San Francisco Littoral Cell

Coastal Regional Sediment Management Plan

Public Meeting
Wednesday, December 2, 2015, 6-8 pm
Pacifica Community Center

Welcome and Introductions

Meeting Objectives

- Provide overview of Coastal Sediment Management Workgroup (CSMW) and San Francisco Littoral Cell (SFLC) Coastal Regional Sediment Management Plan (CRSMP)
- Provide update on SFLC CRSMP development process
- Discuss next steps, including public review of Draft CRSMP
- Share information about other local efforts
- Answer questions from attendees

Agenda

Time	Topic
6:00	Welcome, Introductions, Agenda Review
6:10	Overview of CSMW and SFLC CRSMP
6:30	SFLC CRSMP Development to Date, and Next Steps
6:50	Discussion
7:50	Closing Remarks
8:00	Adjourn

Proposed Ground Rules

Please:

1. Focus your input on the meeting objectives
2. Honor the agenda and time limits for discussion
3. Interact respectfully
4. Turn off or silence cell phones

Overview of Coastal Sediment Management Workgroup and San Francisco Littoral Cell Coastal Regional Sediment Management Plan

Collaborative Taskforce

Who

Coastal Sediment Management Workgroup

California Natural Resources Agency

US Army Corps of Engineers

A collaborative taskforce of state, federal, regional, and local entities concerned about adverse impacts of coastal erosion on coastal habitats

CSMW

What

http://www.dbw.ca.gov/csmw/

CSMW

Why

CSMW

Eureka Littoral Cell
San Francisco Bay
San Francisco Littoral Cell
Santa Cruz Littoral Cell
Southern Monterey Bay Littoral Cell
San Luis Obispo County
Santa Barbara Littoral Cell
Los Angeles County
Orange County
San Diego County

Where

CSMW

THE CALIFORNIA COASTAL SEDIMENT MASTER PLAN
Status Report
PREPARED BY
California Coastal Sediment Management Workgroup
May 2012
http://www.dbw.ca.gov/csmw/default.aspx

How

CSMW

2016

1999

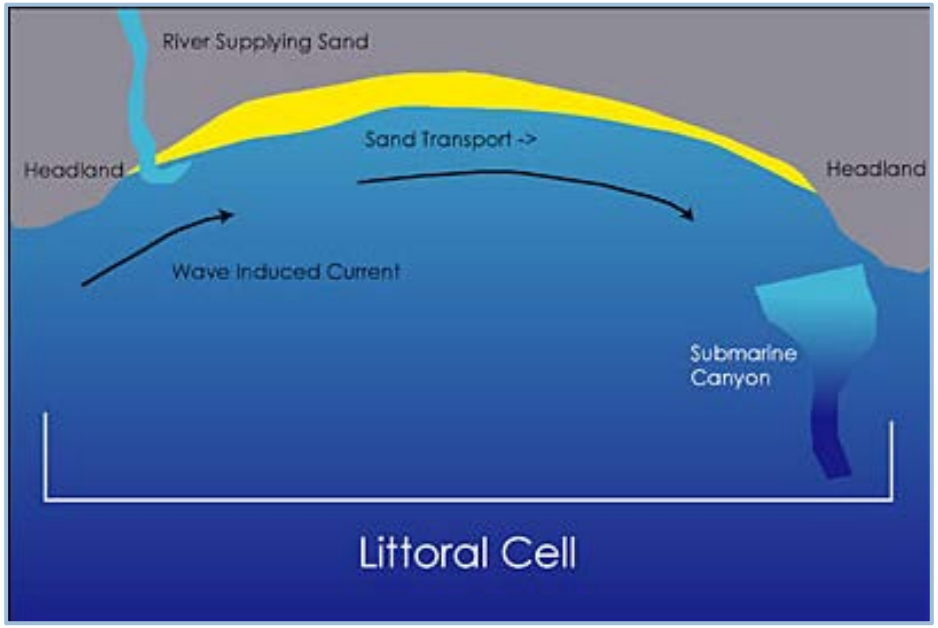
When

CSMW

CSMW Mission

California's coastal resources
by
developing and facilitating
regional approaches
to
managing sediment imbalances

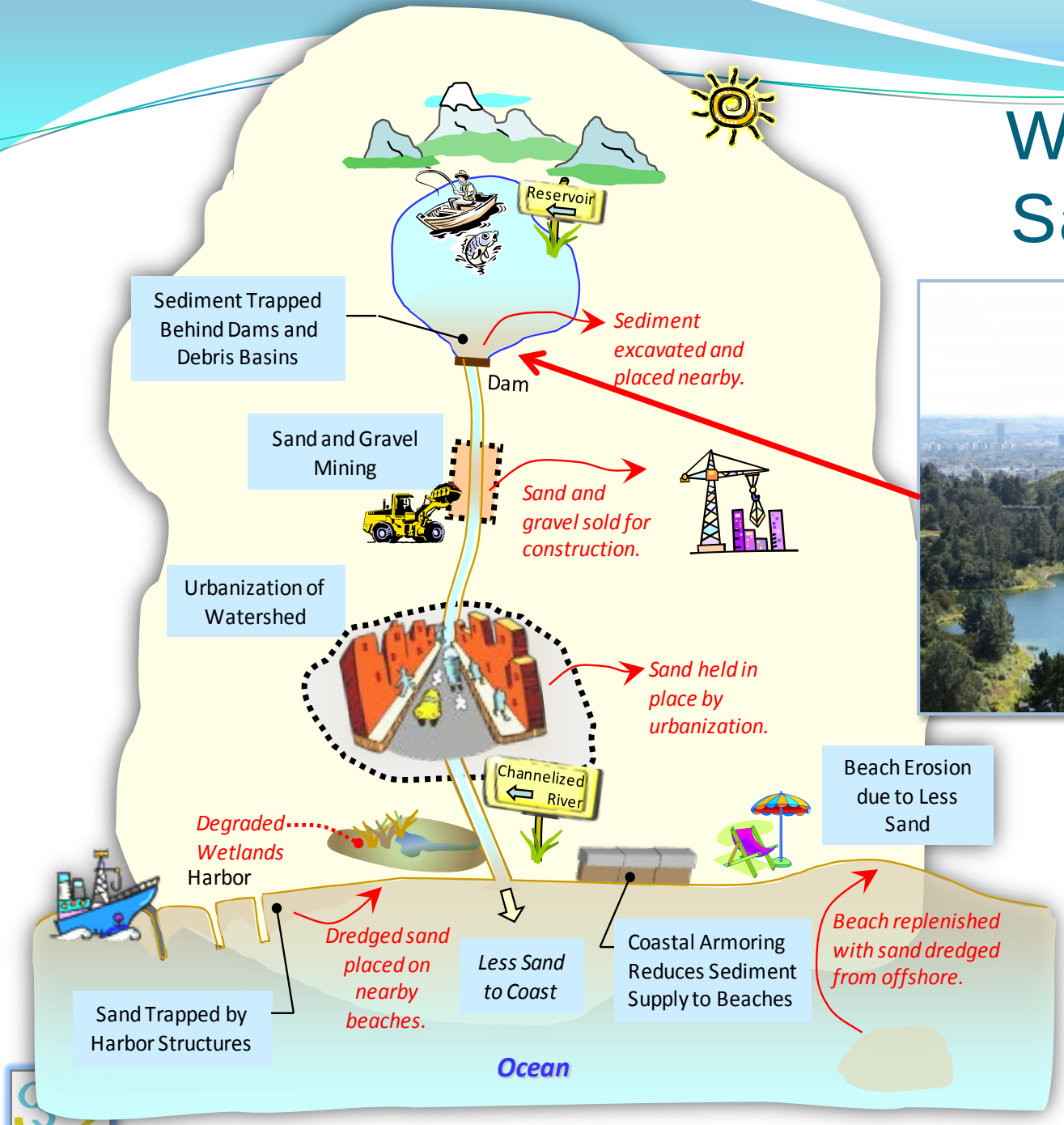
Littoral Cells and Beach Width

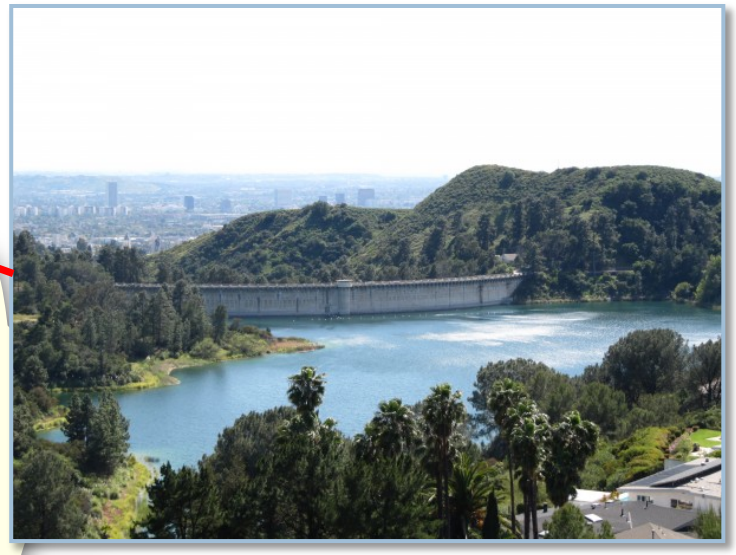


Sources of Sand	Sinks for Sand	Balance
Longshore Transport in	Longshore Transport out	Accretion
River Inputs	Offshore Transport	Erosion
Sea Cliff or Bluff Erosion	Dune Growth	Equilibrium
Gully Erosion	Sand Mining	
Onshore Transport	Submarine Canyons	
Dune Erosion		
Beach Nourishment		

Source- Patsch, 2007

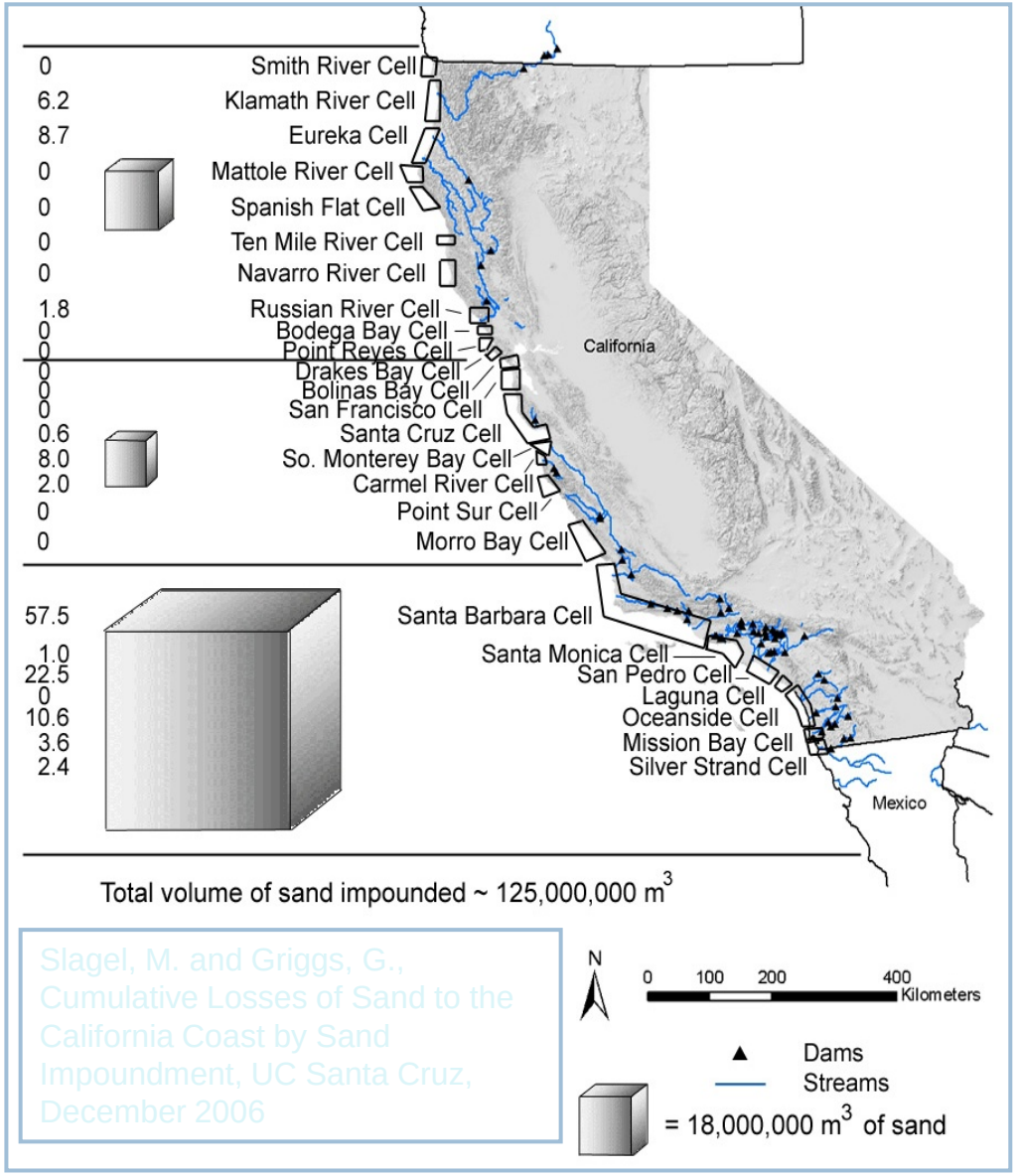
Where is the Sand going?





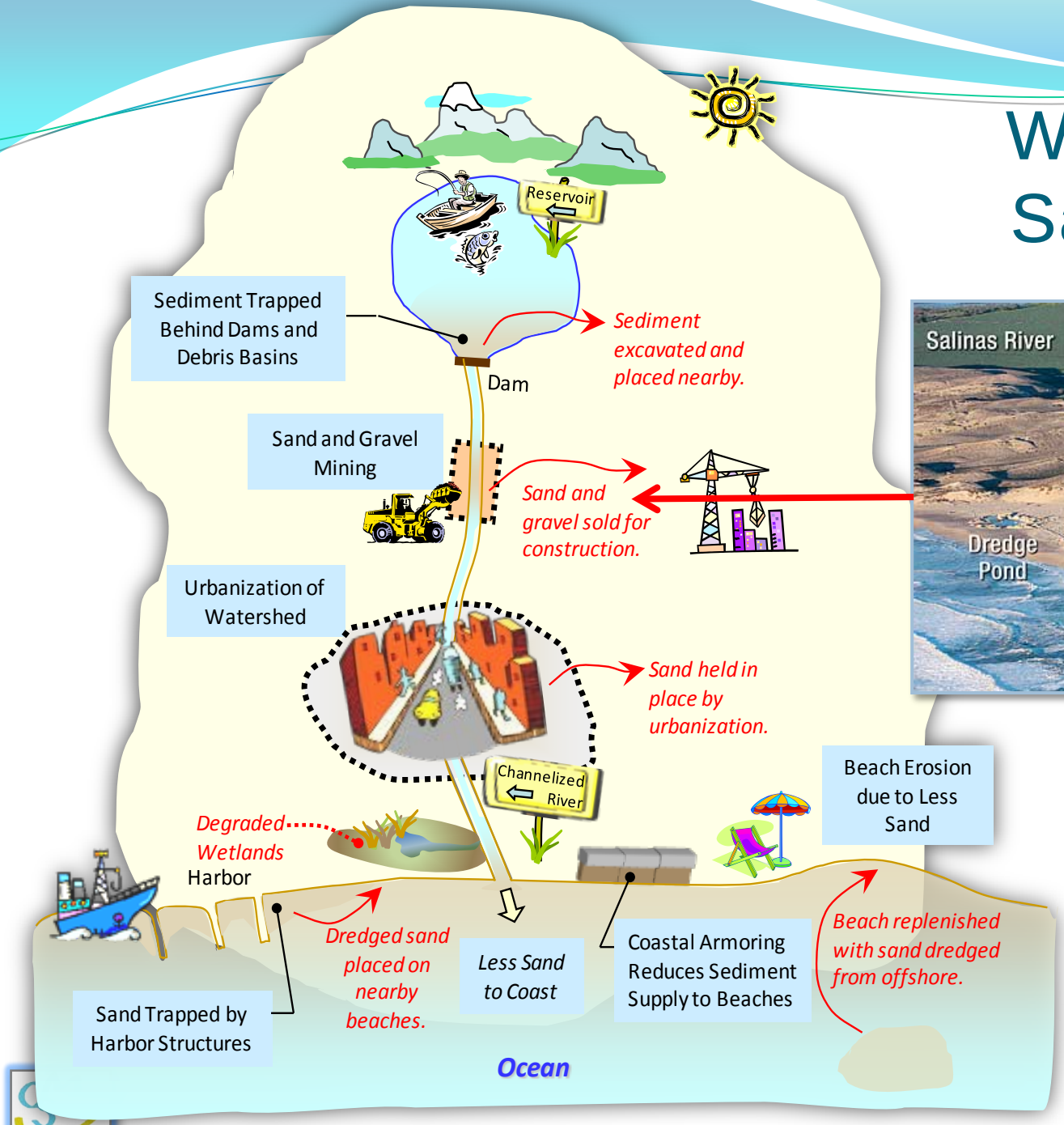
Source: CSMW Brochure

Sand Impoundment by Dams



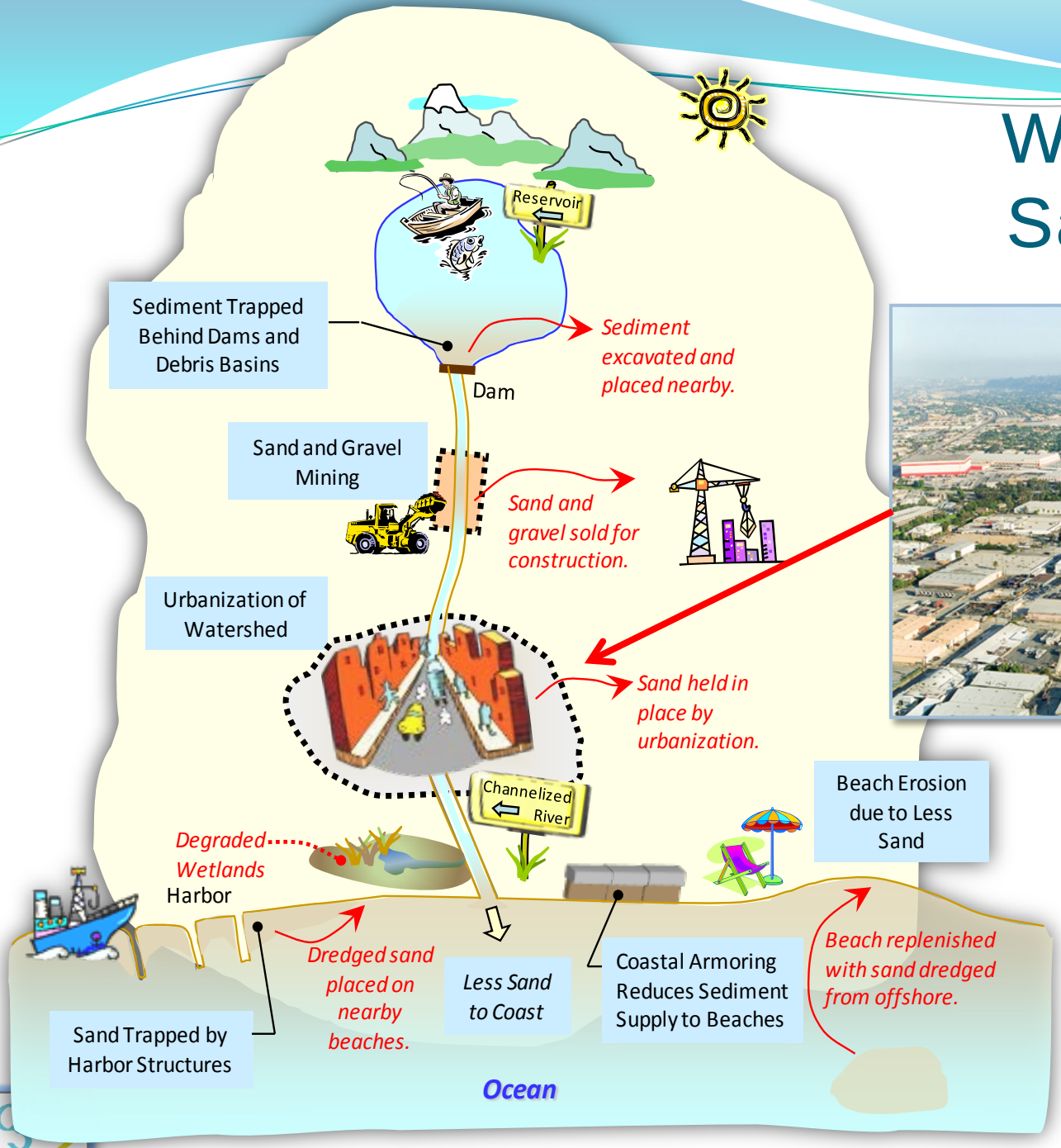
Slagel, M. and Griggs, G., Cumulative Losses of Sand to the California Coast by Sand Impoundment, UC Santa Cruz, December 2006

Where is the Sand going?



Source: CSMW Brochure

Where is the Sand going?

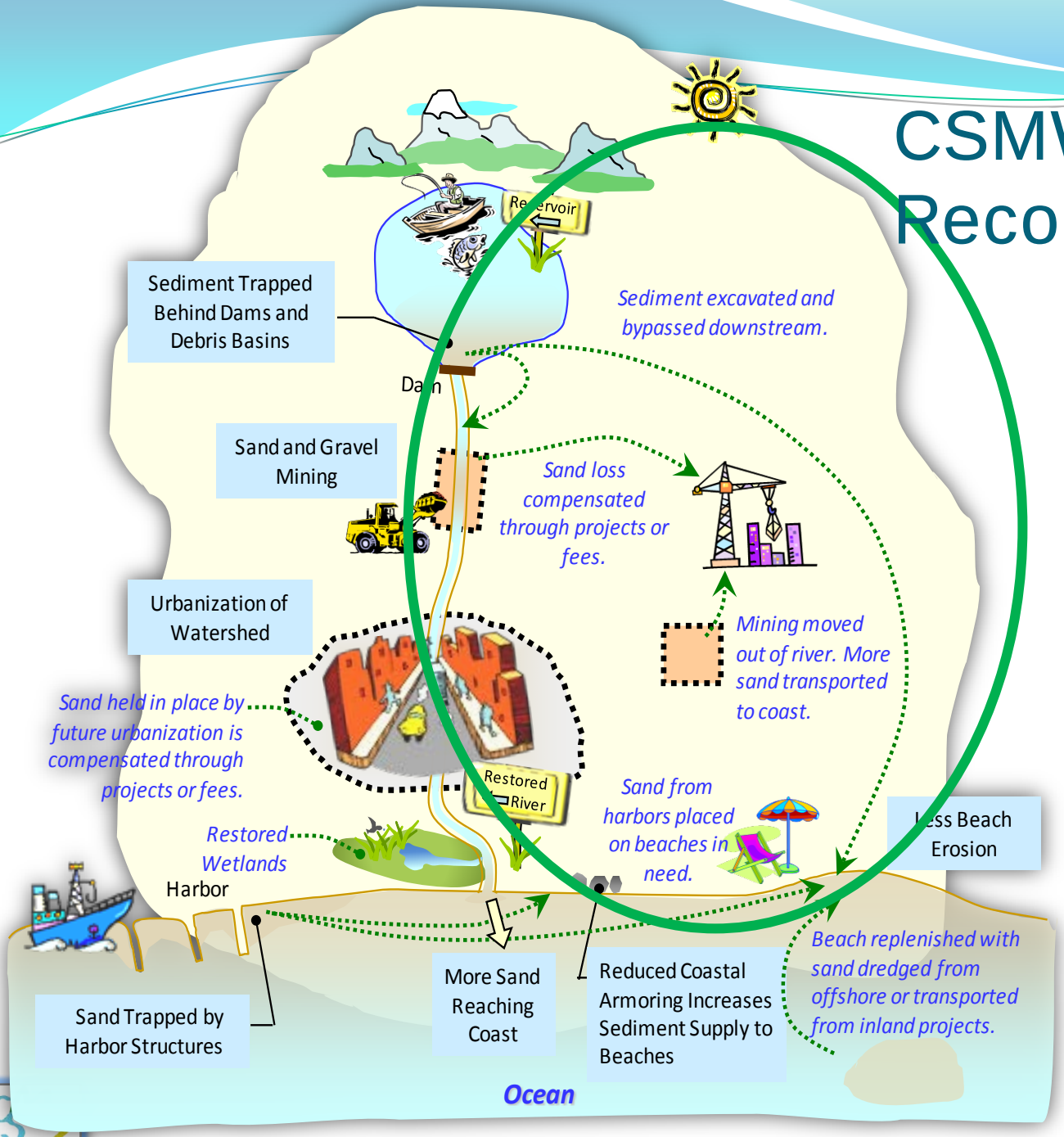


Source: CSMW Brochure

Where is the Sand going?

Source: CSMW Brochure

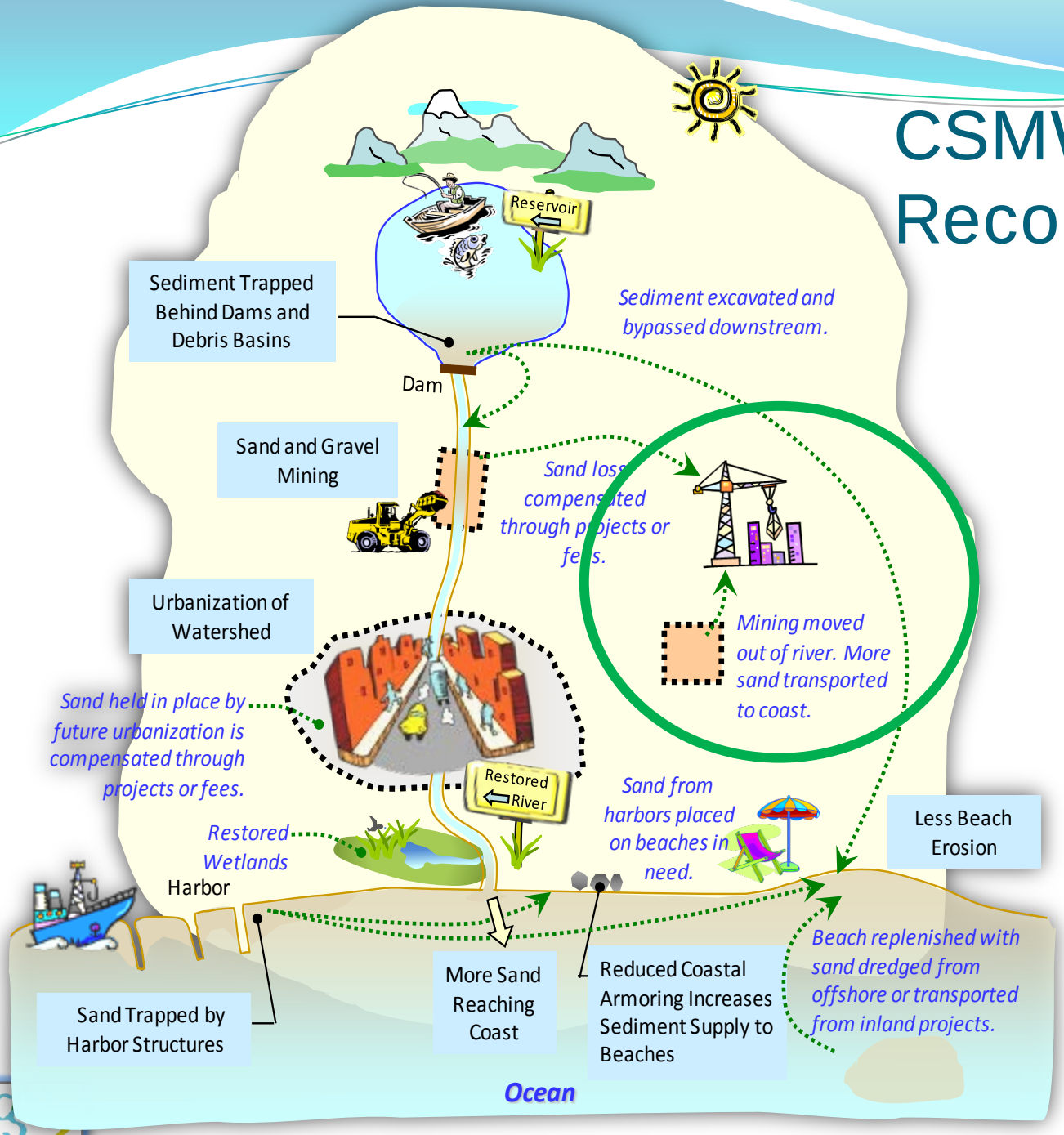
CSMW Recommendations



Sediment excavated and bypassed downstream

Source: CSMW Brochure

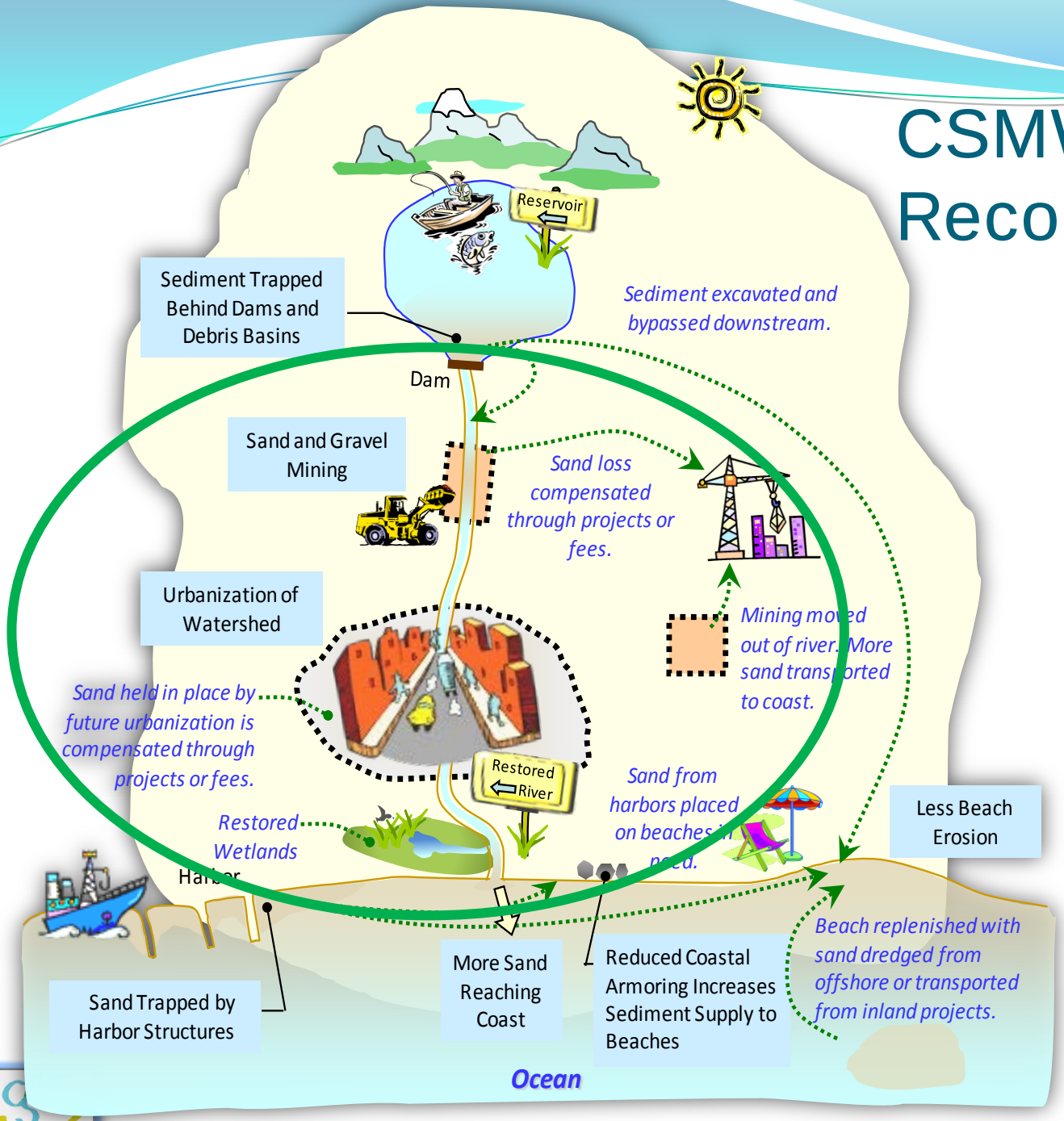
CSMW Recommendations



Sand Mining moved out of the river (or beach)

Source: CSMW Brochure

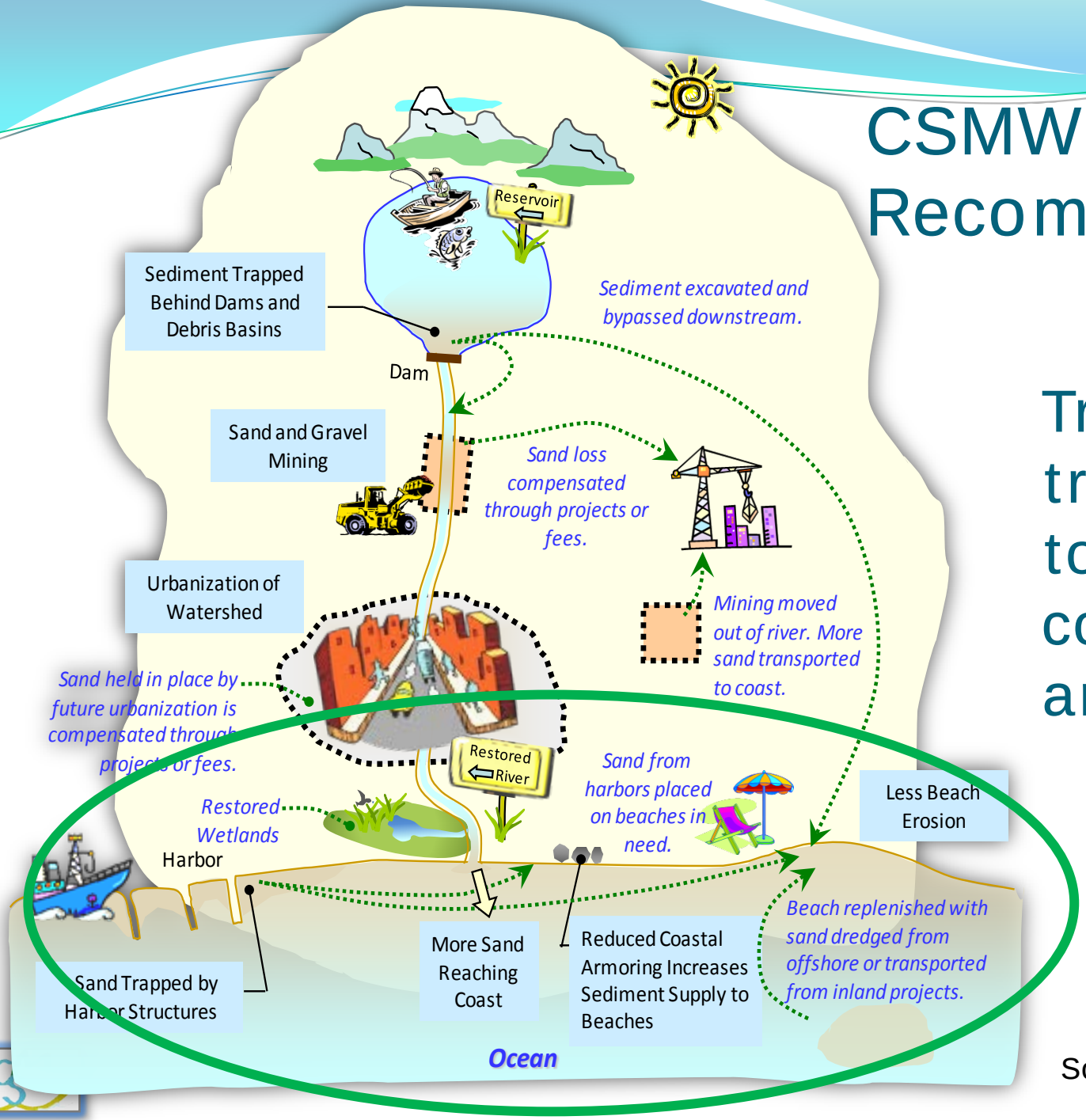
CSMW Recommendations



Sand lost compensated by placement or fees

Source: CSMW Brochure

CSMW Recommendations



Trapped sand transported to erosion concern areas

Source: CSMW Brochure

Coastal Regional Sand Management Plan Purpose

To develop comprehensive regional sediment management plans that provide sufficient information for decision makers to develop policies or execute management projects for the future vitality of the entire California Coast

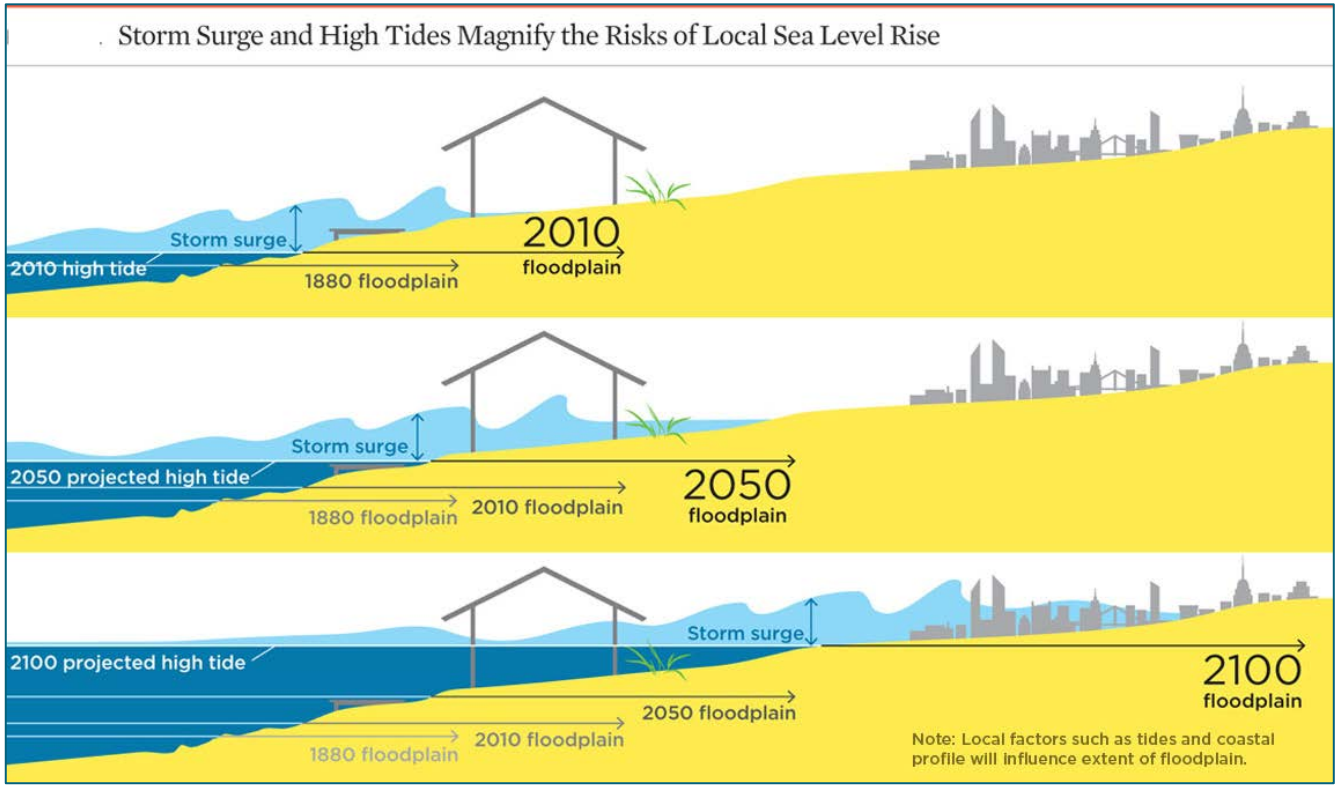
Why is Regional Sand Management Important?

- Need for and benefits of having a CRSMP for home owners, communities, cities, others
- Helps keep houses from washing away
- Improve and maintain safety of public access

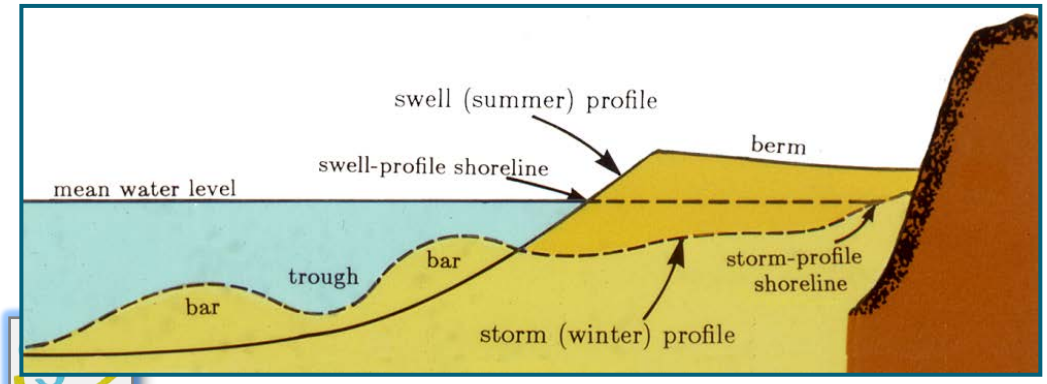
Why is the SFLC CRSMP important to local jurisdictions?

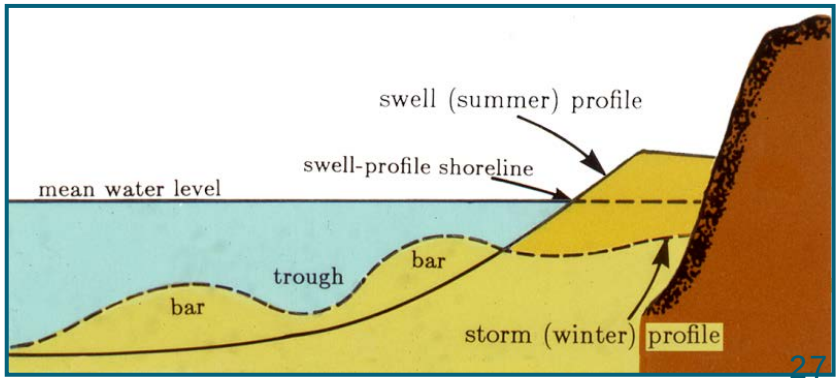
- Supports regional management of sand where sand is moving from one jurisdiction to another
- Economies of scale
- Access to more funding
- Coastal Commission and Coastal Conservancy looking to include RSM within LCP updates

Sea Level Rise



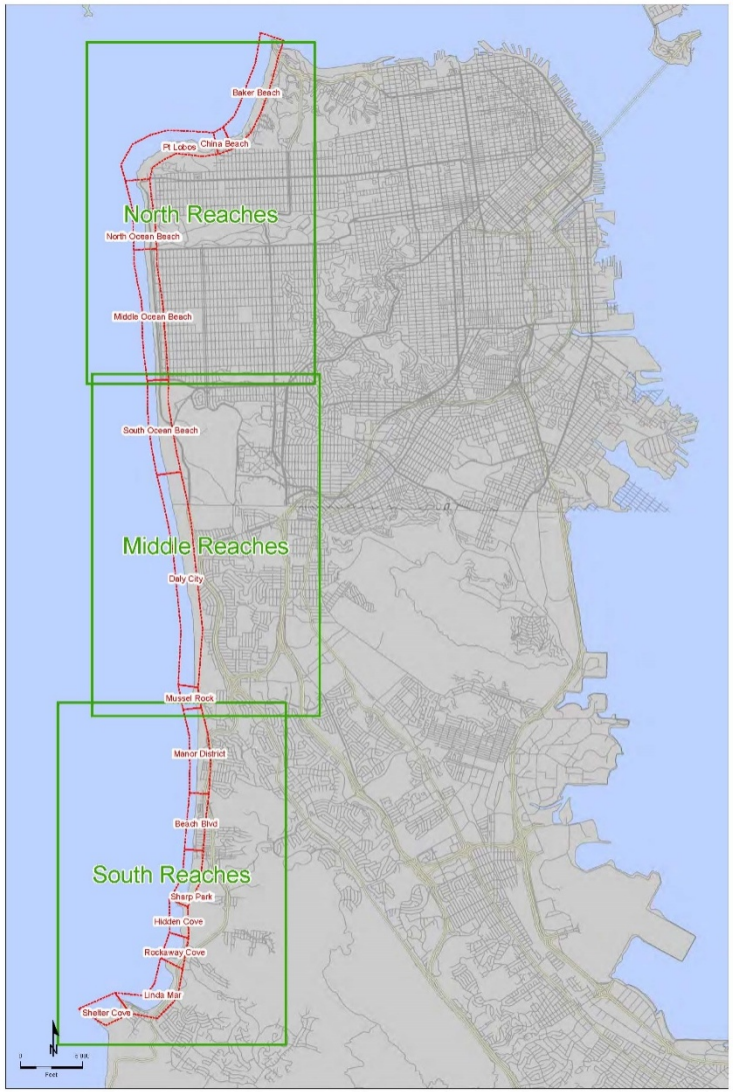
Union of Concerned Scientists2015





SFLC CRSMP Development to Date and Next Steps

San Francisco Littoral Cell CRSMP



Draft SFLC CRSMP

- Key information included in the Plan
- What is *not* in the plan (e.g. not a list of pre-approved projects)
- How this information links to other coastal programs and planning, e.g.:
  - Local Coastal Programs
  - Sea Level Rise
  - Resiliency
  - SF Bay CRSMP (BCDC)

Contents of Draft Plan

Executive summary

1. Introduction
2. Scope of work
3. Regional setting and processes
4. Erosion and coastal hazards
5. Addressing erosion locations
6. Economics and funding
7. Governance
8. Monitoring and reporting
9. Recommended next steps
10. Conclusions

Draft Plan - Appendices

Appendices

A. Geomorphic modeling
B. Detailed coastal hazard map
C. Biological assessment
D. Coastal policy analysis
E. Potential funding sources assessment
F. Economic analysis

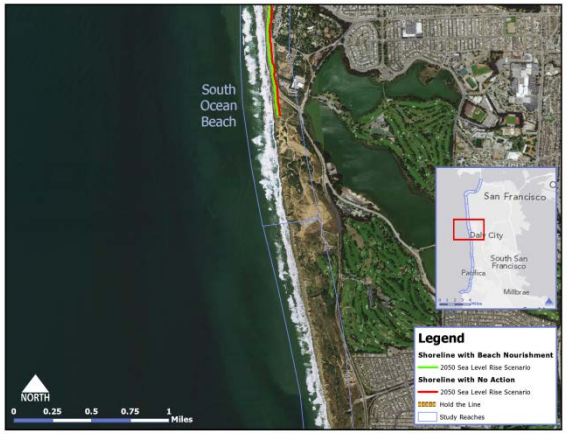
Plan Development Process to Date

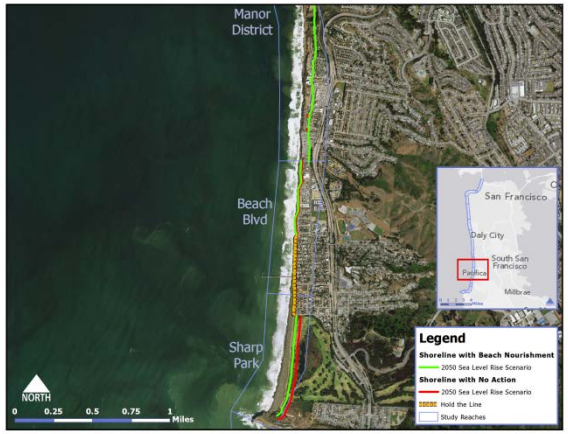
- Engagement – 2012
  - Public meetings/workshops
  - Stakeholder Advisory Group meetings
  - Municipal workshop
  - Meeting with City of Pacifica staff
- Preliminary Draft Plan developed Fall 2015
- Project hiatus
  - Focus on governance
  - Need for additional funding (engagement transferred from ABAG to Kearns & West)

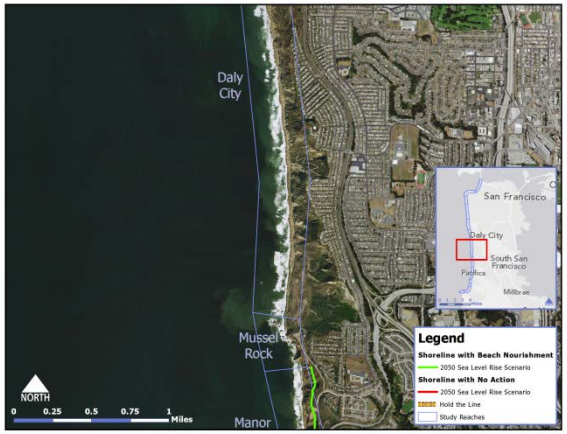
How Previous Comments Were Addressed

Issues of Concern	How addressed in draft Plan
Hazard-zone maps created public concern	• CLARIFIED THAT THE PLAN IS A GUIDANCE DOCUMENT
Perception that Plan prescribes cities' courses of action	• POSSIBLE EROSION RESPONSES ARE BASED ON STANDARD COASTAL ENGINEERING PRACTICES
Impact on Sharp Park Golf Course	
Impact on wastewater facilities	• ACTUAL COURSES OF ACTION WILL BE DECIDED BY THE COMMUNITIES

Sea Level Rise Scenarios







Next Steps to Complete Draft Plan

- Governance is the final component of the plan to be completed

  Kearns & West currently coordinating with jurisdictions to develop draft governance recommendations for inclusion in the Public Draft SFLC CRSMP

Next Steps in the SFLC CRSMP Process

- Draft SFLC CRSMP due out for public review on Jan. 4 (30-day review period)
- Public meetings in January to solicit input on Draft
- Meeting in January with jurisdictions to discuss governance
- CSMW will incorporate public comments into final version of Plan

Discussion

Thank You!

Contact

www.sfestuary.org/coastal-regional-sediment-management-plan-2015-16

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