

MORGAN SHOAL

Project Boundaries

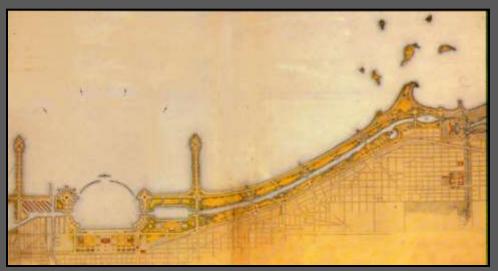
North



HISTORY

Burnham Park

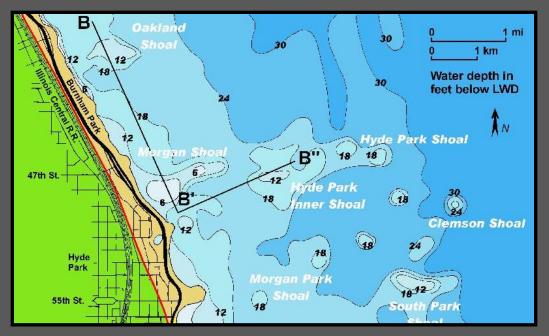
1909 Burnham Plan

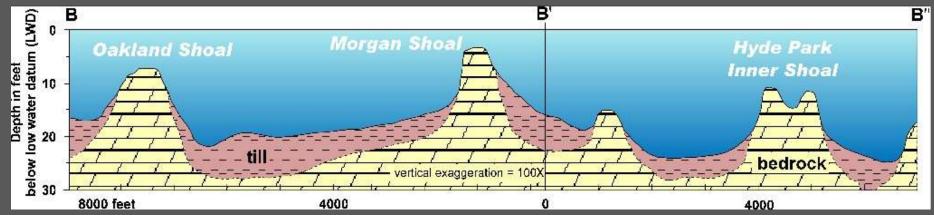


1920 South Park Commission Plan



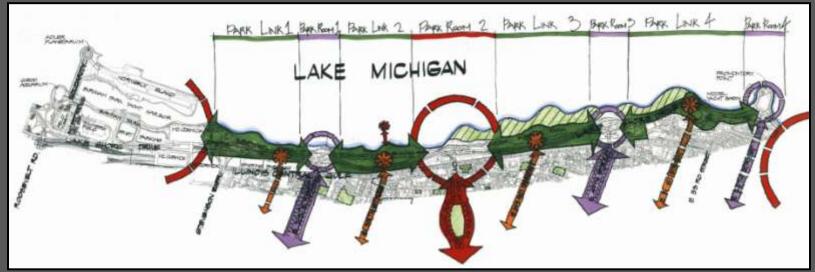
COASTAL ENGINEERING





HISTORY: BURNHAM PARK FRAMEWORK 1999

Plan Objectives



- Organize the park into "Park Links" & "Park Rooms"
- Relocate the majority of parking

- Increase parkland
- Preserve & enhance the natural landscape character
- Reduce noise from Lake Shore Drive

HISTORY

Plan Objectives

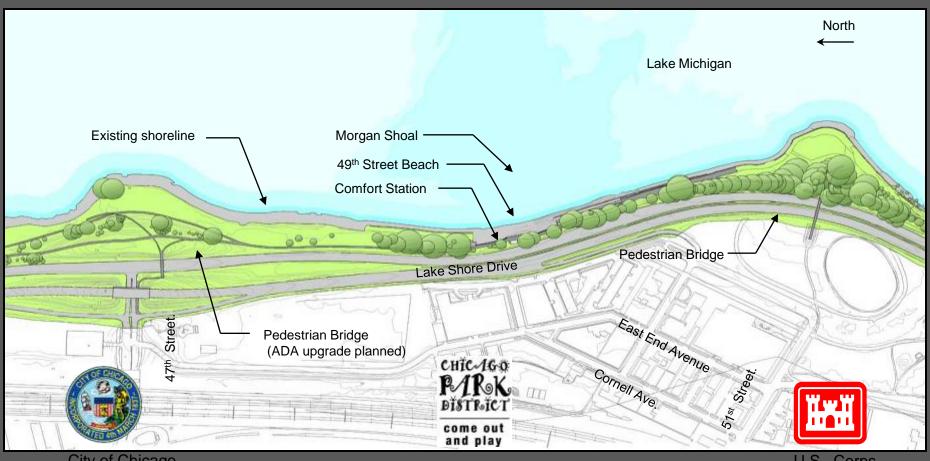


- Improve access & circulation
- Preserve view corridors
- Recreate habitat & shoreline ecology

- Create beaches
- Create gateways
- Comply with the Lakefront Protection Ordinance

CHICAGO SHORELINE PROTECTION PROJECT

45th Street to 51st Street



City of Chicago
Dept of Environment

Chicago Park District

U.S. Corps of Engineers

EXISTING CONDITIONS



1. View to City



2. Existing revetment

45th Street to 51st Street





3. Existing trail & comfort station

EXISTING CONDITIONS



45th Street to 51st Street



1. Existing revetment



2. Site access – 47th St. Bridge



3. Narrow pebble beach

CHICAGO SHORELINE PROTECTION

- Control flooding of the park & Lake Shore Drive
- Prevent shoreline erosion
- Provide universal access to the shoreline revetment
- Increase usable parkland
- Expand & diversify recreational & environmental amenities

PARK EXPANSION – 37TH TO 40TH STREETS



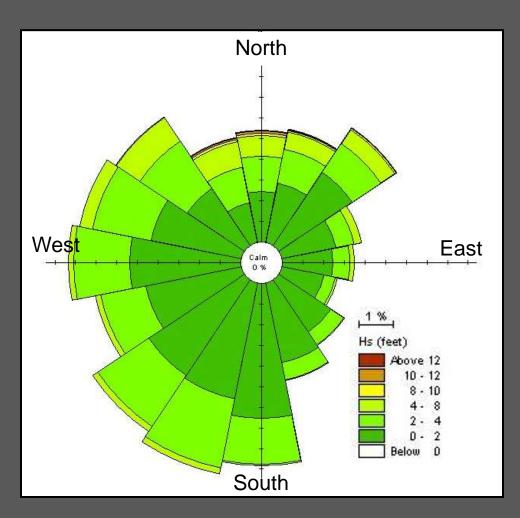
COASTAL ENGINEERING: PLANNING

CONSIDERATIONS

Wave Action: Energy & Height

Shoreline Protection Structures

- Soft Edge vs Hard Edge
- Water Quality
- Permit Considerations
- Littoral Sand Transport



PLANNING PROCESS

- Alderman
- Public Agencies
- Design Group
- Community at Large
- Interactive Website



Passive & Low Impact Recreation









Pedestrian & Bicycle Paths & Boardwalks





Environmental Education



Guided Tours

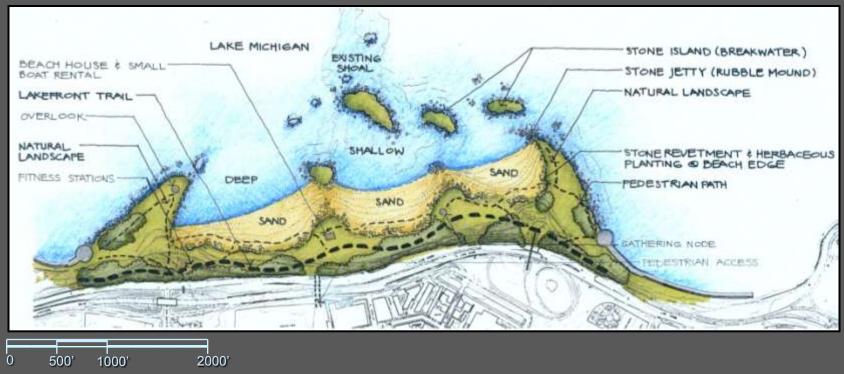


Interpretive Signage

Sand & Pebble Shoreline & Beaches





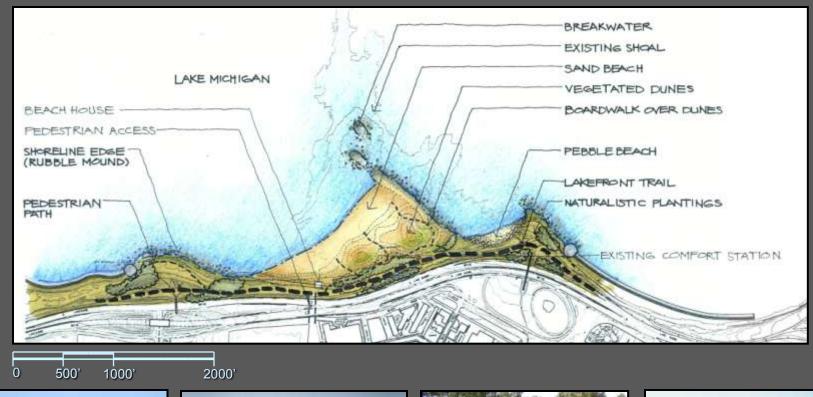








































Coastal & Inland Wetlands







Natural Dune & Swale









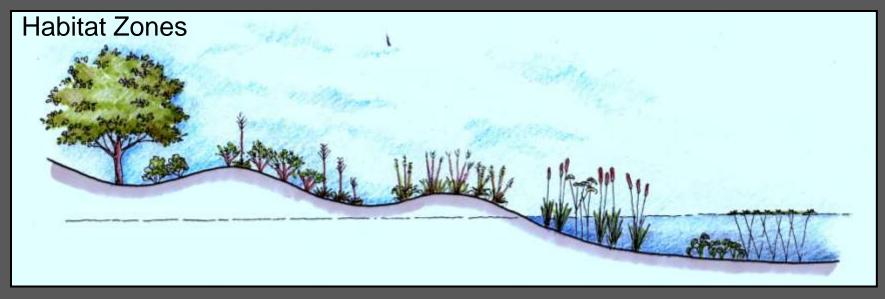
Prairie Features



Re-create native plant communities

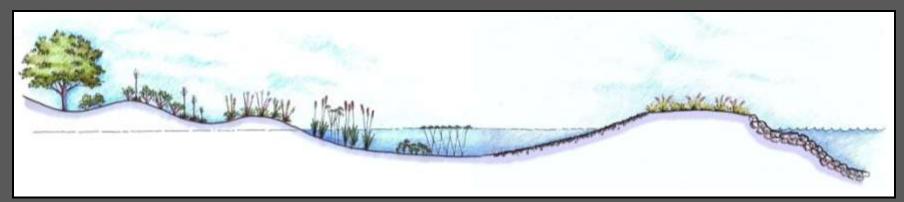


Bird & Wildlife Habitat



Upland Trees & Shrubs Shrub Shrubs & Sedges Wet Meadow Sedges, Grasses & Rushes Emergent Cattails & Emergent Plants Aquatic Submerged Plants

Bird & Wildlife Habitats



Lagoon and Island Profile

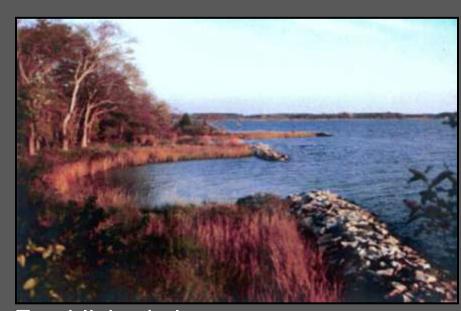


Lagoon and Beach Profile

Wetland Establishment

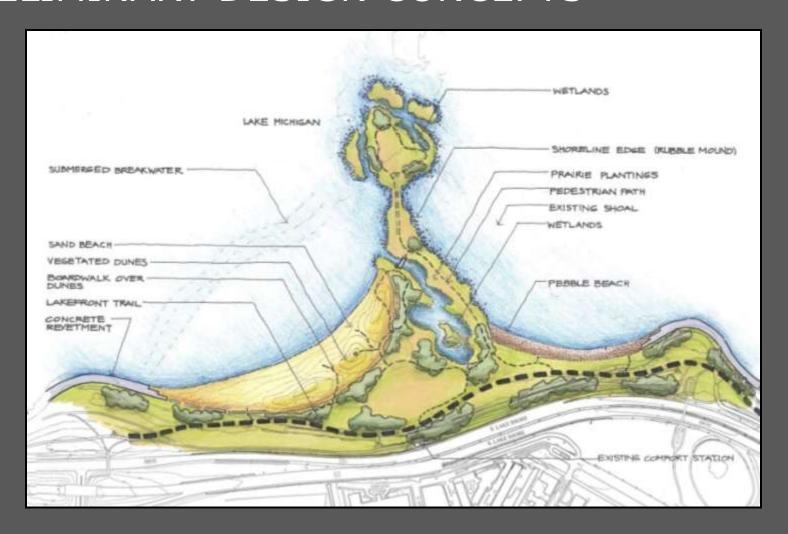


Initial Installation

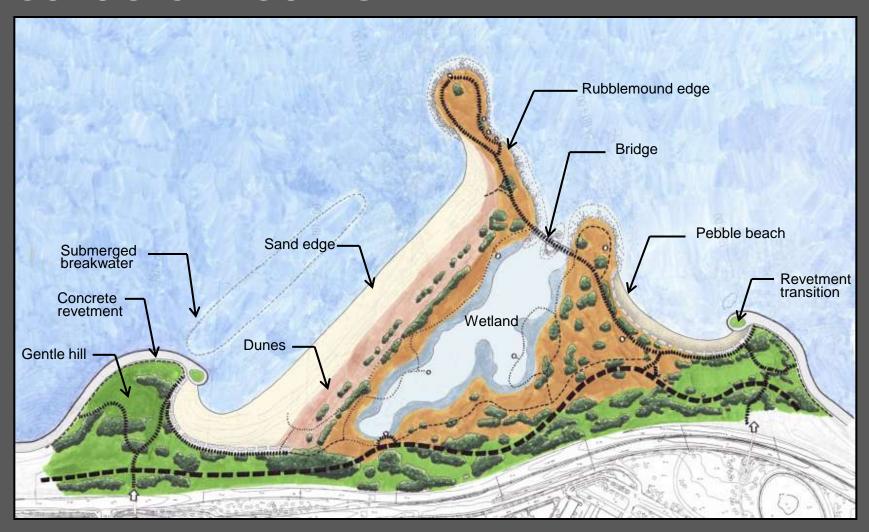


Established plants

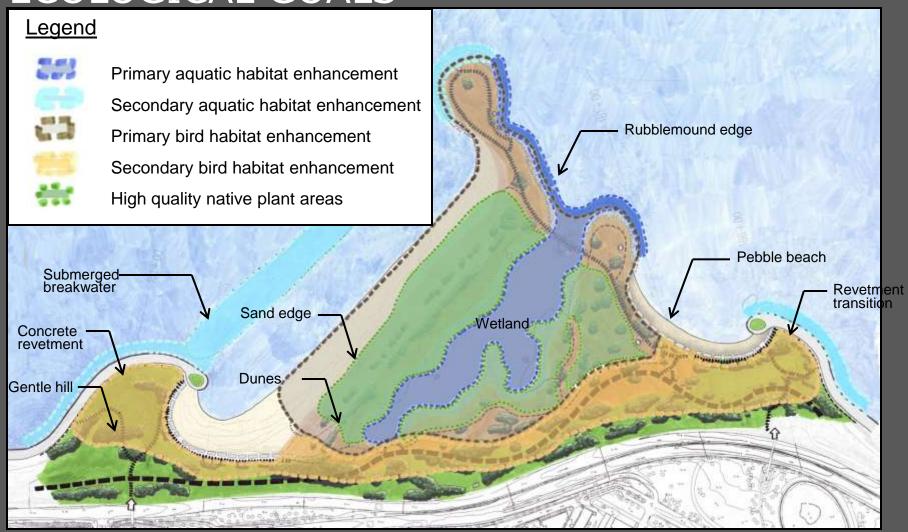




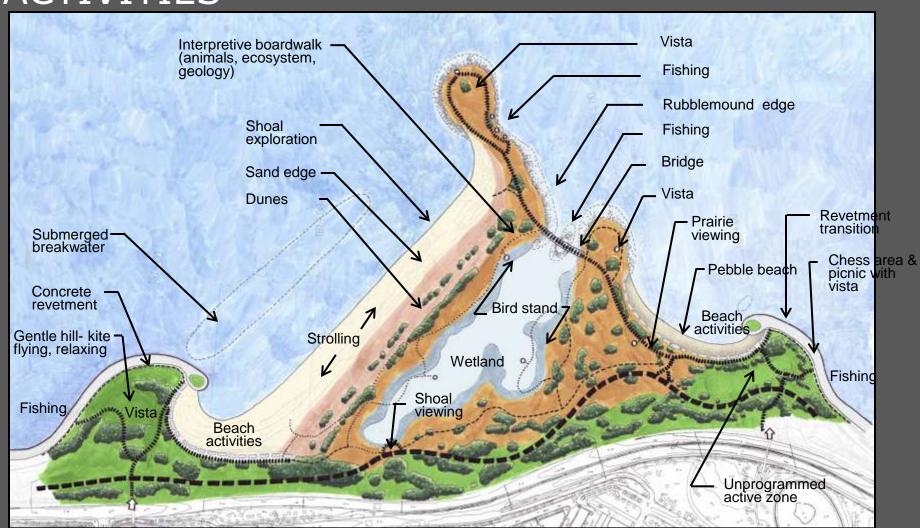
ECOLOGICAL GOALS



ECOLOGICAL GOALS



ACTIVITIES



PLANT COMMUNITIES



CONSTRUCTION PHASES

