



Naval Base Ventura County

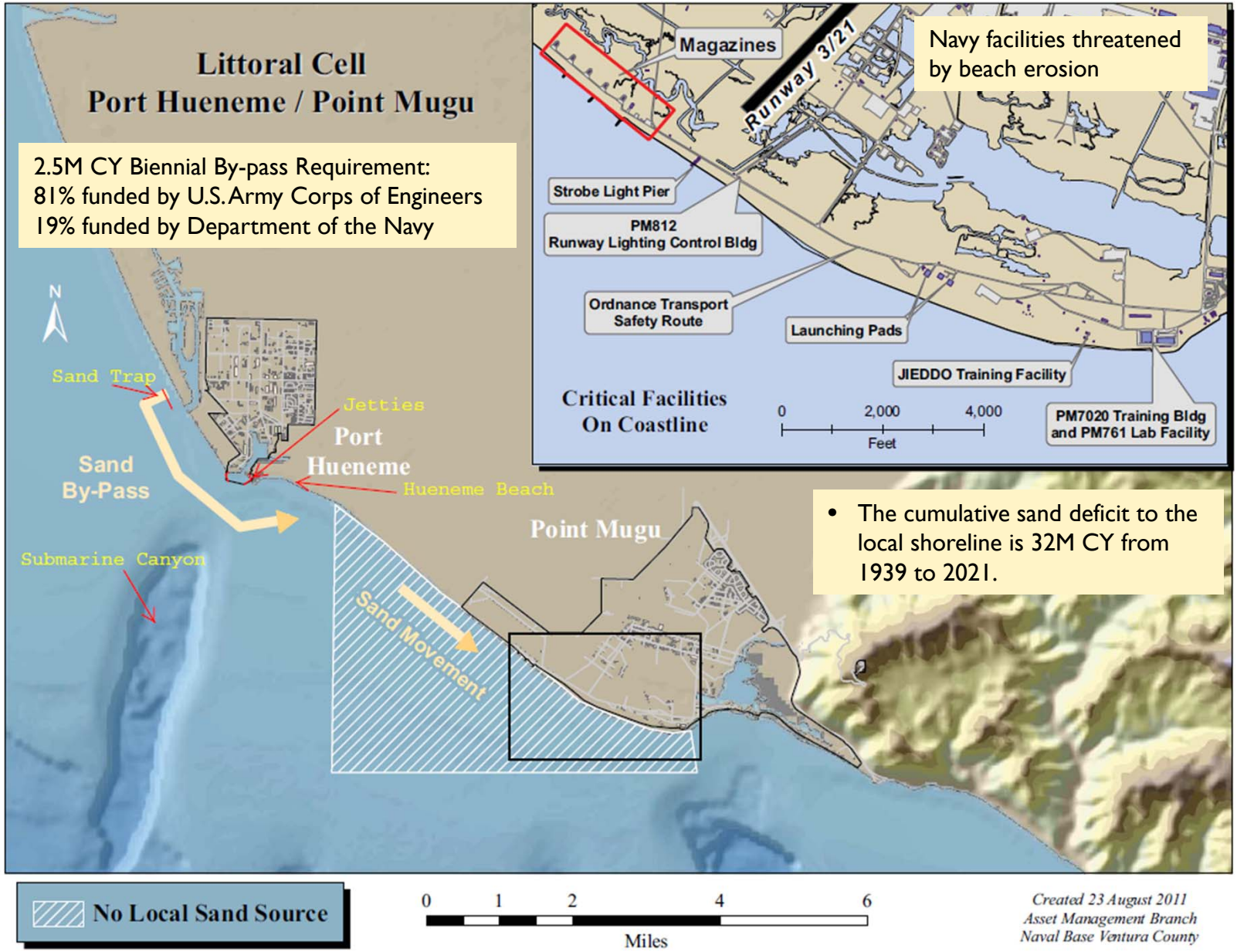
Beach Nourishment & Navy Activities

Prepared for South Ventura Sand Summit-
February 18, 2021



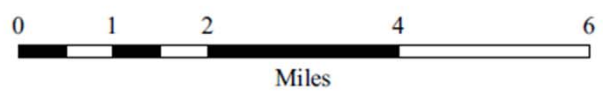
Littoral Cell Port Hueneme / Point Mugu

2.5M CY Biennial By-pass Requirement:
81% funded by U.S. Army Corps of Engineers
19% funded by Department of the Navy



- The cumulative sand deficit to the local shoreline is 32M CY from 1939 to 2021.

No Local Sand Source



Created 23 August 2011
Asset Management Branch
Naval Base Ventura County



Sand Placement at Hueneme Beach

<u>Year</u>	<u>Available Material (CY)</u>	<u>Quantity Bypassed (CY)</u>
2012	3,390,000	534,000 (16%)
2014	3,470,000	2,305,000 (66%)
2016	3,230,000	1,540,000 (48%)
2018	3,114,000	1,653,000 (53%)
<u>2020</u>	<u>2,714,000</u>	<u>1,750,000 (64%)</u>
Average	3,184,000	1,556,000 (49%)

Total deficit as of 2021: 32,000,000 cubic yards



Sand Deficit: Root Cause

- Funding deficits since 1980 have reduced the amount of sand by-passed by >50%.
- Funding deficits have produced administrative issues that limit the amount of sand bypassed each dredging evolution.
 - Current environmental planning documents, permits, and consultations limit each dredging evolution to a maximum of 2.0M cubic yards regardless of the availability of funding.



Navy Mitigation Actions

- Coordinating with AcoE to increase future funding requests to achieve full sand bypass requirement.
- Working with the AcoE to update environmental planning documents, consultations, and permits to increase the allowable biennial project volumes.
- Working with the AcoE to obtain a permit for relocation of Aeolian sand at Point Mugu and Port Hueneme into the littoral zone.
- Evaluating sand borrow location(s) offshore from Point Mugu for beach replenishment.



Sand Sources Near Point Mugu

