



# KNOW YOUR RISK

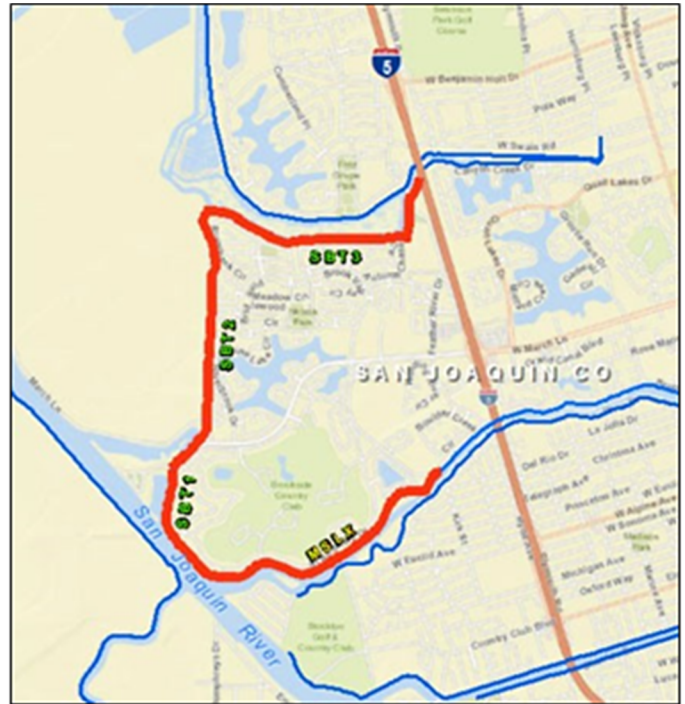
## LEVEE INSPECTION RESULTS GUIDE FLOOD RISK PRIORITIES

### UNDERSTANDING YOUR RISK

The US Army Corps of Engineers (USACE), Sacramento District, routinely inspects all levees within its area of responsibility as part of the Levee Safety Program. Inspections are performed to monitor the overall condition of the levee, identify conditions that could impact levee performance, verify that required maintenance is occurring, determine eligibility for federal rehabilitation assistance (in accordance with the Public Law 84-99 Rehabilitation Program), and provide information about the condition of the levee to communities who live and work behind them.

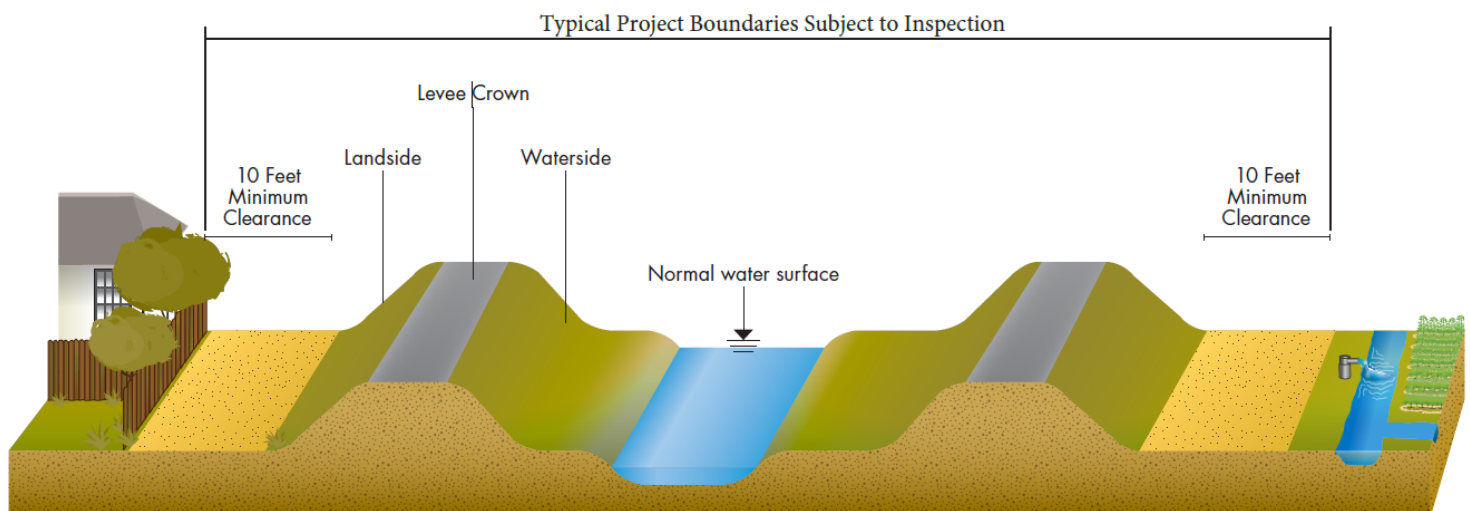
### What Was Inspected?

The USACE performed an inspection of project levees in the *Mormon Slough—Calaveras River Right Bank—Reclamation District 2074* system in August 2020. The levees highlighted red on the map to the right identify levees within the jurisdictional boundaries of the Reclamation District (RD) 2074 and the Central Valley Flood Protection Board, which are agencies responsible for levee operation, maintenance, repair, rehabilitation, and replacement activities. These levees reduce the risk of flooding to a portion of the City of Stockton in San Joaquin County and are the subject of this flyer. Other levees outside the jurisdictional boundaries of RD 2074 are shown in blue on the map.



### What Do We Look For During an Inspection?

Anything that may negatively impact the levee integrity, inhibit operations and maintenance, or prevent emergency response personnel from conducting their operations (such as flood fighting) when required. Flood risk and levee conditions change over time: banks erode, closures rust, animals burrow, and pipes wear out. Ongoing inspection, maintenance and repairs are needed to reduce flood risk. An inspection checklist, which includes 125 specific categories associated with levee operations and maintenance, is used to evaluate levee embankments, floodwalls, interior drainage, pump stations, and channel project features within a project's boundaries, as applicable. The figure below shows a cross-section of a typical levee project and areas subject to inspection.



## How are Inspection Results Used?

Following completion of an inspection, results are provided to non-federal sponsors to guide operation and maintenance management activities. Inspection information also contributes to risk assessments and informs levee accreditation decisions for the National Flood Insurance Program administered by the Federal Emergency Management Agency (FEMA).

## REDUCING YOUR RISK

### Operations and Maintenance Actions Underway

RD 2074 conducts high tide levee patrols both during and outside the flood season. RD 2074 also conducts biannual visual inspections on foot of the entire levee system to monitor issues such as vegetation, erosion/sloughing, settlement and existing or new levee lot homeowner encroachments. RD 2074 coordinates with various entities including San Joaquin County, City of Stockton Municipal Utilities Department, East Bay Municipal Utility District, Brookside Golf Course and Master homeowner associations regarding current levee conditions and public use. RD 2074 facilitates levee maintenance projects annually during the summer in which various maintenance and repair items are constructed. All work is conducted in accordance with a Routine Maintenance Agreement with the California Department of Fish and Wildlife (CDFW) and a System Wide Improvement Framework (SWIF), which outlines the plan to address identified deficiencies and improve the risks associated with the levee system to an acceptable level.

### Challenges

Challenges in maintaining the levee system to project standards include the time required for coordination between various agencies, levee lot homeowners and RD 2074. RD 2074 also needs to comply with the Routine Maintenance Agreement with CDFW on the work window during which maintenance/non-emergency repair work on the levees can be performed.

### What You Can Do

Understanding your risk is important. But it's also important to know that when you live behind a levee there will always be flood risk. Here are some tips to help you prepare for a potential emergency.

- Prepare an emergency action plan for your family
- Build an emergency supply kit
- Visit [Ready.gov](https://www.ready.gov) for more ideas and resources

For more information on the USACE Sacramento District Levee Safety Program, visit:  
[www.spk.usace.army.mil/Missions/Civil-Works/Levee-Safety-Program](http://www.spk.usace.army.mil/Missions/Civil-Works/Levee-Safety-Program)

For more information on this levee system and other levees in the region, visit the National Levee Database at <https://levees.sec.usace.army.mil/>