Cardiff State Beach Living Shoreline Project (Case No. 16-144)

Citizen Participation Plan – Neighborhood Meeting
July 19th, 2016

Presented by:

Coastal Conservancy

San Elijo Lagoon CONSERVANCY

Encinitas

moffatt & nichol

Meeting Goals & Format

Goal – Receive your input on the proposed project

Format:

- 20 min Presentation
- Q&A

Presenters & Panelists:

Kathy Weldon – City of Encinitas, Shoreline Program Manager

Brian Leslie – Moffatt & Nichol, Coastal Scientist

Evyan Borgnis – California State Coastal Conservancy, Project Manger

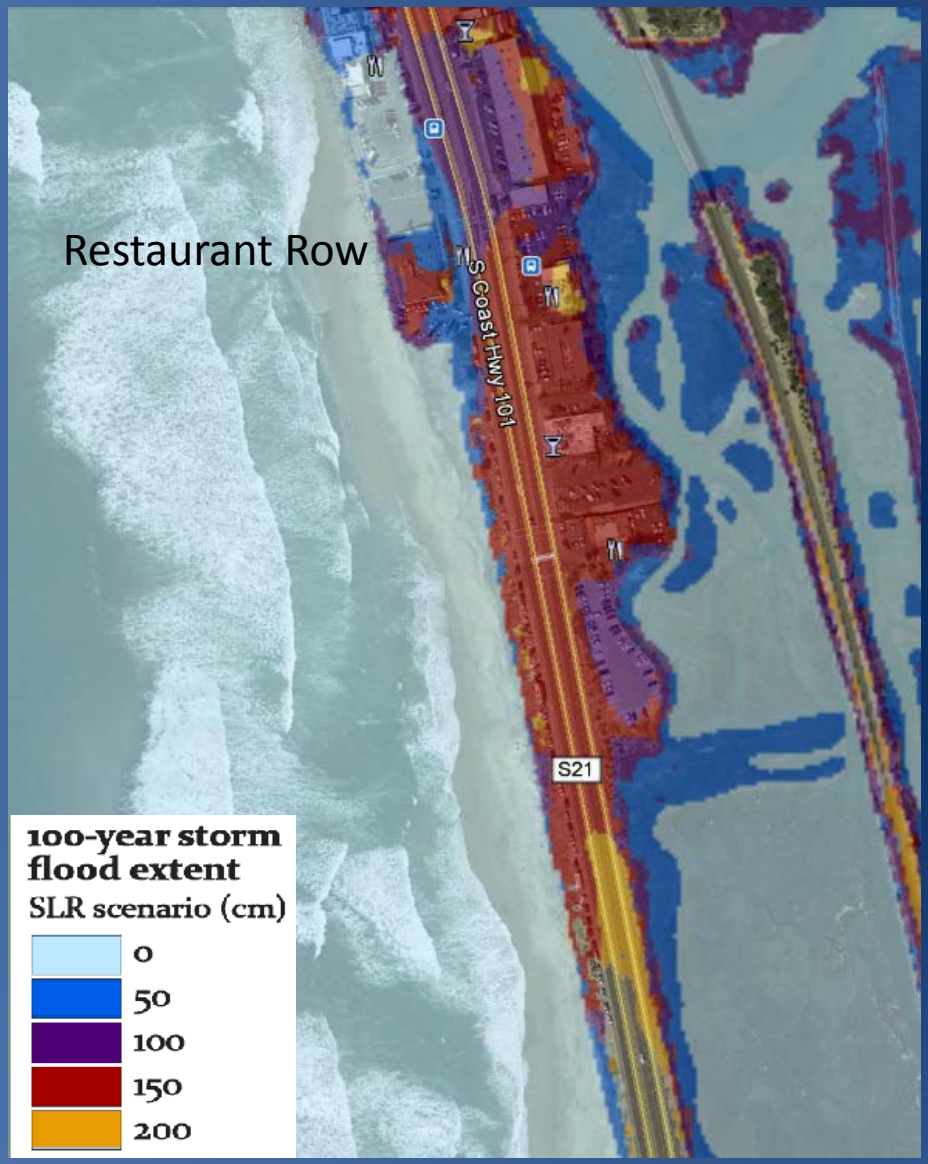
Barry Lindgren – San Elijo Lagoon Conservancy

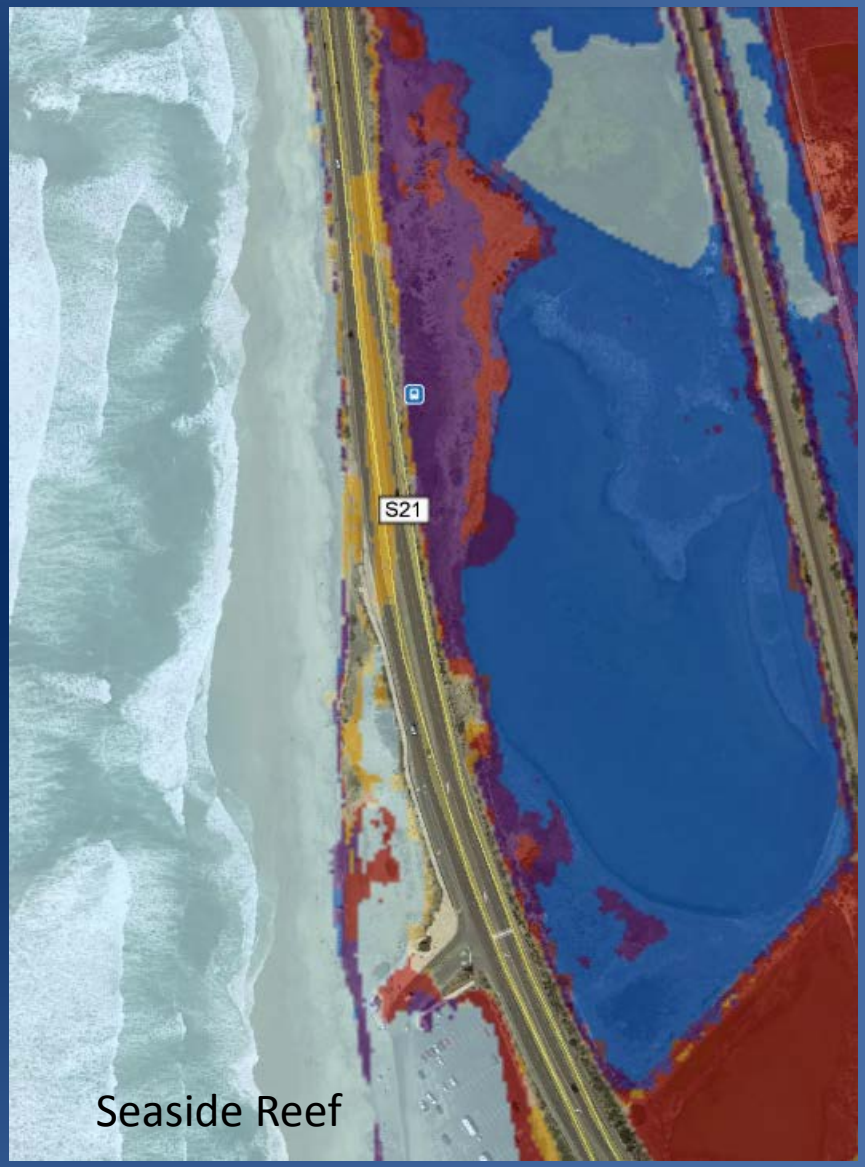
Project Goals

1. Protect HWY 101 from <u>current</u> and <u>future</u> coastal hazards
2. Restore historic dune habitat
3. Re-use sand export from San Elijo Lagoon dredging
4. Dunes / living shoreline education

Coast Hwy 101 Vulnerability

Sea Level Rise Vulnerability





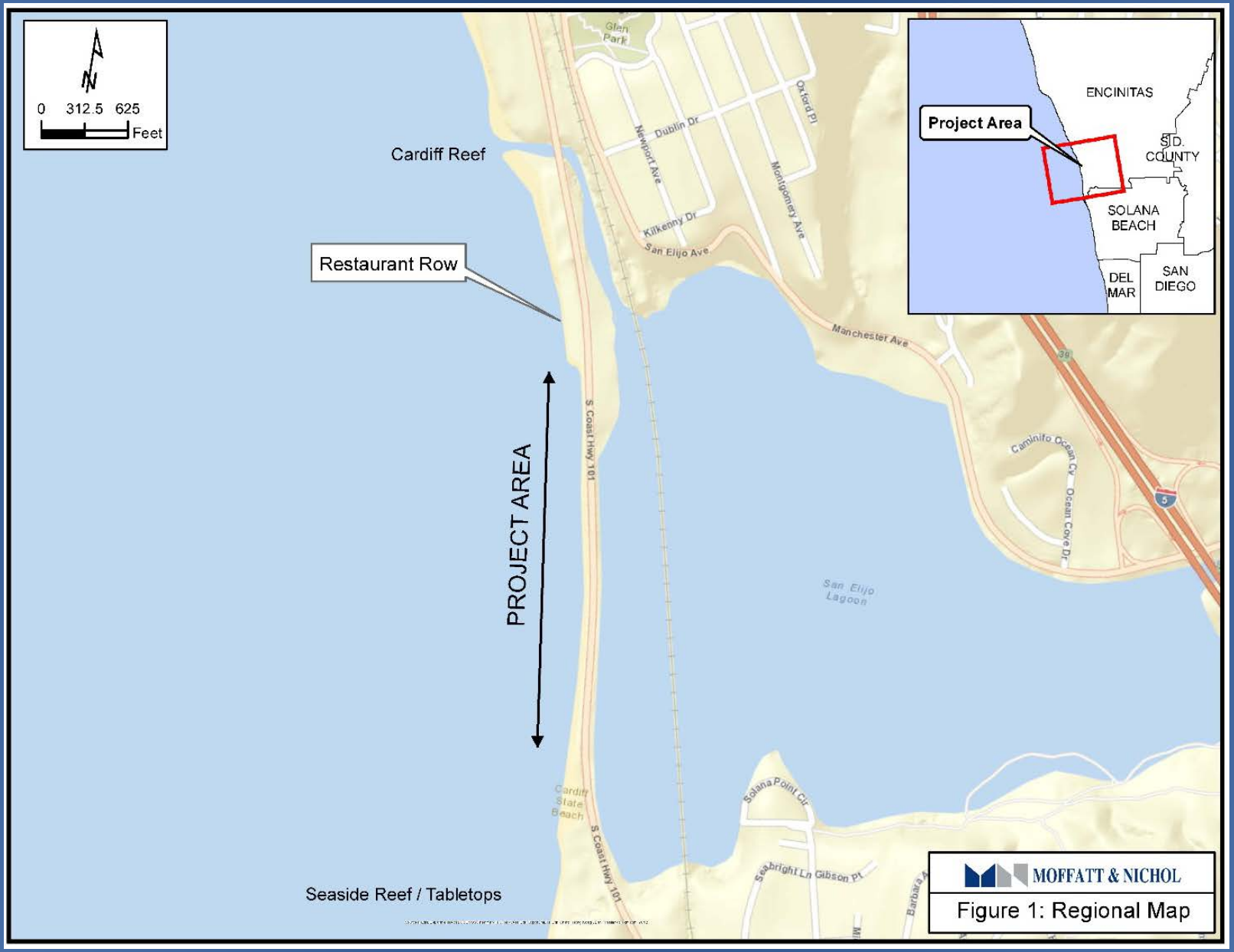
Source: USGS et al. CoSMoS 3.0

Beneficial Re-use of Sand from San Elijo Lagoon

Project Team & Stakeholders

- City of Encinitas
- California Parks and Recreation
- Coastal Conservancy
- California Coastal Commission
- San Elijo Lagoon Conservancy
- U.S. Fish and Wildlife Service
- U.S. Army Corps of Engineers
- SANDAG
- Surfrider
- Scripps Institution of Oceanography
- Climate Science Alliance
- San Diego Climate Collaborative

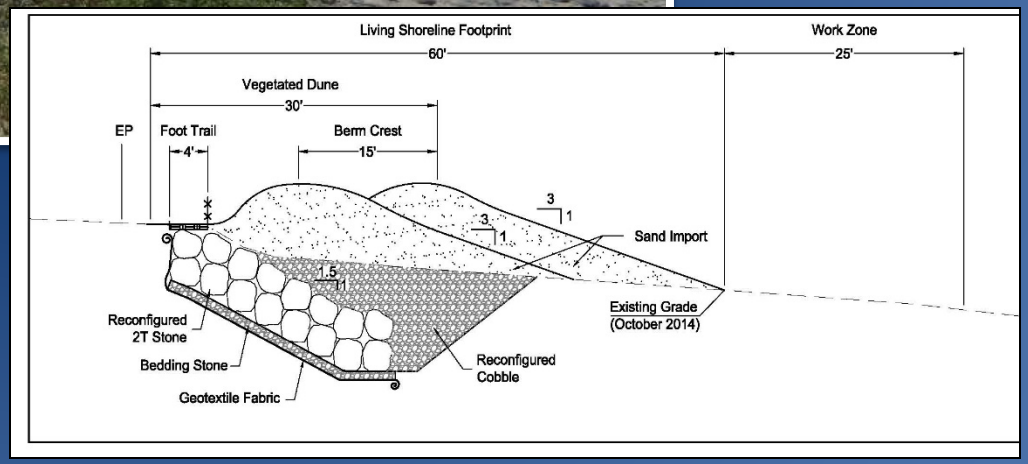
Project Area



Proposed Project Elements

1. Reconfigured / Repaired Rip Rap
2. Sand Dune
3. Dune Habitat
4. Dune Protection
5. Pedestrian foot path
6. Education & Outreach
7. Maint. & Monitoring

Project Element - Rip Rap Re-Configuration



Project Element – Sand Dune

- Crest Elevation Varies
  - Northern reach ≤ 4 feet above Highway 101 crown
  - Southern reach ≤1.5 feet above Highway 101 crown

Project Element – Dune Habitat Protection: Symbolic Fencing & Beach Access

- Access weighted toward north
- 9 total access points
- 1 ADA access point

Project Element – Pedestrian Footpath

- 5 foot wide path along west end of roadway
- Decomposed granite (or similar)
- Coastal commission funded element

Project Element – Dune Habitat

Project Element – Education & Outreach

- Students participate in a beach clean-up as part of 5th grade watershed curriculum.

- SELC's education programs encourage students to observe their surroundings and make their own discoveries.

Project Element – Maintenance & Monitoring

- Sand from lagoon mouth clearing
- SELC for plant establishment
- City / SIO for dune fate and transport

Schedule

COMPLETED:

- Project Feasibility Study (Feb. 2015)
- Final MND (Mar. 2016) Led by State Parks

ONGOING:

- Permitting (CCC, USACE, RWQCB, SLC, Parks ROW, City MUP)

NEXT STEPS:

- Final Engineering – October 2016 – March 2017
- Construction – Spring / Summer 2017
- Monitoring & Education – Through 2020

Thanks!