

Updated Regional Sediment Management San Francisco Bay



Overview

- Regional Sediment Management - What it is
- LTMS Twelve Year Review and Current Status
- Ongoing Regional Sediment Management Efforts



Regional Sediment Management

RSM is the integrated management of ocean, estuary, and river sediments to achieve balanced and sustainable solutions to sediment-related needs. It recognizes sediment as a resource, and involves making local project decisions in the context of the sediment system and forecasting the long-rang implications of management actions.

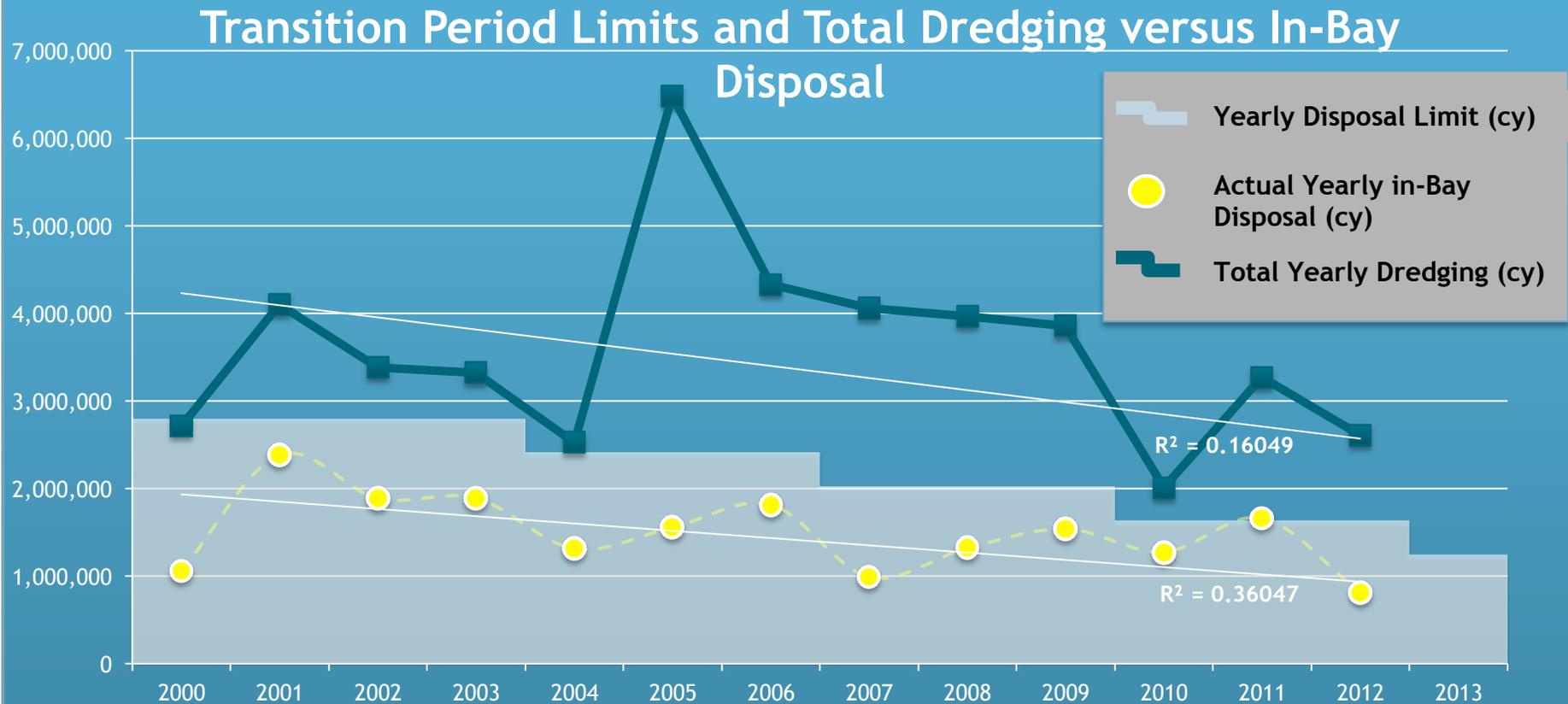




Photo: Brian Ross, USEPA



12 Year Review: Dredging Community Met the Targets (2000 – 2013)



12 Year Review - Key Finding:

- Beneficial Reuse: 20 mcy (42% of total volume)
- In Bay disposal: 20 mcy (42% of total volume)
- SF DODS disposal: 8 mcy (16% of total volume)



12 Year Review - Key Findings:

- Maximizing beneficial reuse of dredged sediment is even more important now, due to sea level rise and reduced sediment inputs, and the need to sustain habitat and shorelines.
- Ocean disposal is less desirable because it wastes sediment and reduces the amount of sediment that could be reused.
- The USACE's federal standard remains an issue.



LTMS Moving Forward

- 2014 / 2015
 - In-Bay: 57% / 41%
 - Ocean: 6 % / 28%
 - Beneficial Reuse: 37% / 31%
- NOAA Amended Biological Opinion



Regional Sediment Management Efforts

- Large sediment “modifiers”
 - Dredging
 - LTMS
 - Sand Mining
 - Programmatic examination of effects, permitting
 - Flood Protection
 - Flood Control 2.0
 - Habitat Restoration - primarily marsh
 - Continued work with restoration community



Regional Sediment Management Efforts

- Examination of the science
 - Sediment Science Priority workshop
- Development of sand budget, evaluation of Central Bay beaches and shorelines
 - Central Bay RSM plan - draft form



Regional Sediment Management Efforts

Flood Protection - Flood Control 2.0

- Evaluation of creeks and tributaries
- Examination of records of sediment removed
- Developing innovative design to reconnect systems

Habitat Restoration

- Planning and coordination of projects
 - pre-permitting
- SediMatch



Thank you

