

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE
MANUAL

LOWER SAN JOAQUIN RIVER AND
TRIBUTARIES PROJECT, CALIFORNIA

UNIT NO. 7

WEST LEVEE OF SAN JOAQUIN RIVER
AND NORTH LEVEE OF OLD RIVER
RECLAMATION DISTRICTS NO. 524 AND 544



U. S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

Incl

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

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**U. S. ARMY ENGINEER DISTRICT, SACRAMENTO
CORPS OF ENGINEERS
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APRIL 1964**

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LOCATION	ADDITION OR REVISION	DATE
Exhibit F	Add copy of letter of transfer dated 3 Dec 1958	25 May 2011
Exhibit F	Add copy of letter of transfer dated 14 Dec 1962	25 May 2011
Exhibit F	Add copy of letter of transfer dated 2 Dec 1963	25 May 2011
1-04	Add subparagraph f	25 May 2011
Exhibit B	Add drawing no. 7-4-1857	25 May 2011
Exhibit F	Add copy of letter of transfer dated 30 Jan 2001	25 May 2011
Exhibit F	Add copy of letter of acceptance dated 19 Oct 2001	25 May 2011

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AND NORTH LEVEE OF OLD RIVER
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A	Flood Control Regulations (Contained in Standard Manual)	Unattached
A-1	Location	1 Sheet
B	"As Constructed" Drawings	Unattached
C	Plates of Suggested Flood Fighting Methods (Contained in Standard Manual)	Unattached
D	Suggested Check List No. 1 - Levee Inspection Report (Contained in Standard Manual)	Unattached
E	Suggested Check List - Levees, Channels and Structures	Sheets 1 thru 12
F	Letters of Acceptance by or Transfer to the State Reclamation Board	Sheets 1 thru 7
G	Suggested Semi-Annual Report Form	Sheets 1 and 2

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SECTION I

INTRODUCTION

1-01. Location. The improvement covered by this manual is that part of the Lower San Joaquin River and Tributaries Project levee and channel that is located on the west side (left bank) of the San Joaquin River extending from the junction of Old River and the San Joaquin River to Burns Cutoff; also the north side (right bank) of Old River that lies between its junction with the San Joaquin River and Middle River. The area lies southwesterly from the city of Stockton and about 2 miles northwesterly from Lathrop. Location by levee mileage within Reclamation District No. 524 is from mile 0.00 on the left bank of the San Joaquin River at Burns Cutoff thence upstream (southerly) 6.26 miles to the south boundary of Reclamation No. 524. In Reclamation District No. 544, mile 0.00 for Unit No. 1 starts at the south boundary of Reclamation District No. 524 (about one-half mile north of the Brandt Bridge) thence extends southerly along the left bank of the San Joaquin River 6.11 miles to the junction of the San Joaquin River and Old River. For Unit No. 2 of R.D. No. 544, mile 0.00 starts at the junction of the San Joaquin River and Old River thence extends westerly 4.22 miles along the right bank of Old River to Middle River. There is also a permanent access road along the right bank levee of Middle River that extends for a distance of 1.42 miles. The area is in the County of San Joaquin and in the general vicinity as shown on the Location Map, EXHIBIT A-1.

1-02. Project Works. The project works covered by this manual are a part of the Lower San Joaquin River and Tributaries Project as authorized by the Flood Control Act of 22 December 1944, Public Law 534, Seventy-Eighth Congress, Second Session, Section 10 and consist of the left bank levee and channel of the San Joaquin River from Burns Cutoff to Old River and the right bank levee and channel of Old River from the San Joaquin River to Middle River, a total distance of 16.59 miles. Also, a permanent access road extending along the right bank levee of Middle River for a distance of 1.42 miles.

1-03. Protection Provided. Levees along the San Joaquin and Old River as described above, provide direct protection to adjacent agricultural land within Reclamation Districts No. 524 and 544 (Roberts Island). Along the westerly side of the San Joaquin River, the grade of the adopted flood plane varies from elevation 20.2 at the lower end at Burns Cutoff. For Old River the grade of the adopted flood plane varies from elevation 20.2 at the junction of Old River and Middle River. All elevations are referred to mean sea level datum (1929 adjustment). Levee grades within this unit provide for a freeboard of at least 3 feet above the adopted flood plane profile. Within this unit, the project design flood for the San Joaquin River is 18,000 cubic feet per second and 19,000 cubic feet per second for Old River.

1-04. Construction Data and Contractor. Work required by the Corps of Engineers to bring levees of this unit to project standards was accomplished under the following contracts:

a. Bank protection along the San Joaquin River from Head of Old River to Brandt Bridge was accomplished under Contract No. DA-04-167-CIVENG-56-252 by M. Malfitano & Son, Inc., during the period from 17 July 1956 to December 1956. Specification No. 2125, Drawing No. 7-4-1440.

b. Bank protection along the San Joaquin River from Brandt Bridge to the Stockton Channel was accomplished under Contract No. DA-04-167-CIVENG-57-97 by the Basalt Rock Company, Inc., during the period from 10 December 1956 to 20 June 1957. Specification No. 2220, Drawing No. 7-4-1490.

c. Stone protection along the right and left banks of the Old River from Head of Old River to Paradise Cut was accomplished under Contract No. DA-04-167-CIVENG-58-6 by Basalt Rock Company, Inc., during the period from 21 August 1957 to 15 December 1958. Specification No. 2331, Drawing No. 7-4-1517.

d. Stone protection along the banks of the San Joaquin River from Old River to Stockton was accomplished under Contract No. DA-04-167-CIVENG-62-54 by Malfitano & Son, Inc., during the period from 26 March 1962 to 10 January 1963. Specification No. 2697, Drawing no. 7-4-1621.

e. Stone protection along Old River was accomplished under Contract No. DA-04-167-CIVENG-63-60 by M. Malfitano and Son, Inc., during the period from 19 April 1963 to 27 December 1963. Specification No. 2786, Drawing No. 7-4-1653.

f. Emergency levee repairs on the left bank of the San Joaquin River between Levee Miles 2.54 and 2.56 in Reclamation District 524, left bank of the San Joaquin River, at Levee Miles 0.11, 0.16 and from 2.4 to 2.5 in Reclamation District 544, and the right bank of Old River between Levee Miles 1.56 and 1.62, Levee Miles 1.75 to 1.75, Levee Miles 1.62 to 1.69, and at Levee Mile 1.88 in Reclamation District 544 was completed on 29 October 1997 by Geofon, Inc., under Contract No. DACW05-97-C-0144. Specification NO. 9890E, Drawing No. 7-4-1857.

1-05. Flood Flows. For purposes of this manual, the term "flood" or "high water period" shall refer to flows when the water surface in the San Joaquin River reaches or exceeds the reading of 17.0 on the State Department of Water Resources gage located on the right bank of the San Joaquin River immediately downstream from the Mossdale Bridge on U. S. Highway No. 50. Gage is set at 3.27 feet U. S. Corps of Engineers datum and 0.30 feet U.S.G.S. datum.

1-06. Assurances Provided by Local Interests. Assurance of cooperation by local interests is provided by State legislation as contained in Chapters 1 and 2, Part 4, Division 5 of the State Water Code (see paragraph 2-02a of the Standard Manual).

1-07. Acceptance by or Transfer to the State Reclamation Board. Responsibility for operating and maintaining portions of this unit was officially accepted by the State Reclamation Board by letters dated 29 December 1958 and 3 January 1963. Other portions were transferred to the State Reclamation Board by letters dated 4 April 1957 and 10 September 1957.

1-08. Inspection Procedure. Since the enactment by State Legislation of Chapter 1528, Statutes of 1947, the Department of Water Resources, State of California, has made semi-annual inspections of all levees of authorized flood control projects in the Sacramento-San Joaquin Drainage basin pursuant to the Federal Regulations of 16 August 1944 (Title 33), and reports its findings to the local agency, the State Reclamation Board and the Sacramento District, Corps of Engineers, U. S. Army. This activity, initiated pursuant to section 208.10(a) of the Federal Regulations, has in effect provided for transfer from the local agencies to the State Department of Water Resources the obligation of compliance with Sections 8371, 8372, and 8373 of the Water Code of the State of California. These sections of the Code require the local responsible agencies to submit a report to the State Department of Water Resources on or before 1 June of each year on the condition of the levees within their jurisdiction. Supervisory powers and duties of the Department are applicable to all works of the Lower San Joaquin River and Tributaries Flood Control Project maintained and operated by the local agencies without regard to status of completion, or expenditure of Federal funds on the construction of such works.

The following procedure is used in inspecting the levees of the responsible maintaining agency:

The personnel of the State Department of Water Resources make a detailed inspection in the spring and fall of each year and make a report on any required maintenance. The inspection objectives are to

determine if the following items, which are a condensation of Federal Regulations, are being adhered to:

a. That all brush, trees and wild growth other than sod are removed from the levee crown and slopes.

b. That all weeds, grass and debris on the levee have been burned during the appropriate season, where not dangerous or impractical.

c. That all grass and weeds on the levee have been mowed where removal by burning is dangerous or impracticable. This applies only on peat levees or where burning would constitute a hazard to improvements.

d. That all burrowing animals have been exterminated.

e. That all caves, sloughs, burrows, holes, slips or other damaged portions of the levee have been repaired.

f. That all irrigation and drainage structures through the levee are in good working condition.

g. That no revetment work or riprap have been displaced, washed out or removed.

h. That the crown of the levee is well shaped and maintained and that unauthorized vehicular travel is restricted.

i. That stock grazing on the levee is restricted to conditions and seasons when the levee would not be seriously scarred or otherwise damaged thereby.

j. That encroachments are not being erected on the levee which would hinder travel by authorized patrol vehicles.

k. Prevent the erection of structures on, additions to, or alterations of, the levee unless authorized by permit from the State Reclamation Board.

Following this detailed inspection a joint field inspection is made with representatives of the responsible maintaining agency and the State Department of Water Resources to review and discuss the inspection report.

Upon completion of the fall inspection, the State Department of Water Resources publishes an annual report entitled, "Status of Project Levee Maintenance" which indicates the degree of proficiency attained by each obligated local agency in providing required maintenance.

SECTION II

FEATURES OF THE PROJECT SUBJECT TO FLOOD CONTROL REGULATIONS

2-01. Levees.

a. The levees described in this manual lie along the west side of the San Joaquin River and north side of Old River and extends for a total distance of about 16.59 miles. The levee has been reconstructed to project standards with a minimum crown width of 12 feet along the San Joaquin River and Old River. The necessary drainage structures, road approaches, bank protection, and appurtenances were also included in the work. For more complete detail in construction of the above-mentioned levees, refer to the "As Constructed" drawings of EXHIBIT B.

b. For pertinent Requirements of the Code of Federal Regulations and other requirements see the following:

- (1) Maintenance - paragraph 4-02 of the Standard Manual.
- (2) Suggested Check Lists - EXHIBIT E of this Supplement Manual.
- (3) Operation - paragraph 4-04 of the Standard Manual.
- (4) Special Instructions - paragraph 4-05 of the Standard Manual.

2-02. Drainage and Irrigation Structures. Drainage and irrigation structures which extend through the levees are listed as follows:

Levee	Size		Feet Below
Mile	of Pipe	Other Description	Crown

R.D. No. 524 Left Bank San Joaquin River - Mile 0.00 at Burns Cutoff

0.27	14"	Pumphouse W.S.	3.0
0.33	8"	" "	5.0
0.79	8"	Pump W.S.	4.0
0.93	14"	Pumphouse W.S.	6.0
0.99	36"	Abandoned pipe - slide gage W.S.	15.0
1.08	48"	Sewer line	16.0
1.08	36"	Pumphouse L.S. Flapgate W.S.	11.5
1.31	12"	Pumphouse L.S.	3.5

Drainage and Irrigation Structures, Cont'd.

Levee Mile	Size : of Pipe	Other Description	: Feet Below : Crown
1.38	2"	Pump L.S.	4.0
1.57	2"	Abandoned pipe	3.5
1.61	6"	Pump W.S.	3.5
1.83	14"	Pumphouse W.S.	20.0
2.02	10"	" "	10.0
2.06	6"	Pump W.S.	3.5
2.10	20"	Pumphouse W.S.	15.0
2.15	24"	" " - Riser Unit W.S.	14.0
2.27	6"	Pump L.S.	5.0
2.71	14"	Pumphouse on piling W.S.	12.0
2.99	9"	Pump L.S.	3.0
3.38	12"	Pump W.S.	15.0
3.69	30"	Pump on piling W.S. - Riser Unit W.S.	26.5
3.83	12"	Pumphouse W.S.	10.5
4.08	8"	Pumphouse W.S. - Riser Unit W.S.	9.5
4.20	12"	Pump on piling W.S.	6.0
4.21	12"	Pump W.S.	4.5
4.42	8"	Pump L.S.	3.0
4.73	14"	Pump W.S.	12.0
4.95	6"	Pump L.S.	3.0
5.07	5"	Pumphouse L.S.	3.0
5.26	14"	Pumphouse W.S.	15.0
5.48	10"	Pump W.S.	6.0
5.50	10"	Pump L.S.	6.0
5.59	12"	Pumphouse W.S.	12.0
5.71	20"	Pump on piling W.S.	7.0
5.71	14"	Abandoned pipe	15.0
5.88	10"	Pumphouse L.S.	15.0
5.91	12"	Abandoned pipe	15.0
5.93	12"	Pumphouse L.S.	10.0
5.94	21"x21"	Concrete culvert	20.0
6.22	10"	Pump W.S.	12.0
6.26	12"	Pumphouse W.S.	4.0

R.D. No. 544 - Left Bank San Joaquin River - Unit No. 1

0.01	8-5/8"	Gas line	3.9
0.04	12"	Siphon Breaker W.S.	8.0
0.36	16"	Pumphouse on piling W.S.	6.5
0.56	10"	Flapgate W.S.	3.5
0.68	3"	Timber walkway W.S.	2.0
1.31	24"	Pumphouse W.S. - Riser Unit W.S.	11.5
1.73	20"	Pump on piling W.S.	4.2

Drainage and Irrigation Structures, Cont'd.

Levee Mile	Size : of Pipe	Other Description	Feet Below Crown
1.75	10"	Siphon breaker W.S.	2.0
2.26	14"	Pump on piling W.S.	5.0
2.27	18"	" " " "	3.5
2.40	4"	Pump W.S.	4.0
2.58	16"	Pump on piling W.S.	12.0
3.19	2-14"	Pumphouse W.S.	8.0
3.53	12"	Pump L.S.	3.0
4.26	24"	Pumphouse W.S.	12.0
4.33	12"	Pump W.S.	8.0
4.79	14"	Pumphouse L.S.	12.0
4.82	12"	" "	6.0
4.88	2"		2.0
5.77	16"	Pump on piling W.S.	5.3

R. D. No. 544 - Right Bank Old River - Unit No. 2

1.03	16"	Pump on piling W.S.	5.0
1.28	16"	Riser Unit W.S. - Pumphouse L.S.	10.0
1.53	24"	Pumphouse W.S. - Riser Unit W.S.	14.0
1.55	10"	Pump L.S.	3.0
2.25	12"	Pump on piling W.S.	3.0
2.33	10"	Pump L.S.	3.0
2.35	10"	Pump on piling W.S.	2.0
2.65	16"	" " " "	10.0
3.26	6"	Pump L.S.	2.0
3.94	36"	Pumphouse W.S.	10.0
4.03	12"		8.0

NOTE ON ABBREVIATIONS:

W. S. = Waterside

L. S. = Landside

b. For pertinent Requirements of the Code of Federal Regulations and other requirements, see the following:

- (1) Maintenance - paragraph 5-02 of the Standard Manual.
- (2) Suggested Check Lists - EXHIBIT E of this Supplement Manual.

- (3) Operation - paragraph 5-04 of the Standard Manual.
- (4) Additional Requirements - paragraph 5-05 of the Standard Manual.
- (5) Safety Requirements - paragraph 5-06 of the Standard Manual.

2-03. Channels.

a. Description. The main channels and floodways of the San Joaquin and Old Rivers for this unit lie adjacent to the levees as described in paragraph 1-02. The project design capacities of said channels are listed in paragraph 1-03 of this manual.

b. For pertinent Requirements of the Code of Federal Regulations and other requirements, see the following:

- (1) Maintenance - paragraph 6-02 of the Standard Manual
- (2) Suggested Check Lists - EXHIBIT E of this Supplement Manual.
- (3) Operation - paragraph 6-04 of the Standard Manual.
- (4) Safety Requirements - paragraph 6-05 of the Standard Manual.

It shall be the duty of the local agency responsible for maintenance to keep in contact with the State Department of Water Resources' Flood Operation Center during all periods of flood danger, and maintain a patrol of the project works in their area during periods of flood in excess of a reading of 17.0 on the gage located on the right bank of the San Joaquin River immediately downstream from the Mossdale Bridge on U. S. Highway No. 50.

The Flood Operation Center is responsible for Data Collection and issuance of a joint river forecast with the U. S. Weather Bureau and coordinates with the Sacramento District Engineer, and other agencies to keep apprised of the current situation in accordance with terms of the Memorandum of Understanding dated 1 November 1956, between the Division Engineer, U. S. Army Engineer Division, South Pacific, and the Director, Department of Water Resources, State of California for cooperative action during flood emergencies.

2-04. Miscellaneous Facilities.

a. Description. Miscellaneous structures or facilities which were constructed as a part of, or in conjunction with, the protective works, and which might affect their functioning, include the following:

(1) Utility Relocation. Because of the nature of the construction of structures by local interests, records of utility relocations are not available.

(2) Hydrologic Facilities. Hydrologic facilities provided in the vicinity of this unit consists of the State Department of Water Resources continuous water stage recorder and staff gage located on the right bank of the San Joaquin River immediately downstream from the Mossdale Bridge on U. S. Highway No. 50.

(3) Bridges.

(a) Santa Fe Railroad Bridge (levee mile 0.75).

(b) Garwood Bridge (Highway No. 4) (levee mile 1.54).

(c) Brandt Bridge (Bowman Road) (levee mile 0.62).

b. For pertinent Requirements of the Code of Federal Regulations and other requirements, see the following:

(1) Maintenance - paragraph 7-02 of the Standard Manual.

(2) Suggested Check Lists - paragraph 7-03 of the Standard Manual.

(3) Operation - paragraph 7-04 of the Standard Manual.

SECTION III

REPAIR OF DAMAGE TO PROJECT WORKS AND METHODS OF COMBATING FLOOD CONDITIONS

3-01. Repair of Damage. In the event of serious damage to the project works, whether due to flood conditions or other causes, and which may be beyond the capability of local interest to repair, the local agency responsible for maintenance will contact a representative of the Department of Water Resources, State of California, who coordinates maintenance of project works of the Lower San Joaquin River and Tributaries Flood Control Project. The State representative will give assistance or advise, or will determine appropriate action to be taken.

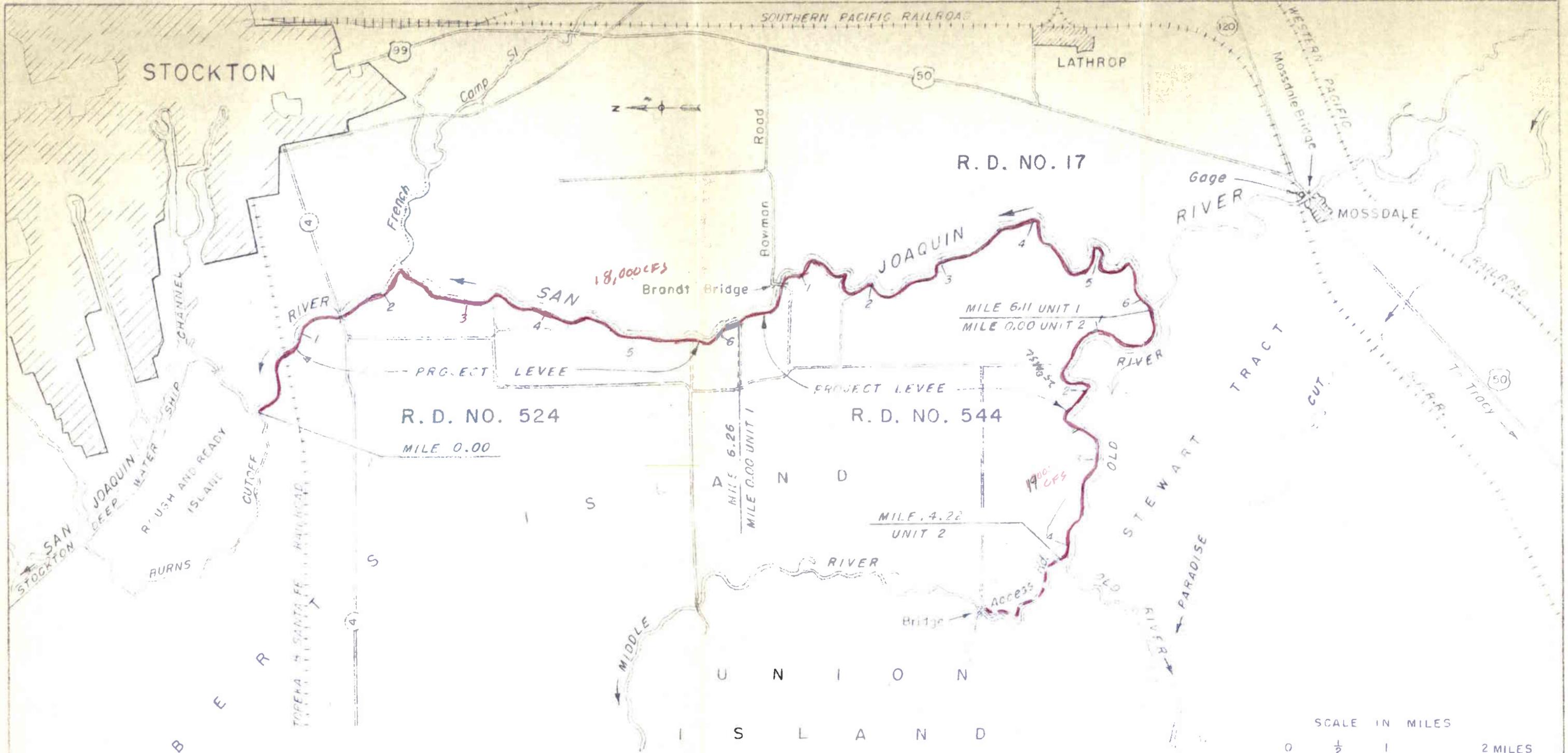
3-02. Applicable Methods of Combating Floods. For applicable methods of combating flood conditions, reference is made to Section VIII of the Standard Operation and Maintenance Manual, where the subject is fully covered.

EXHIBIT A

FEDERAL FLOOD CONTROL REGULATIONS

(SEE STANDARD MANUAL)

EXHIBIT A



--- Extent of Levees in this Unit.



LOCATION MAP
 UNIT NO. 7
 WEST LEVEL OF SAN JOAQUIN RIVER
 AND NORTH LEVEL OF OLD RIVER
 RECL. DIST. NO. 524 AND 544

EXHIBIT B

“AS CONSTRUCTED”
DRAWINGS

(See separate folder for the following drawings)

<u>File No.</u>	<u>Title</u>
7-4-1440	Stone Protection along Right and Left Banks of San Joaquin River from Head of Old River to Brandt Bridge, in 15 sheets.
7-4-1490	Stone Protection along Right and Left Banks of San Joaquin River form Vicinity of Brandt Bridge to Stockton Channel, in 14 sheets.
7-4-1517	Stone Protection along Right and Left Banks of Old River from Head of Old River to Paradise Cut, in 15 sheets.
7-4-1621	Stone Protection along Right and Left Banks, San Joaquin River form Head of Old River to Stockton Deep Water Ship Channel, in 30 sheets.
7-4-1653	Old River, Right and Left Banks, Stone Protection, in 15 sheets.
7-4-1857	PL 84-99 – Phase III Emergency Levee Repair RD 524 and RD 544, San Joaquin River Basin SJ-5, San Joaquin county, California, in 5 sheets.

EXHIBIT C

PLATES OF SUGGESTED FLOOD FIGHTING METHODS

(SEE STANDARD MANUAL)

EXHIBIT C
Unattached

EXHIBIT D

SUGGESTED CHECK LIST NO. 1

LEVEE INSPECTION REPORT

(SEE STANDARD MANUAL)

EXHIBIT D

EXHIBIT E

SUGGESTED CHECK LISTS OF LEVEES,

CHANNELS AND STRUCTURES

For definition of "flood" or "high water period", see paragraph 1-05 of this manual.

SUGGESTED CHECK LIST NO. 2
UNIT NO. 7
SAN JOAQUIN RIVER

Inspector's Report Sheet No. _____ Inspector _____

Date _____ Superintendent _____

Item	Remarks
(a) Location by Station	
(b) Settlement, sloughing, or loss of grade	
(c) Erosion of both levee slopes	
(d) Condition of roadways, including ramps	
(e) Evidence of seepage	
(f) Condition of farm gates and fencing	
(g) Maintenance measures taken since last inspection	
(h) Comments	

Instructions for Completing Sheet 2, EXHIBIT E
(To be printed on back of Sheet 2)

- Item (a) Indicate levee station of observation, obtained by pacing from nearest reference point; indicate right or left bank.
- Item (b) If sufficient settlement of earthwork has taken place to be noticeable by visual observation, indicate amount of settlement in tenths of a foot. If sloughing has caused a change in slope of the embankment sections, determine the new slope. Note areas where erosion or gulying of the section has occurred.
- Item (c) If sufficient erosion or gulying of back face of back toe of levee has taken place to be noticeable by visual inspection, indicate area affected and depth.
- Item (d) Note any natural change in any section of roadway or ramps. Indicate any inadequacy in surface drainage system.
- Item (e) Indicate any evidence of seepage through the embankment section.
- Item (f) Indicate the serviceability of all farm gates across the embankments and roadway, and indicate if repainting is required.
- Item (g) Indicate maintenance measures that have been performed since last inspection and their condition at the time of this inspection.
- Item (h) Record opinion, if any, of contributory causes for conditions observed and also any observations not covered under other columns.

NOTE: One copy of the Inspector's Report is to be mailed to the District Engineer immediately on completion, and one copy is to be attached to and submitted with the Superintendent's semi-annual report.

**SUGGESTED CHECK LIST NO. 3
CHANNEL AND RIGHT-OF-WAY
UNIT NO. 7
SAN JOAQUIN RIVER**

Inspector's Report Sheet No. _____ Inspector _____

Date _____ Superintendent _____

Item	Remarks
(a) Name of Channel and Location by Stations	
(b) Vegetal growth in channel	
(c) Debris and refuse in channel	
(d) New construction within right-of-way	
(e) Extent of a aggradation or degradation	
(f) Condition or riprapped section	
(g) Condition of bridges	
(h) Measures taken since last inspection	
(i) Comments	

Instructions for Completing Sheet 4, EXHIBIT E
(To be printed on back of Sheet 4)

- Item (a) Indicate station of observation obtained by pacing from nearest reference point.
- Item (b) Note nature, extent, and size of vegetal growth within the limits of flood flow channel.
- Item (c) Note nature and extent of debris and refuse that might cause clogging of the conduits of the irrigation intake works, fouling of the tainter gates, or the bridges over the channel.
- Item (d) Report any construction along the diversion channel or above the diversion channel or above the diversion works that has come to the attention of the inspector and that might affect the functioning of the project.
- Item (e) Indicate any change in grade or alignment of the channels, either by deposition or sediment or scour, that is noticeable by visual inspection. Estimate amount and extent.
- Item (f) Indicate any change that has taken place in the riprap such as disintegration of the rock, erosion, or movement of the rock. Note the presence of vegetal growth through the riprap.
- Item (g) Note any damage or settlement of the footings of the bridges. Indicate condition of wooden structures and if repainting is required. Indicate condition of bridge approaches, headwalls, and other appurtenances.
- Item (h) Indicate maintenance measures that have been performed since the last inspection and their condition at time of this inspection.
- Item (i) Record opinion, if any, of contributory causes for conditions observed, also any observations not covered under other columns.

NOTE: One copy of the inspector's Report is to be mailed to the District Engineer immediately on completion and one copy is to be attached to and submitted with the Superintendent's semi-annual report.

SUGGESTED CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

UNIT NO. 7

SAN JOAQUIN RIVER

Inspector's Report Sheet No. _____

Inspector _____

Date _____

Superintendent _____

(a) Location by levee mileage	(b) Bank	(c) Debris or other obstruction to flow	(d) Damage or settlement of pipe or conduit	(e) Condition of concrete headwall or invert paving	(f) Condition of right-of-way adjacent to structure	(g) Repair measures taken since last inspection	(h) Comments
R. D. No. 524 - Left Bank San Joaquin River, (Cont'd)							
2.06 2.10 2.15 2.27 2.71 2.99 3.38 3.69 3.83 4.08 4.20 4.21 4.42 4.73	lt. " " " " " " " " " " " " "						

SUGGESTED CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

UNIT NO. 7

SAN JOAQUIN RIVER

Inspector's Report Sheet No. _____

Inspector _____

Date _____

Superintendent _____

(a) Location by Levee mileage	(d) Bank	(c) Debris or other obstruction to flow	(b) Damage or settlement of pipe or conduit	(e) Condition of concrete headwall or invert paving	(f) Condition of right-of-way adjacent to structure	(g) Repair Measures taken since last inspection	(h) Comments
R. D. No. 524 - Left Bank San Joaquin River, (Cont'd)							
4.95 5.07 5.26 5.48 5.50 5.59 5.71 5.71 5.88 5.91 5.93 5.94 6.22 6.26	Lt. " " " " " " " " " " " " "						

SUGGESTED CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

UNIT NO. 7

SAN JOAQUIN RIVER

Inspector's Report Sheet No. _____

Inspector _____

Date _____

Superintendent _____

(g) Location By Levee Mileage	(b) Bank	(c) Debris or other obstruction to flow	(a) Damage or settlement of pipe or conduit	(e) Condition of concrete headwall or invert paving	(f) Condition of right-of-way adjacent to structure	(g) Repair measures taken since last inspection	(h) Comments
<u>R. D. No. 544 - Left Bank San Joaquin River - Unit No. 1, (Cont'd)</u>							
4.26 4.33 4.79 4.82 4.88 5.77	Lt. " " " " "						
<u>R. D. No. 544 - Right Bank Old River - Unit No. 2</u>							
1.03 1.28 1.53 1.55 2.25 2.33 2.35	Rt. " " " " " "						

SUGGESTED CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

UNIT NO. 7

SAN JOAQUIN RIVER

Inspector's Report Sheet No. _____

Inspector _____

Date _____

Superintendent _____

(a) Location by Levee Mileage	(b) Bank	(c) Debris or other obstruction to flow	(d) Damage or settlement of pipe or conduit	(e) Condition of concrete headwall or invert paving	(f) Condition of right-of-way adjacent to structure	(g) Repair Measures taken since last inspection	(h) Comments
2.65 3.26 3.94 4.03	Rt. P. S. S.						R. D. No. 544 - Right Bank Old River - Unit No. 2

Instructions for Completing Sheets 6-11, EXHIBIT E
(To be printed on back of Sheets 6-11)

- (1) Enter station of all structures under Column (a) for check list.
- (2) Inspect inlet, barrel, and outlet for accumulation of sediment, rubbish, and vegetal matter. Note condition under Column (c).
- (3) If any settlement or damage to the pipe, barrel, or invert of the drain has occurred, estimate the location and amount. Note particularly if any backfill has come into the pipe or been disturbed. Record observations under Column (d).
- (4) Inspect the concrete portions of the structures for evidence of settlement, cracks, "pop-outs", spaces, abrasive wear, or other deterioration. Record conditions under Column (e).
- (5) Inspect backfill area adjacent to structure for evidence of erosion caused by overflow of the drainage structure and note conditions in Column (f).
- (6) Under Column (g) indicate physical measures that have been taken to correct conditions reported in last inspection, and their condition at time of this inspection.
- (7) Under Column (h) record opinion, if any, of contributory causes for conditions observed, also any observations not covered under other columns.
- (8) A copy of the Inspector's Report is to be mailed to the District Engineer immediately on completion, and a record copy shall be attached to the Superintendent's semi-annual report.

EXHIBIT F

LETTER OF ACCEPTANCE BY
THE STATE RECLAMATION BOARD

EXHIBIT F

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CORPS OF ENGINEERS, U. S. ARMY
Office of the District Engineer
SACRAMENTO DISTRICT
Wright Bldg., 1209-8th Street
Sacramento, California

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SPKKO-P 824.3 (Lower San J. Riv. & Trib. Proj.)

4 Apr 1957

The Reclamation Board
State of California
1215 "O" Street
Sacramento, California

Gentlemen:

Reference is made to Reclamation Board letter dated 9 February 1956 in reply to Sacramento District letter dated 3 November 1955 relative to the State's responsibility for the acceptance for maintenance of individual project units pertaining to the Lower San Joaquin River and Tributaries Project constructed by the Corps of Engineers.

Further reference is made to Sacramento District letter dated 21 June 1955 relative to plans and specifications No. 2125, Stone Protection Along San Joaquin River from Head of Old River to Brandt Bridge and your Board's reply thereto dated 22 June 1956.

The required work consisting of stone protection at various sites on the right and left banks of the San Joaquin River was completed 28 December 1956 in accordance with Specification No. 2125, Contract No. DA-04-167-CIVENG-56-252 and Drawing No. 7-4-1440.

In accordance with the understandings in the above referenced correspondence the levee units listed below, together with the waterway banks contiguous thereto, are hereby transferred to the jurisdiction of the State of California for operation and maintenance.

The levee units are listed as follows:

<u>Levee Unit No.</u>	<u>Site No.</u>	<u>River Mile Points</u>	<u>Right or Left Bank</u>
1	26 & 27	47.73 to 48.19	Right
2	29A	48.69 to 48.87	Right

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SPKGO-P 824.3 (Lower S.J. Riv. & Trib. Proj.)
The Reclamation Board

<u>Levee Unit No.</u>	<u>Site No.</u>	<u>River Mile Points</u>	<u>Right or Left Bank</u>
3	41 & 42	51.07 to 51.59	Right
4	45	52.03 to 52.31	Right
5	48	52.54 to 52.76	Right
6	30	49.03 to 49.23	Left
7	34	49.33 to 49.60	Left
8	35 & 36	49.73 to 50.30	Left
9	43	51.60 to 51.87	Left
10	47	52.41 to 52.60	Left

The maintenance work required under the provisions of the Lower San Joaquin River and Tributaries Project shall be performed in accordance with existing Flood Control Regulations, inclosed herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented by a Standard Operation and Maintenance Manual for the Lower San Joaquin River and Tributaries Project which is being prepared. As provided under Paragraph 208.10(10) of these regulations, a supplement to the Standard Operation and Maintenance Manual covering these units of work will be furnished to you upon completion.

A copy of this letter is being transmitted to the Department of Water Resources.

Sincerely yours,

A. E. McCOLLAM
Colonel, CE
District Engineer

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U. S. ARMY ENGINEER DISTRICT, SACRAMENTO
CORPS OF ENGINEERS
WRIGHT BUILDING, 1209-8th STREET
SACRAMENTO, CALIFORNIA

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SPKKO-P 824.3 (Lower S.J. Riv.
& Trib. Proj.)

10 Sep 1957

The Reclamation Board
State of California
1215 "O" Street
Sacramento, California

Gentlemen:

Reference is made to Reclamation Board letter dated 9 February 1956 in reply to Sacramento District letter dated 3 November 1955 relative to the State's responsibility for the acceptance for maintenance of individual project units pertaining to the Lower San Joaquin River and Tributaries Project constructed by the Corps of Engineers.

Further reference is made to Sacramento District letter dated 25 October 1956 relative to plans and specifications No. 2220, Stone Protection Along Right and Left Banks of San Joaquin River from Vicinity of Brandt Bridge to Stockton Channel and your Board's reply thereto dated 30 October 1956.

The required work consisting of stone protection at various sites on the right and left banks of the San Joaquin River was completed 20 June 1957 in accordance with Specification No. 2220, Contract No. DA-04-167-CIVENG-57-97 and Drawing No. 7-4-1490.

In accordance with the understandings in the above referenced correspondence the levee units listed below, together with the waterway banks contiguous thereto, are hereby transferred to the jurisdiction of the State of California for operation and maintenance.

10 Sep 1957

The levee units are listed as follows:

<u>Levee Unit No.</u>	<u>Site No.</u>	<u>River Mile Points</u>	<u>Right or Left Bank</u>
11	31 & 32	49.10 to 49.46	Right
12	23A, 24 & 25	47.50 to 47.92	Left
13	19	45.94 to 46.16	Left
14	16	44.68 to 44.95	Left
15	13	43.32 to 43.57	Left
16	12	42.97 to 43.18	Left
17	10	42.57 to 42.75	Left
18	1 & 1A	40.50 to 40.91	Left

The maintenance work required under the provisions of the Lower San Joaquin River and Tributaries Project shall be performed in accordance with existing Flood Control Regulations, inclosed herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented by a Standard Operation and Maintenance Manual for the Lower San Joaquin River and Tributaries Project which is being prepared. As provided under Paragraph 208.10(10) of these regulations, a supplement to the Standard Operation and Maintenance Manual covering these units of work will be furnished to you upon completion.

A copy of this letter is being transmitted to the Department of Water Resources.

Sincerely yours,

1 Incl
F. C. Reg.

A. E. McCOLLAM
Colonel, CE
District Engineer

Copy furnished:
State Dept Water Resources
23rd & R Streets, Sacramento,
California, w/o incl
OCE w/o incl
SoPacDivn Engr w/o incl

C
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THE RECLAMATION BOARD
OF
THE STATE OF CALIFORNIA

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29 December 1958

District Engineer
Sacramento District
U. S. Corps of Engineers
P. O. Box 1739
Sacramento 8, California

Gentlemen:

Reference is made to your letter of December 3, 1958, file number SPKKO-P 824.3 (Lower S.J. Riv. & Trib. Proj.), regarding the responsibility for operation and maintenance of the right and left banks of Old River from Head of Old River to Paradise Crt, San Joaquin County.

The Reclamation Board at its meeting of December 18, 1958, formally accepted the maintenance responsibility of the above described area as described in the first, second, third, fourth and fifth paragraphs of your letter under the conditions outlined in your letter.

Yours very truly,

THE RECLAMATION BOARD
A. M. BARTON

by /s/ Wm A. Carver
WILLIAM A. CARVER
Assistant Secretary

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THE RECLAMATION BOARD
of the
STATE OF CALIFORNIA

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January 3, 1963

District Engineer
Corps of Engineers
U. S. Army
P. O. Box 1739
Sacramento, California

Dear Sir:

Reference is made to your letter of December 14, 1962 concerning transfer to the State of California of bank protection, levee enlargement, and access and patrol road construction, right and left banks, San Joaquin River from Head Old River to Stockton Deep Water Channel.

This improvement consisted of the following work:

a. Levee enlargement and bank protection:

<u>Levee Unit No.</u>	<u>Site No.</u>	<u>River Mile Points</u>	<u>Right or Left Bank</u>
48	1	41.30 to 41.38	Left
49	8	42.75 to 42.97	Left
50	11, 12 & 13	44.19 to 44.68	Left
51	16	45.16 to 45.28	Left
52	17	45.56 to 45.75	Left
53	19	45.81 to 45.88	Left
54	20	45.87 to 45.99	Right
55	21	46.24 to 46.36	Right
56	22	46.32 to 46.50	Left
57	23	47.02 to 47.20	Right
58	24	47.14 to 47.32	Left
59	25	47.38 to 47.50	Left
60	26	47.48 to 47.67	Right
61	27	48.06 to 48.21	Left
62	28 & 29	48.53 to 48.89	Left
63	29 (ext)	48.91 to 49.02	Left
64	31	50.25 to 50.42	Right
65	33	50.99 to 51.14	Left
66	37	52.97 to 53.12	Left

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- b. Access roads: Shaping and gravel surfacing of access roads, right bank San Joaquin River at Sites Nos. 1, 4, 6, and 26; and left bank at Sites Nos. 3, 5, 8, 9, 14, 17 and 23.
- c. Patrol roads: Shaping and gravel surfacing of patrol roads, right bank San Joaquin River at Sites Nos. A-1, B-1, C-1, D-1, E-1, F-1, G-1, H-1, I-1, J-1, K-1, L-1, M-1 (included on portion of French Camp Slough), N-1 (included on portion of Walker Slough) and O-1; and Left Bank at Sites Nos. A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, and V.

The Reclamation Board at its meeting of January 3, 1963 formally accepted the above-referred-to levee and bank protection work for operation and maintenance.

Sincerely yours,

/s/A. E. McCollam
A. E. McCOLLAM
General Manager

Henryson	
Plummer	
3 DEC 1958	

SPEKO-P S24.3 (Lower S.J. Riv. & Trib Proj.)

The Reclamation Board
State of California
1215 "O" Street
Sacramento, California

Gentlemen:

Reference is made to Reclamation Board letter dated 9 February 1956 in reply to Sacramento District letter dated 3 November 1955 relative to the State's responsibility for the acceptance for maintenance of individual project units pertaining to the Lower San Joaquin River and Tributaries Project constructed by the Corps of Engineers.

Further reference is made to Sacramento District letter dated 7 June 1957 relative to plans and specifications No. 2331, Stone Protection Along Right and Left Banks of Old River from Head of Old River to Paradise Cut, San Joaquin County, California.

The required work consisting of stone protection at various sites on the right and left banks of Old River was completed 21 November 1958 in accordance with Specification No. 2331, Contract No. DA-04-167-CIVEN3-58-6 and Drawing No. 7-4-1517.

In accordance with the understandings in the above referenced correspondence the levee units listed below, together with the waterway banks contiguous thereto, are hereby transferred to the jurisdiction of the State of California for operation and maintenance.

The levee units are listed as follows:

Levee Unit No.	Site No.	Station		Right or Left Bank
		From	To	
19	J & K	20+00	63+00	Left
20	L & M	76+53	107+00	Left
21	N	-2+00	10+00	Right
22	O	0+00	14+00	Right
23	P	-2+00	9+50	Right
24	Q, S&T	3+00	23+00	Right
25	R	222+00	260+83	Left

*Units 7, 8, 9
Old River
Posted*

*Cont # 58-6
Units 19-25*

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CERTIFIED MAIL
RETURN RECEIPT REQUESTED

SPKRO-P 824.3 (Lower S.J. Riv. & Trib Proj.)
The Reclamation Board

3 DEC 1958

The maintenance work required under the provisions of the Lower San Joaquin River and Tributaries Project shall be performed in accordance with existing Flood Control Regulations, inclosed herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented by a Standard Operation and Maintenance Manual for the Lower San Joaquin River and Tributaries Project which is being prepared. As provided under Paragraph 208.10(10) of these regulations, a supplement to the Standard Operation and Maintenance Manual covering these units of work will be furnished to you upon completion.

A copy of this letter is being transmitted to the Department of Water Resources.

Sincerely yours,

1 Incl
F.C. Reg.

Copy furnished:
State Water Resources w/o incl

O.C.E. w/o incl
SoFacDivnEngr w/o incl

cc: Engr Divn w/o incl
Northern Area Ofc w/o incl
Sac Opns Ofc w/d incl

A. E. McCOLLAM
Colonel, CE
District Engineer

Units 7, 8, 9

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

14 DEC 1962

The Reclamation Board
 State of California
 1215 "O" Street
 Sacramento 14, California

Gentlemen:

Reference is made to the joint inspections made on 7 and 21 November 1962 of certain levee sections pertaining to the Lower San Joaquin River and Tributaries Project for the purpose of transferring them to the State of California for operation and maintenance.

The required work, consisting of bank protection, levee enlargement, and access and patrol road construction, right and left banks San Joaquin River from Head Old River to Stockton Deep Water Channel, including portions of Walker and French Camp Sloughs, was completed on 10 December 1962, in accordance with Specification 2697, Contract No. DA-04-167-CIVENG-62-54 and Drawing No. 7-4-1621. The levee sections referred to above are listed as follows:

a. Levee enlargement and bank protection:

<u>LEVEE UNIT NO.</u>	<u>SITE NO.</u>	<u>RIVER MILE POINTS</u>	<u>RIGHT OR LEFT BANK</u>
48	1	41.30 to 41.38	Left
49	8	42.75 to 42.97	Left
50	11, 12 & 13	44.19 to 44.68	Left
51	16	45.16 to 45.28	Left
52	17	45.56 to 45.75	Left
53	19	45.81 to 45.88	Left
54	20	45.87 to 45.99	Right
55	21	46.24 to 46.36	Right
56	22	46.32 to 46.50	Left
57	23	47.02 to 47.20	Right
58	24	47.14 to 47.32	Left
59	25	47.38 to 47.50	Left
60	26	47.48 to 47.67	Right
61	27	48.06 to 48.21	Left

Handwritten notes:
 } Unit 7 (next to rows 48-53)
 } Unit 2 (next to rows 54-55)
 } Unit 7 (next to rows 56-57)
 } Unit 2 (next to rows 58-59)
 } Unit 7 (next to rows 60-61)

REGISTERED

RETURN RECEIPT REQUESTED

Units 2, 7

14 DEC 1962

SPKCO-C
The Reclamation Board

<u>LEVEE UNIT NO.</u>	<u>SITE NO.</u>	<u>RIVER MILE POINTS</u>	<u>RIGHT OR LEFT BANK</u>
62	26 & 29	48.53 to 48.89	Left > Unit 7
63	29 (Int)	48.91 to 49.02	Left
64	31	50.25 to 50.42	Right Unit 2
65	33	50.99 to 51.14	Left > Unit 7
66	37	52.97 to 53.12	Left

b. Access roads: Shaping and gravel surfacing of access roads, right bank San Joaquin River at Sites Nos. 1, 4, 6 and 26; and left bank at Sites Nos. 3, 5, 8, 9, 14, 17 and 23.

c. Patrol roads: Shaping and gravel surfacing of patrol roads, right bank San Joaquin River at Sites Nos. A-1, B-1, C-1, D-1, E-1, F-1, G-1, H-1, I-1, J-1, K-1, L-1, M-1 (included on portion of French Camp Slough), N-1 (included on portion of Walker Slough) and O-1; and left bank at Sites Nos. A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, and V.

It is to be noted that the levee sections described above, combined with other sections previously transferred to your jurisdiction, now form a continuous levee reach along both banks of the San Joaquin River from Head of Old River to Stockton Deep Water Channel.

The flood control work described above now meets the requirements of the Lower San Joaquin River and Tributaries Project. Therefore, said flood control work, together with the waterway banks contiguous thereto, are hereby transferred to the State of California for operation and maintenance.

The maintenance work required under the provisions of the Lower San Joaquin River and Tributaries Project shall be performed in accordance with existing Flood Control Regulations, inclosed herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented by a Standard Operation and Maintenance Manual for the Lower San Joaquin River and Tributaries Project. As provided under Paragraph 208.10(10) of these regulations, a supplement to the Standard Operation and Maintenance Manual covering these units of work will be furnished to you upon completion.

Units 2, 7

SPKCO-C
The Reclamation Board

14 DEC 1962

A copy of this letter is being transmitted to the Department of
Water Resources.

Sincerely yours,

✓ Incl
F.C. Reg.

✓ Copy furnished:
Dept Water Resources
23rd & "R" Streets
Sacramento, Calif. w/o incl

O.C.E. w/o incl
S.P.D. w/o incl

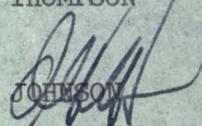
cc: Engr Div-ProgDevBr w/o incl
Engr Div-Lev&ChanSec w/o incl
Northern Area Ofc w/o incl
F & A Branch w/o incl

H. N. TURNER
Colonel, CE
District Engineer

C. R. TEAGLE
Major, CE
Acting District Engineer

LHK
12/14/62
KRISTOF/pnp


THOMPSON


JOHNSON


TURNER

2 December 1963

The Reclamation Board
 State of California
 1215 "O" Street
 Sacramento 14, California

Gentlemen:

Reference is made to the joint inspection made on 22 November 1963 of flood control work pertaining to the Lower San Joaquin River and Tributaries Project for the purpose of transferring it, upon completion, to the State of California for operation and maintenance.

The required work, consisting of levee enlargement, bank protection and shaping and surfacing levee patrol road on the right bank of Old River, was completed on 26 November 1963 in accordance with Specification No. 2786, Contract No. IA-04-167-CIVENG-63-60 and Drawing No. 7-4-1653. The flood control work referred to above is listed as follows:

<u>LEVEE UNIT NO.</u>	<u>SITE NO.</u>	<u>RIVER MILE POINTS</u>	
74	61 & 62	33.92 to 34.35	.43 Mi.
75	63A	33.57 to 33.87	.30 Mi.

Work under the above cited contract does not include Sites 67, 68 and 71A on left bank of Old River which will be transferred at a later date when completed.

The maintenance work required under the provisions of the Lower San Joaquin River and Tributaries Project shall be performed in accordance with existing Flood Control Regulations, inclosed herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented by a Standard Operation and Maintenance Manual for the Lower San Joaquin River and Tributaries Project. As provided under Paragraph 208.10(10) of these regulations, a supplement to the Standard Operation and Maintenance Manual covering the above units of work will be furnished to you upon completion.

Unit 7

SFKKO-C
The Reclamation Board

2 December 1963

A copy of this letter is being transmitted to the Department of
Water Resources.

Sincerely yours,

ROBERT E. MATHE
Colonel, CE
District Engineer

Copy furnished:
Dept Water Resources
23rd & "R" Streets
Sacramento, Calif.
O.C.E.
S.P.D.

cc: Engr Div-Prog Dev Br
Engr Div-Lev & Chan
Northern Area Office
F & A Branch



Operations

LJK
KRISTOF/pnp

[Signature]
THOMPSON

[Signature]
HARRIS

[Signature]
MATHE

Unit 7

[Signature]



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, SACRAMENTO
CORPS OF ENGINEERS
1325 J STREET
SACRAMENTO, CALIFORNIA 95814-2922

JAN 30 2001

Navigation and Flood Control Unit

Mr. Peter D. Rabbon
General Manager
The Reclamation Board
State of California
1416 9th Street, Room 1601
Sacramento, California 95814

Dear Mr. Rabbon:

This letter is to transfer a portion of work on the San Joaquin River bank and Old River bank, to the State of California for operation and maintenance as follows:

- (a) **RD 524:** Waterside left bank of the San Joaquin River between L.M.2.54-2.56.
- (b) **RD 544:**

(1) Waterside right bank of Old River between L.M. 1.56-1.62 and L.M. 1.72-1.75; Waterside left bank of the San Joaquin River at L.M 0.11(105'), and at L.M. 0.16(125'); Waterside right bank of Old River at L.M. 1.88(25'), and between L.M. 1.62-1.69(370'); Waterside left bank of the San Joaquin River between L.M. 2.4-2.5(528');

(2) Landside left bank of the San Joaquin River at: L.M. 1.11(200'), L.M. 5.73(100'), L.M. 0.00-0.40(2,200'), L.M. 1.43(100'), and L.M. 1.82-1.89(470').

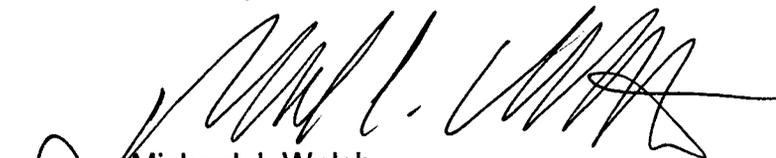
The work consisted of repairing the embankment of site (a) above in RD 524 by rockfill placement. The embankments of sites (b)(1) above in RD544 were repaired by rockfill placement. Sites (b) (2) above in RD544 were repaired by placing 50-foot-wide, 1-3-inch-thick seepage gravel berms, and utilizing geotextile fabric on their bottom faces. The work as listed in the enclosure was completed on October 29, 1997, in accordance with Specification No. 9890E, Drawing File No.7-4-1857, Contract No. DACW05-97-C-0144

The work was performed under the general authority of 33 U.S.C. 701n (69 Stat. 186) PL 84-99 and now meets the requirements of the San Joaquin River in RD 524 & 544 (SJ 5). Therefore, said flood control work, together with the waterway banks contiguous thereto, are transferred as of December 15, 1999 to the State of California for operation and maintenance.

11/17

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, San Joaquin River Flood Control Project, which is being transferred under separate cover.

Sincerely,



Michael J. Walsh
Colonel, Corps of Engineers
District Engineer

Enclosure

Unit 7

THE RECLAMATION BOARD

1416 NINTH STREET, ROOM 1601
SACRAMENTO, CA 95814
(916) 653-5434 FAX: (916) 653-5805
Permits: (916) 653-5726 FAX: (916) 653-5805



OCT 19 2001

Colonel Michael J. Conrad Jr.
District Engineer
Sacramento District
U.S. Army Corps of Engineers
1325 J Street
Sacramento, California 95814-2922

Dear Colonel Conrad:

In Colonel Michael Walsh's letter of January 30, 2001 to The Reclamation Board, the U.S. Army Corps of Engineers transferred the repaired left bank levee of the San Joaquin River at Levee Mile 2.54 to LM 2.56 (in Reclamation District No. 524) and the right bank levee of Old River at LM 1.56 to LM 1.88 in Unit 2 and left bank levee of the San Joaquin River at LM 0.00 to LM 5.73 in Unit 1 (in RD 544) to the State of California for operation and maintenance. You advised the Board that the completed repairs would be added by amendment to the Operation and Maintenance Manual, San Joaquin River Flood Control Project. We understand that the repairs were completed in accordance with the original plans and specifications. We acknowledge receipt of as-designed drawings and will forward a copy to RD 524 and RD 544.

The Board, on behalf of the State of California, accepted the completed repairs at its October 19, 2001 meeting and transferred the completed repairs to RD 524 and RD 544. Until the Corps provides the O&M Manual amendment, RD 524 and RD 544 will perform operation and maintenance according to the current manual.

If you have any questions, you may contact Peter Rabbon, General Manager of The Reclamation Board, at (916) 653-5434, or your staff may contact Mel Yarwood, Acting Chief of the Department of Water Resources' System Integrity Unit of the Division of Flood Management, at (916) 574-0367.

Sincerely,

Betsy A. Marchand
President

(See attached list)

Unit 7



cc: Mr. Kell Cloward, Chief
Readiness Branch
Sacramento District
U.S. Army Corps of Engineers
1325 J Street
Sacramento, California 95814-2922

Mr. John Rudquist, Attorney
Reclamation District No. 524
311 East Main Street, Suite 400
Stockton, California 95202

Mr. Al Warren Hoslett, Attorney
Reclamation District No. 544
311 East Main Street, Suite 504
Stockton, California 95202

Clout 7

EXHIBIT G

SUGGESTED SEMI-ANNUAL REPORT FORM

TO: The District Engineer
Sacramento District
Corps of Engineers
650 Capitol Avenue
Sacramento, California

(1 May 19__)
(1 Nov 19__)

Dear Sir:

The semi-annual report for the period (1 May 19__ to 31 October 19__) (1 November 19__ to 30 April 19__) Unit No. 7 of the San Joaquin River and Tributaries Project is as follows:

a. The physical condition of the protective is indicated by the inspector's report, copies of which are inclosed, and may be summarized as follows:

(Superintendent's summary of conditions)

It is our intention to perform the following maintenance work in order to repair or correct the conditions indicated:

(Outline the anticipated maintenance operations for the following 6 months).

b. During this report period, major high water periods (water level at 17.0 on the gage on the right bank of the San Joaquin River immediately downstream from the Mossdale Bridge on U. S. Highway No. 50) occurred on the following dates:

<u>Dates</u>	<u>Maximum Elevation</u>
_____	_____
_____	_____
_____	_____

Comments on the behavior of the protective works during such high water periods are as follows:

(Superintendent's log of flood observations)

During the high water stages when the water level reached a height of _____, on the gage or excess thereof (dates) _____, it was necessary to organize and carry out flood operations as follows:

(See Maintenance Manual _____.)

c. The inspections have indicated (no) or (the following) encroachments or trespasses upon the project right-of-way.

d. (No) (_____) permits have been issued for (the following) improvements or construction within the project right-of-way.

Executed copies of the permit documents issued are transmitted for your files.

e. The status of maintenance measures, indicated in the previous semi-annual report as being required or as suggested by the representatives of the District Engineer, is as follows:

(Statement of maintenance operations, item by item with percent completion.)

f. The fiscal statement of the Superintendent's operations for the current report period is as follows:

	<u>Labor</u>	<u>Material</u>	<u>Equipment</u>	<u>Overhead</u>	<u>Total</u>
1. Inspection					
2. Maintenance					
3. Flood Fighting operations					

TOTAL

Respectfully submitted,

Superintendent of Works