



A Bright Future

Para Nuestra Comunidad

November 12th, 2024

By Osvaldo Macias





Menlo Park

Palo Alto

East Palo Alto



Source: San Francisquito
Creek Joint Power
Authorities



Source: San Francisquito Creek
Joint Power Authorities



Source: Valley Water

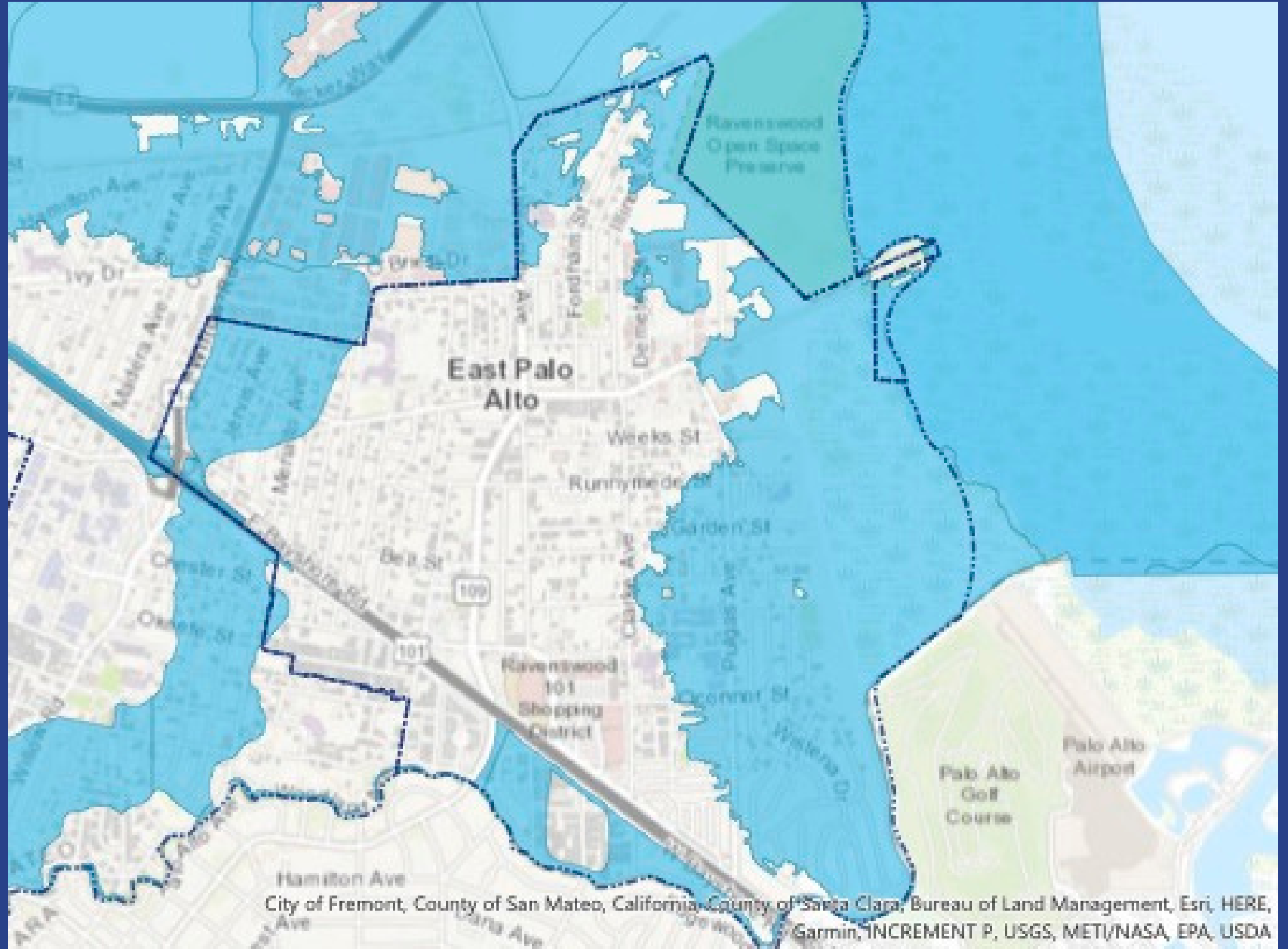


Source: San Francisquito Creek
Joint Power Authorities



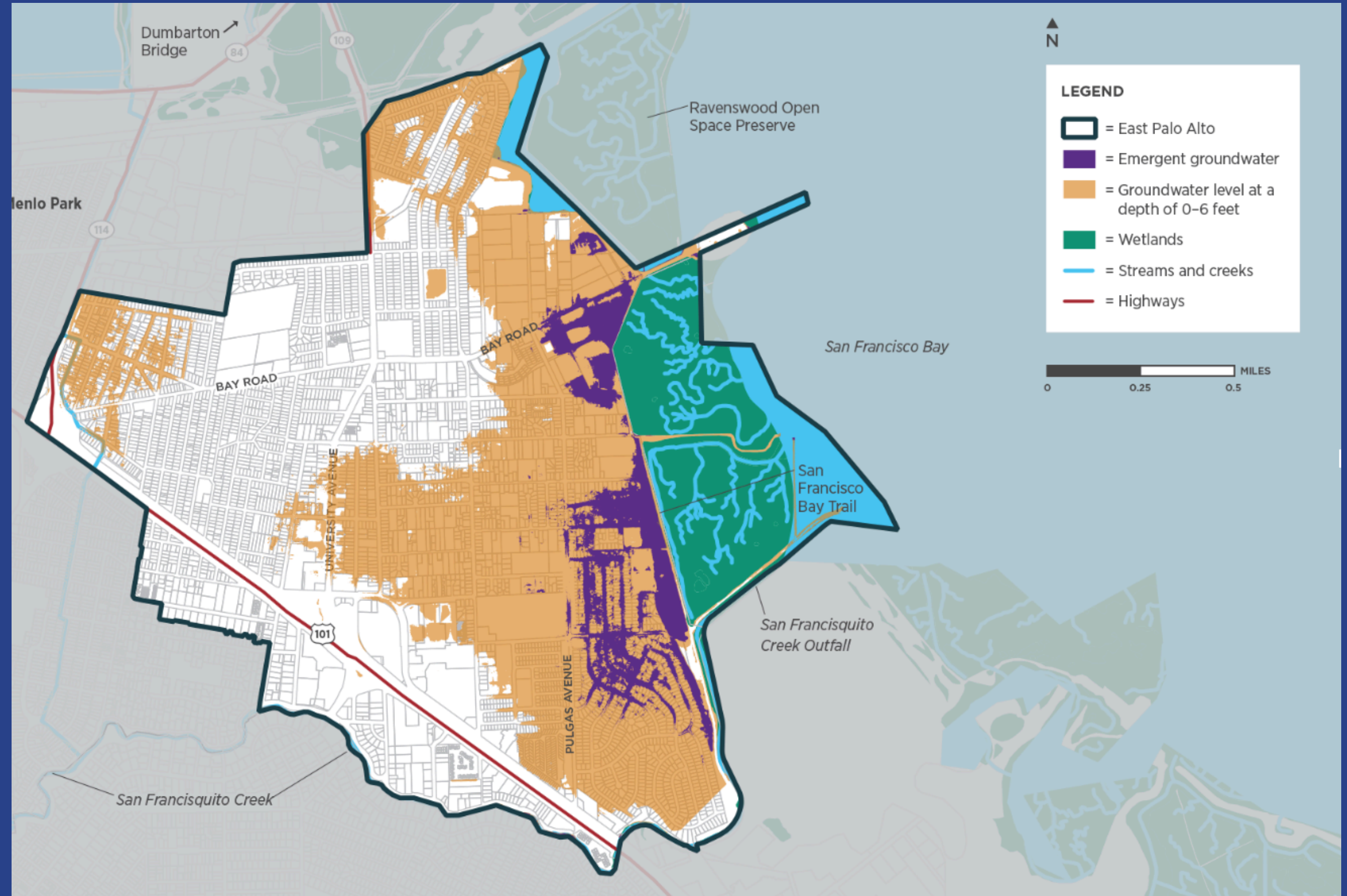
Flood Risk in East Palo Alto With a 100 year Flood

Source: 2021 County of San Mateo Multijurisdictional Local Hazard Mitigation Plan (LHMP)





Ground Water Rise With 2 Feet of Sea Level Rise (2070 -2080)



Source: SPUR Look Out Report



Nada Para Nosotros Sin Nosotros

Nothing For Us Without Us





Resources

Nuestra Casa

ISSUE #6
APRIL 2024

NOTICIAS

WHAT IS SHALLOW GROUNDWATER RISE?

Shallow groundwater is water from rainfall that is stored in soils near the ground surface. As sea level rises, salty water from the bay migrates inland, pushing groundwater to the surface. We don't know everything about how this will affect us now and in the future. But, we do know that flooding will be more widespread than previously thought due to climate change and this will impact both infrastructure and public health.

HOW WILL GROUNDWATER RISE AFFECT MY COMMUNITY?

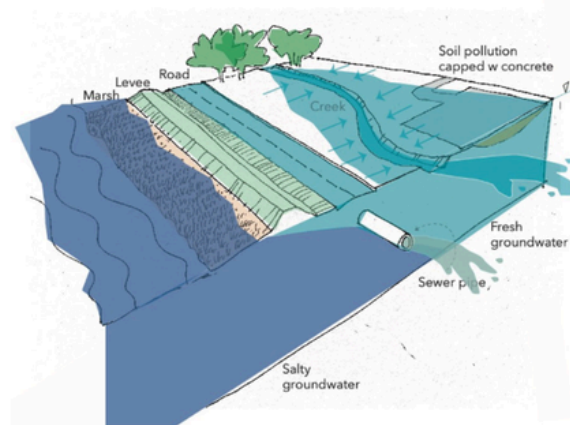
Groundwater rise is likely to lead to various impacts on low-lying communities along the San Francisco Bayshore. Impacts may include:

- **Increased flooding during wet winters** could lead to difficulties moving about and accessing services in parts of East Palo Alto, Belle Haven, & Redwood City.
- **More frequent stormwater and sewer overflows.** Pipes for rain and sewage cannot handle high groundwater levels, especially during heavy rainfall events. Overflows can impact public health and Bay ecosystem health.
- **Damage to building and home foundations.** Foundations of buildings wear out faster if regularly in contact with salty water. Fixing foundations can be expensive for owners.
- **Corrosion of roads and underground infrastructure like drinking water pipes.** Infrastructure may need to be upgraded to

protect against groundwater infiltration and corrosion by groundwater. Infrastructure upgrades are costly and costs could be passed to the local customers if the City, State, or Federal government does not fund them.

- **Some contaminants left in soils on legacy industrial sites can travel into floodwaters and cracked storm and sewer pipes.** This can occur on industrial sites that have undergone remediation and on those that have not yet been cleaned. Within Redwood City, Belle Haven, and East Palo Alto, there are about 200 contaminated sites that could be affected by groundwater and sea level rise.

Image of Groundwater Rise Impacts



Source: Drawing by Dr. Kristina Hill. Bay Conservation and Development Commission (BCDC) Adapting to Rising Tides. <https://www.adaptingtorisingtides.org/portfolio/shallow-groundwater-rise/>

GET INVOLVED & STAY UPDATED!

Nuestra Casa

EDICIÓN #6
ABRIL 2024

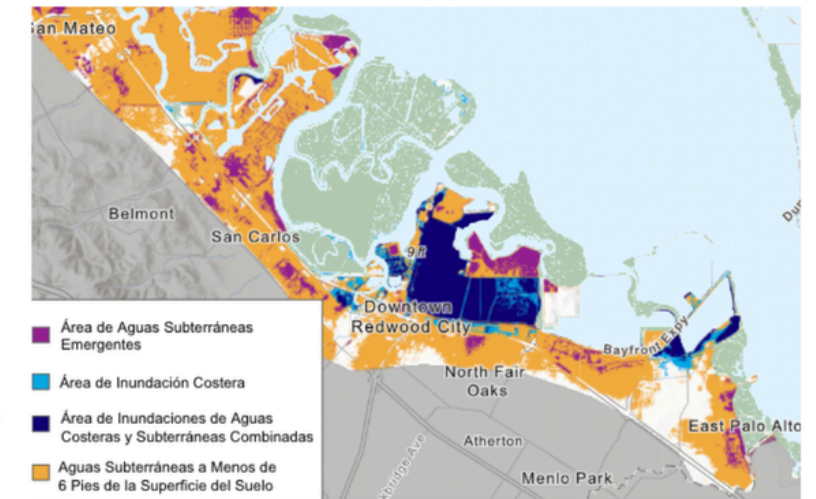
NOTICIAS

El Consejo de Protección del Océano de California estima que el nivel del mar en el área de la Bahía de San Francisco podría aumentar entre **1 pie y 2 pies para el año 2060** (bajo escenarios de cambio climático intermedio a "peor caso").

Con un aumento del nivel del mar de 2 pies, es probable que las áreas bajas de Belle Haven, East Palo Alto (al este de Pulgas Avenue) y Redwood City (a un cuarto de milla de la autopista 101) experimenten inundaciones consistentes por agua subterránea si no se toman medidas de adaptación. El mapa muestra dónde ocurrirían estas inundaciones bajo este escenario.

Inundaciones por Aguas Subterráneas y Costeras con un Aumento del Nivel del Mar de 2 Pies

Mapa de niveles de aguas subterráneas bajo el escenario de aumento del nivel del mar de 2 pies. El azul oscuro, morado y azul claro muestran áreas inundadas debido al aumento del nivel del mar y de las aguas subterráneas. Las aguas subterráneas emergentes (color morado) se refieren a los niveles de aguas subterráneas que están por encima del suelo (es decir, se acumulan en carreteras u otras áreas bajas).



**Fuente: Captura de pantalla tomada de los mapas en línea del Pathways Climate Institute & San Francisco Estuary Institute (2022).

Nuestra Casa está monitoreando el aumento del nivel freático y su impacto en nuestra comunidad. Con su apoyo, educaremos y trabajaremos con nuestros responsables políticos locales para determinar soluciones de adaptación efectivas.

Algunas formas en que puedes tomar acción ahora:

- Únete a nuestra Academia de Justicia Ambiental
- Comparte esta Noticia con tu familia y amigos
- Contacta a environmentaljustice@nuestracasa.org para obtener más información

¿CÓMO PUEDO PARTICIPAR?

¡PARTICIPE Y MANTÉNGASE ACTUALIZADO!

PARA OBTENER MÁS INFORMACIÓN:
environmentaljustice@nuestracasa.org



VISITA EL SITIO WEB DE JUSTICIA HÍDRICA DE NUESTRA CASA.



Community Outreach



Source: Nuestra Casa

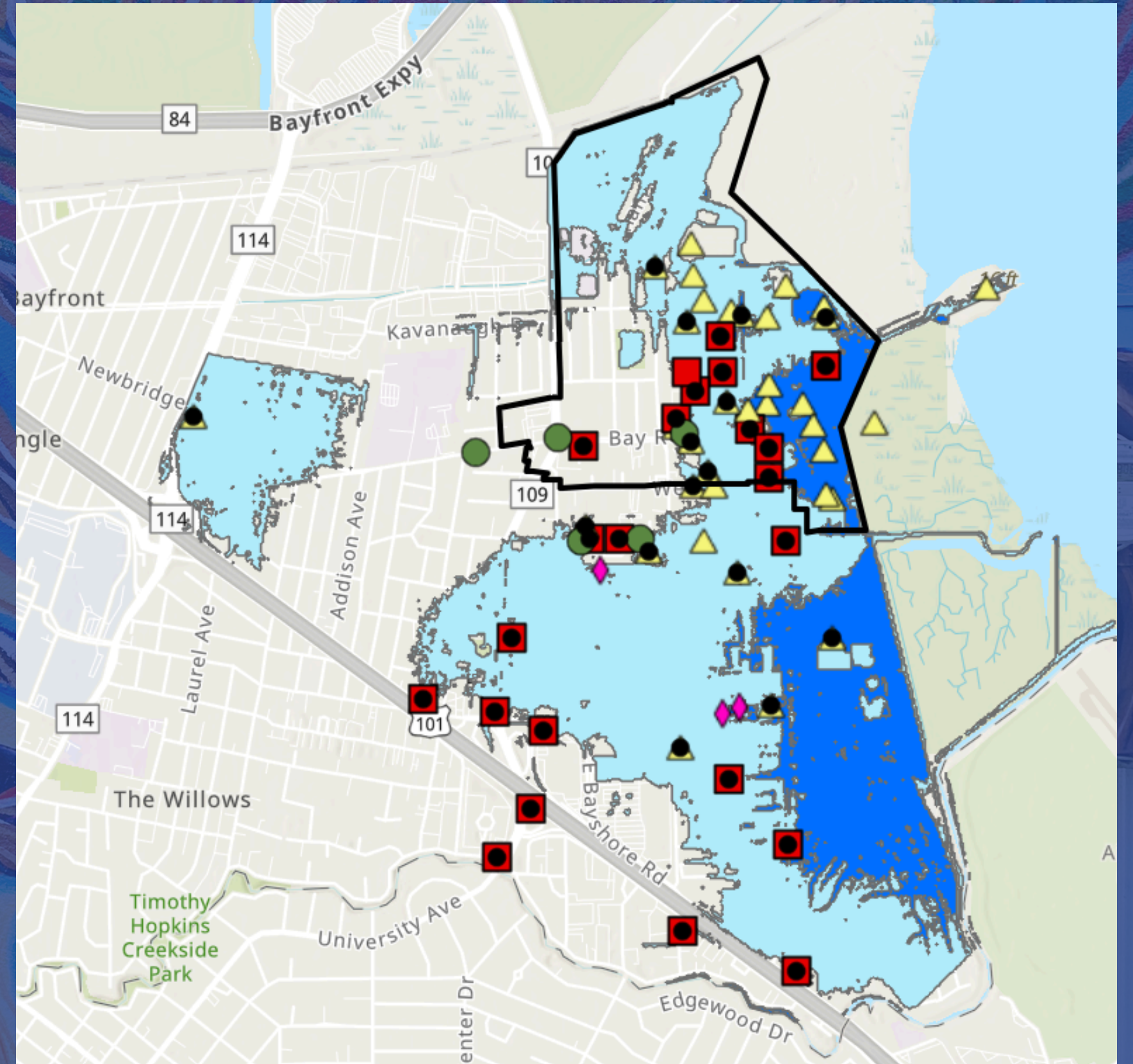
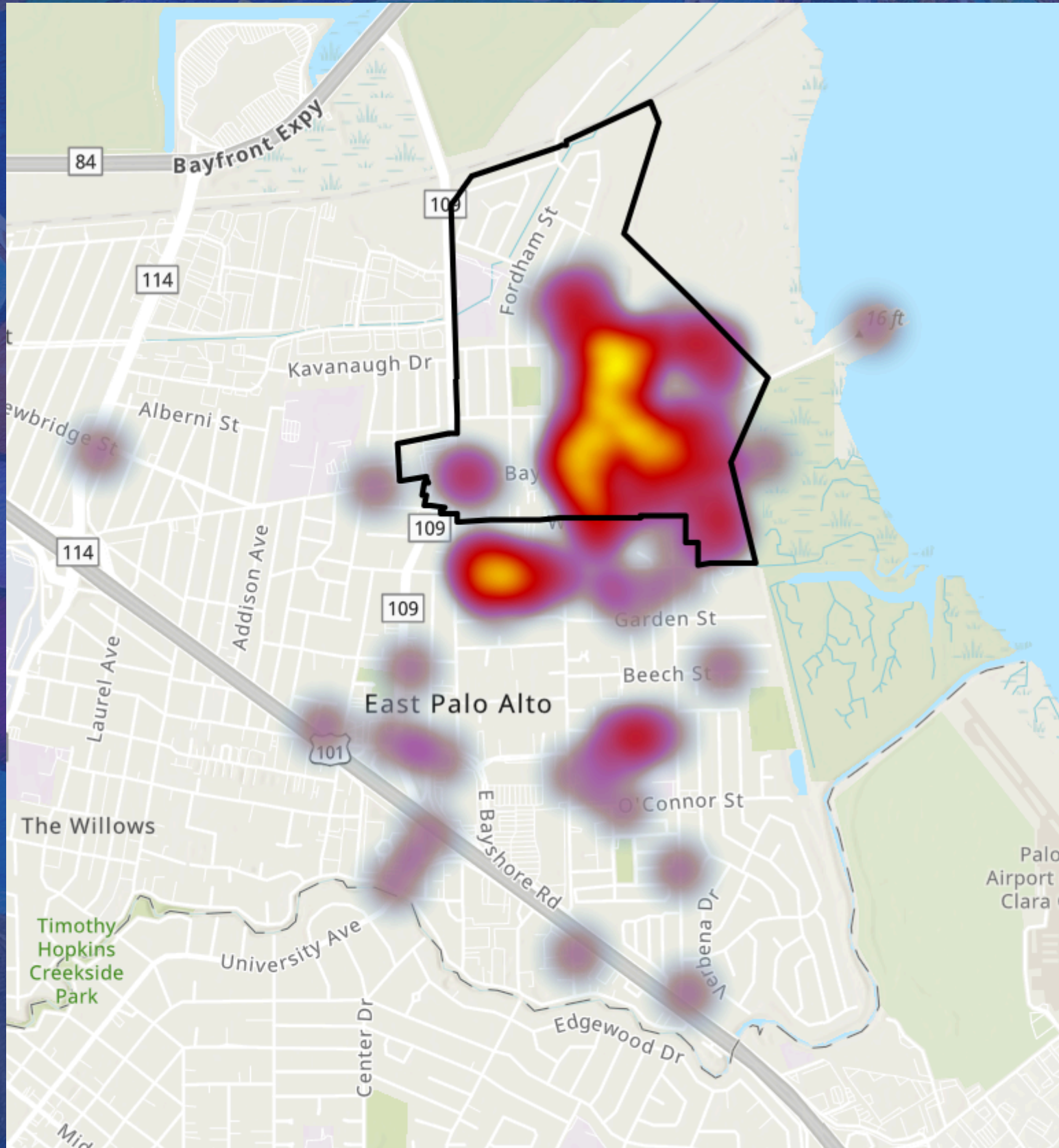


Ravenswood Business District





Ravenswood Business District & Contamination





Look Out Below

Groundwater rise impacts on East Palo Alto - A Case Study for equitable adaptation

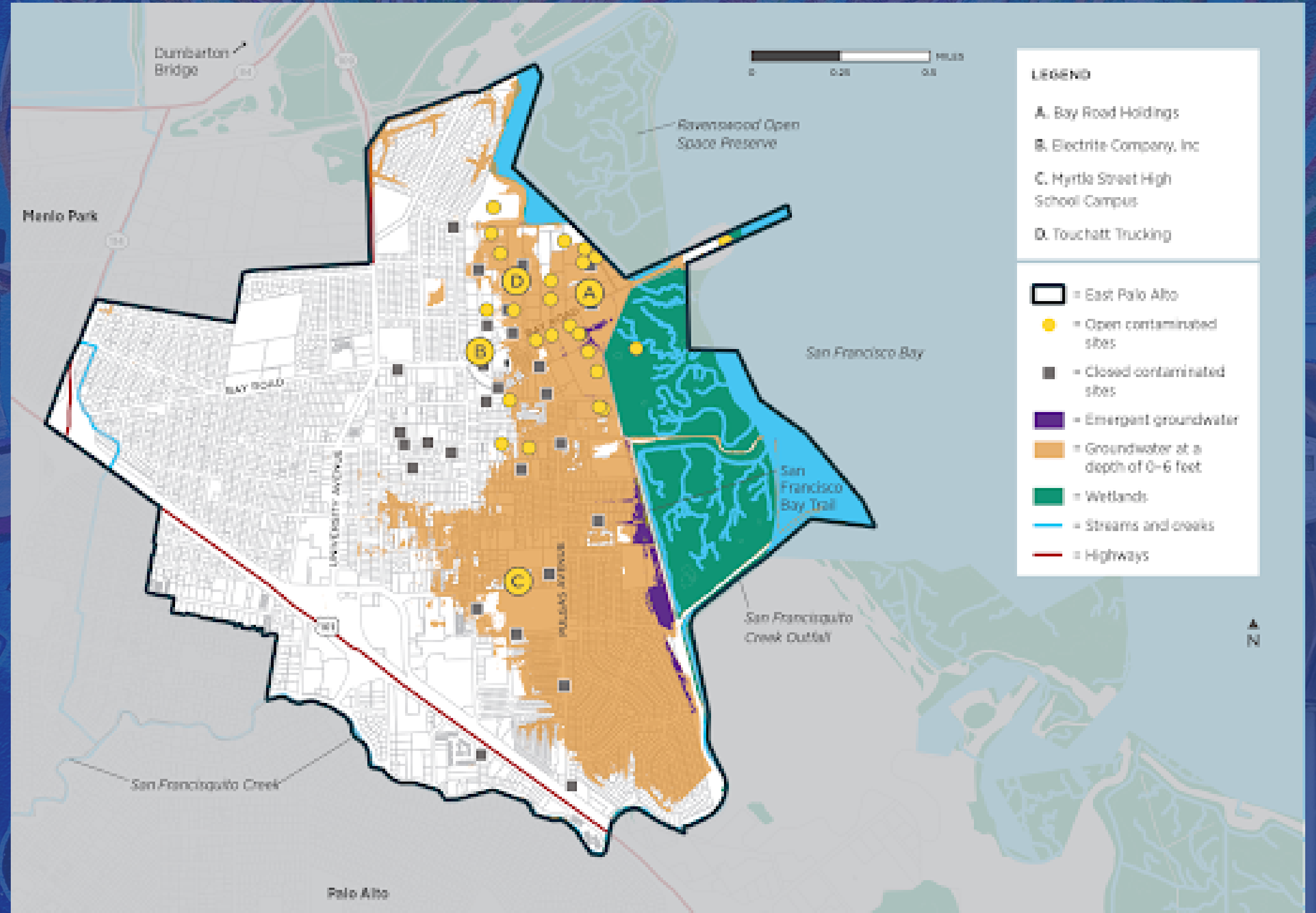
 **SPUR** CASE STUDY
MAY 2024

Look Out Below

Groundwater rise impacts on East Palo Alto — A case study for equitable adaptation



Contamination Sites in East Palo Alto



Source: SPUR Look Out Report



Peninsula Accountability for Contamination Team (PACT)

Mission Statement:

Our mission is to advocate alongside community members to advance **contaminated site clean-up and infrastructure resilience**, addressing the impacts of sea level and groundwater rise in **low-lying areas of the Peninsula**. Through this work, we aim to safeguard the health and well-being of our community for generations to come.



Belle Haven
Community Development Fund



Nuestra
Casa

BELLE HAVEN
EMPOWERED



Thank You!