

San Jose / Santa Clara Water Pollution Control Plant
Plant Master Plan

SOUTH BAY SALT POND RESTORATION LAND USE ALTERNATIVES PRESENTATION

September 23, 2010

Carollo Engineers
Skidmore, Owings & Merrill LLP
Hargreaves Associates
Brown & Caldwell
Bay Area Economics

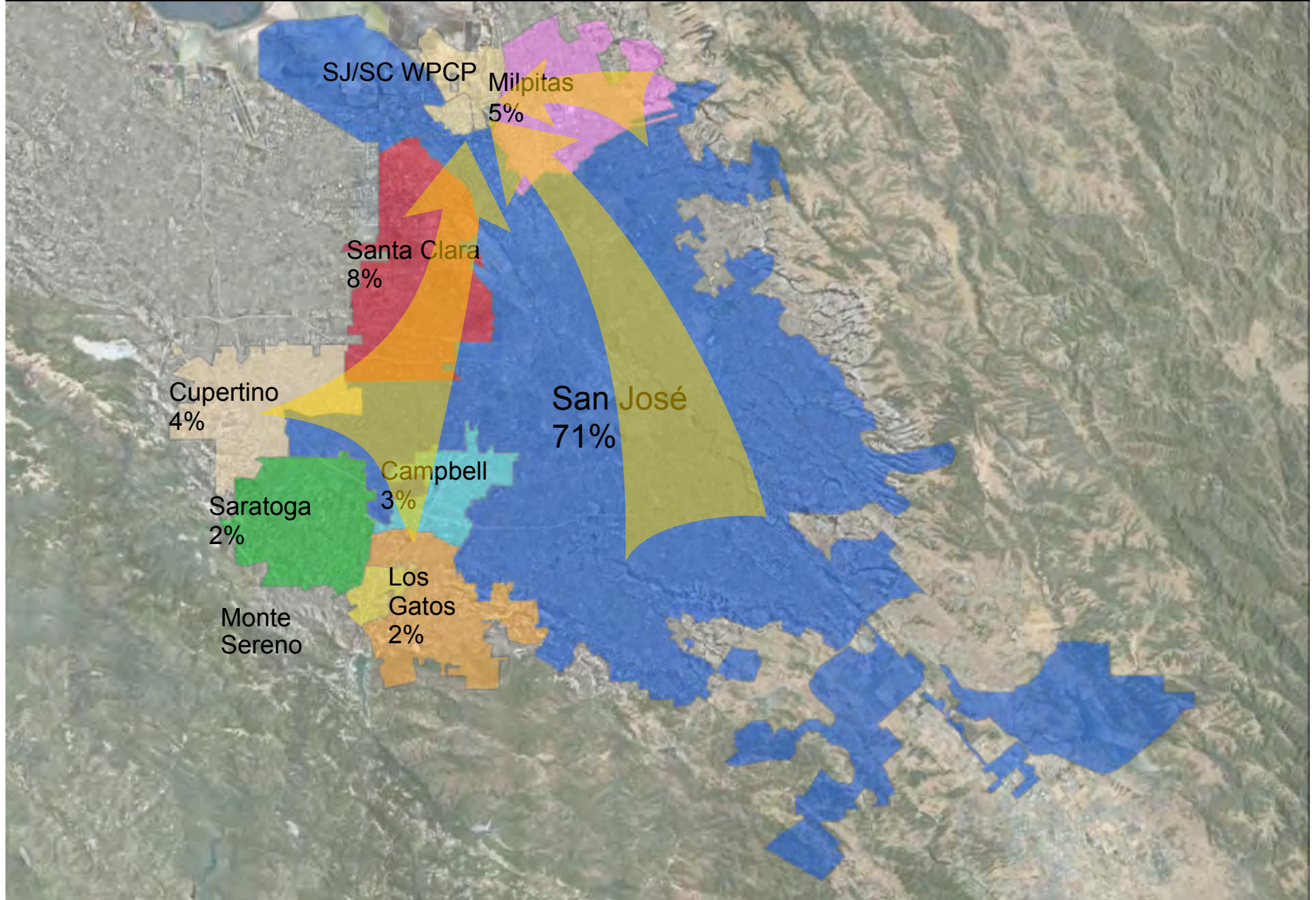


Detailed Project Map Thumbnail

PLANT LOCATION



OUR SEWERSHED



WASTEWATER OPERATIONS



OUTFALL TO THE BAY



RECYCLED WATER



DRIVERS



Aging Infrastructure



Population Growth



New & Stricter
Regulations

GOALS

operational

Result in a reliable, flexible Plant that can respond to changing conditions.



economical

Maximize economic benefits for customers through cost-effective options.



environmental

Improve habitat and minimize impacts to the local and global environment.



social

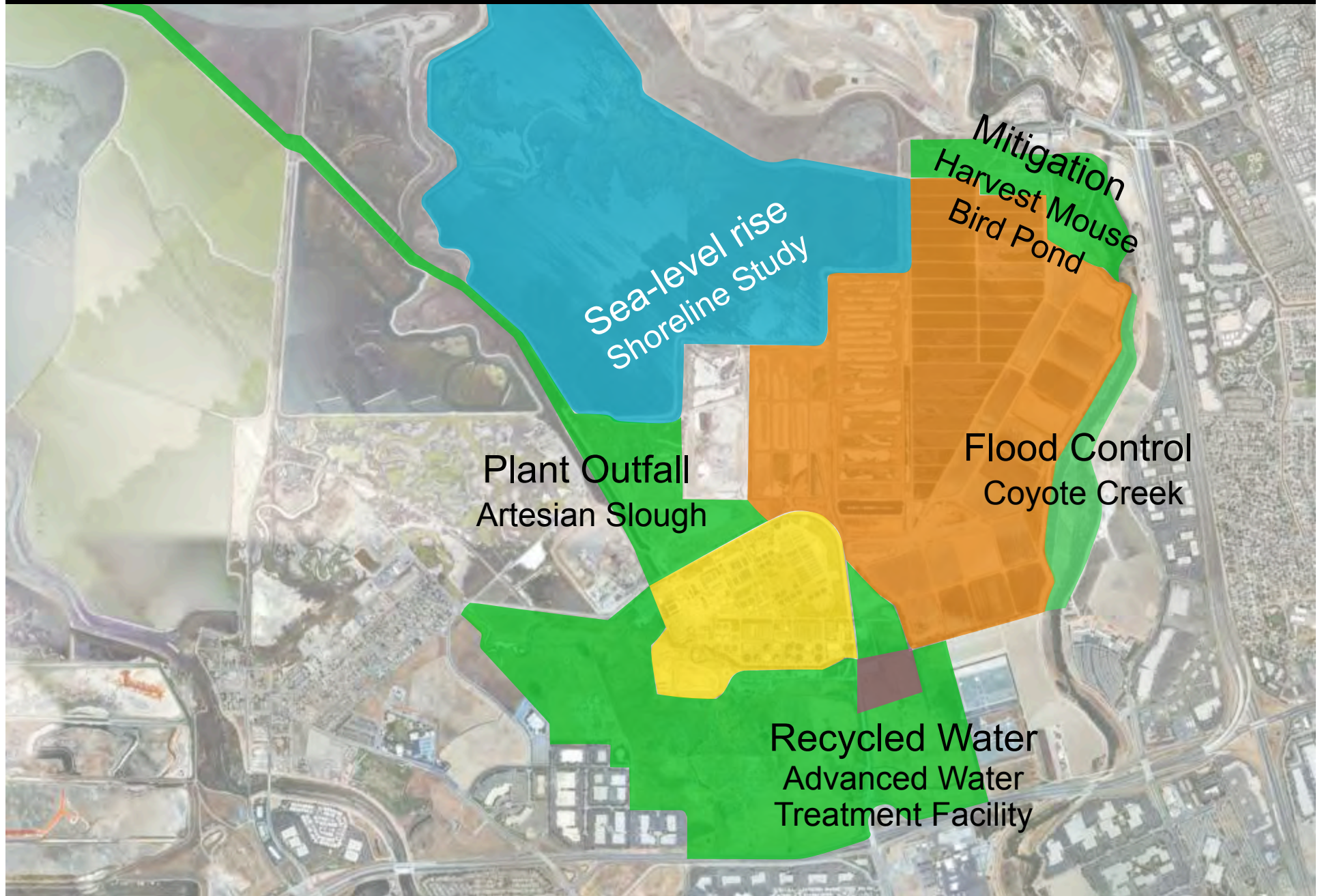
Maximize community benefits through improved aesthetics and recreational uses.



CURRENT LAND USES



COMMON AREAS OF INTEREST



FUTURE OPERATIONS AREA



CURRENT BIOSOLIDS TREATMENT AREA



FUTURE OPERATIONS AREA



FUTURE LAND USES - REDUCED BIOSOLIDS



SEA-LEVEL RISE



100 YEAR SEA LEVEL RISE
ESTIMATE

 100 YEAR SEA LEVEL RISE

EXISTING HABITATS

Water Fowl



Clapper Rail



Salt Marsh Harvest Mouse



Burrowing Owl



Congdon's Tarplant



AGENCY COORDINATION

FEDERAL



STATE



LOCAL



LOCAL AND REGIONAL PLANNING



RENEWABLE ENERGY FIELD



RETAIL DEVELOPMENT



LIGHT INDUSTRIAL



OFFICE / R & D



INSTITUTE



MARSH / MUD FLAT



WETLANDS



RIPARIAN



LAKES EFFLUENT POND



UPLANDS



PARKS



TRAILS



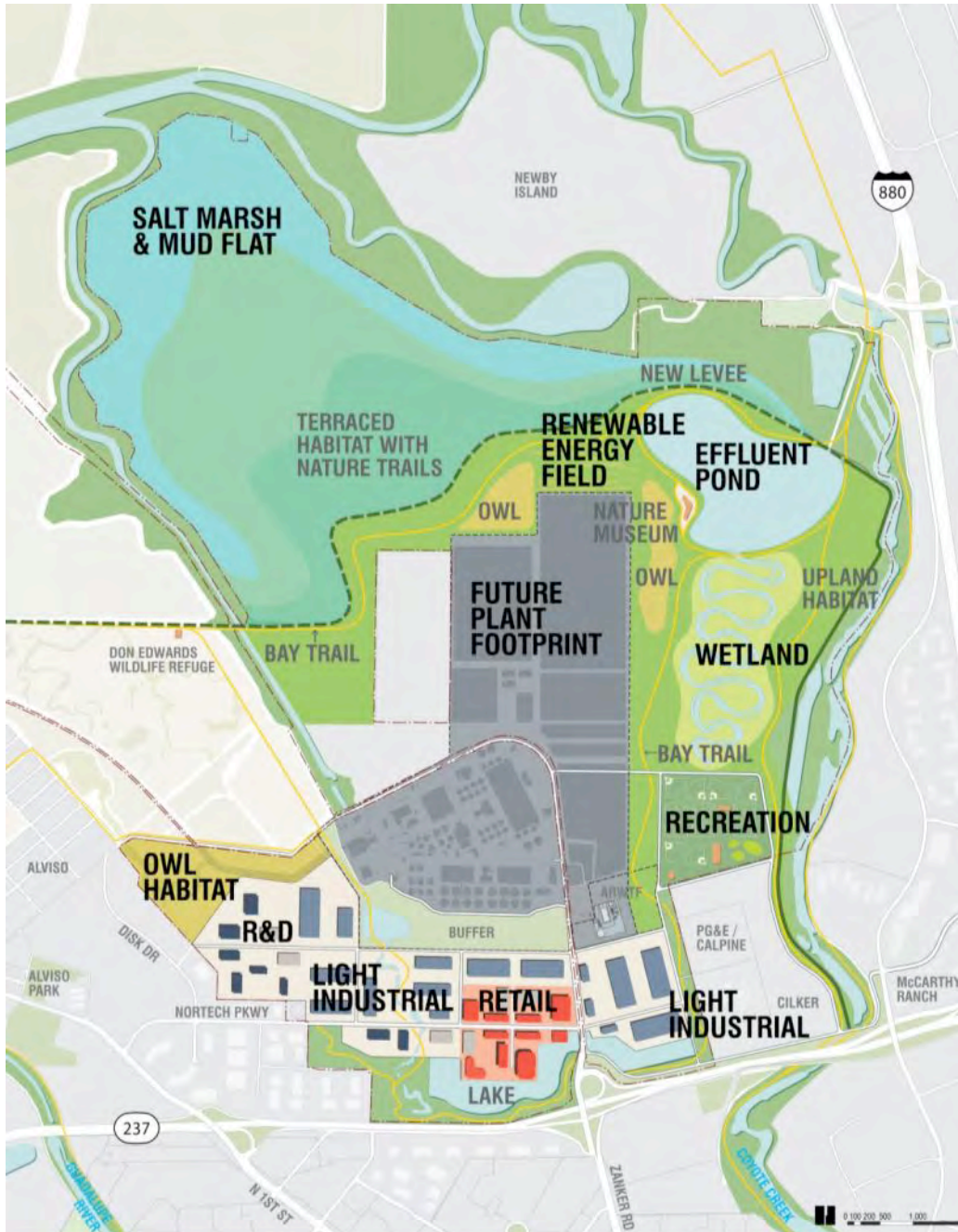
EDUCATION CENTER



ECONOMIC BENEFITS

- Jobs
- Revenue
- Regional economic vitality

BACK TO THE BAY



Key Features:

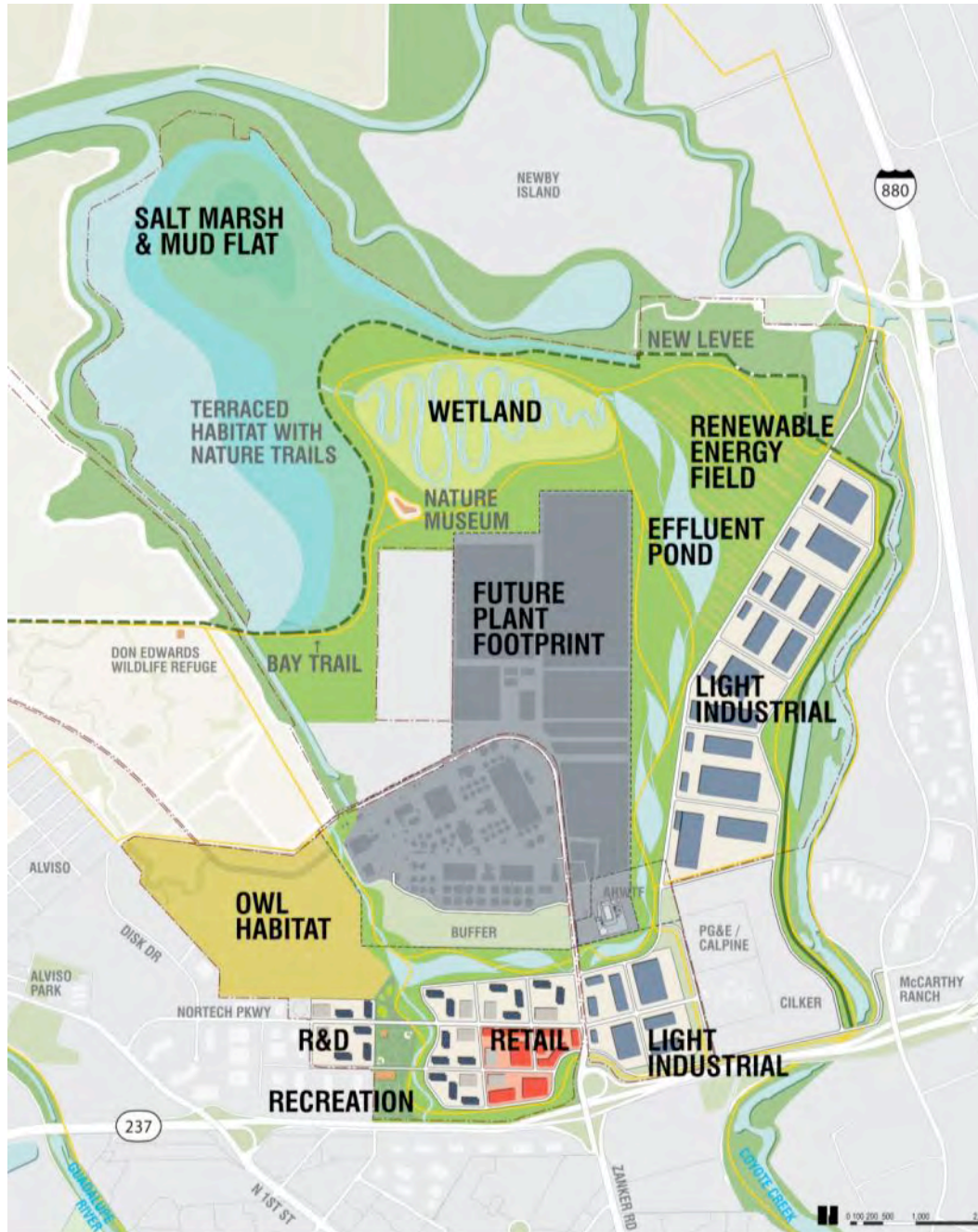
- Development is focused along Hwy 237
- Lake Feature between Hwy 237 and development
- Shoreline levee located close to Plant operations
- Owl habitat is located in three different locations

Economic Uses – 300 AC

Environmental Uses – 1420 AC

Social Uses – 70 AC

NECKLACE OF LAKES



Key Features:

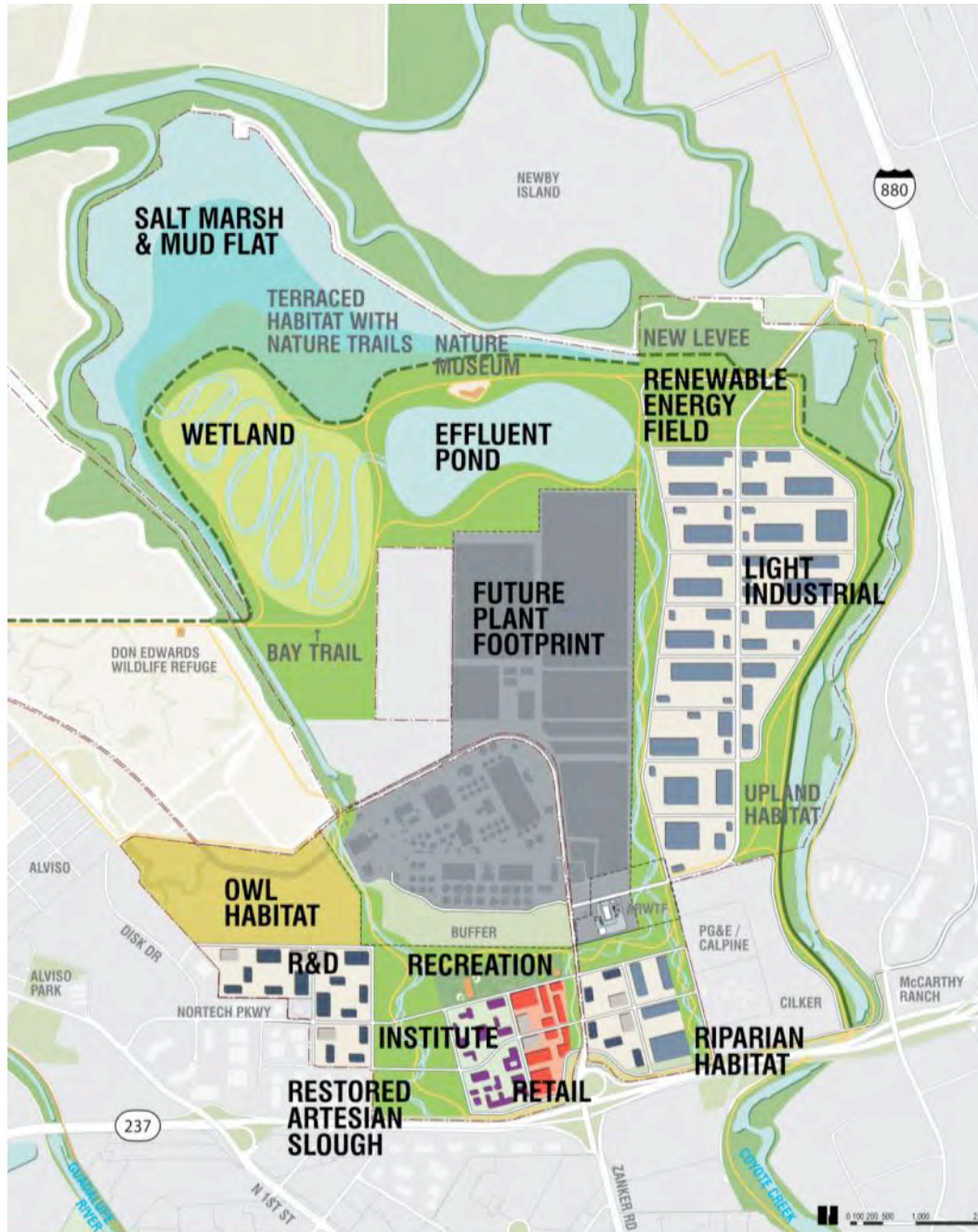
- Development is located along Hwy 237 and backlands
- Effluent Pond is broken up and located throughout the site
- Shoreline levee away from Plant operations
- Owl habitat is located in one location

Economic Uses – 400 AC

Environmental Uses – 1420 AC

Social Uses – 40 AC

RIPARIAN CORRIDOR



Key Features:

- Development is located along Hwy 237 and backlands
- Three riparian corridors (creeks) move throughout the site
- Shoreline levee furthest away from Plant operations
- Owl habitat is located in one location

Economic Uses – 500 AC

Environmental Uses – 1290 AC

Social Uses – 40 AC

PROJECT TIMELINE

