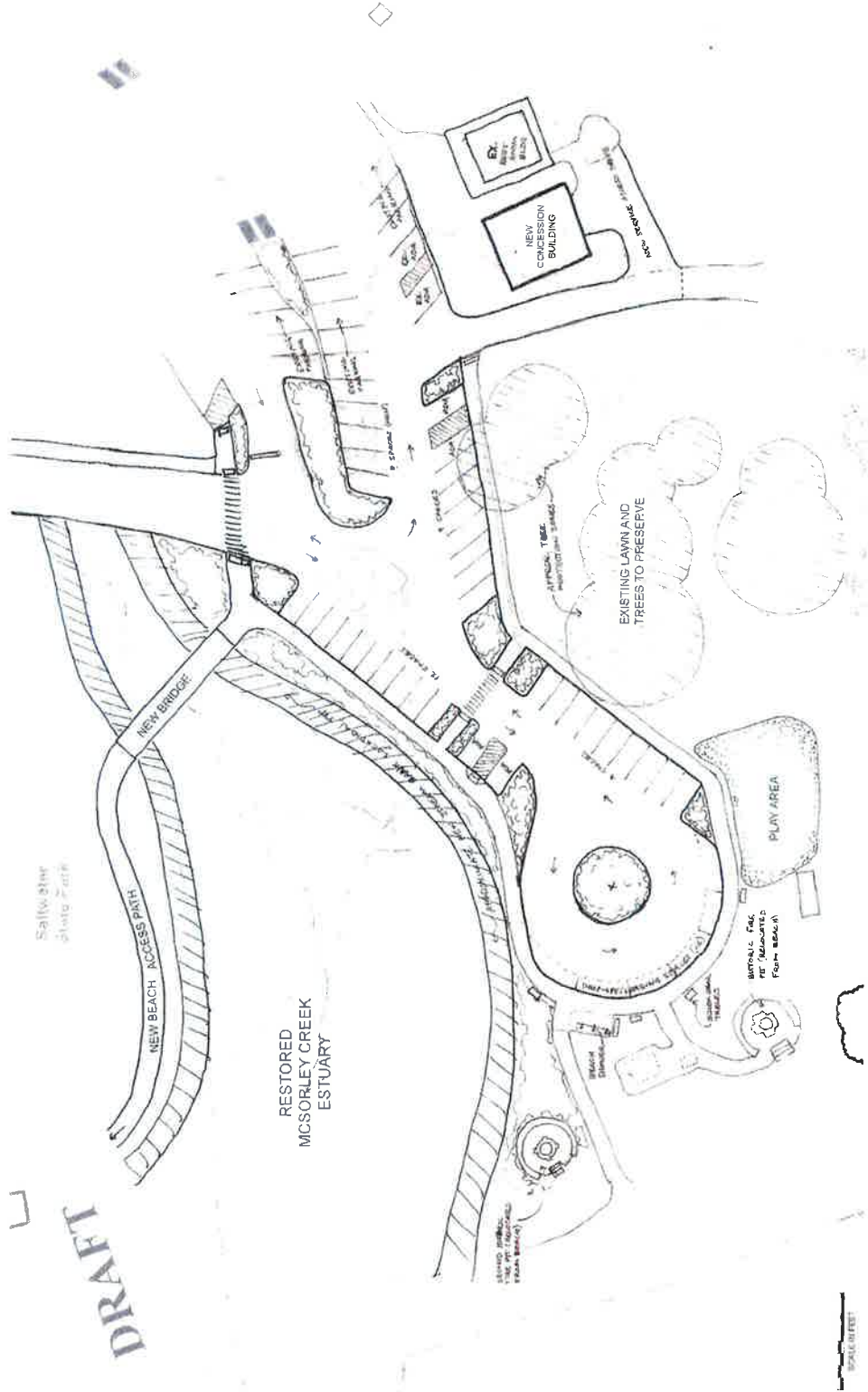


Southern Park Area Development Alternatives

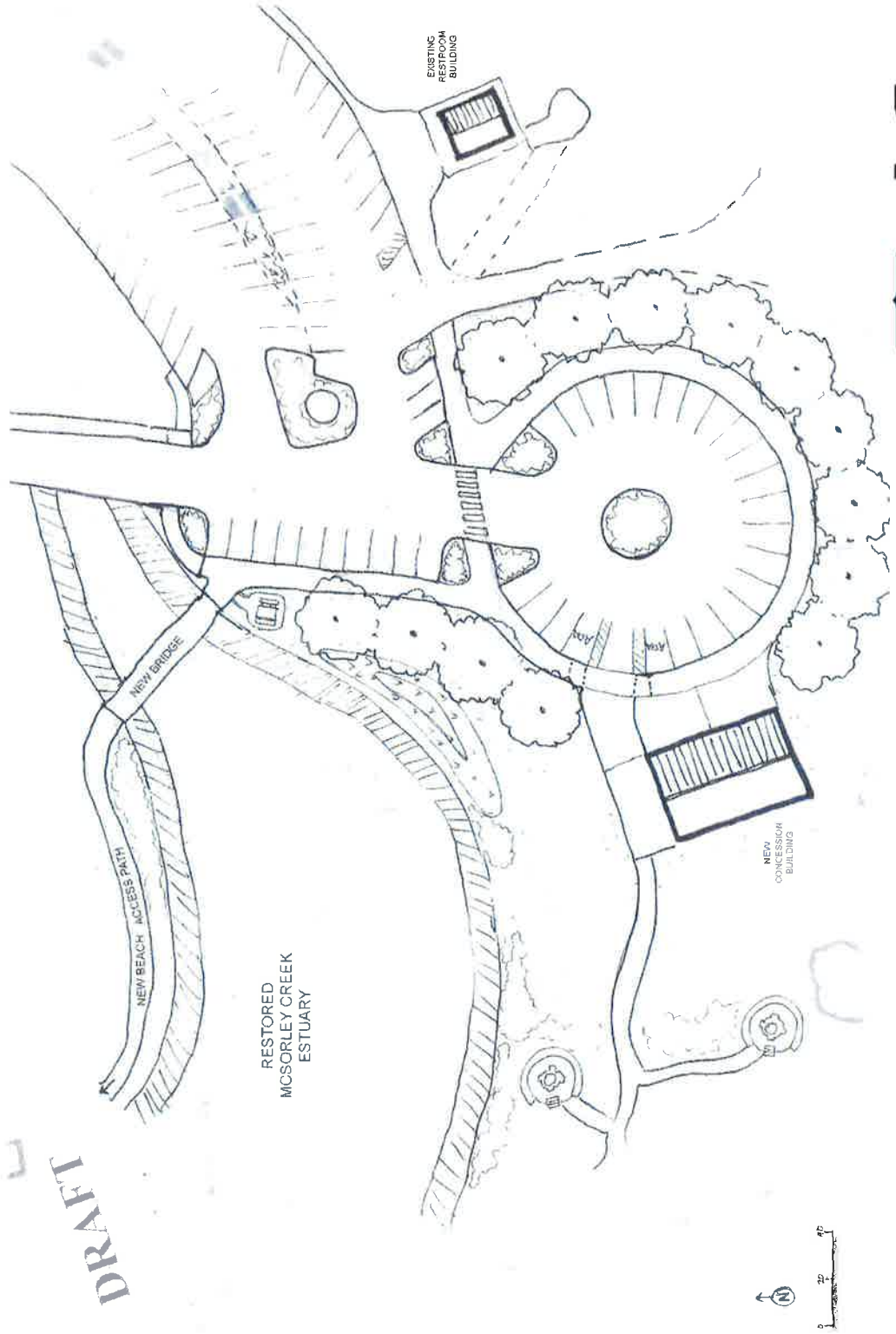
- 3 redevelopment alternatives showing potential southern park area lay-out
- These are not final design options, and are for illustrative purposes only



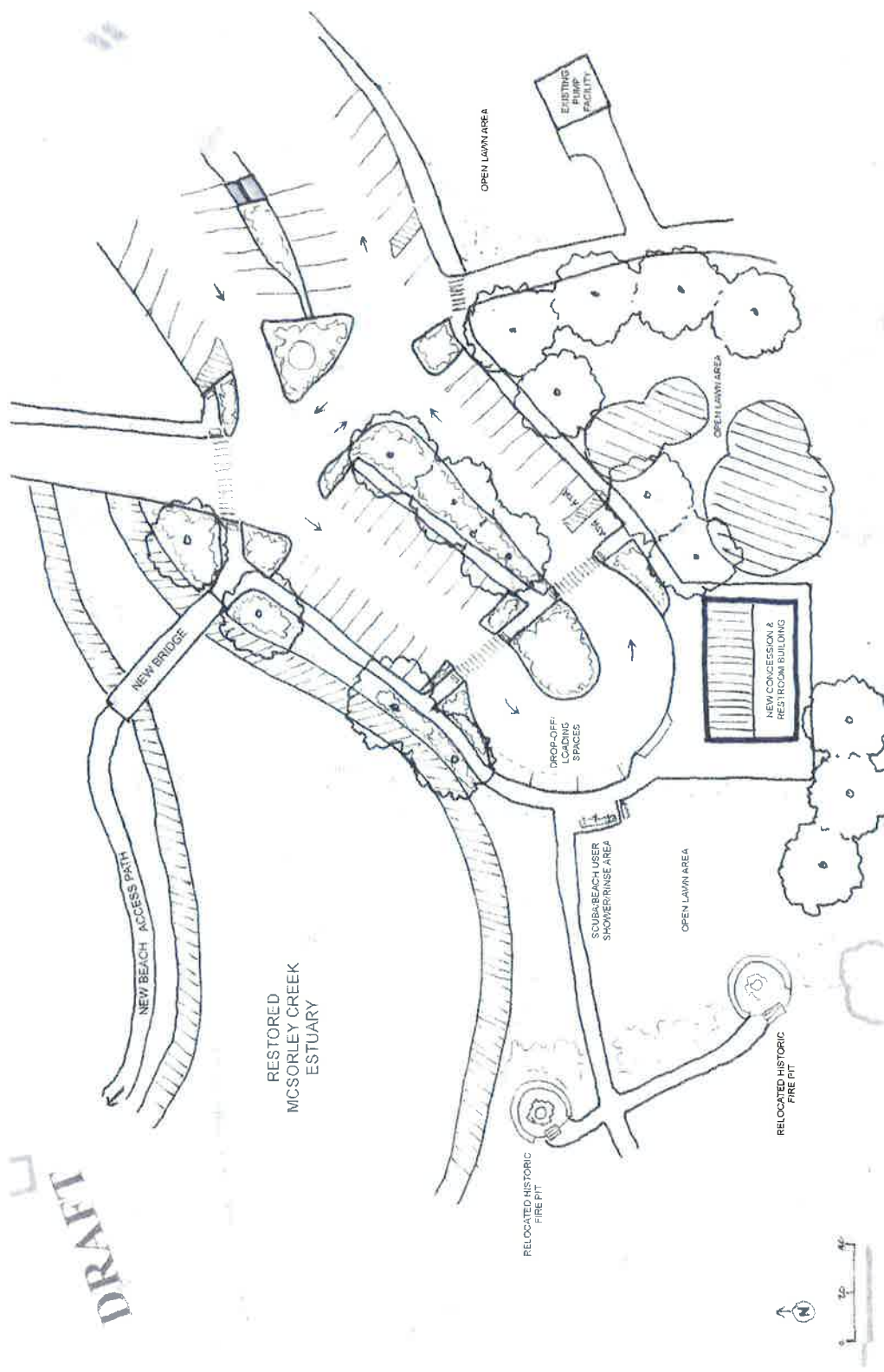
Option 1



Option 2



Option 3





5 minutes Q&A on Southern Park Area Options



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Next Steps in Phase 1

- Continue to receive public input through April 6, 2016
- Receive input from the Puyallup and Muckleshoot Tribes
- Select recommended alternative
- Complete preliminary design process



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Schedule Overview

- Spring 2016: Complete Phase 1
- Summer 2016-Summer 2017: Phase 2
 - Additional public involvement
 - Final design
 - Regulatory approvals
- Summer 2017-Fall 2018: Phase 3
 - Prepare construction documents
 - Construction of project



Questions and Comments



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