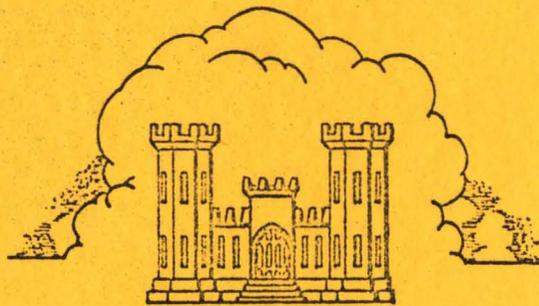


SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE
MANUAL

LOWER SAN JOAQUIN RIVER AND
TRIBUTARIES PROJECT, CALIFORNIA

UNIT NO. 9

LEVEES AROUND RECLAMATION DISTRICT NO. 2062
AND SAN JOAQUIN COUNTY FLOOD CONTROL
DISTRICT, AREA NO. 2



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

encl

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

**SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
LOWER SAN JOAQUIN RIVER AND TRIBUTARIES PROJECT**

**UNIT NO. 9
LEVEES AROUND RECLAMATION DISTRICT NO. 2062
AND SAN JOAQUIN COUNTY FLOOD CONTROL
DISTRICT AREA NO. 2**

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

**SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
LOWER SAN JOAQUIN RIVER AND TRIBUTARIES PROJECT, CALIFORNIA**

UNIT NO. 9

LEVEES AROUND RECLAMATION DISTRICT NO. 2062
AND SAN JOAQUIN COUNTY FLOOD CONTROL
DISTRICT, AREA NO. 2

LOCATION	ADDITION OR REVISION	DATE
Exhibit F	Add copy of letter of transfer dated 3 Dec 1958 (Contract 58-69)	25 May 2011
Exhibit F	Add copy of letter of transfer dated 3 Dec 1958 (Contract 58-6)	25 May 2011
Exhibit F	Add copy of correspondence letter dated 13 Jan 1959	25 May 2011
Exhibit F	Add copy of letter of transfer dated 30 Oct 1959	25 May 2011
Exhibit F	Add copy of letter of acceptance dated 10 Nov 1959	25 May 2011
1-04	Add subparagraph f	25 May 2011
Exhibit F	Add copy of letter of transfer dated 27 Nov 1961	25 May 2011
Exhibit F	Add copy of letter of acceptance dated 15 Jan 1962	25 May 2011
Exhibit F	Add copy of letter of transfer dated 7 Jan 1964	25 May 2011
1-04	Add subparagraph g	25 May 2011
Exhibit B	Add drawing no. SJ-4-112	25 May 2011
Exhibit F	Add copy of letter of transfer dated 11 Apr 2001	25 May 2011
Exhibit F	Add copy of letter of acceptance dated 19 Jun 2001	25 May 2011
Exhibit F	Add copy of letter of transfer dated 4 Sep 2001	25 May 2011
Exhibit F	Add copy of letter of acceptance dated 21 Dec 2001	25 May 2011

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EXHIBITS

<u>Exhibit</u>	<u>Description</u>	
A	Flood Control Regulations (Contained in Standard Manual)	Unattached
A-1	Location Map	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 - Levee, Channels and Structures	Sheets 1 thru 8
F	Letter of Acceptance by the State Reclamation	Sheets 1 thru 5
G	Suggested Semi-Annual Report Form	Sheets 1 and 2

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
LOWER SAN JOAQUIN RIVER AND TRIBUTARIES PROJECT

UNIT NO. 9
LEVEES AROUND RECLAMATION DISTRICT NO. 2062
AND SAN JOAQUIN COUNTY FLOOD CONTROL
DISTRICT-AREA NO. 2

SECTION I

INTRODUCTION

1-01. Location. - The improvement covered by this manual is that part of the Lower San Joaquin River and Tributaries Project levees and channels that border Reclamation District No. 2062 and the San Joaquin County Flood Control District-Area No. 2. The San Joaquin River lies south and east of this area; Old River lies along the east and north and Paradise Cut lies along the westerly side. Roughly, the area lies about five miles southwesterly from the City of Stockton. Location by levee mileage for Reclamation District No. 2062; Unit No. 1 starts at the head of Old River (Mile 0.0); thence upstream along the left bank of the San Joaquin River 2.63 miles to the Southern Pacific Railroad; Unit No. 2 starts at the Southern Pacific Railroad crossing Paradise Cut (Mile 0.0) thence downstream along the right bank of Paradise Cut 4.03 miles to the confluence of Paradise Cut and Old River; Unit 3 starts at the confluence of Paradise Cut and Old River (Mile 0.0) thence 5.63 miles upstream along the left bank of Old River to the head of Old River. For the San Joaquin County Flood Control District-Area No. 2, Unit No. 1 starts at the Southern Pacific Railroad crossing the San Joaquin River thence upstream along the left bank of the San Joaquin River 2.37 miles to the head of Paradise Cut; and Unit No. 2 starts at the head of Paradise Cut thence downstream along the right bank of Paradise Cut 1.84 miles to the Southern Pacific Railroad. The area is located within Reclamation District No. 2062 and the San Joaquin County Flood Control District-Area No. 2 in the County of San Joaquin, California 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 is 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 consists of the left bank and channel of the San Joaquin River from the head of Paradise Cut to head of Old River; the left bank of Old River to the confluence of Old River and Paradise Cut; and the right bank of Paradise Cut, a total distance of about 16.52 miles.

1-03. Protection Provided. - Levees along the San Joaquin River, Old River and Paradise Cut, as described in this unit, provide direct protection to about 4,700 acres of agricultural land within Reclamation District No. 2062 and the San Joaquin County Flood Control District-Area No. 2. Along the left bank of the San Joaquin River, the grade of the adopted flood plane varies from elevation 25.0 at the head of Paradise Cut to elevation 20.2 at the head of Old River; along the left bank of Old River the grade of the adopted flood plane varies from elevation 20.2 at the head of Old River to elevation 13.0 at its junction with Paradise Cut and along Paradise Cut the adopted flood plane varies from elevation 22.2 at the upper end to elevation 13.0 at the lower end. All elevations are referred to mean sea level datum (1929 adjustment). Levee grades within this unit provide for a freeboard of at least three feet above the adopted flood plane profile. Within this unit the project design flood for the San Joaquin River is 37,000 cubic feet per second; Old River 19,000 cubic feet per second and Paradise Cut 15,000 cubic feet per second.

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. Emergency levee repairs on the left bank of the San Joaquin River, were accomplished under Contract No. DA-04-167-CIVENG-57-45 by H. Sykes, Contractor, during the period from 25 September 1956 to 24 October 1956. Specification No. 2225 and Drawing No. 7-4-1511.

b. Stone protection along the left bank of the Old River from the head of Old River to Paradise Cut was accomplished under Contract No. DA-04-167-CIVENG-58-6 by the Basalt Rock Company, Inc., during the period from 21 August 1957 to 15 December 1958. Specification No. 2331 and Drawings No. 7-4-1517, 7-4-1559 and 7-4-1567.

c. Levee construction and stone protection along the left bank of the San Joaquin River from Banta-Carbona Intake to head of Old River was accomplished under Contract No. DA-04-167-CIVENG-58-63 by A. Teichert and Son, Inc., during the period from 6 August 1958 to 23 September 1959. Specification No. 2402 and Drawing No. 7-4-1519.

d. Patrol road on the right bank of Paradise Cut was accomplished under Contract No. DA-04-167-CIVENG-63-35 by Pacific Western Construction, Inc. and Larry W. Aksland during the period from 25 September 1962 to 9 July 1963. Specification No. 2736, Drawing No. 7-4-1646.

e. Bank protection on Old River was placed 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. Levee construction and stone protection from Banta-Carbona Intake to Old River was accomplished under Contract No. DA04-167-CIVENG-61-72 by A. Teichert & Son, Inc. during the period from 8 May 1961 to 17 November 1961. Specification No. 2656, Drawing No. 7-4-1554.

g. Emergency levee repairs at various locations on the west levee of the San Joaquin River in Reclamation Districts 2062 and 2107, and the north levee of Paradise Cut and left bank of Old River in Reclamation District 2062 were completed on 29 October 1997 by Ford, contractor, under Contract No. DACW05-97-C-0130. Specification No. 9892E, Drawing No. SJ-4-112.

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 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 co-operation 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 the State Reclamation Board. - Responsibility for operating and maintaining this unit was officially accepted by the State Reclamation Board by letters dated 4 December 1958, 29 December 1958, 7 January 1963, and 25 October 1963.

1-08. Inspection Procedure. - Since the enactment of 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 Section 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:

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, the easterly side of Paradise Cut and northerly side of Old River surrounding the Stewart Tract and that portion of the San Joaquin County Flood Control District-Area No. 2 that lies south of the Southern Pacific Railroad track. The total length of levee is about 16.52 miles. The levee has been reconstructed with a crown width of 20 feet. 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.

a. Description. Drainage and irrigation structures which extend through the levees are listed as follows:

Levee Mile	Size of Pipe	Other Description	Feet Below Crown
<u>San Joaquin County Flood Control District-Area No. 2,</u> <u>Unit No. 1 (San Joaquin River)</u>			
0.05	18 Inches	Pumphouse L.S.	15.0
0.68	12 Inches	Pumphouse W.S.	17.0
0.71	14 Inches		15.0
1.49	18 Inches	Pump on piles W.S.	2.5
2.22	14 Inches	Pumphouse L.S.	15.0
2.37	14 Inches	Pump on piles W.S.	
<u>San Joaquin County Flood Control District-Area No. 2,</u> <u>Unit No. 2 (Paradise Cut)</u>			
0.27	16 Inches	Slide gate W.S.	16.0
1.29	3-1/2 Inch	Water lines for shower	1.0
1.52	18 Inches	Flapgate W.S.	15.0
<u>R.D. No. 2062, Unit No. 1, Left Bank San Joaquin River</u>			
1.65	2-16 Inches	Slant pumps W.S.	5.0
<u>R.D. No. 2062, Unit No. 2, Right Bank Paradise Cut</u>			
0.47	36 Inches	Plugged with concrete	
0.76	18 Inches	Pumphouse W.S.	8.0
1.35	36 Inches	Plugged with concrete	
1.40	18 Inches	Pumphouse W.S.	8.0
1.67	18 Inches	Pumphouse W.S.	6.0
3.29	1 -24 Inch		
	1 -16 Inch	Pumphouse L.S.	4.0
<u>R.D. No. 2062, Unit No. 3, Left Bank Old River</u>			
0.32	12 Inches	Pumphouse W.S.	7.0
0.52	16 Inches	Pumphouse W.S.	8.0
2.16	18 Inches	Pumphouse W.S.	10.0
2.81	1 - 14 Inch		
	1 - 16 Inch	Pump on piles W.S.	3.0
5.45	2 - 16 Inch	Pump on piles W.S.	4.0

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 River, Old River and Paradise Cut for this unit lie adjacent to the levees as described in paragraph 1-02. The project design capacities of said channels are as 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, as referred to in paragraph 1-05 of this manual.

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 appraised of the current situation in accordance with terms of the Memorandum of Understanding dated 1 November 1956, between the Division Engineer, U. S. Army 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 consist of the State Department of Water Resources gage on the right bank of the San Joaquin River immediately downstream from the Mossdale Bridge, U. S. Highway No. 50.
- (3) Bridges.
 - (a) Western Pacific Railroad bridge crossing the San Joaquin River at Levee Mile 0.70.
 - (b) U. S. Highway 50 bridge crossing the San Joaquin River at Levee Mile 0.17.
 - (c) Southern Pacific Railroad bridge crossing the San Joaquin River at Levee Mile 2.65.
 - (d) Western Pacific Railroad bridge crossing Paradise Cut at Levee Mile 0.56.
 - (e) U. S. Highway 50 bridge crossing Paradise Cut at Levee Mile 1.25.
 - (f) Southern Pacific Railroad bridge crossing Paradise Cut at Levee Mile 0.00.
 - (g) Private bridge crossing Paradise Cut at Levee Mile 1.34.
 - (h) Private bridge along Paradise Road crossing Paradise Cut at Levee Mile 2.54.

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 the flood conditions or other causes, and which may be beyond the capability of local interests 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.

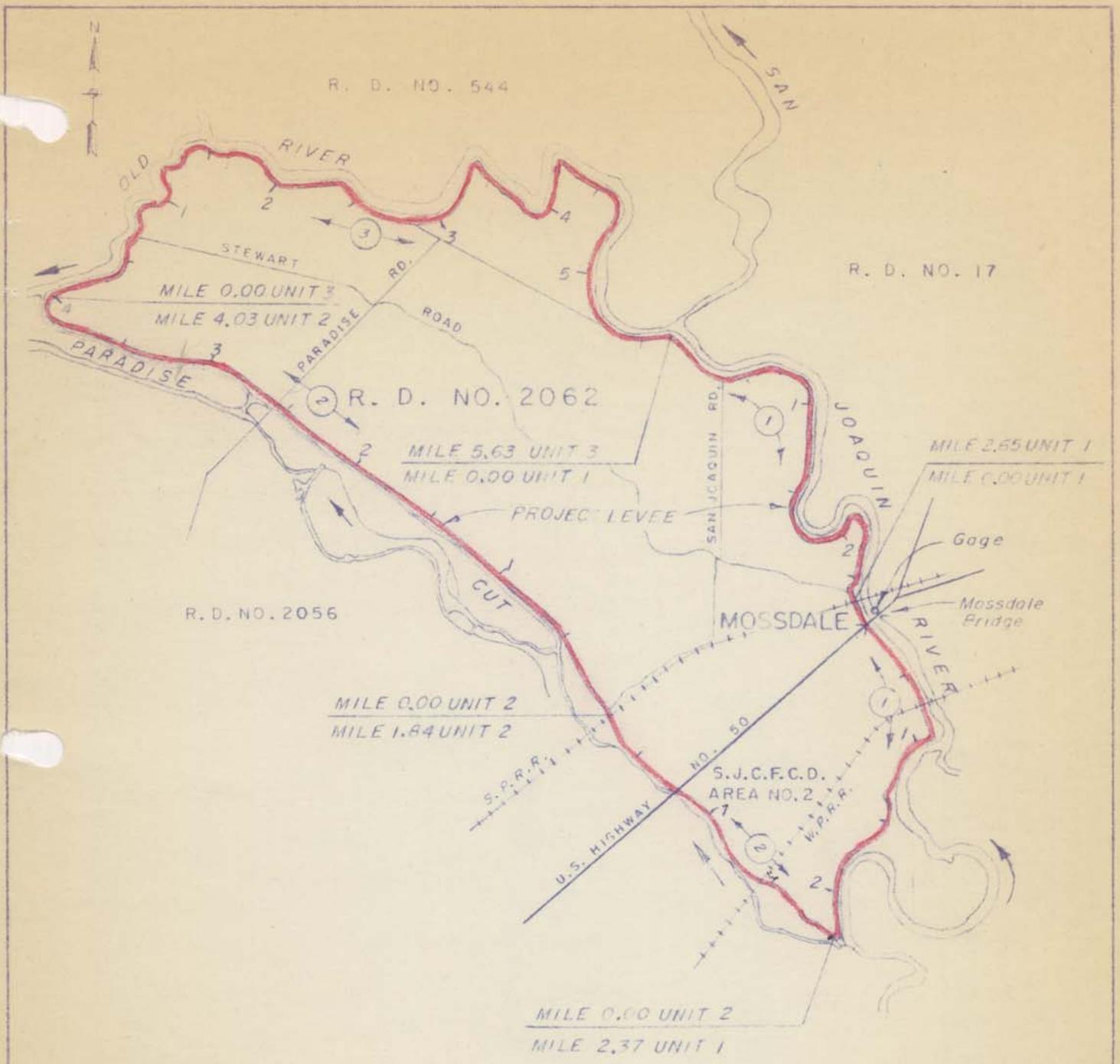
3-02. Applicable Methods of Combating Floods. - For applicable methods of combating flood conditions, reference is made to Section VIII of the Standard Operation and Maintenance Manual where the subject is fully covered.

EXHIBIT A

FEDERAL FLOOD CONTROL REGULATIONS

(SEE STANDARD MANUAL)

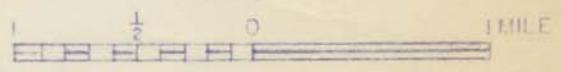
EXHIBIT A



LEGEND

— -Extent of Levees in this Unit.

SCALE IN MILES



LOCATION MAP
 UNIT NO. 9
 LEVEES AROUND R.D. NO. 2062
 AND SAN JOAQUIN COUNTY
 FLOOD CONTROL DISTRICT
 AREA NO. 2
 EXHIBIT A-1

EXHIBIT B

“AS CONSTRUCTED”
DRAWINGS

See separate folder for the following drawings:

<u>File No.</u>	<u>Title</u>
7-4-1511	Emergency Levee and Paradise Dam Repairs, in 1 sheet.
7-4-1517	Stone Protection along Right and Left Banks of Old River to Paradise Cut, Sheets 1 to 15 incl.
7-4-1519	Left Bank of San Joaquin River – Banta Carbona Intake to head of Old River, Sheets 1, 5, 6, 7, 8, 11, 12, 13, 15, 16 and 17.
7-4-1554	Stone Protection – Right and Left Banks of San Joaquin River from Walthall Slough to Old River and Banta Carbona Intake to Old River, Sheets 1, 5, 6, 9, 10, 12, 13, 16, 18, 19 and 20.
7-4-1559	Upstream Extension of Site “R” – Left Bank of Old river from head of Old River to Paradise Cub, in 1 sheet.
7-4-1567	Downstream Extension of Site “R” – Left Bank of Old River from head of Old River to Paradise Cut, in 1 sheet.
7-4-1646	Patrol Road on Right Bank of Paradise Cut, Sheets 6 and 7.
7-4-1653	Bank Protection on Old River, in 15 sheets.
SJ-4-112	Lower San Joaquin River RD 2062 and RD 2107, SJ6 Phase III Levee Restoration San Joaquin County, California, sheets G-1 and C-1 to C-3.

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,

CHANNEL AND STRUCTURES

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

SUGGESTED CHECK LIST NO. 2
UNIT NO. 9
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	

Instruction 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. 9
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 disintergration 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. 9
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) Invert paving headwall or concrete	(f) Condition of structure adjacent to right-of-way	(g) Repair measures taken since last inspection	(h) Comments
							<u>San Joaquin County, Area No. 2, Unit No. 1 (San Joaquin River)</u>
0.05	Lt.						
0.68	"						
0.71	"						
1.49	"						
2.22	"						
2.37	"						
							<u>San Joaquin County, Area No. 2, Unit No. 2 (Paradise Cut)</u>
0.27	Rt.						
1.29	"						
1.52	"						
							<u>R. D. No. 2062, Unit No. 1, Left Bank San Joaquin River</u>
1.65	"						

Instructions for Completing Sheet 6, EXHIBIT E
(To be printed on back of Sheet 6)

- (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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THE RECLAMATION BOARD
of
THE STATE OF CALIFORNIA

December 4, 1958

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

Dear Sir:

Re: Specification No. 2402, Levee Construction
and Stone Protection, Left Bank of the
San Joaquin River - Banta Carbona Intake
to Head of Old River

Reference is made to your letter dated December 3, 1958, concerning completion of construction work in connection with your plans and specifications No. 2402, Levee Construction and Stone Protection, Left Bank San Joaquin River, Banta Carbona Intake to Head of Old River.

Your letter indicates that the following sites have been completed and are turned over to the State for maintenance:

<u>Levee Unit No.</u>	<u>Site No.</u>	<u>River Mile Points</u>	<u>Right or Left Bank</u>
29	6	57.37 to 57.54	Left
30	9	62.49 to 62.73	Left
31	10	63.13 to 63.45	Left

Reference is made to your letter of June 21, 1957, relative to installation of test sections at Sites 8, 9 and 10, along the left bank of the San Joaquin River in the reach of Banta Carbona Canal to Old River. Since these sites were test sections, they were to be maintained by the Corps of Engineers for a period of five years or longer until they had been satisfactorily tested.

Therefore, it is requested that your letter of December 3, 1958, referred to above, be revised so that the following experimental levee units, together with contiguous water way banks and installed bank protection work are retained by the Corps of Engineers for the period of five years or more, as referred to in your letter of June 21, 1957, until they have been satisfactorily tested.

District Engineer

-2-

12/4/58

<u>Levee Unit No.</u>	<u>Site No.</u>	<u>River Mile Points</u>	<u>Right or Left Bank</u>
30	9	62.49 to 62.73	Left
31	10	63.13 to 63.45	Left

Very truly yours,

THE RECLAMATION BOARD
A. M. Barton
Chief Engineer and General Manager

By HOWARD S. HITCHCOCK
ASSISTANT CHIEF ENGINEER

EXHIBIT F
Sheet 2 of 5

C
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THE RECLAMATION BOARD
of
THE STATE OF CALIFORNIA

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December 29, 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 SPIKKO-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 Cut, San Joaquin County.

The Reclamation Board at its meeting of December 18, 1958, formally accepted the maintenance responsibility of the above described area and 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
Chief Engineer and General Manager

By

WILLIAM A. CARVER
Assistant Secretary

EXHIBIT F
Sheet 3 of 5

C
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THE RECLAMATION BOARD
of
THE STATE OF CALIFORNIA

C
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Y

December 29, 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 Cut, San Joaquin County.

The Reclamation Board at its meeting of December 18, 1958, formally accepted the maintenance responsibility of the above described area and 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
Chief Engineer and General Manager

By _____
WILLIAM A. CARVER
Assistant Secretary

EXHIBIT F
Sheet 3 of 5

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THE RECLAMATION BOARD
of
THE STATE OF CALIFORNIA

January 7, 1963

Refer to: 7001.37.203
4130.37.203

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

Dear Sir:

Reference is made to your letter of December 2, 1963, concerning transfer to the State of California of levee enlargement and patrol road work on the right bank of Old River at Site Nos. 61 and 62, River Mile 33.92 to 34.35 and Site No. 63A, River Mile 33.57 to 33.87, in accordance with specification No. 2786.

The Reclamation at its meeting of January 3, 1964, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

A. E. McCollam
General Manager

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THE RECLAMATION BOARD
of
THE STATE OF CALIFORNIA

October 25, 1963
Refer to: 7001.37.200
4130.37.200

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

Dear Sir:

Reference is made to your letter of July 12, 1963, concerning transfer to the State of California of bank protection, levee enlargement, patrol road construction and channel improvement on Old River and Paradise Cut which was completed on 9 July 1963, Specification No. 2736.

The flood control work referred to above is listed as follows:

a. Levee enlargement and bank protection, Old River:

<u>LEVEE UNIT NO.</u>	<u>SITE NO.</u>	<u>RIVER MILE POINTS</u>	<u>RIGHT OR LEFT BANK</u>
69	77	29.93 to 30.17	Right
70	79 - 80	29.25 to 29.50	Right
71	81 - A	28.83 to 28.97	Right
72	82	28.27 to 28.55	Right

b. Access roads: Shaping and gravel surfacing of access roads, right bank Old River at Site No. 3, and right and left bank Paradise Cut at Sites Nos. 8 and 9.

c. Patrol Roads: Shaping and gravel surfacing of patrol roads right bank Old River at Sites Nos. C, D, E, and F (included on portion of Salmon Slough); and right and left banks of Paradise Cut at Sites Nos. G and H.

d. Channel Improvement: Clearing of trees and brush in floodway area of Paradise Cut in vicinity from Paradise Dam to Highway 50.

The Reclamation Board, at its meeting of August 1, 1963, formally accepted the above referred to levee enlargement, bank protection and channel work for operation and maintenance.

Sincerely yours,

A.E. MCCOLLAM
General Manager

EXHIBIT F
Sheet 5 of 5

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

3 DEC 1958

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

14

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 31 March 1958 relative to plans and specifications No. 2402, Levee Construction and Stone Protection, Left Bank San Joaquin River, Santa Carbons Intake to Head of Old River, San Joaquin County, California.

The following listed units of work consisting of levee construction and stone protection have now been completed in accordance with Specification No. 2402, Contract No. DA-04-167-CIVENG-58-53 and Drawing No. 7-4-1519. In accordance with the understandings in the above referenced correspondence these levee units, together with the waterway banks contiguous thereto, are hereby transferred to the jurisdiction of the State of California for operation and maintenance.

<u>Levee Unit No.</u>	<u>Site No.</u>	<u>River Mile Points</u>	<u>Right or Left Bank</u>
29	6	57.37 to 57.54	Left
B.C. 30	9*	62.49 to 62.73	Left
A.V.A. 31	10*	63.13 to 63.45	Left

Units 9, 11

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

* Sites #8, 9 & 10 to be maintained by Corps.

Posted

Cont # 58-63
Units 29-31

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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CERTIFIED MAIL
RETURN RECEIPT REQUESTED

3 DEC 1958

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

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 Dept Water Res w/o incl
O.C.E. w/o incl
SoPacDivnEngr w/o incl

A. E. McCOLLAM
Colonel, CE
District Engineer

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

Units 9-11

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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*

SAN OFNS OFC

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

SPKKO-P

13 JAN 1959

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

Gentlemen:

Reference is made to Reclamation Board letter, dated 4 December 1958, requesting a revision of Sacramento District letter, dated 3 December 1958, transferring certain levee units of the San Joaquin River Project to the State of California for maintenance and operation.

The request was made in your letter that experimental sites 9 and 10 be not transferred for maintenance and operation at this time citing our letter dated 21 June 1957 to support this view. The procedure in our 21 June 1957 letter is applicable only to the bank protection and does not apply to the levee proper as such. These levee sections meet the requirements of the Project and are therefore included in the transfer. However, we will adhere to the procedure regarding the bank protection maintenance set forth in Sacramento District letter dated 21 June 1957.

Sincerely yours,

cc: Eng (Levees)
Opers Br (2)

BRUCE W. REAGAN
Lt Col, CE
Assistant District Engineer

824.3 (S. J. R.)

285/682

[Handwritten signature]

Concurrences	
Originator:	<i>[Handwritten initials]</i>
Date:	1-12-58
Dist.	
Engr.	
Asst. D.E.	
(A)	
Asst. D.E.	
(O)	3
Exec.	
Asst.	<i>[Handwritten initials]</i>
Comptlr.	
Budget	
Fin. & Accto.	
Mgmt.	
Property	
Office service	
Constn.	
Opns	<i>[Handwritten initials]</i>
Engr'g	
S. E.	
Prsnl.	
Legal	
Supply	

Units 9, 11

[Handwritten initials]

M & R FILE COPY

30 OCT 1959

SPKKO-P

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

285/65

Gentlemen:

Reference is made to Sacramento District letter dated 3 December 1958, and to correspondence outlined therein relative to the State's responsibility for 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 31 March 1959 relative to plans and specifications No. 2402, Levee Construction and Stone Protection, Left Bank San Joaquin River, Banta Carbona Intake to Head of Old River, San Joaquin County, California.

The following listed units of work, consisting of levee construction and bank protection, have now been completed in accordance with Specification No. 2402, Contract No. DA-04-167-CIVENG-58-63 and Drawing No. 7-4-1519. In accordance with the understandings in the above referenced correspondence these levee units, together with the waterway banks contiguous thereto, are hereby transferred to the State of California for operation and maintenance:

(Sg. Riv. + Trk.)

<u>LEVEE UNIT NO.</u>	<u>SITE NO.</u>	<u>RIVER MILE POINTS</u>	<u>RIGHT OR LEFT BANK</u>
32	1	53.19 to 53.76	Left
33	4	55.65 to 55.99	Left
34	8 (test sec.)	60.93 to 61.22	Left

Units 59, 11

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

Postcard

REGISTERED

RETURN RECEIPT REQUESTED

30 OCT 1959

SPKKO-P
The Reclamation Board

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,

H. A. MORRIS
Colonel, CE
District Engineer

1 Incl
F.C. Reg.

Copy furnished:
Dept Water Res.
23rd & "R" Sts.
Sacto, Calif.

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

cc: Engr Divn, Levees & Channels Sec w/• incl
Northern Area Office w/o incl
Operations Branch w/o incl

[Handwritten signature]

Concurrences	
Originator:	LTK
Date:	10/27/59
Dist.	
Engr.	3
Asst. D.E. (A)	
Asst. D.E. (O)	
Exec. Asst.	<i>[Handwritten signature]</i>
Cmptr.	
Budget Fin. & Acctg.	
Mgmt.	
Property Office Service	
Constn- Opns.	<i>[Handwritten signature]</i>
Engr's	<i>[Handwritten signature]</i>
R. E.	
Prsnl.	
Legal	
Supply	
<i>[Handwritten initials]</i>	
<i>[Handwritten initials]</i>	

REGISTERED
RETURN RECEIPT REQUESTED

[Handwritten initials]

EDMUND G. BROWN
GOVERNOR

STANLEY W. KRONICK, SACRAMENTO
PRESIDENT
GROVER SHANNON, YUBA CITY
VICE PRESIDENT
GEO. H. HOLMES, CLARKSBURG
SECRETARY
J. J. MADIGAN, CHICO
MAX S. VANN, SR., WILLIAMS
WALLACE MCCORMACK, RIO VISTA
GEORGE W. NICKEL, JR., LOS BANOS

THE RECLAMATION BOARD

OF THE
STATE OF CALIFORNIA

1215 O STREET
SACRAMENTO 14, CALIFORNIA
TELEPHONE: HI 5-4711

A. N. MURRAY
GENERAL MANAGER AND CHIEF ENGINEER
STANLEY MOSK
LEGAL ADVISER
HOWARD S. HITCHCOCK
ASSISTANT CHIEF ENGINEER
G. E. WALTON
SUPERVISOR ADMINISTRATIVE SERVICES
ROBERT W. JAMES
ASSOCIATE COUNSEL

November 10, 1959

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

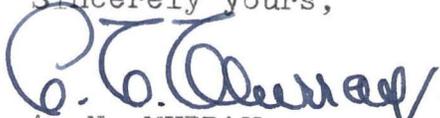
Dear Sir:

Reference is made to your letter of October 30, 1959, SPKKO-P, regarding transfer to the State of levee sections on the left bank of the San Joaquin River at the locations listed below:

<u>Levee Unit</u> <u>No.</u>	<u>Site</u> <u>No.</u>	<u>River Mile Points</u>
32	1	53.19 to 53.76
33	4	55.65 to 55.99
34	8	60.93 to 61.22

The Reclamation Board at its meeting of November 5, 1959, formally accepted these levee sections for operation and maintenance with the understanding that at Site 8, which is a test section, the bank protection itself will remain under the maintenance of the Corps of Engineers during the test period.

Sincerely yours,



A. N. MURRAY
General Manager and Chief Engineer

HSH:fmb

Units 9, 11

Posted

*Copy furnished
+ Harbor
Jensen in Levees Sec*

27 NOV 1961

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

Gentlemen:

Reference is made to the joint inspections made on 16 October 1961 and 14 November 1961 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 levee construction and bank protection, right and left banks San Joaquin River from Walthall Slough to Old River and Banta Carbona Intake to Old River, was completed on 17 November 1961, in accordance with Specification 2656, Contract No. DA-04-167-CIVENG-61-72 and Drawing No. 7-4-1554. The levee sections referred to above are listed as follows:

a. Levee construction and bank protection:

<u>Levee Unit No.</u>	<u>Site No.</u>	<u>River Mile Points</u>	<u>Right or Left Bank</u>
40 (Test Site F)	11	60.70 to 60.85	Left <i>Unit 11</i>
41	J	56.97 to 57.15 (Walthall Slough)	Right <i>Unit 2</i>
42	K	56.50 to 56.90	Right <i>Unit 2</i>
43	K-Ext	56.23 to 56.32	Right <i>Unit 9</i>
44	L	56.23 to 56.75	Left <i>Unit 2</i>
45	M	54.85 to 55.32	Left <i>Unit 2</i>
46	N	Spur levee at Mi 55.07, 1044-ft in length	Right <i>Unit 2</i>
47	O	52.65 to 53.93	Right <i>Unit 2</i>

Transfer of Levee Unit No. 40 (Test Site F) above, includes levee and berm only. The bank run dredge tailings bank protection will be maintained by the Corps of Engineers until such time as this reach meets the requirements of the Project.

Postal

27 NOV 1961

SFKKO-C
The Reclamation Board

b. Shaping and gravel surfacing of levee crown, left bank San Joaquin River at Sites Nos. 1 (Banta Carbona Canal), 2, 3, 3a, 4 & 4a (Paradise Cut to U.S. Highway 50), 5, 6 & 7, between River Mile 53.4 to 63.6; shaping and gravel surfacing of levee crown, right bank San Joaquin River at Sites Nos. 8, 9, 9a, 9b & 10, between River Mile 53.4 to 57.0.

The above work, together with portions of flood control work transferred to the State of California by letter from this office dated 18 September 1961, completes all requirements under the contract designated herein, with exceptions as noted.

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 the left bank of San Joaquin River from Banta Carbona Canal to Old River, and along the right bank from Walthal Slough to Old River.

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.

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

Sincerely yours,

H. N. TURNER
Colonel, CE
District Engineer

1 Encl
F.C. Reg.

Copy furnished:
Dept Water Resources
23rd & "R" Streets
Sacramento, Calif.

O.C.E.
S.P.D.

cc: Engr Divn, ProgDevBr; Engr Divn, Lev&ChanSect, Norther Area Ofc, F&ABr.w/o incl

OPERATIONS BRANCH
CHANNELS & LEVEES SECTION

Concurrences	
Originator:	LHK
Date:	11/27/61
Dist. Engr.	[Signature]
Dep. Dist. Engr.	[Signature]
Exec. Asst.	
Cmplr.	
Budget	
Fin. & Acctg.	
Mgmt.	
Property	
Office Service	[Signature]
Const. Opps.	
Engr'g.	
R. E.	
Personnel	
Counsel	
Supply	
Security	
Safety	
Tech. Liaison	

Units 2, 9, 11

EDMUND G. BROWN
GOVERNOR

STANLEY W. KRONICK, SACRAMENTO
PRESIDENT

J. J. MADIGAN, CHICO
VICE PRESIDENT

WALLACE MCCORMACK, RIO VISTA
SECRETARY

THE RECLAMATION BOARD
OF THE
STATE OF CALIFORNIA

1215 O STREET
SACRAMENTO 14, CALIFORNIA
TELEPHONE: HI 5-4711

MAX S. VANN, SR., WILLIAMS
GEORGE W. NICKEL, JR., LOS BANOS
HAROLD J. O'BANION, DOS PALOS
CHARLES J. MATHEWS, MARYSVILLE
BOARD MEMBERS
ROBERT W. JAMES
GENERAL MANAGER AND CHIEF COUNSEL

January 15, 1962

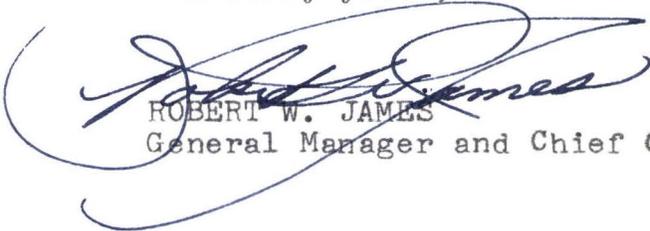
District Engineer
Sacramento District
U. S. Corps of Engineers
P. O. Box 1739
Sacramento, California

Dear Sir:

Reference is made to your letter of November 27, 1961, regarding the transfer to the State of California of levee improvement and patrol road work along the left and right banks of the San Joaquin River from Walthall Slough and Banta-Carbona Intake downstream to Old River under Specifications No. 2656.

The Reclamation Board at its meeting of January 4, 1962, formally accepted the above referred to levee and patrol road work for operation and maintenance.

Sincerely yours,


ROBERT W. JAMES
General Manager and Chief Counsel

HSH:els

Units 2, 9, 11

7 January 1964

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

32.94
 31.30

 1.64
 33.25
 33.17

 0.08
 34.12
 33.83

 0.29

Gentlemen:

Reference is made to the joint inspection made on 3 January 1964 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 left bank of Old River, was completed on 27 December 1963 in accordance with Specification No. 2786, Contract No. DA-04-167-CIVENG-63-60, and Drawing No. 7-4-1653. The flood control work referred to above is listed as follows:

<u>LEVEE</u> <u>UNIT NO.</u>	<u>SITE NO.</u>	<u>RIVER MILE POINTS</u>	
76	67, 68 & 71A	31.30 to 32.94	1.64
77	65B	33.17 to 33.25	.08
78	64	33.83 to 34.12	.29
			<u>2.01</u>

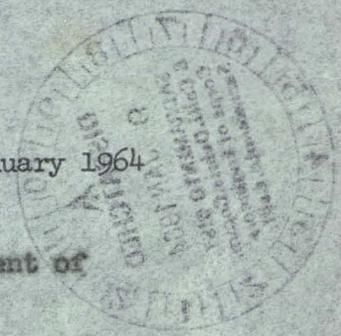
Levee Units 74 and 75 (Sites 61, 62 and 63A) were transferred to your jurisdiction by letter dated 2 December 1963.

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 unit of work will be furnished to you upon completion.

Unit 9

SPKCO-N
The Reclamation Board

7 January 1964



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

Sincerely yours,

/ Incl
F.C. Regulations

ROBERT E. MAZHE
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

LWK
KRISTOF/pnp

[Signature]
THOMPSON

[Signature]
HART

[Signature]
MAZHE

Unit 9

aw

APR 11 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 west levee of the San Joaquin River from the UPRR railroad tracks (Unit 1, L.M. 0.00) to L.M. 2.37 in Unit 1, RD 2107, to the State of California for operation and maintenance.

The work consisted of restoring levees damaged by the January 1997 Flood. The west levee of the San Joaquin River in Unit 1 was restored with levee fill over filter fabric on the waterside at Levee Mile 0.80-1.00, and the levee section was restored with levee fill on the waterside at Levee Mile 0.70-0.80 and Levee Mile 1.00-1.12. The work, as listed in the enclosure, was completed on October 29, 1997 in accordance with Specification No. 9893E, Drawing File No. SJ-4-112, Contract No. DACW05-97-C-0130.

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 Operations and Maintenance Manual for the San Joaquin River Flood Control System in RD 2107. Therefore, said flood control work, together with the waterway banks contiguous thereto, are transferred as of the date of this letter to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, San Joaquin River Flood Control Project.

Sincerely,

Michael J. Walsh
Colonel, Corps of Engineers
District Engineer

JM
MINTON/dd

MT
TAVANA

SD
SANDNER

W
WINTON

EM
DURHAM-AGUIRERA

EW
DOYLE

KA
KORMAN

CB
CHARLTON

OB
O'BRIEN

MJW
WALSH

Enclosure

cc:
CESPK-CO-E
CESPK-ED
CESPK-ED-D
CESPK-PM
CESPK-CO-RV

Unit 9

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



JUN 19 2001

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

Dear Colonel Walsh:

In your April 11, 2001 letter to The Reclamation Board, the U.S. Army Corps of Engineers transferred the repaired west levee of the San Joaquin River at Levee Mile 0.70 to LM 0.80, LM 0.80 to LM 1.00, and LM 1.00 to LM 1.12 (in Reclamation District No. 2107) 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-constructed drawings and will forward a copy to RD 2107.

The Board, on behalf of the State of California, accepted the completed repairs at its June 15, 2001 meeting and transferred the San Joaquin levee repairs to RD 2107. Until the Corps provides the O&M Manual amendment, RD 2107 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 Debbie Carlisle, Chief of the Department of Water Resources' System Integrity Section of the Division of Flood Management, at (916) 574-0364.

Sincerely,

Betsy A. Marchand
President

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

Mr. Warren Al Hoslett, Attorney
Reclamation District No. 2107
311 East Main Street, Suite 504
Stockton, California 95202

Unit 9



SEP 04 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 west levee of the San Joaquin River from Old River to UPRR railroad tracks, north levee of Paradise Cut from UPRR railroad tracks to junction of Old River, and the left bank levee of Old River from Paradise Cut to the San Joaquin River in RD 2062, to the State of California for operation and maintenance as follows:

- (a) Unit 1: Waterside west levee of the San Joaquin River at L.M. 1.54-1.61.
- (b) Unit 2: Waterside north levee of Paradise Cut at L.M. 2.61-2.66.
- (c) Unit 3:
 - (1) Landside of the left bank levee of Old River L.M. 0.85-0.86 and L.M. 1.14-1.16.
 - (2) Landside of Old River at L.M. 0.04-0.07 and L.M. 0.36-0.54.
 - (3) Landside of the left bank levee of Old River at L.M. 0.01-0.04, L.M. 0.07-0.12, L.M. 0.12-0.30, L.M. 0.30-0.36, and L.M. 0.54-0.66.

The work consisted of restoring areas damaged by the January 1997 Flood. Site (a) and (c)(1) were restored with placing riprap over filter fabric. On site (b) and site (c)(2), levee fill was placed over filter fabric. The levee section at site (c)(3) was restored by placing fill on the landside levee. The work as listed in the enclosure was completed on October 29, 1997 in accordance with Specification No. 9892E, Drawing File No. SJ-4-112, Contract No. DACW05-97-C-0130.

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 Operations and Maintenance Manual for the San Joaquin River Flood Control System in RD 2062. Therefore, said flood control work, together with the waterway banks contiguous thereto, are transferred as of the date of this letter to the State of California for operation and maintenance.

Unit 9

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

Sincerely,

Michael J. Conrad, Jr.
Colonel, Corps of Engineers
District Engineer

Enclosure

cc:
CESPK-CO-E
CESPK-ED
CESPK-ED-D
CESPK-PM
CESPK-CO-RV

MINTON *SM*

TAVANA

SANDNER

WINTON *Z*

DURHAM-AGUILERA *FR Z*

DOYLE

KORMAN

CHARLTON

O'BRIEN

CONRAD

Unit 9

THE RECLAMATION BOARD

1416 NINTH STREET, ROOM 1601
SACRAMENTO, CA 95814
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DEC 21 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 your letter of September 4, 2001 to The Reclamation Board, the U.S. Army Corps of Engineers transferred the repaired west levee of the San Joaquin River at Levee Mile 1.54 to LM 1.61, the north levee of Paradise Cut at LM 2.61 to LM 2.66 and the left-bank levee of Old River at LM 0.01 to LM 0.66, LM 0.85 to LM 0.86, and LM 1.14 to LM 1.16 (all in Reclamation District No. 2062) 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-constructed plans and will forward a copy to RD 2062.

The Board, on behalf of the State of California, accepted the completed repairs at its December 21, 2001 meeting and transferred the San Joaquin River, Paradise Cut, and Old River levee repairs to RD 2062. Until the Corps provides the O&M Manual amendment, RD 2062 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 Section of the Division of Flood Management, at (916) 574-0367.

Sincerely,

Betsy A. Marchand
President

cc: (See attached list.)

Unit 9

EXHIBIT G

SUGGESTED SEMI-ANNUAL REPORT FORM

EXHIBIT G

TO: The District Engineer
Sacramento District
Corps of Engineers
650 Capital 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. 9 of the Lower San Joaquin River and Tributaries Project is as follows:

a. The physical condition of the protective works 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 with 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:

1.	<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

EXHIBIT G
Sheet 2 of 2