



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



RIO HONDO UPPER 2 LEVEE SYSTEM
LOS ANGELES COUNTY, CALIFORNIA
NLD SYSTEM ID # 3805010101

PERIODIC INSPECTION REPORT NO 1
GENERALIZED EXECUTIVE SUMMARY

FINAL SYSTEM RATING: MINIMALLY ACCEPTABLE
FINAL RATING DATE: OCTOBER 8, 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 4, 2013

EXECUTIVE SUMMARY

This Executive Summary provides an introduction to the periodic inspection, an overview of the 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 2 Levee System (RHU2) 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 assessment of the general condition of the 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 RHU2 is located in the cities of El Monte and South El Monte, in Los Angeles County, in the State of California. The National Levee Database (NLD) shows the RHU2 along the right (west) bank of the Rio Hondo, from approximate STA. 671+00 (junction with Eaton Wash) to STA. 632+40 (junction with Rubio Wash), with a total length of about 0.73 miles (about 3,840 feet). The NLD System ID Number is 3805010101. Figure 1 shows the extent of and leveed area for the RHU2.

The RHU2 is a trapezoidal channel with concrete lined slopes and invert. The RHU2 includes side drainage structures.

The RHU2 improvements were federally authorized by the Flood Control Act of 1950 and were federally constructed by 1957.

The system contains two segments, Rio Hondo Upper 2a (RH2a) and Rio Hondo Upper 2b (RH2b). RH2a is operated by the Los Angeles County Department of Public Works and RH2b is operated by the U.S. Army Corps of Engineers, Los Angeles District.

1.3 Summary of Major Deficiencies Found

The RHU2 was inspected on June 4, 2013. Local sponsor and USACE representatives were present for part of the periodic inspection. During the periodic inspection of the system, several deficiencies were noted for which remedial actions are required. Each item of concern observed during the site inspection was rated Unacceptable, Minimally Acceptable, or Acceptable. The following major deficiencies (Unacceptable items) were noted during the periodic inspection of the project features:

- Large trees or tree stumps and significant weed growth on the landside of the levee crown or in the crown itself;
- Side drains that have not been inspected or their inspection documentation was not provided (and one side drain has a non-functioning flap gate);
- Local settlement of concrete slope paving;
- Landside embankment slope erosion due to precipitation runoff; and
- Subdrains that have not been serviced / maintained or the records of such maintenance have not been provided.

1.4 Overall Rating

The Levee Safety Out-Brief Meeting was held on November 14, 2013. An engineering determination has concluded that the observed deficiencies would not prevent the system from performing as intended during the next significant runoff event. Therefore, the Levee Safety Officer, Los Angeles District, has determined the overall system rating to be “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.

