

AGENDA

**DES MOINES CITY COUNCIL
ENVIRONMENT COMMITTEE
City Council Chambers
21630 11th Avenue S, Suite C.
Des Moines, Washington
Thursday, January 9, 2025 - 5:00 PM**

Environment Committee: Chair JC Harris, Vice Chair Yoshiko Grace Matsui, Gene Achziger

CALL TO ORDER

AGENDA

- Item 1. APPROVAL OF THE MINUTES FROM THE MEETING OF 12.12.2024
[11.21.24 Draft Environment Committee Minutes](#)
- Item 2. 2025 WORK PLAN
Staff will provide a draft Environment Work Plan for discussion.
[2025 Environment Work Plan - Draft](#)
- Item 3. DES MOINES CREEK ESTUARY PRESENTATION
- Staff will provide a presentation on project background and potential design alternatives for Council/Committee review and input.
[Des Moines Creek Estuary Presentation](#)

ADJOURNMENT

DRAFT MINUTES – ENVIRONMENT COUNCIL COMMITTEE MEETING 11.21.2024

The meeting was called to order at 5:02 PM, Thursday, November 21, 2024 in the Council Chamber with the following in attendance:

Council Members

J.C. Harris (Chair)
Yoshiko Grace Matsui (Vice Chair)
Gene Achziger

City Staff

Katherine Caffrey – City Manager
Michael Slevin – Public Works Director
Bonnie Wilkins – Director of Community and
Administrative Services
Tyler Beekley – Surface Water/Environmental Engineering
Manager
Michael Posey – Surface Water Coordinator
Tommy Owen – City Engineer
Jeff Friend – Finance Director
Matthew Hutchins – Assistant City Attorney
Laura Hopp – Administrative Coordinator I
Jodi Grager – Administrative Coordinator I

Guests – Mayor Traci Buxton and Councilmember Matt Mahoney
Chuck Coleman, Barbara McMichael

AGENDA

1. Approval of the minutes from the 09.12.2024 and the 10.10.2024 meetings
2. Source Control Program Update

MEETING:

1. Unanimous approval of the 09.12.2024 and the 10.10.2024 minutes.
2. Surface Water/Environmental Engineering Manager Tyler Beekley introduced Michael Posey, Surface Water Coordinator. Mr. Posey provided the committee a memo (see Item #2 Attachment in the packet). He reviewed the Source Control Background, Source Control Progress in 2024 and Transition to City Led Source Control Inspections. The Committee discussion included:
 - Examples of public outreach – City Current Articles, StormFest, Adopt-a-Drain Program
 - Catch Basin Focus
 - Partnering with City of Kent
 - Pollution generating businesses are identified for inspections

The Committee requested a “Green Streets” presentation at a future meeting.

Meeting adjourned at 5:24 p.m. Minutes respectfully submitted by: Jodi Grager, Admin Coordinator

Draft 2025 Environment Committee Work Program

January 9, 2025

2025 Work Plan Discussion
Des Moines Creek Estuary Presentation

February 13, 2025

CIP Project Updates

March 13, 2025

NPDES Program Overview
2025 Stormwater Management Program Plan

April 10, 2025

WRIA 9 ILA Update

May 8, 2025

Operations and Maintenance Overview

June 12, 2025

CIP Project Updates

July 10, 2025

Stormfest Program Overview

August 14, 2025

Des Moines Creek Basin Committee Status Report
Draft 2026-2031 SWM CIP Budget

September 11, 2025

Final 2026-2031 SWM CIP Budget
CIP Project Updates

October 9, 2025

Poverty Bay Shellfish Protection District Status

November 13, 2025

Public Works Yard Groundwater Remediation Update
Source Control Program Update

December 11, 2025

CIP Project Updates



DES MOINES CREEK ESTUARY RESTORATION

01/09/2025

Parametrix





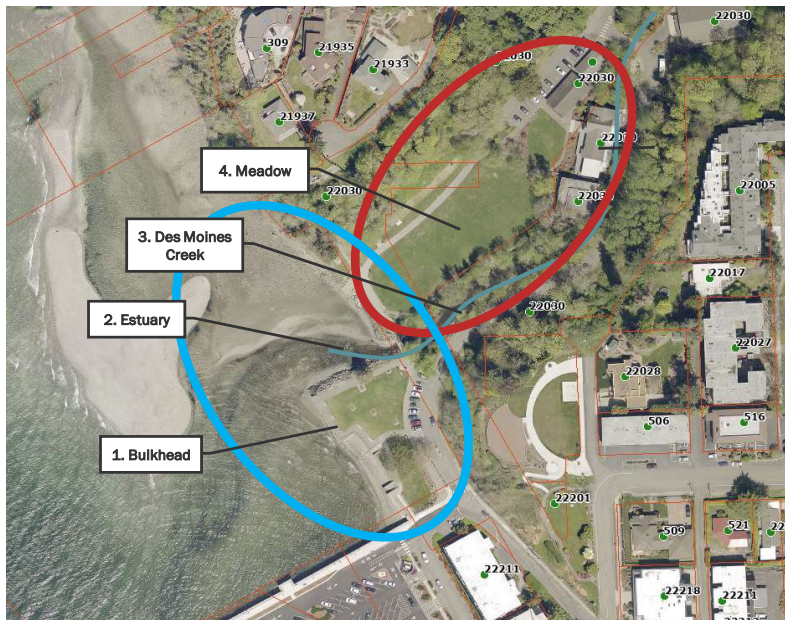
AGENDA

- Project Background
- Project Goals
- Constraints and Considerations
- Meadow Alternatives
- Bulkhead Alternatives

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PROJECT BACKGROUND

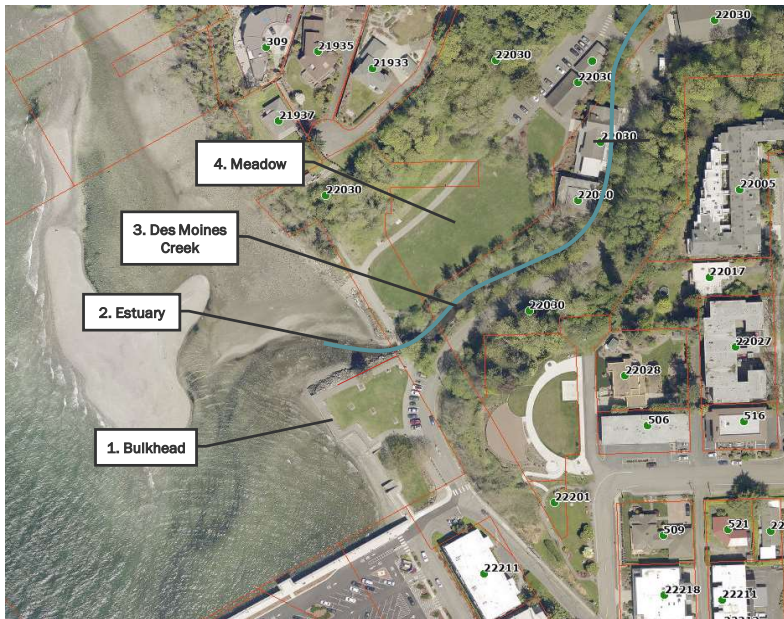


2023 Aerial

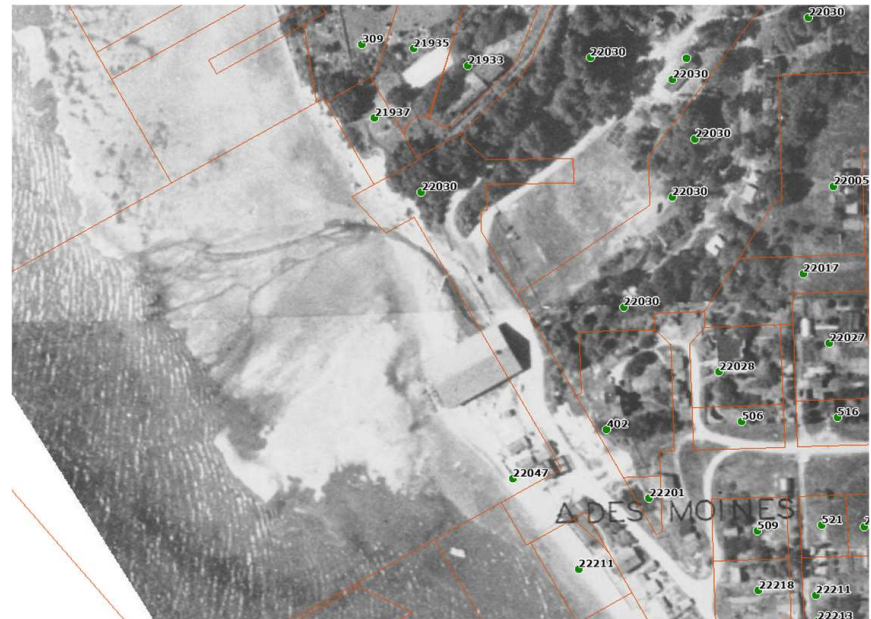




PROJECT BACKGROUND



2023 Aerial



1936 Aerial

Parametrix



PROJECT GOALS – GRANT FUNDING

Cooperative Watershed Management Grant	Flood Reduction Grant
<p>Grant Focus:</p> <ul style="list-style-type: none">• Recovering ESA-listed salmon species and restoring watershed ecosystems• Habitat restoration• Water quality improvements• Monitoring• Planning and public outreach <p>Project Goals:</p> <ul style="list-style-type: none">• Improve estuary habitat for salmonoids and other species• Shoreline and stream bank improvements	<p>Grant Focus:</p> <ul style="list-style-type: none">• Address potential flooding issues• Protect public safety• Preserve important infrastructure <p>Project Goals:</p> <ul style="list-style-type: none">• Address flooding impacts to Des Moines Beach Park• Identify bulkhead improvement opportunities

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PROJECT GOALS – CITY

- Improve public access to the beach near mouth of Des Moines Creek
- Evaluate public access and connectivity to the estuary from the Des Moines Marina to the Des Moines Beach Park

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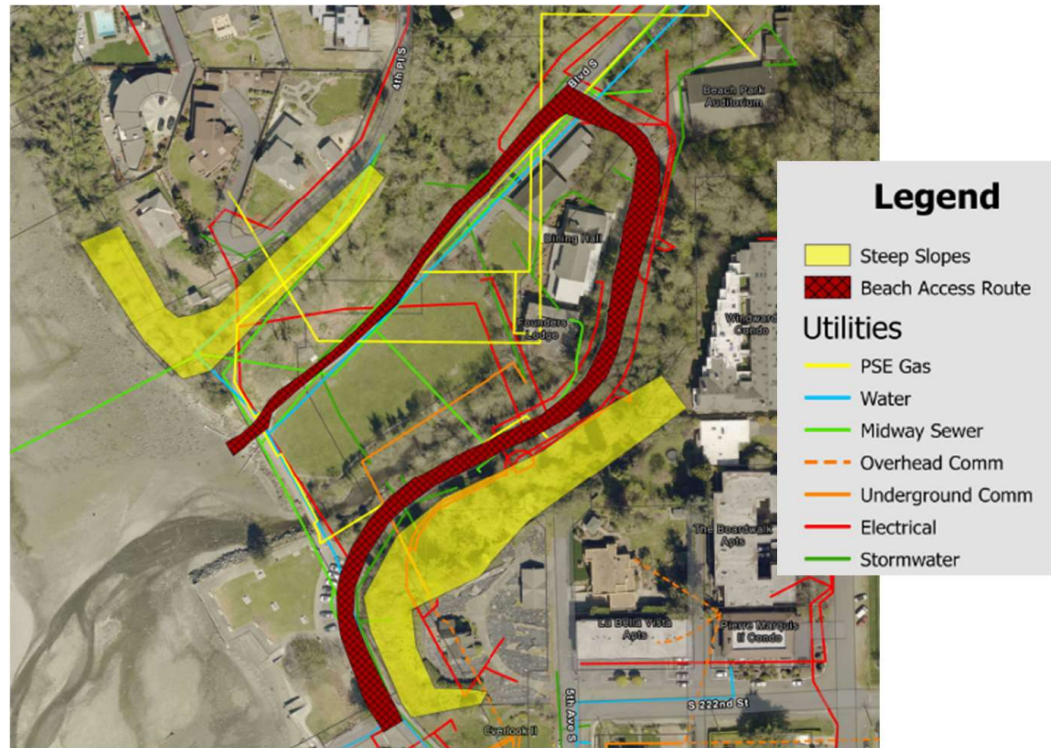
CONSTRAINTS AND CONSIDERATIONS

Constraints

- Steep Slopes
- Beach Access
- Utilities

Considerations

- Recent and Anticipated Flooding
- Bulkhead Condition

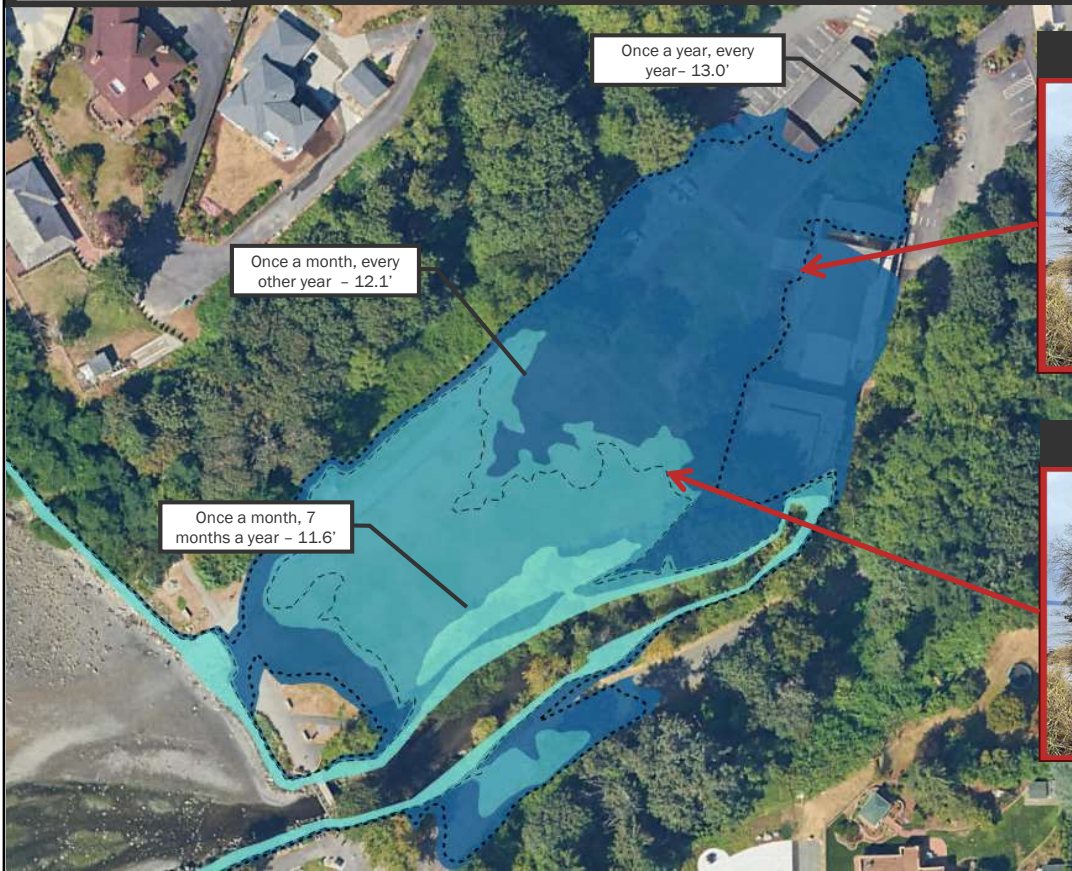


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ALTERNATIVES – MEADOW AREA



RECENT AND ANTICIPATED FLOODING



December 2022 King Tide



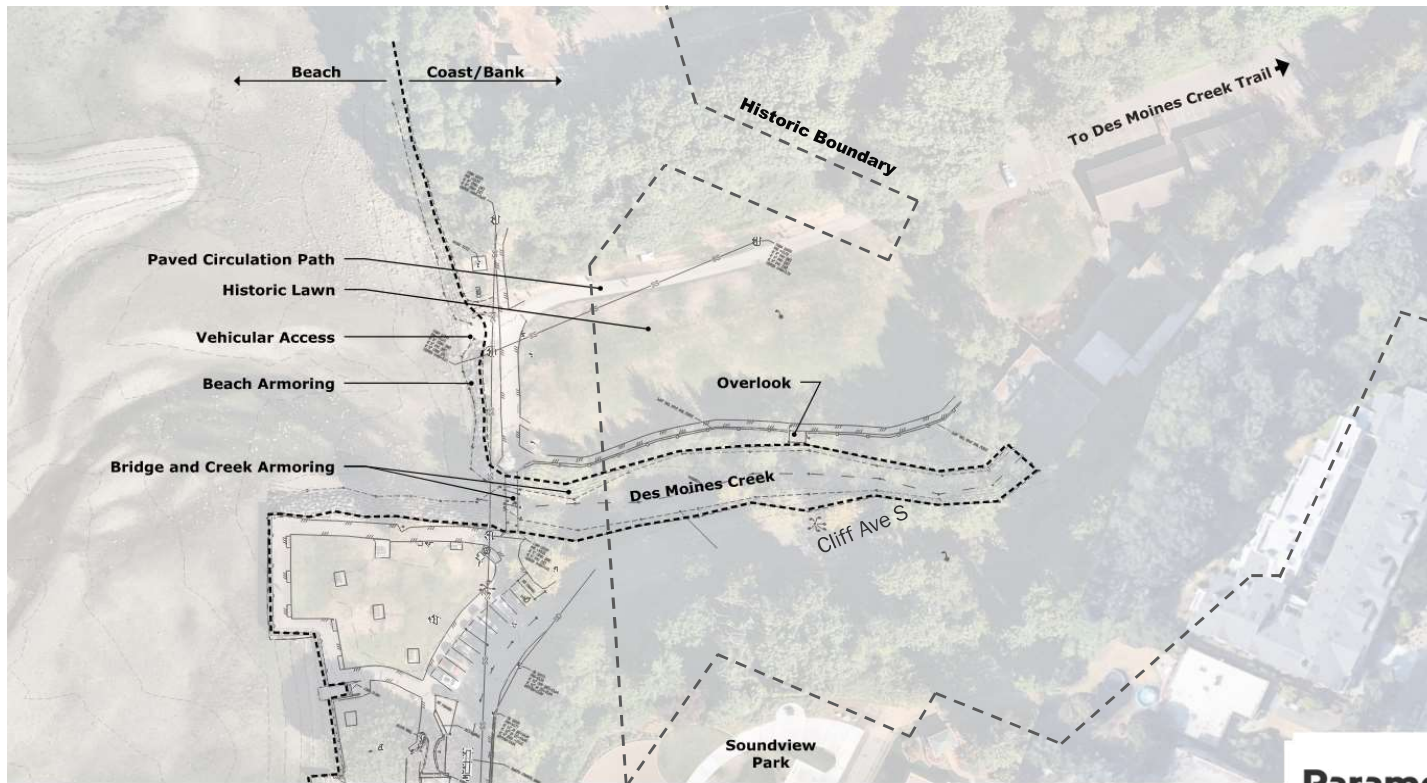
December 2024 Tide



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EXISTING CONDITIONS

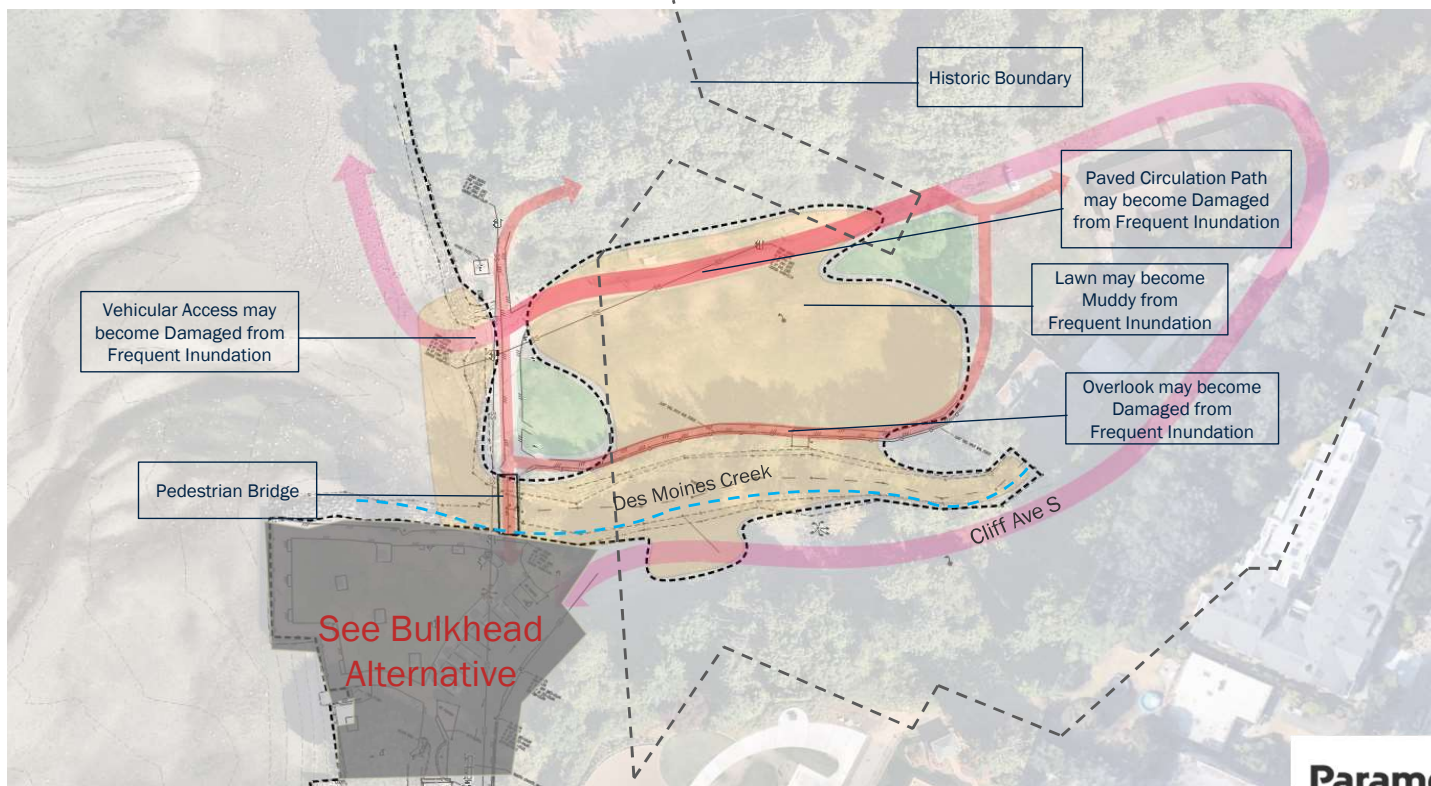


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MEADOW ALTERNATIVE 1 – LOW/NO ACTION ALTERNATIVE

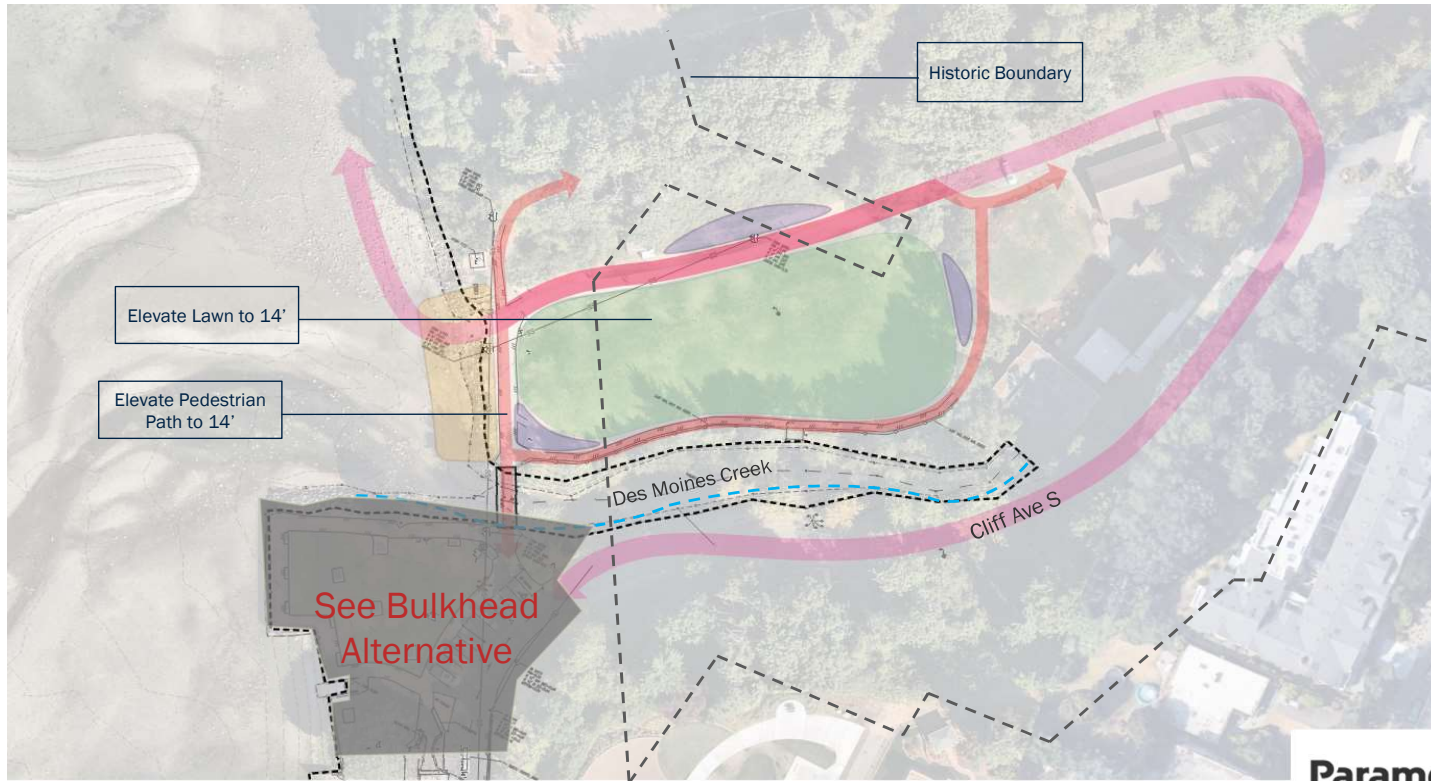


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MEADOW ALTERNATIVE 2 – ELEVATE LAWN AREA

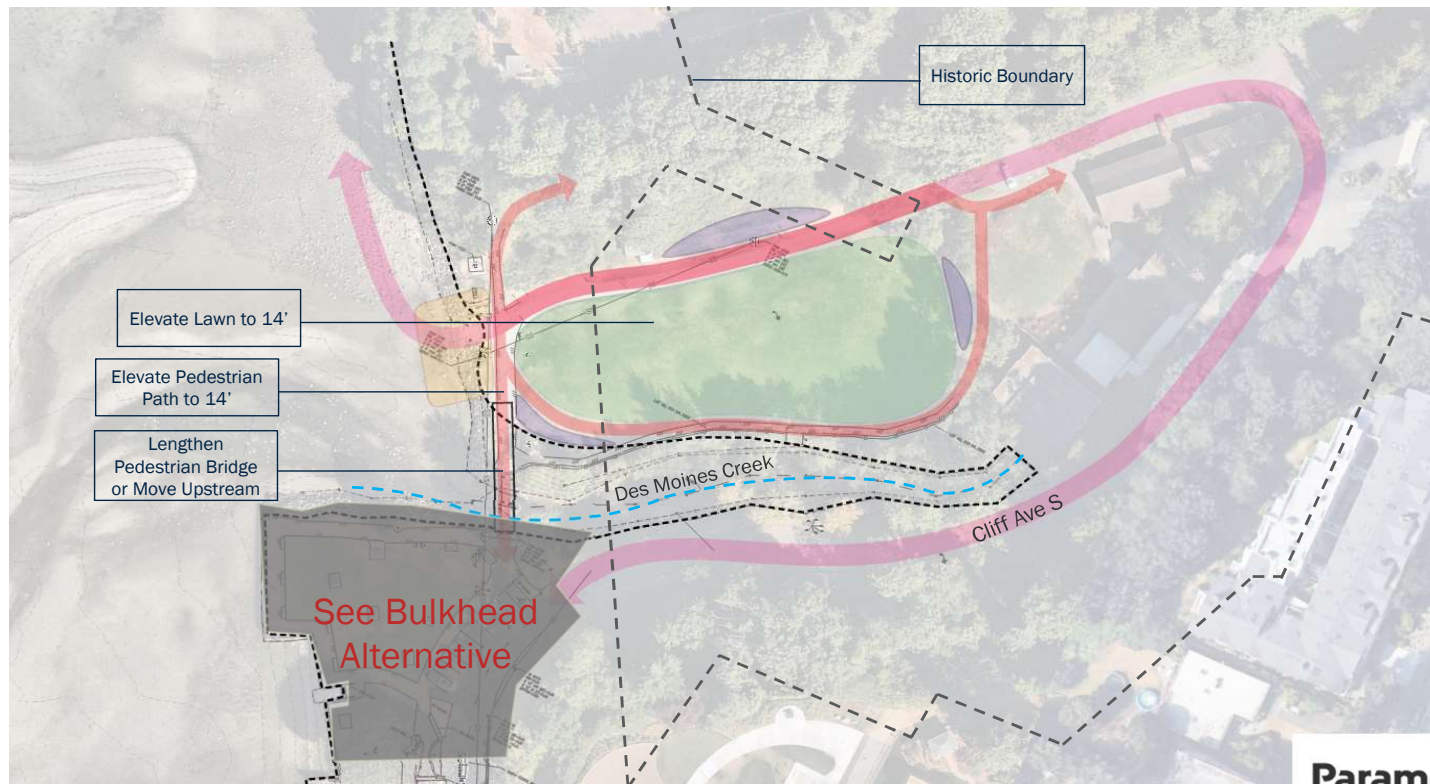


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MEADOW ALTERNATIVE 3 – WIDEN ESTUARY MOUTH

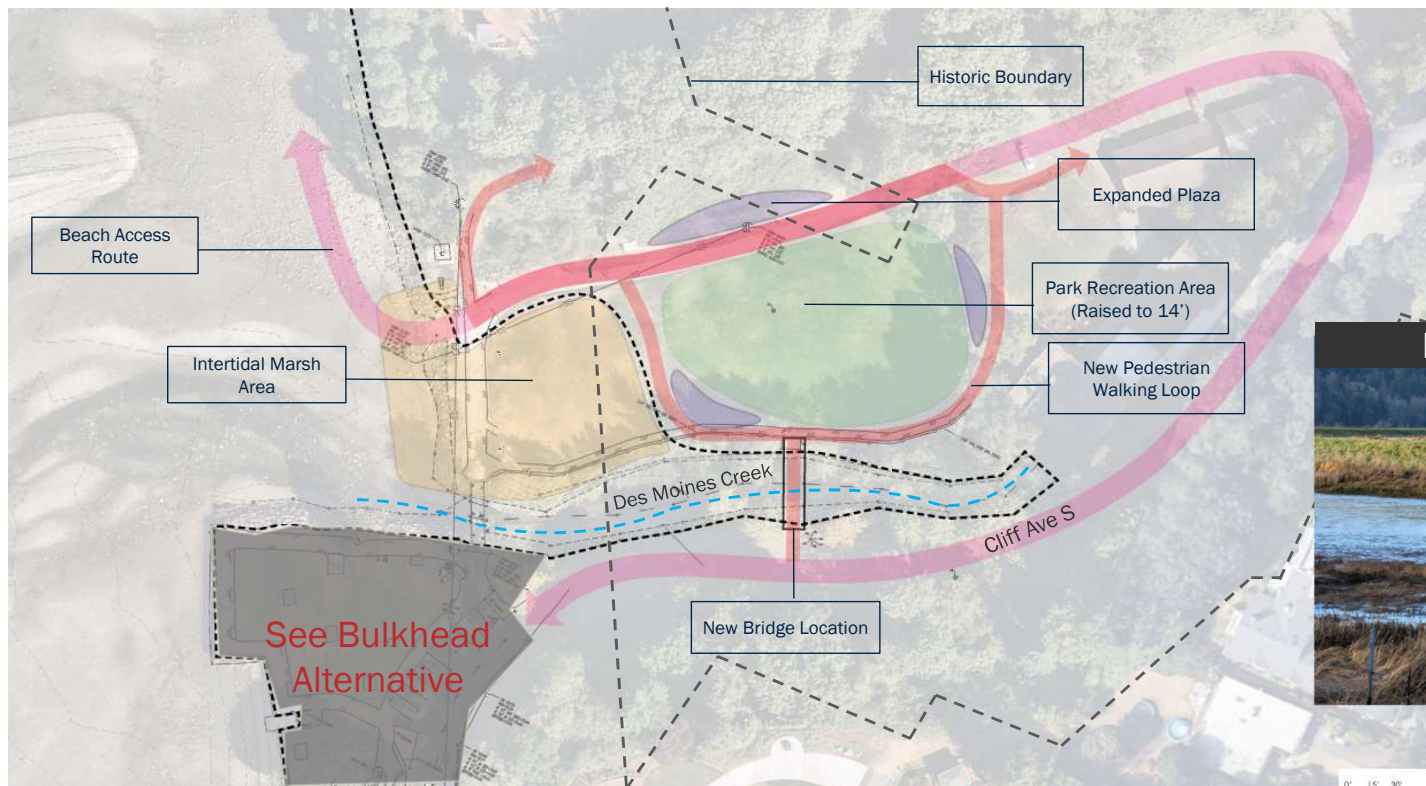


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MEADOW ALTERNATIVE 4 – PARTIAL ESTUARY (STAFF PREFERRED)



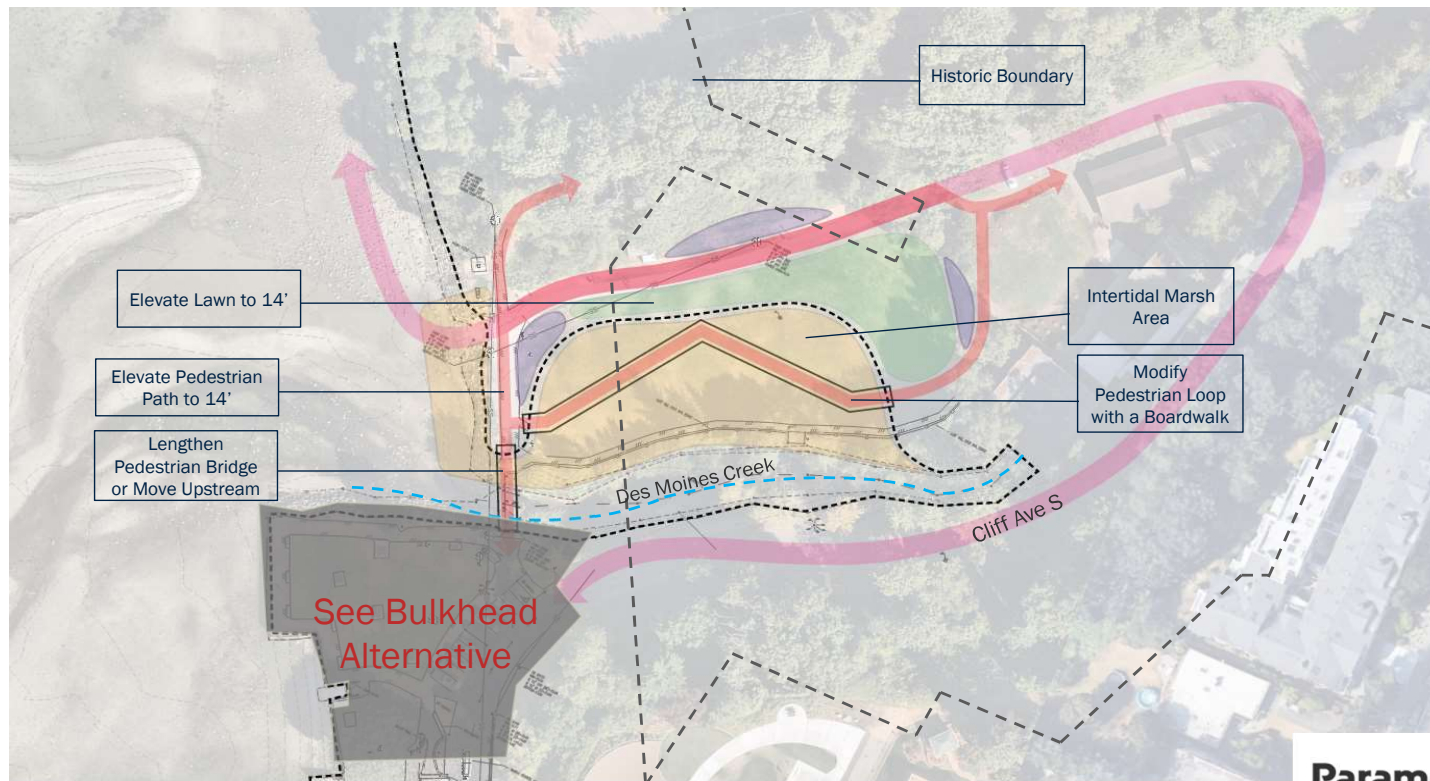
Intertidal Marsh

Parametrix



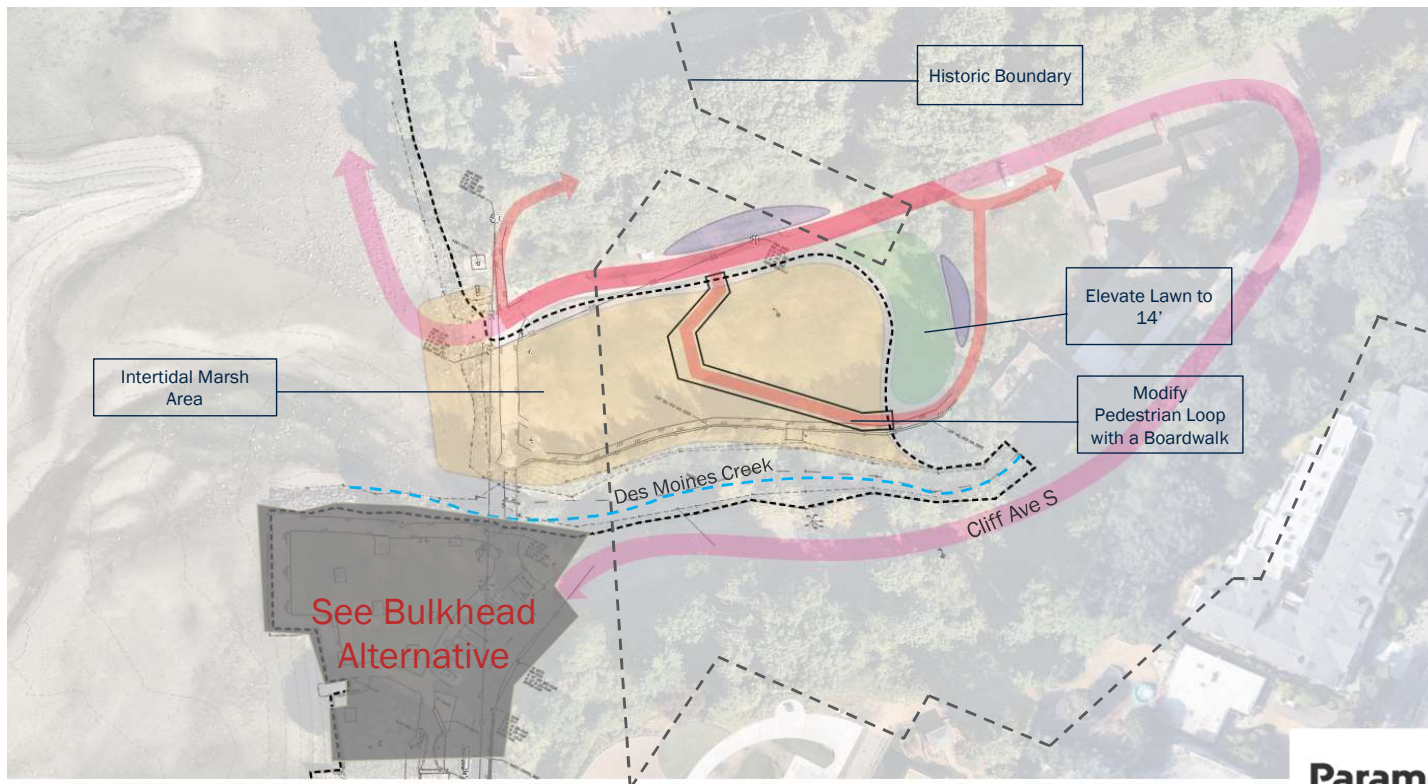


MEADOW ALTERNATIVE 5 – ESTUARY





MEADOW ALTERNATIVE 5 – MAXIMUM ESTUARY



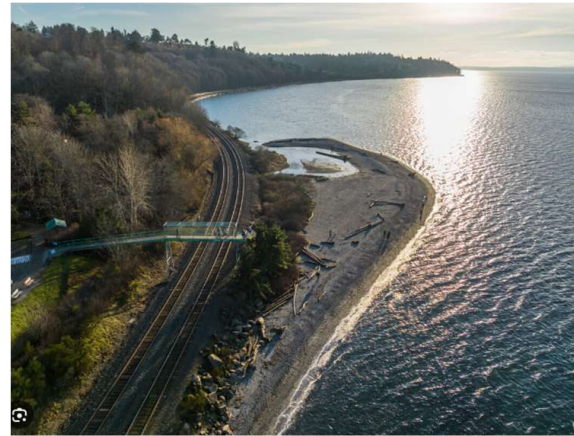
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PROJECT ANALOGS

- Carkeek Beach – Seattle

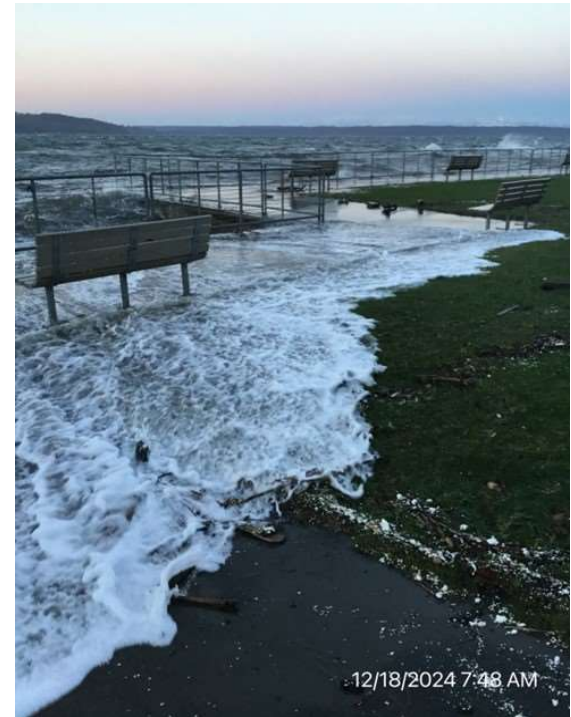
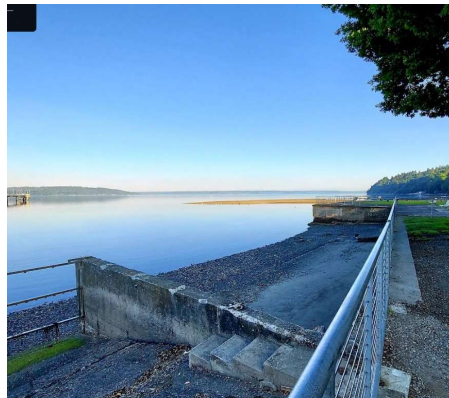


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ALTERNATIVES – BULKHEAD AREA



BULKHEAD CONDITION



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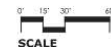
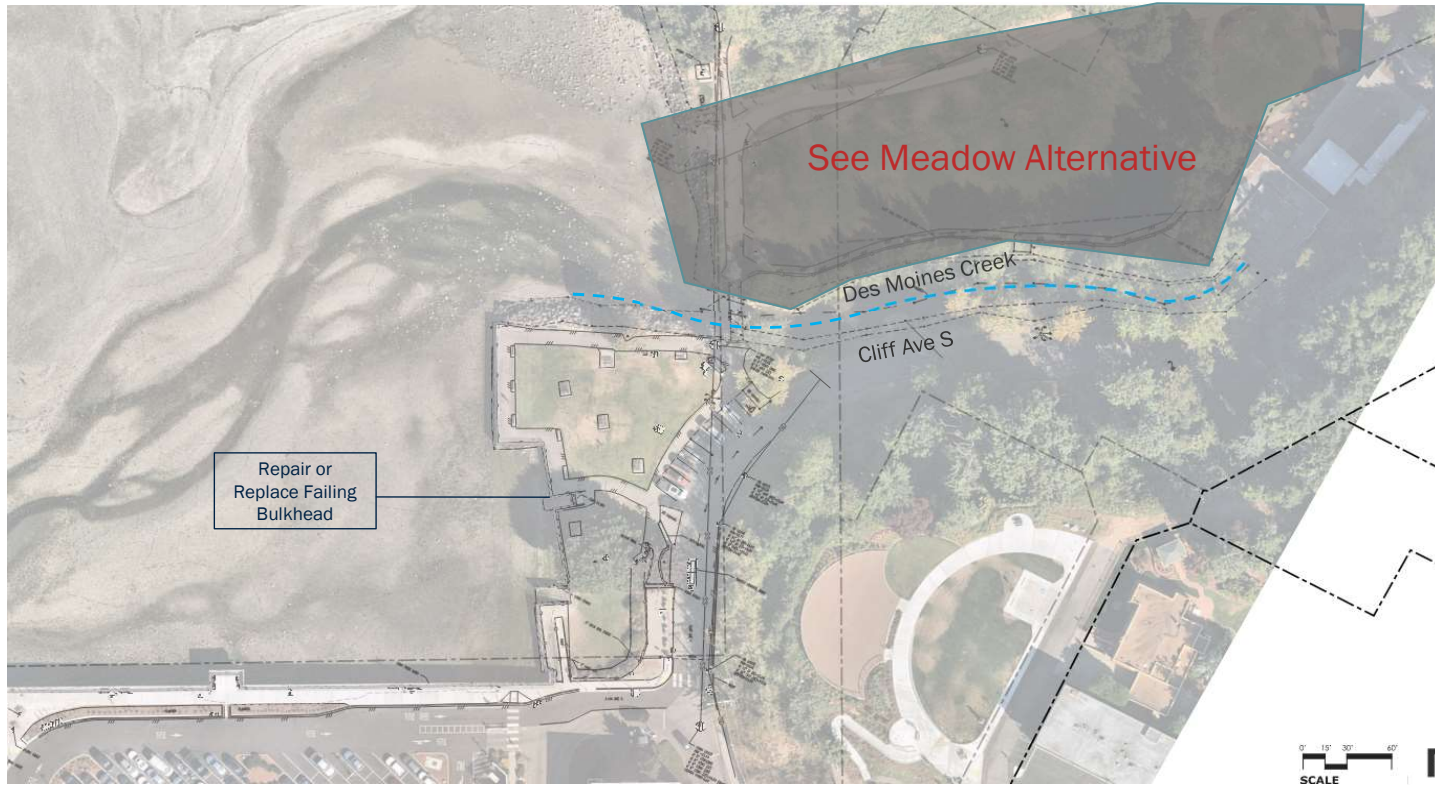


EXISTING CONDITIONS





BULKHEAD ALTERNATIVE 1 – LOW/NO ACTION ALTERNATIVE



SCALE

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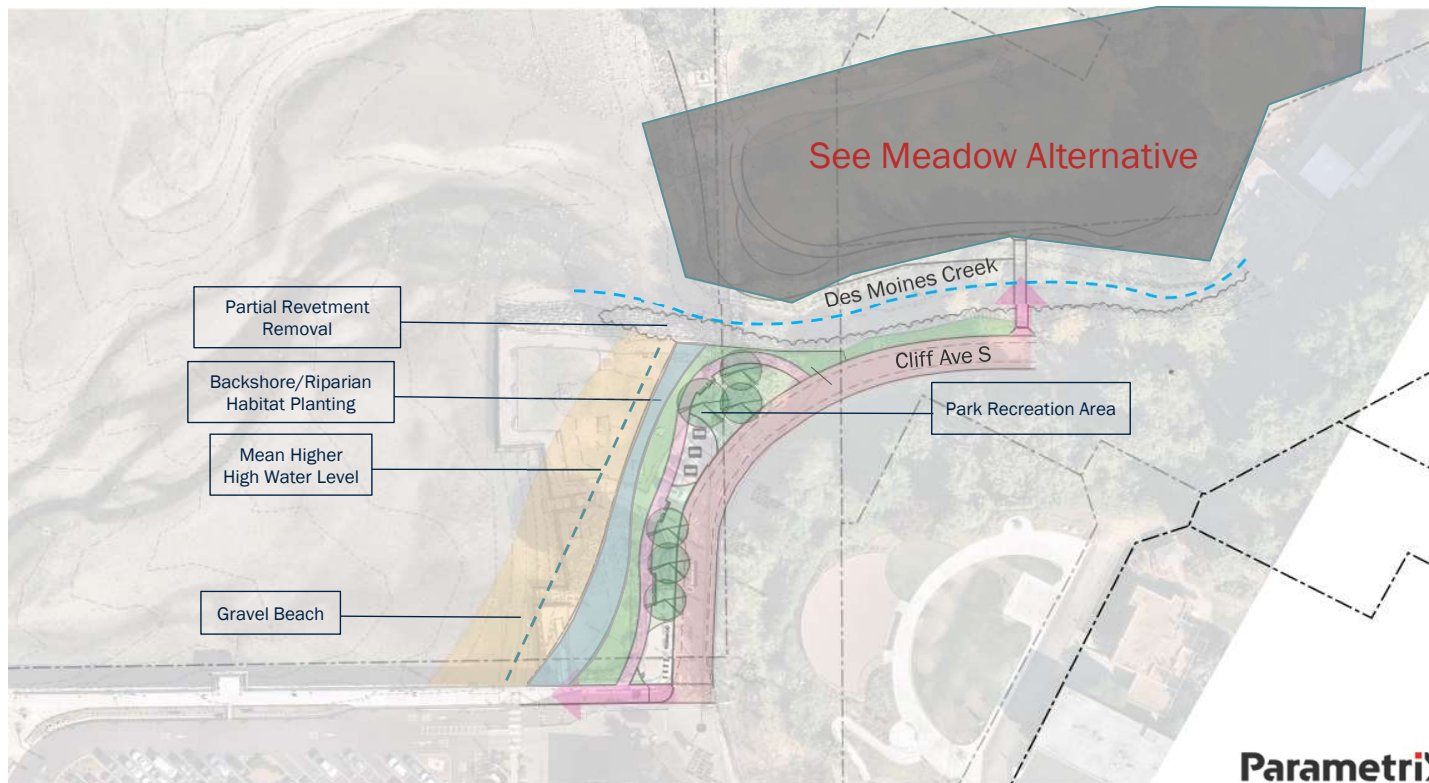
TYPICAL BEACH SECTION
DES MOINES CREEK ESTUARY RESTORATION



Parametrix

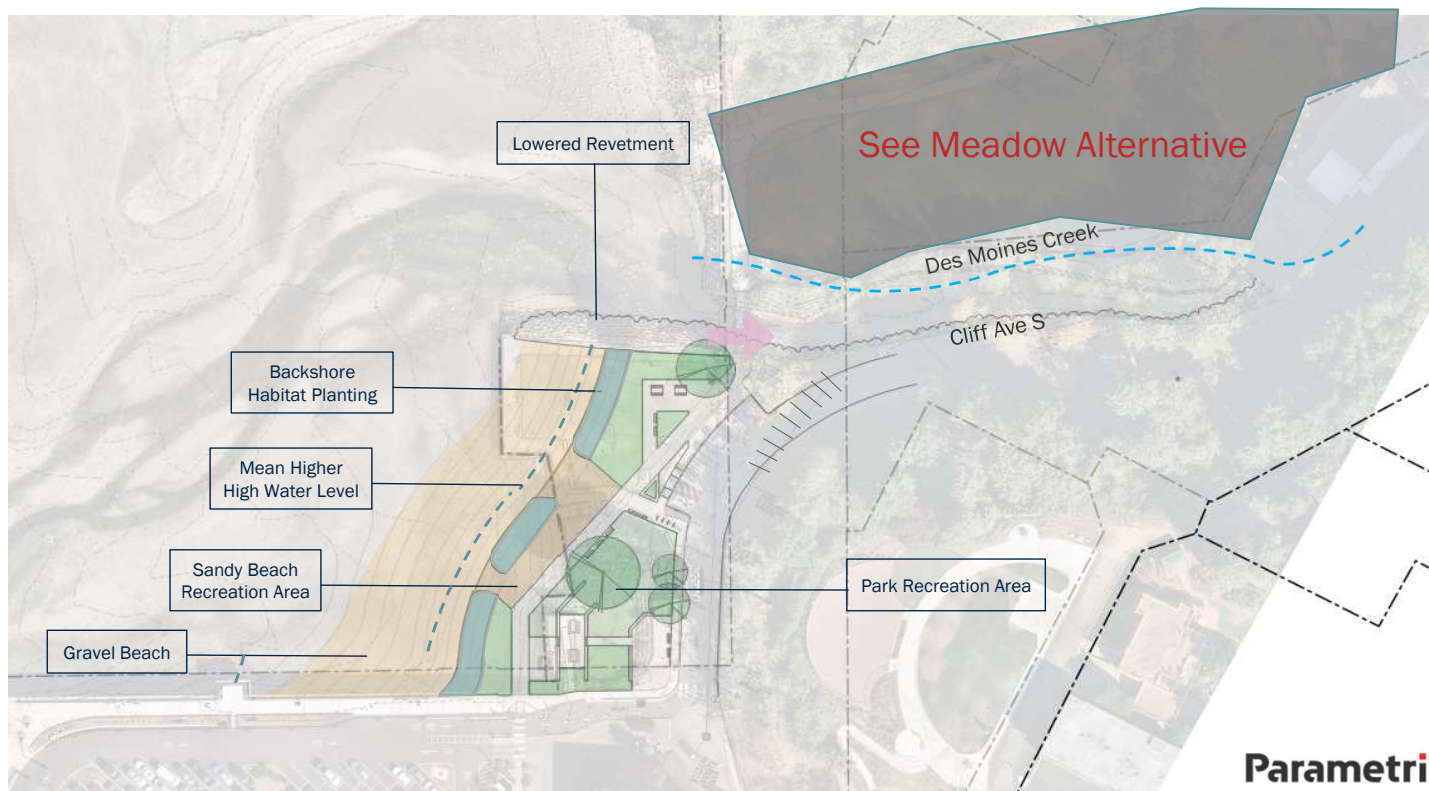


BULKHEAD ALTERNATIVE 2 – MAXIMUM HABITAT ALTERNATIVE



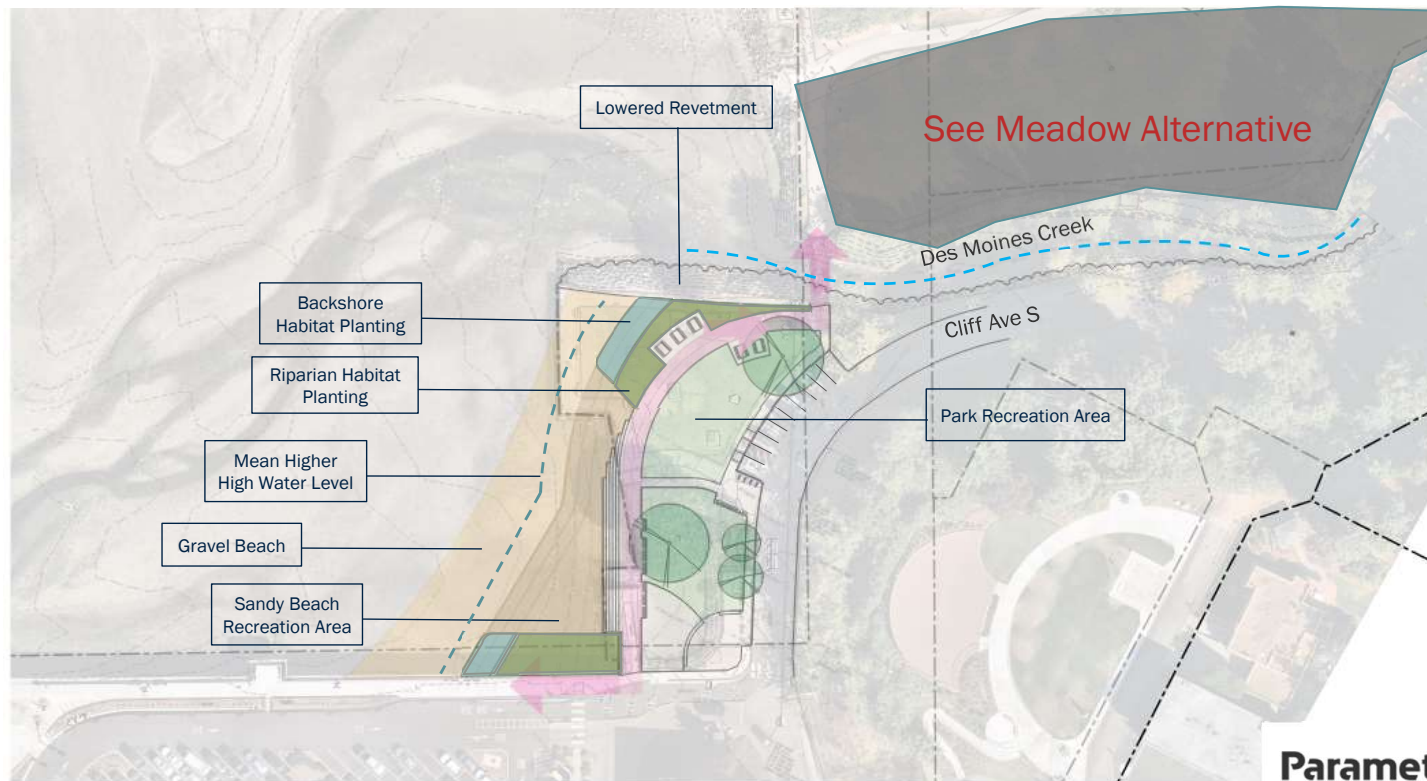


BULKHEAD ALTERNATIVE 3 – MAXIMUM PARK ALTERNATIVE





BULKHEAD ALTERNATIVE 4 – MODERATE PARK AREA (STAFF PREFERRED)



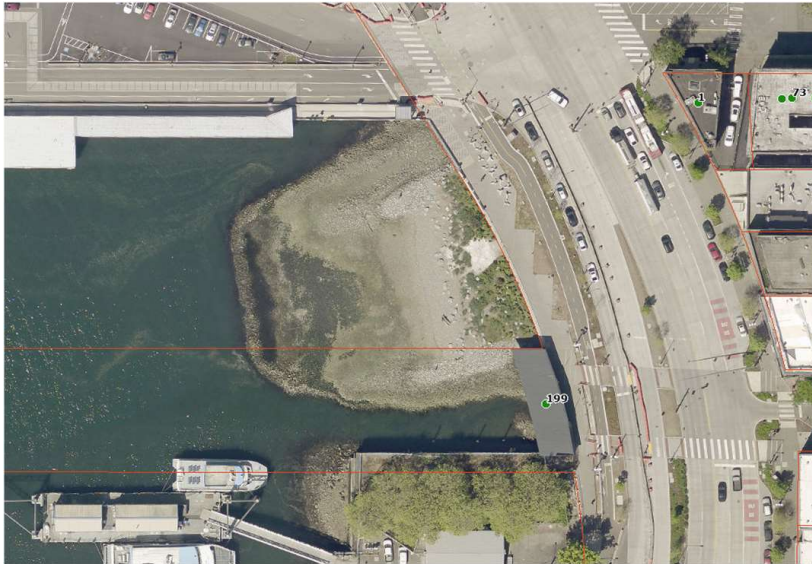
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OD•RE
CKORD



PROJECT ANALOGS

- Habitat Beach – Seattle



2023 Aerial



2013 Aerial

ParametriX



PROJECT ANALOGS

- Habitat Beach – Seattle



2023 Aerial



2013 Aerial



Parametrix

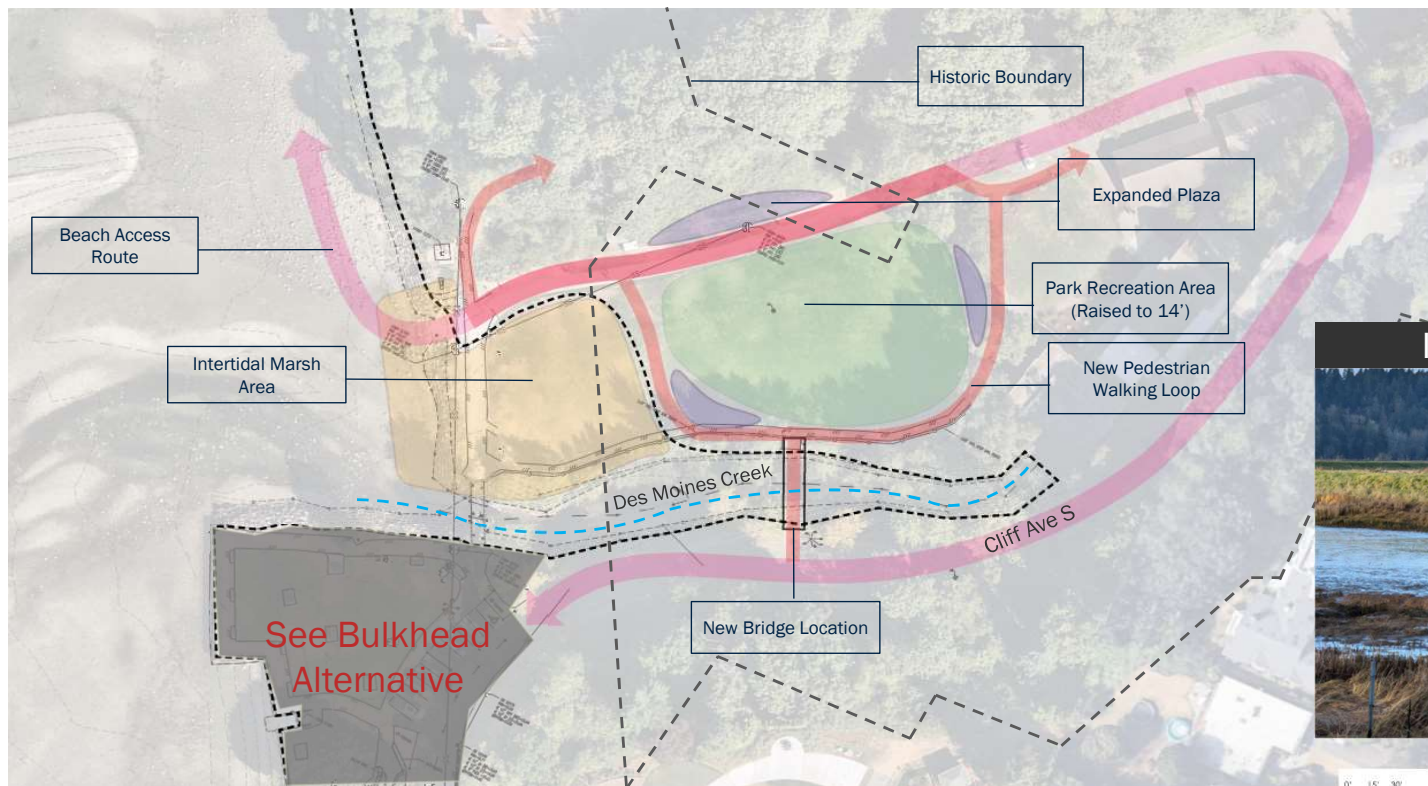


Questions?

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STAFF PREFERRED MEADOW ALTERNATIVE



Intertidal Marsh

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STAFF PREFERRED BULKHEAD ALTERNATIVE

