BENEFICIAL USE OF SAND DREDGED FROM THE SAN FRANCISCO MAIN SHIP CHANNEL FOR STORM-DAMAGE REDUCTION AT OCEAN BEACH, SAN FRANCISCO, CALIFORNIA



PAMELA PATTON AND JOHN DINGLER U.S. ARMY CORPS OF ENGINEERS SAN FRANCISCO DISTRICT WEDA PACIFIC CONFERENCE SEATTLE, WA OCTOBER 28, 2021



OCEAN BEACH: SAN FRANCISCO'S MAJOR BEACH









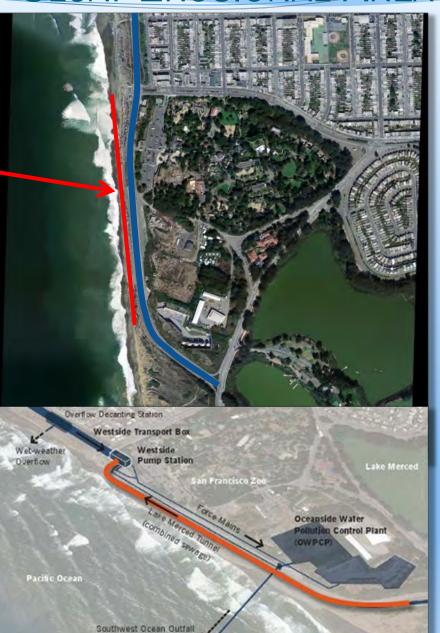


OCEAN BEACH: SOUTH-OF-SLOAT EROSIONAL AREA





US Army Corps of Engineers San Francisco District



(4.5 miles out)

AUTHORITY: §204 (WRDA OF 1992) AS MODIFIED

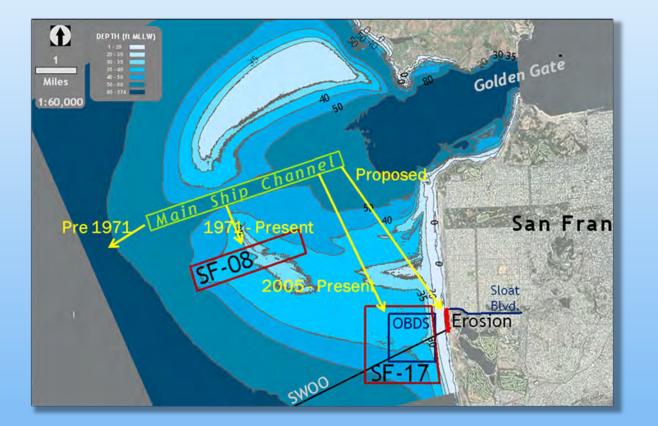
Any non-Federal government entity can serve as the sponsor for a Section 204 project. All it takes is a simple request to the local Corps office, and a representative will discuss your problem with you and let you know if you qualify for the program.

"[Continuing Authorities Program] Section 204 presents regional

sediment management in the context of using sediment obtained through construction, operation, or maintenance of an authorized Federal water resources project ... for the reduction of storm damages to property ... (For example placing dredged sand on a beach or shoreline to provide for hurricane and storm damage reduction.)"



SAN FRANCISCO MAIN SHIP CHANNEL



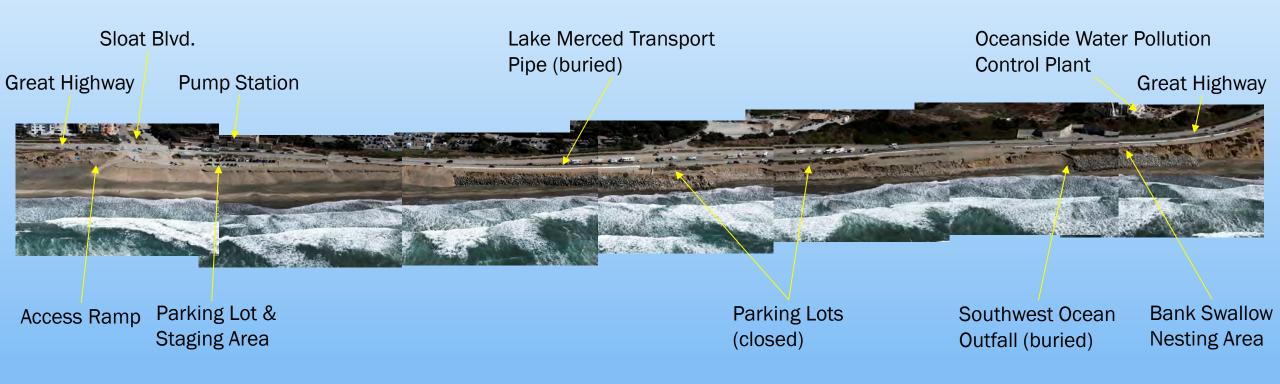


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- Channel length: ~26,000 ft; Channel width: ~2000 ft
- Maintained depth: 55 ft MLLW (annually dredged by USACE)
- Nearshore placement ≈ 320,000 yd³ (2000-2018 average)



PROJECT AREA (SOUTH OF SLOAT FOR 3,000')





PERIODIC STORM-WAVE DAMAGE







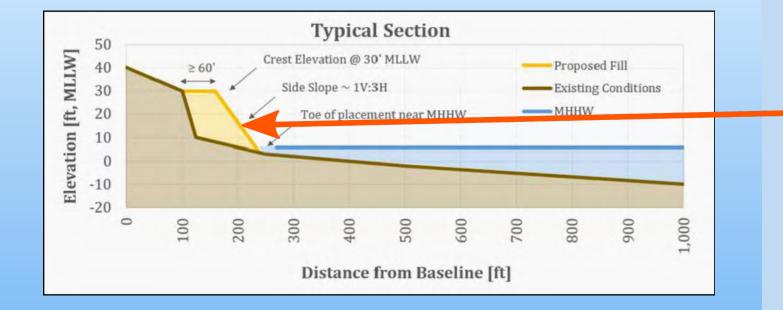






US Army Corps of Engineers San Francisco District

PROJECT DESIGN









BERM BUILDING



COMPLETED BERM







Corps of Engineers San Francisco District





COMPLETED BERM







US Army Corps of Engineers San Francisco District





FINISHED!





US Army Corps of Engineers San Francisco District

TEAM OF TEAMS

SAN FRANCISCO DISTRICT

- Project Management
- NEPA Documentation
- Real Estate
- Public Relations



Services of the San Francisco

San Francisco Water

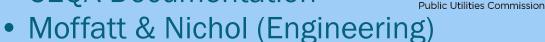
Portland District

- Project Design
- Dredge Contracting
- Construction Management



PUBLIC UTILITIES COMMISSION

- Project Sponsor
- CEQA Documentation



• ESA (Environmental)

Golden Gate NRA

- Landowner
- NEPA Documentation



The Dutra Group

- MSC Dredging
- Pump Ashore
- Berm Construction





PUBLIC INFORMATION

For more information, visit the San Francisco District webpage:

https://www.spn.usace.army.mil/ Missions/Projects-and-Programs/Ocean-Beach-Beach-Nourishment/





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Missions Projects and Programs Ocean Beach Beach Nourishment

Ocean Beach Beach Nourishment Photos



Frequently Asked QuestionsWORK UPDATES!PROJECT HOURS?SAND GOES WHERE?HOW WILL I BE AFFECTED?PROJECT BENEFITS?WHO'S IN CHARGE?PARKING LOT CLOSED?ENVIRONMENT PROTECTED?EQUIPMENT USED?DONE AGAIN WHEN?

Ocean Beach Beach Nourishment



THE SAND BERM IS COMPLETE AT OCEAN BEACH

The much-anticipated U.S. Army Corps of Engineers Beneficial Use project at Ocean Beach is complete!

Ocean Beach Beach Nourishment - Seeing Results on the Beach

The much-anticipated U.S. Army Corps of Engineers Beneficial Use project at Ocean Beach is under construction! This Ocean Beach Continuing Authorities Program Section 204 comprises building a sand berm on property owned by Golden Gate National Recreation Area in front of 3,000 feet of the bluff south of Sloat Boulevard using sand dredged from the San Francisco Main Ship Channel. The project goal is to protect the Great Highway and wastewater infrastructure maintained by the City and County of San Francisco, Public Utilities Commission.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

Public Notices

Construction Notice Ocean Beach Beach Nourishment 2021

Project Contact

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Contact

Projects & Planning General Info 415-503-3674 450 Golden Gate San Francisco, CA 94102