



# SANTA ANA RIVER BASIN, CA

Operations & Maintenance

**U.S. ARMY CORPS OF ENGINEERS**

**BUILDING STRONG.**

## LOCATION AND DESCRIPTION:

a. BREA DAM: Located 2 miles north of the city of Fullerton.

Project Elements: Dam and Appurtenances (87-foot-high; 1,765-foot-long; 4,009-acre-foot cap at spillway crest - 1964), 1 Recreation Area - # of visitors to Recreation Area was 44,718 in FY 2013. Initially Operational/ Fully Operational FY42/FY42

b. CARBON CANYON DAM: Located 16 miles NE of the city of Santa Ana.

Project Elements: Dam and Appurtenances (99 feet-high; 2,150-foot-long; 6,614-acre-foot cap at spillway crest - 1977), 1 Recreation Area - # of visitors to Recreation Area 136,760 in FY 2013. Initially Operational/ Fully Operational FY61/FY61.

c. FULLERTON DAM: Located 2 miles NE of the City of Fullerton.

Project elements: Dam and Appurtenances (46 feet-high; 575 ft-long; 764 acre-foot cap at spillway crest 1969), 1 Recreation Area - # of visitors to Recreation Area 282,164 in FY 2013. Initially Operational/Fully Operational FY41/FY41.

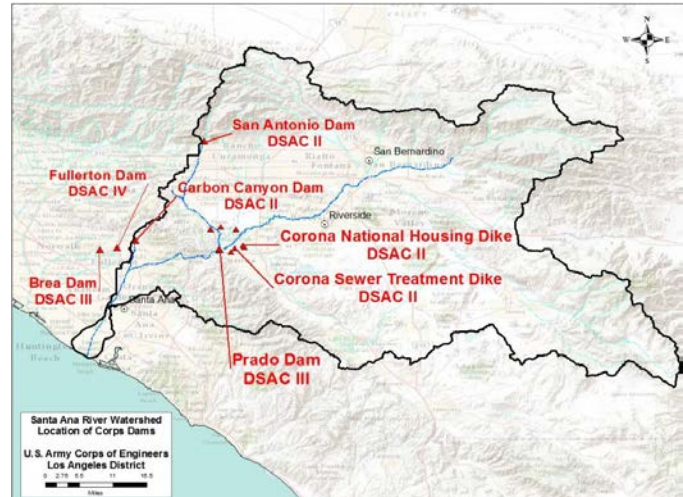
d. PRADO DAM: Located 45 miles E of the City of Los Angeles.

Project elements: Dam & Appurtenances (106 ft-high; 2,280 ft-long; 196,235 acre-ft cap at spillway Crest - 1980), 3 Recreation Areas - # of visitors to Recreation Areas 3,091,129 in FY 2013. Initially Operational/Fully Operational FY41/FY41

e. SAN ANTONIO DAM: Located 7 1/2 miles N of the City of Pomona.

Project elements: Dam and Appurtenances (160 ft-high; 3,850 ft-long; 7,703 acre-ft cap at spillway crest 1981), Initially Operational/Fully Operational FY56/FY56.

f. SAN ANTONIO AND CHINO CREEKS CHANNELS: Located 30 miles E of the City of Los Angeles. Project elements: 15.7 miles of channel. Initially Operational – FY60 Fully Operational – FY61



As of 3 Feb 17

## Operations & Maintenance

## SUMMARIZED FINANCIAL DATA:

Estimated Federal Cost	4,560,000
Estimated Non-Federal Cost	0
Total Estimated Project Cost	4,560,000
Allocation thru FY16	4,560,000
Allocation for FY17	TBD
President's Budget for FY18	TBD
House Report for FY18	TBD
Senate Report for FY18	TBD
Balance to Complete After FY18	N/A

AUTHORIZATION: Flood Control Act of 1936 (as amended 1938)

ACTIVITIES FOR FY 2017: Funds will be used for Operation of buildings, dams, grounds, utilities, recreation and service facilities, O&M project and program management, real estate/land management, water control & quality management, dam & levee safety, maintenance of all channels, levees & dams, real estate permits & out-granting, Fullerton Dam safety periodic inspection.

**U.S. ARMY CORPS OF ENGINEERS – LOS ANGELES DISTRICT**

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**FY18 PLANNED ACCOMPLISHMENTS:** Funds would be used for:

OPERATION - Funds would be used for minimum operational and maintenance requirements; environmental/resource land management; water control and quality management; real estate compliance; utilization inspections; dam safety oversight; project/program management.

MAINTENANCE - Funds would be used for servicing facilities & minimum level maintenance requirements; environmental/resource land management; electrical system replacement at Brea Dam and other flood risk management activities.

**ISSUES AND OTHER INFORMATION:** Project condition of Dams is UNSAFE to CONDITIONALLY UNSAFE. All but one of the dams (Fullerton Dam) within the system have a DSAC II or DSAC III rating. DSAC II dams are classified as potentially unsafe. DSAC III dams are classified as significantly inadequate, moderate to high risk, high priority, conditionally unsafe. Project condition of channels is good; however the condition of the levees is poor and requires extensive rehabilitation and repair. An agreement has been reached with Orange County Water District to increase water conservation at Prado Dam up to elevation 505”.

A failure of any of the dams within the system would cause large economic loss and catastrophic loss of life within Los Angeles County, Orange County, Riverside County, San Bernardino County, and the surrounding Cities.

Screening Portfolio Risk Assessments (SPRA) have been completed for all dams within the SARB system resulting in the following Dam Safety Action Classification (DSAC) ratings: DSAC II: San Antonio Dam, Prado Dam, and Carbon Canyon Dam; DSAC III: Brea Dam. Interim Risk Reduction Measures Plans (IRRMP) are required for all DSAC II, & III dams. IRRMP's were finalized in FY12.

The five (5) District flood control projects within the SARB system are reaching over 73 years of service and are in need of rehabilitation of dam component repair, such as hydraulic systems, motors, gates, and generators, prior to component failure at projects. The FY2009 Carbon Canyon fire resulted in a large increase in sediment within the Carbon Canyon Dam flood control basin.

Current project funding received through the O&M program does not meet growing deferred maintenance requirements for the five flood risk management projects and 15.7 miles of flood control channels and levees within the flood control system. The project is currently funded at less than 12% of O&M capability; causing a continued increase in deferred maintenance, repairs, and inspections needed to properly O&M the SARB system.

**CONGRESSIONAL INTEREST:**

Congresspersons Aguilar (CA-31), Torres (CA-35), Royce (CA-39), Walters (CA-45)