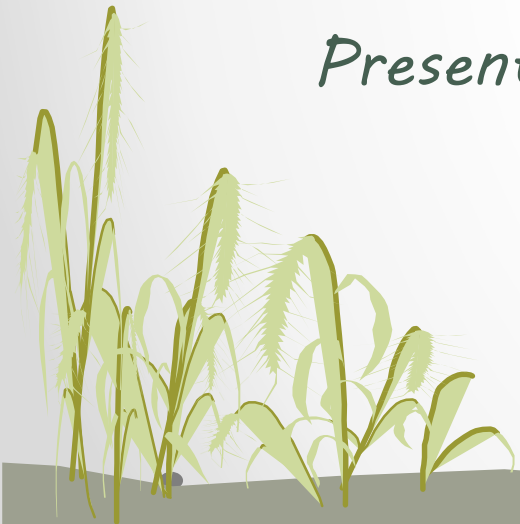


San Leandro's Long Beach

*Presentation by Public Works and Engineering & Transportation
May 20, 2019*



San Leandro's Long Beach

- *History*
- *Coastal Community Context*
- *Biological Significance*
- *Restoration Funding Efforts*
- *What's Next?*



History

- *Early 1900s*
 - *Marshlands diked*
 - *Trojan Powder Works*
- *Fate of Property Debated for 30+ years*
 - *TPW closed in 1964*
 - *Early development proposals for 2,000+ homes*
 - *~ 630 homes approved in mid-1990s*
 - *Dedication of 315 acres of permanent open space*
- *Beach Restoration*
 - *2008 Roberts Landing Shoreline Rehabilitation Technical Advisory Group*





Google Earth

Coastal Community Context

- *San Leandro Marshlands one of largest marshes in central East Bay*
- *Historic sand spit - One of last 'original' Bay beaches*
 - *~ 1,200 linear feet*
 - *23+ miles of Bay beach historically; 2008 conservative estimate is 7 miles*
- *Dominant on-shore winds subject area to storm event damage*
- *Beach restoration vs levee restoration vs nature-based shoreline protection*
- *San Francisco Bay Shoreline Adaptation Atlas*
 - *San Francisco Estuary Institute/San Francisco Planning and Urban Research Association (SFEI/SPUR) document provides framework to identify effective adaptation strategies*



Long Beach Erosion

Levee road, which was used by bicyclists and maintenance vehicles is impassable (only on foot).



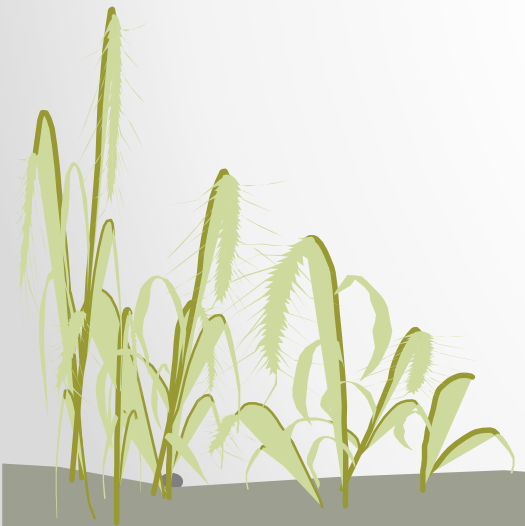
Google Earth

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100 ft







Biological Significance

- *Historic Least Tern training area for fledglings*
- *Suitable site for *Suaeda californica* (California seablite) re-introduction*
 - *Endangered plant species last recorded there in 1960s*
- *Potential wintering/breeding for Western Snowy Plovers*
- *Grunions!*
 - *Last documented spawn in 2008*



Restoration Funding Efforts

- *Beach Replenishment Program*
 - *First discussed in 2007 as part of Marsh Management Manual*
 - *Intended to establish barrier beach to buffer levees from wave erosion*
 - *Obviate need for riprap*
 - *Creation of habitat for endangered plant/animal species*
- *NFWF Resiliency Grant Proposal*
 - *Planning & Design/Engineered Plans*
 - *Submitted August 2018*
 - *Notification (no award) November 2018*
- *San Francisco Bay Restoration Authority Grant Proposal*
 - *Planning & Design/Engineered Plans + Construction*
 - *Submitted November 2018*
 - *Notification (no award) April 2019*



What's Next?

- *Submission for second round of NFWS pre-proposals made*
- *Field visit/report from Peter Baye, Coastal Plant Ecologist*
- *Consultation with San Francisco Estuary Institute*
- *Re-application for Planning Grant from the San Francisco Bay Restoration Authority (Measure AA)*

