

SCAPE LANDSCAPE ARCHITECTURE DPC

**HAYWARD REGIONAL SHORELINE ADAPTATION MASTER PLAN
HASPA BOARD MEETING**

JANUARY 14, 2021

AGENDA

- **Comments Received**
- **Summary of Meetings**
- **Public Comments**
- **Next Steps**

FINAL DRAFT MASTER PLAN

SCAPE
ARCADIS
CONVEY
RE:FOCUS
SFEI

HAYWARD REGIONAL SHORELINE ADAPTATION MASTER PLAN

FOR THE HAYWARD AREA SHORELINE PLANNING AGENCY (HASPA)

PART OF A JOINT POWERS AGREEMENT OF THE CITY OF HAYWARD, HAYWARD AREA RECREATION AND PARK DISTRICT, AND EAST BAY REGIONAL PARK DISTRICT

HAYWARD REGIONAL SHORELINE MASTER PLAN

**APPENDIX B
COST ESTIMATE**

SUBMITTED 10/02/2020

SCAPE
ARCADIS
CONVEY
RE:FOCUS
SFEI

HAYWARD REGIONAL SHORELINE ADAPTATION MASTER PLAN

FOR THE HAYWARD AREA SHORELINE PLANNING AGENCY (HASPA)

PART OF A JOINT POWERS AGREEMENT OF THE CITY OF HAYWARD, HAYWARD AREA RECREATION AND PARK DISTRICT, AND EAST BAY REGIONAL PARK DISTRICT

HAYWARD REGIONAL SHORELINE MASTER PLAN

**APPENDIX A
STAKEHOLDER AND PUBLIC
COMMENTS**

SUBMITTED 10/02/2020

SCAPE
ARCADIS
CONVEY
RE:FOCUS
SFEI

HAYWARD REGIONAL SHORELINE ADAPTATION MASTER PLAN

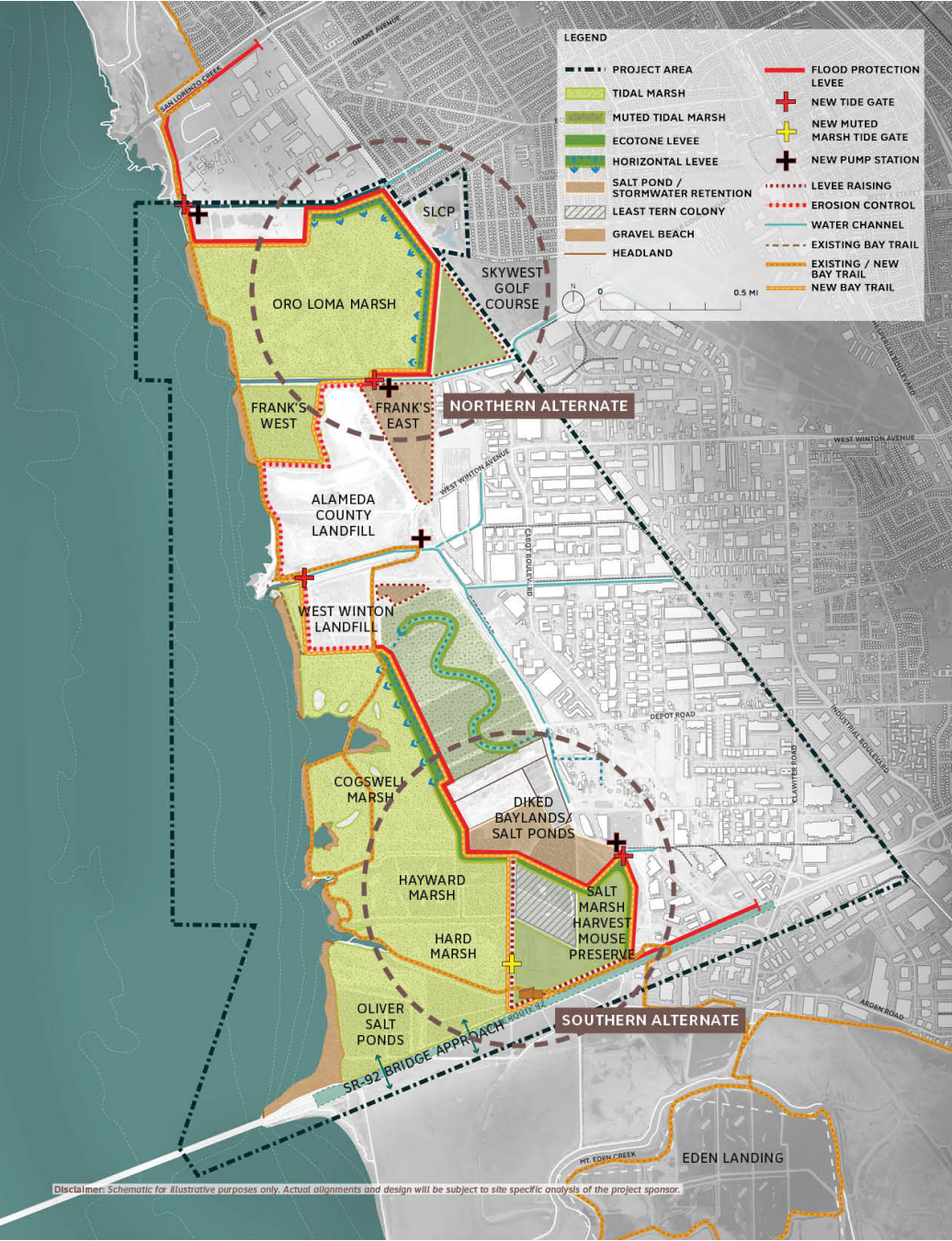
FOR THE HAYWARD AREA SHORELINE PLANNING AGENCY (HASPA)

PART OF A JOINT POWERS AGREEMENT OF THE CITY OF HAYWARD, HAYWARD AREA RECREATION AND PARK DISTRICT, AND EAST BAY REGIONAL PARK DISTRICT

HAYWARD REGIONAL SHORELINE MASTER PLAN

SUBMITTED 10/02/2020

PREFERRED ALTERNATIVE



COMMENTS RECEIVED SUMMARY

LIST OF COMMENTS RECEIVED

HASPA BOARD (10/08)

HAYWARD PLANNING COMMISSION (10/22)

ONLINE PUBLIC FORUM #2

- Jackie Zipkin, EBDA
- Carin High, Citizens Committee to Complete the Refuge
- Benjamin Pearl, San Francisco Bay Bird Observatory
- Debie Pollart, City of San Leandro Public Works Director
- 5 public comments: Wade Winblad, Carl, Michelle Lin, Sally A Holt, Margaret Mary Bauer

ACFCD MEETING

- ACFCD expressed general support for the Master Plan and recognized that their comments have been incorporated.
- ACFDC will be a key stakeholder in the implementation of the Master Plan and the SCAPE Team recommends that HASPA continue reaching out to the district even once the Master Plan is adopted

HASPA BOARD MEETING SUMMARY

- General support for the Preferred Alternative and how it balances different stakeholder needs
- Interest in Bay Trail adaptation while maintaining recreational experiences over time
- Concerns over cost, but understanding that SLR is a priority issue
- Edit Policy & Programmatic Recommendations to divide and conquer between the three lead agencies
- HARD interested in identifying the roles of each agency early on
- Explore the formation of a technical district to oversee implementation of the Master Plan and coordination with adjacent regions

HAYWARD PLANNING COMMISSION WORKSESSION SUMMARY

- Call out protection of residential areas north of project site
- Concerns over groundwater impacts to industrial areas
- Interest in how the Master Plan will change over time-
update assumptions, policy recommendations, etc.
- Expand technical support and education to residents, not just businesses

ONLINE PUBLIC FORUM #2



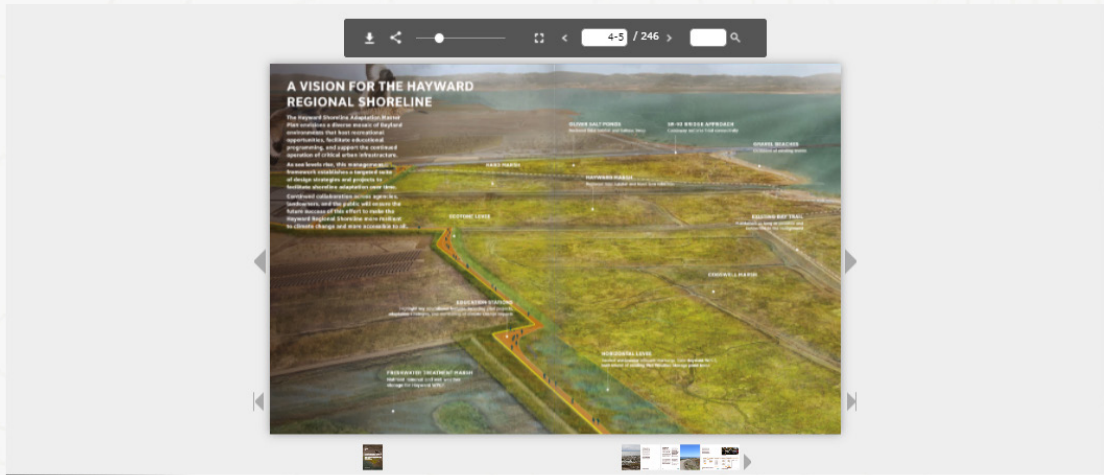
PURPOSE OF MASTER PLAN

The **Hayward Regional Shoreline Adaptation Master Plan** was commissioned in 2019 by the **Hayward Area Shoreline Planning Agency (HASPA)** a joint powers agency consisting of representatives from the City of Hayward, East Bay Regional Park District (EBRPD), and Hayward Area Recreation and Park District (HARD).

The Master Plan will develop various multi-benefit strategies for the shoreline, its existing infrastructure, and the surrounding natural habitat in order to adapt to Sea Level Rise. Ultimately, it will act as a road map and help guide the development of future projects in a coordinated effort between state and local agencies, landowners, and the public. The Plan will be a forward looking tool for preparation, mitigation, and adaptation to climate change.



VIEW THE MASTER PLAN



PREFERRED ALTERNATIVE

The Preferred Alternative balances risk reduction and ecological enhancement to foster a robust and layered system of shoreline adaptation. This hybrid configuration is based upon stakeholder feedback received during the Design Alternatives process.

The line of protection includes a FEMA-certified levee that will reduce risk to inland communities by buffering the shoreline to the impacts of sea level rise and storm surge. The spatial alignment of this levee protects critical built assets and provides opportunities for shoreline restoration.

A large extent of tidal habitat is enhanced outboard of the line of protection. Tidal marshes, existing and restored, would be monitored over time with an adaptive management plan that could use sediment augmentation to sustain healthy mudflat and marsh elevations in strategic areas. New tidal marsh is restored at Frank's West and Hayward Marsh. Vulnerable ecosystems, like the Oliver Salt Ponds, would also be restored to tidal marshes as sea levels rise and make perimeter levee maintenance less feasible.

The Bay Trail is aligned to promote a diversity of experiences while reducing the risk of flooding.

The Hayward Shoreline Interpretive Center is protected in place with interim levee raising and future adaptation could occur through the elevation of the building itself. Its location within a marsh maintains a direct connection to shoreline ecosystems. The San Lorenzo Community Park is also protected in place, but vulnerable to potential groundwater emergence.

Two alternate configurations are outlined below in two areas that may require additional flexibility to align with ongoing projects and permitting constraints.



Northern Alternate
• May be easier to permit since the LOP is outside of SCLC jurisdiction but more expensive due to lack of stormwater storage capacity



Southern Alternate
• Levee raising goes around Pond 3A (least tern nesting colony)

ONLINE PUBLIC FORUM #2 SUMMARY

JACKIE ZIPKIN, EAST BAY DISCHARGERS AUTHORITY

- Minor suggestions to wording
- Looking forward to continuing work on implementation

CARIN HIGH, CITIZENS COMMITTEE TO COMPLETE THE REFUGE

- General support for the Preferred Alternative
- Support for nature-based solutions as adaptation and resilience strategies
- Concern over human disturbance and least tern colony- Bay Trail alignment
- Request for access to more technical information and reports

BENJAMIN PEARL, SAN FRANCISCO BAY BIRD OBSERVATORY

- Suggestion to provide a greater amount of breeding habitat for plovers- the amount shown is inadequate to support the existing populations
- Detailed descriptions of all existing least tern habitats and habitat design recommendations
- Prefers salt pond habitat over nesting islands - large expanses with no obstructions

ONLINE PUBLIC FORUM #2 SUMMARY

DEBBIE POLLART, SAN LEANDRO PUBLIC WORKS DIRECTOR

- Interest in discussion of potential impacts to San Leandro residents and infrastructure

PUBLIC COMMENTS

- General support for the Master Plan and appreciation for the planning effort
- Support for ecological solutions- marsh expansion to buffer and mitigate against SLR

ACFCD MEETING SUMMARY

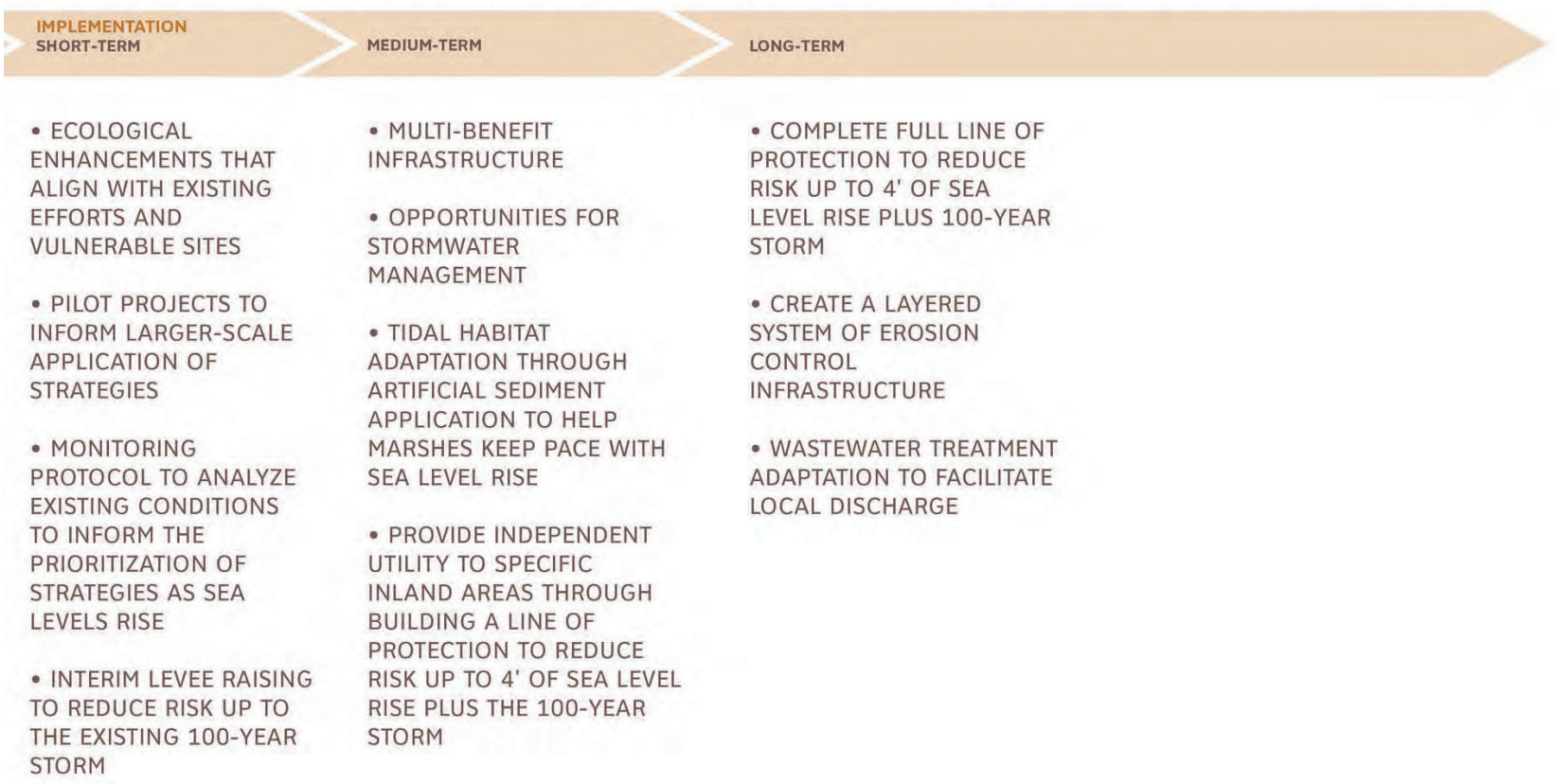
- Expressed general support for the Master Plan and recognized that their comments have been incorporated
- Still have concerns over the amount of stormwater storage space
- They will evaluate the line of protection as shown in the Preferred Alternative, but would like some flexibility in modeling to determine the feasibility of its alignment
- Willing to partner on the FEMA Hazard Mitigation Grant Program for the Oro Loma Interim Levee project
- Interest in building a large levee base that can adapt to increases in height over time
- Stressed importance of any project to align with a Bay-wide plan and CHARG initiative before it is constructed

NEXT STEPS

NEXT STEPS

- **Master Plan Finalization**
 - Updates to Master Plan document in January based on final comments
 - Addition of Online Public Forum #2 comments and letters to Appendix A
- **Adoption of Master Plan by each partner agency by February 28**
- **HASPA pursuit of grant funding**
 - FEMA Hazard Mitigation Grant Application - Oro Loma Interim Levee

- **Implementation!**





GRAVEL BEACH

Outboard of existing levee
to reduce erosion

**GRAVEL BEACH
PILOT MONITORING**

Measure performance
to inform larger-
scale applications

**MONITORING
MARKERS**

**SEA LEVEL RISE
MONITORING**

Localized data informs the need and
strategy for adaptation strategies

EXISTING TIDAL MARSH

THANK YOU!