U.S. ARMY CORPS OF ENGINEERS
FLOODPLAIN MANAGEMENT ASSOCIATION

BUILDING STRONG and Taking Care of People!

BG Mark Toy, P.E.
Commanding General
South Pacific Division

9 September 2015
It’s good to be back on the BEST Coast!

Taking command of SPD

Son in 2nd year at Cal

Daughter serving as Congressional Intern

24 years of marriage!
Chief of Engineers Visit

SOUTH PACIFIC DIVISION

- SACRAMENTO
- SAN FRANCISCO
- LOS ANGELES

BUILDING STRONG®
and Taking Care of People!
USACE Campaign Goals

Support National Security

Transform Civil Works

Prepare for Tomorrow

Reduce Disaster Risk

Engineering Solutions to the Nation's Toughest Challenges
Support National Security
Presidio of Monterey Project ~ Monterey, CA

REPAIR BARRACKS, BLDG. #630
Transform Civil Works
South San Francisco Shoreline Project ~ Alviso, CA

Levee
Ecotone (transitional habitat)
Tidal Marsh Restoration
1. Union Pacific Railroad Flood Gate & Pedestrian Bridge
2. Artesian Slough Tide Gate & Pedestrian Bridge

ECOTONE AND LEVEE CROSS SECTION

TIE INTO ACCREDITED LEVEE

ALVISO

ARTESSIAN SLOUGH

TIE INTO ACCREDITED LEVEE

WASTEWATER FACILITY

WATER PURIFICATION CENTER

BUILDING STRONG®
and Taking Care of People!
Prepare for Tomorrow
Leadership Engagement and Development
Reduce Disaster Risk
Joint Federal Project ~ Folsom, CA
USACE defines resilience as “the ability to anticipate, prepare for, and adapt to changing conditions and withstand, respond to, and recover rapidly from disruptions.”
Two sides of the same coin in California
The California Drought

California Department of Water Resources touring with Corps leadership
August 2015
Sacramento, CA
Floods ~ El Niño

Atmospheric River

Central CA >15 inches

rain
Multi-Purpose, Multi-Value
Concepts of Resilience

Prepare

Adapt

Absorb

Recover
- Plans
- Exercises
- Gaining and sharing knowledge
Managing, not controlling
- “Flood control” now “flood risk management”
- Ability to withstand and reduce impact
Repair the damage

- Repair the damage
- Recover
Building for the future

Science informs policy and engineering standards

Adapt
Life is a study of RESILIENCE…

Aging Infrastructure
Resilience is a partnership
BUILDING STRONG and Taking Care of People!
... by Taking Care of our Flood Control Partners!