

# Station 3 – Levee Problems and Needs

## SAFCA's Project Objectives

1. Provide at least a 100-year level of flood protection to the Natomas Basin as quickly as possible
2. Provide "200-year" protection to the Basin over time

## NEED FOR ACTION

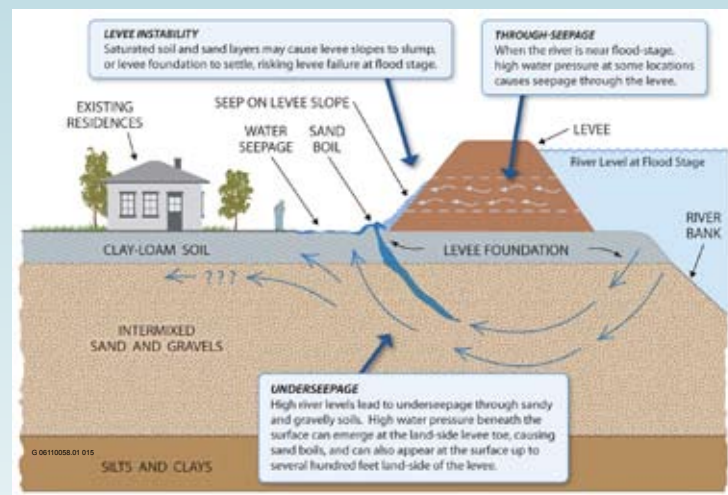
- ▶ Inadequate levee height
- ▶ Through-levee seepage and foundation underseepage with excessive hydraulic gradients
- ▶ Embankment instability, and
- ▶ Susceptibility to riverbank erosion and scour

## USACE PERMITTING REQUIRED

- ▶ Permission to alter Federal Project levees under Section 408 of the Rivers and Harbors Act of 1899
- ▶ Permission to place fill in jurisdictional waters of the U.S. under Section 404 of the Clean Water Act
- ▶ Permission to perform work in, under, or over navigable waters, and excavation of material from or deposition of material into navigable waters under Section 10 of the Rivers and Harbors Act of 1899

## RELATIONSHIP TO THE GENERAL RE-EVALUATION (GRR) OF THE COMMON FEATURES PROJECT

- ▶ USACE initiated a general re-evaluation of the Natomas Basin elements of the Common Features Project
- ▶ This followed changes in engineering standards, to address underseepage that were not identified when Congress authorized the project in 1996 and modified the authorization in 1999
- ▶ USACE to present a GRR to Congress in 2010 likely recommending project scope and cost modifications
- ▶ The NLIP will be considered in the GRR



## Natomas Basin Levee Deficiencies

