



WATERFRONT DEPARTMENT

SANTA BARBARA HARBOR

BEACON Sand Summit

May 9, 2024

History Of The Harbor



Building of the Breakwater

1920's

- Completed in 1928
- Demolished Castle Rock
- Sand/Sediment Build Up

History Of The Harbor



1934 – Harbor & Growing Leadbetter

Sediment Build Up

- Blocks natural sediment flow
- New land created
- Sand robbed from downcoast

Beach: A River of Sand

<https://www.youtube.com/watch?v=FqT1g2riQ30>

History Of The Harbor

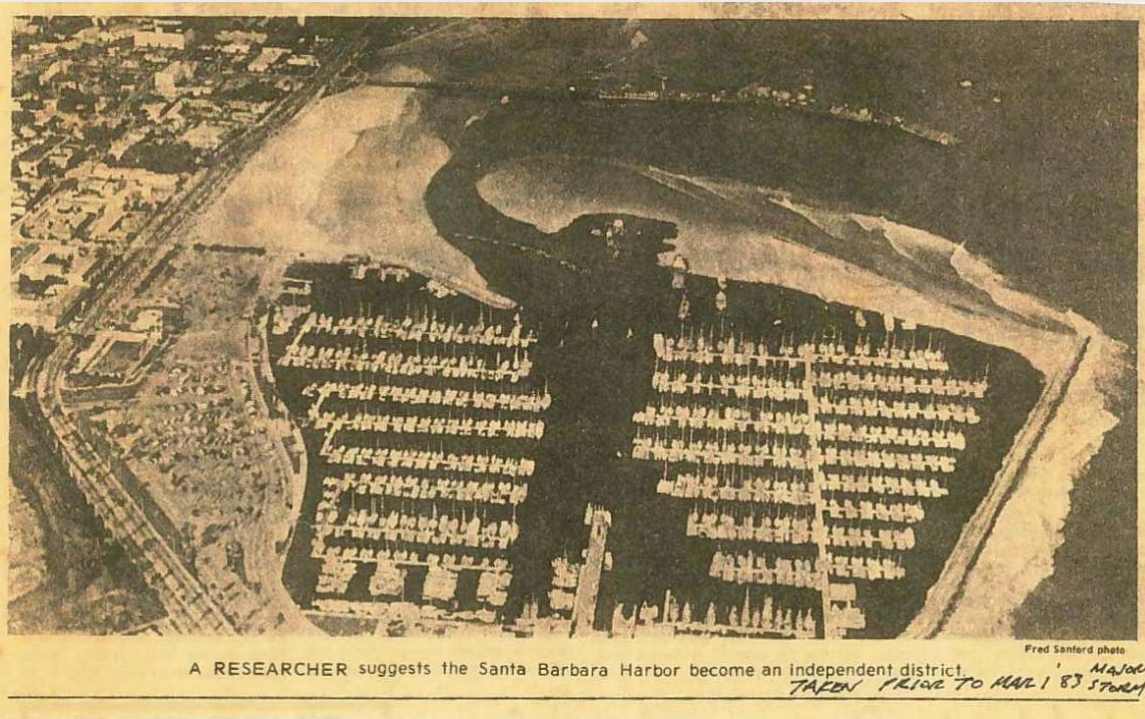


1960's Harbor & Tideland Area

1960's

- Building on accreted land
 - SBCC Track
 - Harbor Business Area
 - Cabrillo Blvd
 - Parking Lots

The Need For Dredging



Annual Dredging

- Dredge channel twice annually
- \$3M/year (Army Corps Managed)
- 240,000CY per Year
- Deposited on East Beach
- Numerous Storms have Closed the Channel

1983 - Sandspit Sediment Closing Off Harbor

Santa Barbara Harbor Today



Santa Barbara Harbor Today

Harbor Today

- 1150+ Slip Marina
- ~100 Commercial Fishing Slips
- Harbor Business District
- City Pier Facilities
- Industrial Ice House
- 61 Commercial Tenants
 - Harbor Business District
 - Stearns Wharf

Recent Storm/Swell Issues 2023/2024



Rock Revetment Construction



Rock Revetment Construction



Before



After





2023/2024 Dredging Efforts

- Storm Related Emergency Dredging (2023)
 - >30,000 CY in response to storms
 - Just enough to get channel open
- Regular Cycle Dredging (2023 & 2024)
 - Aims for 240,000 CY per year in 2-cycles (Winter/Spring)
 - Most recent cycle only got 40,000CY
- Ancillary Inner Harbor Dredging
 - <10,000 CY from trouble areas throughout harbor

Federal Channel Dredging

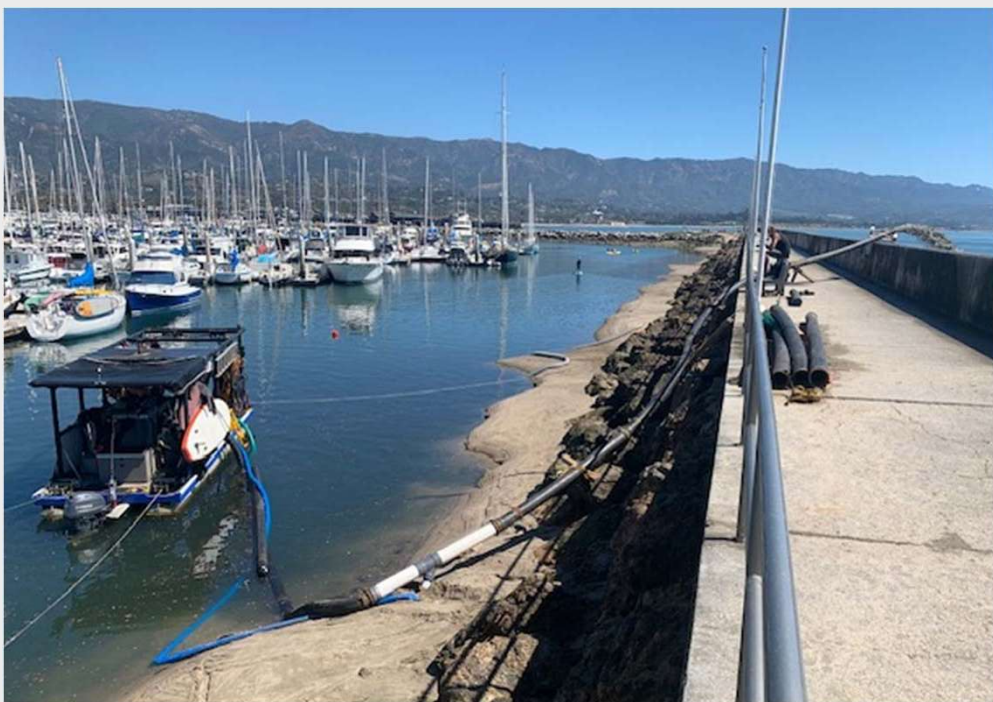


- Dredge channel twice annually
- \$3.2M/year (Federally Funded)
- Energy & Water Appropriations
Operation & Maintenance Funding
- Army Corps Managed
- 240,000CY per Year
- Deposited on East Beach
- 3-Year Contract w/Pacific Dredge
- Sandpiper All-Electric Dredge

Federal Channel Dredging – Outfall

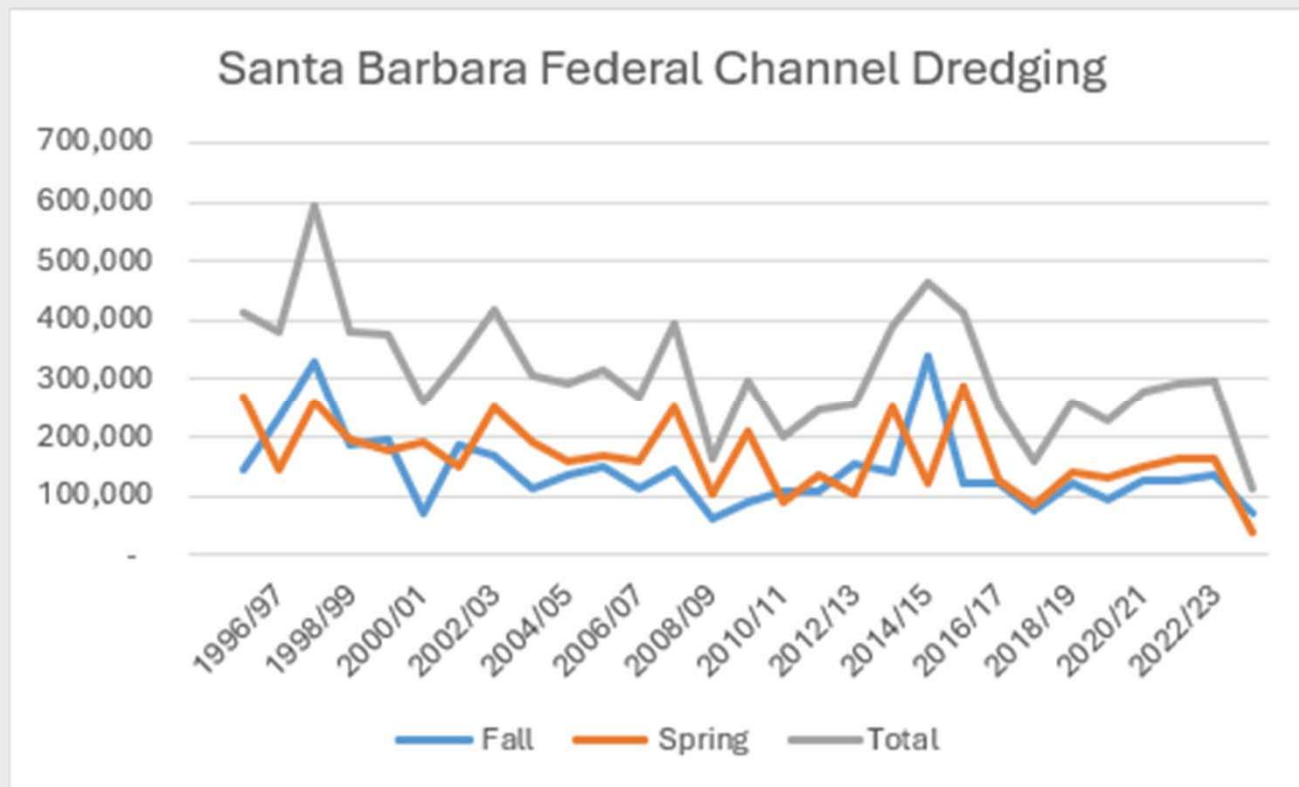


Ancillary Inner Harbor Dredging



- Apex Diving and Marine Services
- On site for 3-weeks
- <10,000 CY @ \$29.27/cu yd
- Sediment comes through breakwater

Dredging – Volumes





Questions?