



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



RIO HONDO UPPER 6 LEVEE SYSTEM

LOS ANGELES COUNTY, CALIFORNIA
NLD SYSTEM ID # 3805010105

PERIODIC INSPECTION REPORT NO 1
GENERALIZED EXECUTIVE SUMMARY

FINAL SYSTEM RATING: MINIMALLY ACCEPTABLE
FINAL RATING DATE: JULY 28, 2014

PERIODIC INSPECTION REPORT PREPARED BY PRAAD/GENTERRA/TABER, LLC
FOR THE U.S. ARMY CORPS OF ENGINEERS, LOS ANGELES DISTRICT

SUBMITTED: MARCH 2014
INSPECTED: JUNE 26, 2013

EXECUTIVE SUMMARY

This Executive Summary provides an introduction to the periodic inspection (PI), an overview of the Rio Hondo Upper 6 Levee System, a summary of the major findings of the periodic inspection, and the overall rating for the system.

1.1 Scope and Purpose of Periodic Inspection

The purpose of the Rio Hondo Upper 6 Levee System (RHU6) periodic inspection is to identify deficiencies that pose hazards to human life or property. The inspection report summarizes the identified deficiencies in order to facilitate future studies and associated repairs, as appropriate.

This current assessment of the general condition of the levee system is based on available data and visual inspection. 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 Rio Hondo Upper 6 Levee System is located in the City of El Monte, in Los Angeles County, in the State of California. The National Levee Database (NLD) shows RHU6 along the left (south) bank of the Upper Rio Hondo Channel, from STA. 832+50 (Peck Road Spreading Basin) to STA. 808+00 (approximately 140 feet northeast of Santa Anita Avenue Bridge), with a total length of about 0.46 miles (2,450 feet). Figure 1 shows the RHU6 extents and leveed area.

RHU6 is aligned parallel to the Rio Hondo Channel, which is a trapezoidal-shaped channel that has concrete-lined slopes and a concrete channel bottom constructed over a compacted subgrade. RHU6 includes side drainage structures and a subdrain system.

RHU6 improvements were federally authorized by the Flood Control Act of 1950, and were federally constructed in 1959.

RHU6 consists of one segment and is operated by the Los Angeles County Department of Public Works (LACDPW). A bike trail made of asphalt concrete (AC) paving has been constructed on the crown of the levee.

The RHU6 is identified in the NLD as System ID No. 3805010105.

1.3 Summary of Major Deficiencies Found

RHU6 was inspected on June 26, 2013 by the PGT inspection team. The local sponsor representative assisted with granting access along the length of the levee but was not present the entire duration of the inspection. Each observed item during the site inspection was rated as Unacceptable, Minimally Acceptable, or Acceptable. During this periodic inspection of the system, several deficiencies of concern were rated as Unacceptable for which remedial actions are required. The following major deficiencies (Unacceptable items) were noted during the periodic inspection of the project features:

- Large trees and significant vegetative growth on the landside of the levee crown, within and just beyond apparent right-of-way limits but within the vegetation free zone;
- Side drains that have not been video inspected or their inspection documentation was not provided;
- Side drains were observed in the field that are not on As-Built plans and no approved USACE permits were found; and,
- Local depressions and voids were observed beneath concrete slope and crown paving.

1.4 Overall Rating

The Levee Safety Out-Brief Meeting was held on November 14, 2013. An engineering determination as to the overall levee rating was made for this levee system. The Rio Hondo Upper 6 Levee System is rated as “Minimally Acceptable.”

A “Minimally Acceptable” system rating is where 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 immediately and to correct the Minimally Acceptable rated items within two years so that they do not deteriorate further and become Unacceptable.

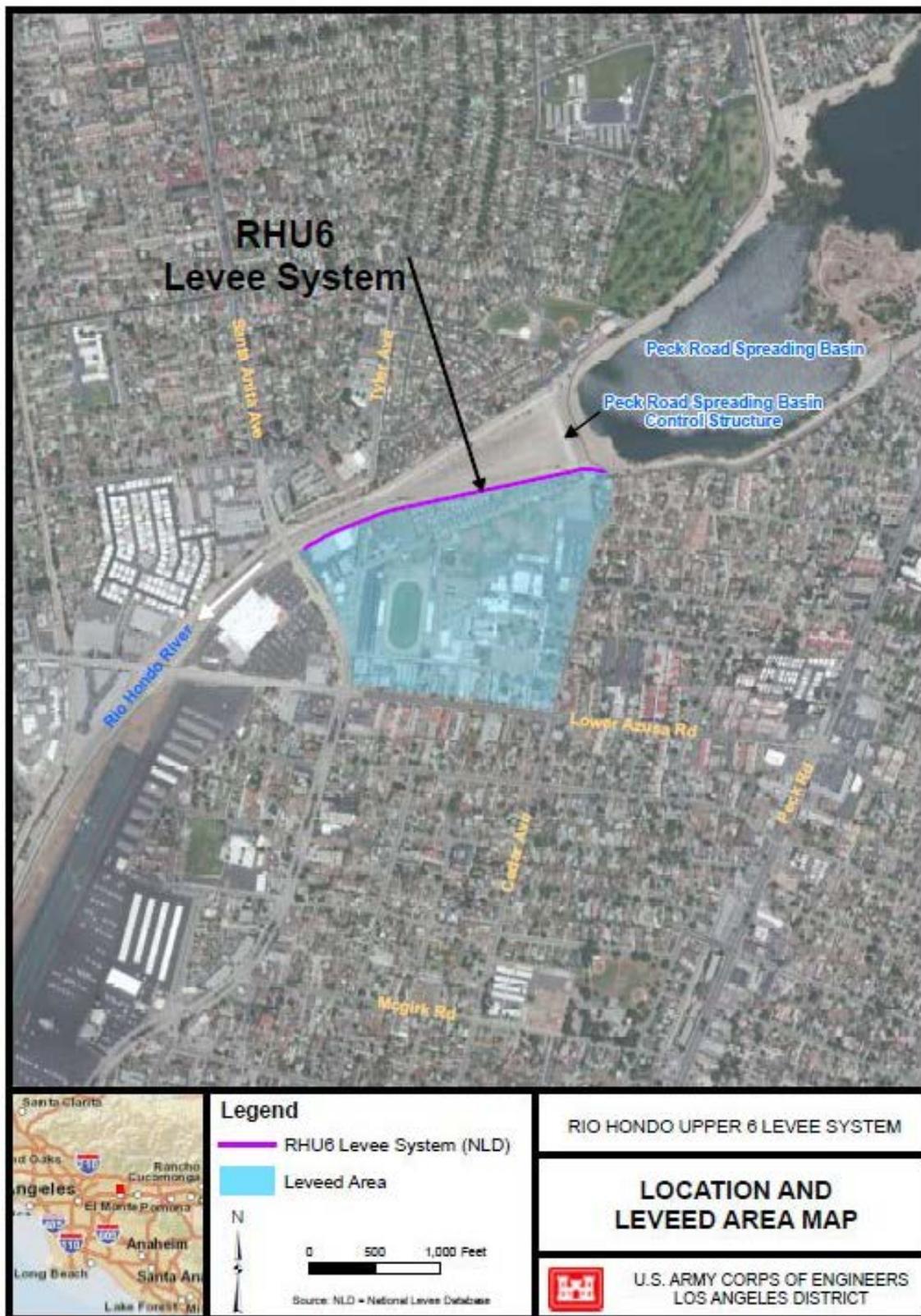


Figure 1: Rio Hondo Upper 6 Levee System