

Santa Cruz West Cliff Public Engagement

June 7, 2023



Rules for Engagement

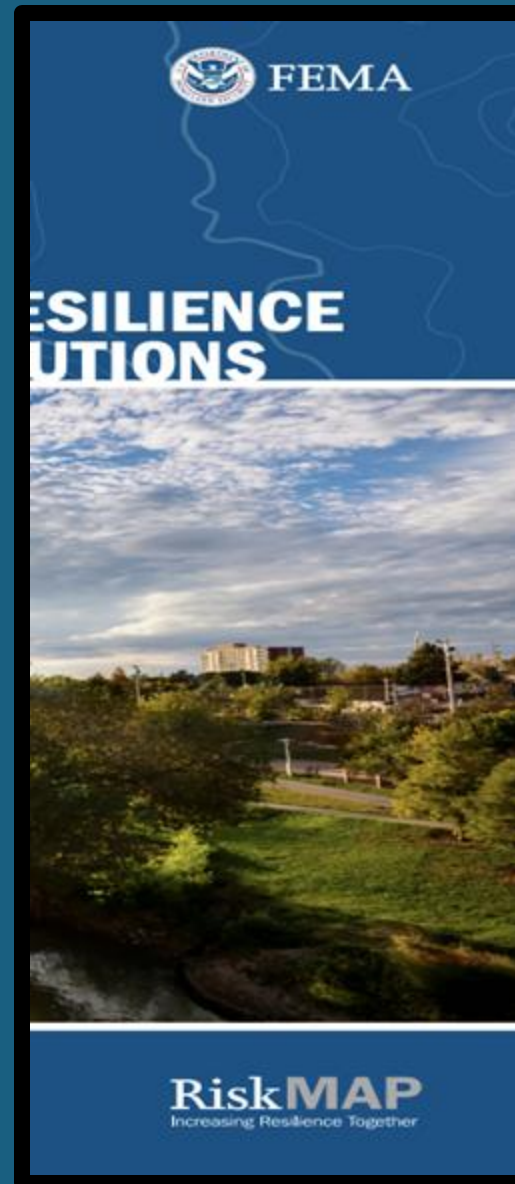
- Everyone is encouraged to participate. Take space and give space.
- Please identify yourself when you speak (state your name and where you live).
- Listen to and respect other points of view.

Dynamic Coast



Recovery

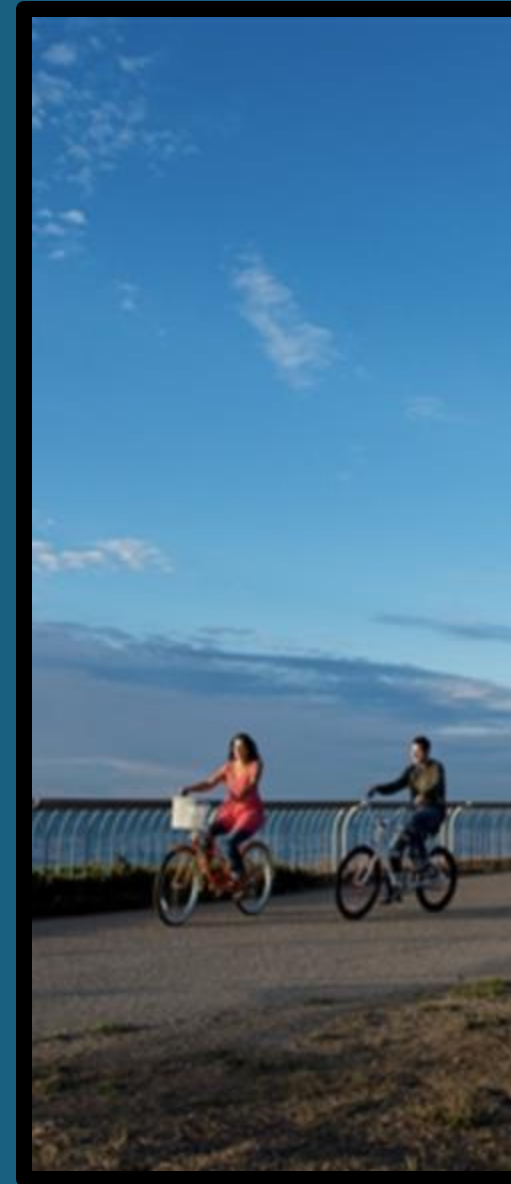
Coastal Management



Economic Resilience



Transportation and Mobility



Park Space

Planning Processes



West Cliff and a Changing Climate

- Climate change is accelerating impacts on the natural and built environment
- Establishing an adaptive management approach to all City planning and programming is necessary (City Climate Action Plan 2030; West Cliff Adaptation and Management Plan)

Ongoing coastal erosion is a significant problem along West Cliff Drive and this will continue as sea levels continue to rise (City's Local Hazard Mitigation Plan 2018-2023 Update)

City Council Update

- City Council direction on 5/23
 - Receive the update on citywide West Cliff work
 - Initiate community review of the in-process roadmap to collect additional input and provide an updated draft of the “A Resilient West Cliff, Accessible to All Roadmap” to City Council by end of August 2023, that includes activation of projects listed in the “Post Disaster Projects 0—3 years;” and
 - Through a multi-agency approach, utilize the policy concepts named in the dynamic coast section of the draft roadmap, including nature-based solutions, to develop the ‘Beyond the Three Years’ section to include a 50-year vision by end of 2023



Interagency Engagement Update



Monterey Bay
National Marine
Sanctuary



Federal Emergency
Management Agency



California Coastal
Commission



U.S. Army Corps
of Engineers



CA Governor's Office
of Emergency Services



Silver Jackets -
Pending

Accessible and Resilient West Cliff

Shared narrative of West Cliff to support environmental, social and economic values

Increased accessibility
along the coastal bluffs
of West Cliff

(City Parks Master Plan 2030)

Integration of the parks and
green spaces along West
Cliff adding to benefits for
people and nature

(City Parks Master Plan 2030)

Creation of active transportation
networks to facilitate residents and
visitors traveling safely through
West Cliff

(City Climate Action Plan 2030, City Active Transportation Plan)

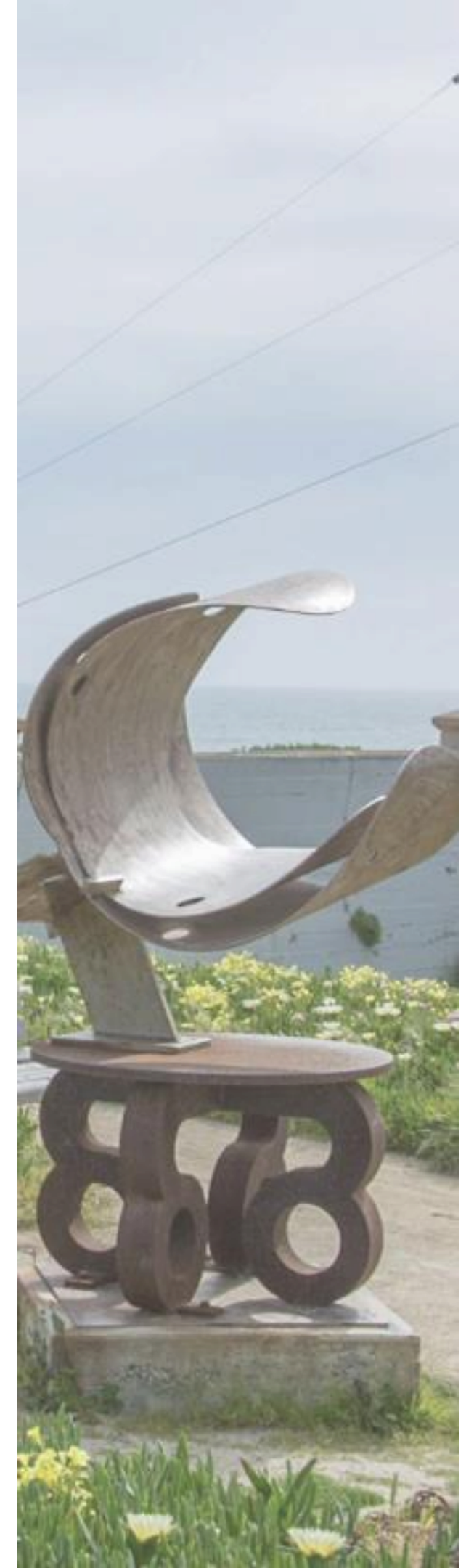
0-3 Year Projects

West Cliff Intersection Improvements

The Beach/SOLA Plan, and subsequently the General Plan identified **traffic circulation improvements at Bay/West Cliff to reduce congestion and improve safety**. This is a Traffic Impact Fee intersection and mitigation for the General Plan buildout. A mini-roundabout was approved with the Dream Inn's 190 West Cliff Drive project, and development of the 190 West Cliff Drive project will pay its fair share of the intersection improvements and dedicated right-of-way.

West Cliff Bethany Curve Culvert

The culvert retaining walls, roadway, and storm drain system sustained significant damages from the Winter 2023 storm events. This project includes **developing plans to replace the Bethany Curve culvert** in order to maintain storm water drainage system and restore vehicle access to West Cliff Drive. Work is anticipated to include **removal of damaged walls and catch basins, rehabilitation or structural reinforcement around existing culvert pipe, and replacement of roadway, pathway, and inward and seaward walls**. Given the existing culvert was in place for over 100 years it is anticipated the culvert structure replacement would be in place for many decades to come.



0-3 Year Projects

Surveys of the Sea Cave on the West Side of Lighthouse Point

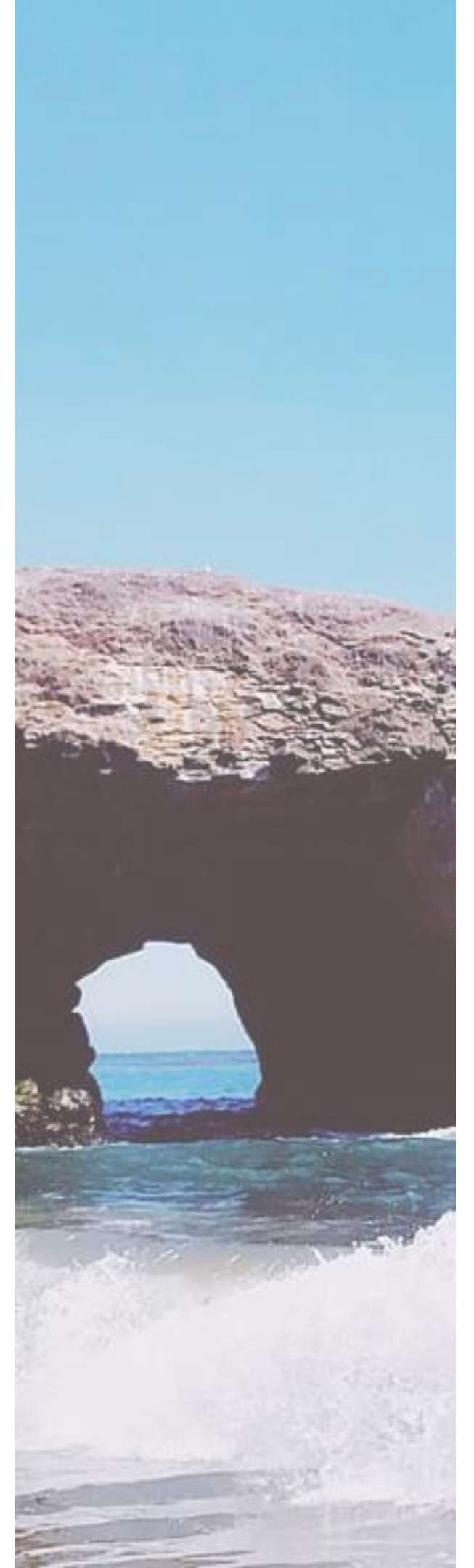
The City **monitors the thickness of the sea cave** on the West side of Lighthouse Point every 10 years (next survey will occur in 2026). If the City notices a change in the sea cave, the City will proceed with a geotechnical study.

West Cliff Drive Neighborhood Traffic Calming

An initial **traffic calming installation** was identified for Oxford Way at the request of the neighborhood and as supported by collected traffic data. The Public Works Transportation division identified volume reduction strategies and the neighborhood selected a cul-de-sac treatment at the Bethany Curve crosswalk with a vote.

West Cliff Drive One Way Pilot

West Cliff Drive between Columbia Drive and Woodrow Avenue continues to provide **one-way westbound** (towards Natural Bridges) vehicular traffic and a **temporary on-street multi-use path** outside the failed bluff sections. At Bethany Curve, the bridge is closed to vehicle traffic but allows pedestrian and bicycle access. The roadway between Almar Avenue and David Way is open for **“local access only”** as the roadway is closed at the culvert. A detour route is posted via Delaware Avenue to circumvent the culvert.



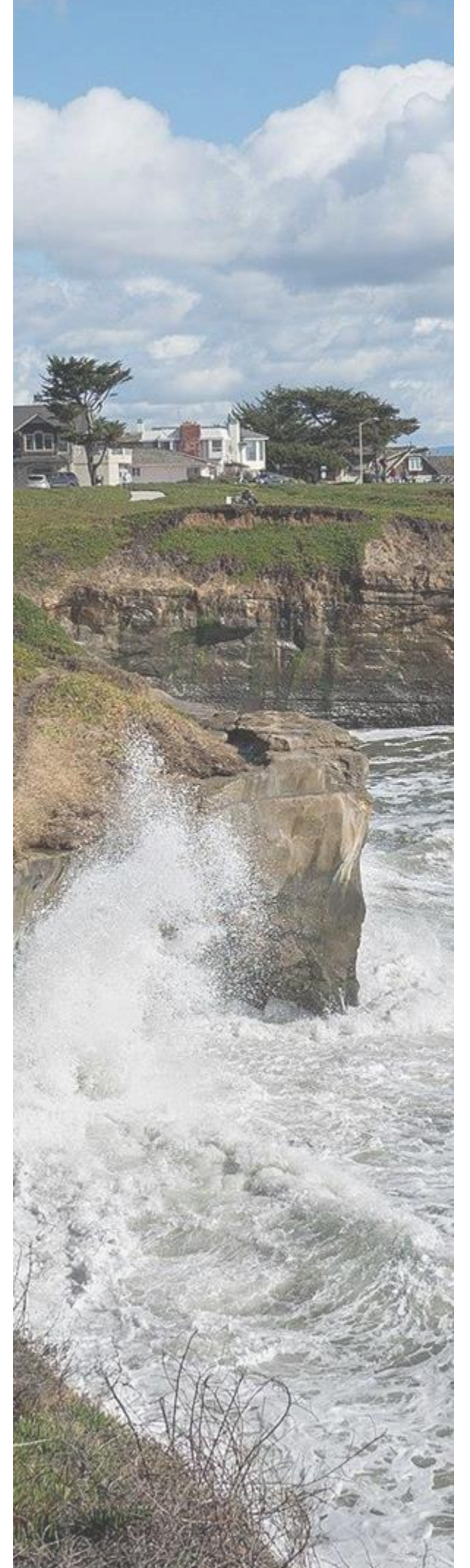
0-3 Year Projects

West Cliff Drive Stabilization - Rip-rap

To prevent damage to the West Cliff path, roadway, and utilities, this project proposes to place **additional engineered rock protection**. In FY 2016, funding was used to repair two locations near Woodrow and a sinkhole at a retaining wall near Woodrow. With significant damages sustained from bomb cyclone events in Winter 2023, FY 2024 priority locations for stabilization include the 900 and 1000 block of West Cliff Drive.

West Cliff Drive Stabilization - Infill Walls

Infill walls instead of rock protection are being considered along the areas opposite of 920, 932, 1016, and 1030 West Cliff Drive as they may be a more cost-effective and robust solution, while making it easier for a potential future connection to a larger seawall or other coastal infrastructure. Infill wall design is also **less likely to have fugitive material displaced over time** on the beach or surf.



0-3 Year Projects

West Cliff Drive Multi-use Path Pavement Rehabilitation

This project will address some of the deferred maintenance of the path surface with **patching, edge repair and slurry paving of the multi-use path**. The third phase is being developed for construction in FY 2024 following the storm damage repair near Chico Ave.

Storm Drain Pipe Replacement and Outfalls

Storm drain pipe has a useful life of approximately 50 years. There are several of these storm drains citywide where the pipe has corroded and collapsed, necessitating replacement of metal pipes with plastic pipe which has a longer useful life. Engineering and Operations staff **identified the highest priority locations for replacement, which includes West Cliff Drive** storm drain pipes.



0-3 Year Projects

Santa Cruz Coastal Adaptation Monitoring Program

Monitoring the changes on the coast are a critical component of understand potential actions longer term to manage the coast. The City applied for funding to support a **coastal change monitoring program** that will help guide the City's prioritization and implementation of the local coastal program and related plans and policies. This effort would include ongoing scientific assessment of environmental considerations; community engagement and communication focused on social vulnerability and equity; and integration of community concerns in the program.

Nature Based Solutions and Sand Management Feasibility Study

The City applied for funding to: (1) conduct a **feasibility study of nature based solutions** and living shorelines; (2) **evaluate the potential for using sand management techniques** to replenish sand on down coast beaches; (3) develop **conceptual designs**; (4) prepare virtual reality **visualizations** in the City's Sea Level Rise Explorer application for use in equitable engagement during the project; and (5) identify **ecological triggers and thresholds** to monitor coastal ecological change, performance of living shorelines and nature based solutions, as well as **transition to solutions** which enhance and protect ecosystems.



Breakouts Purpose

Seek feedback from the community on 1) a 50-year vision for West Cliff; and 2) projects to prioritize to start in the next three years



Meeting Structure Overview (in-person)

- Form groups of 8-10 to discuss guided question and prioritize 0-3 year projects
 - Select a group representative to report on discussion to the larger group
 - Staff will be available to answer questions
- Spend the first 15 minutes discussing the guiding questions and adding your thoughts to the board
- Spend the second 15 minutes discussing the 0-3 year projects and voting on preferred projects
 - Add your comments directly to the
- Return to the main room to share key points

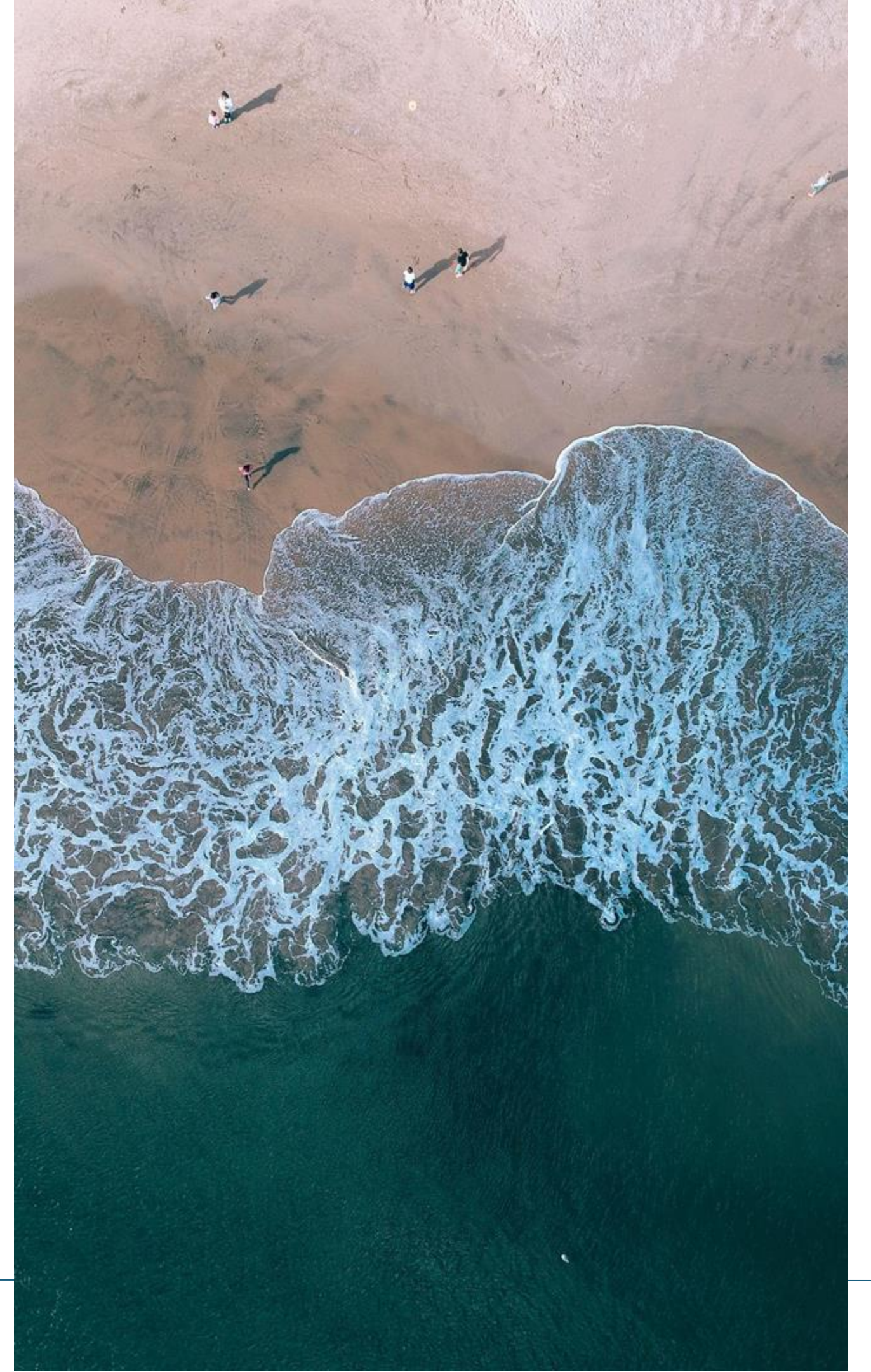




GUIDED QUESTION

Fifty years from now, how do you think the community will use West Cliff?

**Please form
groups**



Welcome Back





Questions?

Thank you

For other questions, please contact:

Erika Smart

emart@santacruzca.gov

