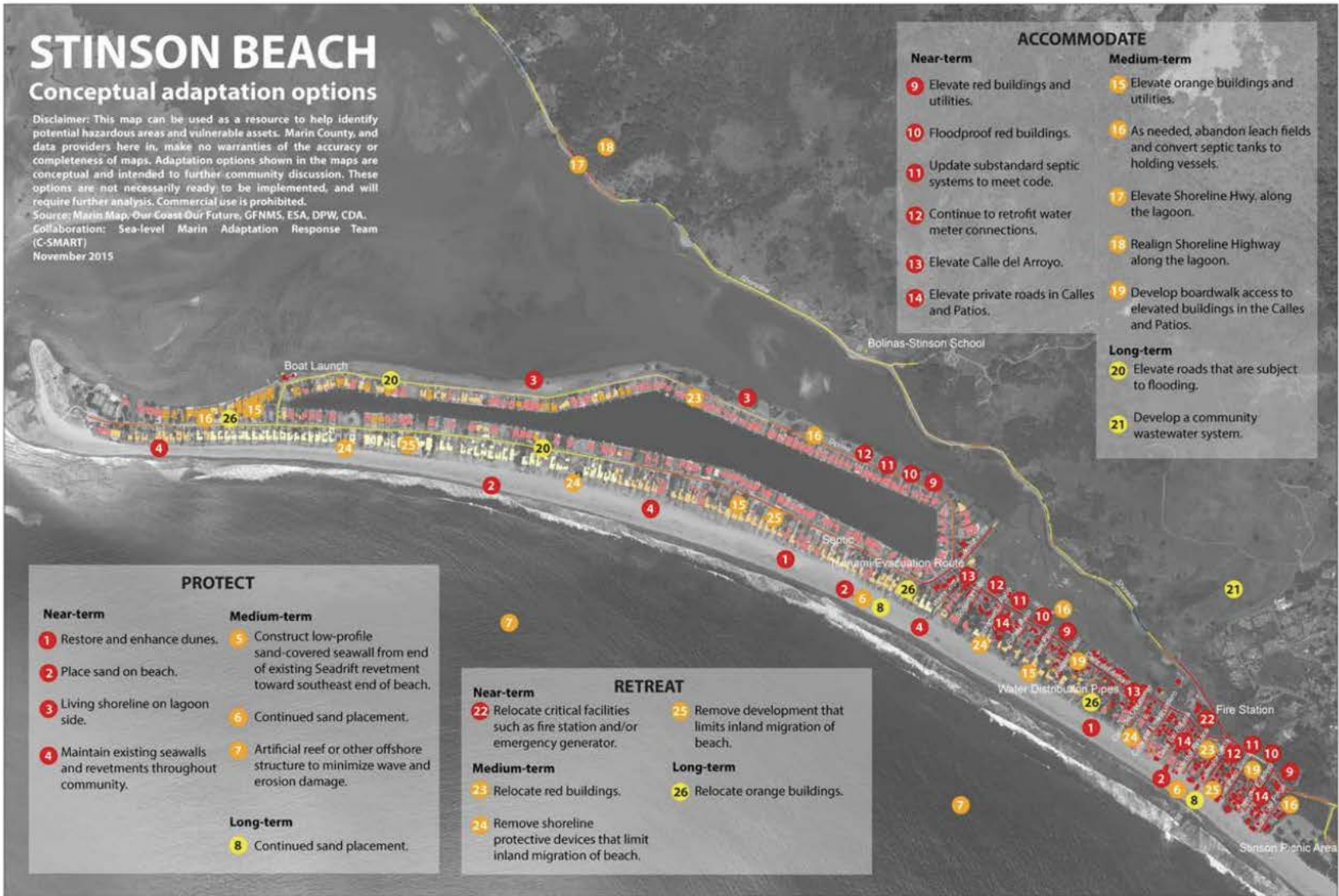


STINSON BEACH

Conceptual adaptation options

Disclaimer: This map can be used as a resource to help identify potential hazardous areas and vulnerable assets. Marin County, and data providers here in, make no warranties of the accuracy or completeness of maps. Adaptation options shown in the maps are conceptual and intended to further community discussion. These options are not necessarily ready to be implemented, and will require further analysis. Commercial use is prohibited.
 Source: Marin Map: Our Coast Our Future. GENMS, ESA, DPW, CDA.
 Collaboration: Sea-level Marin Adaptation Response Team (C-SMART)
 November 2015



PROTECT

Near-term

- 1 Restore and enhance dunes.
- 2 Place sand on beach.
- 3 Living shoreline on lagoon side.
- 4 Maintain existing seawalls and revetments throughout community.

Medium-term

- 5 Construct low-profile sand-covered seawall from end of existing Seadrift revetment toward southeast end of beach.
- 6 Continued sand placement.
- 7 Artificial reef or other offshore structure to minimize wave and erosion damage.

Long-term

- 8 Continued sand placement.

RETREAT

Near-term

- 22 Relocate critical facilities such as fire station and/or emergency generator.

Medium-term

- 23 Relocate red buildings.
- 24 Remove shoreline protective devices that limit inland migration of beach.

- 25 Remove development that limits inland migration of beach.

Long-term

- 26 Relocate orange buildings.

ACCOMMODATE

Near-term

- 9 Elevate red buildings and utilities.
- 10 Floodproof red buildings.
- 11 Update substandard septic systems to meet code.
- 12 Continue to retrofit water meter connections.
- 13 Elevate Calle del Arroyo.
- 14 Elevate private roads in Calles and Patios.

Medium-term

- 15 Elevate orange buildings and utilities.
- 16 As needed, abandon leach fields and convert septic tanks to holding vessels.
- 17 Elevate Shoreline Hwy. along the lagoon.
- 18 Realign Shoreline Highway along the lagoon.
- 19 Develop boardwalk access to elevated buildings in the Calles and Patios.

Long-term

- 20 Elevate roads that are subject to flooding.
- 21 Develop a community wastewater system.

0 250 500 1,000 1,500 2,000 Feet



LEGEND

Near-term

- @ 10 in. & annual storm
- @ 10 in. & 20-year storm

Exposed Buildings

Medium-term

- @ 20 in. & 20-year storm

Long-term

- @ 40 in. & 100-year storm
- @ 80 in. & 100-year storm

Exposed Roads

Near-term

- @ 10 in. & annual storm
- @ 10 in. & 20-year storm

Medium-term

- @ 20 in. & 20-year storm

Long-term

- @ 40 in. & 100-year storm
- @ 80 in. & 100-year storm