

NATIONAL PARK SERVICE, WESTERN REGION
HISTORIC AMERICAN ENGINEERING RECORD

HAER
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19-LITRO.U.
1-

INDEX TO PHOTOGRAPHS

Littlerock Dam
On Little Rock Creek
Littlerock Vicinity
Los Angeles County
California

HAER no. CA-8

Documentation: 12 exterior photographs (1981)
53 data pages (1981)

Jet Lowe, Photographer, September 1981

- CA-8-1 General view of dam looking west, showing both the downstream buttresses and the upstream arch-rings. The spillway is on the far end of the dam.
- CA-8-2 Long-distance view of downstream side, looking west. The area encompassed by the reservoir is also shown beyond the dam.
- CA-8-3 General view of upstream face, looking northwest. Spillway is at the far end of the dam. The Antelope Valley is visible in center background.
- CA-8-4 General view of downstream face, looking east. The spillway is partially visible in upper right-hand corner.
- CA-8-5 Downstream face, looking south.
- CA-8-6 General view of downstream face, looking south. Spillway is to the right.
- CA-8-7 Detail view of reinforced concrete arch-rings comprising dam's upstream face. Impressions of the wooden formwork used in construction are visible in the concrete.
- CA-8-8 Detail view of downstream side, looking south. Buttresses, strut-tie beams, and arch-rings are shown. The white discoloration on the concrete is the result of efflorescence.
- CA-8-9 View across top of dam, looking west. The angle of the dam is evident. View also provides a close-up view of downstream side of an arch-ring
- CA-8-10 General view of buttresses, looking west. The batter of the buttresses is shown clearly.

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- CA-8-11 Detail view of an arch-ring, strut-tie beams, and buttress walls included in one bay of the dam. View is looking down from dam's walkway on the downstream side.
- CA-8-12 View of buttresses, looking down from top of the dam. The stream bed of Little Rock Creek is also shown.
- CA-8-13 Photocopy of a photograph--ca. 1896--showing wooden arch bridge over the North Fork of the San Joaquin River north-east of Fresno, CA. This structure was designed by Eastwood as part of the San Joaquin Electric Company's hydroelectric plant; it is a design that indicates his interest in the structural capabilities of the arch before he began building multiple arch dams. Courtesy Mr. Charles Allan Whitney.
- CA-8-14 Photocopy of a photograph--ca. 1902--taken by A.W. Peters showing Eastwood and his party surveying for the Big Creek Project. The surveying party is visible in the upper right corner. Courtesy Mr. Charles Allan Whitney.
- CA-8-15 Photocopy of a photograph--ca. 1902--showing Eastwood involved in a gauging a stream as part of the Big Creek Project. Courtesy Mr. Charles Allan Whitney.
- CA-8-16 Photocopy of a photograph--ca. 1917--showing Eastwood and others inspecting the newly built Murray Dam in San Diego County, CA. Courtesy Mr. Charles Allan Whitney.
- CA-8-17 Photocopy of a photograph--ca. 1920--showing newly completed Argonaut Dam near Jackson, CA. Structure was built by the Argonaut Mining Company. Courtesy Mr. Charles Allan Whitney.
- CA-8-18 Photocopy of a photograph--ca. 1950--showing Lake Hodges Dam in San Diego County, CA., during a period of low water. Courtesy Mr. Charles Allan Whitney.
- CA-8-19 Photocopy of a photograph--ca. 1923-- showing the Anyox Dam in British Columbia, Canada, just prior to completion of final arching. A sudden storm filled the reservoir and water began pouring over the uncompleted arch-ring; the dam was unhurt by the unexpected deluge and Eastwood used this photo as evidence of the great strength of his designs. Courtesy Mr. Charles Allan Whitney.

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ADDENDUM TO LITTLEROCK DAM

Little Rock Creek
Littlerock Vicinity
Los Angeles County
California

The new record name reflects the history name of the structure.

Oscar Weser, Photographer June 1993 (CA-8-20 through CA-8-25)

David G. De Vries, Photographer June, 1993 (CA-8-26 through CA-8-54)

Photographs CA-8-1 through CA-8-19 were transmitted to the Library of Congress previously.

- CA-8-20 DISTANT HELICOPTER VIEW TO SOUTHEAST UP LITTLE ROCK CREEK CANYON, WITH DAM AND RESERVOIR AT RIGHT CENTER. PALMDALE-LITTLEROCK DITCH, MARKED BY DENSE VEGETATION, CROSSES ROAD AT LOWER CENTER.
- CA-8-21 MID-DISTANCE HELICOPTER VIEW TO SOUTHEAST, DAM AND RESERVOIR.
- CA-8-22 MID-DISTANCE HELICOPTER VIEW TO SOUTHWEST, DAM AND RESERVOIR.
- CA-8-23 HIGH, DISTANT HELICOPTER VIEW TO NORTHWEST, OVER RESERVOIR AND DAM TOWARD THE TOWN OF PALMDALE.
- CA-8-24 HELICOPTER VIEW TO NORTH OVER RESERVOIR AND DAM.
- CA-8-25 HELICOPTER VIEW TO NORTHEAST, RESERVOIR AND DAM.
- CA-8-26 LANDSCAPE CONTEXT OVERVIEW OF LITTLEROCK CREEK CANYON, WITH DAM IN DISTANCE.
- CA-8-27 WIDE ANGLE VIEW OF ENTIRE DAM FACE.

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- CA-8-28 DOWNSTREAM (NORTH) ELEVATION, DETAIL OF EAST HALF SHOWING OUTLET PIPES.
- CA-8-29 WEST END OF DAM, LOOKING SOUTHEAST, SHOWING DOWNSTREAM FACE OF SPILLWAY.
- CA-8-30 LOOKING UP AT DAM FACE FROM OUTLET PIPES DISCHARGE POINT.
- CA-8-31 OUTLET PIPES AT BASE OF DAM, EAST END OF DOWNSTREAM ELEVATION.
- CA-8-32 ANGLED BUTTRESSES ON DAM FACE. REBAR MARKS LOCATION OF FORMER METAL LADDER TO CATWALK.
- CA-8-33 INTERIOR OF OUTLET PIPE CHAMBER.
- CA-8-34 VALVES AT SOUTH END OF OUTLET PIPE CHAMBER.
- CA-8-35 VALVES AT OUTLET PIPES DISCHARGE POINT, ABOUT FIFTY FEET NORTH OF BASE OF DAM.
- CA-8-36 CONCRETE COVERED SPILLWAY AT WEST SIDE OF DAM.
- CA-8-37 SPILLWAY AND DISCHARGE AREAS FROM ACCESS ROAD.
- CA-8-38 VIEW TO SOUTH OVER RESERVOIR INTO LITTLEROCK CREEK WATERSHED.
- CA-8-39 UPSTREAM (SOUTH) ELEVATION OF DAM FROM CAMPGROUND AT SOUTHWEST END OF RESERVOIR.
- CA-8-40 UPSTREAM ELEVATION FROM 1/4 MILE SOUTH OF BOAT LAUNCHING AREA.
- CA-8-41 UPSTREAM ELEVATION, FROM ATOP NEARBY KNOLL. VIEW TO NORTHEAST.
- CA-8-42 LOOKING EAST ACROSS DAM AND SPILLWAY LIP, SHOWING ANGLE IN DAM ALIGNMENT.

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- CA-8-43 OVERVIEW OF FLUME FROM CANYON ACCESS ROAD NORTH OF DAM.
- CA-8-44 DETAIL, FLUME OVER LITTLEROCK CREEK.
- CA-8-45 FIRST CONCRETE CANAL STRUCTURE NORTH OF DAM.
- CA-8-46 OPENING TO UNDERGROUND CHANNEL; SECOND CONCRETE CANAL STRUCTURE NORTH OF DAM.
- CA-8-47 COBBLE WALL ABOVE UNDERGROUND WATER CHANNEL.
- CA-8-48 RIPARIAN VEGETATION ON LITTLEROCK CREEK JUST NORTH OF DAM.
- CA-8-49 RAISED CONCRETE CANAL AND TUNNEL THROUGH ROCK OUTCROP, LOOKING TO SOUTHEAST.
- CA-8-50 CONCRETE CANAL, LOOKING TO NORTHWEST.
- CA-8-51 CONCRETE CANAL AND BUTTRESS, WELL ABOVE CANYON FLOOR, LOOKING TO SOUTHWEST.
- CA-8-52 GATE VALVE AT LITTLEROCK CANAL DIVERSION POINT.
- CA-8-53 SERVICE ROAD BRIDGE ON PALMDALE CANAL.
- CA-8-54 EARTH LINED CANAL NORTH OF BRIDGE.

Note: Photographs Nos. CA-8-55 through CA-8-62 are contact prints from 4x5 inch copy negatives of photographs curated at the offices of the Littlerock and Palmdale Water Districts, Palmdale, California.

- CA-8-55 "LITTLE ROCK DAM - JUNE 1923." VIEW OF DOWNSTREAM FACE DURING CONSTRUCTION. Photographer unknown.
- CA-8-56 DOWNSTREAM FACE DURING CONSTRUCTION; MATERIALS TRANSPORT SYSTEM IN PLACE. No date. Photographer unknown.

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- CA-8-57 UPSTREAM FACE DURING CONSTRUCTION, FROM THE WEST;
SIPHON SPILLWAY AT LEFT. No date. Photographer unknown.
- CA-8-58 MATERIALS TRANSPORT SYSTEM ON UPSTREAM FACE DURING
CONSTRUCTION. No date. Photographer unknown.
- CA-8-59 VIEW LOOKING WEST FROM EAST TOP DURING CONSTRUCTION.
No date. Photographer unknown.
- CA-8-60 PANORAMIC VIEW OF DOWNSTREAM FACE. No date, but believed to
be just subsequent to construction. Photograph by C.G. Duffey, Long Beach,
California. (38" x 11" framed print).
- CA-8-61 "LITTLEROCK DAM - LOOKING FROM LEFT TO RIGHT ABUTMENT-
SPILLWAY DISCHARGING." No date; probably 1960s. Photographer
unknown.
- CA-8-62 WOODEN TRESTLE AND FLUME, 1920s. No date. Photographer
unknown. (framed print).

Note: Photographs Nos. CA-8-63 through CA-8-81 are 8x10 inch contact prints from copy negatives of historic blue line prints and blueprints curated at the Little Rock and Palmdale Water District offices, Palmdale, California.

- CA-8-63 SURVEY OF RESERVOIR SITE ON LITTLE ROCK CREEK FOR
PALMDALE WATER CO., J.B. LIPPINCOTT ENGINEERING OFFICES;
OCTOBER, 1915. Palmdale Water District files.
- CA-8-64 LITTLE ROCK AND PALMDALE IRRIGATION DISTRICT, LITTLE
ROCK DAM: PLAN VIEW, SHEET 2; APRIL, 1918. Palmdale Water
District files.
- CA-8-65 LITTLE ROCK AND PALMDALE IRRIGATION DISTRICT, LITTLE
ROCK DAM: UPSTREAM ELEVATION, SHEET 3; APRIL, 1918.
Littlerock Water District files.
- CA-8-66 LITTLE ROCK AND PALMDALE IRRIGATION DISTRICT, LITTLE
ROCK DAM: DIMENSION SHEET, SECTION THROUGH CROWN,
SHEET 6, APRIL, 1918. Littlerock Water District files.

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- CA-8-67 LITTLE ROCK AND PALMDALE IRRIGATION DISTRICT, LITTLE ROCK DAM: OUTLET GATES, CROWN SECTION, UPSTREAM ELEVATION AND DOWNSTREAM ELEVATION SHEET, SHEET 7; APRIL, 1918. Littlerock Water District files.
- CA-8-68 LITTLE ROCK AND PALMDALE IRRIGATION DISTRICT, LITTLE ROCK DAM: STRESS SHEET, SHEET 4; MAY, 1918. Littlerock Water District files.
- CA-8-69 LITTLE ROCK AND PALMDALE IRRIGATION DISTRICT, LITTLE ROCK DAM: REINFORCEMENT SHEET, SHEET 5; MAY, 1918. Littlerock Water District files.
- CA-8-70 PALMDALE WATER COMPANY, EASTWOOD MULTIPLE-ARCHED DAM: GENERAL PLAN, SHEET 1; DECEMBER 20, 1918. Littlerock Water District files.
- CA-8-71 PALMDALE WATER COMPANY, EASTWOOD MULTIPLE-ARCHED DAM: STRESS SHEET, SHEET 3; DECEMBER 20, 1918. Littlerock Water District files.
- CA-8-72 PALMDALE WATER COMPANY, EASTWOOD MULTIPLE-ARCHED DAM: ELEVATIONS, SHEET 2; DECEMBER 30, 1918. Littlerock Water District files.
- CA-8-73 PALMDALE WATER COMPANY, EASTWOOD MULTIPLE-ARCHED DAM: REINFORCEMENT SHEET, SHEET 4; DECEMBER 30, 1918. Littlerock Water District files.
- CA-8-74 PALMDALE WATER COMPANY, LITTLEROCK DAM, EASTWOOD MULTIPLE-ARCHED TYPE: PLAN, SHEET 1, OCTOBER 2, 1919. Littlerock Water District files.
- CA-8-75 PALMDALE WATER COMPANY, LITTLEROCK DAM, EASTWOOD MULTIPLE-ARCHED TYPE: UPSTREAM ELEVATION, SHEET 2; OCTOBER 2, 1919. Littlerock Water District files.
- CA-8-76 PALMDALE WATER COMPANY, LITTLEROCK DAM, EASTWOOD MULTIPLE-ARCHED TYPE: DOWNSTREAM ELEVATION, SHEET 3; OCTOBER 2, 1919. Littlerock Water District files.

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- CA-8-77 PALMDALE WATER COMPANY, LITTLEROCK DAM, EASTWOOD
MULTIPLE-ARCHED TYPE: CROSS SECTIONS, SHEET 4; OCTOBER 2,
1919. Littlerock Water District files.
- CA-8-78 PALMDALE WATER COMPANY, LITTLEROCK DAM, EASTWOOD
MULTIPLE-ARCHED TYPE: DIMENSIONS, SECTION THROUGH
ARCH RING, SHEET 5; OCTOBER 2, 1919. Littlerock Water District files.
- CA-8-79 PALMDALE WATER COMPANY, LITTLEROCK DAM, EASTWOOD
MULTIPLE-ARCHED TYPE: REINFORCEMENT, SHEET 6; OCTOBER
2, 1919. Littlerock Water District files.
- CA-8-80 LITTLE ROCK DAM: DIMENSIONS, SECTION THROUGH ARCH
RING, AMENDED SHEET 5; SEPTEMBER, 1922. Palmdale Water District
files.
- CA-8-81 PALMDALE WATER COMPANY, LITTLE ROCK DAM:
REINFORCEMENT, SECTION THROUGH ARCH RING, AMENDED
SHEET 6; SEPTEMBER, 1922. Palmdale Water District files.

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All color xeroxes were made from a duplicate color transparency.

Jet Lowe, Photographer, September 1981

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CA-8-81 (CT)

LONG-DISTANCE VIEW OF DOWNSTREAM SIDE, LOOKING WEST. THE AREA
ENCOMPASSED BY THE RESERVOIR IS ALSO SHOWN BEYOND THE DAM