Presentation

Anne Wells, Advance Planning Manager

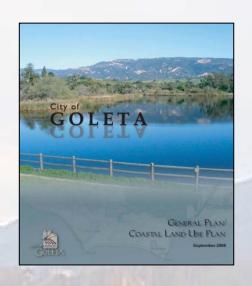
City of Goleta



September 16, 2021

Planning Tools

- General Plan
- Climate Action Plan
 - Greenhouse Gas Emissions Inventory
 - Municipal Energy Efficiency Action Plan
- Coastal Hazards Vulnerability Assessment and Fiscal Impact Report
- Local Coastal Program (TBD)
- Community Wildfire Prevention Plan
- Multi-Jurisdictional Hazard Mitigation Plan



CLIMATE ACTION PLAN

Coastal Hazards Vulnerability Assessment and

COASTAL

Adaptation Challenge: Oil / Gas Remnants in 1930s



Adaptation Challenge: Oil and Gas Remnants Now





Historic Oil and Gas Relicts on Ellwood and Haskell's Beaches

Broken and Eroding Old Oil and Gas Sea Walls on Ellwood Beach







Adaptation Challenge: Shoreline and Bluff Erosion





Large areas of eroded bluff and shoreline at Haskell's Beaches and Bacara



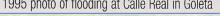
Adaptation Challenge: Coastal Flooding





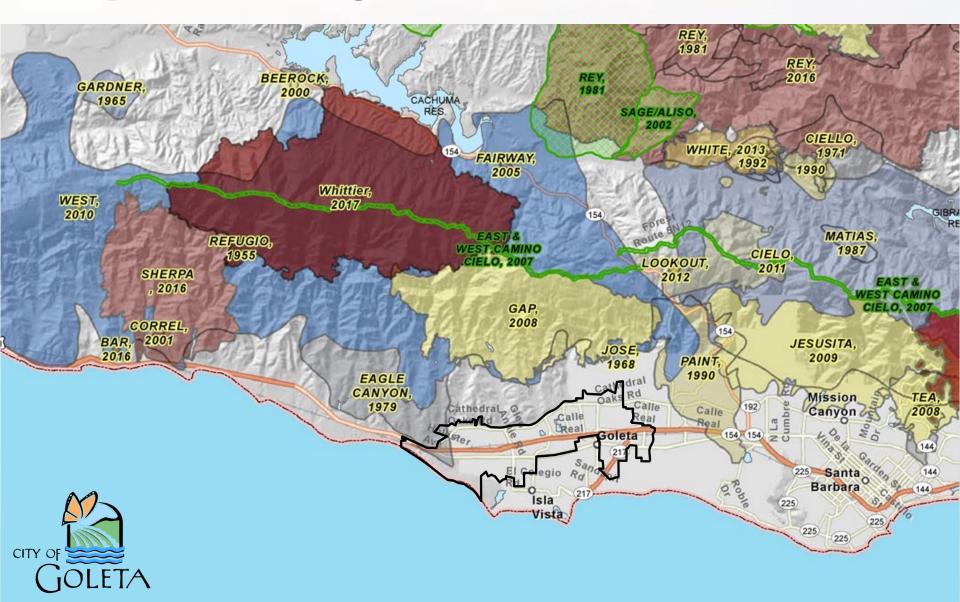




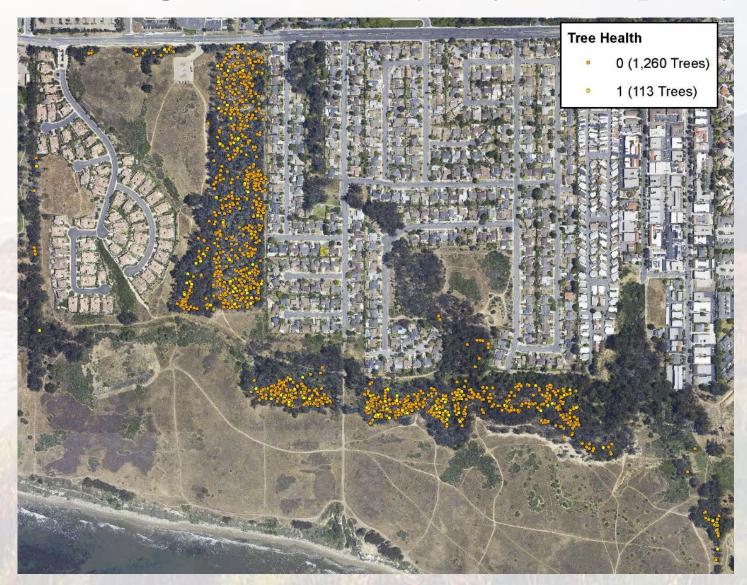




Adaptation Challenge: Wildland Fire



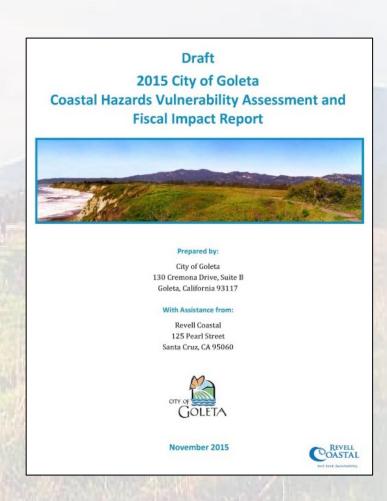
Adaptation Challenge: Tree Die-off (Ecosystem Impacts)





Coastal Hazards Vulnerability and Fiscal Impact Report

- Identify and map climate-induced hazards
- Identify vulnerable resources, infrastructure and development
- Quantify fiscal impacts of the risks
- Develop adaptation strategies to reduce the risk level
- Quantify cost of implementing the adaptation strategies
- Develop a Local Coastal Program



Coastal Hazards Report Outline

Section 1: Planning Background

Section 2: Physical Setting

Section 3: Climate Science

Section 4: Vulnerabilities and Fiscal Impacts by Sector

Section 5: Adaptation Strategies by Sector

Section 6: Implementation

Section 7: Policy and Regulatory Recommendations

Section 8: Monitoring

Section 9: Conclusion



Vulnerability Assessment

- Evaluate impacts of each type of hazard
- Assesses impacts to each asset category over time
- Identify threshold

Vulnerability Model

Planning Horizons: 2010, 2030, 2060, and 2100

Sea Level Rise:

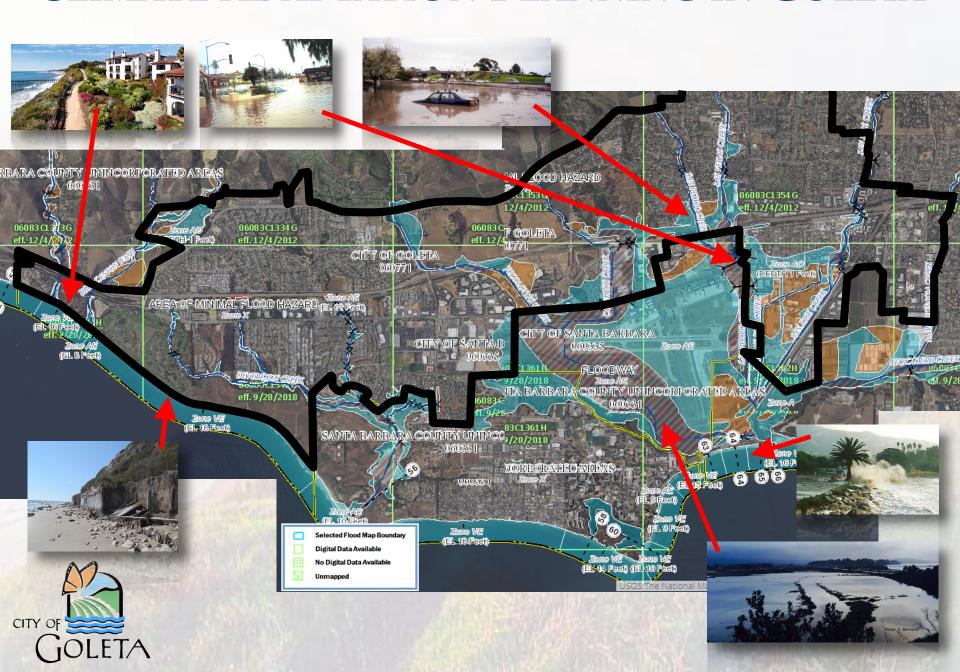
Year	Low SLR	Medium SLR	High SLR*
2030	0.04 inches	3.5 inches	10.2 inches
2060	2.8 inches	11.8 inches	27.2 inches
2100	10.6 inches	30.7 inches	60.2 inches

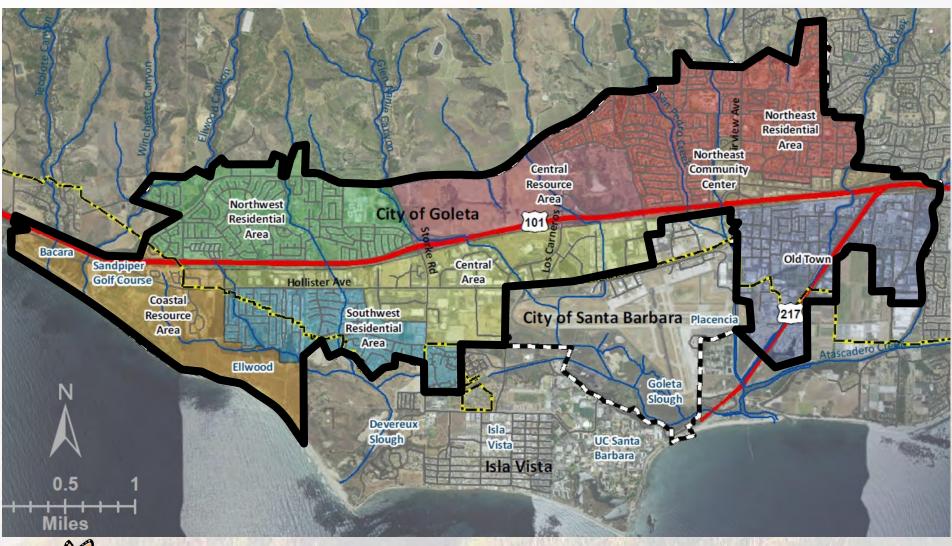


Coastal Hazards Report: Example Policies

- Relocation / Removal from Erosion-Prone Areas
- Transfer of Development Rights Program
- Structural Adaptation
- Habitat Adaptation
- Real Estate Disclosures
- Creek/Slough Sediment Management
- Regional Collaboration









Regional Collaboration

