



Monitoring Sand Placement near Pillar Point Harbor, Half Moon Bay, CA,

John Dingler

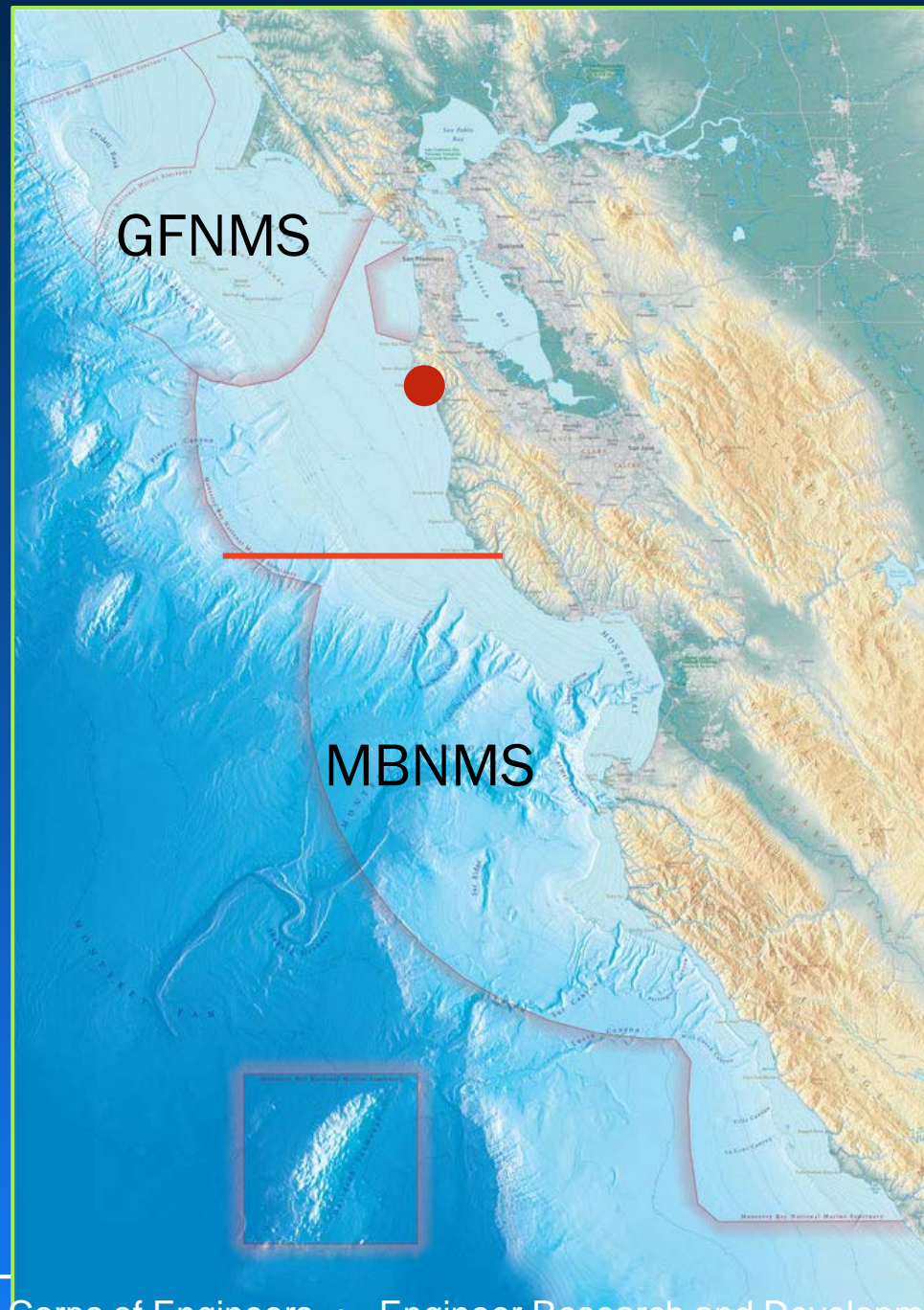
- BLUF: The **Monterey Bay National Marine Sanctuary** extends along 276 miles of the California Coast from Cambria to Marin. Historically, the Sanctuary has **prohibited disposing of dredged sand into its waters** even for nearshore beneficial-use projects. Recognizing the negative impacts of sea-level rise and increased storminess, the Sanctuary now is willing to permit a **PILOT PROJECT AT PILLAR POINT HARBOR** to see if such placement will have minimal impacts on its environment.

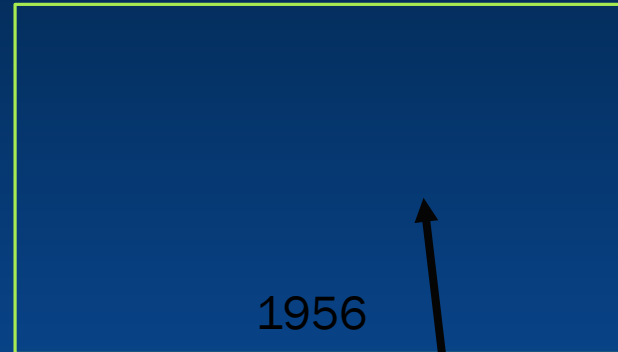
CHALLENGE:

- Demonstrating to the Sanctuary that it is appropriate for it to reevaluate its rules and regulations to allow opportunistic beach and nearshore placement of dredged sand.

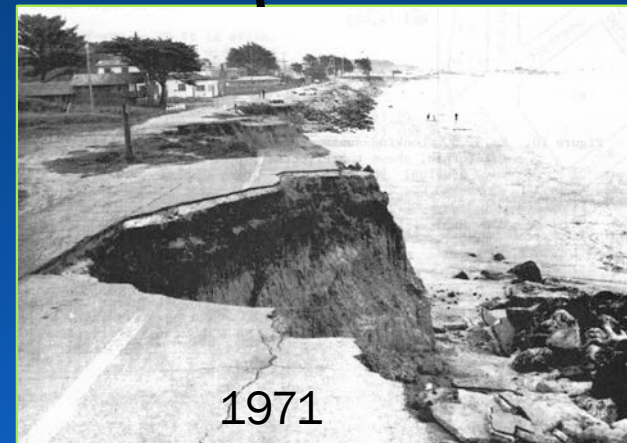
PROJECT APPROACH:

- Monitoring design meetings with stakeholders
- CMS
- Lidar and littoral zone surveys





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USACE PDT MEMBERS:

- John Dingler: CECO-C-RAO
- Patrick O'Brien: CESPEN-ET-EW
- James Zoulas; CESPEN-ET-CH
- Lihwa Lin: CEERD-HNC-E¹
- Honghai Li: CEERD-HNC-E¹

¹ proposed

LEVERAGING/COLLABORATIVE OPPORTUNITIES:

- US Geological Survey
- MBNMS/GFNMS
- CSMW
- CA National Resources Agency
- CA Coastal Commission

STAKEHOLDERS/PARTNERS:

- • Brad Damitz, SMCHD
- • John Moren, SMCHD
- • Jonathan Warrick, USGS
- • Max Delaney, GFNMS
- • Maria Brown, GFNMS
- • Lesley Ewing, CCC
- • Brian Ross, USEPA Region 9.
- • Maziar Bozorginia, City of HMB
- • Summer Burlison, SMC
- • Joe LaClaire, SMC



ACCOMPLISHMENTS/DELIVERABLES

- Meetings with the Sanctuary, federal and state agencies, and stakeholders to develop monitoring criteria
- Coordinate with the USGS to survey the project area for CMS updating

LESSONS LEARNED





What challenges ~~did~~ **DO** you face to get your project to implementation?

SANCTUARY INFLEXIBILITY

What is your path forward to construction?

TIMES THEY ARE A-CHANGIN'



How is this project benefiting USACE and National

- Enhancing cooperation between federal agencies involved with the use of dredged sediment for RMS
 - USACE
 - MBNMS
 - USEPA
 - USGS

- Improving the state's ability to implement beneficial-use programs along 276 miles of the central CA coast
 - CNRA (e.g., DPR, DBW, CDFW, CGS)
 - CCC
- Supporting the Half Moon Bay communities