

# This Dream Recalls Another

## Expressions of the Memory of Landscape Reflecting Rising Sea Levels

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### Thesis

Situated on the Oakland waterfront, Channel Park is a 6-acre site, entirely composed of urban fill, bounded by Embarcadero Bay, an existing urban community, and an incoming large residential development. As a waterfront site, it will strongly feel the influence of rising sea levels throughout the next 100 years.

This design aims to express a statement on climate change and rising sea levels, through dynamic changes in the landscape over time.

At its core, the design represents the loss of the future of today's children in exchange for the preservation of an attachment to an industrial past. Major elements of the design are intended to provide thought and even a degree of protection, with different aspects being lost or gained over time. The main idea of this design is the two separate sequential experiments: the bay trail connection itself, and the water loop of children's play areas. Over time, the water loop erodes away, and one of the major programmatic elements of the design at Oakland is lost; this is intentionally done, the path that is aligned with the parking lot entrance. However, the bay trail connection, intended for cyclists and pedestrians, remains throughout the duration of the design scope, representing a sustainable future. Underlying all of this is a strong connection to the natural systems of the site, with an approximate 2/3 of the site transitioning to functioning wetlands at the end state of the design.

### Design Process

#### 1. Sea Level Rise

Based on the site analysis, one of the most prominent forces on the site is sea level rise. Thus, it became a priority to design dynamically with respect to the changing shoreline.



#### 2. Wetland Development

Understanding that the site is entirely urban fill, another priority during the design process was to create a functioning wetland throughout the site 2/3 of the site.



#### 3. Circulation and Access

Also important was circulation and access, taking into account the existing urban community, Embarcadero Bay, and the proposed connection to the Bay Trail.



#### 4. Nature Access and Education

In community waterfronts, access to the water is as well as nature education, so it was also important to design for interaction with the water loop of the site.



#### 5. Transitional Area

While all installations with the water loop and bay trail are active, over time the design shifts, becoming more on the water loop and allowing for improved marsh development.

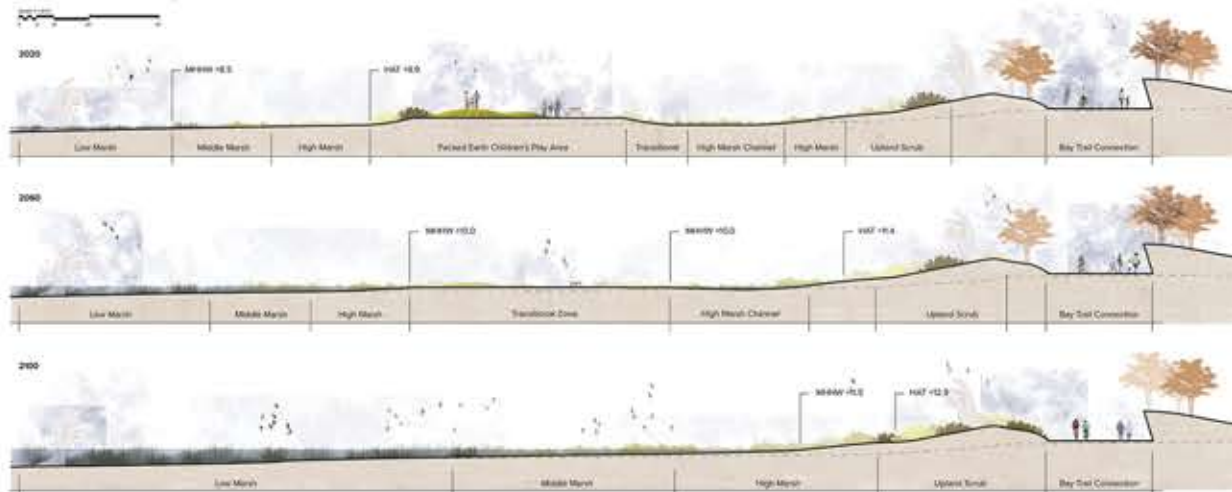


#### 6. Overall Design

While all installations with the water loop and bay trail are active, over time the design shifts, becoming more on the water loop and allowing for improved marsh development.



### Marsh Plain Development Over Time



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