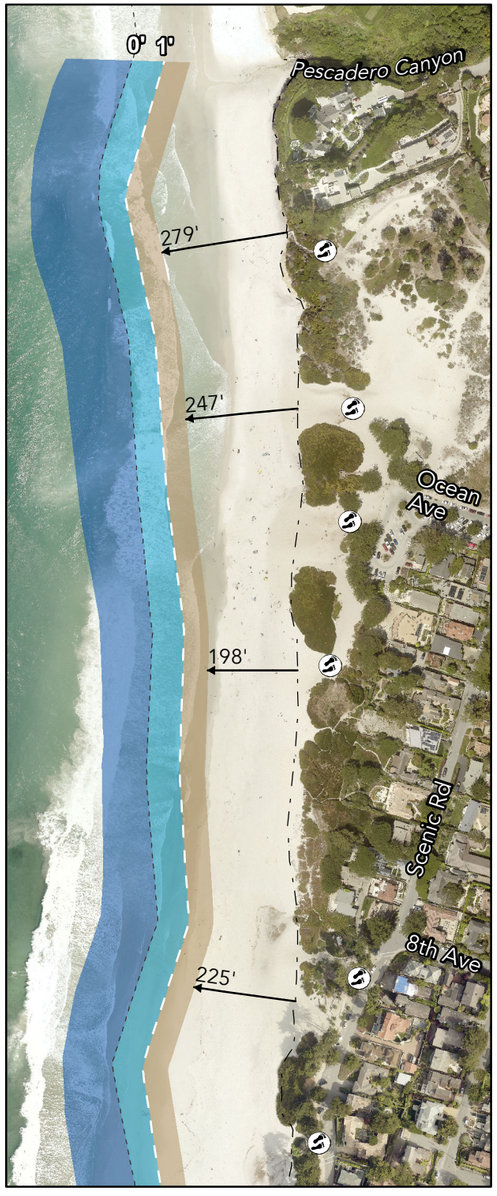
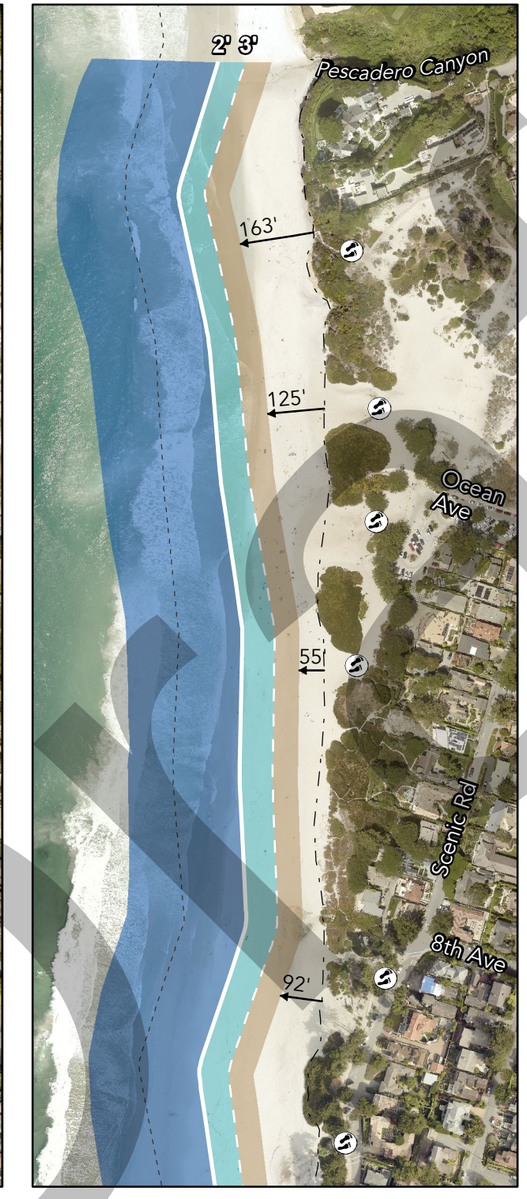
Summer Beach Width Change Projection - North Carmel Beach

0-1 ft of SLR

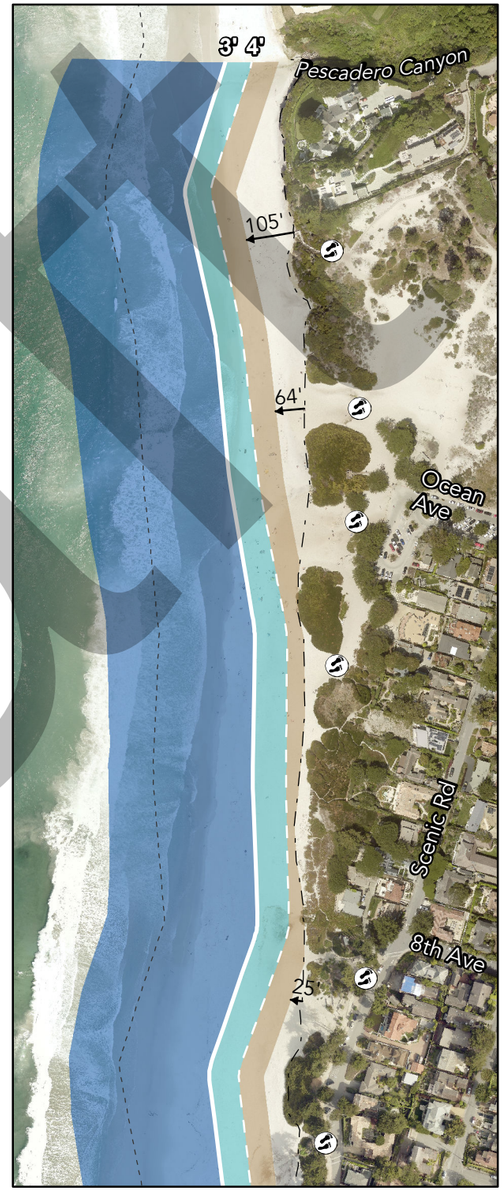


1-2 ft of SLR

2-3 ft of SLR

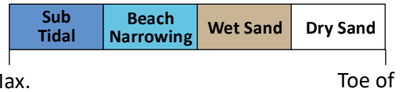


3-4 ft of SLR



4-5 ft of SLR

Beach Narrowing by Foot of Sea Level Rise



Shoreline Features

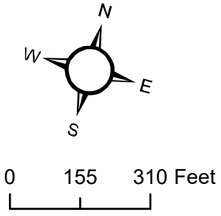
- Coastal Access Location
- Typical Summer Beach (1984-2021)
- Toe of the Cliff, Dune, or Armor (2022)
- Typical Summer Beach Projection - Elevation 1
- Narrowed Summer Beach Projection - Elevation 2

Notes: *Beach changes represent a typical summer beach (75th percentile shoreline position determined using CoastSat data from 1984-2021).*

Sea level rise elevations and time periods are based on 2018 OPC guidance and refer to a high emissions scenario with 2020 as a baseline.

Sources of sediment from potential dune and cliff eroded material have not been considered.

SLR Elev. (ft)	Projected Years *1-in-200 Chance*	*Likely*
1	2045	- 2050
2	2060	- 2080
3	2070	- 2100
4	2080	- 2100+
5	2090	- 2100+



Aerial: EagleView, 2022

Summer Beach Width Change Projection - South Carmel Beach

0-1 ft of SLR

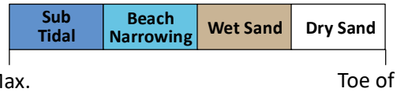
1-2 ft of SLR

2-3 ft of SLR

3-4 ft of SLR

4-5 ft of SLR

Beach Narrowing by Foot of Sea Level Rise



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2	2060	- 2080
3	2070	- 2100
4	2080	- 2100+
5	2090	- 2100+

N
W E
S

0 150 300 Feet

Aerial: EagleView, 2022