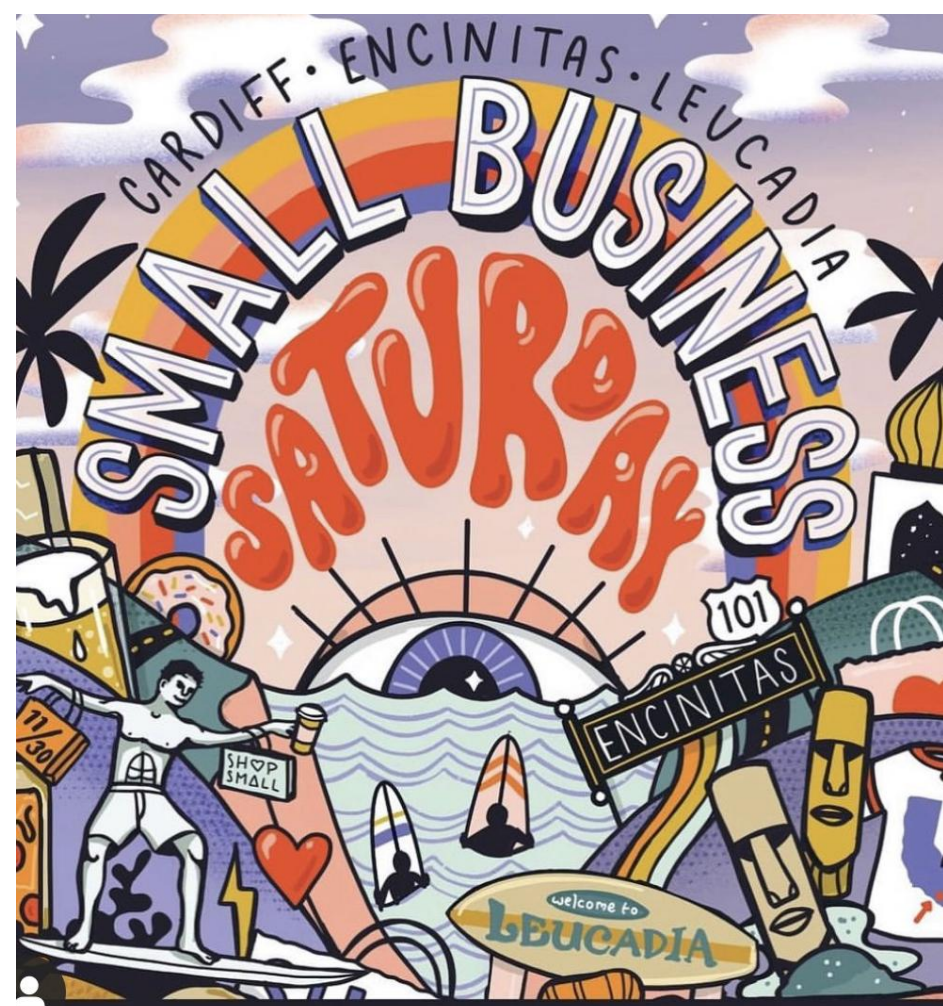


Sea Level Rise & Economy in Encinitas

Kellie Shay Hinze
Councilmember, City of
Encinitas



Art by Traci Sally Designs



Our local economy:

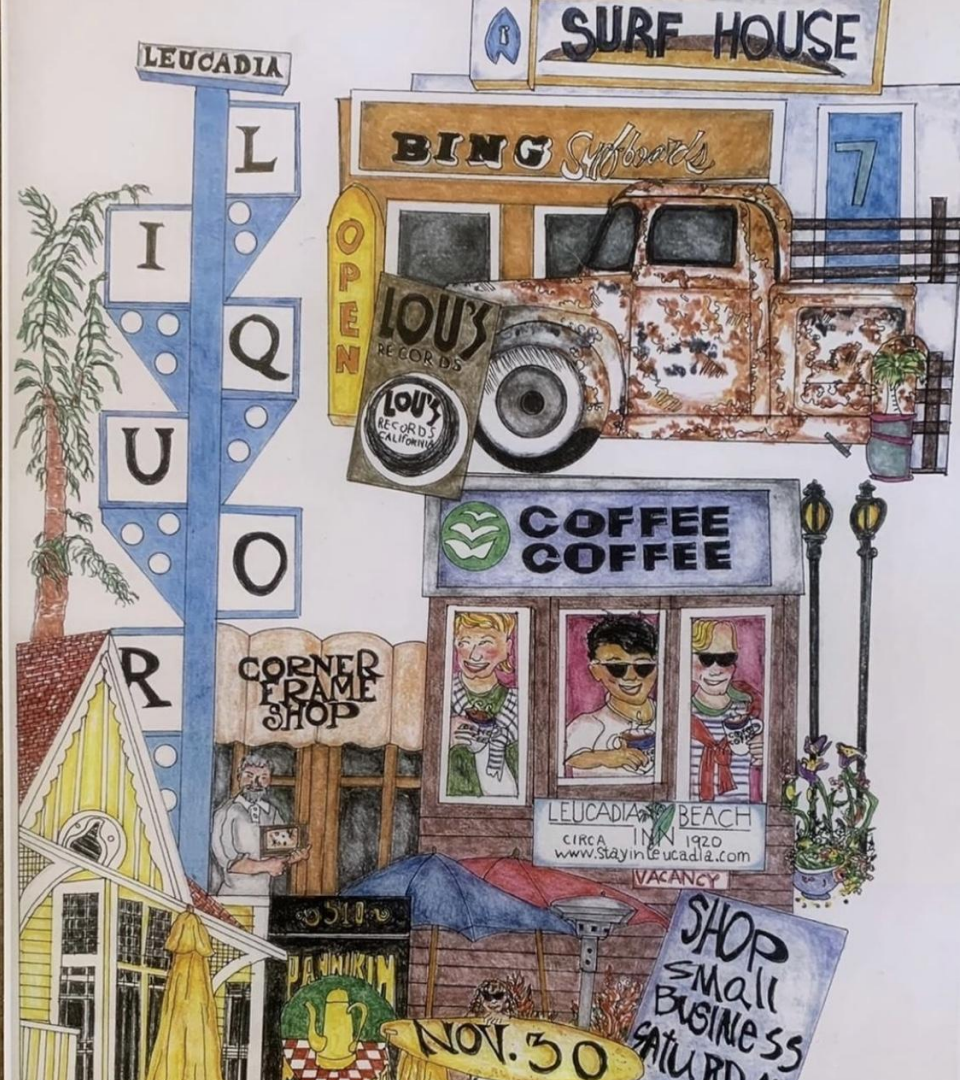
- Centers on Hwy 101 (coastal access road + business district)
- small family-owned businesses
- serving locals and visitors
- shore-focused (seafood restaurants, surf, active sports)
- auto-serving from 20th century to people-serving in 21st

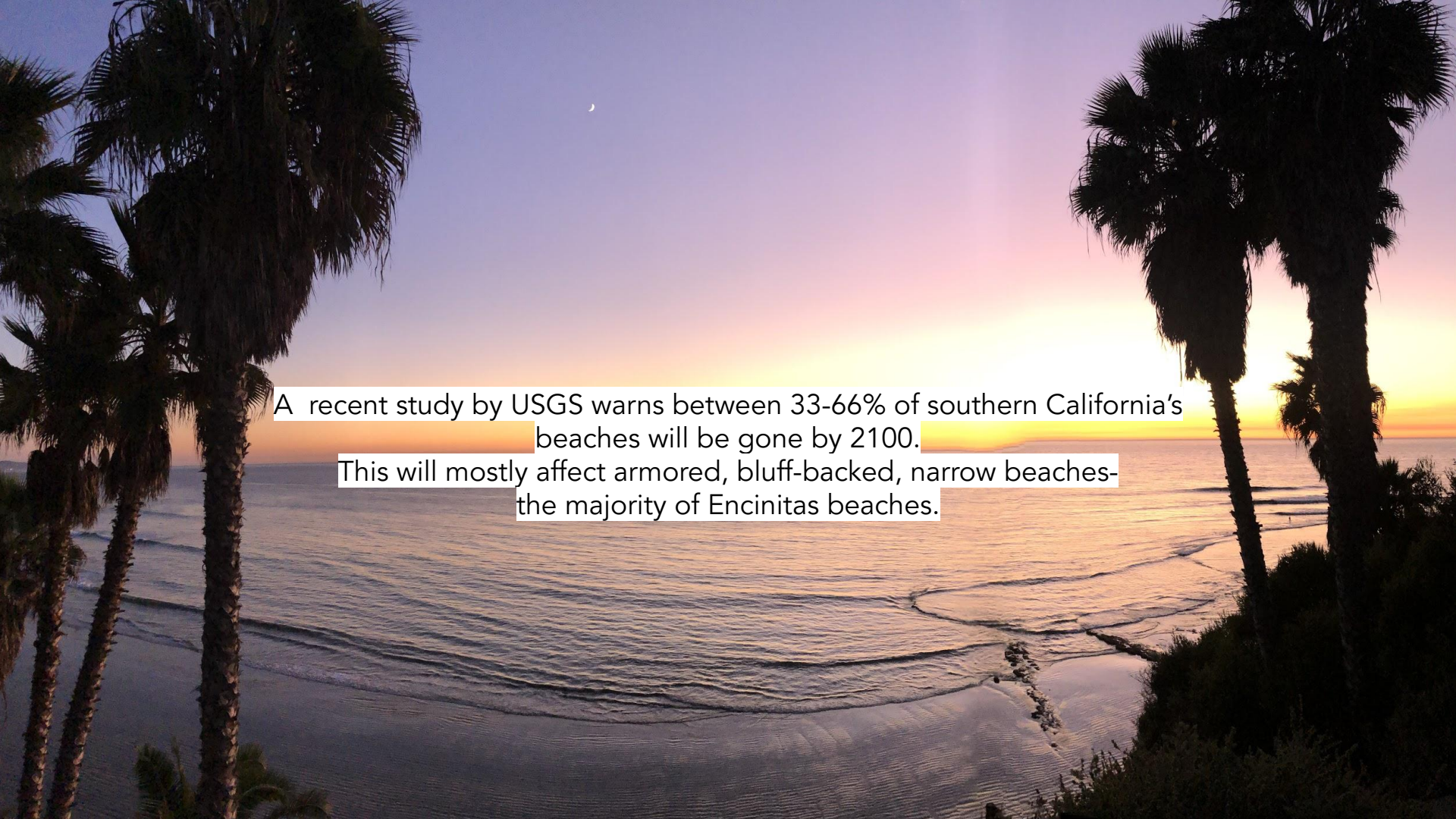
Folks come for the beach, stay for the food, fun and festivities.

Highway 101 is the 'town square' and the most important resource complimenting our ocean and beaches.

Highway 101 is the lifeblood to coastal access in Encinitas.

Art by Artie Mattson





A recent study by USGS warns between 33-66% of southern California's beaches will be gone by 2100.

This will mostly affect armored, bluff-backed, narrow beaches—the majority of Encinitas beaches.

2018 Stonesteps Longboard Contest



Challenge

Leucadia beaches are vulnerable:
Sea level rise means fewer opportunities to
recreate, exercise and interact with this precious
and threatened habitat of sandy beach
ecosystem. (Sand Pipers are here this year!)

Cardiff Living Shoreline:

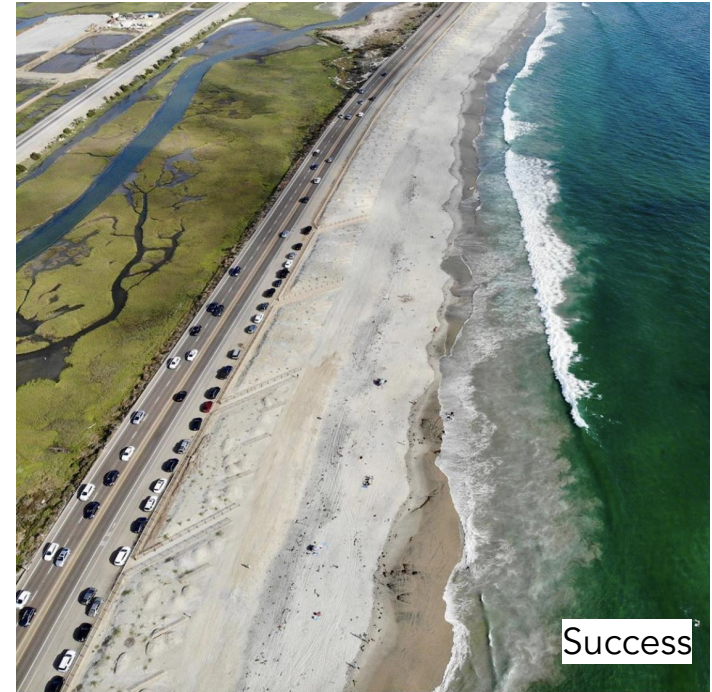
Engineered dunes are a
strategy to address
vulnerabilities and offer
multi-benefits:

Infrastructure protection

Replacement of historic
ecosystems

Improved coastal access
with a pedestrian walkway
adjacent.

Photo by Cody Steele



Success

How can we as local government plan, act + react?



Coastal Flooding 11/26

King tides mimicking sea level rise scenarios show us we will experience future increased losses in: service at State Parks parking lots, loss of beaches, loss of beach access.

Photos by Larry Giles
& Karen Legato



Inland flooding 11/28



Photos on the left courtesy of JP St. Pierre

Coastal erosion on Encinitas beaches



Jayne Timberlake
Coastal Zone Program Administrator, City of Encinitas
jtimberlake@encinitasca.gov 760-633-2632

- Coastal Zone Management Program
- Small Nourishment Projects
 - SCOUN
- Large Nourishment Projects
 - Coastal Storm Damage Reduction Project
- Ongoing Research
 - Informs decision making now and assists in planning for future adaptation



1) Coastal Storm Damage Reduction Project

This proposed project plans to place 340,000 cubic yards of sand initially and 220,000 cubic yards every five years after that for 50 years from approximately Beacons Beach to Boneyards. The public can reach out to the U.S. Army Corps of Engineers directly or their local representatives in the state and federal governments, and ask them to request the U.S. Army Corps of Engineers to allocate Pre-construction, Engineering and Design (PED) funds towards our Coastal Storm Damage Reduction Project.

Mitigate: Achieve our Climate Action Plan Goals

Adapt: Seek stakeholder input and interagency collaboration to maintain and IMPROVE access.

Prepare: Build resiliency into our capital improvement projects



**Instead of trading in my
car we purchased an
electric bike from
@thehatch.101 and we
are really starting to log
some miles!**



If you don't build it,
they will come (in cars).
If you build it,
they will buy bikes
(from local businesses,)
and bring their families to
the beach!



Photos courtesy of Heidi Ledger (left) and Erin Kennedy (right)



Livable Coastal access corridors are:

Town squares,

Malls,

Flea markets,

Farmers Markets,

Community Centers,

Safe routes to school

Senior centers,

Gyms,

Botanic Gardens,

Watering Holes, and MORE!

How our legislators can assist:

- Funds for vulnerable infrastructure, Caltrans Prioritization of regionally vulnerable infrastructure (San Elijo Lagoon Inlet Bridge)
- Eliminate barriers to beach access. E.g. Railroad tracks, no longer likely to permit at-grade crossings (CPUC)
- Fund collaboration by state agencies/universities to support, communicate and involve stakeholders with local government in proactive planning for sea level rise,
- Sediment management assistance and clarity on state-sponsored efforts for regional sediment management. Matching funds for cities to leverage Army Corps federal \$ for sediment projects. Contacts below:

The Office of Management
and Budget

Russell Vought, Acting Director

725 17th Street, NW
Washington, DC 20503

U.S. Army for Civil Works

The Honorable R.D. James
Assistant Secretary of the Army for Civil Works

108 Army Pentagon
Washington, DC 20310

Please take a moment to
interact with our local
beaches and then spend
your hard-earned money
here in our beautiful city!

Let me know if you would
like a restaurant
recommendation.

THANK YOU!

Kellie Shay Hinze,
Councilmember City of
Encinitas.
Khinze@encinitasca.gov

