

2025 Annual Summary Report
National Marine Sanctuary Permit MBNMS-2022-021

Surfers Beach Pilot Restoration Project

El Granada, San Mateo County, California

Prepared for:
San Mateo County Harbor District

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1. Introduction

This report fulfills the annual summary reporting requirement of Special Condition 9 of National Marine Sanctuary Permit MBNMS-2022-021 for activities conducted during calendar year 2025. The permit authorizes placement of suitable dredged sand at Surfers Beach within Monterey Bay National Marine Sanctuary (MBNMS) as part of the Surfers Beach Pilot Restoration Project.

This report summarizes activities conducted during calendar year 2025 within sanctuary jurisdiction. Separate physical and biological monitoring reports required pursuant to Special Condition 8 of Permit MBNMS-2022-021 will be submitted under separate cover in accordance with permit requirements.

2. Activity Log (Permit Item 9a)

- July 28, 2025 – Construction activities commenced.
- Hydraulic placement of dredged sand was conducted at Surfers Beach.
- Sand placement and beach grading progressed throughout the authorized fill area.
- October 22, 2025 – Sand placement and construction activities were completed.
- Post-construction surveys and as-built documentation were completed following construction.

Approximately 80,000 cubic yards of suitable sand were beneficially reused at Surfers Beach as part of the pilot restoration project.

3. Sand Placement Area and Material Quantity (Items 9b and 9c)

The final sand slurry placement area extended approximately 1,300 linear feet along Surfers Beach. Placement width varied throughout the project area in response to existing beach morphology, hydraulic placement operations, and final grading requirements. Cross-shore placement widths generally ranged from approximately 75 to 200 feet. **Final placement limits, contours, and surveyed as-built conditions are depicted in Attachment A.**

Approximately 80,000 cubic yards of sand slurry material were placed within the authorized Surfers Beach fill area during calendar year 2025.

No windblown sand removal was conducted during calendar year 2025. The elevation of the Caltrans revetment, recreational trail, and adjacent shoreline infrastructure effectively limited wind transport of beach sand onto the trail. Accumulation of windblown sand requiring management actions did not occur

during the reporting period. Accordingly, the area and volume of windblown sand placement during calendar year 2025 were zero.

4. Maps and Beach Profile Changes (Permit Items 9d and 9e)

Maps depicting the final sand placement area are included in Attachment A. The attached engineer-certified As-Built Plans identify the final placement footprint, beach contours, shoreline configuration, and relevant habitat features within the project area.

Representative pre-construction, design, and as-built beach profile sections are included in Attachment A (Sheets C-10 and C-11) and Attachment B. These profiles demonstrate substantial widening of the beach and increases in beach elevation throughout the nourishment area following placement of approximately 80,000 cubic yards of sand.

5. Endangered and Threatened Species Observations (Item 9f)

Black Abalone

A pre-construction black abalone survey was conducted prior to initiation of construction. Survey methods included systematic visual inspection of suitable rocky intertidal habitat, including crevices, boulder habitat, and other potential black abalone refugia. No black abalone were observed during the survey.

Western Snowy Plover and Nesting Birds

Pre-construction nesting bird surveys were conducted during 2025. No western snowy plovers, western snowy plover nests, or active migratory bird nests were observed within the survey area. Although these surveys were conducted primarily to satisfy requirements outside sanctuary jurisdiction, the results are relevant to biological observations associated with the overall project.

No federally listed threatened or endangered species were observed or reported within the sanctuary project area during activities conducted in calendar year 2025.

6. Marine Mammal and Seabird Disturbances (Permit Item 9g)

No marine mammal or seabird disturbances associated with activities conducted within sanctuary boundaries were observed during the reporting period.

7. Historic Resources, Paleontological Resources, Equipment Loss, and Other Issues (Permit Item 9h)

Pacific Paleontology, Inc. provided paleontological monitoring support for the project. No paleontological or archaeological resources were encountered and no discoveries required work stoppage, agency notification, avoidance measures, or additional investigation.

No historical resources were discovered or disturbed within sanctuary jurisdiction.

No equipment was lost within the sanctuary.

No spills, releases, incidents, permit violations, or other problems requiring agency notification occurred during activities conducted within sanctuary jurisdiction.

8. Attachments

Attachment A – Representative Project Photographs

Attachment B – Engineer-Certified Record Set / As-Built Plans (ESA, February 2026)

Attachment C – Post-Dredge and Material Placement Survey (Woolpert/Vortex)

Attachment A – Representative Project Photographs



Pipeline alignment at Surfers Beach



Northern containment cell on September 12, 2025



Southern containment cell on September 12, 2025



Sand placed on beach as of September 30, 2025



Completion of sand placement, October 31, 2025



November 04, 2025 post-placement beach profile

Attachment B – Engineer-Certified Record Set / As-Built Plans (ESA, February 2026)

**Attachment C – Post-Dredge and Material Placement Survey
(Woolpert/Vortex)**