



**US Army Corps
of Engineers** ®
Los Angeles District



**SAN TIMOTEO CREEK 1
LEVEE SYSTEM
SAN BERNARDINO COUNTY, CALIFORNIA
NLD SYSTEM ID # 3805030025**

**PERIODIC INSPECTION REPORT NO. 1
GENERALIZED EXECUTIVE SUMMARY**

FINAL SYSTEM RATING: MINIMALLY ACCEPTABLE

FINAL RATING DATE: SEPTEMBER 27, 2016

PERIODIC INSPECTION REPORT PREPARED BY THE
U.S. ARMY CORPS OF ENGINEERS, LOS ANGELES DISTRICT

SUBMITTED: AUGUST 2016
INSPECTED: NOVEMBER 10, 2015

EXECUTIVE SUMMARY

This Executive Summary provides an introduction to the periodic inspection, an overview of the San Timoteo Creek 1 (STC1) Levee System, a summary of the major findings of the periodic inspection of the STC1 Levee System, and the overall rating for the STC1 Levee System.

1.1 Scope and Purpose of Periodic Inspections

The purpose of the STC1 Levee System periodic inspection is to identify deficiencies that pose hazards to human life or property. The inspection is intended to identify the issues in order to facilitate future studies and associated repairs as appropriate.

This assessment of the general condition of the STC1 Levee System is based on available data and visual inspections. Detailed investigation and analysis involving hydrologic design, topographic mapping, subsurface investigations, testing, and detailed computational evaluations are beyond the scope of this levee system inspection.

1.2 System Summary

The STC1 Levee System is located on the right/east bank of the San Timoteo Creek (STC) Channel in the state of California, in San Bernardino County, in the city of San Bernardino (Figure 1). The STC1 Levee System was federally authorized and subsequently constructed by the U.S. Army Corps of Engineers, Los Angeles District (USACE SPL). Construction of the STC1 Levee System was completed in October 1996 (USACE SPL 2006). The STC1 Levee System is now entirely operated and maintained by the San Bernardino County Flood Control District (SBCFCD). The National Levee Database Number (NLD No.) for the STC1 Levee System is 3805030025.

The STC1 Levee System, along the San Timoteo Creek (STC) Channel, extends upstream from about Hospitality Lane (Station 33+40) to beyond the I-10 freeway bridge crossing (Station 46+70) and onramp road, a distance of 1,330 feet (0.25-mile). The STC1 Levee System has a rectangular channel, landscape berm, floodwall, four side-drain junction structures, and two vehicle bridge crossings.

1.3 Summary of Major Deficiencies Found

The Periodic Inspection of the STC1 Levee System was conducted on November 10, 2015, and SBCFCD staff was present. During the inspection of the levee system, deficiencies were noted for which remedial actions are required. The following main deficiency of the project features was noted during the Periodic Inspection:

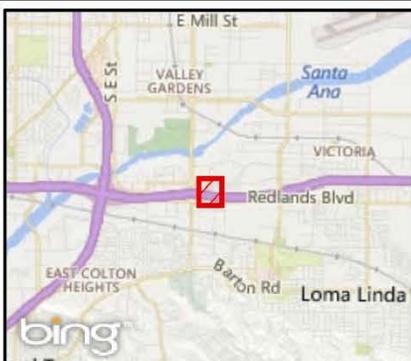
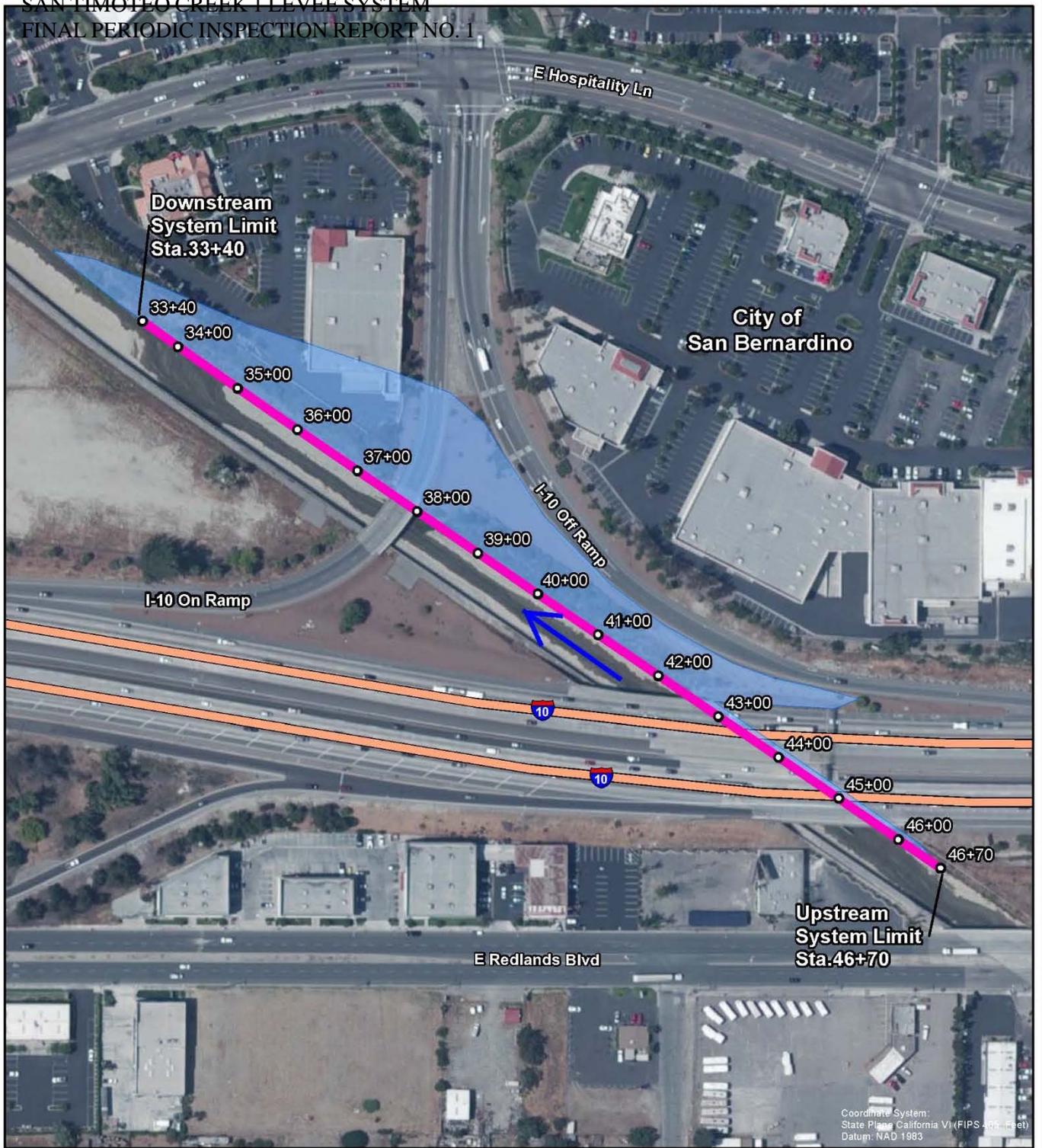
- Levee Embankment:
 - Non-Compliant Vegetation Growth: Significant vegetation growth including trees with trunks larger than 2-inches in diameter and shrubs were present within the easement area.

1.4 Overall Rating

The Levee Safety Out-Brief Meeting was held on May 26, 2016. An engineering determination has concluded that the observed deficiencies could prevent the STC1 Levee System from performing as intended during the next significant runoff event. Therefore, the Levee Safety Officer (LSO), Los Angeles District, has determined the overall rating of the STC1 Levee System to be “Minimally Acceptable.”

A Minimally Acceptable system rating is defined as, “One or more items are rated as Minimally Acceptable or one or more items are rated as Unacceptable and an engineering determination concludes that the Unacceptable items would not prevent the segment/system from performing as intended during the next significant runoff event.”

The local sponsor will be notified of the overall rating of the levee system by letter with instructions to correct the Unacceptable rated items as soon as possible, not to exceed two years, and to correct the Minimally Acceptable rated items so that they do not deteriorate further and become Unacceptable.



Legend

- Levee Station Point
- Levee System Alignment
- Leveed Area



1 inch = 200 feet

**LOCATION AND
 LEVEED AREA MAP**



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Figure 1

FIGURE 1