

*Santa Barbara County  
Coastal Resiliency Project*

**BEACON Board Meeting**

*Selena Evilsizor Whitney, AICP  
March 19, 2021*



# AGENDA

- **Coastal Resiliency Overview**
- **Sea Level Rise Vulnerabilities**
- **Adaptation Planning**
- **Significant Policy Issues**



# SB COUNTY COASTAL RESILIENCY PROJECT

**Modeling and Mapping**

**Vulnerability Assessment**

**LCPA Development**

**Public Workshops**

**County Hearings**

**LCPA Certification / Adoption**

June 2014

June 2015

June 2016

June 2017

June 2018

June 2019

June 2020

June 2021





# VULNERABILITY ASSESSMENT

## Vulnerable Assets (Selected Findings):

- **Railroad: 62 miles**
- **Roads: 45**
- **Highway 101: 12 miles**



# VULNERABILITY ASSESSMENT

## **Vulnerable Assets (Selected Findings):**

- **Residential uses: 800 acres**
- **Prehistoric and historic sites**
- **Summerland wastewater plant**



# COUNTY CLIMATE CHANGE VULNERABILITY ASSESSMENT

- **Unincorporated County**
- **All climate-change related hazards**
- **Safety Element Update per SB 1000**
- **Draft available in late summer 2021**



# ADAPTATION PLANNING

- **Individual County projects ongoing**
- **Coastal Resiliency – delayed**
- **Safety Element Update – begin in 2022**





# COASTAL RESILIENCY LCPA – KEY ELEMENTS

- **Significant Adaptation Policies:**
  - **Coastal Hazard Screening Areas Map**
  - **Technical Guidelines**
  - **Real Estate disclosures**
  - **Nonconforming development standards**





# COASTAL RESILIENCY LCPA – POLICY ISSUES

- **Significant, complex policy issues**
- **Negotiating with Coastal Commission**
- **May help other coastal jurisdictions**



# “EXISTING” DEVELOPMENT

- **Two options:**
  - **LCPA certification (County)**
  - **January 1, 1977 (CCC)**
- **Threshold effects:**
  - **Shoreline protective device permitting**
  - **“Redevelopment” baseline**



# SHORELINE PROTECTIVE DEVICES

- **§ 30235: “shall be permitted ... to protect existing structures ...”**
- **Built after 1977:**
  - **“May” be permitted**
    - **Neighborhood adaptation plans (CCC)**
    - **Development standards (County)**
- **Built after LCPA adoption:**
  - **Prohibited (CCC)**
  - **“May” be permitted (County)**





# “REDEVELOPMENT”

- **Exceed 50% structural alterations:**
  - **Conform to current LCP policies**
  - **Cumulative alterations**
- **Cumulative baseline:**
  - **January 1, 1977 (CCC)**
  - **Date of LCPA (County)**





# SEA LEVEL RISE SCENARIOS

- **Ocean Protection Council (2018)**
  - **“Most likely” vs. “1-in-200 chance”**
    - **Risk aversion policy decision**
  - **H++ scenario**
    - **Extreme worst case**
    - **No associated probability**



# CRITICAL INFRASTRUCTURE

- **H++ scenario for hazard analysis (OPC)**
- **Which scenario to use for design?**
- **How to define?**



# NEXT STEPS

- **Coastal Resiliency LCPA**
  - **Negotiate until June 30, 2021**
- **Safety Element update:**
  - **Vulnerability Assessment: 2021**
  - **Adaptation Plan and Safety Element Update: 2022**





# REGIONAL ADAPTATION

- **LCPA:**
  - **County shall collaborate with:**
    - **BEACON on shoreline management planning**
    - **Caltrans and Union Pacific Railroad**
- **Staff support BEACON's role as a regional coordinator**





# QUESTIONS

<https://www.countyofsb.org/plndev/home.c>

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**Long Range Planning**

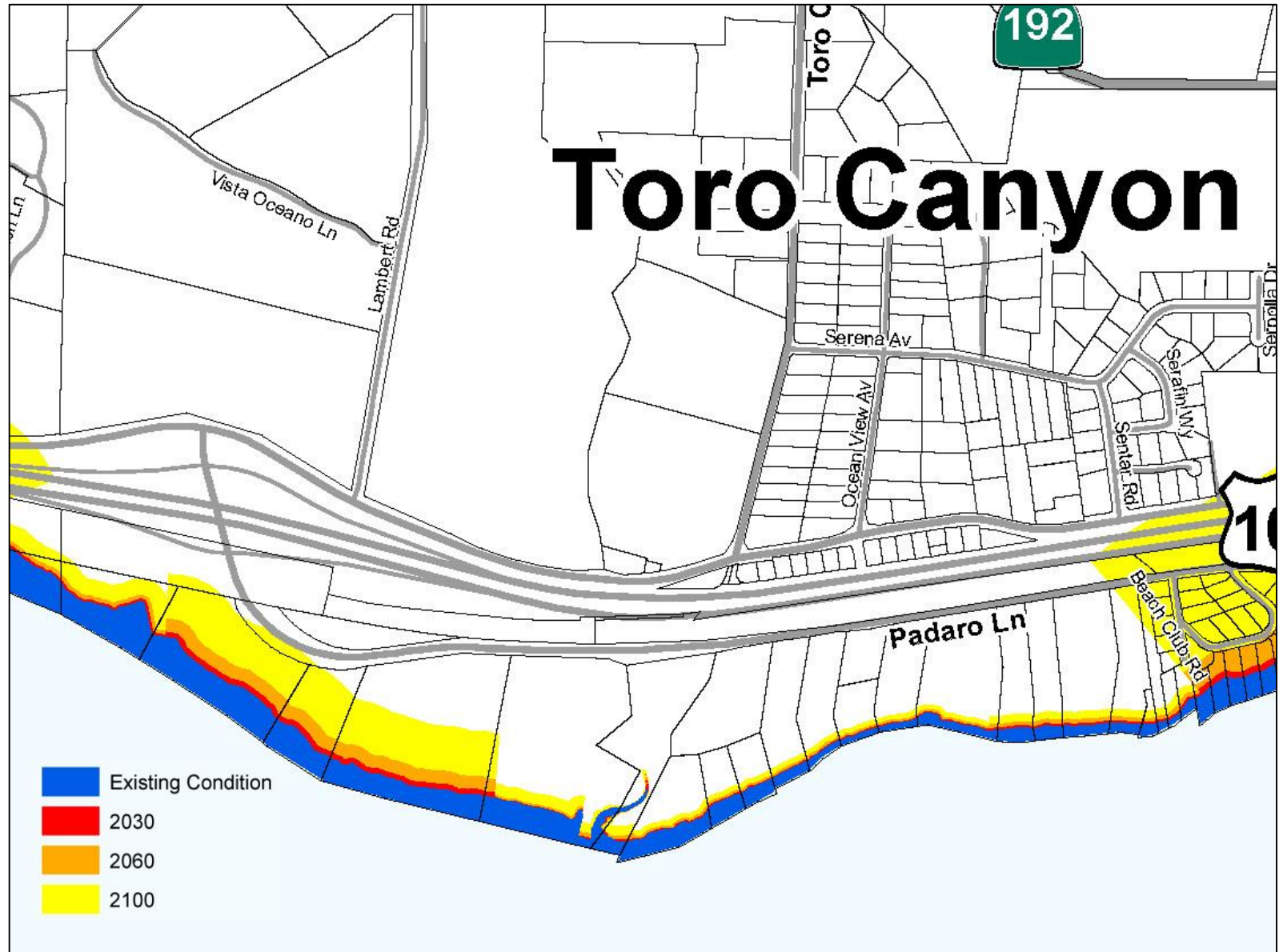
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# COASTAL HAZARD SCREENING AREAS



# COASTALRESILIENCE.ORG MAPPING TOOL

