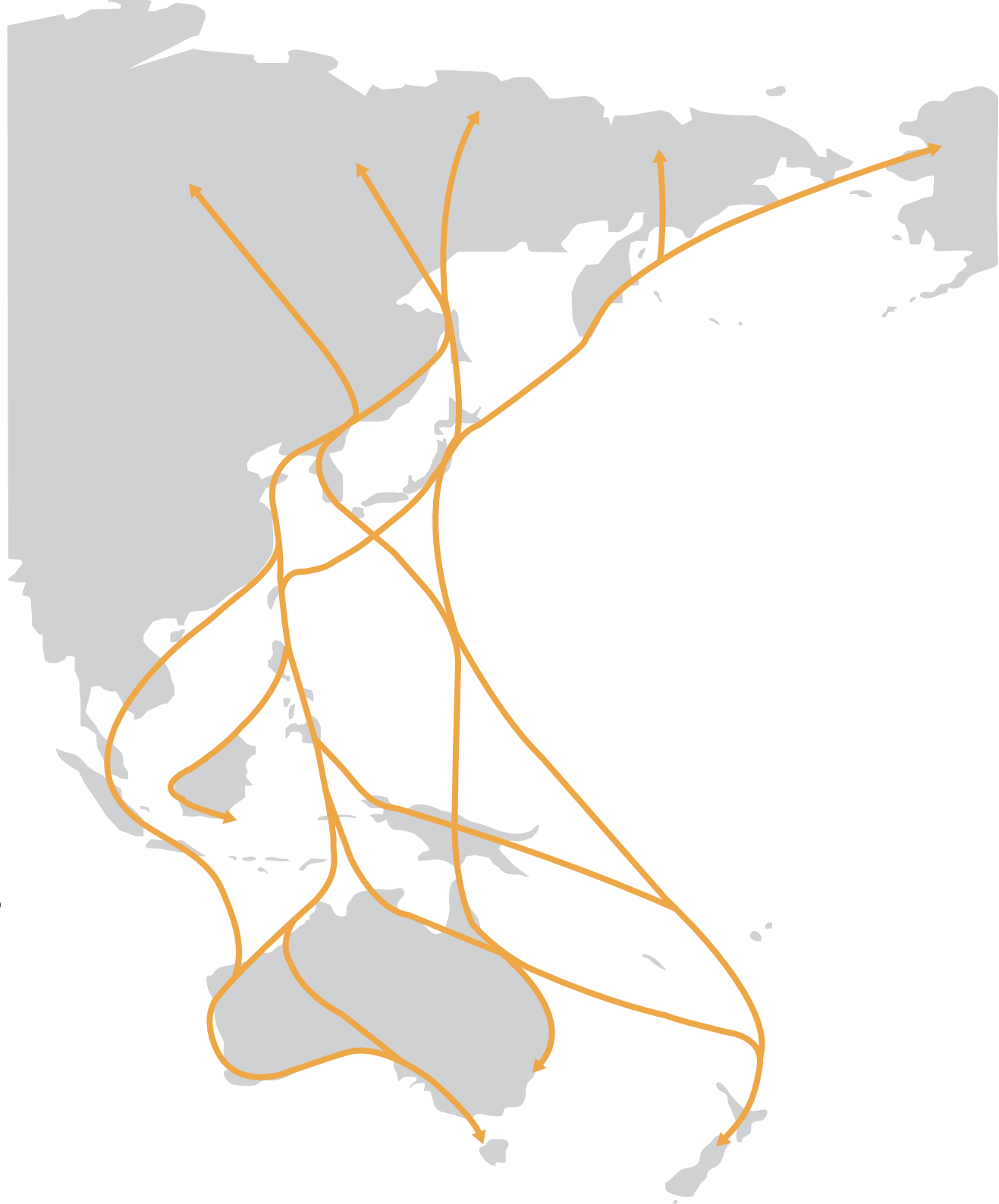




Budai Community Development Plan:
An Ecotourism Model

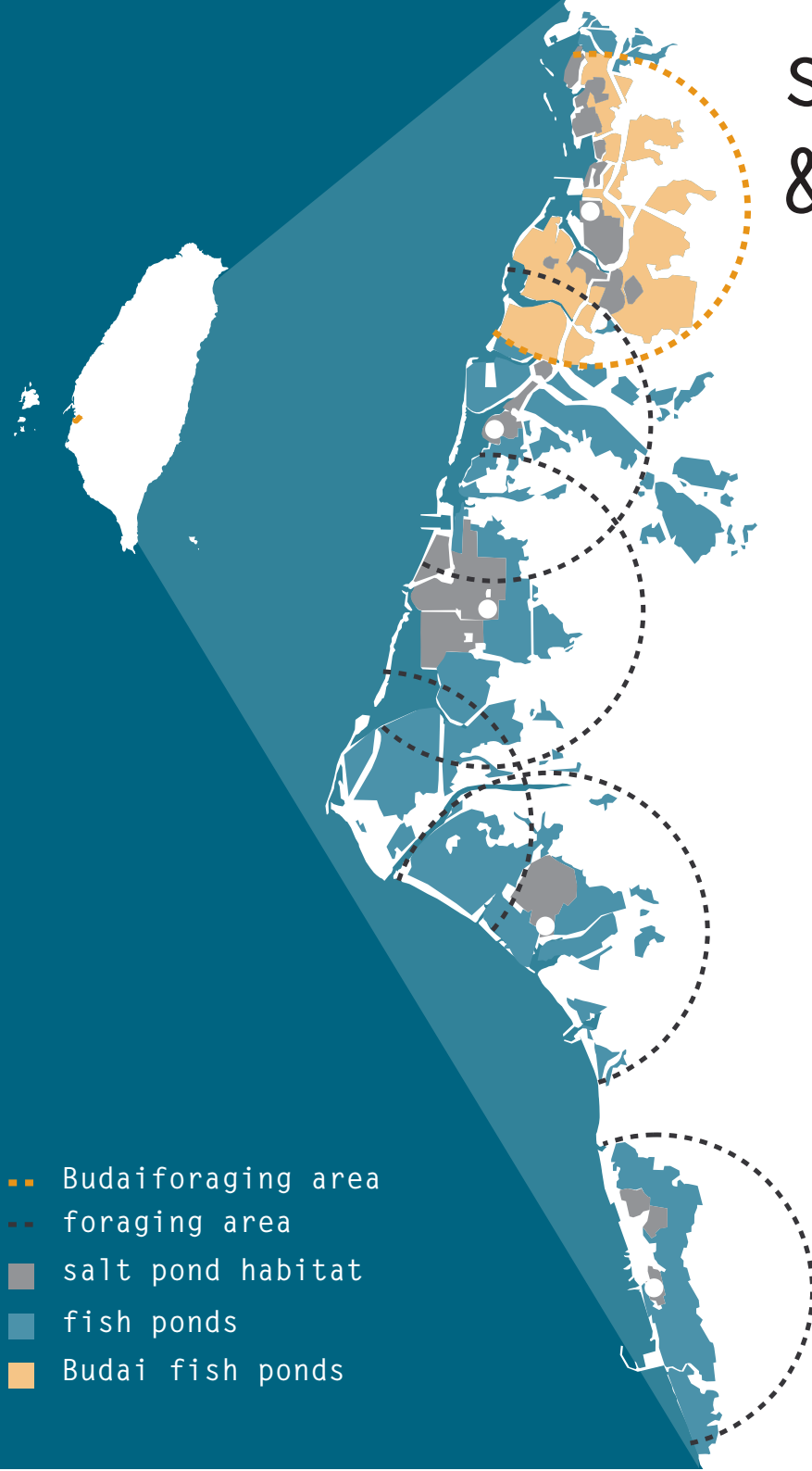
East Asian flyways



steppingstone habitat & foraging range

Budai site foraging areas

fish ponds in Budai area:	39 km ²
fish ponds in Yijhu area:	15 km ²
flood detention:	-11 km ²
total available:	43 km ²
required for 100 BFS:	20 km ²

- 
- Budai foraging area
 - foraging area
 - salt pond habitat
 - fish ponds
 - Budai fish ponds

9 km foraging range
from roosting site in
context of adjacent
“steppingstone” sites

Budai and XinCen Village



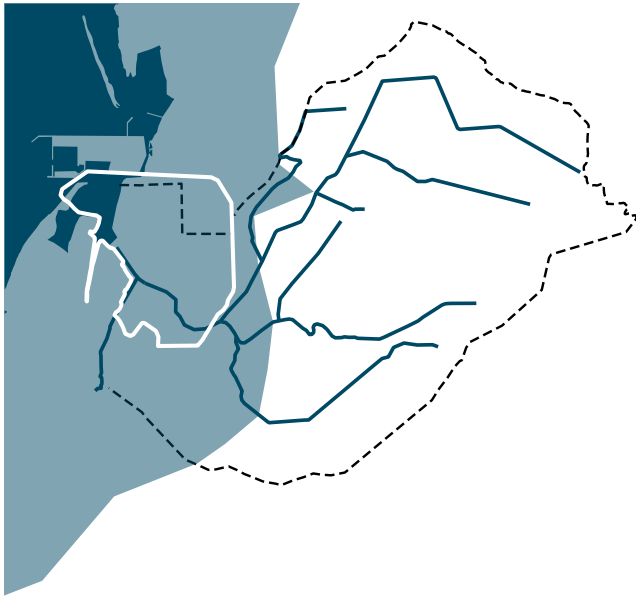




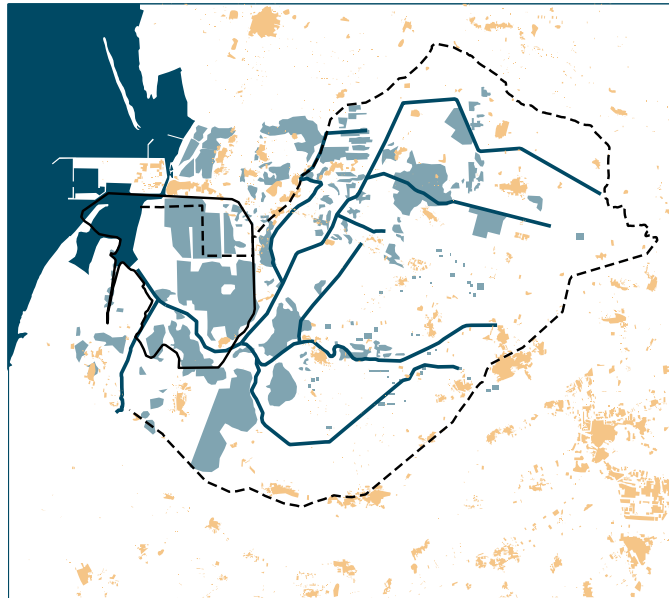
Budai area 1920s



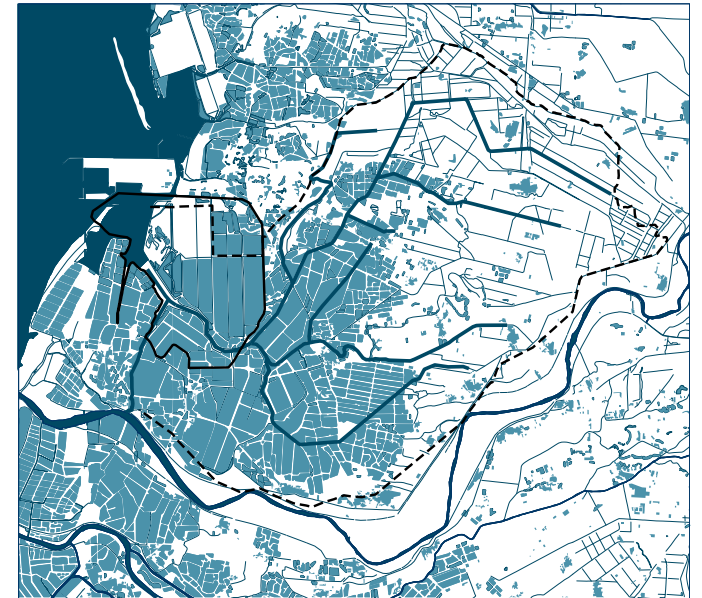
Budai area today



sea level rise



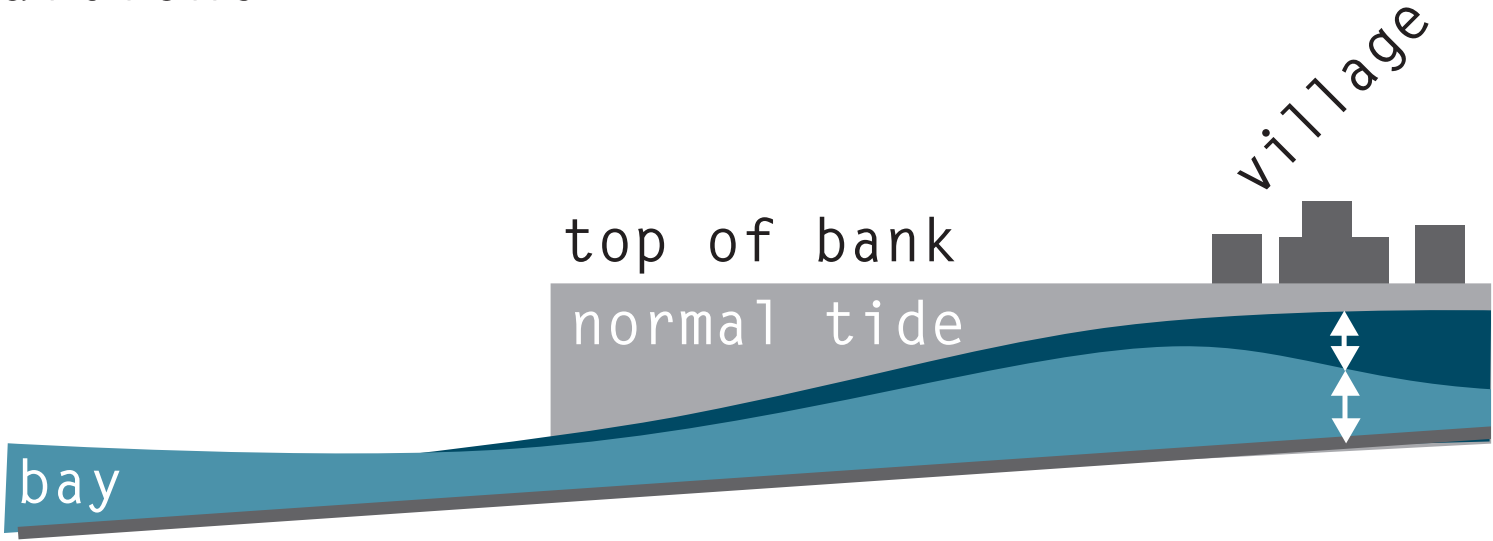
10-yr flood



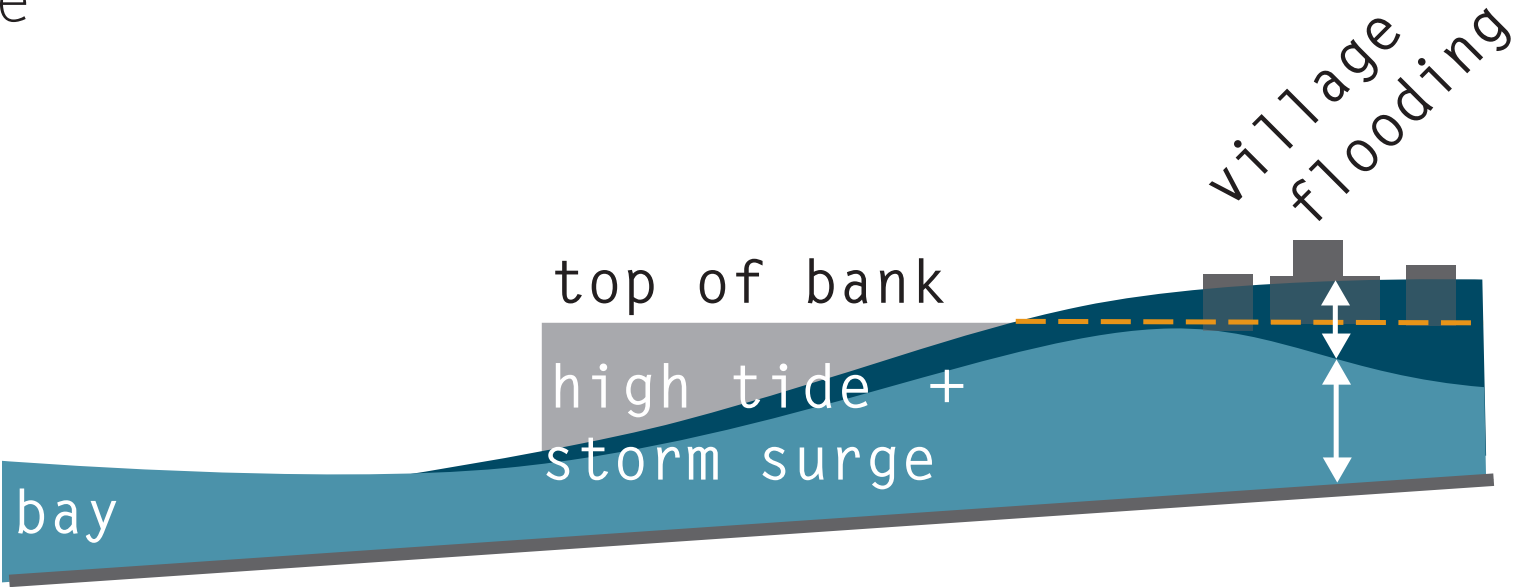
water

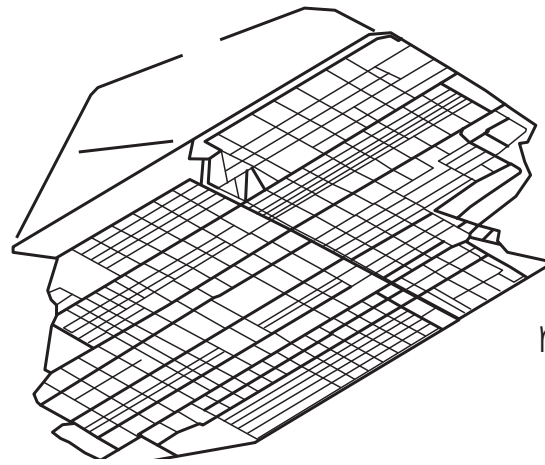
flood risk & sea level rise

normal conditions



flood stage





rational grid



dendritic flow



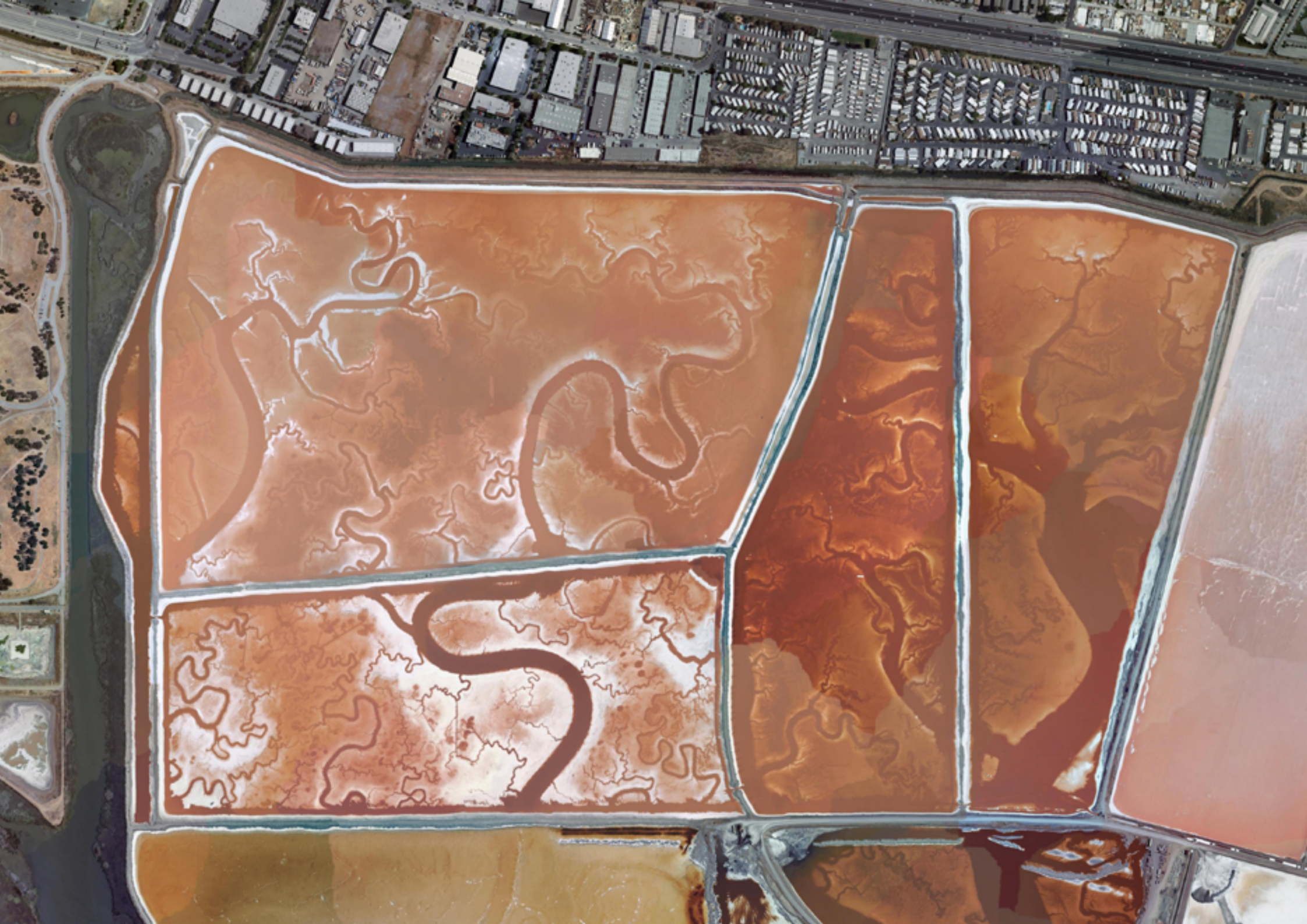
framework



precedent:

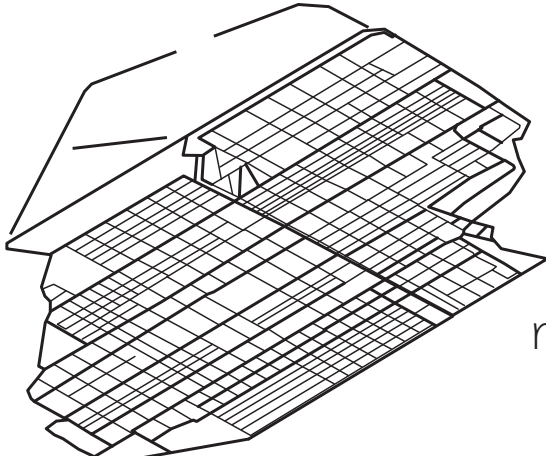
abandoned salt ponds
in south San Francisco Bay







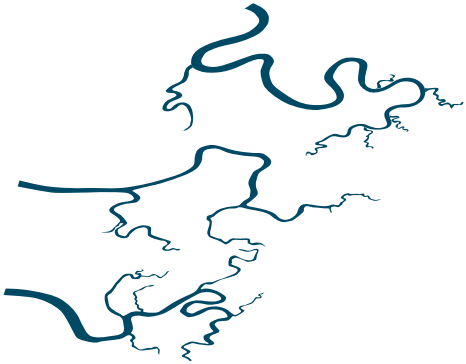




rational grid



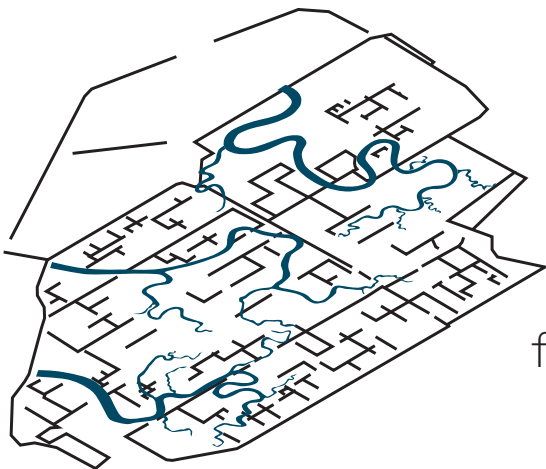
mean high tide



dendritic flow



mean tide



framework



mean low tide

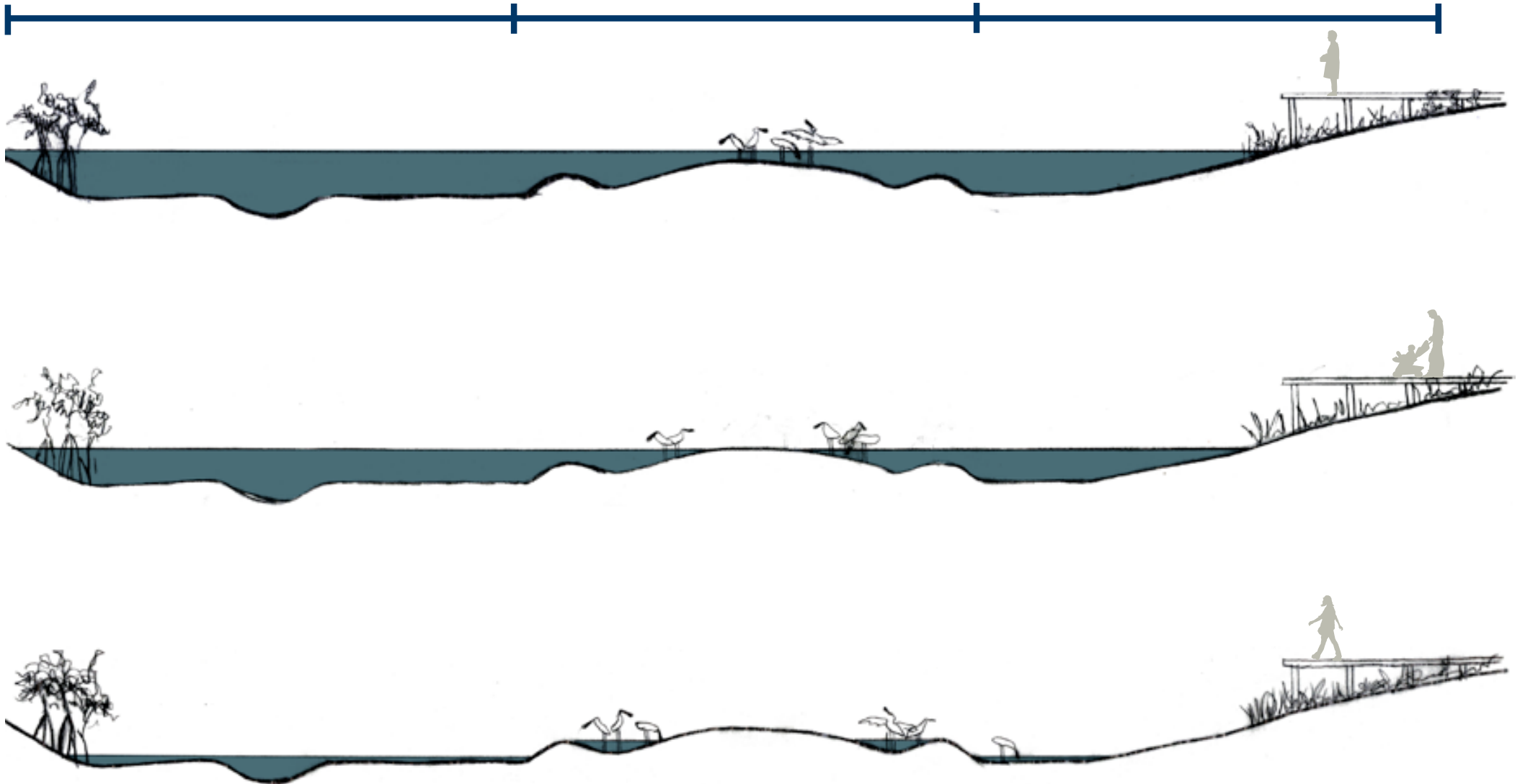


site plan

500m buffer
open water

500-1000m shallow water
spoonbill habitat

500m buffer
open water

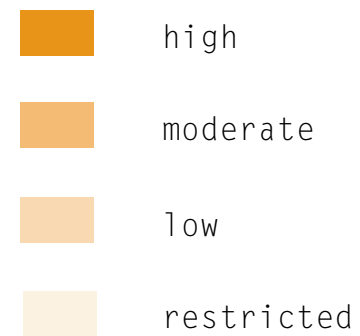


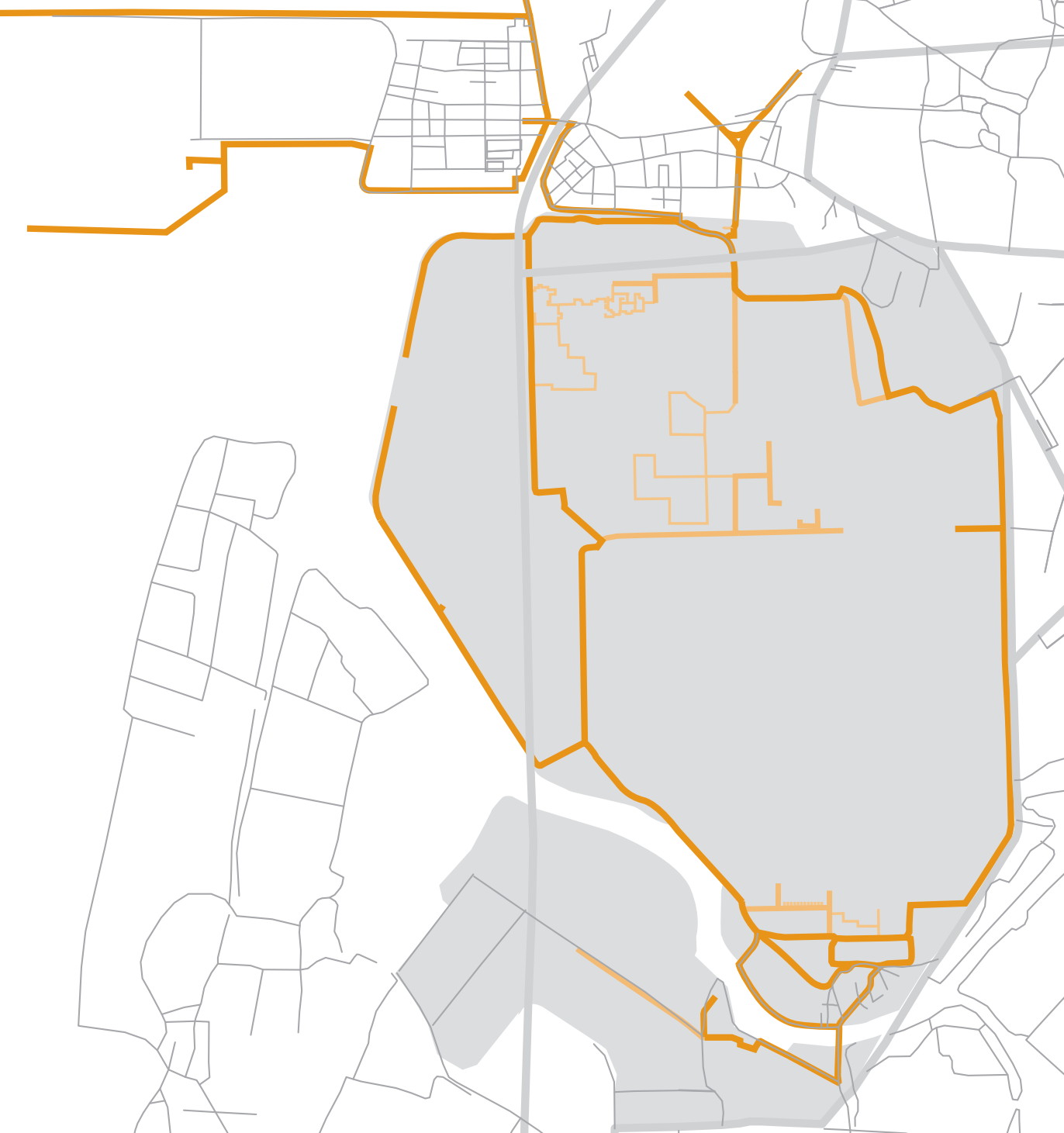
water depth for spoonbills



- development
- tidal mudflat
- other habitat
- mangroves and trees
- salt marsh
- ground nesting

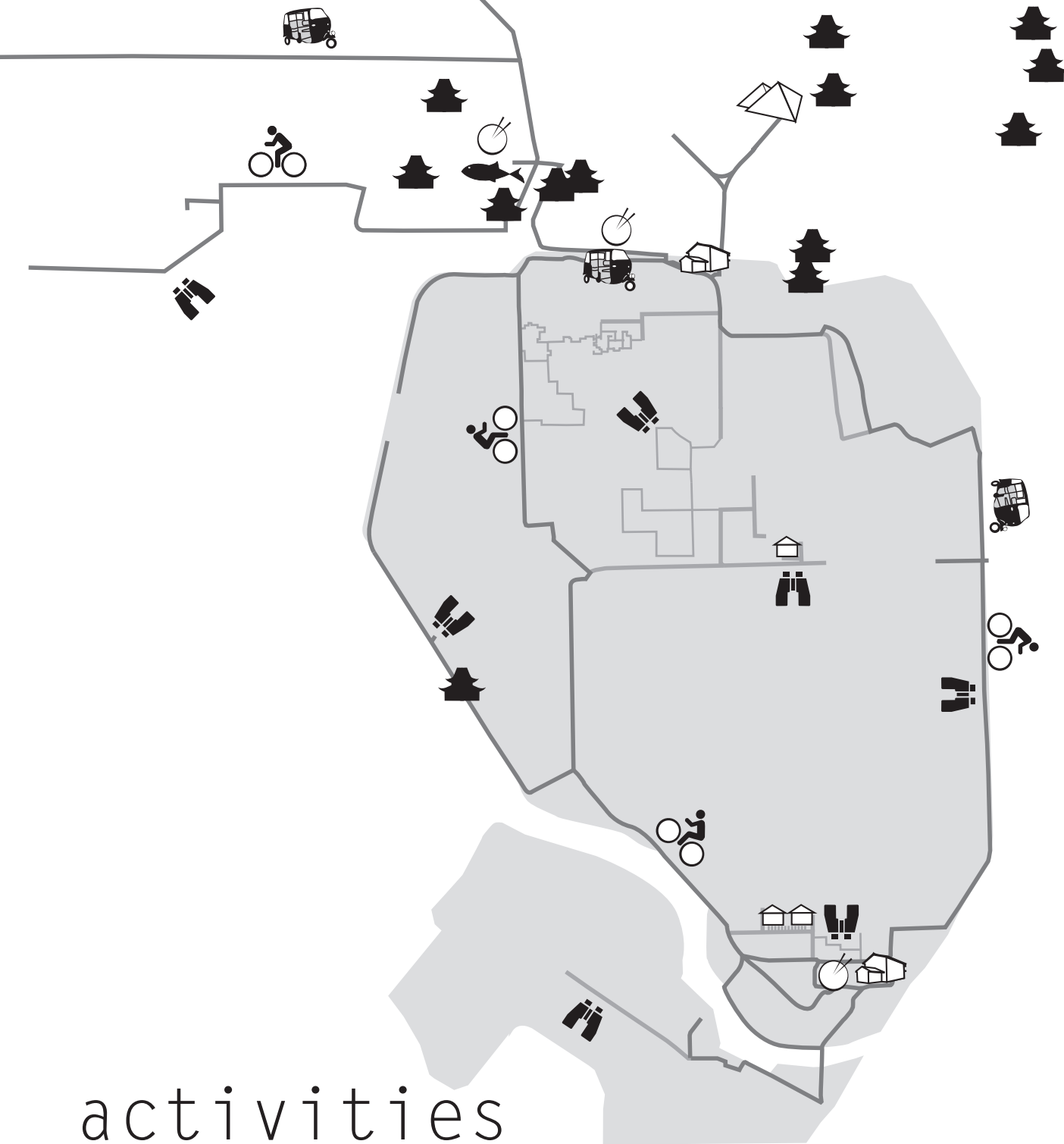
habitats





- main paths
- walking paths
- boardwalk
- highways
- roads

circulation



-  visitor center
-  bird watching
-  bicycling
-  tuk-tuk
-  restaurants
-  stilt cabins
-  Budai salt mountai
-  fish market
-  temples

activities



bridge from Budai



stilt cabins



hwy 61 & mangroves





mangrove forest



bird blind



stilt cabins



visitor's center

Taiwan and Korea:
Connected Flyways

