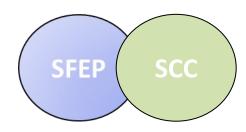




- Collaborative, Non-regulatory Public Agency
- Protect and improve water quality & habitats
- Estuary Blueprint 5-year workplan

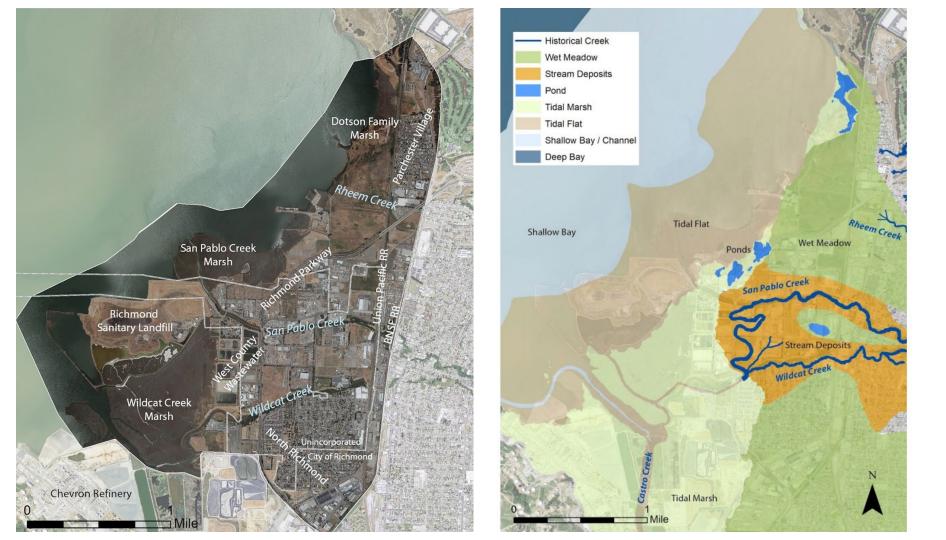


- habitat restoration projects
- flood protection projects that are part of a habitat restoration project
- shoreline access and recreational amenity projects that are part of a habitat restoration project



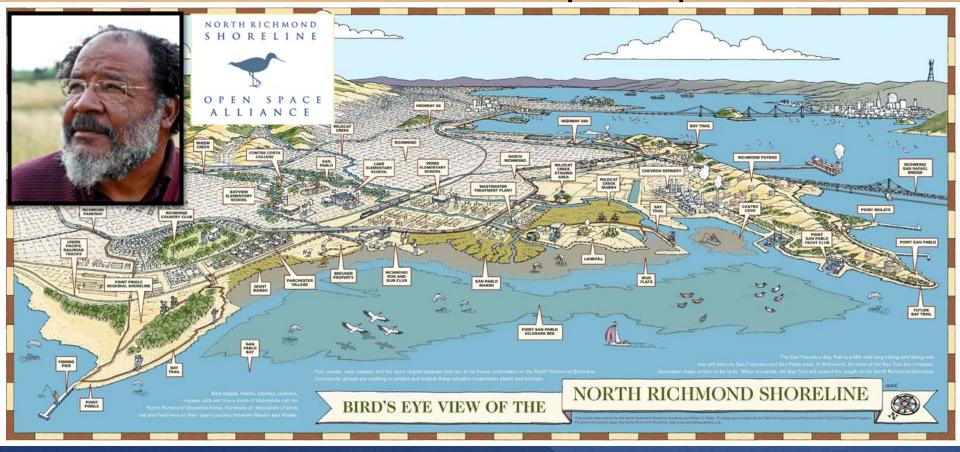








North Richmond Shoreline Open Space Alliance



15th Annual NORTH RICHMOND

SHORELINE

HEALTHY PARKS !

HEALTHY PEOPLE!

FESTIVAL

SATURDAY, OCTOBER 6, 2018 11 AM TO 4 PM POINT PINOLE REGIONAL SHORELINE PARK 5551 GIANT HIGHWAY Ø\$ RICHMOND, CA

ALL FREE Food & Entertainment - Live Music - Solar Charging Station Photo Booth - Pony Rides - Live Music - Kayaking Nature Walks - Kids' Activities - Free Kid's Books - Kids' Chu Chu Train Magician - Puppets - Free books for the kids Fun for the Whole Family!

CELEBRATE BAY DAY ON THE SHORELINE!

Hosted by the North Richmond Shoreline Open Space Alliance and co-sponsored by: East Bay Regional Parks District, Cities of Richmond & San Pablo & CA Coastal Conservancy

Special thanks to our contributing partners for their direct and in-kind donations: North Richmond MAC. Environmental Justice Coalition for Water, Groundwork Richmond. GRID Alternatives, West County Wastewater District & Richmond RPD Explorers

For more information, contact Lana Martarella at (510) 219-1571 or lanamartarella@icloud.com

MAPS, EXHIBITOR & MORE INFO AT WWW.NORTHRICHMONDSHORELINE.ORG



San Francisco Estuary Partnership: Climate Ready Estuaries

Regional Transition Zone Mapping & Community Adaptation Strategy Pilot Project, 2016-17

- Phase 1: Develop upland transition zone mapping methodology
- Phase 2: Apply methodology locally & partner with a vulnerable community to create a vision for sea level rise resiliency focusing on opportunities



North Richmond Community Shoreline Vision Project

- Community stakeholder meetings
- Informational interviews with public agencies, communitybased organizations, and service providers
- 284 Resident Surveys



San Francisco Estuary Partnership: Climate Ready Estuaries



North Richmond Shoreline Vision Strategies and Actions

Strategy #1: Protect and Conserve Open Space

Strategy #2: Improve & increase shoreline public access and understanding

Strategy #3: Dynamic shoreline uses with compatible community needs

Strategy #4: Restore & enhance a diversity of habitats and living resources

Strategy #5: Build capacity for equity, environment, and economic development among stakeholders

San Francisco Estuary Partnership: Climate Ready Estuaries

Near Term Opportunities

As we adapt to sea level rise in the Transition Zone, there are a number of near-term implementable actions and specific projects outlined in the Vision that are already in various planning stages but have further project development needs (such as community input, funding, final design documents, permits) to advance to implementation.

Wildcat Creek

Marsh

oint Pinole

Dotson Famil

San Pablo Creek

Marsh

Marsh

RICHMOND

RICHMOND

1 Horizontal levee and Interpretive Center at West County Wastewater District

Explore planning, design, and construction of nature-based shoreline infrastructure, and an associated Environmental Center supporting environmental education and public outreach programs. The effort is looking at placing a horizontal levee at Wildcat Marsh, adjacent to the Bay Trail in partnership with the District and SEE.

2 Interpretive Genter at Point Pinole Regional Shoreline

Engage the public through a new 9,000 sf visitor center that will serve as the primary point of contact for park visitors, with interpretive and educational functions, community facilities, and a regional recreational resource center for the Park District. Site developments include multiple interpretative gathering areas, an amphitheater, trail links, bus drop off, and parking.

Bay Trail Gap closures and Richmond Parkway Overpass on Wildcat Creek Trail

Improve access through closing 2.1 miles of Bay Trail gaps on the northern shoreline including: Parkway/Wildcat Marsh Trail on south side of San Pablo Creek; Parkway/ Goodrick Avenue; Goodrick Avenue; and Atlas Road/Richmond border.

Giant Marsh Living Shorelines

Enhance living resources, including the multi-habitat San Francisco Bay Living Shorelines Project (LSP). The project integrates subtidal habitat restoration of native oyster and native eelgrass beds with designs that test the use of natural structures to buffer and protect adjacent tidal wetland sites, as well as areas of the San Francisco Bay shoreline that are vulnerable to sea level rise and shoreline erosion.

5 Develop and construct renewable energy pilot projects

Generate renewable energy, through a special district that is exploring producing renewable energy in the area. Goals of the project are for the special district to become more carbon neutral and test out a new method of green energy production. The pilot project would use green waste from the area to produce renewable energy at the Green Waste Recycle Yard.

Wildcat Creek Fish Ladder Improvements

Realign portions of the environmental lowflow channel of Wildcat Creek (downstream of Verde Elementary School), improve function of the sediment basin, and replace dysfunctional fish ladder immediately upstream of sediment basin.

Fred Jackson First Mile, Last Mile Green Street / Watershed Connections Project

Provide urban greening through the North Richmond Watershed Connection, which will serve to create a healthy, walkable, green connection between the San Pablo and Wildcat Creeks in North Richmond. The project will implement coordinated urban greening elements on streets, parks, creek trails, and an urban farm to enhance the health of the creeks and watershed while improving the community's access to their environment.

8 Rheem Creek Realignment though Dotson Family Marsh

Realign and restore about 1/2 mile of Rheem Creek, and connect it with restored Dotson Family marsh to create improved aquatic habitat through the marsh.

PROJECT SITES





Resilient by Design

Goal: connect international expertise with local communities to inspire innovative designs and collaboration

Process (2017-2018):

- Public call for vulnerable sites
- Design Team selection
- Collaborative Research Phase
- Assign Teams to sites
- Collaborative Design Phase
- Final Designs



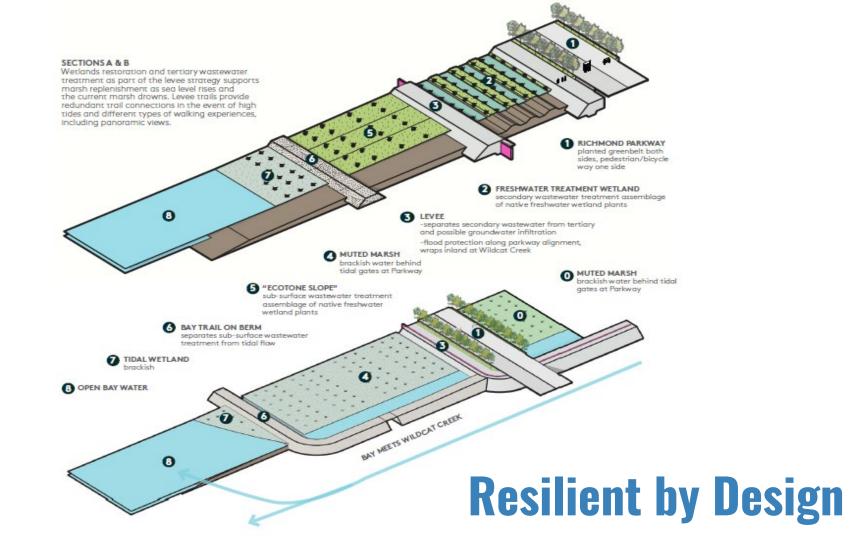
Resilient by Design



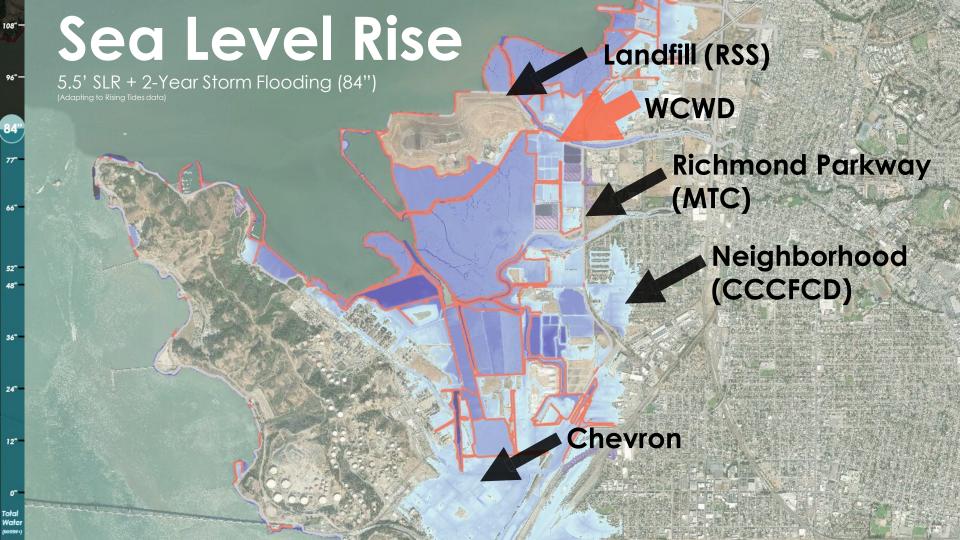


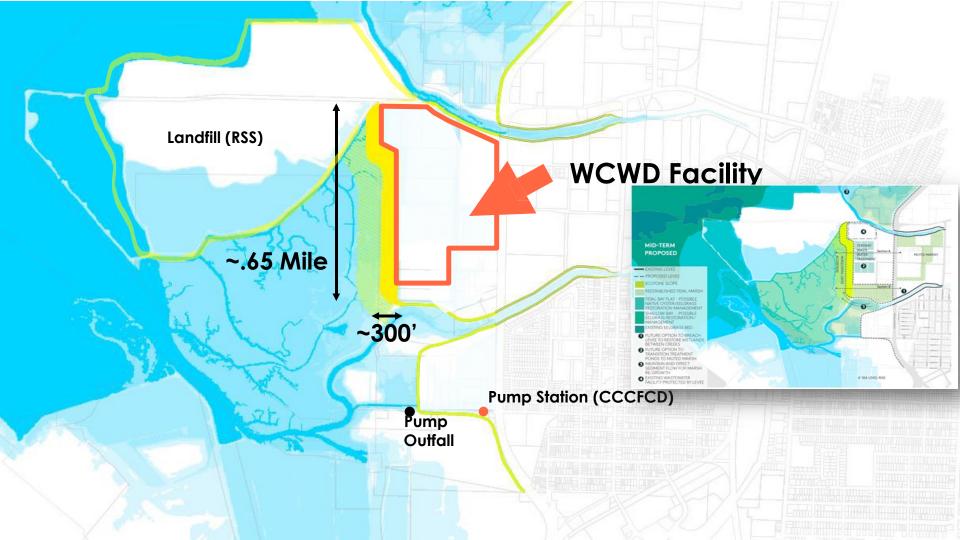


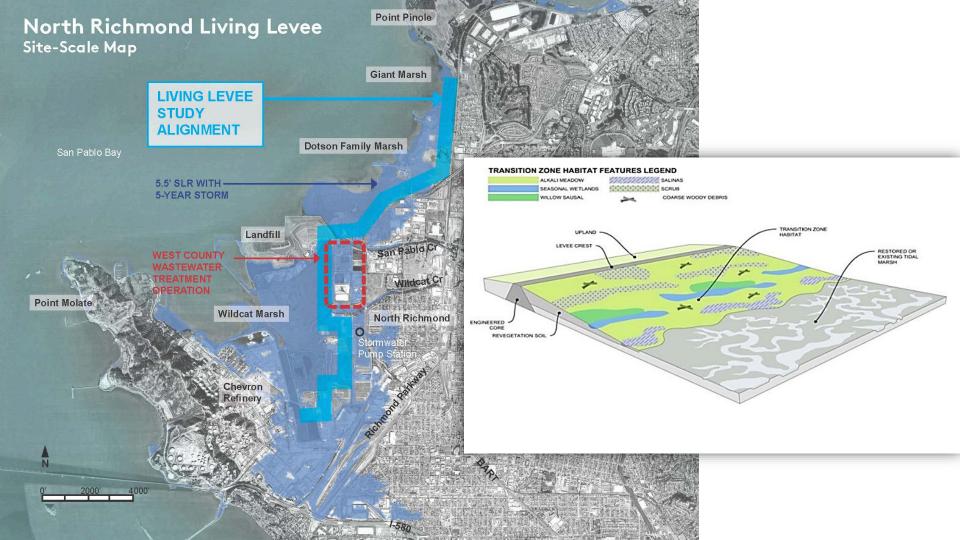














- Major stakeholders and environmental/community advocates met monthly for 1.5 years
- Developed shared understanding of bay rise projections and potential benefits of horizontal levee system
- WCWD submitted successful grant application to SFBRA for preliminary planning/conceptual design
- WCWD consultant team is now under contract, performing technical studies
 - Draft charter agreement underway with stakeholders to solidify roles and intent to partner

North Richmond Horizontal Levee Stakeholder Group

THANKS!

Any questions?