

Design Commission Briefing December 2, 2010





Project Area



Project Goals

- Address critical structural public safety needs at shoreline.
- Respect cultural, archeological, and historic resources.
- Consider long-term vision for the Central Waterfront.
- Provide enhanced habitat and environmental quality.
- Provide enhanced public gathering and recreational opportunities.
- Support economic vitality of the waterfront.
- Minimize cumulative construction impacts.
- Support fiscal responsibility.

Developing Alternatives

Elliott Bay Seawall Planning and Conceptual Design Process

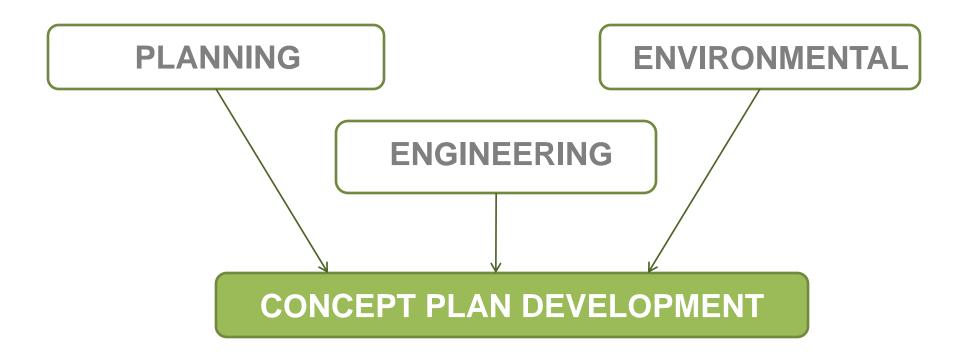
July	August	September	October	November	November -April
Identify waterfront zones; present preliminary goals and objectives	Identify opportunities in each waterfront zone	Present preliminary zone area designs	Present conceptual plans and preliminary analysis	Refine alternatives and conduct more detailed analysis	Review alternatives with Central Waterfront Project

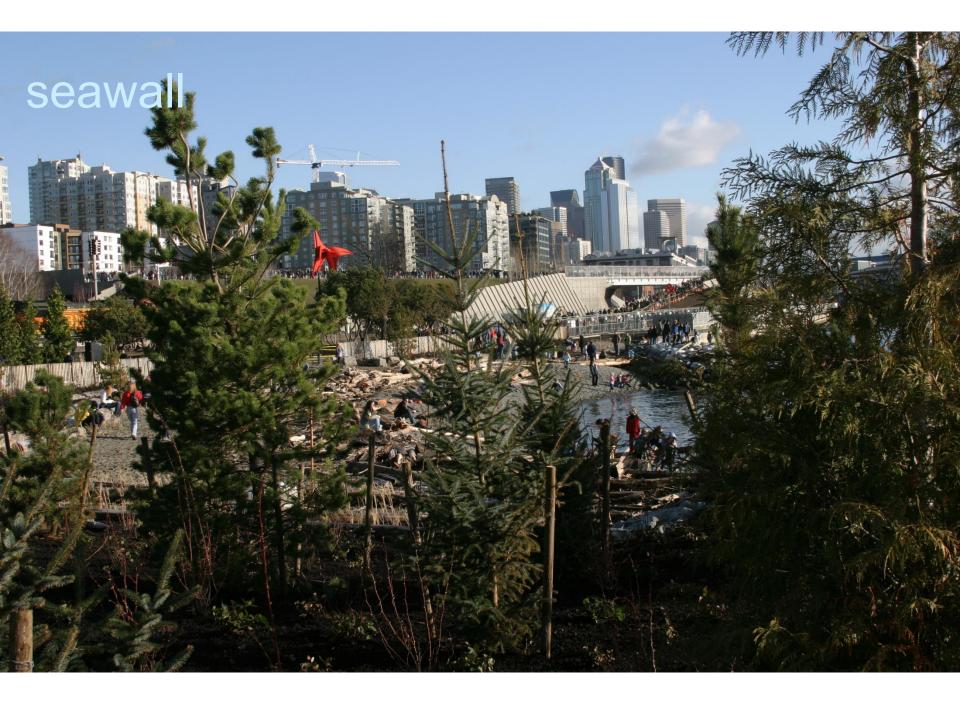
★April - Define preferred alternative



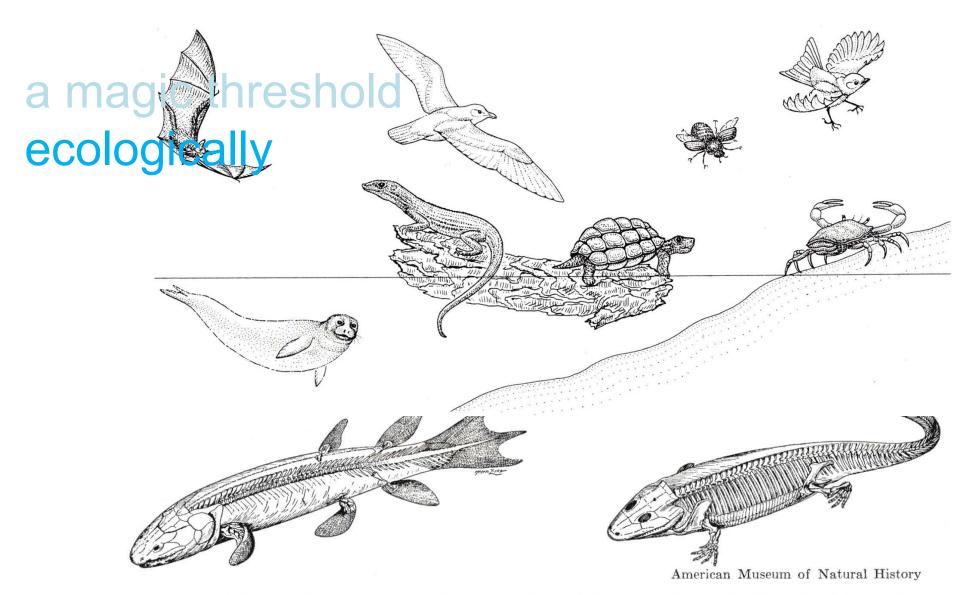


Ongoing Team Work







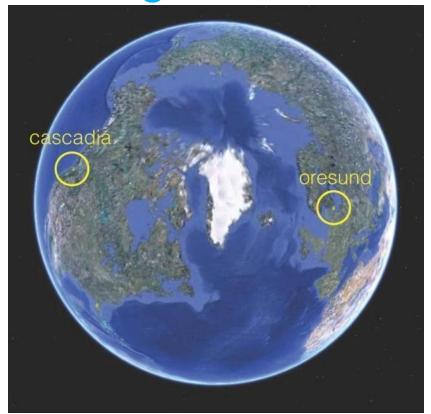


31-4 The vertebrates conquer the land. Upper left, restoration of the Devonian lobe-fin fish, Eusthenopteron, crawling out of the water. Lower left, the skeleton of Eusthenopteron. Upper right, the primitive Carboniferous-Permian labyrinthodont (p. 764) amphibian, Diplovertebron. Lower right, skeleton of Diplovertebron. Note that the limb bones of Diplovertebron show the same pattern, now familiar, as all higher vertebrates (Fig. 19-2); this pattern is still not clear in Eusthenopteron.





two regions



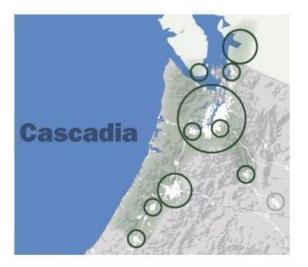


oresund region





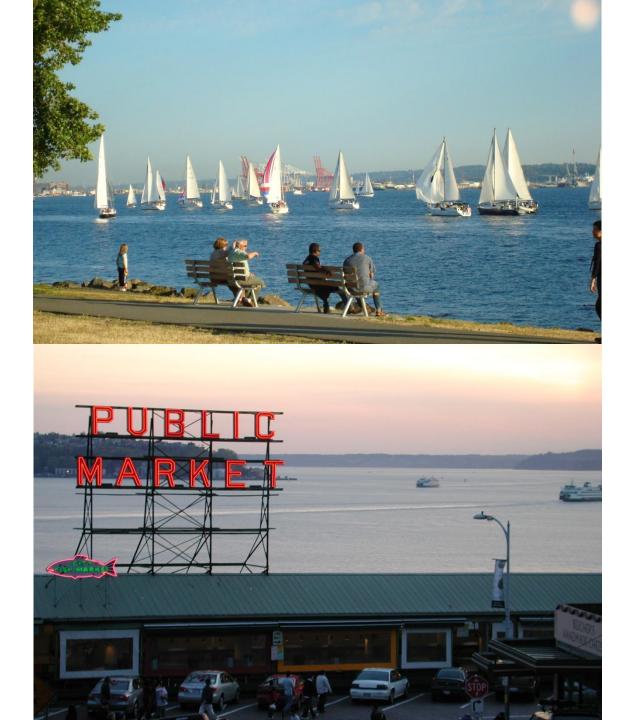


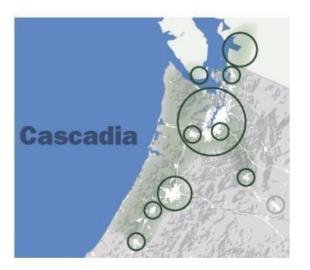








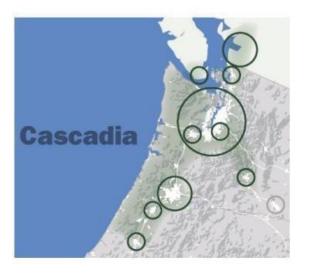




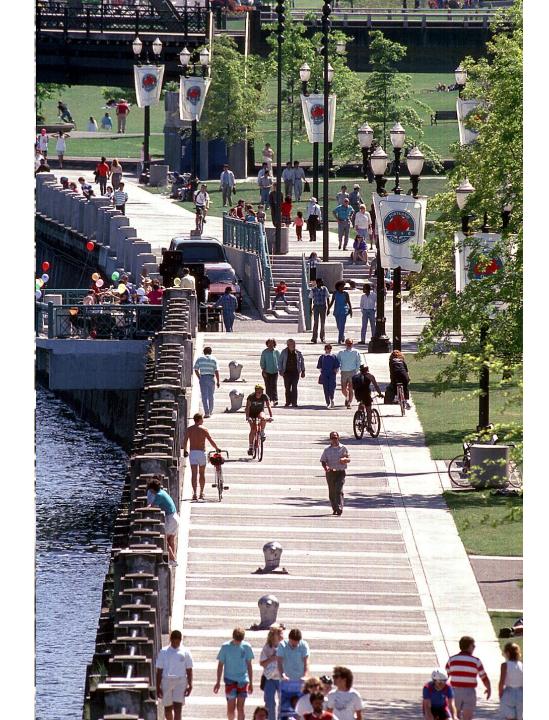


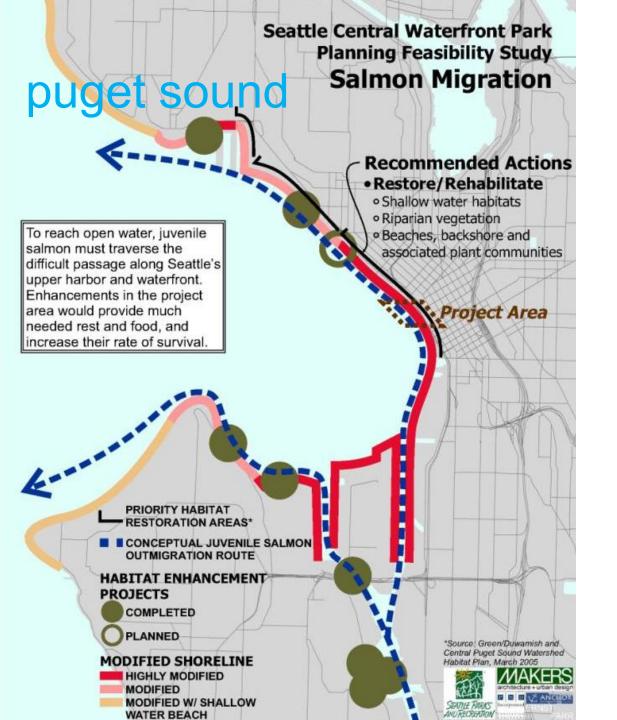




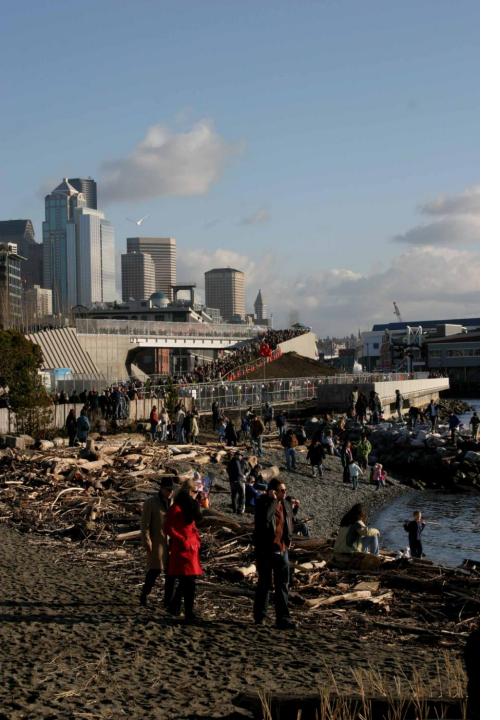






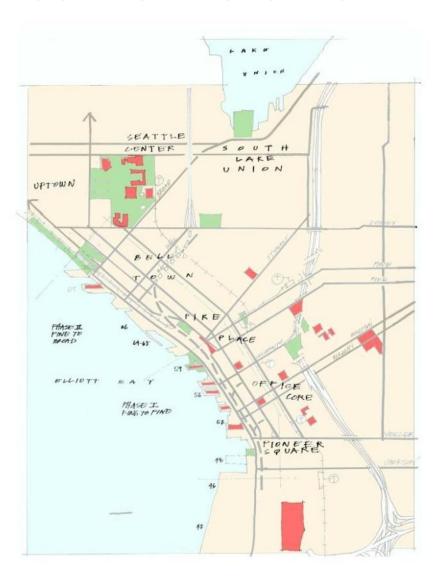






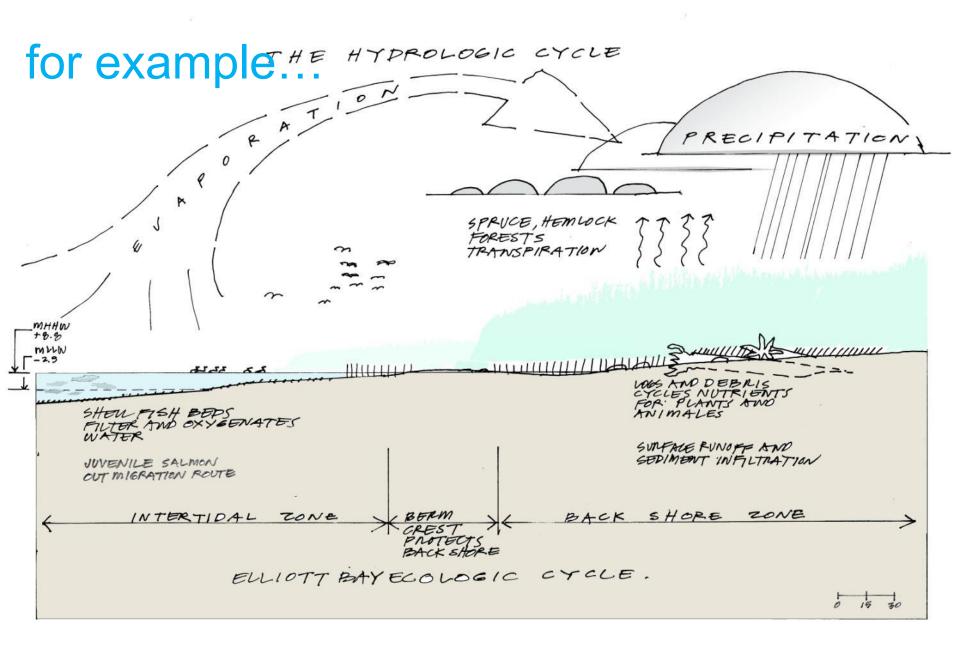


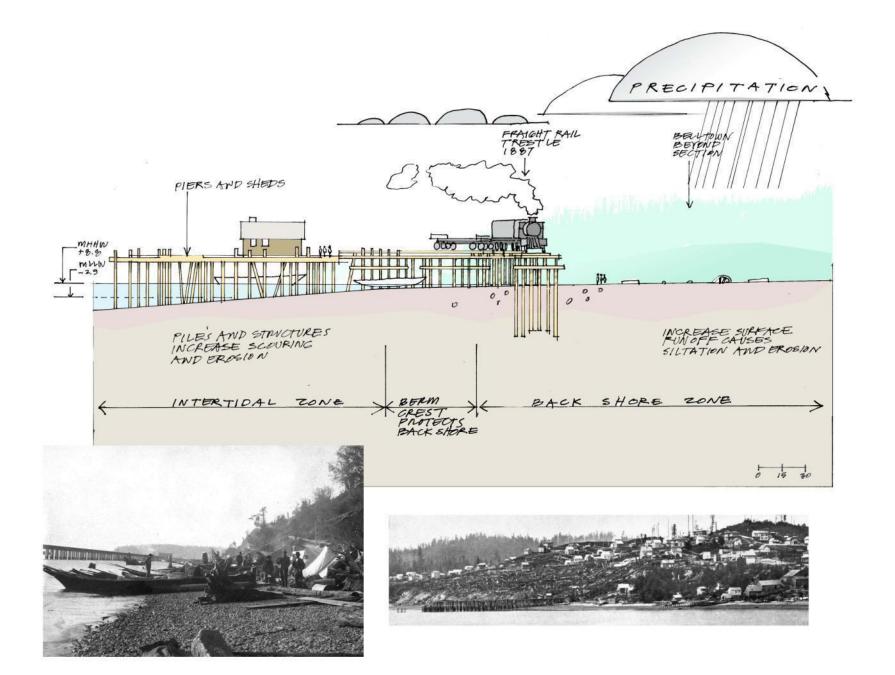
central waterfront

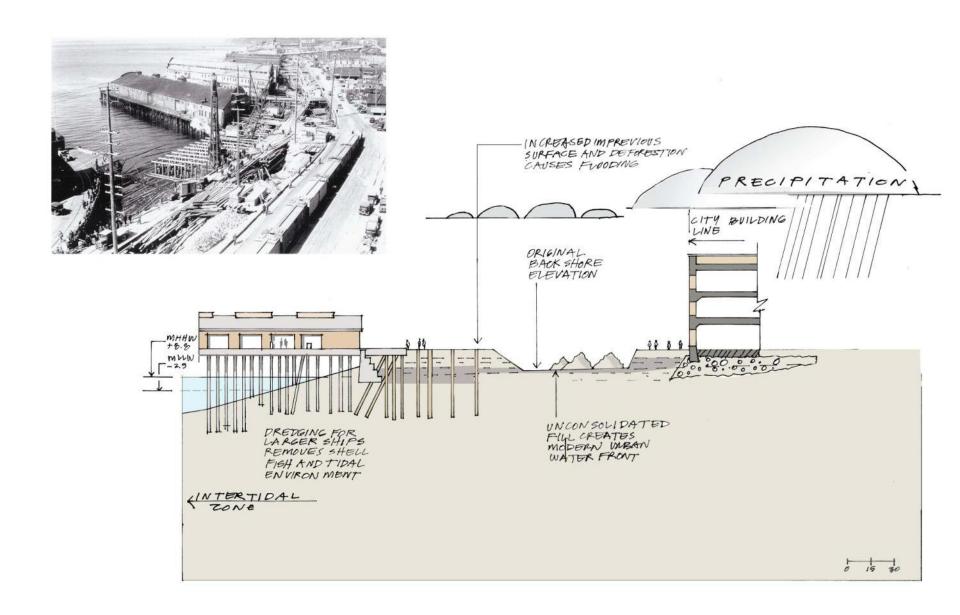






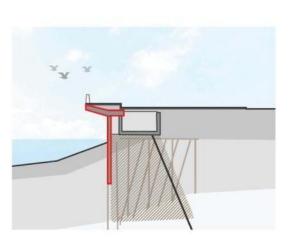


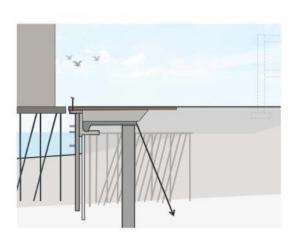




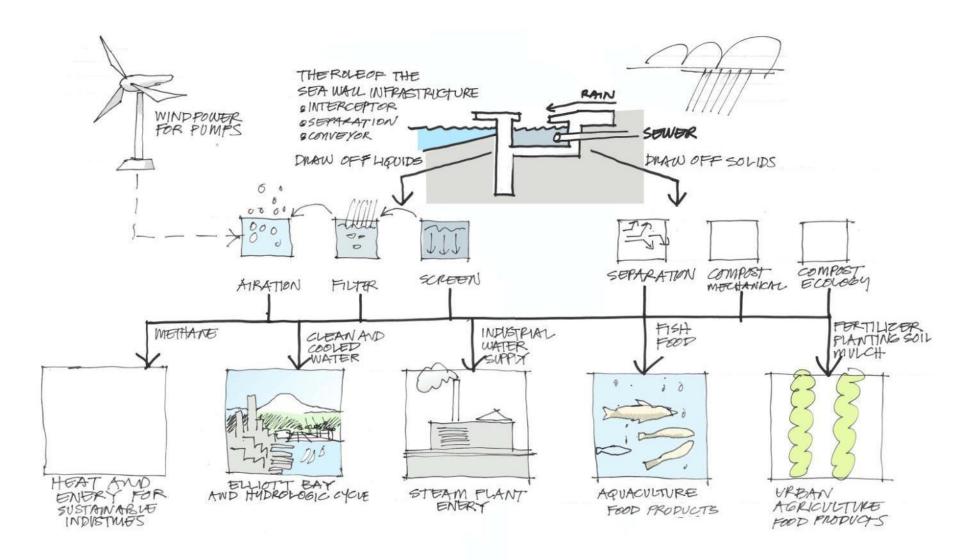


what can the seawall contribute beyond soil stabilization?











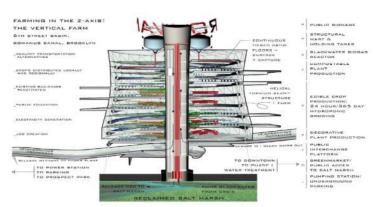




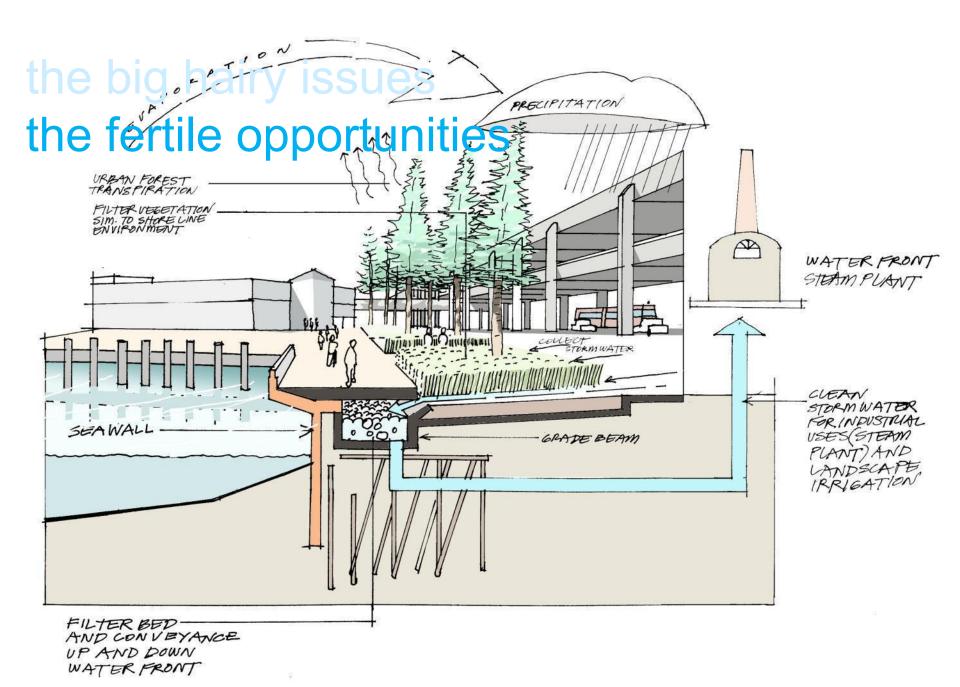












six design zones

foundation

- contours and elevations
- locations and alignments
- hydrology
- habitats
- cultural resources
- navigational requirements
- property /ownership
- construction activities
- -access requirements
- -environmental challenges
- and...



six design zones

opportunities

- contour and elevation modification
- locational and alignment improvements and enhancements
- hydrologic cycle reconstitution
- habitat restoration and creation
- cultural resource protection and education
- navigational operation
- sustenance and improvement of properties and businesses
- construction as theater and economic stimulus
- access improvements
- -sustainable interventions
- and...



Developing Conceptual Plans

- Why are end-to-end concepts important?
- How did the team develop the conceptual plans?
- How flexible are these designs?







Conceptual Approaches

	Concepts		
A	In-Kind Replacement		
В	Ecological Waterfront		
С	Urban Waterfront		
D	Context Connections		
E	Evolving Experiences		



Program Elements

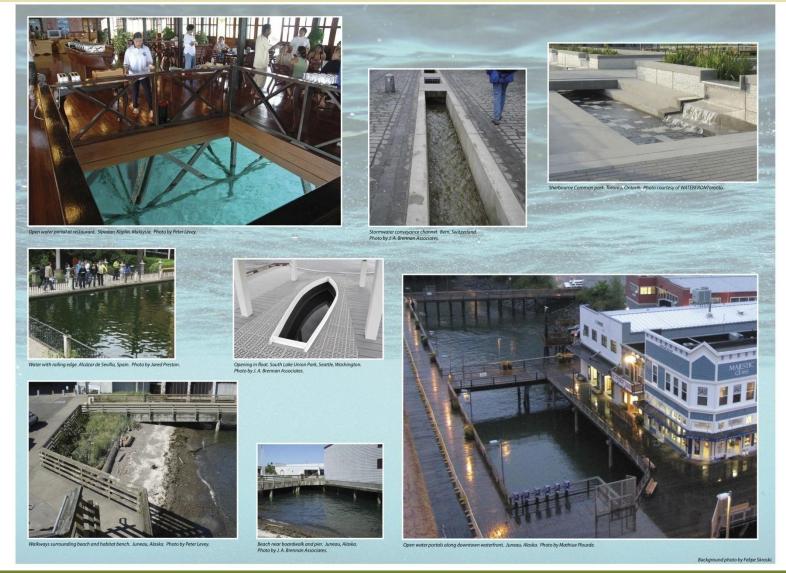
- Seawall surface treatments
- Rock structures
- Habitat features
- Beaches
- Cantilevered sidewalks
- Steps
- Railings
- Lighting
- Art elements
- Boating/transportation touchpoints
- Pedestrian touchpoints
- Sustainability features
- Educational/interpretive features



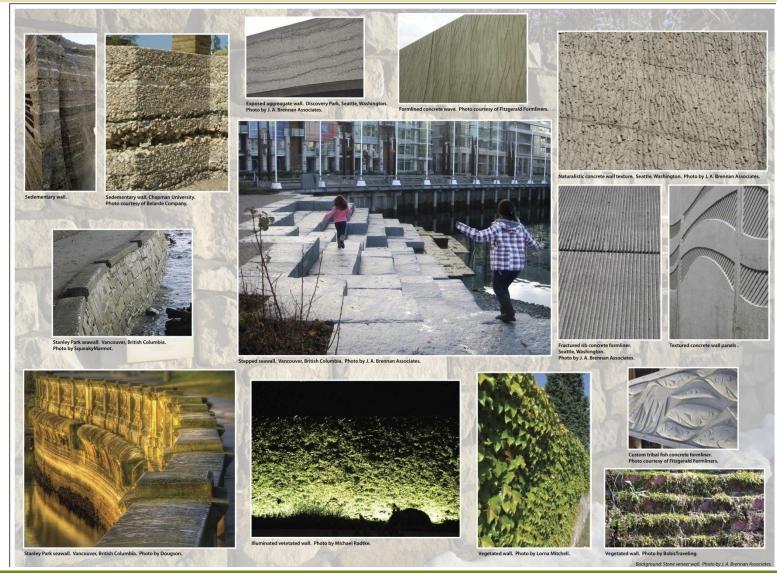
Light-Permeable Surfaces



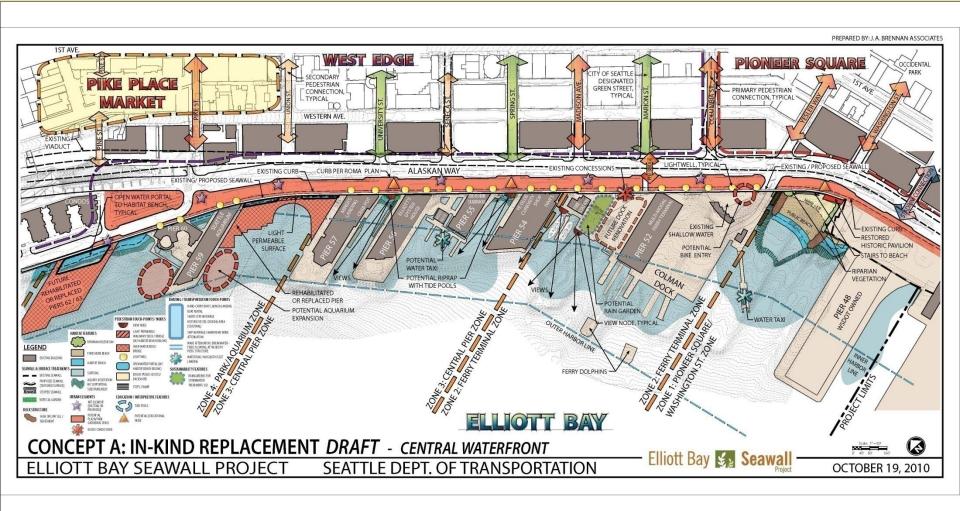
Open Water Portals



Wall Surface Treatments



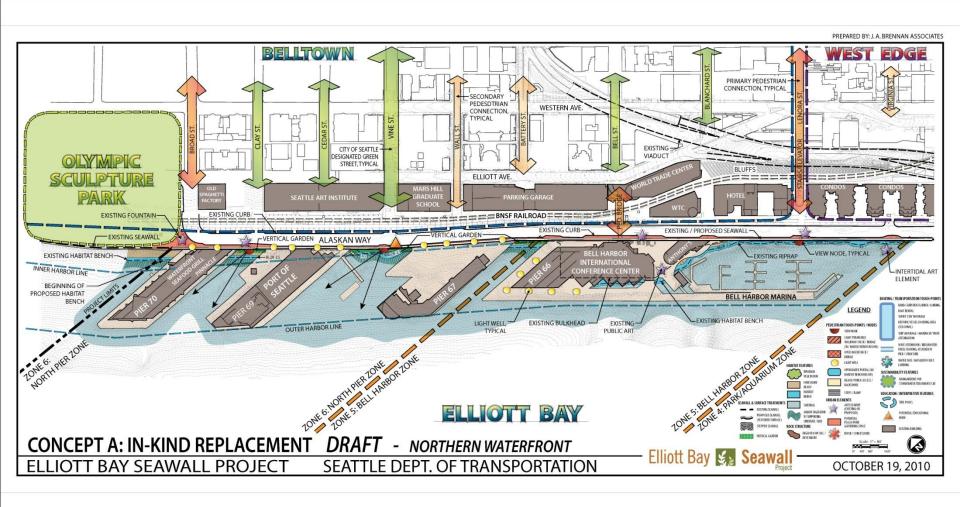
Concept A: In-Kind Replacement







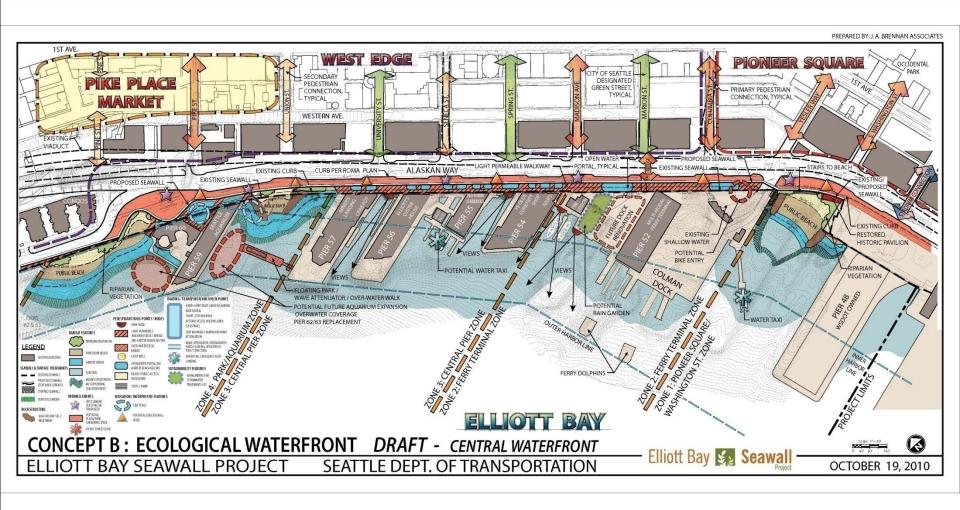
Concept A: In-Kind Replacement







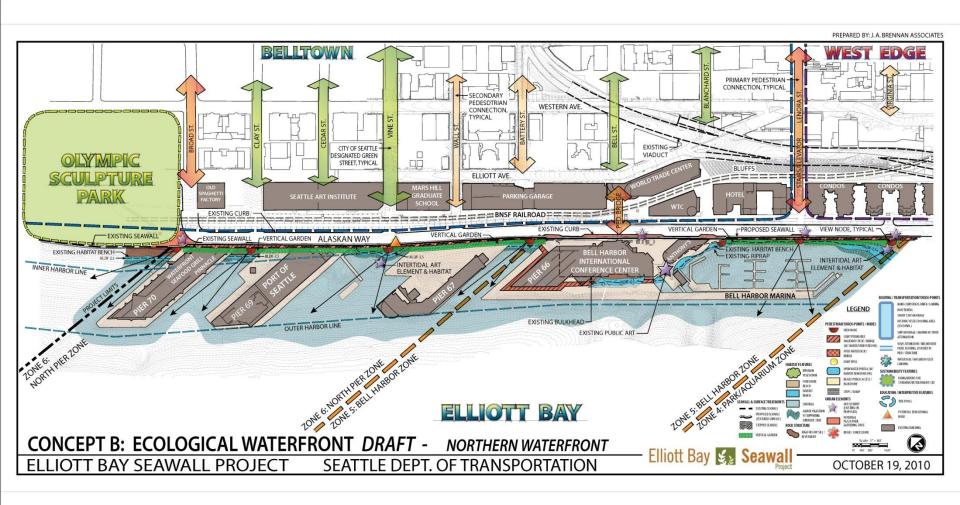
Concept B: Ecological Waterfront







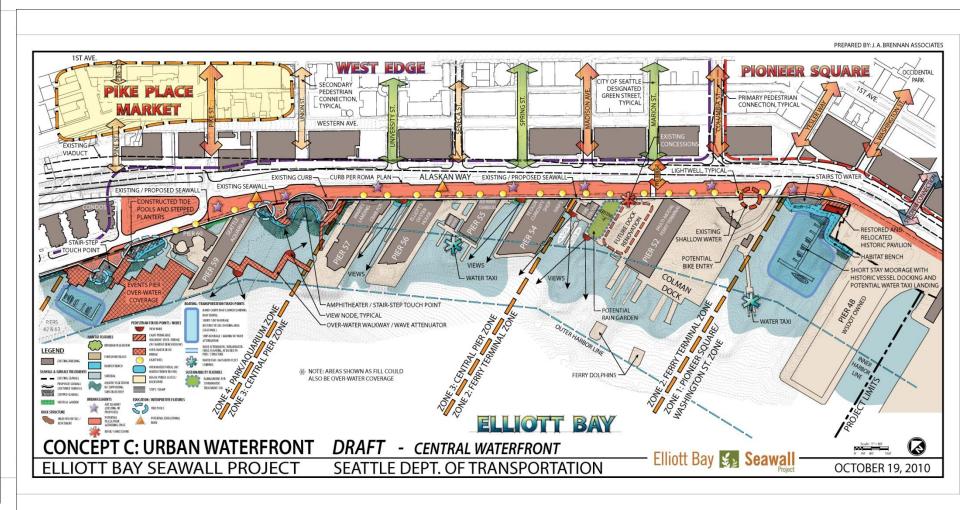
Concept B: Ecological Waterfront







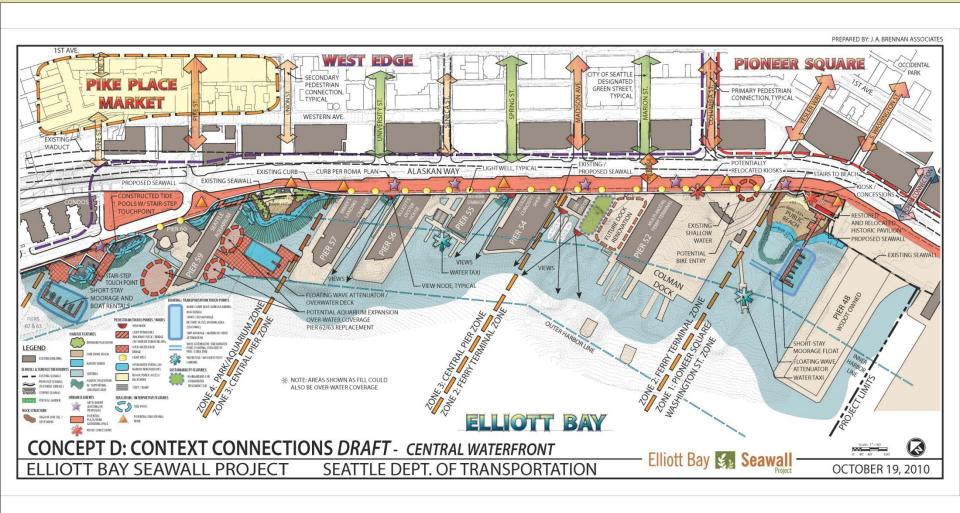
Concept C: Urban Waterfront







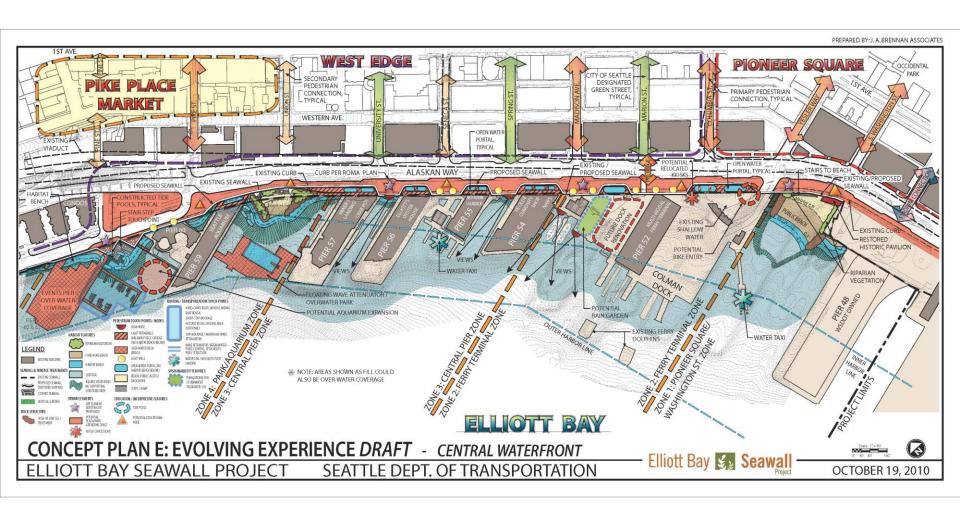
Concept D: Context Connections







Concept E: Evolving Experiences







Coordination and Partnerships



Working with City and Corps

Central Waterfront Project

Elliott Bay Seawall Project

Army Corps of Engineers





Working with City and Corps

Central Waterfront Project

Elliott Bay Seawall Project

Army Corps of Engineers





Preliminary Concept Evaluation

- Concept plans evaluated based on goals and objectives
- Results will guide the team in next steps for design refinement and development of alternatives



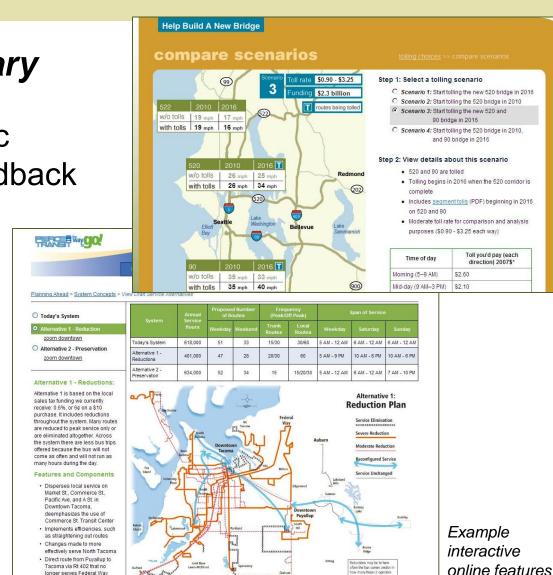




Upcoming Seawall Public Outreach

December and January

- Conduct broader public outreach to gather feedback on concepts
- Develop interactive features online
- Host public meeting
- Provide organizational briefings





Contact Information

- Email: seawall@seattle.gov
- Website:

http://www.seattle.gov/transportation/seawall.htm

• Phone: Stephanie Brown, SDOT: 206-386-4635

Jennifer Wieland, SDOT: 306-733-9970



