

Migratory Bay at Marina South

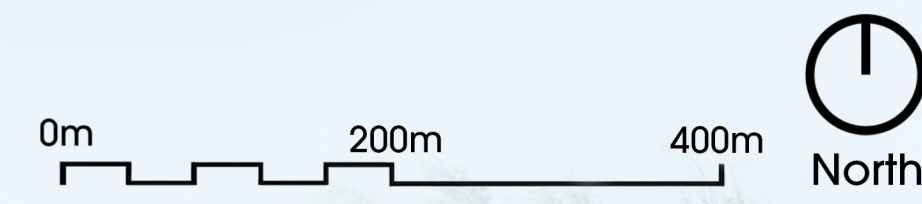
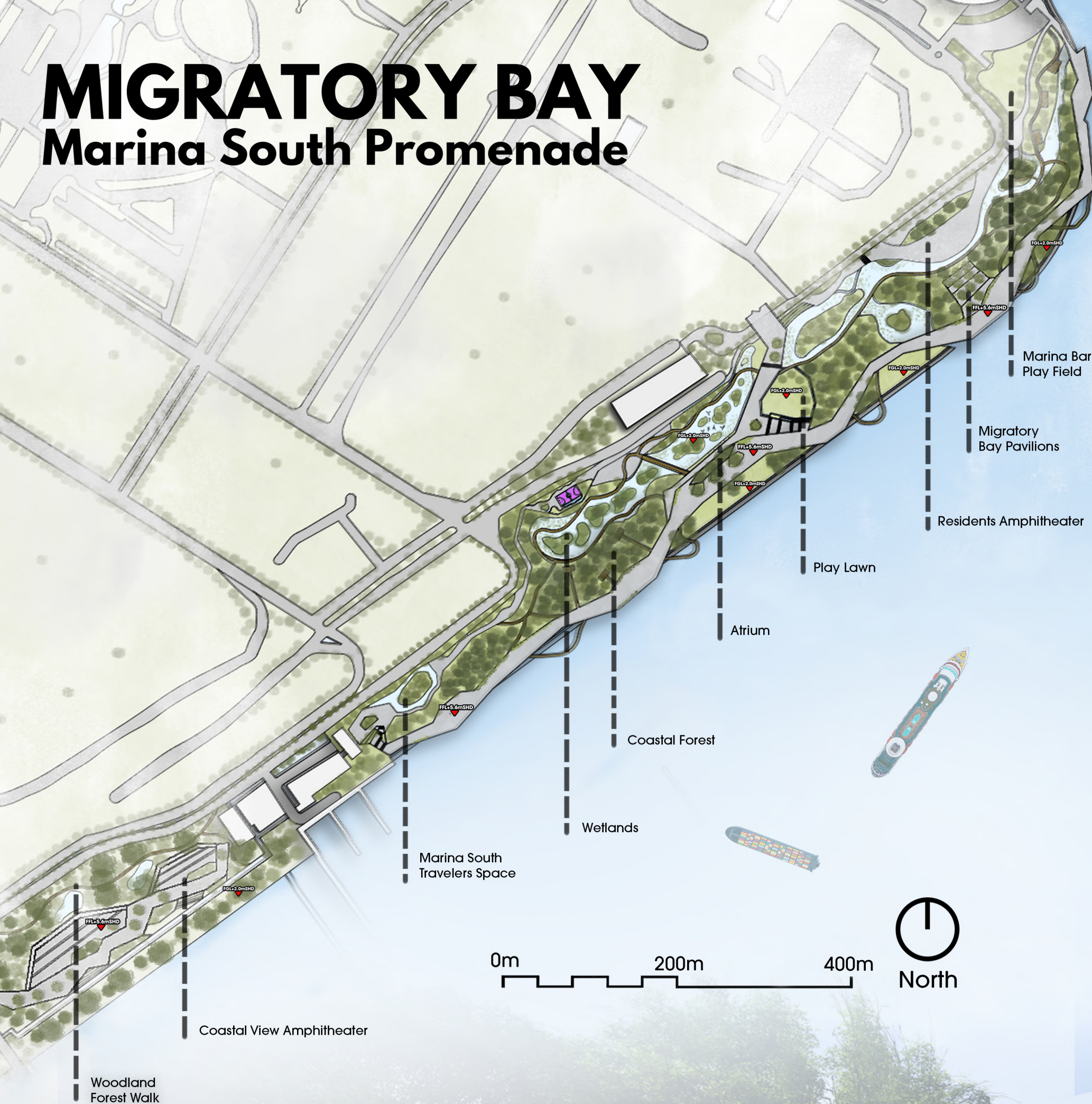
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With the emerging threat of rising sea levels at the site, the aim is to design a coastal promenade that primarily focuses on nature and the importance of the fauna at the site. The concept is to create an urban promenade that focuses on creating a natural space where the flora and fauna can thrive without an impactful disturbance from visitors using the site on weekends and public holidays.

MIGRATORY BAY

Marina South Promenade



Coastal Protection Scenario



KEY FEATURES

Coastal Promenade Protection

The Coastal Promenade and Boardwalk creates a space where users are able to enjoy a walk by the coast yet creating a barrier to protect against rising sea levels. The promenade design creates pockets of space that allows water to enter during different levels and creating a natural coastal habitat.



Spaces for People

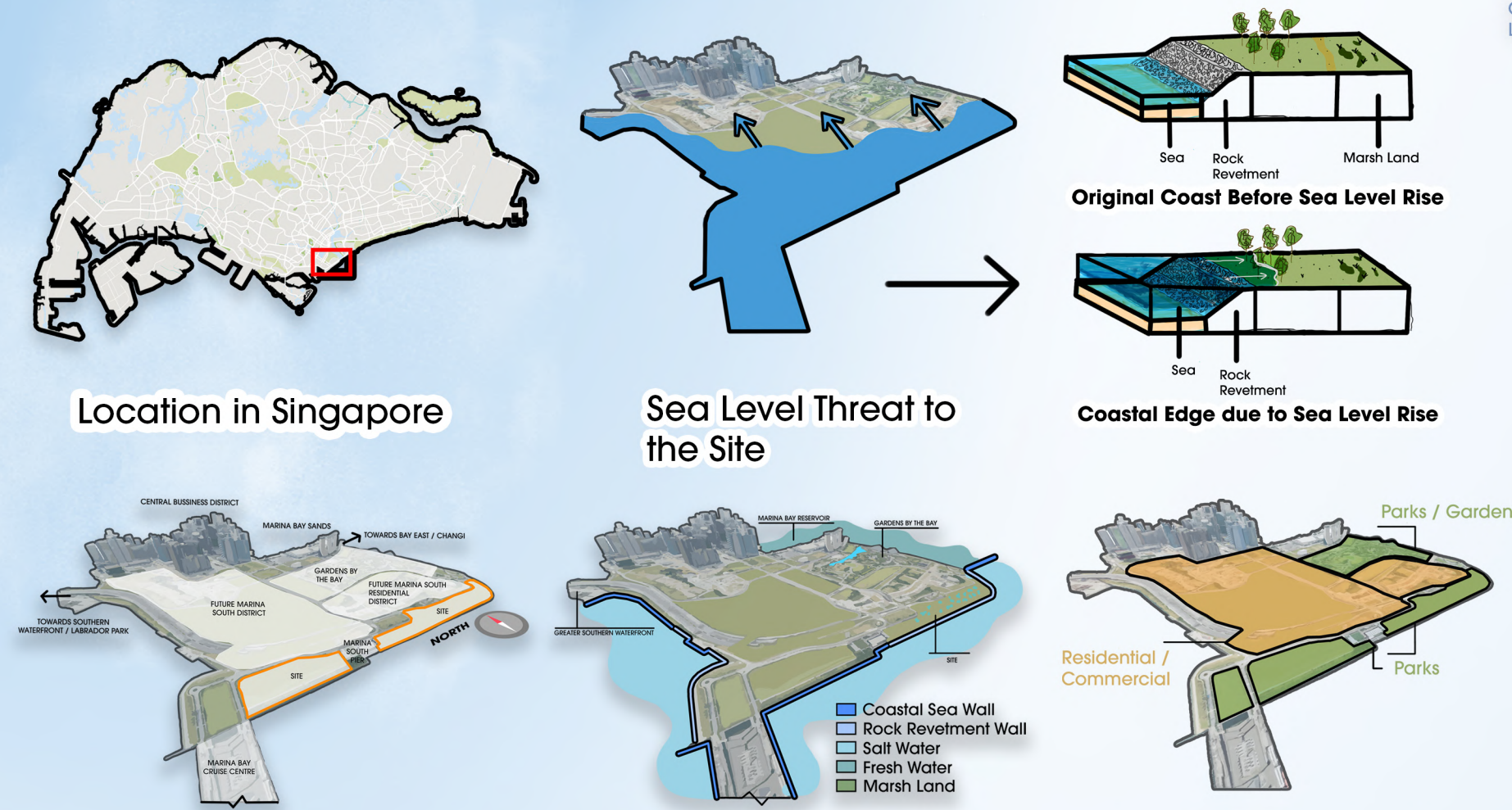
Migratory Bay includes spaces that users can enjoy and relax, it creates spaces that are also flexible to hold social events. The Pavilions creates spaces that users are able to hide and enjoy a place closer to nature.



Nature Focus

Migratory Bay is designed to create a space where the primary focus is allowing the flora and fauna to thrive while the wetlands allows the fauna of the area to have access to fresh water. A place where the future Marina South Residents and users can go to relax in nature away from the bustling city.

Current Site Issues and Potential



About the Site Surrounding
Site located near Downtown Singapore, situated between Great Southern Waterfront, Bay East and connected to Gardens by the Bay.

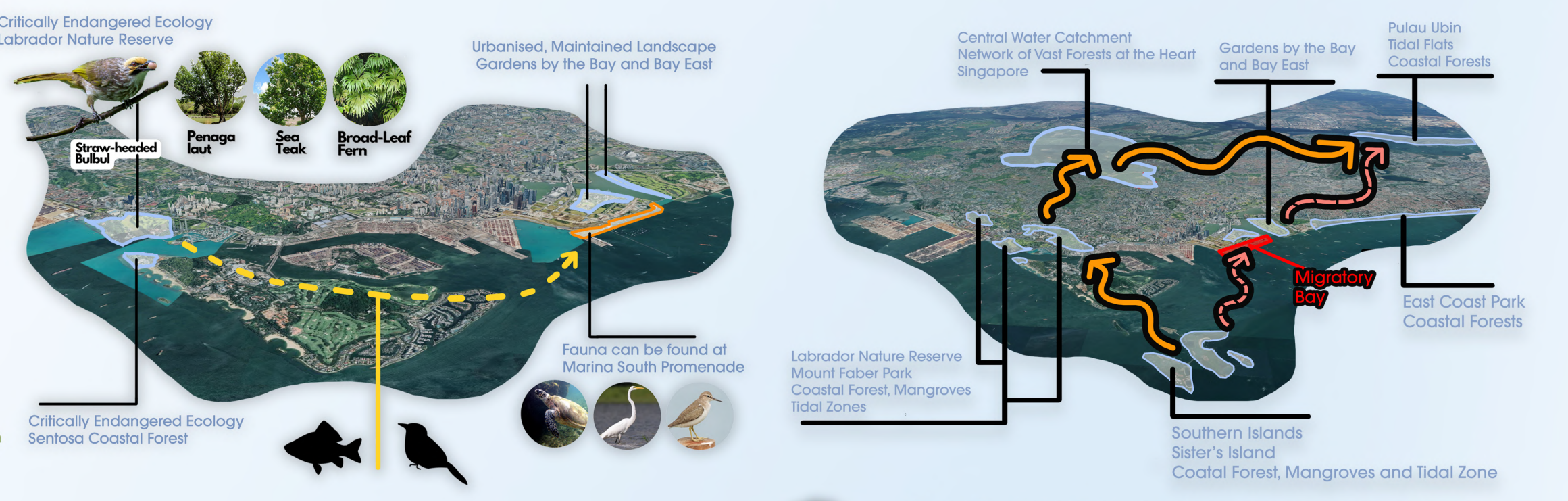
The Coastal Edges
The site is currently a marsh land and is located by the sea with a rock revetment sea wall.

The Future of the Site
The site is planned to be a park and the surrounding site to be residential and commercial spaces.

Design Strategy

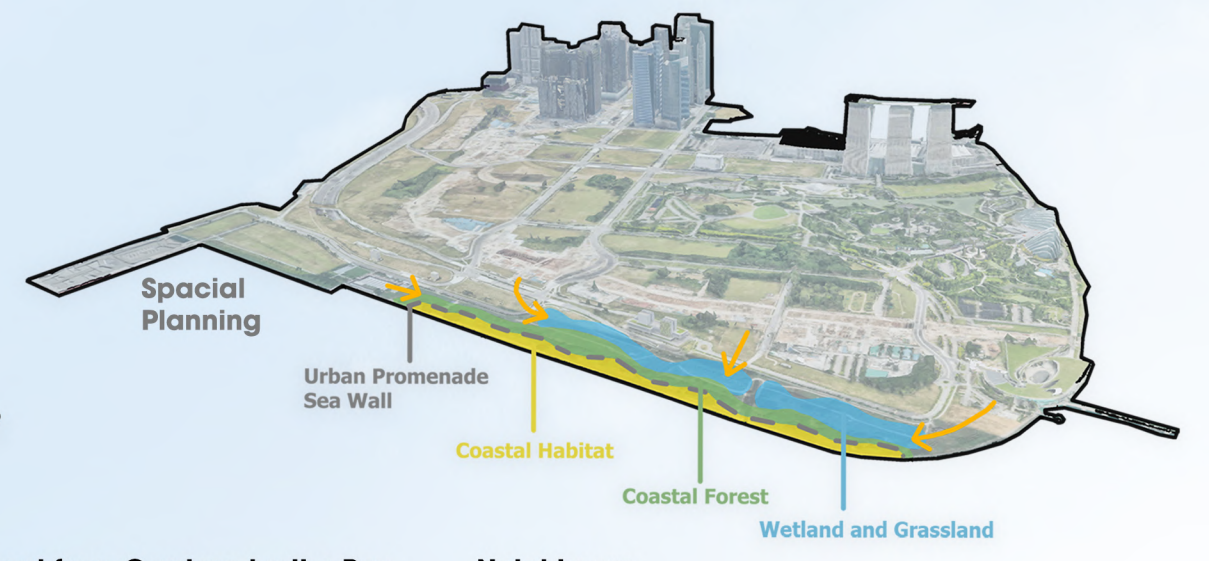
Creating a Natural Landscape

- WETLANDS AND GRASSLANDS**
Enjoyment for Residents
Creating Wetland habitats and Collecting Rainwater
- COASTAL FORESTS**
Retreat Location for Residents, A Place for Relax
Trees for Birds and an Urban Promenade
- COASTAL HABITAT**
Marine Habitats with Coastal Protection
Mangroves and Naturalised



The Fauna Connection and Migration

With its location situated inbetween Gardens by the Bay and the Southern Islands of Singapore, many bird and marine species pass through and rest in the area of Marina South. The Site holds many habitats and is a key area for the many fauna of Singapore.

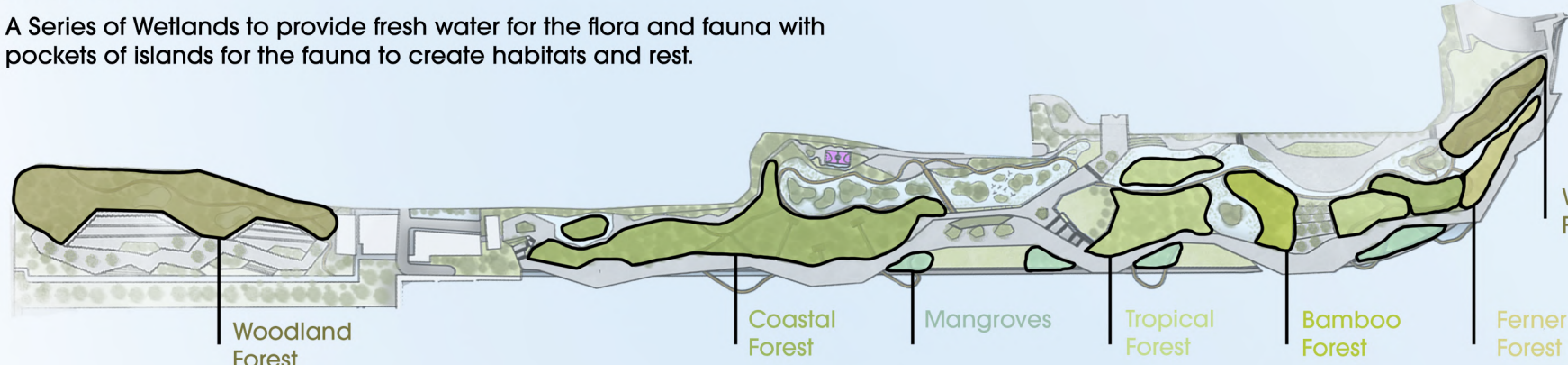


An Experience Different from Gardens by the Bay
The site, a destination park for both Singaporeans and the Marina South Residential District. A place where nature and birds takes it course to flourish and be truly a safe haven for wildlife. Visitors will be visiting a site different from Gardens by the Bay.

Neighbours
The future Marina South Residential District will be contain multiple housing and commercial units, the town will include multiple pocket parks and a raised landscaped bridge connecting Gardens by the Bay to Marina South Coastal Park.

PROGRAMS Experiencing the Nature in Downtown

Wetlands
A Series of Wetlands to provide fresh water for the flora and fauna with pockets of islands for the fauna to create habitats and rest.



Types of Forests
A series of different forests both for the fauna to create habitats and users to Immerse themselves and Learn.

Forest Planting

Play Lawn Planting

Potential Birds

Human Activity Spaces
Active and passive spaces are created to give both residents and users spaces to Relax, Immerse and Enjoy



Boardwalk Network
Boardwalks throughout Migratory Bay for users to venture deep into the different zones to Enjoy, Immerse and Learn about nature.

Bird Canopy Tower Design - Getting close with the Birds

Green Roof to Hide Tower Allows Plants to Flourish Naturally		Mesh Cladding Design Allows Creepers to Grow Allows Creepers to Hide Tower
Tree Branch Design Areas for Birds to Rest Allow Creepers to Hide Tower		
Planters Boxes Allow Plants to Hide Tower and Drape Down		

Atrium for the People

With the future Landscape Bridge that connects Marina South Residential District and Gardens by the Bay to Migratory Bay, the Atrium will be located right at the entrance and exit of the landscape bridge, this gives a open space within the lush forested environment for the future residents and visitors.

The Atrium also acts as a flexible meeting place and is designed and created to be able to hold events temporary. Such events for example, night markets, social events, sports events, road shows, and other pop-up events.



Coastal Forest

The Bird Canopy Towers located inside the Coastal Forest gives users a opportunity to experience a natural environment away from the city and residential area that primarily focuses on people.

The Towers give users an opportunity to get up close to the birds and fauna in the forest and get up close to the canopies of the trees located inside the forest.

The Coastal Forest is a place where users can experience a place away from the bustling city and enjoy a place like Coney Island, Central Water Catchment or Sungei Buloh without travelling a far distance.



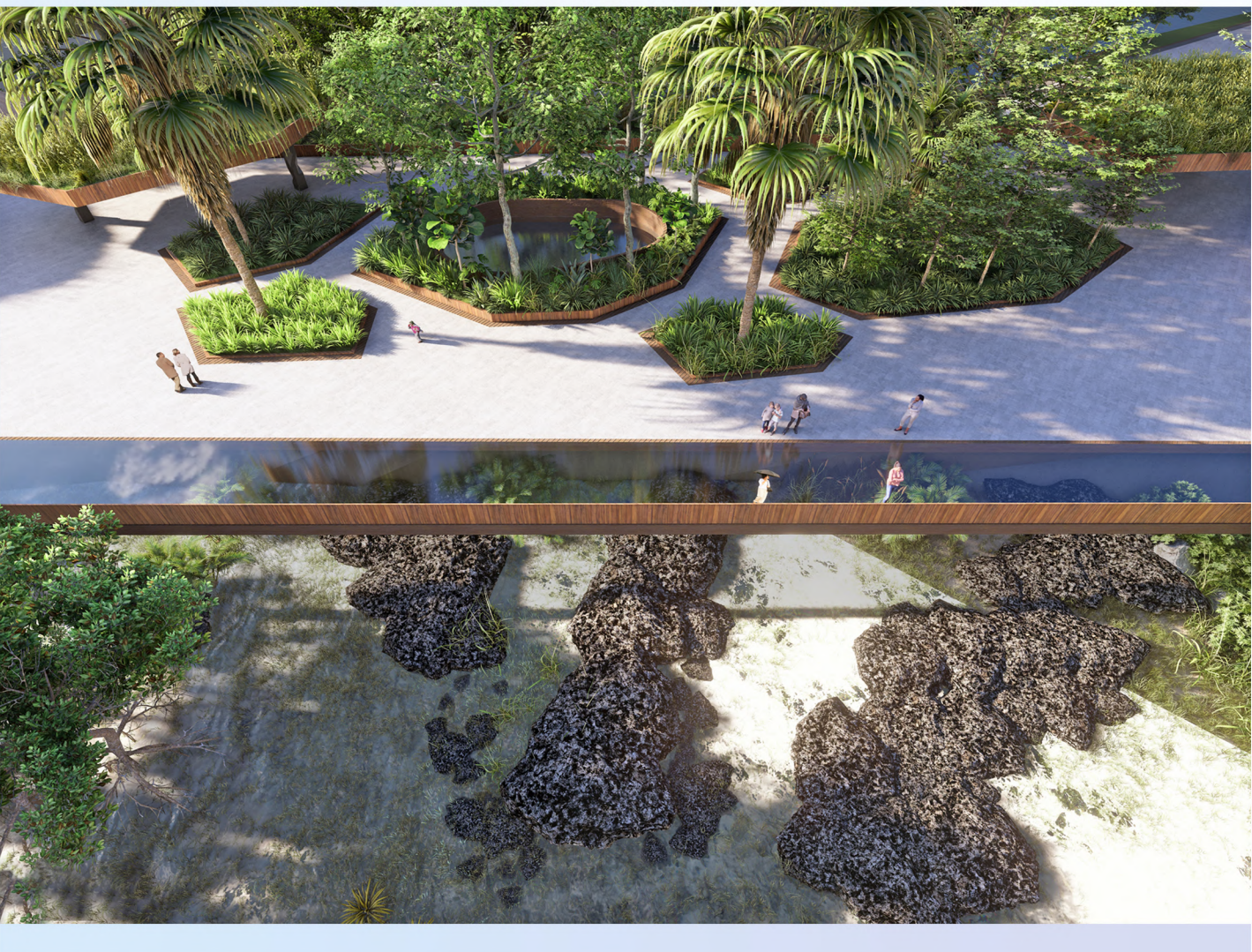
A Coastal Promenade

The Promenade stretches from Marina Barrage to Marina South Pier also acting as a form of protection from rising sea levels.

The Promenade consist of pavilions and pockets of lush green trees giving users an enjoyable walking and sitting space. The lush green pockets gives users shade from the sun and also an enjoyable atmosphere that goes along with the coastal view.

The Promenade is designed to have areas that goes out to sea and areas that are set in to create a space where sea levels to set to rise and create coastal habitats that allows the crabs, birds and other fauna to thrive.

With the different tide levels this also helps create a right environment for the mangroves and other coastal flora.



An Enjoyable Promenade

The Promenade will include sections of glass decking to allow users to enjoy a walk or a moment to observe the waves or coastal habitats. The Glass Promenade also create a design to the promenade giving an impression of openness and an enjoyable coastal experience.

These glass decking also allows light to pass through during the day to provide sunlight for the flora and fauna that live beneath the promenade

