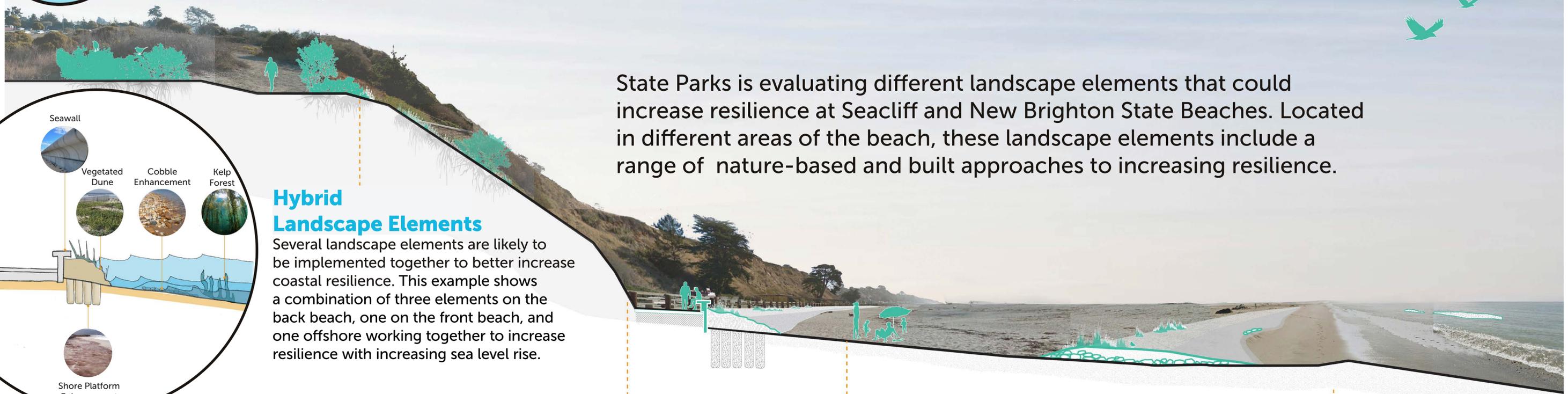




Landscape Elements

Increasing Coastal Resilience at Seacliff and New Brighton State Beaches



State Parks is evaluating different landscape elements that could increase resilience at Seacliff and New Brighton State Beaches. Located in different areas of the beach, these landscape elements include a range of nature-based and built approaches to increasing resilience.

Hybrid Landscape Elements

Several landscape elements are likely to be implemented together to better increase coastal resilience. This example shows a combination of three elements on the back beach, one on the front beach, and one offshore working together to increase resilience with increasing sea level rise.

← CLIFF TOP → ← CLIFF WALL → ← BACK BEACH → ← FRONT BEACH → ← OFFSHORE →

ADAPTATION LANDSCAPE ELEMENTS



Habitat Enhancement



Setback



Erosion Control Planting



Cliff Stabilization



Vegetated Dune



Shore Platform Enhancement



Seawall



Raised Assets



Rock Revetment



Cobble Enhancement



Beach Nourishment



Driftwood Staking*

*Driftwood Staking could be used as a component in habitat restorations. To avoid unnatural visual impacts, it would not be used in isolation.



Rocky Reef Habitat



Groins



Kelp Forest



Breakwater**

**State Parks is not considering a breakwater as a potential landscape element due to cost, regulatory feasibility, visual impacts, impacts to coastal processes, and safety.

Future implementation of any landscape elements will require coordination with different regulatory agencies and additional planning efforts. At this early stage, State Parks has not initiated permitting consultations with any regulatory agencies.

