Variable Vulnerability

A comparative understanding of different socio - economic systems. San Francisco bay region









Macro Scale - San Francisco Bay area

The following map intends to show the different socio - economic characters that exist around the bay region. Considering a Sea level rise of 1.5 m a risk analysis in terms of valuable assets, Critical infrastructure, population density , Low income communities to understand the vulnerability of the system. This is categorized to 7 different typologies in which 2 cases namely Foster City and East Palo with different aspects of vulnerability is considered for study.

Legend





Section across water - East Palo Alto



Meso Scale - Vision for East Palo Alto

Revitalize the past agriculture identity of East Palo Alto

To integrate and revitalize the existing local economy (urban agriculture) into the socio-economic system that seeds a process for urban transformation in East Palo Alto.

Legend

	Public open space
+	Water storage infrastructure
	Vacant plots identified for infill development
	Urban agriculture land
	New infill development with water storage
(\bigcirc)	Urban nodes with shared facilities
0000	Riparian vegetation/ brackish marsh
	Fresh water/ brackish marsh
	Northern coastal Salt marsh
	Inundation due to 1.5 m of SLR

Section Legend



GW1	Unconfined aquifer
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- GW2 confined aquifer
- BWBrackish ground waterSWSalt water





Section across water - Foster City



Meso Scale - Vision for Foster City

To induce natural processes by introducing more informal land- water gradients. Revitalizing the ecological sensitivity of existing socio- economic character by inducing more natural processes that steers the process of urban developments in Foster City.

<u>Legend</u>

	Public open space
	Surface water for detention
_	Storage corridor
	Conveyence corridor
+	Location of water storage
	New developments
	Exisiting coastal salt marsh
	New horizontal Levee profile
	Riparian vegetation
	New growth of salt marsh
	Wooden break waters
	Diked marsh
\bigcirc	Zones of increased Bio - diversity
	Inundation due to 1.5m of SLR

Section Legend



- **GW1** Unconfined aquifer
- GW2 confined aquifer
- BWBrackish ground waterSWSalt water

Micro scale - New spatial quality East Palo Alto



New developments to host several neighborhood com-mercials and housing

Open space next to Levee enhanced with new public space and water storage

Access to marsh edge

Micro scale - New spatial quality Foster City



New water storage in Cul- de sacs

New developments to host several new activities

Recreation along Levee also providing protection