

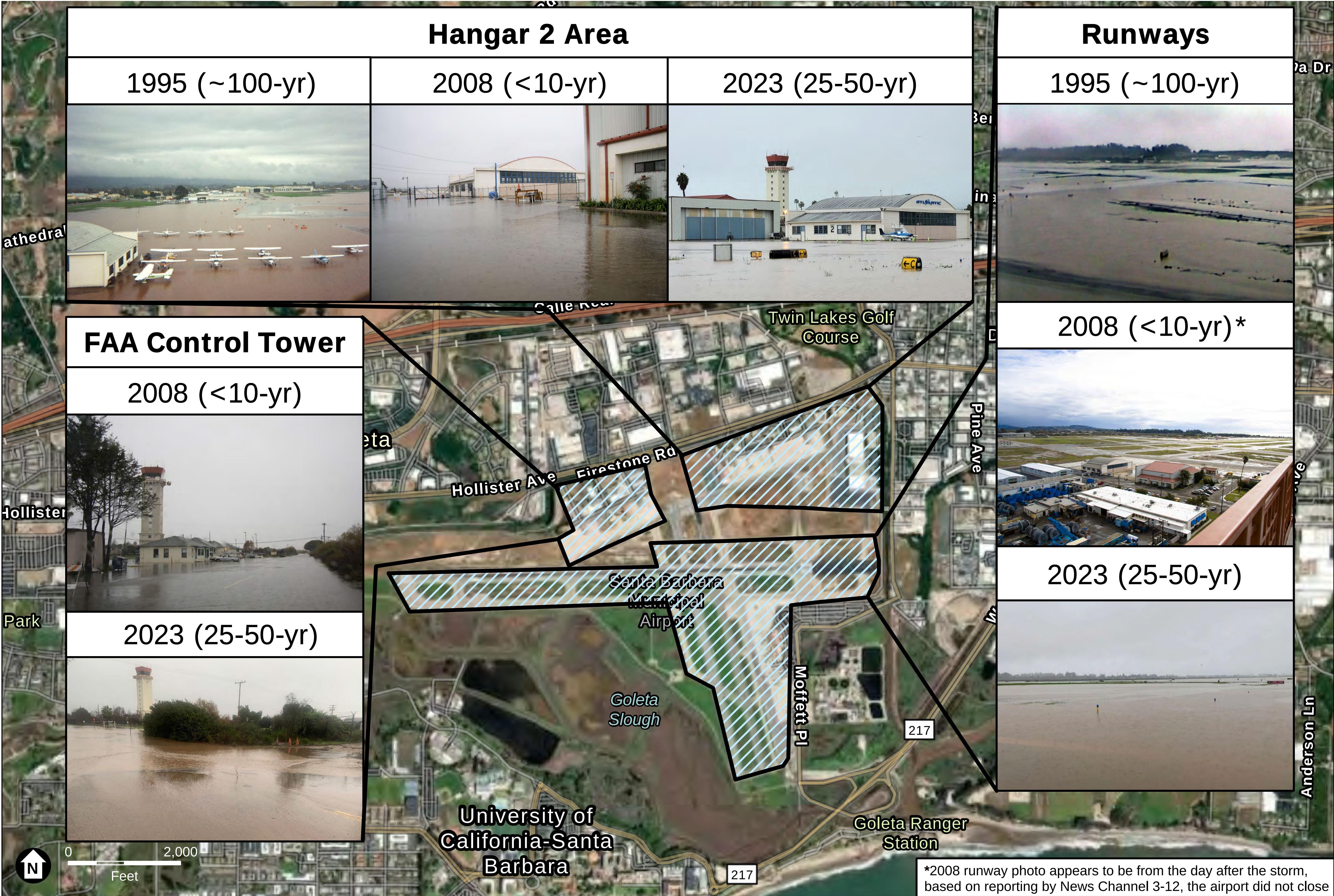
Santa Barbara Airport (SBA)



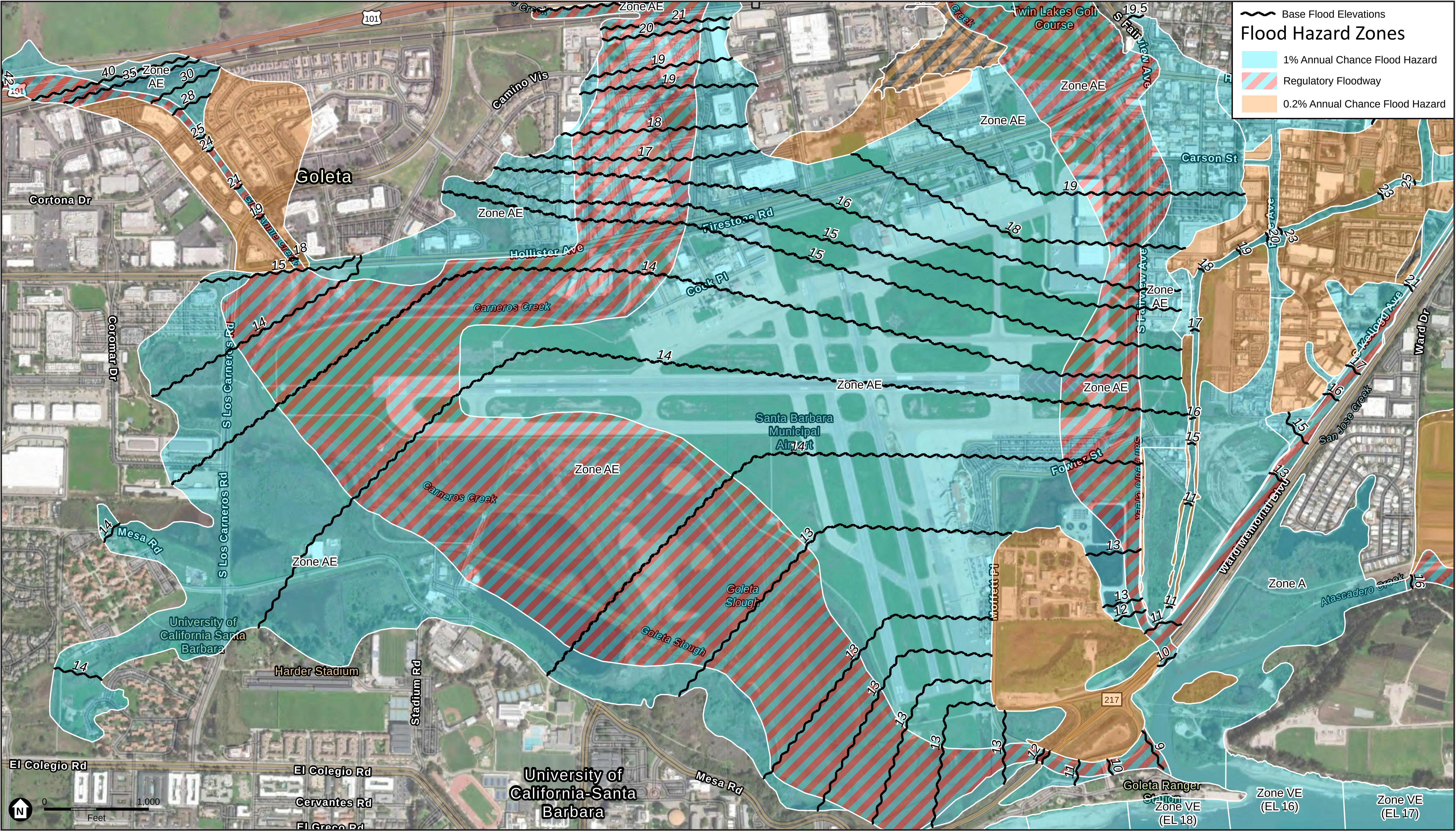
Goleta Slough Mouth



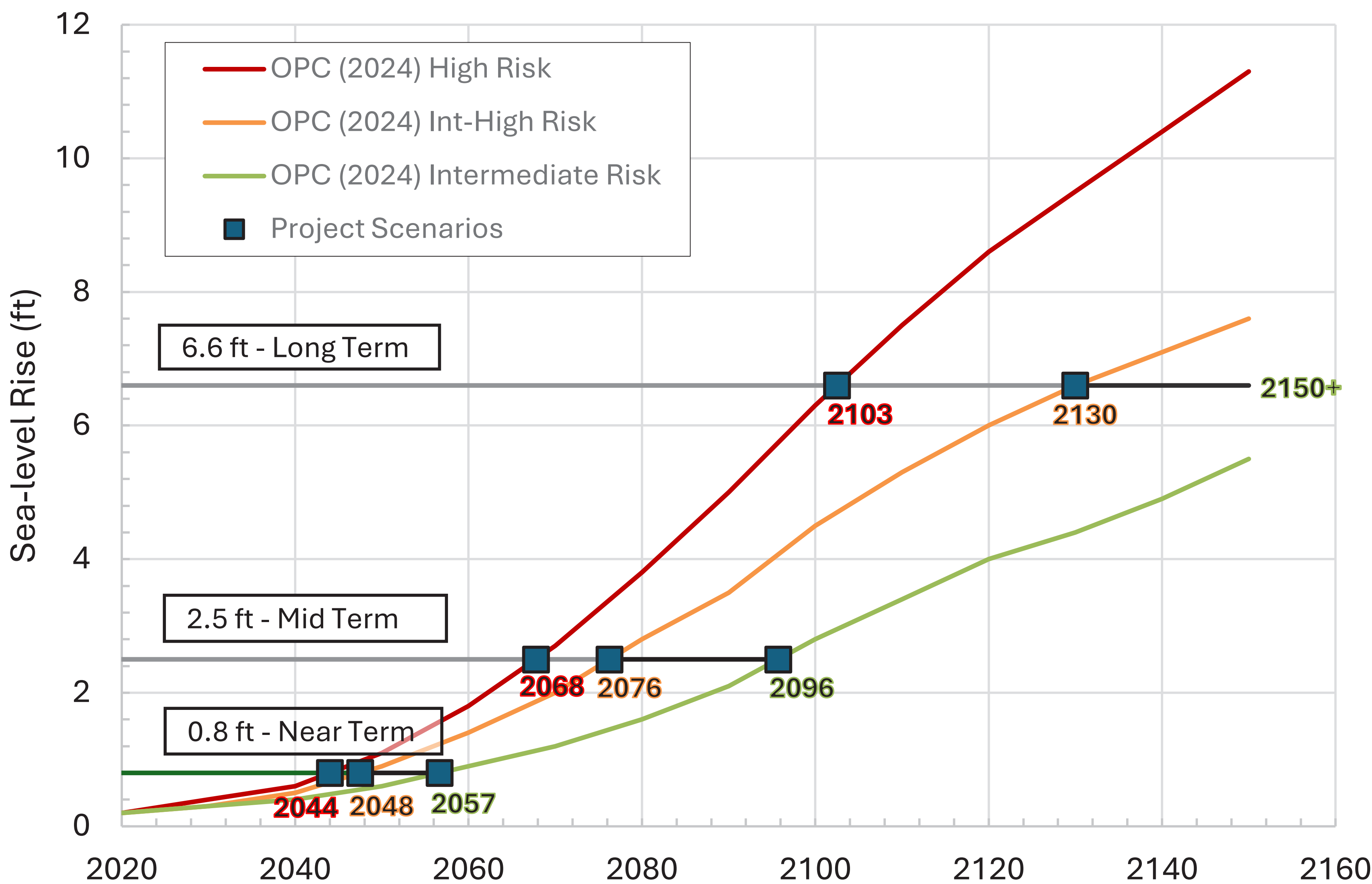
SBA Flooding



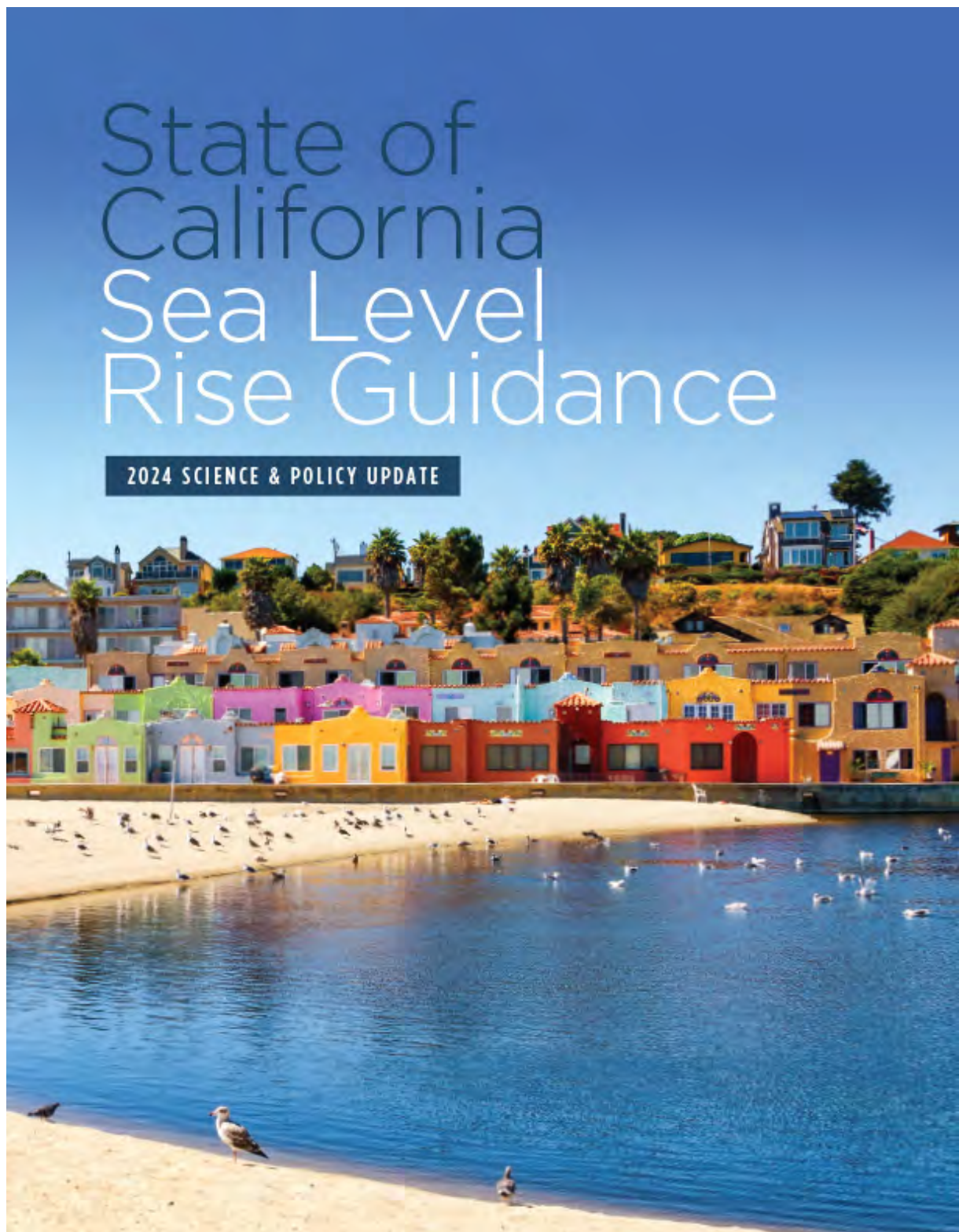
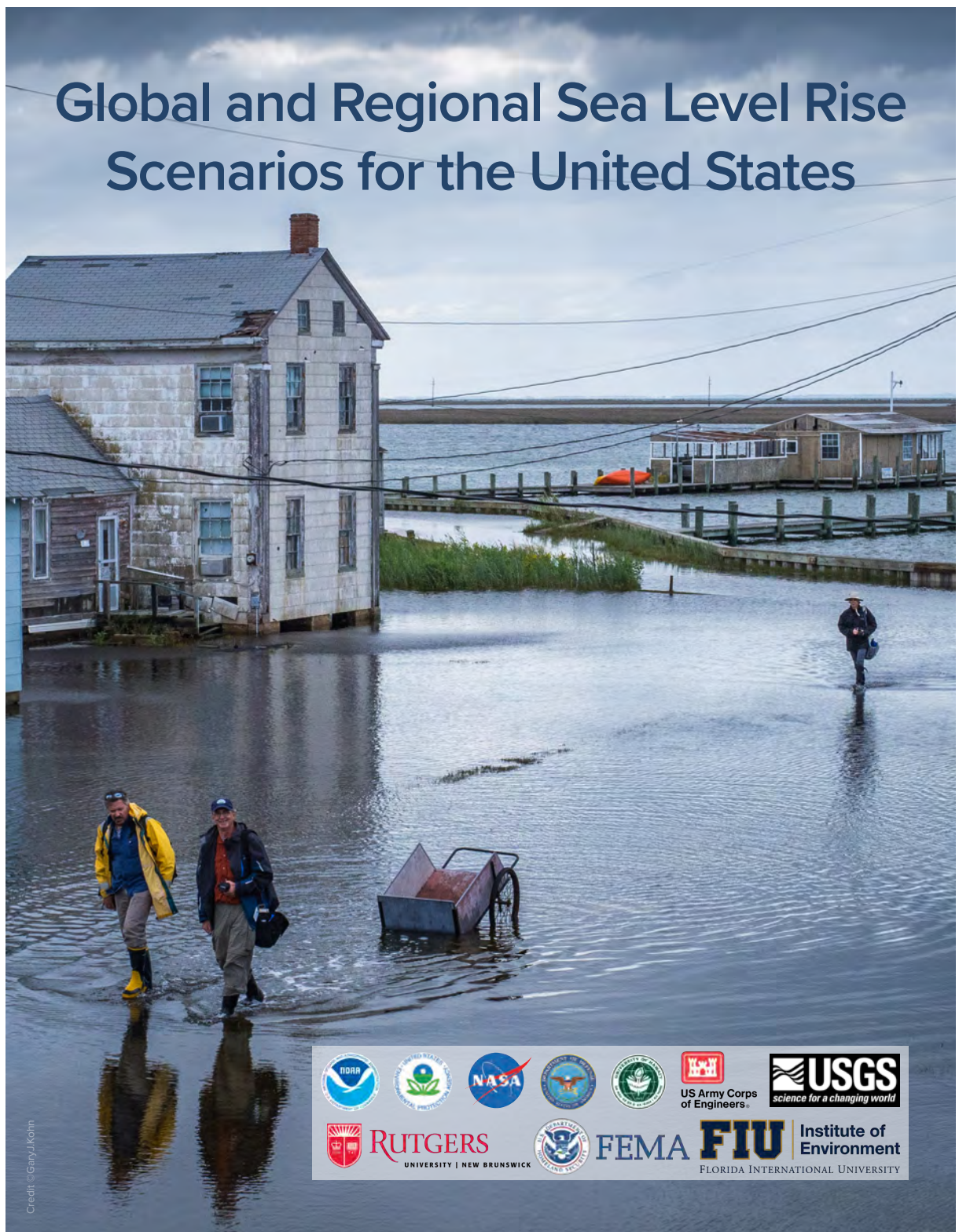
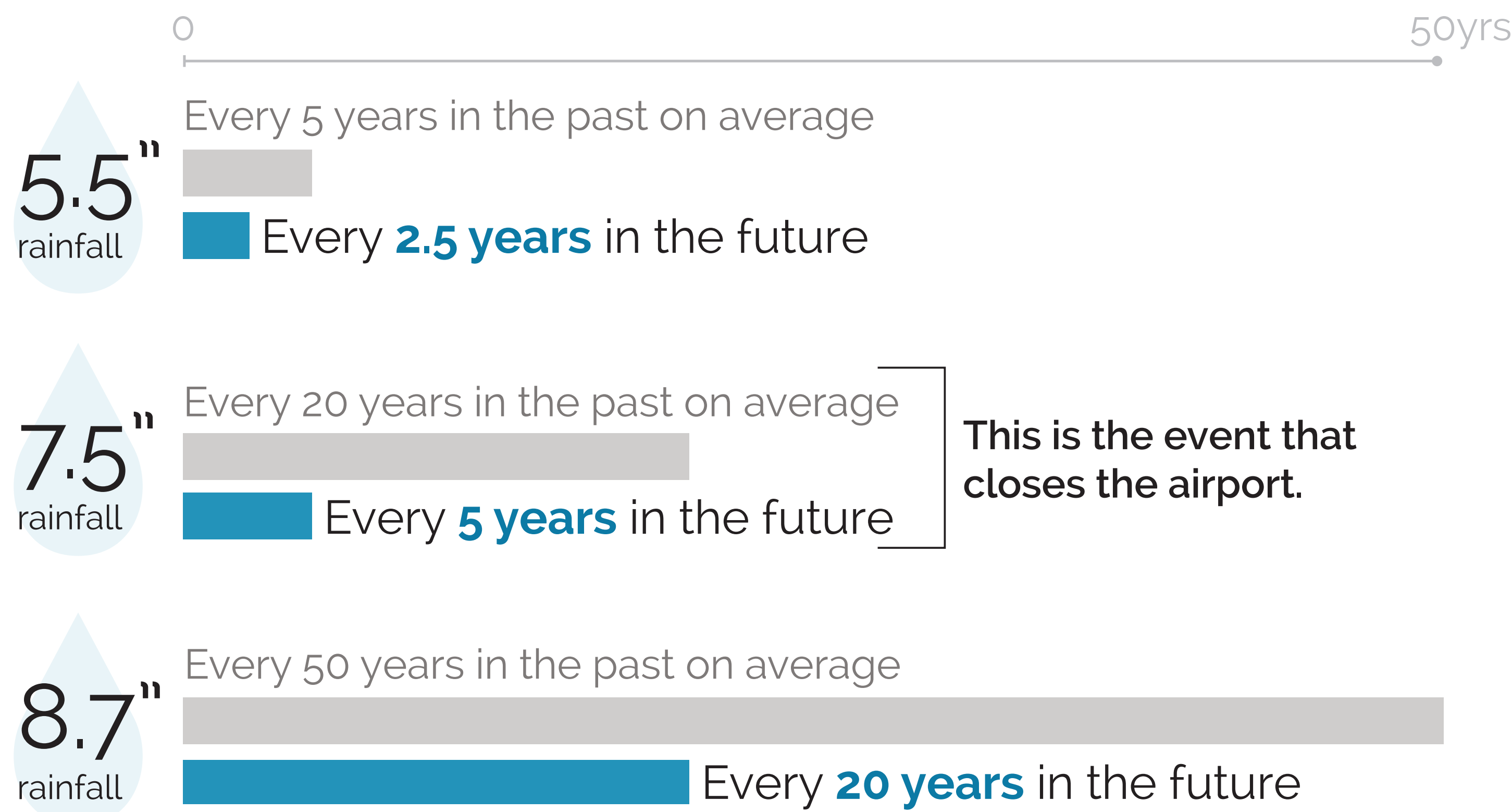
FEMA Flood Map



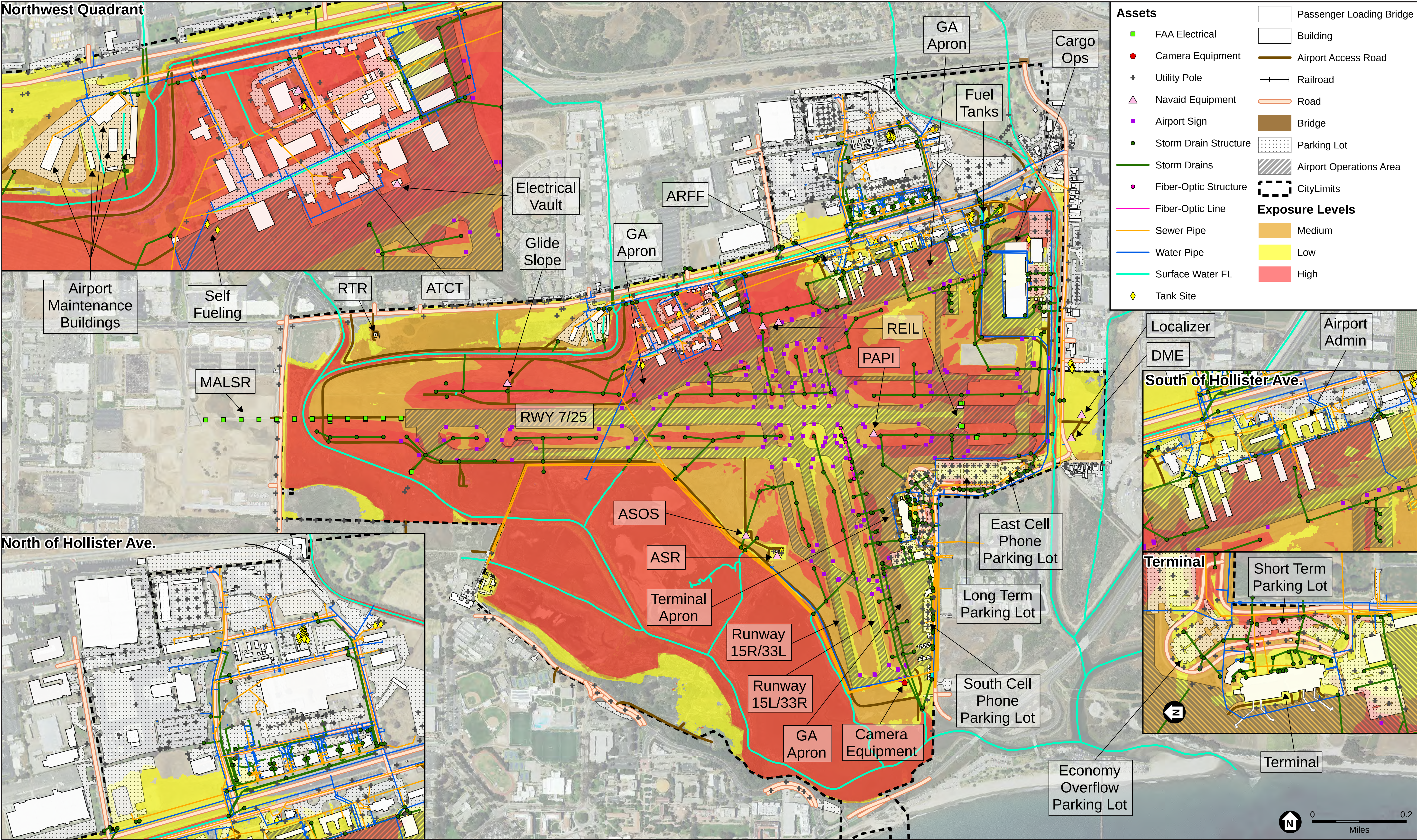
Sea Level Rise Projections



Potential Increase in Rainfall



SBA Flood Vulnerability



Flood Threshold Probability Per Year

0 ft SLR
Past Precipitation
7% Chance
Airport Closure

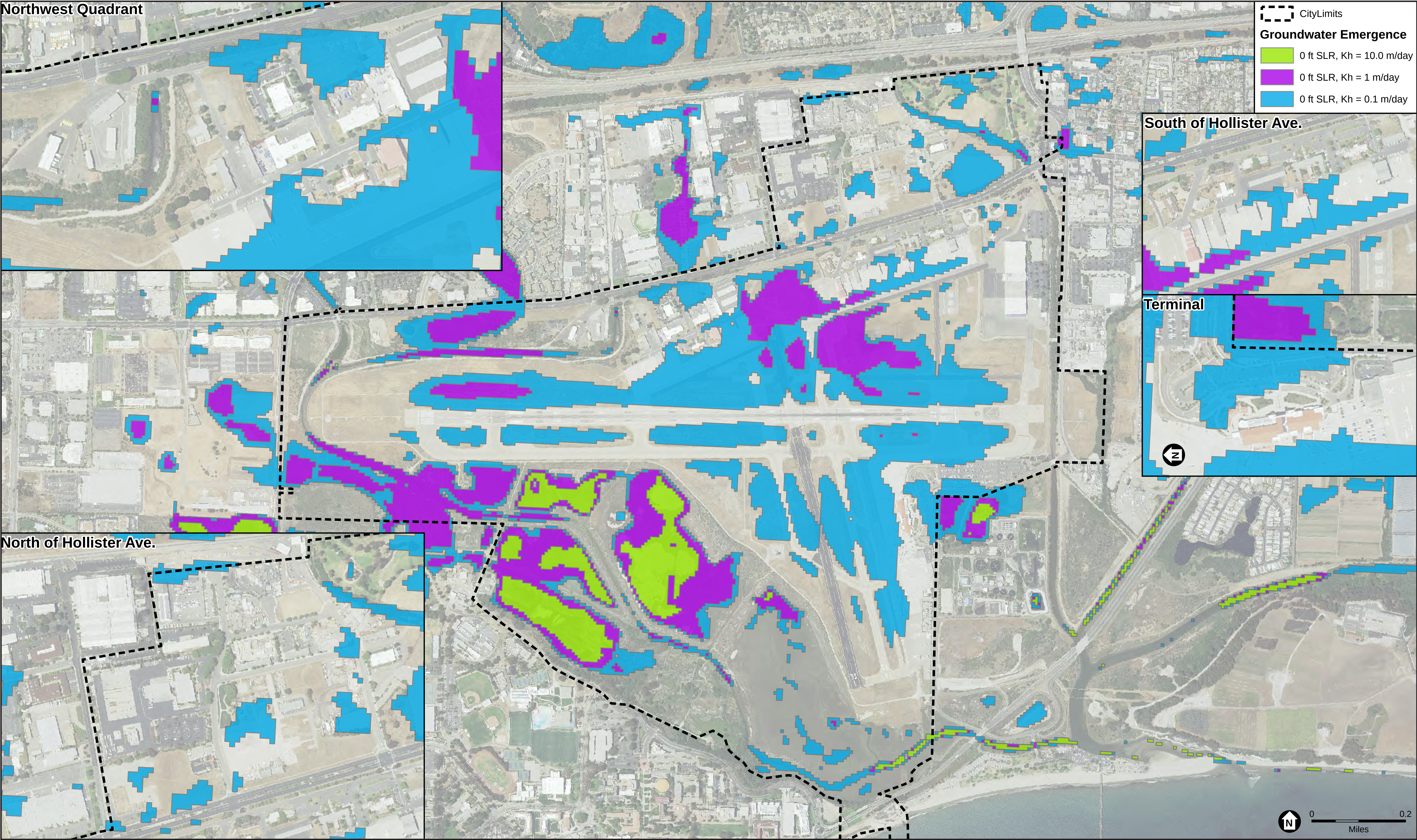
0 ft SLR
Future Precipitation
21% Chance
Airport Closure

0.8 ft SLR
(about 2048)
21% Chance
Airport Closure

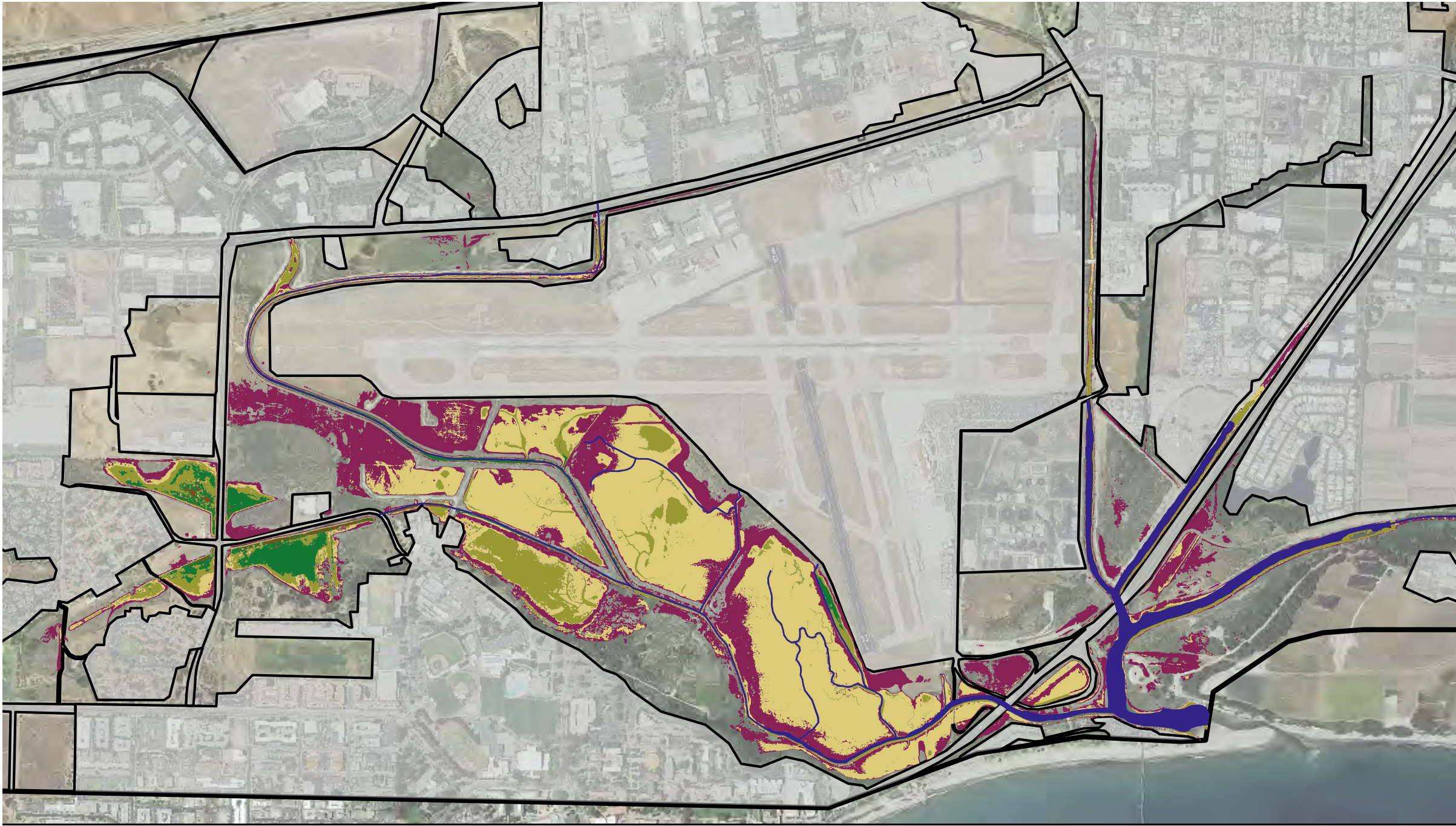
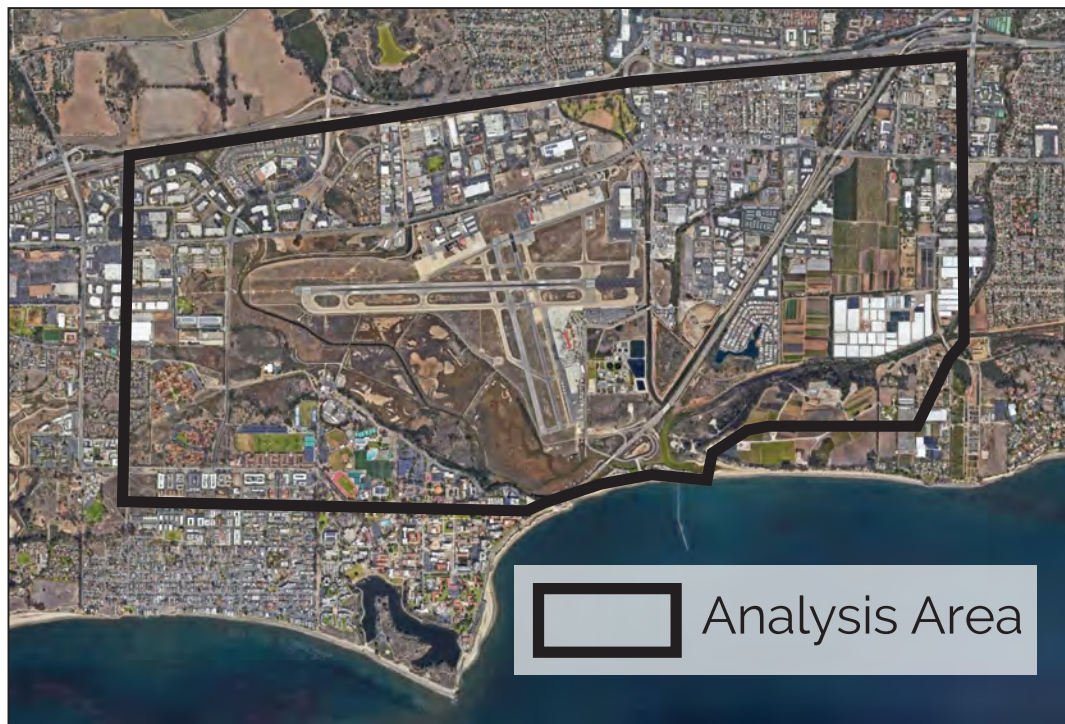
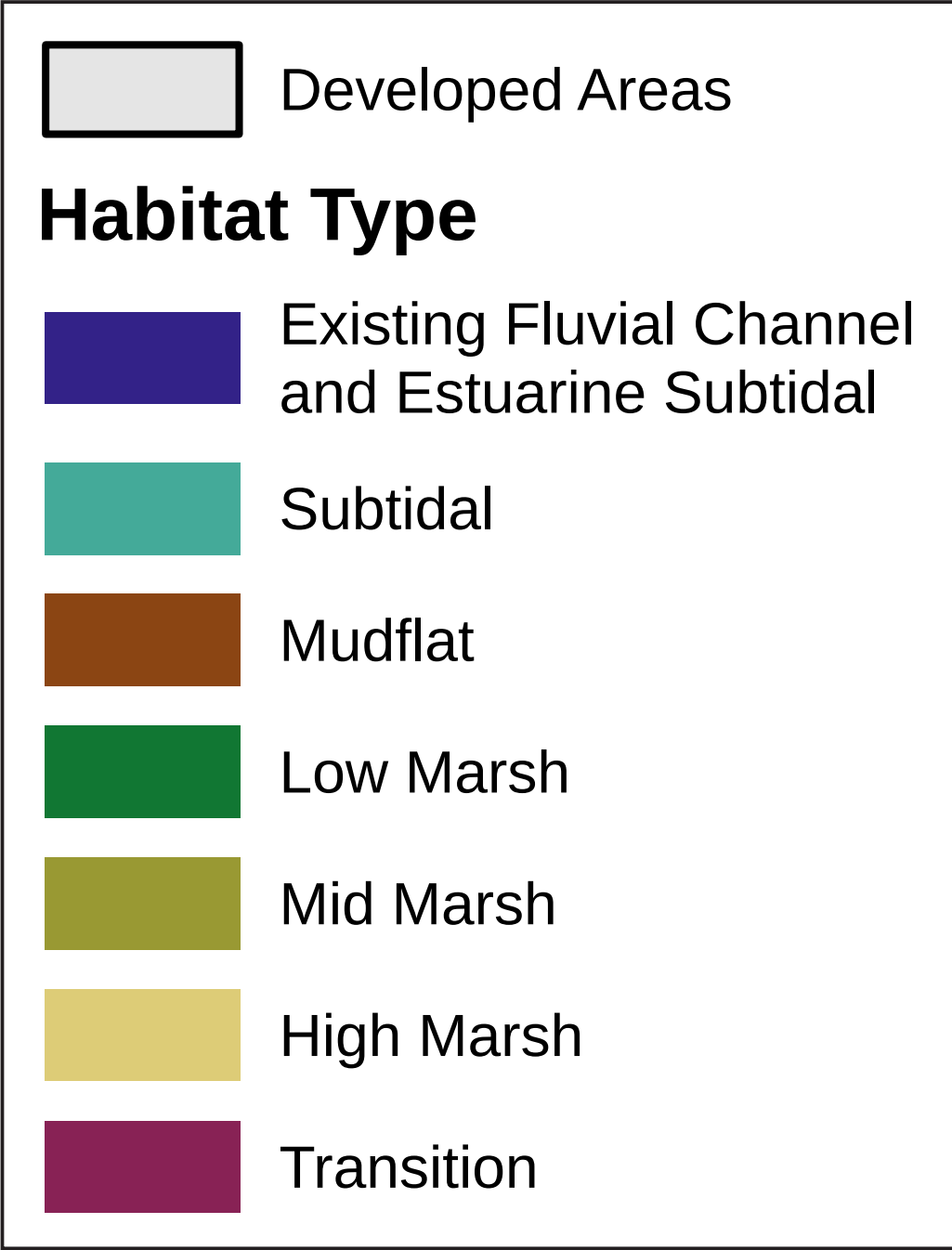
2.5 ft SLR
(about 2076)
61% Chance
Airport Closure

6.6 ft SLR
(about 2130)
100% Chance
Airport Closure

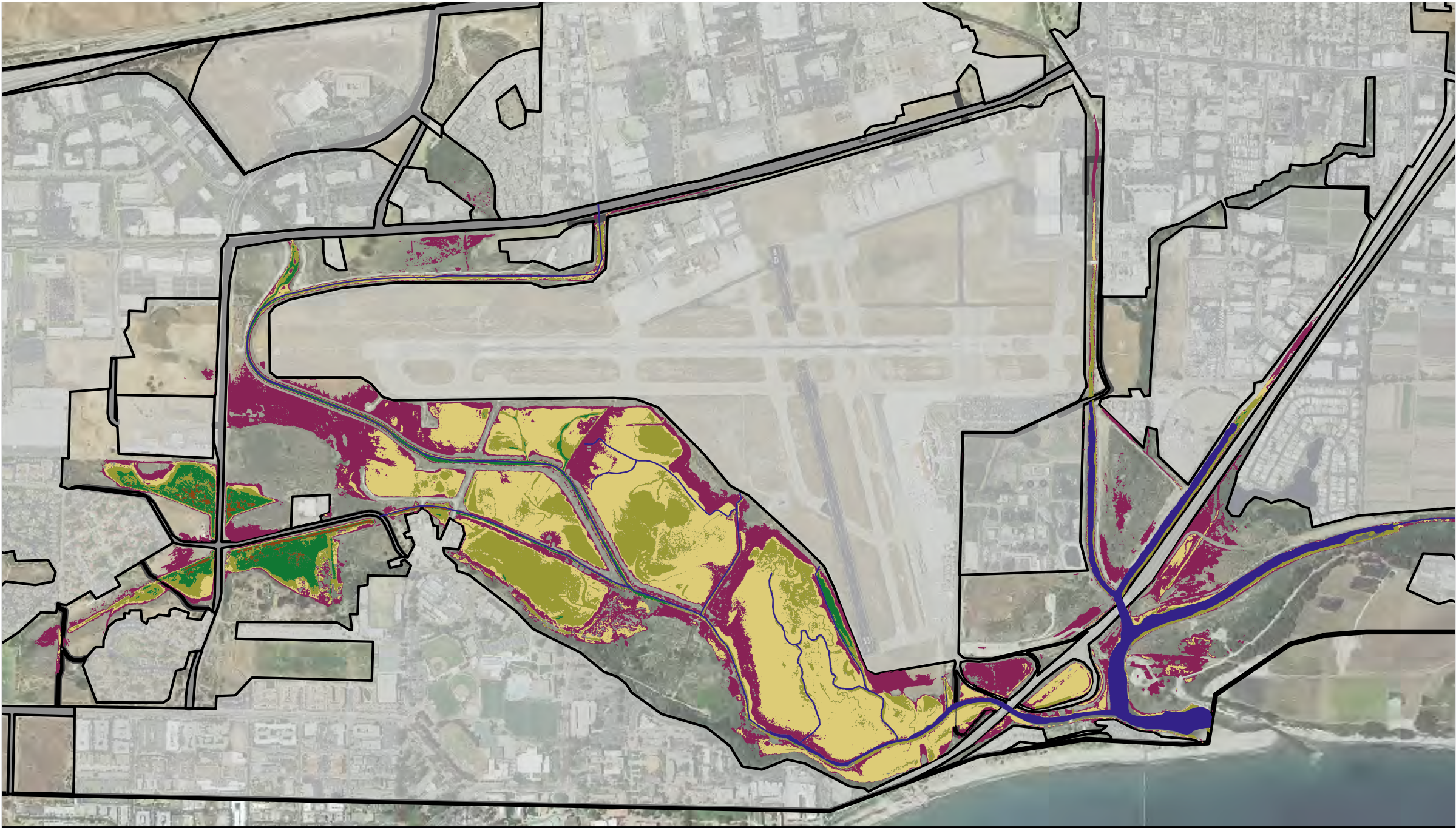
High Groundwater Levels



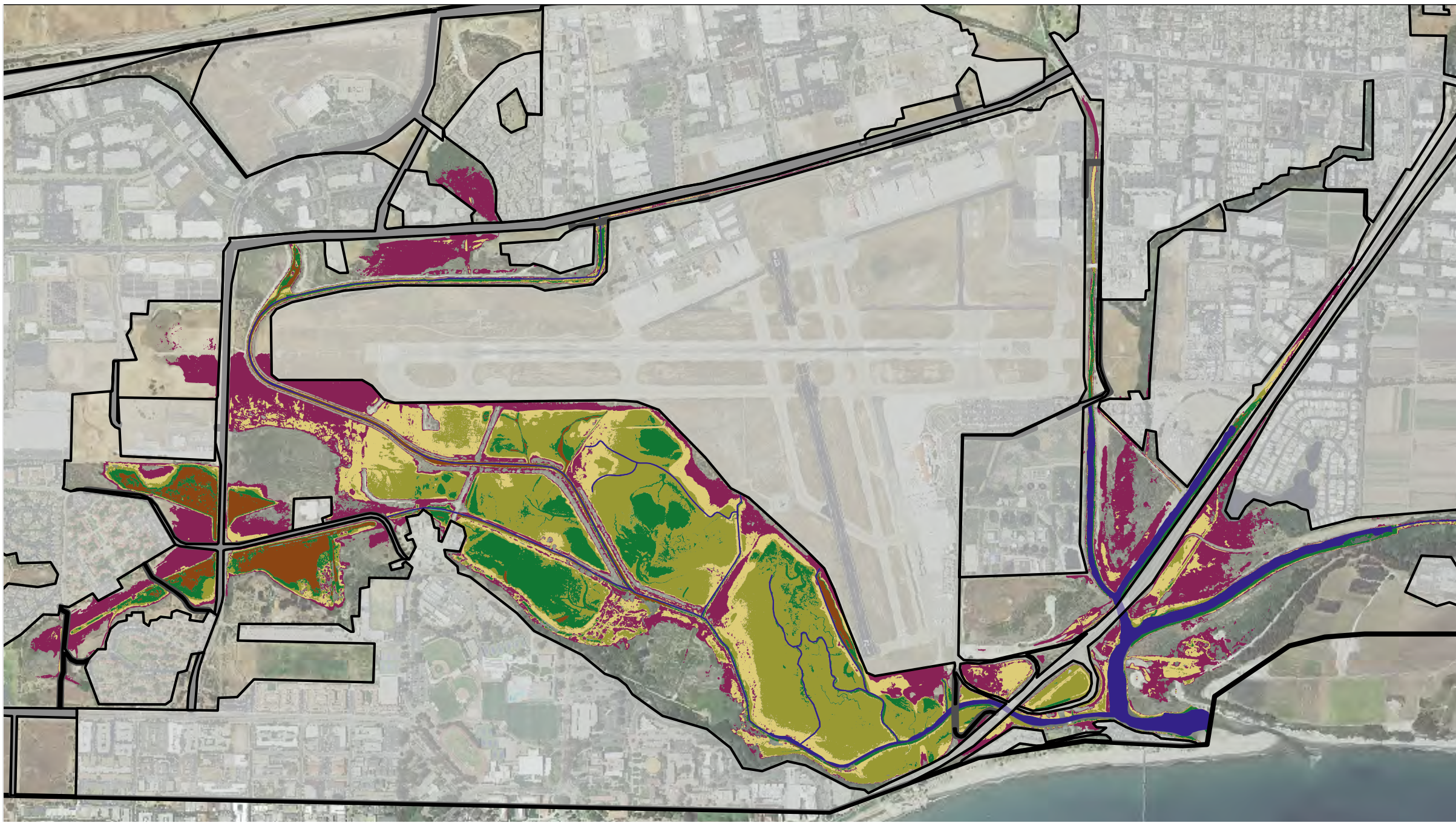
Goleta Slough Habitat Change with Sea Level Rise



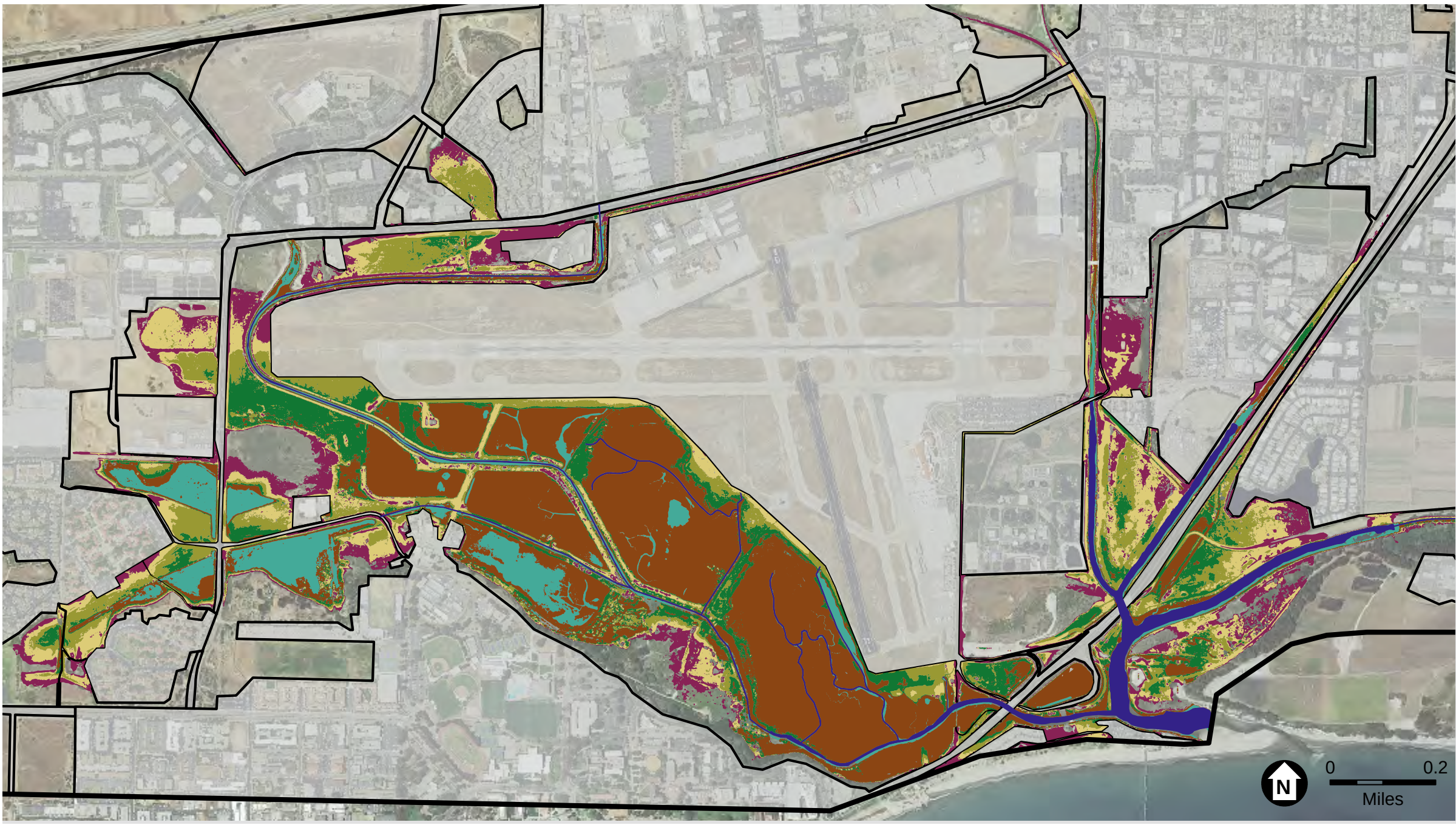
0 ft SLR (Current)
Slough is predominately high marsh and transitional habitat



0.8 ft SLR (2057)
Slough may become predominately mid marsh and high marsh habitat



2.5 ft SLR (2096)
Slough may become predominately low marsh and mid marsh habitat, marsh may establish in uplands



6.6 ft SLR (2150)
Slough may become predominately mudflat and subtidal habitat, low to high marsh may establish further inland

Sea Level Rise Adaptation Plan Development

- Develop adaptation measures and strategies
- Conduct feasibility analysis of options to modify the airfield and existing conditions

