SAN FRANCISCO DISTRICT

NORTH BAY WATERSHED ASSOCIATION (NBWA) UPDATED AS OF 1 APR 2018

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AGENDA

- USACE Organization
- USACE Mission and Vision
- Challenges Framework
- Resiliency
- Sea Level Rise
- Regulatory
- Fire / Flood Master Plan
- Questions

The mission of the NBWA is to facilitate partnerships across political boundaries that promote stewardship of the North Bay watershed resources.









USACE ORGANIZATION

- DoD A Major Command in the Department of the Army – over 34,000 employees
- 3-Star General Officer
 Command headquartered in
 Washington, DC
- ASA(CW) provides Civil Works direction
- 9 Divisions and 43 Districts World-wide
- Geographic areas based on watershed boundaries
- 12,000 miles of inland waterways
- 926 harbors; >700 dams







South Pacific Division "Our Region"



South Pacific Division is one of nine USACE regional business centers. Four operating Districts plan, design, operate and maintain civil works and military projects and facilities within the region.





SAN FRANCISCO DISTRICT



U.S. Army Corps of Engineers (USACE) Mission

Deliver vital public engineering services, in collaboration with our partners, to secure our Nation, energize our economy, and reduce risks from disasters.

Vision

Provide Engineering solutions for the Nation's toughest challenges.

Goal 1: Support National Security.

Deliver innovative, resilient, and sustainable solutions to DoD and the Nation.

Goal 2: Deliver Integrated Water Solutions.

Deliver enduring and essential water resource solutions using effective strategies.

Goal 3: Reduce Disaster Risks.

Deliver support that responds to, recovers from, and mitigates disaster impacts to the Nation while ensuring sustainable operations.

Goal 4: Prepare for Tomorrow.

Build resilient People, Teams, Systems, and Processes to sustain a diverse culture of collaboration, innovation, and participation to shape and deliver strategic solutions.





PROFESSIONAL READING FRAMEWORK

Resiliency



Challenges

- Institutions for Multi-Level Cooperation
- Regional Adaptation Planning for Sea-Level Rise
- Funding Portfolio
- Integrated Permitting
- The Climate Science Enterprise
- Civic Engagement
- Political Leadership





Jun 2017

USACE PRINCIPLES OF RESILIENCE

RESILIENCE means "the ability to anticipate, prepare for, and adapt to changing conditions and withstand, respond to, and recover rapidly from disruptions." Presidential Executive Order 13653, Preparing the U.S. for Impacts of Climate Change (NOV 2013)



















SOUTH BAY SHORELINE PROJECT

- Flood Risk Management (FRM)
 - ▶ 4-mile long levee
- Manages risk for population of ~5,500, ~1,100 structures, & regional wastewater facility
- Ecosystem Restoration
 - 2,900 acres of tidal wetlands including ecotone
- Recreation
 - Provides key connections to San Francisco Bay Trail & viewpoints

ECOTONE AND LEVEE CROSS SECTION Levee **Ecotone** (transitional habitat) **Tidal Marsh Restoration** Union Pacific Railroad Flood Gate & Pedestrian Bridge Artesian Slough Tide Gate & Pedestrian Bridge Deep to Shallow Sub-tidal Inter-tidal 2 Upland Grassland (Levee) NOT TO SCAL **TIE INTO** A9 ACCREDITED LEVEE A14 A15 A10 A18 LEVEE A13 A11 ALVISO SLOUGH A12 WASTEWATER FACILITY **ALVISO** TIE INTO WATER ACCREDITED LEVEE PURIFICATION CENTER

South San Francisco Bay Shoreline Project – Brief to Regional Water Quality Control Board Wre: Executive Leaders from USACE and our project partners (13 DEC 17)

What: Briefing to the San Francisco Bay Regional Water Quality Control Baards achieve hav objectives: 1) Board to approve Water Quality Certification 2) Conve to the Board that the policy must change related impacts from ecotone fil and credit for converting sait pords into tidal habitat. The board vited and approved the Certification and agreed to work to review there policy as it extense to impacts and credit for ecosystem enhancement for future projects the Corps will be involved in.

Where: Board Meeting, Oakland, Cal







PROJECTS: HOW CAN THE CORPS HELP?

LARGE Projects (~\$11M to ~\$1B): ➤ General Investigation (GI)

Small Projects (generally ~\$2M to ~\$10M):
Continuing Authorities Program (CAP)

Technical Assistance (~\$1K to ~\$100K):

- Floodplain Management Services (FPMS)
- Planning Assistance to States (PAS)
- Interagency and International Services (IIS)

WRDA 2016 (Section 1126) Self Study





REGULATORY IN INTEGRATED PERMITTING

- Protect navigation and prevent obstructions in the nation's waters
- Protect the nation's aquatic environment, including wetlands
- Enhance the efficiency of regulatory program administration
- Provide fair and reasonable decisions





CORPS REGULATORY AUTHORITIES

Authority	Geographic	Activity	
Section 10 Rivers and Harbors Act of 1899	Navigable Waters of the United States	Regulates structures and work in, over, and under navigable waters / plane of mean high water	Residential Dock, Alameda, CA
Section 404 Clean Water Act of 1977	Waters of the United States (including wetlands)	Regulates the discharge of fill in waters of the U. S. including wetlands	Alameda Creek, Fremont, CA
Section 103 Marine Protection, Research, and Sanctuaries Act	Ocean	Regulates the transportation of dredged material for the purpose of ocean disposal	Hopper dredge Essayons, Pacific Ocean





PERMITTING STRATEGIES FOR RESTORATION PROJECTS

Consultation for potential impacts to endangered species with the U.S. Fish & Wildlife Service and/or National Marine Fisheries Service.



Above: East Bay Regional Park District's Dotson Family Marsh Project: 164 acres of tidal and seasonal wetland



Left: Sonoma Land Trust's Sears Point Project: 940 acres of tidal and seasonal wetland restoration and public access in southern Sonoma County.





REGULATORY OPPORTUNITY: PROPOSITION AA

SAN FRANCISCO BAY CLEAN WATER, POLLUTION PREVENTION AND HABITAT RESTORATION PROGRAM

Formal process: WRDA 214

Informal process: State and federal agencies form a coordinated permitting approach for multi -benefit wetland restoration projects in the nine Bay Area counties.









Develop system improvements

Implement mitigation measures / system improvements







US Army Corps of Engineers.

People – Team – Mission





of Engineers

- **Bridge:** Washington, D.C. (HQ, USACE; Congress; Administration) to the people in our Geographic Area solve the challenging problems for our Nation!
- **Tower and Foundation:** the people of SPN; the stronger the tower and foundation; the more we can support
- Cables: Our team and relationships tie us together with our partners, SPD, and D.C..; we are only as strong as the cabling tying us together
- Bridge Deck: the authorities by which we deliver solutions (some lanes are faster than others – at times, the pedestrian lane moves the fastest!)

Questions

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