

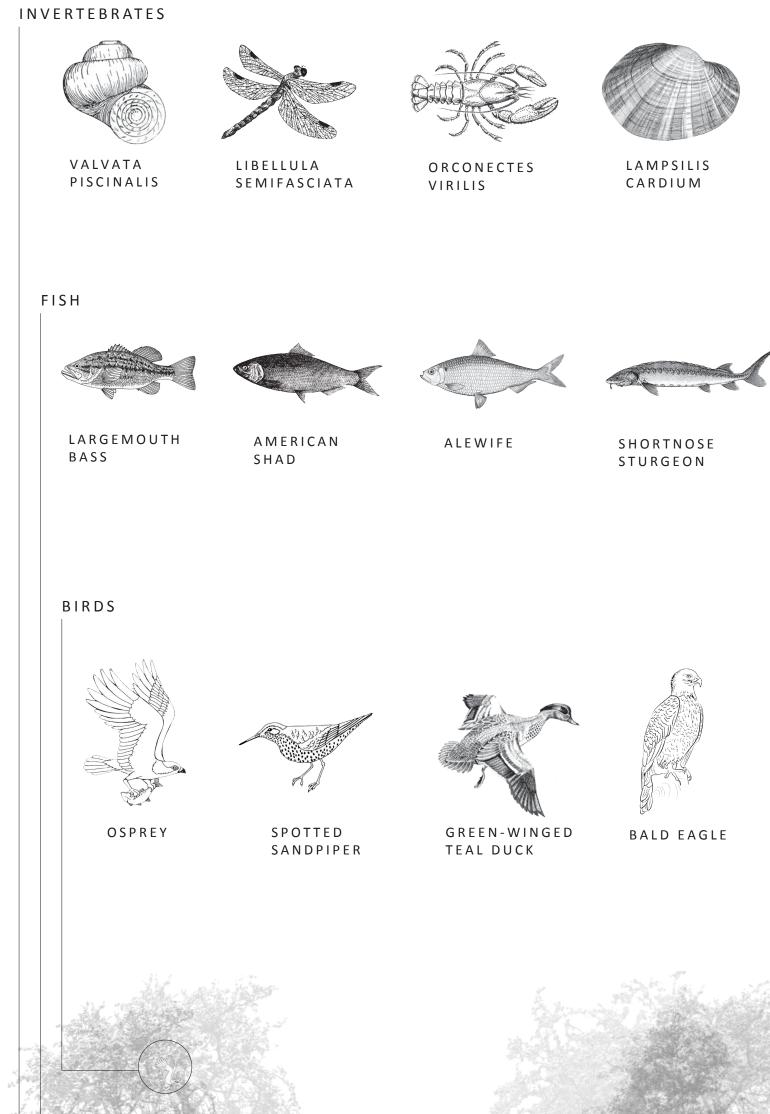
1. Swimming Beach 2. Sand Trap protects swimmers from barge-traffic waves 2. Sand Trap 3. Sculptural Shoreline 4. Pedestrial Access Bridge

SCULPTURAL SHORELINE HABITAT

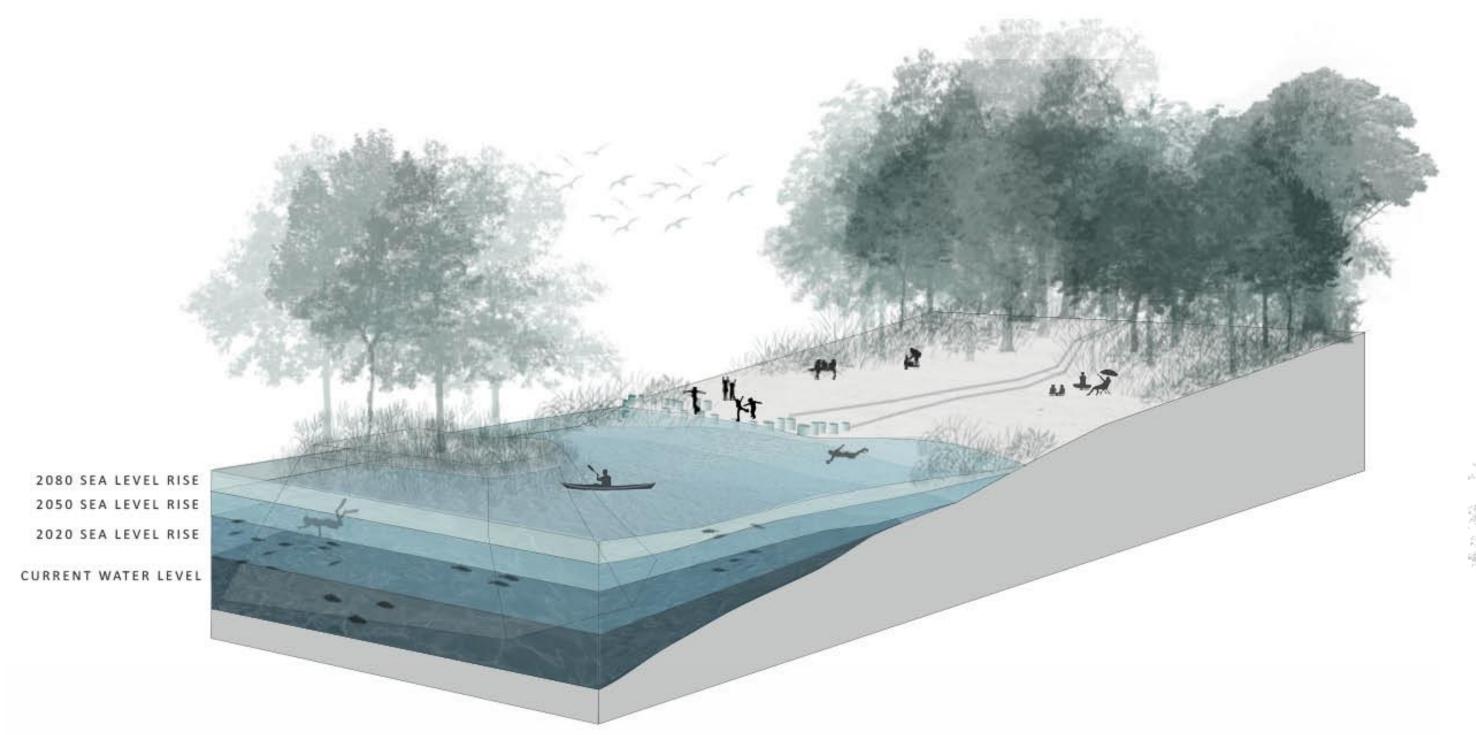
The sculptural shoreline is made up of two materials: Corten steel + concrete. The Corten has various size holes cut into it to provide inlets for multiple types of animals to go inside and use for protection. The concrete is pre-cast slabs that will have a 3-dimensional structure to them that imitates the diversity of natural surface areas found underwater, providing nooks + crannies for smaller species such as macroinvertebrates. Both materials are durable and will ideally last for many years and act as shoreline protection from major storms as well as habitat enhancement.

NORTH

COVE







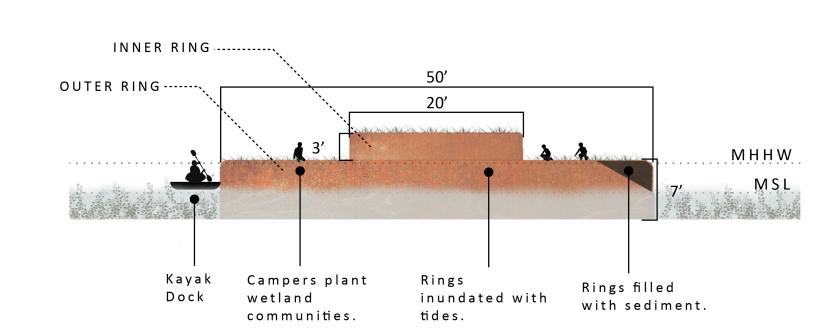


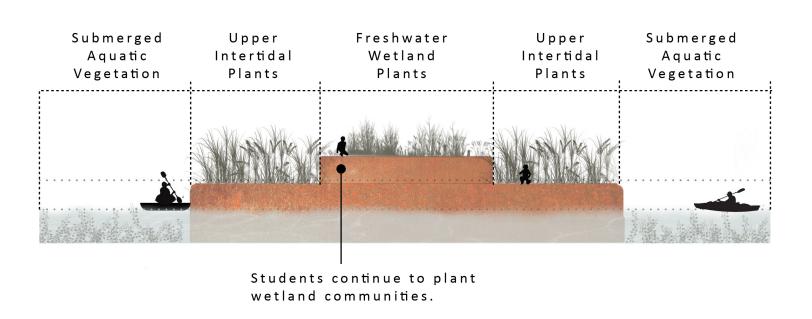
GREENWAYS TO BLUEWAYS

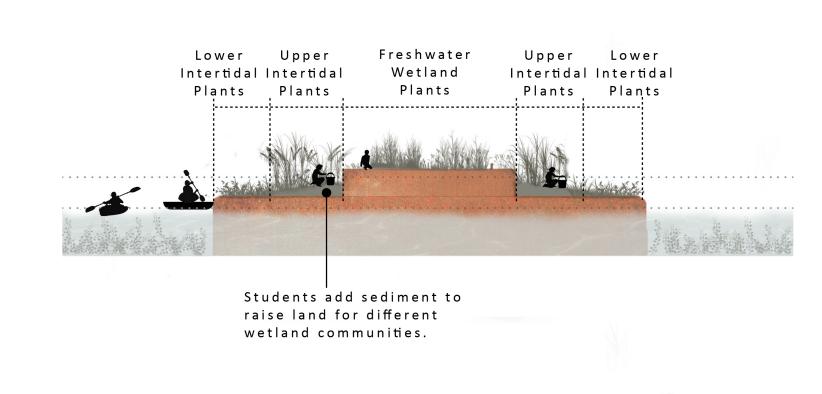
TRANSITION ZONE

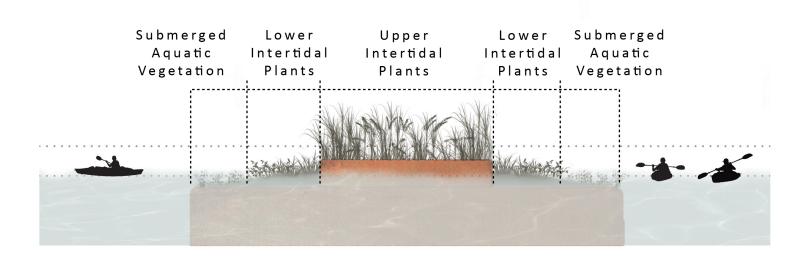
S O U T H C O V E

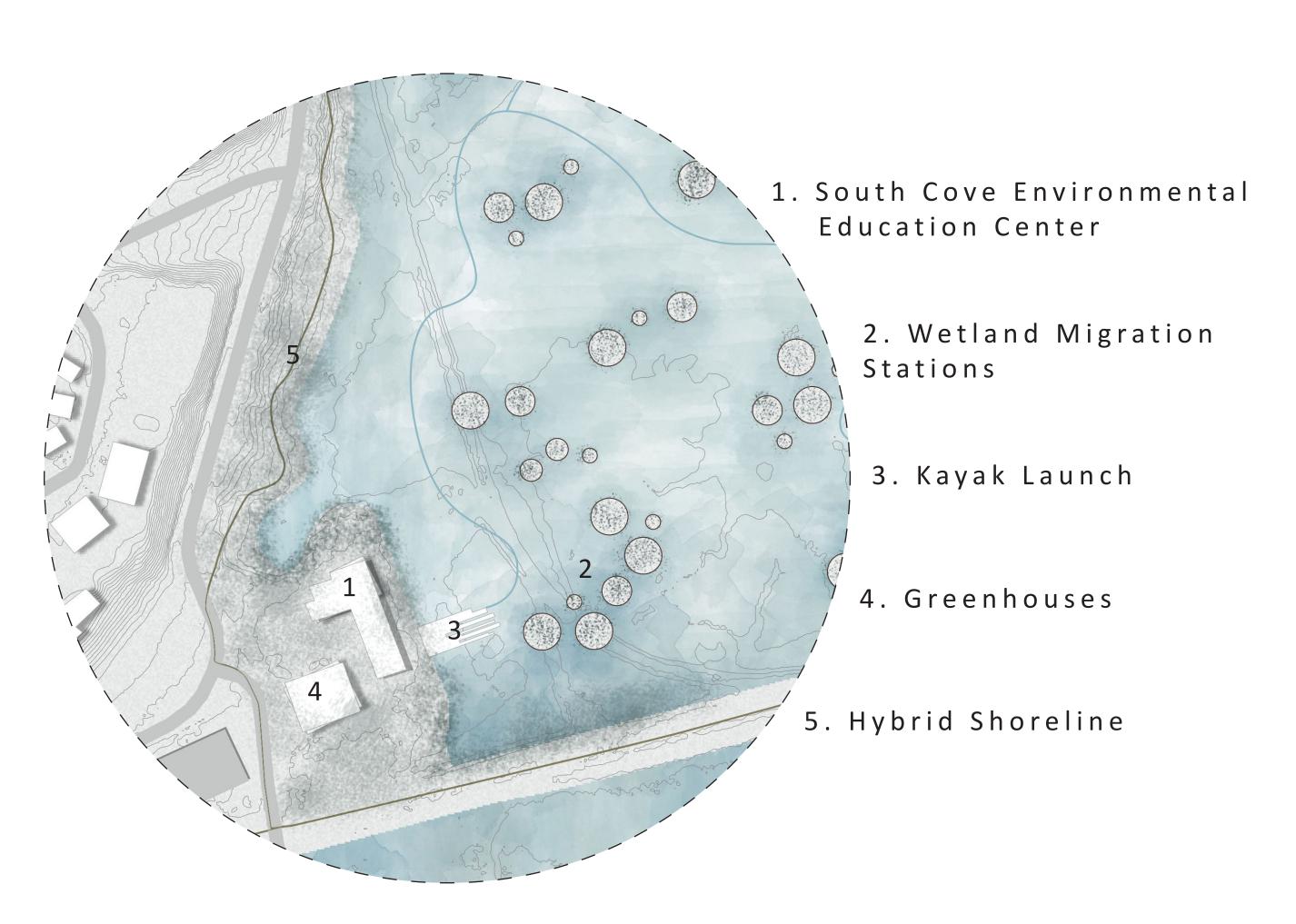
MARSH MIGRATION STATION OVER TIME











2080 SEA LEVEL RISE 2050 SEA LEVEL RISE 2020 SEA LEVEL RISE CURRENT WATER LEVEL

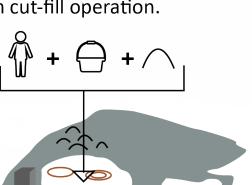
SOUTH COVE ENVIRONMENTAL EDUCATION WETLAND MIGRATION MACHINE

1. Complete cut operation to preserve and protect North Cove beach.

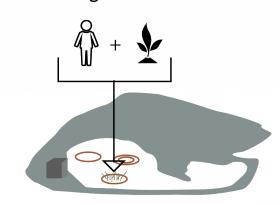
2. Create earthen land art mounds for storing excess cut material.

3. Clean and slice old oil tanks into rings and place them into South Cove.

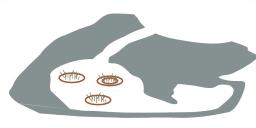
4. South Cove Environmental Education students fill "migration stations" with sediment stored in mounds from cut-fill operation.

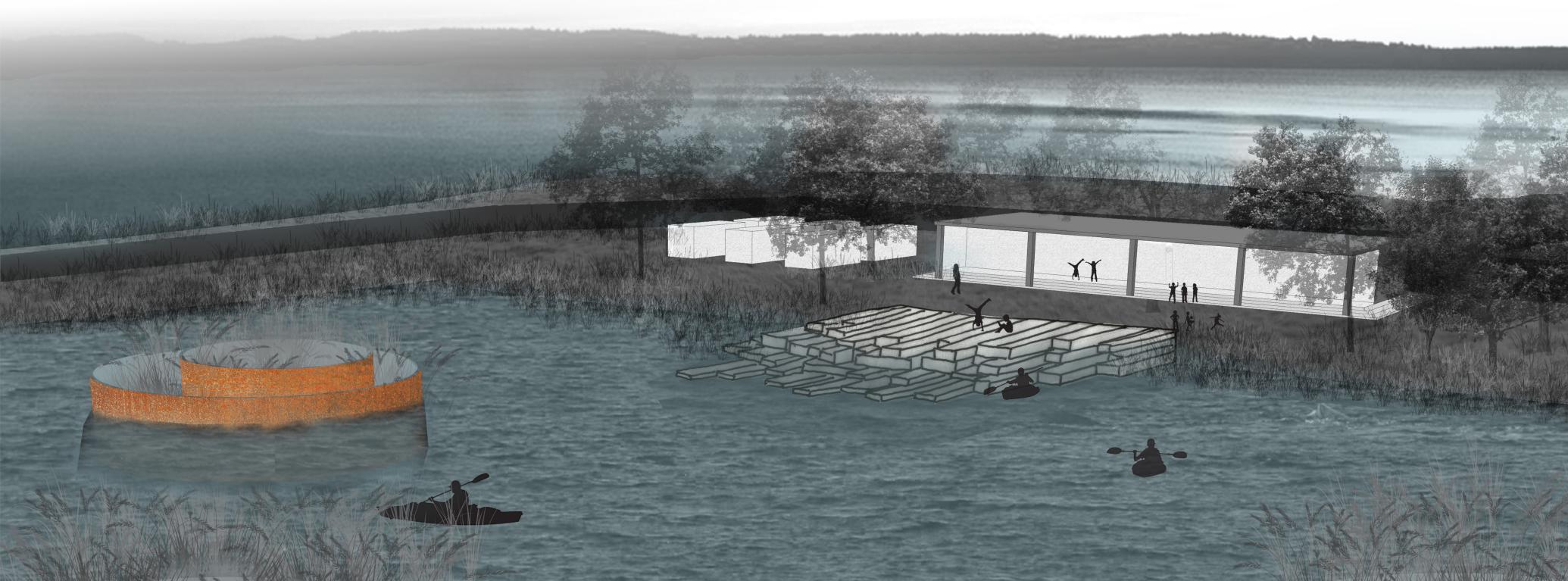


5. Students plant migration stations with intertidal wetland plants grown at the South Cove Environmental Education greenhouses.



6. As sea levels rise, existing wetland communities will disappear, but the migration stations will keep the planted wetland communities elevated.





SHORELINE EXPERIENCES

2080 SLR

2050 SLR 2020 SLR

2. EXPERIENTIAL 1. BEACH + Sense of Place + Climate change education + Recreation + Recreation Dissapearing piers ence SLR. Cut earth preserves ··depth of beach with 2080 SLR 2050 SLR 2020 SLR Current 2050 SLR 2020 SLR Current 3. HYBRID 4. SCULPTURAL + Shoreline and Road Protection + Shoreline Protection + Habitat Enhancement + Habitat Enhancement + Pedestrian Circulation + Sense of Place Terraced Hybrid Riprap and Planted Shoreline to protect road from Sculpture for Shoreline Protection Raised 7' to protect road 2080 SLR | 2050 SLR | 2020 SLR | Current | from SLR Jetty raised 6' 2080 SLR 2050 SLR 2020 SLR 5. KAYAK LAUNCH 6. NATURAL + Climate Change Education + Habitat Enhancement + Recreation + Shoreline Protection Stepped levels become inundated at 2020, 2050, and 2080. - Kayak launches shift with rising sea levels 2080 SLR 2050 SLR 2020 SLR Current

