

San Gabriel River to Newport Bay - Stage 12



U.S. Army Corps of Engineers
Los Angeles District

Purpose

- Historical overview of beach fills
- Current project

In Other Words ...

- How we spent your money
- What have you done for me lately?

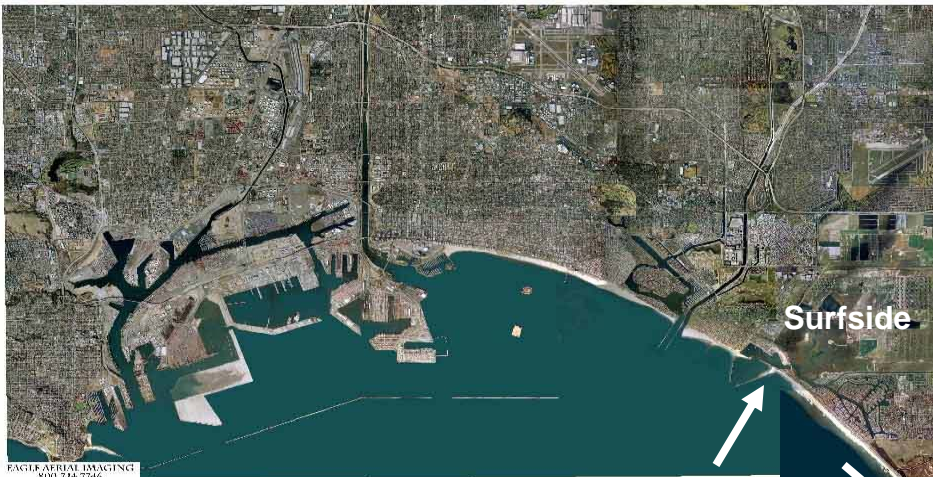
Project Area



Project Concept

- Authorized 1962
- “Equity” Study
 - Recognized Impacts of Upland Development, Flood Control Facilities, and Coastal Harbors / Structures
- 67/33 Fed / Non-Fed Cost Sharing
- Indefinite / Perpetual Authorization

Engineering Concept



Storm Damage Reduction
Regional Sediment Management
Protective / Feeder Beach
Downdrift Impoundment
Periodic Backpassing
1,750,000 cy / 5 yrs



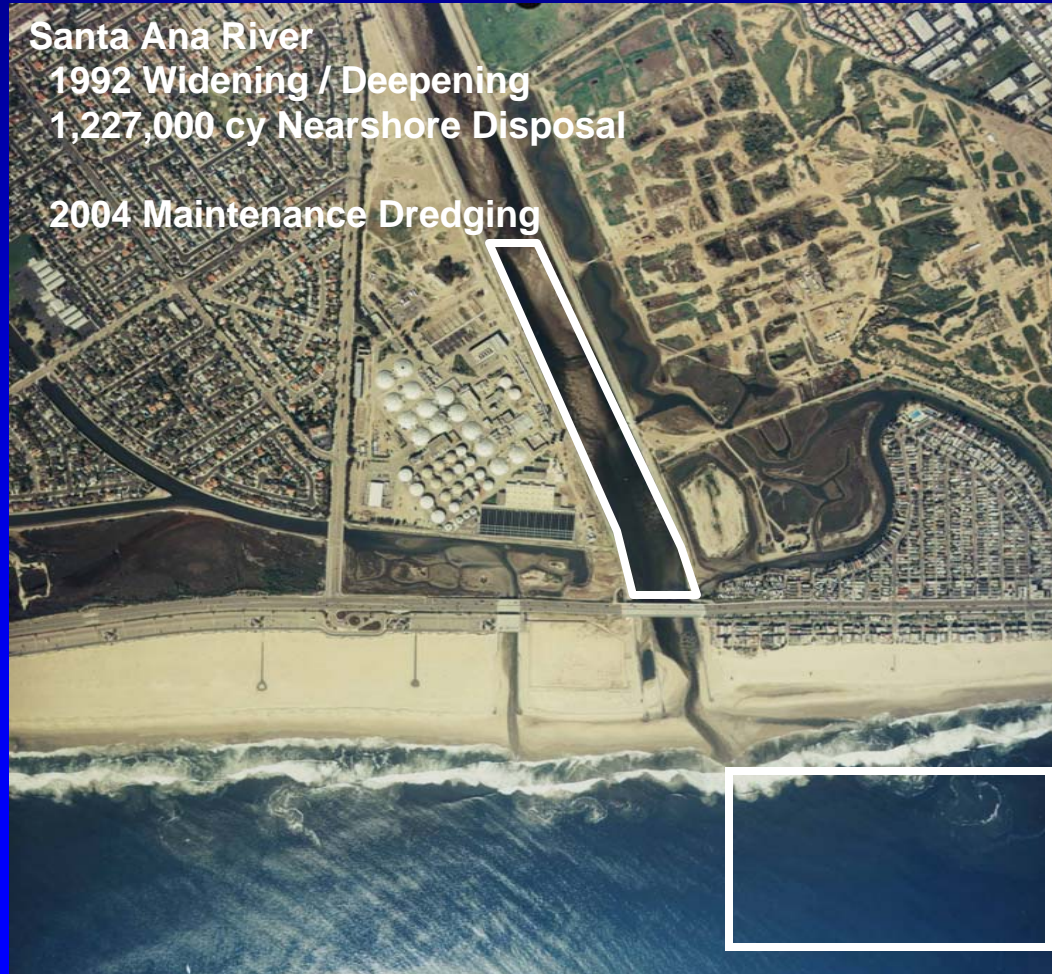
Sediment Sources

- Upland
- Riverine
- Marine
 - Maintenance Dredging
 - Offshore Borrow Sites

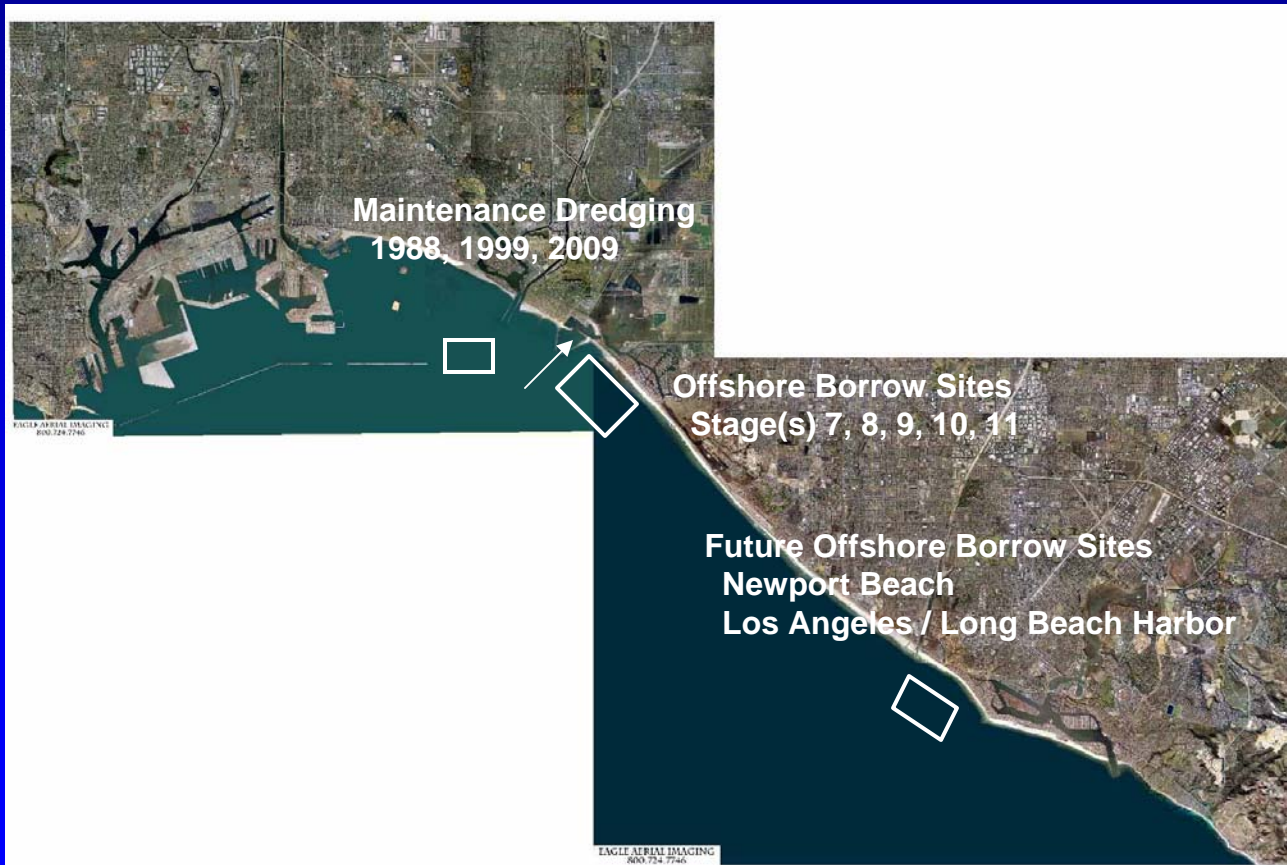
Upland Sources



Riverine Source



Marine Sources

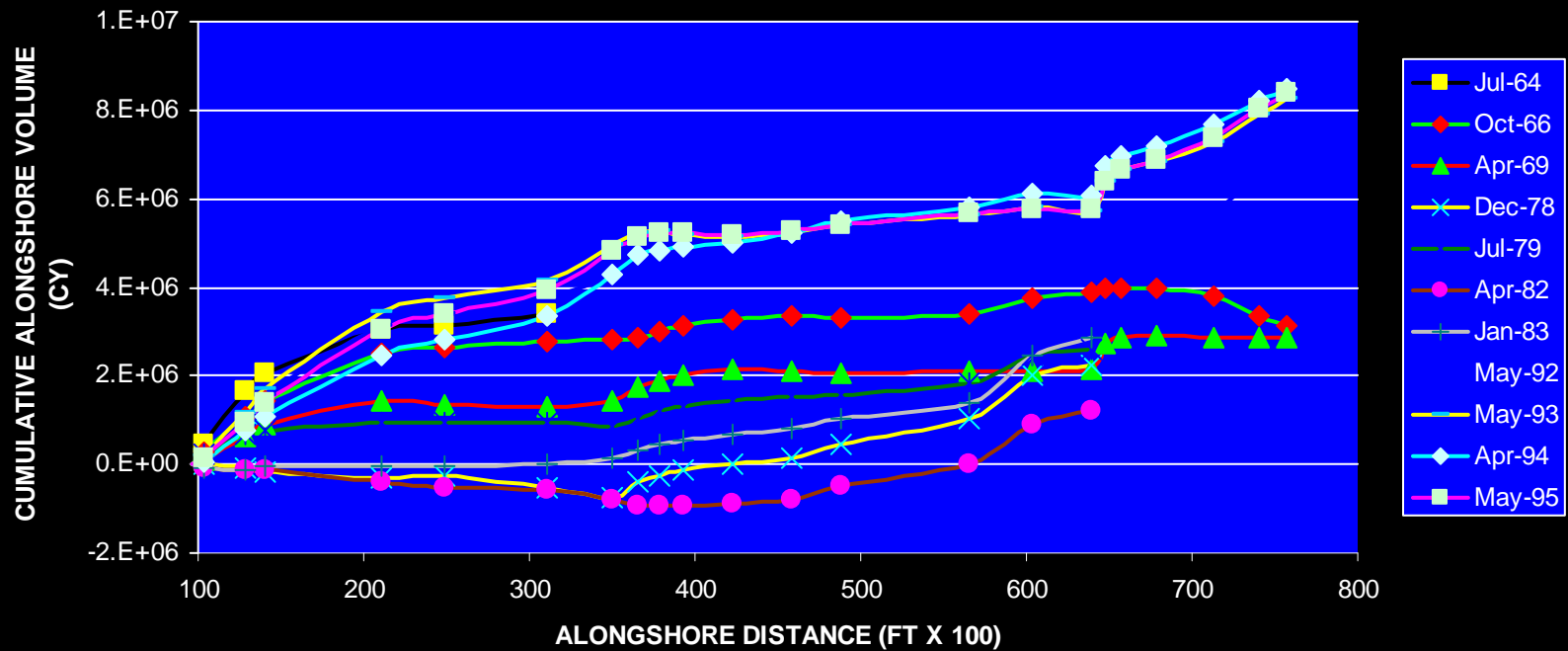


Beach Fill History

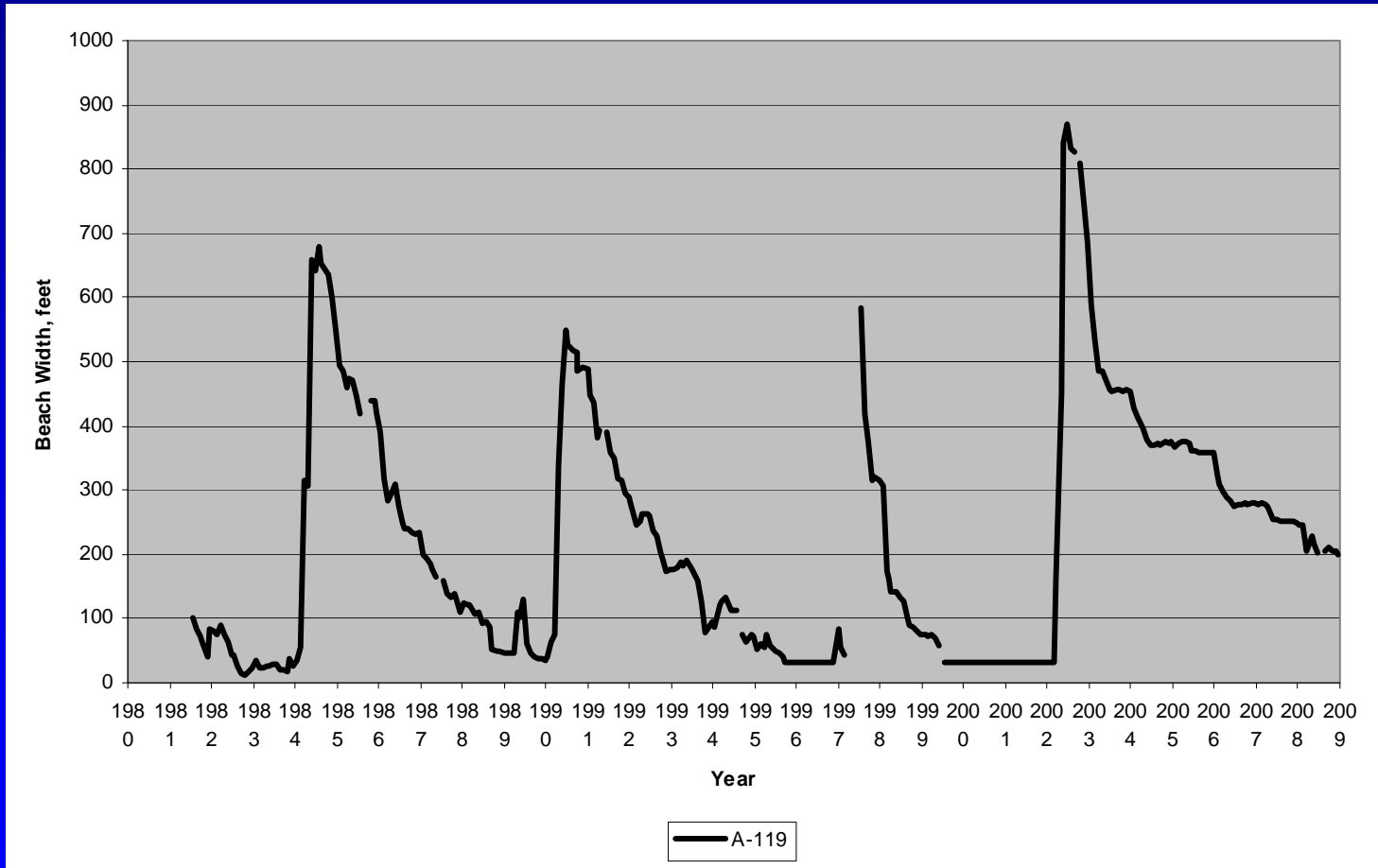
Date	Volume (cy)	Cumulative Volume (cy)	Source
June 1964	4,000,000	4,000,000	Upland
May 1971	2,260,000	6,260,000	Upland
June 1979	1,644,000	7,904,000	Offshore
May 1983	400,000	8,304,000	Channel
April 1984	1,500,000	9,804,000	Offshore
April 1984	783,000	10,587,000	Upland
March 1989	180,000	10,767,000	Channel
June 1990	1,300,000	12,067,000	Offshore
Sep 1990	522,000	12,589,000	Offshore
July 1997	1,630,000	14,219,000	Offshore
May 2002	2,233,000	16,452,000	Offshore

Field Data Collection

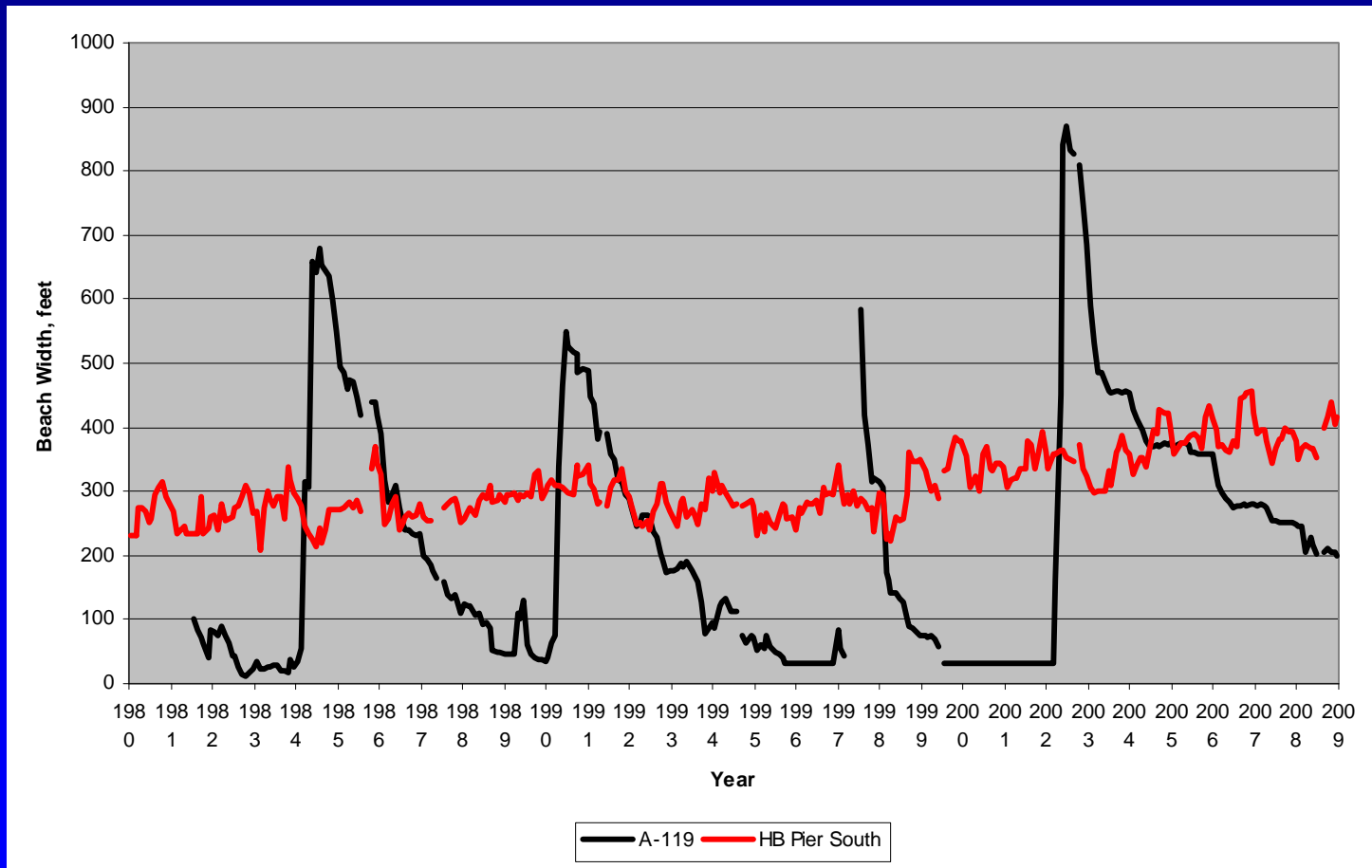
CONTROL VOLUME: BACKSHORE TO -20 FT CONTOUR
RELATIVE TO MAY 1963



Beach Widths



Beach Widths



Stage 12

“So, what have you done for me lately?”



Surfside Beach Fill



Hydraulic Dredge



Beach Fill



Stage 12 Funding

- Total Project Cost \$14,500,000
- Federal Cost (67%) \$9,715,000
- Non-Fed Cost (33%) \$4,785,000

- Seal Beach \$925,000



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