



Gleason Beach Roadway Realignment Project

Greater Farallones Sanctuary
Advisory Council Meeting

January 10, 2018

Agenda

- Project Overview
- Habitat Enhancements
- Coastal Improvements
- Q&A



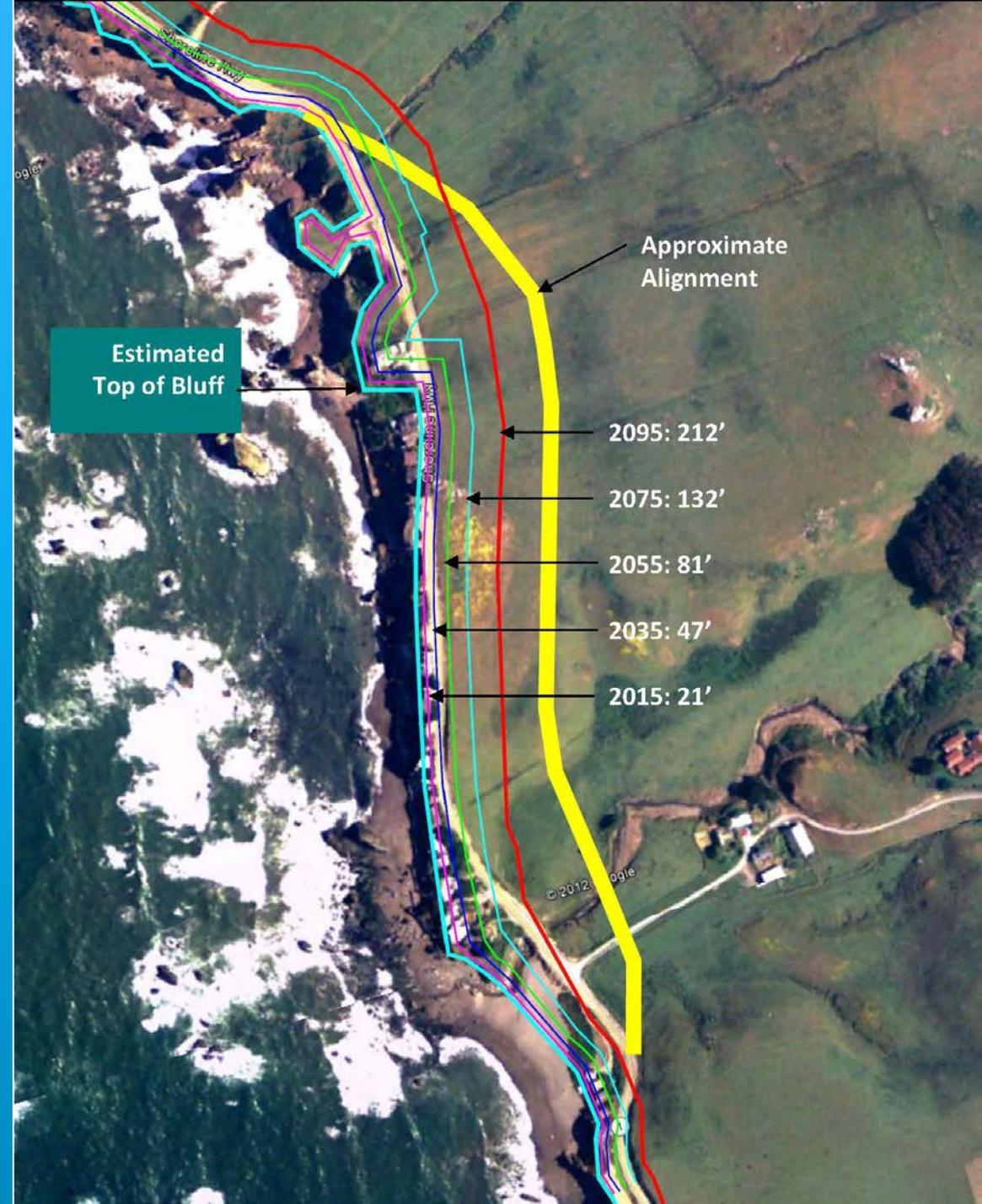
Project Location

- State Route 1, SON County:
 - 5 miles north of Bodega Bay
 - 7 miles south of Jenner



Project Purpose & Need

- Maintain SR 1: Critical for coastal access, and connecting communities
 - Coastal bluff unstable
 - Historical erosion rates 1 ft/yr
 - Rates projected to accelerate
- Stabilization efforts not adequate
- Long term solution needed



Project History



- Eroding coastal bluff...
 - 2004 Pilings Installed
 - 2008 Roadway Realignment Project in development
 - 2016-2017 Emergency work
- Meanwhile Project Team...
 - Biological & cultural studies
 - Public outreach & agency coordination
 - Planning, design, and permitting



March 2010

Emergency Repair Work



Worsening roadway conditions due to weather events in 2016 prompted emergency repair work

Emergency Repair Work (con't)



Emergency repair work was completed in August 2017



Cable railing above the existing soldier pile wall



Compaction grouting within the roadbed;
Roadbed restriped and resurfaced

Project at a Glance

- 3/4 mile SR 1 realignment
 - 3,700-ft, two-lane roadway
 - 850 ft long bridge
 - Spans Scotty Creek floodplain
 - Shoulders & sidewalk on bridge
- Access to existing SR 1
- Culvert removal at Scotty Creek





Project Status/Schedule

- Environmental Document Certified by Caltrans: **June 2016**
- Project Permitting: **Now**
 - NMFS, CDFW, USFWS, RWQCB, USACE, CCC, and SON
- Ready to List: **June 2018**
- Construction: **Begin Spring 2019/End Spring 2021**

Habitat Enhancements



Scotty Creek: Existing

- Limited tidal flow
- Incised banks, no riparian vegetation
- Grazing along the creek



Simulation of Phase 1 Enhancements



- Remove culvert and adjacent fill to widen the mouth of Scotty Creek and eliminate partial fish barrier
- Plant willows or other locally appropriate natives along Scotty Creek within Project Area
- Restrict grazing from creek

Coastal Improvements



Proposed Improvements along Project Area

Public access consistent with Coastal Act & LCP:

- Coastal trail
- Potential pedestrian bridge
- Enhanced beach access



Q&A





For more information please contact:

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or visit **<http://www.dot.ca.gov/dist4/gleasonbeachroadway/>**

Benefits to Coastal Waters

- Improve access to coho and conditions for aquatic species
 - Increase tidal flow
 - Improve cattle management along creek
- Develop riparian corridor



Habitat Enhancements

- Phase 1: Natural restoration of Scotty Creek within Project Area
 - Primary elements: Culvert and fill removal, riparian planting
 - Timing: during project construction
- Phase 2- Habitat mitigation beyond the project area
 - Primary elements: enhancements of wetlands and Myrtle's silverspot butterfly and California red-legged frog habitat
 - Timing: may occur after the project is completed depending on location



Phase 2: Additional Habitat Enhancements

- Enhance wetlands, Myrtles silverspot butterfly and California red-legged frog in accordance with permits
- Coordination with Gold Ridge Resource Conservation District to develop a local mitigation plan

The tidal intrusion boundaries based on the results listed in Table 2 are shown in Figure 7. Within the study limits, the increase in flooded area for the 2015 condition is 5.7 ac. In the 2100 scenarios, the increase in flooded area is 5.8 ac within the study limits.

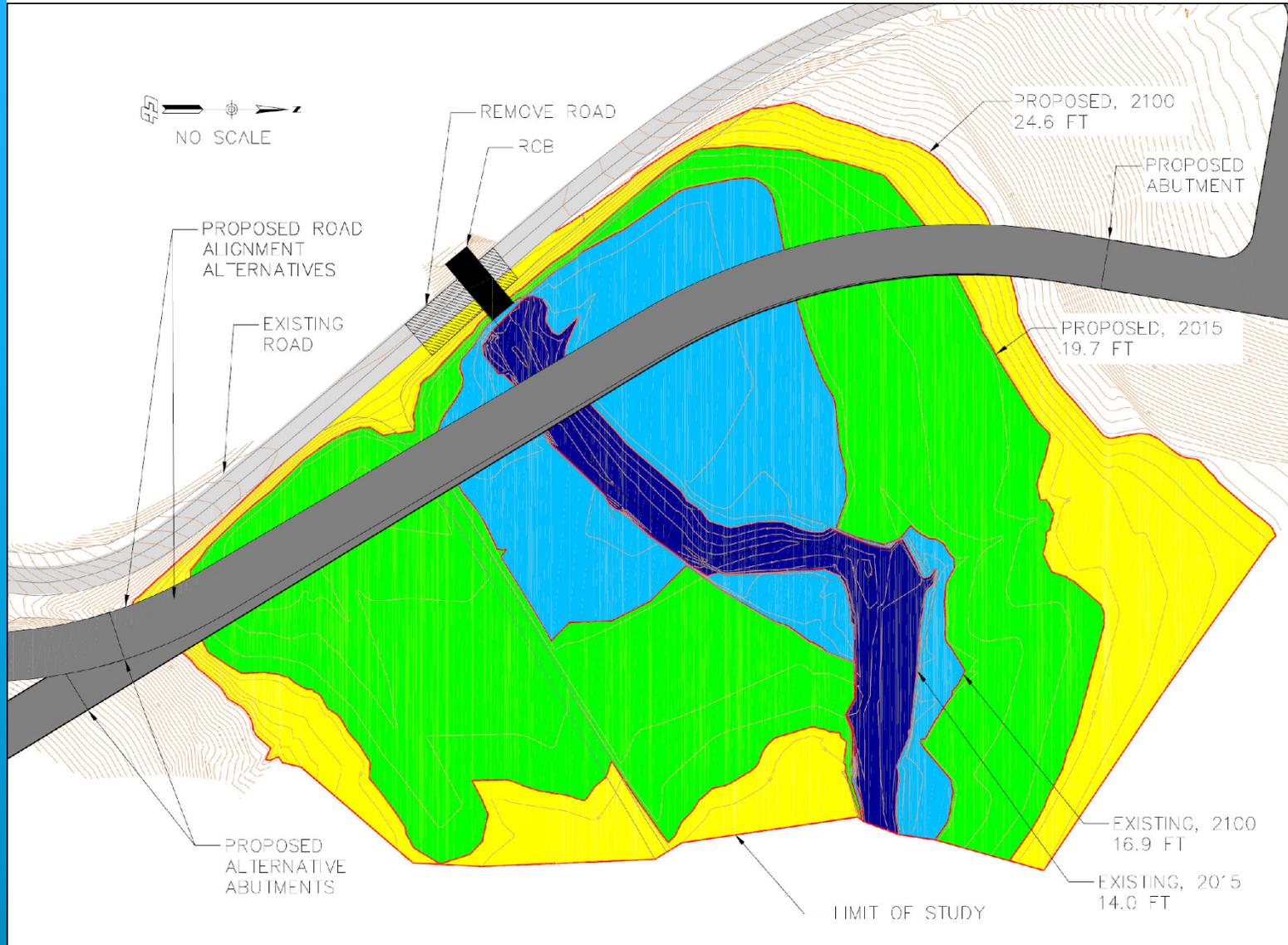


Figure 7. Boundaries of 10-year Tidal Intrusion