



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



SAN DIMAS WASH 7 LEVEE SYSTEM
LOS ANGELES COUNTY, CALIFORNIA
NLD SYSTEM ID # 3805010066

PERIODIC INSPECTION REPORT NO 1
GENERALIZED EXECUTIVE SUMMARY

FINAL SYSTEM RATING: MINIMALLY ACCEPTABLE
FINAL RATING DATE: FEBRUARY 27, 2015

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

SUBMITTED: DECEMBER 2014
INSPECTED: MAY 8, 2014

EXECUTIVE SUMMARY

This Executive Summary provides an introduction to the San Dimas Wash 7 Levee System (SDW7) Periodic Inspection Report No. 1, 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 Inspections

The purpose of the SDW7 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 current 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 SDW7 is located in the city of San Dimas, in Los Angeles County, in the State of California. The National Levee Database (NLD) shows the SDW7 along the right (north) bank of the San Dimas Wash, from approximate STA. 398+27.12 (approximately 1,600 feet upstream of Foothill Boulevard) to STA. 369+77.49 (downstream edge of the San Dimas Avenue bridge abutment), with a total length of about 0.57 miles. Figure 1.1 shows the SDW7 extents and leveed area per the NLD.

SDW7 includes an unlined channel with trapezoidal levees (upstream portion), a rectangular lined channel with reinforced concrete walls and invert (downstream portion), and a reinforced concrete box (RCB) culvert under Foothill Boulevard. SDW7 includes side drainage structures (see Parts 3.1 and 3.1.2).

Based on field observations, the levee is 0 feet in height (landside levee toe to levee crown) from approximate STA. 398+27.12 to STA. 391+76.27, and approximate STA. 388+30 to STA. 369+77.49, which are the recommended channel reaches (see Figure 1.2). As a result, the length of the levee is recommended to change from 0.57 miles (per NLD) to 0.09 miles (per field observation), from approximate STA. 391+76.24 to STA. 388+30 (see Part 6). The levee reach is relevant to the Periodic Inspection of the levee system. However, the channel reaches were separated from the levee reach to retain the channel reach information that was obtained during the field inspection of the levee system.

The SDW7 improvements were federally authorized by the Flood Control Act of 1941 and were federally constructed by 1962. The SDW7 is operated by the Los Angeles County Department of Public Works (LACDPW).

1.3 Summary of Major Deficiencies Found

SDW7 was inspected on May 8, 2014. The local sponsor (LACDPW) and USACE representatives were present for 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 Acceptable, Minimally Acceptable, or Unacceptable. The following major deficiencies (Unacceptable items) were noted during the periodic inspection of the project features:

- Large trees, tree stumps, and significant vegetative growth on the landside and/or riverside of the levee.

1.4 Overall Rating

The Levee Safety Out-Brief Meeting was held on August 6, 2014. An engineering determination as to the overall levee rating was made for this levee system. The San Dimas Wash 7 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 1.1



Figure 1.2