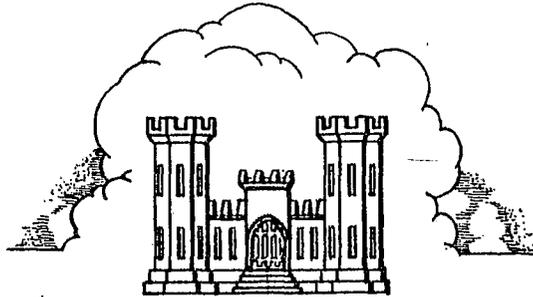


Revised 29 Dec 2016

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE
MANUAL

SACRAMENTO RIVER
FLOOD CONTROL PROJECT

UNIT NO. 110
LEVEES AROUND
SUTTER ISLAND
RECLAMATION DISTRICT NO. 349



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

1.5 miles upstream end

See 1

CORPS OF ENGINEERS
U. S. ARMY

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
SACRAMENTO RIVER FLOOD CONTROL PROJECT

UNIT NO. 110
LEVEES AROUND
SUTTER ISLAND

RECLAMATION DISTRICT NO. 349

Sacramento District
Corps of Engineers
U. S. Army
May 1959

**SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
SACRAMENTO RIVER FLOOD CONTROL PROJECT**

UNIT NO. 110

LEVEES AROUND
SUTTER ISLAND
RECLAMATION DISTRICT NO. 349

LOCATION	ADDITION OR REVISION	DATE
1-04 g.	Add contract no. 64-51	Oct 1964
Exhibit B	Add drawing no. 50-4-3741	Oct 1964
Exhibit F	Add copy of letter of transfer dated 1 Oct 1964	Oct 1964
1-04 h.	Add contract no. 65-95	Apr 1966
Exhibit B	Add drawing no. 50-13-4037	Apr 1966
Exhibit F	Add letter of acceptance dated 16 Nov 1965	Apr 1966
1-04 i.	Add contract no. 66-102	Dec 1966
Exhibit B	Add drawing no. 50-4-4006	Dec 1966
Exhibit F	Add letter of transfer dated 23 Nov 1966	Dec 1966
1-04 j.	Add contract no. 66-149	Apr 1967
Exhibit B	Add drawing no. 50-4-4008	Apr 1967
Exhibit F	Add letter of acceptance dated 23 Dec 1966	Apr 1967
1-04	Add subparagraph k.	Dec 1975
2-01	Add subparagraph c.	Dec 1975
Exhibit B	Add drawing no. 50-4-4768	Dec 1975
Exhibit F	Add letter of acceptance dated 15 Nov 1974	Dec 1975
1-04	Add subparagraph l.	Mar 1978
2-01	Delete paragraph c (Dec. 1975)	Mar 1978
2-05	Add environment protection	Mar 1978
Exhibit B	Add drawing no. 50-4-4898	Mar 1978
Exhibit F	Add letter of acceptance dated 14 Dec 1976	Mar 1978
1-04 m.	Add subparagraph m.	Mar 1983
Exhibit B	Add drawing no. 50-4-5164	Mar 1983
Exhibit F	Add copy of letter of transfer dated 4 Oct 1977	Mar 1983
1-04	Add subparagraph n.	Dec 1983
Exhibit B	Add drawing no. 50-4-5541	Dec 1983
Exhibit F	Add copy of letters of transfer dated 19 Jan 1981, 16 Nov 1982, 30 Nov 1982	Dec 1983
1-04	Add subparagraph o.	Aug 1990
Exhibit B	Add drawing no. 50-4-5697	Aug 1990
Exhibit F	Add copy of letter to transfer dated 13 Dec 1985	Aug 1990
Exhibit F	Add copy of letter of transfer dated 17 Nov 1951	16 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 6 Aug 1952	16 Dec 2010

LOCATION	ADDITION OR REVISION	DATE
Exhibit F	Add copy of letter of transfer dated 14 Jan 1955	16 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 7 Feb 1955	16 Dec 2010
Exhibit F	Add copy of letter of transfer dated 8 Sep 1965	16 Dec 2010
1-04	Add subparagraph p	16 Dec 2010
Exhibit B	Add drawing no. 50-4-6030	16 Dec 2010
Exhibit F	Add copy of letter of transfer dated 11 Apr 2001	16 Dec 2010
Exhibit F	Add copy of letter of transfer dated 5 Dec 1966	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 5 Nov 1974	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 2 Dec 1976	7 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 7 Nov 1977	7 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 1 Dec 1982	7 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 21 Dec 1982	7 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 18 Mar 1986	7 Mar 2011
1-04	Add subparagraph q	7 Mar 2011
Exhibit B	Add drawing no. 50-4-5777	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 13 Jan 1988	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 29 Sep 1988	7 Mar 2011
1-04	Add subparagraph r	7 Mar 2011
Exhibit B	Add drawing no. 50-4-5784	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 16 Nov 1989	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 29 Nov 2016	29 Dec 2016

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*(Added March 1978)

EXHIBITS

<u>Exhibit</u>	<u>Description</u>
A	Flood Control Regulations Unattached (Contained in Standard Manual)
A-1	Location Map 1 Sheet
B	"As Constructed" Drawings Unattached
C	Plates of Suggested Flood Fighting Methods . . Unattached (Contained in Standard Manual)
D	Check List No. 1 - Levee Inspection Report . . Unattached (Contained in Standard Manual)
E	Check Lists - Levees, Channels, and Structures..Sheets 1 thru 9
F	Letters of Transfer to the State Reclamation Board Sheets 1 thru 6
G	Suggested Semi-Annual Report Form Sheets 1 and 2

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
SACRAMENTO RIVER FLOOD CONTROL PROJECT
UNIT NO. 110
LEVEES AROUND SUTTER ISLAND
RECLAMATION DISTRICT NO. 349

SECTION I

INTRODUCTION

1-01. Location. The improvement covered by this manual is that part of the Sacramento River Flood Control Project which comprises the levee and channel along the Sacramento River, Sutter Slough and Steamboat Slough that surrounds Sutter Island near Courtland, California. The levee of this unit lies within Reclamation District No. 349 as shown on the location map, Exhibit A-1.

1-02. Protection Provided. The levee of this unit is an essential feature of the Sacramento River Flood Control Project. It provides direct protection to about 2,380 acres of agricultural land that comprises Sutter Island, against floodwaters of the Sacramento River, Steamboat Slough and Sutter Slough. The grade of the adopted flood plane profile in the Sacramento River varies from elevation 21.2 on the north end to elevation 20.5 at the head of Steamboat Slough. Along Steamboat Slough the grade of the adopted flood plane profile varies from elevation 20.5 at the head of Steamboat Slough on the north end to elevation 18.2 at the junction of Steamboat and Sutter Sloughs on the south end. Along Sutter Slough the grade of the adopted flood plane profile varies from elevation 21.2 on the north end to elevation 18.2 on the south end at the junction of Sutter and Steamboat Sloughs. The reach of the Sacramento River from the head of Sutter Slough to the head of Steamboat Slough has a project design capacity of 84,500 cubic feet per second; along Steamboat Slough the project design capacity is 28,000 cubic feet per second from the head of Steamboat Slough to its junction with Sutter Slough; and along Sutter Slough the project design capacity is 25,500 cubic feet per second from its head to the junction with Miner Slough and from said junction to Steamboat Slough the project design capacity is 15,500 cubic feet per second. The levee provides for a freeboard of at least 3 feet above the adopted flood plane profile within this unit.

1-03. Project Works. The flood control improvement covered by this manual is a part of the Sacramento River Flood Control Project authorized by the Flood Control Act of 1917, as modified by the Acts of 1928, 1937, and 1941, and consists of the west levee (right bank) and channel of the Sacramento River from the head of Sutter Slough to the head of Steamboat Slough, a distance of about 1.59 miles; the west levee (right bank) and channel of Steamboat Slough from the head of Steamboat Slough to its junction with Sutter Slough, a distance of 4.35 miles; and the east levee and channel (left bank) of Sutter Slough from its head to its junction with Steamboat Slough, a distance of about 6.55 miles. The above-described levees were originally built by local interests and portions as shown on the drawings of Exhibit B were enlarged, set back, repaired or provided with stone protection by the Corps of Engineers to project standards.

1-04. Construction Data and Contractor. Construction required by the Corps of Engineers to bring levees of this unit to project standards and to perform repair work to locally built levees was accomplished under the following job orders and contracts:

- a. Bank protection work on Sutter Island was accomplished by hired labor under Job Order No. 630 and completed during 1940. Drwg. 50-4-1839
- b. Bank protection on the Sacramento River at mile 33.6 on Sutter Island was completed by Basalt Rock Company on 21 February 1947. Drwg. 6-4-1598
- c. Levee setback and bank protection on Sutter Island was accomplished under Contract No. DA-04-167-eng-640 by A. Teichert & Son, Inc., during the period from 15 August 1951 to 9 May 1952. Spec. 1515-a, Drwg. 50-4-2716
- d. Levee strengthening and bank protection on the Sacramento River at Sutter Island was accomplished under Contract No. DA-04-167-eng-1158 by Hutchinson Company during the period from 2 June 1954 to 23 November 1954. Drwg. 50-4-3009
- e. Bank protection along Sutter and Steamboat Slough on Sutter Island was accomplished under Contract No. DA-04-CIV-ENG-56-34 by Basalt Rock Company during the period from 16 November 1955 to 8 January 1957. Spec. 1964, Drwg. 50-4-3042
- f. Installation of relief wells on the lower end of

Sutter Island was accomplished under Contract No. DA-04-167-CIVENG-57-76 by C.S. Phillips Construction Company during the period from 13 November 1956 to 12 April 1957. Spec 2256, Drwg. 50-4-3314.

This work was performed under the Sacramento River Bank Protection Project authorized by the Flood Control Act of 14 July 1960, Eighty-sixth Congress, Senate Document No. 103.

g. Stone protection at various locations between Sacramento and Rio Vista (Contract No. 2) was accomplished under Contract No. DA-04-167-CIVENG-64-51 by Peter L. Ferry and Son during the period from 17 December 1963 to September 1964, Specification No. 2957, Drawing No. 50-4-3741.

h. Bank protection, right bank of Steamboat Slough was accomplished under Contract No. DA-04-167-CIVENG-65-95 by James L. Ferry & Son during the period from 18 June 1965 to 9 August 1965, Specification No. 3159, Drawing No. 50-13-4037.

i. Bank protection, left bank Sutter Slough (Unit No. 9) was accomplished under Contract No. DA-040167-CIVENG-66-102 by Basalt Rock Company, Inc. during the period from 13 April 1966 to 16 November 1966. Specification No. 3155, Drawing No. 50-4-4006.

j. Bank protection, right bank of Steamboat Slough (Unit No. 10) Miles 24.4 and 25.0 was accomplished under Contract No. DA-04-167-CIVENG-66-149 by Basalt Rock Company, Inc. during the period from 19 July 1966 to December 1967. Specification No. 3156, Drawing No. 50-4-4008.

k. Bank protection, selective clearing and bank shaping of Steamboat Slough Site Miles 22.0, 22.6, 23.5, 24.6 and 25.1 right bank and Sutter Slough Site Miles 22.1 23.2, 23.4 and 27.9 left bank, a portion of the Sacramento River Bank Protection Project Unit No. 25, was accomplished under Contract No. DACW05-73-C-0046 by James L. Ferry and Son during the period from 8 November 1972 to 5 November 1974. Specification No. 4210, Drawing No. 50-4-4768.

l. Bank protection, selective clearing and bank shaping of the Sacramento River, Site Mile 33.1, right bank, a portion of the Sacramento River Bank Protection Project Unit no 28 was accomplished under Contract No. DACW05-76-C-0015 by James L. Ferry and Son, Inc. during the period from 25 August 1975 to 27 December 1976. Specification No. 4559, Drawing No. 50-4-4898.

m. Bank sloping, stone protection and selective clearing on the left bank of the Sutter Slough at Site Miles 22.7, 23.0, 23.7, 23.9, 24.8, 25.4 and 26.4 and right bank of Steamboat Slough at Site Miles 23.0, 23.9, and 24.0 (a portion of Unit 31) was accomplished under Contract No. DACW-77-C-0046 by James L. Ferry and Sons, Inc. Construction was completed on 15 October 1977, Specification No. 5106, Drawing No. 50-4-5164.

n. Bank sloping, stone protection and selective clearing on the right bank of Steamboat Slough at Site Miles 22.3, 22.9, 24.6, 25.4, 25.5, 25.7, 25.8 and 26.0 and on the left

bank of Sutter Slough at Site Miles 21.9, 24.4, 24.6, 25.9, 26.9, 27.6 and 28.0 (a portion of Unit 36) was accomplished under Contract No. DACW05-80-C-0113 by E. W. Eldridge. Specification No. 5747, Drawing No. 50-4-5541.

o. Bank sloping, stone protection and selective clearing on the right bank of Steamboat Slough at Site Mile 25.3 and on the right bank of the Sacramento River Site Mile 33.5 (a portion of Contract 37) was accomplished under Contract No. DACW05-84-C-0104 by Roy D. Garren Corp. Construction was completed on 6 December 1985. Specification No. 7014, Drawing No. 50-4-5697.

p. Emergency repairs (PL 84-99), various locations along the west levee of the Sacramento River, the west levee of Steamboat Slough and the east levee of Sutter Slough all in Reclamation District 349 were completed by Clemens Construction, contractor, on 11 October 1997 under Contract No. DACW05-97-C-0121. Specification No. 9880E, Drawing No. 50-4-6030.

q. Bank sloping and stone protection at various locations along the right and left banks of Sutter, Steamboat and Miner Sloughs and the Sacramento River was completed on 24 December 1987 and 12 August 1988 under Contract No. DACW05-87-C-0079 by J.E. McAmis, Inc.. Specification No. 8054 and Drawing No. 50-4-5777.

r. Bank sloping, stone protection, and selective clearing on the right bank of Steamboat Slough, Site Mile 22.1 and on the left bank of Sutter Slough at Site Mile 22.2 (a portion of Contract 42) was completed on 8 November 1989 under Contract No. DACW05-89-C-0037 by J.E. McAmis, Inc.. Specification No. 8259, Drawing No. 50-4-5784.

1-05. Flood Flows. For purposes of this manual, the term “flood” or “high water period” shall refer to flows when the water surface reaches or exceeds a reading of 17.0 on the State Department of Water Resources continuous water stage recorder and staff gage located on the left bank of the Sacramento River one-quarter mile upstream from the head of Snodgrass Slough. Gage set at 0.0 feet U.S. Corps of Engineers datum and minus 3.02 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 Chapter 3, Part 2, Division 5 of the State Water Code (see paragraph 2-05a of the Standard Manual).

1-07. Transfer to the State Reclamation Board. Responsibility for operating and maintaining the levee and channel of Unit No. 110 was officially transferred to the Reclamation Board of the State of California by letters dated 8 December 1951, 15 May 1952 and 18 December 1956, all as shown on copies of the transfer, Exhibit F.

1-08. Superintendent. The name and address of the Superintendent appointed by local interests to be responsible for the continuous inspection, operation and maintenance of the project works shall be furnished by the District Engineer, and in case of any change of Superintendent, the District Engineer shall be so notified.

SECTION II

FEATURES OF THE PROJECT SUBJECT TO FLOOD CONTROL REGULATIONS

2-01. Levee.

a. Description. The levee along that portion of the right bank of the Sacramento River, the right bank of Steamboat Slough and the left bank of Sutter Slough that surrounds Sutter Island is located as described in paragraphs 1-01 and 1-03 of this manual. A paved road traverses the crown of the levee for the full distance around Sutter Island, and that part which is along the Sacramento River is traversed by State Highway No. 24. For more complete detail in construction of the above-mentioned levee, 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) 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 levee are located and described as follows:

Location	Size	Gate		Invert - Ft.
Levee	of	Loca-	Other Structure Description	below
Mileage	Pipe	tion		crow

Right Bank Sacramento River - Miles Downstream from Sutter Slough

0.1	10"	-	Pump R.S.	3.8
0.5	12"	-	Pump R.S.	6.0
0.9	2-10"	-	Abandoned - plugged with grout:	13.9
1.1	14"	L.S.	Pump R.S.	4.2
1.3	10"	-	Abandoned - plugged with grout:	11.9
1.4	7"	R.S.	Pump R.S.	4.6

Right Bank Steamboat Slough - Miles Downstream from Sacramento River

0.1	10"	L.S.	Pump L.S.	10.9
0.1	3"	-	Siphon	3.3
0.6	6"	-	Pump R.S.	2.5
0.8	8"	L.S.	Pump L.S.	13.7
1.1	12"	-	Pump R.S.	4.0
1.1	3"	-	Siphon	2.3
1.5	8"	R.S.	Pump R.S.	3.7
1.7	8"	L.S.	Pump R.S.	4.7
1.8	8"	-	Abandoned	7.7
1.9	10"	R.S.	Pump R.S.	3.9
2.3	12"	-	Pump R.S.	4.0
2.5	12"	-	Pump R.S.	4.0
3.1	6"	-	Siphon	1.5
3.2	8"	-	-	3.7
3.5	6"	R.S.	Pump R.S.	4.5
4.0	10"	L.S.	Pump R.S.	5.8

Left Bank Sutter Slough - Miles Upstream from Steamboat Slough

0.8	8"	L.S.	Pump L.S.	2.7
1.2	6"	-	-	4.5
1.6	18"	-	-	9.5
1.6	24"	-	-	10.0
1.8	12"	R.S.	Pump R.S.	7.0
2.1	8"	L.S.	Pump L.S.	6.7
2.5	3"	R.S.	Pump R.S.	10.3
2.5	12"	-	Pump R.S.	6.0
2.7	10"	R.S.	Pump R.S.	8.3
2.9	8"	R.S.	Pump R.S.	3.7
3.5	10"	-	Pump R.S.	5.8
4.2	10"	L.S.	Pump L.S.	3.8
4.8	10"	R.S.	Pump R.S.	2.8
5.1	6"	L.S.	Pump L.S.	4.5
5.5	12"	-	Pump R.S.	7.0
5.6	4"	L.S.	Pump L.S.	3.3
5.9	10"	-	Pump L.S.	3.8

Note on abbreviations:

L.S. = Landside

R.S. = Riverside

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) 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. Channel.

a. Description. The floodway of the Sacramento River, Sutter Slough and Steamboat Slough is confined between levees along both banks. The project capacities of the respective channels are as indicated in paragraph 1-02 of this manual.

Since the channels of the Sacramento River and Steamboat Slough are utilized for navigable purposes, the responsibility for inspection, maintenance and operation of the channels shall be limited to flood control.

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) 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 Superintendent to maintain a patrol of the project works during all periods of flood in excess of a reading of 17.0 on the gage located on the left bank of the Sacramento River one-quarter mile upstream from the head of Snodgrass Slough as indicated in paragraph 1-05 of this manual. The Superintendent shall dispatch a message by the most suitable means to the District Engineer whenever the water surface in the Sacramento River reaches the gage reading indicated above and record the time of observations. One copy of the readings shall be forwarded to the District Engineer immediately following the flood, and a second copy transmitted as an inclosure to the semi-annual report in compliance with paragraph 3-05 of the Standard Manual

2-04. Miscellaneous Facilities.

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

(1) Bridges.

- (a) A bridge crossing Elkhorn Slough near its junction with Sutter Slough.
- (b) A bridge crossing Sutter Slough at the head of Sutter Slough.
- (c) A bridge crossing the Sacramento River (State Highway No. 24) leading to Courtland.
- (d) A bridge crossing Steamboat Slough at the head of Steamboat Slough.

(2) Utility Relocations. Because of the nature of the construction of the levees by local interests, no records of any utility relocations are available.

(3) Hydrographic Facilities. A continuous water stage recorder and staff gage located on the left bank of the Sacramento River one-quarter mile upstream from the head of Snodgrass Slough. This gage to be maintained by the State Department of Water Resources.

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) Check Lists - paragraph 7-03 of the Standard Manual.
- (3) Operation - paragraph 7-04 of the Standard Manual.

2-05. Environment Protection.

a. Vegetation preserved as a part of selective clearing on the waterside berm or slope above the bank protection during prosecution of the contract shall not be removed as a part of normal maintenance. Dead trees with wildlife value will be retained except where they constitute a hazard to existing flood control works. *

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 interests to repair, the Superintendent will contact a representative of the Department of Water Resources, State of California, who coordinates maintenance of project works of the Sacramento River Flood Control Project. The State representative will give assistance or advice, 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, revised May 1955, where the subject is fully covered.

EXHIBIT A
FLOOD CONTROL REGULATIONS
(See Standard Manual)

EXHIBIT A
Unattached

EXHIBIT B

“AS CONSTRUCTED” DRAWINGS

See separate folder for the following drawings:

<u>File No.</u>	<u>Title</u>	
50-4-1839	Bank Protection on Sutter Island	1 Sheet
6-4-1598	Bank Protection at Mile 33.6R	1 Sheet
50-4-2716	Levee Setback and Bank Protection along Sutter Slough – Left Bank	1 Sheet
50-4-2757	Bank Protection	1 Sheet
50-4-3009	Levee Strengthening and Bank Protection on Sacramento River at Sutter Island	4 Sheets
50-4-3042	Bank Protection along Sutter and Steamboat Sloughs on Sutter Island	22 Sheets
50-1-3314	Relief Wells on Lower End of Sutter Island	1 Sheet
50-4-3741	Stone protection at various locations between Sacramento and Rio Vista.	13 Sheets
50-4-4006	Bank Protection, Right and Left Banks Sutter Slough and Left Bank Miner Slough (Unit No. 9).	23 Sheets
50-4-4008	Bank Protection, Right and Left Banks Steamboat Slough from Sacramento River to Cache Slough.	41 Sheets
50-4-4768	Bank Protection, Various Locations on Sutter, Steamboat, Miner and Georgiana Sloughs.	33 Sheets
50-4-4898	Bank Protection, Various Locations, Right and Left Banks, Sacramento River Between Mile 12.0 and Mile 58.0.	43 Sheets
50-4-5164	Bank Protection, Various Locations, Right and Left Banks, Miner, Sutter and Steamboat Slough.	22 Sheets
50-4-5541	Bank Protection, Various Locations, Right and Left Banks, Miner, Sutter, Steamboat and Elk Sloughs.	

50-4-5697	Bank Protection, Unit 37, Right and Left Banks, Sacramento River Mile 0.0 to 62.0 and Tributaries.	55 Sheets
50-4-5777	Bank Protection, Contract 41A, Right and Left Banks, River Mile 15.0 to Mile 30.0 and Tributaries.	59 Sheets
50-4-5784	Bank Protection, Contract 42, Right and Left Banks, Sacramento River Mile 7.8 to Mile 56.0 and Tributaries.	75 Sheets
50-4-6030	Sacramento River, Steamboat Slough and Sutter Slough RD 349 Phase III. Levee Restoration Spec. No. 9880E, Sacramento County, California.	3 Sheets
50-13-4037	Bank Protection, Pilot Maintenance Study, Right Bank Steamboat Slough, 0.25 Mile Downstream from Head of Steamboat Slough.	1 Sheet

EXHIBIT C

PLATES OF SUGGESTED FLOOD FIGHTING METHODS

(See Standard Manual)

EXHIBIT C
Unattached

EXHIBIT D
CHECK LIST NO. 1
LEVEE INSPECTION REPORT
(See Standard Manual)

EXHIBIT D
Unattached

EXHIBIT E

**CHECK LISTS OF LEVEES,
CHANNEL AND STRUCTURES**

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

CHECK LIST NO. 2

UNIT NO. 10

SUTTER ISLAND LEVEES

Inspector's Report Sheet No. _____

Inspector _____

Date _____

Superintendent _____

Item	Remarks
(a) Location by Station	
(b) Settlement, sloughing, or loss of grade	
(c) Erosion of back slope	
(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 gullying of the section has occurred.
- Item (c) If sufficient erosion or gullying 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.

CHECK LIST NO. 3

CHANNEL AND RIGHT-OF-WAY

UNIT NO. 110

SUTTER ISLAND LEVEES

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 aggradation or degradation	
(f) Condition of 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.

CHECK LIST NO. 4
DRAINAGE AND IRRIGATION STRUCTURES
UNIT NO. 110

Inspector's Report Sheet No. _____ Inspector _____

Date _____ Superintendent _____

(a)	(b)	(c)	Damage or Settlement of Pipe or Conduit	Condition of Concrete Headwall or Invert Paving	Condition of Right-of-way Adjacent to Structure	Repair Measures Taken Since Last Inspection	Comments
0.1	Right Bank Sacramento River						
0.5	Right						
0.9	"						
1.1	"						
1.3	"						
1.4	"						
0.1	Right Bank Steamboat Slough						
0.1	Right						
0.6	"						
0.8	"						
1.1	"						
1.1	"						
1.5	"						
1.7	"						
1.8	"						
1.9	"						

CHECK LIST NO. 4
DRAINAGE AND IRRIGATION STRUCTURES
UNIT NO. 110

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
2.5	Right						<u>Right Bank Steamboat Slough - Miles Downstream from Sacramento River, Cont.</u>
3.1	"						
3.2	"						
3.5	"						
4.0	"						
0.8	Left						
1.2	"						
1.6	"						
1.6	"						
1.8	"						
2.1	"						<u>Left Bank Sutter Slough - Miles Upstream from Steamboat Slough</u>
2.5	"						
2.5	"						
2.7	"						
2.9	"						
3.5	"						
4.2	"						
4.8	"						

CHECK LIST NO. 4
DRAINAGE AND IRRIGATION STRUCTURES
UNIT NO. 110

Inspector's Report Sheet No. _____ Inspector _____

Date _____ Superintendent _____

Location by Levee Mileage	5.1 5.5 5.6 5.9	
Bank	left left " " " "	
Debris or Other Obstruction to Flow		
Damage or Settlement Of Pipe or Conduit		
Condition of Concrete Headwall or Invert Paving		
Condition of Right-of-way Adjacent to Structure		
Repair Measures Taken Since Last Inspection		
Comments		

left Bank Sutter Slough - Miles Upstream from Steamboat Slough. Cont.

Instructions for Completing Sheets 6, 7, & 8, Exhibit E
(To be printed on back of Sheet 6, 7, and 8)

- (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 over flow 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

**LETTERS OF TRANSFER TO
THE STATE RECLAMATION BOARD**

EXHIBIT F



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

NOV 29 2016

Ms. Leslie M. Gallagher
Executive Officer
Central Valley Flood Protection Board
3310 El Camino Avenue, Room 151
Sacramento, CA 95821

Dear Ms. Gallagher:

The purpose of this letter is to notify the Central Valley Flood Protection Board of the completion of an effort to update the Operation and Maintenance Manual Supplements for the Sacramento River Flood Control Project and the Lower San Joaquin River Levees and Lower San Joaquin River and Tributaries Project. These updates are a compilation of revisions made to the project over time and where we had record of a transfer letter to the Board. These updated supplements are the most current version and should be utilized as the baseline version for any future project modifications.

This process and the compiled updates have been coordinated with the Central Valley Flood Protection Board and Department of Water Resources staffs for review and comment. All comments have been addressed or incorporated into the manuals.

The Board staff has been provided a copy of the manuals in electronic format. Future updates will include entire unit supplements so updates can be seen in context with the entire unit supplement. The list of completed supplements, by the unit number and title, are attached. If you have any questions regarding this transmittal, please contact Gary Kamei at 916-557-6845.

Sincerely,

A handwritten signature in black ink, appearing to read "D. G. Ray", written over a horizontal line.

David G. Ray, P.E.
Colonel, U.S. Army
District Commander

Enclosures

Standard O&M Manual Sacramento River Flood Control Project	
Unit No.	Project Name
101	RD 341 Sherman Island
102	E. Levee of Sac River, Isleton to Threemile Slough & N. Levee of Threemile Slough from Sac River to SJ River
103	Both Levees of Georgiana Slough & E. Levee of Sac River from Walnut Grove to Isleton
104	Levees around Grand Island
105	Levees Around Reyer Island
106	S. Levee Lindsey Slough & W. Levee of Yolo BP from Lindsey Slough to Watson Hollow and N. Levee of Watson Hollow Drain
107	Levees Around Hastings Tract
108	Levees Around Peters Tract
109	West Levee of Yolo Bypass & E. Levee of Cache Slough
110	Levees Around Sutter Island
111	E. Levee of Sac River from Freeport to Walnut Grove
112	Levees Around Merritt Island
113	E. Levee Yolo Bypass, N. Levee Miner Slough, W. Levees Sutter Slough, Elkhorn Slough & Sac River, All Bordering RD 999
114	W. Levee of Sac River from Northern Boundary of RD 765 to Southern Boundary of RD 307
115	E. Levee of Sac River from Sutterville Rd to Northern Boundary of RD 744
116	W. Levee of Sac River from Sac Weir to Mi 51.2 & S. Levee of Sac Bypass & E. Levee of Yolo Bypass from Sac Bypass to Southern Boundary of RD 900
117	E. Levee Sac River through City of Sac from Tower Bridge to Sutterville Rd
118.1	E. Levee of Sac River from American River to Tower Bridge & S. Levee of American River from Mayhews Downstream to Sac River
118.2	N. Levee American River, E. Levee Natomas Canal, Both Levees Arcade Creek, S. Levee Linda Creek, & Magpie Creek Diversion Channel
118.2 Sup	Vegetation on Mitigation Sites E. Levee of Sac River from American River to Tower Bridge & S. Levee of American River from Mayhews Downstream to Sac River
119	Putah Creek Channel & Levees & W. Levee of Yolo Bypass from Yolo Causeway Downstream 3 mi. Includes O&M manual for the Yolo Basin wetlands, and South Fork Putah Creek Preserve Restoration Section 1135 Authorization.
120	Relocated Willow Slough Channel & Levees & W. Levee Yolo Bypass from mouth of Relocated Willow Slough to Yolo Causeway
121	R. Levee of Yolo Bypass from Willow Slough Bypass to Woodland Rd RD2035
122.1	W. Levee of Sac River from Mi 70.8 to Sac Weir & N. Levee of Sac Bypass & E. Levee of Yolo Bypass from Woodland Hwy to Sac Bypass
123	W. Levee of Sac River from East End of Fremont Weir to Mi 70.8 & E. Levee of Yolo Bypass from East End Fremont Weir to Woodland Hwy RD 1600

124	N. Levee of American River from Natomas E. Canal to Sac River & E. Levee of Sac River from Natomas Cross Canal to American River. Includes supplement, Vegetation on Mitigation Sites.
125	Back Levee of RD 1000
126	Cache Creek Levees & Settling Basin Yolo Bypass to High Ground
127	Knights Landing Ridge Cut & Sac River & Yolo BP Levees of RD's 730 and 819 & S. Levee of Sycamore Slough
128	E. Levee of Sac River from Sutter Bypass to Tisdale Weir all within RD 1500
129	S. Levee of Tisdale By-Pass from E. Levee Sac River to W. Levee Sutter BP & W. Levee of Sutter BP Downstream to E. Levee of Sac River
130	W. Levee Sac River from Sycamore Slough to Wilkins Slough (Mi. 89.9 to Mi. 117.8)
131	W. Levee Sac River from Wilkins Slough to Colusa (Mi. 117.8 to Mi. 143.5)
132	Back Levees of RD 108
133	E. Levee of Sac River from Winship School to Tisdale BP & N. Levee of Tisdale BP & W. Levee of Sutter BP from Long Bridge to Tisdale BP
134	Levees of RD 70, E. Levee of Sac River from Butte Slough Outfall Gates to Winship School & W. Levee of Sutter BP from Butte Slough Outfall Gates to Long Bridge
135	E. Levee of Sutter BP from Sutter Buttes Southerly to Junction with Feather River & E. & W. Levees of Wadsworth Canal & Levee of Intercepting Canals
136	E. Levee of Sac River from Butte Slough Outfall Gates to the Princeton-Afton Rd (Mi. 138.3 to Mi. 164.4)
137	W. Levee of Sac River from North End of Princeton Warehouse to Colusa Bridge
138	E. Levee of Sac River from Parrott-Grant Line to Princeton-Afton Rd
139	W. Levee of Sac River from N. Boundary of LD 2 to North End of Princeton Warehouse
140	W. Levee of Sac River in LD 1 (Mi. 170.5 to Mi. 184.7). Includes mitigation site O&M manual, Yuba County
141.1	E. Levee of Feather River from Bear River to Natomas CC & S. Levee of Bear River & Both Levees of Yankee Slough. Parts 1 and 2
141.2	E. Levee of Feather River from Bear River to Natomas CC & S. Levee of Bear River & Both Levees of Yankee Slough. Parts 1 and 2
142	Back Levee of RD 1001
143	W. Levee of Feather River from North Boundary of RD 823 to E. Levee of Sutter Bypass
144	W. Levee of Feather River from North Boundary of LD 1 to North Boundary of RD 823
145	E. Levee of Feather River, S. Levee of Yuba River, Both Levees of WPRR Intercepting Channel, W. Levee of South Dry Creek & N. Levee of Bear River
146	N. Levee of Bear River & S. Levee of South Dry Creek RD 817 & Vicinity of Wheatland
147	Levee Around the City of Marysville & N. Levee of Yuba River to a Point 1.8 Mi. Upstream from Marysville

148	W. Levee of Feather River from North Boundary of RD 777 to North Boundary of LD 1
149	S. Levee of Yuba River Maintenance Area No. 8
151	E. Levee Feather River from Honcut Creek to Marysville & S. Levee of Honcut Creek & E. Levee of RD 10
152	W. Levee of Feather River from N. Boundary of RD 777 to Western Canal Intake (Levee of Drainage District No. 1)
153	Lower Butte Creek Channel Improvement, Colusa, Glenn & Butte Counties
154	Moulton Weir & Training Levee Sacramento River
155	Colusa Weir & Training Levee Sacramento River
156	Tisdale Weir & Bypass
157	Fremont Weir, Sacramento River
158	Sacramento Weir, Sacramento River
159	Pumping Plants No. 1, 2 & 3, Sutter Bypass
160	Sutter Butte Canal Headgate
161	Butte Slough Outfall Gates
162	Knights Landing Outfall Gates, Sacramento River

Standard O&M Manual San Joaquin River

Unit No.	Project Name
1	Right Bank Levee of the San Joaquin River & French Camp Slough within RD 404
2	Right Bank Levee of the San Joaquin River & French Camp Slough within RD 17
3	North Levee of Stanislaus River & East Levee of the San Joaquin River within RD 2064, 2075, 2094 and 2096
4	East Levee of San Joaquin River within RD 2031
5	East Levee of the San Joaquin River Within RD No. 2092
6	East Levee of the San Joaquin River in RD Nos. 2063 & 2091
7	West Levee of San Joaquin River & North Levee of Old River RD Nos. 524 & 544
8	Right Banks of Old River & Salmon Slough Within RD No. 1 & RD No. 2089
9	Levees Around RD No. 2062 & San Joaquin County Flood Control District Area No.2
10	West Levee of Paradise Cut RD No. 2058 & SJ County Flood Control District, Area No.2
11	West Levee of San Joaquin River from Durham Bridge to Paradise Dam Within RD No. 2085 & 2095
12	West Levee of San Joaquin River From Opposite Mouth of Tuolumne River Downstream to Stanislaus County Line Within RD Nos. 2099, 2100, 2101, & 2102
13	West Levee of the San Joaquin River in RD No. 1602

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 Sacramento River from the bridge at L.M. 0.00 in Unit 1 to Steamboat Slough at L.M. 1.59 in Unit 1; also for the purpose of transferring the west levee of Steamboat Slough from the Sacramento River at L.M. 0.00 in Unit 2 to Sutter Slough at L.M. 4.35; and for the purpose of transferring the east levee of Sutter Slough to its terminus at the Sacramento River at L.M. 6.55, all in RD 349, to the State of California for operation and maintenance.

The work consisted of restoring the following sites damaged by the January 1997 Flood by installing levee rockfill placed over geotextile:

Unit 1, West Levee Sacramento River, L.M. 0.19-0.22, L.M. 0.87-0.88, and L.M. 0.97-1.01.

Unit 2, West Levee Steamboat Slough, L.M. 0.28, L.M. 1.24-1.49, L.M. 2.12, L.M. 2.24-2.28, L.M. 3.01-3.04, and L.M. 3.82-3.92.

Unit 3, East Levee Sutter Slough, L.M. 4.62-4.72.

The work as listed in the enclosure was completed on October 11, 1997 in accordance with Specification No. 9858E, Drawing File No. 50-04-6031, Contract No. DACW05-97-C-0121.

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 Sacramento River Flood Control System, Steamboat Slough, and Sutter Slough in RD 349. 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 110

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

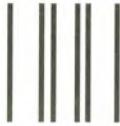
Sincerely,

Michael J. Walsh
Colonel, Corps of Engineers
District Engineer

Enclosure

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

UNITED STATES POSTAL SERVICE



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COMMANDER
U.S. ARMY CORPS OF ENGINEERS DISTRICT, SACRAMENTO
CORPS OF ENGINEERS
1325 J STREET
SACRAMENTO, CA 95814-2922

RD 349

JM
MINTON/dd

mt
TAVANA

SA
SANDNER

W
WINTON

KA
DURHAM-AGUILERA

DO
DOYLE

for
KORMAN

CH
CHARLTON

O'BRIEN

Walsh
WALSH

Un 710

McB

November 16, 1989

Navigation and Flood Control Unit

The Reclamation Board
State of California
1416 - 9th Street, Room 455-6
Sacramento, California 95814

not

Members of the Board:

This is in regard to the joint inspections of November 8 & 9, 1989, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 42) to the State of California for operation and maintenance. The flood control work consists of bank sloping, placement of stone protection and miscellaneous work on the Sacramento River right bank at Site Miles 23.6, 26.7, 42.7, 43.5, 56.5 and 56.7 and left bank at Site Miles 20.2, 33.3 and 36.1; Georgiana Slough right bank at Site Miles 7.9 and 8.1 and left bank at Site Miles 4.8 and 11.7; Steamboat Slough right bank at Site Mile 22.1 and left bank at Site Miles 19.8, 23.2 and 25.9, and Sutter Slough left bank at Site Mile 22.2.

The sites were completed on November 8, 1989, in accordance with Contract Number DACW05-89-C-0037, Specification Number 8259 and Drawing Number 50-4-5784.

11-14-89
ROMPALA/mt

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-645, July 14, 1960), Section 2304(a), Title 10, and the Water Resources Development Act of 1986 (PL 99-662, October 17, 1986), and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous thereto is transferred as of November 9, 1989 to the State of California for operation and maintenance.

in for
KELLY
A. SMITH
[Signature]
HEIN

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 103, 104, 110, 111, 113, 114 and 116, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

FAST

- cc: ~~D-O Div~~; ~~Fld Cntrl Unit~~;
- ~~Central Valley Sec~~; ~~Prog Dev~~;
- ~~F&A Br~~; ~~Valley Res ofc~~; ~~Reading~~

Sincerely,

Jack A. Le Cuyer
Colonel, Corps of Engineers
District Engineer

DENNIS

MASON

[Signature]
Le CUYER

DWR, ATTN: G. Snow; DWR, ATTN: G. Qualley; Cdr, SPD, ATTN: CESP-D-0;
Cdr, USACE, ATTN: DAEN-CECW-OM

PC#LTRUNIT42

2



Units 103, 104, 110, 111, 113, 114, 116

C

September 29, 1988

Navigation and Flood Control Unit

The Reclamation Board
State of California
1416 - 9th Street, Room 455-6
Sacramento, California 95814

msj

Members of the Board:

This is in regard to the joint inspection of September 7, 1988, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 41A), to the State of California for operation and maintenance. The flood control work consists of bank sloping and placement of stone protection on Sutter Slough right bank at Site Mile 22.5; Steamboat Slough right bank at Site Miles 21.1 and 22.9 and Sacramento River right bank at Site Mile 23.2 and left bank at Site Miles 19.2 and 19.7.

The sites were completed on August 12, 1988, in accordance with Contract Number DACW05-87-C-0079, Specification Number 8054 and Drawing Number 50-4-5777.

9-28
BOMPALA/mt

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-645, July 14, 1960), and Section 2304(a), Title 10, and the Water Resources Development Act of 1986 (PL 99-662, October 17, 1986), and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous, thereto, is transferred as of September 29, 1988 to the State of California for operation and maintenance.

ck
KELLY

AS
A. SMITH

HEIM

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 103, 104, 105 and 110, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

FAST

DENNIS

Sincerely,

Jack A. Le Cuyer
Colonel, Corps of Engineers
District Engineer

MASON
CZARZASTY

LE
LE CUYER

Copies Furnished:

- DWR, ATTN: G. Snow
- DWR, ATTN: G. Qualley
- ✓Commander, South Pacific Division, ATTN: CESP-D-0
- ✓Commander, USACE, ATTN: DAEN-CECW-OM
- cc:

- Flood Control Unit
- ✓Civ Des Sec D (Pahl)
- ✓Prog Dev
- ✓F&A Br
- ✓Valley Res Ofc
- ✓C-O Div
- ✓Reading

Units 103, 104, 105, 110

WANG #0794a

J. J.



CERTIFIED MAIL RETURN RECEIPT REQUESTED



January 13, 1988

Navigation and Flood Control Unit

The Reclamation Board
State of California
1416 - 9th Street, Room 435-B
Sacramento, California 95814

not

Members of the Board:

This is in regard to the joint inspection of January 12, 1988, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 41A), to the State of California for operation and maintenance. The flood control work consists of bank sloping and placement of stone protection on Butter Slough right bank at Site Miles 25.5, 26.0 and 27.3 and left bank at Site Miles 22.9, 23.0, 23.4, and 28.0 and Miner Slough right bank at Site Mile 6.6 and left bank at Site Mile 1.2.

The sites were completed on December 24, 1987, in accordance with Contract Number DACW05-87-C-0079, Specification Number 8034 and Drawing Number 50-4-5777.

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-545, July 14, 1960), and Section 2304(a), Title 10, and the Water Resources Development Act of 1986 (PL 99-662, October 17, 1986), and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous, thereto, is transferred as of January 12, 1988 to the State of California for operation and maintenance.

Ch 1-13
ROMPALA/sm

[Signature]
KELLY

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 105, 110 and 113, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

[Signature]
A. SMITH

- cc:
- Flood Control Unit
- Civ Des Sec D (Pahl)
- Prog Dev
- F&A Br
- Valley Res Ofc
- C-O Div
- Reading

Sincerely,

[Signature]
HELM



Wayne J. Scholl
Colonel, Corps of Engineers
District Engineer

[Signature]
FAST

[Signature]
DENNIS

Copies Furnished:

- DWR, ATTN: G. Snow
- DWR, ATTN: G. Qualley
- Commander, South Pacific Division, ATTN: CESPD-0
- Commander, USACE, ATTN: DAEN-CECW-OM

[Signature]
20 Jan
CZARZASTY

Units 105, 110, 113

SCHOLL

WANG #9029

DEPARTMENT OF WATER RESOURCES
THE RECLAMATION BOARD1416 - 9th Street, Room 455-6
Sacramento, CA 95814
(916) 445-9454

MAR 18 1986

Colonel Wayne J. Scholl
District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814

Dear Colonel Scholl:

Reference is made to your letter of December 13, 1985 concerning the transfer of a portion of the Sacramento River Bank Protection Project in Contract No. 37 to the State of California for operation and maintenance.

The flood control work consisted of selective clearing, bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at the following sites.

SACRAMENTO RIVER

Left Bank: Sites Miles 8.5, 10.4, 17.9, 19.1, 20.5, 21.4, 21.6, 23.4, 24.1, 36.0, 36.2, and 40.0

Right Bank: Sites Miles 15.9, 16.0, 17.6, 18.2, 27.2, 27.6, 31.0, 33.5, 34.6, 43.9, 44.9, and 45.2

STEAMBOAT SLOUGH

Left Bank: Site Mile 25.3

Right Bank: Sites Miles 15.9, 16.0, 16.8, 17.1, 19.8, and 25.3

SUTTER SLOUGH

Right Bank: Site Mile 22.0

GEORGIANA SLOUGH

Left Bank: Site Mile 12.1

*Amis 101, 102, 103, 104,
105, 110, 111, 112, 114*

Colonel Wayne J. Scholl
Page 2

MAR 18 1986

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-5697, Specification No. 7014, and Contract No. DACW 05-84-C-0104, insofar as could be determined visually.

The Reclamation Board, at its regular meetings of December 20, 1985, and January 17, 1986, formally accepted the completed work on the above-referenced sites from the District Engineer for operation and maintenance, with the exception of Site Mile 16.0, Right Bank, Sacramento River.

A joint inspection was made on December 5, 1985 which included Site Mile 16.0. During this inspection, several large slumps in the rock revetment were observed. It was agreed that the slumps in the rock revetment would be repaired in conjunction with deficiencies noted at various other sites. For some reason, your contractor overlooked the repairs required at this site.

Mr. Sterling Olsen of the Valley Resident's Office has indicated that this site will be repaired in the spring of 1986. When this site has been repaired, we will be pleased to accept it for operation and maintenance.

If you have any questions concerning the above, please contact me at (916) 445-9454 or Mr. Richard Goodnight at (916) 445-9335.

Sincerely,



RAYMOND E. BARSCH
General Manager

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

cc: Mr. Ralph Cameron
Resident Engineer
Valley Resident's Office
U. S. Army Corps of Engineers
P. O. Box 935
West Sacramento, CA 95691

*Units 101, 102, 103, 104,
105, 110, 111, 112, 114*

December 13, 1985

Navigation and Flood Control Unit

not

The Reclamation Board
State of California
1416 - 9th Street, Room 455-6
Sacramento, California 95814

Members of the Board:

This is in regard to the joint inspections of December 20, 1984, November 26, 1985 and December 6, 1985 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 37), to the State of California for Operation and Maintenance. The flood control work consists of bank sloping and placement of stone protection on the Sacramento River right bank at Site Miles 15.9, 16.0, 17.6, 18.2, 27.2, 27.6, 31.0, 33.5, 34.6, 43.9, 44.9 and 45.2 and left bank at Site Miles 8.5, 10.4, 17.9, 19.1, 20.5, 21.4, 21.6, 23.4, 24.1, 36.0, 36.2 and 40.0; Steamboat Slough right bank at Site Miles 15.9, 16.0, 16.8, 17.1, 19.8 and 25.3 and left bank at Site Mile 25.3; Sutter Slough right bank at Site Mile 22.0; and Georgiana Slough left bank at Site Mile 12.1.

The sites were completed during the past construction season in accordance with Contract Number DACW05-84-C-0104, Specification Number 7014 and Drawing Number 50-4-5697.

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-645, July 14, 1960), and Section 2304(a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous, thereto, is transferred as of December 13, 1985 to the State of California for operation and maintenance.

*Units 101, 102, 103,
104, 105, 110, 111, 112, 114*



-2-

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 101, 102, 103, 104, 105, 110, 111, 112 and 114, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

Sincerely,

Wayne J. Scholl
Colonel, Corps of Engineers
District Engineer

12-13
ROMPALA/mg

REC
KELLY

Copies Furnished:

DWR, ATTN: G. Snow
DWR, ATTN: J. Angel
Commander, South Pacific Division, ATTN: SPDCO-0
Commander, USACE, ATTN: DAEN-CWO-0

A. SMITH

cc:
Flood Control Unit
Engr Div
Civ Des Sec D (Pahl)
Prog Dev
F&A Br
Valley Res Ofc
C-0 Div
Reading

HEP
FAST

DEWIS

WILLIAM

Reclamation Board

Rompala N&F.C.U.

<p>SENDER: Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.</p> <p>(CONSULT POSTMASTER FOR FEES)</p> <p>The following service is requested (check one).</p> <p><input type="checkbox"/> Show to whom and date delivered</p> <p><input type="checkbox"/> Show to whom, date, and address of delivery</p> <p><input type="checkbox"/> RESTRICTED DELIVERY</p> <p><small>(The restricted delivery fee is charged in addition to the return receipt fee.)</small></p>		<p>TOTAL \$</p>	
<p>3. ARTICLE ADDRESSED TO: State of California 1416 - 9th Street, Rm 455-6 Sacramento, California</p>		<p>ARTICLE NUMBER 783773</p>	
<p>4. TYPE OF SERVICE: <input type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED <input type="checkbox"/> EXPRESS MAIL</p>		<p>INSURED <input type="checkbox"/> COD <input type="checkbox"/></p>	
<p>I have received the article described above.</p>			
<p>SIGNATURE <i>R. L. Manning</i></p>		<p>Address <input type="checkbox"/> Authorized agent <input type="checkbox"/></p>	
<p>5. DATE OF DELIVERY DEC 17 1983</p>		<p>POSTMARK (may be on reverse side)</p>	
<p>6. ADDRESSEE'S ADDRESS (Only if requested)</p>		<p>7a. EMPLOYEE'S INITIALS</p>	
<p>7. UNABLE TO DELIVER BECAUSE:</p>			

SCHOLL

12/14
WANG #2977a

Units
101, 102, 103, 104,
105, 110, 111, 112, 114

* GPO: 1982-370-593

**DEPARTMENT OF WATER RESOURCES
THE RECLAMATION BOARD**

1416 - 9th Street, Room 335-18
Sacramento, CA 95814
(916) 445-9454



DEC 21 1982

Colonel Arthur E. Williams
District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814

Dear Colonel Williams:

Reference is made to your letters of November 16 and 30, 1982, concerning the transfer to the State of California for operation and maintenance, a portion of the Sacramento River Bank Protection Project, in Unit No. 36.

The flood control work consisted of selective clearing, bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at the following sites:

Sites Miles 22.4 and 23.8, Left Bank, Steamboat Slough.

Sites Miles 19.2, 21.2, 22.3, and 25.7, Right Bank, Steamboat Slough.

Site Mile 21.9, Left Bank, Sutter Slough.

Sites Miles 21.9 and 27.8, Right Bank, Sutter Slough.

Sites Miles 6.9 and 7.2, Right Bank, Miner Slough.

Sites Miles 4.5, 5.1, and 7.6, Left Bank, Miner Slough.

Site Mile 2.1, Left Bank, Elk Slough.

The work was constructed in a workmanlike manner and in conformance with File No. 50-4-5541, Specification No. 5747, and Contract No. DACW 05-80-C-0113, insofar as could be determined visually.

Units 105/110



Colonel Arthur E. Williams

Page 2

DEC 21 1982

The Reclamation Board at its regular meeting of December 17, 1982, formally accepted from the District Engineer, for operation and maintenance, the completed work on the above-referenced sites.

Sincerely,



ELDON E. RINEHART
General Manager

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Units 105,110

**DEPARTMENT OF WATER RESOURCES
THE RECLAMATION BOARD**

1416 - 9th Street, Room 335-18
Sacramento, CA 95814
(916) 445-9454



DEC 1 1982

Colonel Arthur E. Williams
District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814

Dear Colonel Williams:

Reference is made to your letters of November 16, 1982, concerning the transfer to the State of California for operation and maintenance, a portion of the Sacramento River Bank Protection Project, in Unit No. 36.

The flood control work consisted of selective clearing, bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at the following sites:

Sites Miles 17.4, 17.8, 20.6, and 25.6, Left Bank, Steamboat Slough.

Sites Miles 17.2, 20.1, 22.9, 24.6, 25.4, and 25.5, Right Bank, Steamboat Slough.

Sites Miles 24.4, 24.6, 25.9, 26.9, 27.6, and 28.0, Left Bank, Sutter Slough.

Sites Miles 22.3, 23.1, 23.4, 23.6, 24.2, 24.8, and 25.0, Right Bank, Sutter Slough.

The work was constructed in a workmanlike manner and in conformance with File No. 50-4-5541, Specification No. 5747, and Contract No. DACW 05-80-C-0113, insofar as could be determined visually.

Unit 110



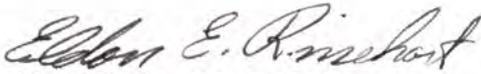
Colonel Arthur E. Williams

Page 2

DEC 1 1982

The Reclamation Board at its regular meeting of November 19, 1982, formally accepted from the District Engineer, for operation and maintenance, the completed work on the above-referenced sites.

Sincerely,



ELDON E. RINEHART
General Manager

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Unit 110



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
SACRAMENTO DISTRICT, CORPS OF ENGINEERS
650 CAPITOL MALL
SACRAMENTO, CALIFORNIA 95814

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30 November 1982

SPKCO-0

The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, California 95814

Gentlemen:

This is in regard to the joint inspections of 4 and 15 November 1982 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 36), to the State of California for Operation and Maintenance. The flood control work consists of levee bank sloping and placement of stone protection on Steamboat Slough right bank at Site Miles 19.2, 21.2 and 25.7. The sites were completed during the past construction season in accordance with Contract No. DACW05-80-C-0113, Specification No. 5747 and Drawing No. 50-4-5541.

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-645, 14 July 1960), and Section 2304(a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous, thereto, is transferred as of 29 November 1982 to the State of California for operation and maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 105 and 110, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

HENRY LEE
Lieutenant Colonel, CE
Acting District Engineer

Copy furnished:
DWR, ATTN: M. Luttrupp
DWR, ATTN: D. Meixner

EXHIBIT F



C
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DEPARTMENT OF THE ARMY
SACRAMENTO DISTRICT, CORPS OF ENGINEERS
650 CAPITOL MALL
SACRAMENTO, CALIFORNIA 95814

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REPLY TO
ATTENTION OF

SPKCO-0

16 November 1982

The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, California 95814

Gentlemen:

This is in regard to the joint inspection of 4 November 1982 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 36), to the State of California for Operation and Maintenance. The flood control work consists of levee bank sloping and placement of stone protection on Steamboat Slough right bank at Site Miles 22.3, 22.9, 24.6, 25.4 and 25.5 and on Sutter Slough left bank at Site Miles 21.9, 24.4, 24.6, 25.9, 26.9, 27.6 and 28.0. The sites were completed during the past construction season in accordance with Contract No. DACW05-80-C-0113, Specification No. 5747 and Drawing No. 50-4-5541.

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-645, 14 July 1960), and Section 2304(a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous, thereto, is transferred as of 4 November 1982 to the State of California for operation and maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement No. 110, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

HENRY LEE
Lieutenant Colonel, CE
Acting District Engineer

Copy furnished:
DWR, ATTN: M. Luttrupp
DWR, ATTN: D. Meixner

EXHIBIT F



C
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DEPARTMENT OF THE ARMY
SACRAMENTO DISTRICT, CORPS OF ENGINEERS
650 CAPITOL MALL
SACRAMENTO, CALIFORNIA 95814

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REPLY TO
ATTENTION OF SPKCO-0

19 January 1981

The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, California 95814

Gentlemen:

This is in regard to the joint inspection of 15 January 1981 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 36), to the State of California for Operation and Maintenance. The flood control work consists of levee bank sloping and placement of stone protection on Steamboat Slough right bank at Site Miles 25.8 and 26.0. The sites described in the inclosure were completed on 15 January 1981 in accordance with Contract No. DACW05-80-C-0113, Specification No. 5747 and Drawing No. 50-4-5541.

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-645, 14 July 1960), and Section 2304(a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous, thereto, is transferred as of 15 January 1981 to the State of California for operations and maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement No. 110, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

1 Incl
1. Summary Sac Rv Bk
Prot Proj Unit 36

PAUL F. KAVANAUGH
Colonel, CE
District Engineer

Copy furnished:
DWR, ATTN: R. Franson
DWR, ATTN: D. Meixner

EXHIBIT F

SUMMARY OF SACRAMENTO RIVER
BANK PROTECTION PROJECT
PORTION OF UNIT 36
STEAMBOAT SLOUGH

<u>SITE MILE</u>	<u>STONE PROTECTION</u>	<u>L.F.</u>
25.8 Right	26+40 to 30+41.18*	401
26.0 Right	10+00 to 18+15+	815

* = Sta. 30+41.18 = Sta. 0+00 end of work under Mile 25.8 R

+ = Extended 175'

DEPARTMENT OF WATER RESOURCES
THE RECLAMATION BOARD

1416 - 9th Street, Room 335-18
Sacramento, CA 95814
(916) 445-9454



NOV 7 1977

Colonel Donald M. O'Shei
District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814

Dear Colonel O'Shei:

At its regular meeting of October 25, 1977, The Reclamation Board formally accepted from the District Engineer the completed flood control work on a portion of Unit No. 31 of the Sacramento River Bank Protection Project. The flood control work was transferred to the State of California by your letters of October 4 and 21, 1977.

The flood control work consisted of selective clearing, levee bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Sites Miles 1.0 and 2.4 Left Bank, 6.0 and 6.5 Right Bank on Miner Slough; 22.7, 23.0, 23.7, 23.9, 24.8, 25.4 and 26.4 Left Bank, 22.6, 26.4, 27.0 and 27.9 Right Bank on Sutter Slough; and 15.7 Left Bank, 18.3, 20.9, 21.0, 23.0, 23.9 and 24.0 Right Bank on Steamboat Slough.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-5164, Specification No. 5106, and Contract No. DACW 05-77-C-0046, insofar as could be determined visually.

Sincerely,

PAUL L. CLIFTON
General Manager

CERTIFIED MAIL
RETURN RECEIPT REQUESTED



*Units 104, 105,
110, 113*

10/11/77



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DEPARTMENT OF THE ARMY
SACRAMENTO DISTRICT, CORPS OF ENGINEERS
650 CAPITOL MALL
SACRAMENTO, CALIFORNIA 95814

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REPLY TO
ATTENTION OF
SPKCO-0

4 October 1977

The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, CA 95814

Gentlemen:

This is in regard to the joint inspection of 3 October 1977, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project, (Unit No. 31), to the State of California for operation and maintenance. The flood control work consists of levee and bank sloping and placement of stone protection on the Sutter Slough left bank at Site Miles 22.7, 23.0, 23.7, 23.9, 24.8, 25.4, and 26.4 and on the Steamboat Slough right bank at Site Miles 23.0, 23.9, and 24.0 and left bank at Site Mile 15.7. The sites, as described on the inclosure, were completed on 3 October 1977 in accordance with Contract No. DACW05-77-C-0046, Specification No. 5106 and Drawing No. 50-4-5164.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL86-645, 14 July 1960), and Section 2304(a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 3 October 1977 to the State of California for operation and maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 104 and 110, Sacramento River Bank Protection Project. Copies will be furnished your office at a later date.

Sincerely yours,

1 Incl
As stated

DONALD M. O'SHEI
Colonel, CE
District Engineer

Copy furnished:
DWR, ATTN: R. Franson
R. Potter

EXHIBIT F

SUMMARY OF SACRAMENTO RIVER BANK PROTECTION PROJECT
PORTION OF UNIT 31

SUTTER SLOUGH LEFT BANK

<u>SITE MILE</u>	<u>STONE PROTECTION</u>	<u>L.F.</u>
22.7	64+50 to 78+00	1350
23.0	46+00 to 50+40	440
23.7 & 23.9	0+00 to 16+00	1600
24.8	-0+50 to 3+00	350
25.4	0+00 to 2+00	200
26.4	-0+25 to 3+50	375

STEAMBOAT SLOUGH RIGHT BANK

23.0	0+00 to 3+20	320
23.9	-0+50 to 2+20	270
24.0	0+00 to 2+90	290

STEAMBOAT SLOUGH LEFT BANK

15.7	6+70 to 10+50	380
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**DEPARTMENT OF WATER RESOURCES
THE RECLAMATION BOARD**

1416 - 9th Street, Room 335-18
Sacramento, CA 95814
(916) 445-9454



December 14, 1976

Colonel Donald M. O'Shei
District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814

Dear Colonel O'Shei:

The Reclamation Board at its regular meeting of December 10, 1976, formally accepted from the District Engineer the completed flood control work on a portion of Unit No. 28 of the Sacramento River Bank Protection Project. The flood control work was transferred to the State of California by your letter of December 2, 1976.

The flood control work consisted of selective clearing, bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at the following sites.

Sites Miles 12.9, 13.1, 14.9, 15.3 and 18.6 Left Bank, Sacramento River, in the Brannan Andrus Levee Maintenance District.

Sites Miles 17.3, 17.7, 18.1, 19.1 26.4, 27.0, 27.7 and 32.3 Right Bank, Sacramento River and Site Mile 24.8 Left Bank, Steamboat Slough, in Reclamation District No. 3.

Site Mile 40.4 Right Bank, Sacramento River, in Reclamation District No. 150.

Site Mile 33.1 Right Bank, Sacramento River, in Reclamation District No. 349.

Sites Miles 32.1 and 34.1 Left Bank, Sacramento River, in Reclamation District No. 551.

Sites Miles 26.7 and 27.2 Left Bank, Sacramento River, in Reclamation District No. 554.

Sites Miles 23.1, 25.1 and 26.4 Left Bank, Sacramento River, in Reclamation District No. 556.



*Units 102, 103, 104,
110, 111, 112*

*in Valley
22 Dec 76*

Colonel Donald M. O'Shei
Page 2

Sites Miles 40.3 Left Bank and 50.4 Right Bank, Sacramento River, modified irrigation facilities only.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-4898, Specification No. 4539, and Contract No. DACW 05-76-C-0015, insofar as could be determined visually.

Sincerely,



PAUL L. CLIFTON
General Manager

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Units 102, 103, 104,
110, 111, 112

SPKCC-0



The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, CA 95814

Handwritten initials

Gentlemen:

Reference is made to the joint inspections of 30 November and 1 December 1976, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit No. 28) to the State of California for operation and maintenance. This flood control work consists of bank sloping and placement of stone protection on the Sacramento River left bank at Site Miles: 12.9, 13.1, 14.9, 15.3, 18.6, 23.1, 25.1, 26.4, 26.7, 27.2, 32.1, and 34.1, and right bank at Site Miles 17.3, 17.7, 18.1, 19.1, 26.4, 27.0, 27.7, 32.3, 33.1, and 40.4; the irrigation facilities at Site Miles 40.3 left and 50.4 right and the Steamboat Slough left bank at Site Mile 24.8. The sites, as listed on the inclosure, were completed on 21 November 1976 in accordance with specification No. 4559, Contract No. DACN05-76-C-0015; Drawing No. 50-4-4598.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL. 86-545, 14 July 1960), and Section 2304(a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 2 December 1976 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, Supplement Nos. 102, 103, 104, 110, 111 and 112 Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

DONALD H. O'SHEI
Colonel, CE
District Engineer

M ROMPALA/pl
M McBRIDE
A. SMITH
HENSON
PROFASCO
CREMER
8 O'SHEI

*Copy to Kawaya
25-1-77*

*Units 102,
103, 104,
110, 111, 112*

1 Incl
As stated

Copy furnished:
DWR, ATTN: R. Franson & Robert Pottex

OCE
SPD

cc
Flood Control Unit
Valley Res Ofc
Engr Div (Levee & Chan)
(Prog Dev Br)

F&A (Kalal)

SUMMARY OF PORTION OF SACRAMENTO
RIVER BANK PROTECTION PROJECT UNIT # 28
SACRAMENTO RIVER RIGHT BANK

SITE MILE	STONE PROTECTION	L.F.
17.3	80+00 to 92+50	1250
17.7	51+50 to 57+00	550
18.1	28+00 to 37+00	900
19.1	19+70 to 31+00	1130
26.4	285+50 to 292+50	700
	295+50 to 299+50	400
27.0	257+00 to 260+70	370
	262+00 to 269+50	750
27.7	222+80 to 229+50	670
32.3	0+00 to 3+63	363
33.1	8+00 to 16+00	800
40.4	39+00 to 45+00	600

SACRAMENTO RIVER LEFT BANK

*12.9	116+50 to 129+80	1330
13.1	96+50 to 103+50	700
14.9	32+00 to 36+00	400
15.3	8+50 to 15+50	700
18.6	1+00 to 5+30	430
23.1	0+00 to 5+00 AH	500
	111+07 to 112+07 BK	100
25.1	11+00 to 24+00	1300
26.4	5+00 to 7+70	270
26.7	126+50 to 134+00	750
27.2	102+50 to 107+00	450
32.1	11+53 to 19+61	808
	69+78 to 70+00	22
34.1	73+50 to 85+00	1150

STEAMBOAT SLOUGH LEFT BANK

*24.8 *Extended	0+00 to 5+80	580
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UNITS 102, 103, 104,
110, 111, 112

C
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THE RECLAMATION BOARD
STATE OF CALIFORNIA

C
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Y

November 15, 1974

District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, California 95814

Refer to: 4130.20.111

Dear Sir:

At its regular meeting of November 8, 1974, The Reclamation Board formally accepted from the District Engineer the completed flood control work on a portion of Unit No. 25 of the Sacramento River Bank Protection Project. The flood control work was transferred to the State of California by your letter of November 5, 1974.

The flood control work consisted of selective clearing, levee bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at the following sites:

Sites Miles 23.5, 23.8, 24.2, and 24.3 Left Bank, Steamboat Slough.

Sites Miles 22.0, 22.6, 23.5, 24.6, and 25.1 Right Bank, Steamboat Slough.

Sites Miles 22.1, 23.2, 23.4, and 27.9 Left Bank, Sutter Slough.

Site Mile 15.7 Right Bank, Sacramento River.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-4786 (sic - should be 50-4-4768), Specification No. 4210, and Contract No. DACW 05-73-C-0046, insofar as could be determined visually.

Sincerely yours,

/s/ Roy L. McCuistion
for A. E. McCOLLAM
Chief Engineer and
General Manager

Flood Control

SPKCO-0

5 November 1974

The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, California 95814

done

Gentlemen:

Reference is made to the joint inspection of 29 October 1974, made for the purpose of transferring a portion of completed work in Unit No. 25, (Sacramento River Bank Protection Project), to the State of California for operation and maintenance. This flood control work consists of levee sloping and placement of stone protection at 14 sites on Stearboat Slough, Sutter Slough and the Sacramento River. The sites, as listed on the inclosure, were completed on 29 October 1974 in accordance with Specification No. 4210, Contract No. DACW05-73-G-0046, Drawing No. 50-4-4768.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304 (a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 5 November 1974 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, Unit Nos. 104 and 110 Sacramento River Flood Control project. Copies will be furnished your office at a later date.

Sincerely yours,

1 Incl
As stated

F. G. ROCKWELL, JR.
Colonel, CE
District Engineer

Copy Furnished:
DWR, ATTN: John Wright

cc: Engrg (Levees & Chan)
(Prog Dev)
Valley Res Ofc
F&A Br (Jones)

OCE
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Wait
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ITEL

Soleman
SOLEMAN

Henson
HENSON

McKinsey
MCKINSEY

Potamos
POTAMOS

Rockwell
ROCKWELL

*Units 104,
110*

Summary of Portion of Sacramento
River Bank Protection Project Unit #25

Steamboat Slough
Left Bank

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L.F.</u>
24.3	503+40 to 501+24	216
24.2	496+00 to 493+60	240
23.8	480+45 to 477+50	295
23.5	459+12 to 456+00	312

1063 *ok*

Right Bank

24.6	26+50 to 32+25	575
22.6	2+30 to 5+35	305
22.0	42+00 to 38+25	375
23.5*		295
25.1*		125

1675 *ok*

Sutter Slough
Left Bank

27.9	0+00 to 4+00	400
23.4	254+00 to 264+00	1000
23.2	270+80 to 277+00	620
22.1	331+50 to 334+00	250

2270 *ok*

Sacramento River
Right Bank

15.7*	64+00 to 69+00	500
-------	----------------	-----

Total 5508 *ok*

* Emergency Work Added by Change Order

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

Dec 23 1966
Refer to: 4130.60.105
4130.70.103
Contract No. 66-149

District Engineer
Corps of Engineers
U. S. Army
650 Capitol Mall
Sacramento, California

Dear Sir:

Reference is made to your letter of December 5, 1966 concerning transfer to the State of California of a portion of the Sacramento River Bank Protection Project, Unit No. 10, Sites Mile 24.4 and 25.0 right bank, in accordance with Specification No. 3156.

The Reclamation Board, at its meeting of December 15, 1966, formally accepted the above referred to work for operation and maintenance.

For your information, the Reclamation Board officially reassigned the Pilot Maintenance Study on the right bank of Steamboat Slough consisting of construction of low water berm and revetment to Reclamation District No. 349 for operation and maintenance. This site was originally assigned to the Department of Water Resources for operation and maintenance by Board action of November 4, 1965.

Sincerely yours,

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

EXHIBIT F

*Sacramento
Board*

5 December 1966

SPKCO-F

The Reclamation Board
State of California
1416 - 9th Street, Room 1335
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 2 December 1966, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project work to the State of California for operation and maintenance.

The flood control work consists of levee sloping and placement of bank protection work on Steamboat Slough right bank at Site Miles 24.4 and 25.0. The length of the work on the sites is 1,200 feet and 750 feet, respectively. The job was completed on 2 December 1966, in accordance with Specification NO. 3156, Contract NO. DA-04-167-CIVERG-66-149, and Drawing NO. 50-4-4008. The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session, and Section 2304(a), Title 10.

Contr 10

The flood control work as described above now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said flood control work, together with the waterway banks contiguous thereto, are transferred 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, Supplement No. 110, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

Ham
MORGAN/KO-F/pnp

[Signature]
COLEMAN/KO-F

CRAMFORD YOUNG
Colonel, CE
District Engineer

Unit 110
[Signature]
HENSON/KO

[Signature]
HARRIS/VE

Copy furnished:
Dept Water Resources

O.C.E & SPD

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

[Signature]
YOUNG/VE

cc: Engrg-Lev&Chan; Engrg-ProgDev; Valley; F&A(Cordano)

[Signature]
[Signature]

C
O
P
Y

SPKKO-F

23 November 1966

C
O
P
Y

The Reclamation Board
State of California
1416 Ninth Street, Room 1335
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 16 November 1966, made for the purpose of transferring a portion of the Sacramento River Bank Protection work, upon completion, to the State of California for operation and maintenance.

The flood control work consisting of levee enlargement, bank sloping and placement of bank protection at Sutter Slough; Site Miles 22.0, 23.6, 24.0 and 25.5, left bank and Site Miles 22.2, 23.2 and 28.1, right bank; and Miner Slough; Site Miles 1.45, 2.0, 2.7, 3.1, 3.7, 4.0, 4.7 and 5.2, left bank, as listed on the attached inclosure, was completed 16 November 1966. The work was done in accordance with Specifications No. 3155, Contract No. DA-04-167-CIVENG-66-102, Drawing No. 50-4-4006.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304(a), Title 10.

The flood control work as described in the attached inclosure now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said flood control work, together with the waterway banks contiguous thereto, are transferred 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, Supplement Nos. 105, 110 and 112. Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

/s/ Crawford Young

CRAWFORD YOUNG

Colonel, CE

District Engineer

EXHIBIT F

COPY

COPY

THE RECLAMATION BOARD
STATE OF CALIFORNIA

NOV. 16, 1965

Refer to:
4130.70.103

District Engineer
Corps of Engineers
U. S. Army
650 Capitol Mall
Sacramento, California

Dear Sir:

Reference is made to your letter of September 8, 1965 concerning transfer to the State of California of bank protection work under the Pilot Levee Maintenance Study along the right bank of Sreamboat Slough, 0.25 miles downstream from the head of the slough. This work was accomplished in accordance with Specification No. 3159, Drawing No. 4037.

The berm was constructed as a portion of the Pilot Levee Maintenance Study of the Department of Water Resources. The berm is 10 feet wide and 400 feet long and the top elevation of the berm is approximately 6.0 feet U.S.G.S. datum or approximately 3 feet above normal summer high water. There is a vertical bank above the top of the berm between 7 and 8 feet. The work as such does not meet the normal deisgn criteria of the Sacramento River Flood Control Project and as such is considered to be an experimental site.

The Reclamation Board at its meeting of November 4, 1965 formally accepted the above referred to work for operation and maintenance. Since it is considered to be an experimental site it was transferred to the Department of Water Resources as a portion of the Pilot Levee Maintenance Study for operation and maintenance.

Sincerely yours,

/s/ A. E. McCOLLAM
/t/ A. E. McCOLLAM

EXHIBIT "F"

SPKKO-F

8 September 1965

The Reclamation Board
State of California
1416 - 9th Street, Room 1335
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection made on 31 August 1965, on the bank protection work of the Pilot Maintenance Study, Right Bank, Steamboat Slough. This work was accomplished as a portion of the Sacramento River Flood Control Project. The purpose of the inspection was for transferring the completed work to the jurisdiction of the State of California for operation and maintenance.

The required work, consisting of construction of a low water berm and revetment, was completed on 9 August 1965, in accordance with Specification No. 3159, Contract No. DA-04-167-CIVENG-65-95 and Drawing No. 4037. This work is designated as Unit No. 676 and extends along the right bank levee of Steamboat Slough, 0.25 mile downstream from the head of Steamboat Slough.

The bank work described above now meets the requirements of the Sacramento River Flood Control Project. Therefore, said completed bank protection work together with the levee contiguous thereto, is hereby transferred to the State of California for operation and maintenance.

The maintenance work required under the provisions of the Sacramento River Flood Control 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 the current issue of the Standard Operation and Maintenance Manual for the Sacramento River Flood Control Project. As provided under Paragraph 208.10(10) of these regulations, a supplement to the Standard Operation

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Unit 110

676

SPKHO-F
The Reclamation Board

8 September 1965

and Maintenance Manual covering these units of work is in process of preparation and will be furnished to you upon completion.

Sincerely yours,

✓ 1 Incl
FC Regulation

ROBERT E. MATHE
Colonel, CE
District Engineer

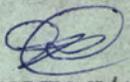
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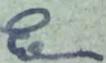
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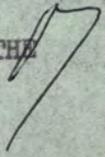
pulled — Dept Water Resources

cc: Lev & Chan
Program Dev
F&A
Valley


COLEMAN/j1


THOMPSON
for

HART 

Unit 710
or TW
MATHE 

1 October 1964

The Reclamation Board
 State of California
 1215 "O" Street
 Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection made on 14 & 15 September 1964, of flood control work pertaining to the Sacramento River Bank Protection Project for the purpose of transferring this work, upon completion, to the State of California, for operation and maintenance.

The flood control work, designated as Contract No. 2, consisting of levee enlargement, shaping and placement of bank protection at 16 locations listed below was completed on 28 September 1964, in accordance with Specification No. 2957, Contract DA-04-167-CIVENG-64-51 and Drawing No. 50-4-3741. This work also includes the additional roadway paving replacement as listed below:

<u>LEVEE UNIT</u>	<u>LINEAL FEET</u>	<u>RIGHT OR LEFT BANK</u>	<u>ADDITIONAL PAVING REPLACEMENT</u>
Site Mile 12.85	650	Left	0 L.F.
Site Mile 14.70	630	Left	0 L.F.
Site Mile 19.45	1,105 Site A&B	Right	505 L.F.
Site Mile 24.95	2,856 Two Sites	Right	100 L.F.
Site Mile 29.05	698	Left	0 L.F.
Site Mile 31.30	650	Right	200 L.F.
Site Mile 37.05	950	Left	0 L.F.
Site Mile 42.65	950	Left	100 L.F.
Site Mile 43.50	1,300	Left	350 L.F.
Site Mile 44.50	700	Left	265 L.F.
Site Mile 46.85	737	Right	150 L.F.
Site Mile 26.70 Sutter Sl.	680	Left	70 L.F.
Three Mile Slough	960 Site A&B	Left	0 L.F.

The flood control work described above now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said flood

SPKKO-F
The Reclamation Board

control work, together with the waterway banks contiguous thereto are transferred to the State of California for operation and maintenance.

These sites will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 102, 104, 110, 111 and 114, Sacramento River Flood Control Project, and furnished your office at a later date.

Sincerely yours,

ROBERT E. MATHE
Colonel, CE
District Engineer

A. M. BARTON
CHIEF ENGINEER AND GENERAL MANAGER
EDMUND G. BROWN, ATTORNEY GENERAL
LEGAL ADVISER
G. F. MELLUM
ASSISTANT ENGINEER AND APPRAISER
DONALD D. LEMMON
ASSISTANT SECRETARY

THE RECLAMATION BOARD
OF THE
STATE OF CALIFORNIA
1800 O STREET
SACRAMENTO 14, CALIFORNIA

February 7, 1955

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

Gentlemen:

Reference is made to your letters dated May, 17, 1954, November 18, 1954, December 15, 1954, January 14, 1955, January 21, 1955, and January 31, 1955, concerning the transfer of levee sections and contiguous banks to the State of California for operation and maintenance, your File No. SPKKO-P 824.3 (Sacramento River F.C.P.).

The Reclamation Board at its meeting on February 2, 1955, deferred action on the above indicated transfers until such time as the report of its consulting engineers has been completed.

Yours very truly,

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

By Donald D. Lemmon
DONALD D. LEMMON
Assistant Secretary

NDL:Tab

May 17-1954	_____	237, 378, and 238 (Filed under unit No. 378)
Nov. 18-1954	_____	305 to 315
Dec. 17-1954	_____	379 to 387
Jan. 14-1955	_____	328 to 422, 104, 110, 112
Jan. 21-1955	_____	423 to 433, 128, 130, 131, 136
Jan. 31-1955	_____	434, 152

Registration No. 22544

REGISTERED MAIL
Return Receipt
Requested

14 JAN 1955

SPKCO-P 824.3 (Sac. River P.C.P.)

The Reclamation Board
State of California
1100 "O" Street
Sacramento, California

Gentlemen:

Reference is made to the District Engineer's letters dated 3 and 5 November 1954 suggesting a joint inspection of certain levee sections pertaining to the Sacramento River Flood Control Project, for the purpose of transferring them to the jurisdiction of the State of California for operation and maintenance. Reference is also made to the joint inspection of these levee sections made on 22 November 1954.

The levee sections referred to above have been recently completed and are listed as follows:

a. Westerly Levee - Sacramento River, on Grand Island, Contract No. DA-04-167-eng-1141, Drawing No. S-4-2977.

Unit 104

<u>Levee Section No.</u>	<u>River Mile Points.</u>
388	15.4 to 15.8
389	17.9 to 17.95
390	18.6 to 18.9
391	19.2 to 19.3
392	19.65 to 20.65
393	21.65 to 21.95
394	22.25 to 22.95
395	24.25 to 24.4
396	24.7 to 24.8
397	25.4 to 25.55
398	25.8 to 26.0

Letter No. 52
388 to 422

C. de ARRIETA

SPKCO-P 824.3 (Sac. River F.C.P.)
The Reclamation Board

<u>Levee Section No.</u>	<u>River Mile Points.</u>
399	26.15 to 26.25
400	27.8 to 27.9
401	28.25 to 28.40
402	29.05 to 29.10
403	29.45 to 29.55
404	29.75 to 29.90
405	30.85 to 31.30
406	31.60 to 31.65

Unit 110

b. Westerly Levee - Sacramento River, on Sutter Island, Contract No. DA-04-167-eng-1158, Drawing No. 50-4-3009:

<u>Levee Section No.</u>	<u>River Mile Points.</u>
407	32.75 to 33.35
408	33.6 to 33.85

Unit 112

c. Westerly Levee - Sacramento River, on Merritt Island, Contract No. DA-04-167-eng-1124, Drawing No. 50-4-2963:

<u>Levee Section No.</u>	<u>River Mile Points.</u>
409	34.00 to 34.05 = Sutter Slough
410 -	34.2 to 34.3 -
411	34.5 to 34.9 -
412	36.0 to 36.1
413	37.2 to 37.4
414	38.5 to 38.8
415 -	41.1 to 41.85
416	42.0 to 42.2 (On Reel. Dist. No. 999)

See Letter No. 52-A dated 10 June 1955 for revised description

Unit 112

d. Right Bank - Sutter Slough, on Merritt Island, Contract No. DA-04-167-eng-1124, Drawing No. 50-4-2963:

<u>Levee Section No.</u>	<u>River Mile Points.</u>
417	28.2 to 28.4

385-422

SPKCO-P 224.3 (Sac. River F.C.P.)
The Reclamation Board

e. Left Bank - Elkhorn Slough - on Herritt Island, Contract No. DA-CA-167-eng-1124, Drawing No. 50-4-2963;

Unit 112

<u>Levee Section No.</u>	<u>River Mile Points.</u>
418	0.0 to 4.25 (Sta 17 / 40 to 240 / 00)

The levee sections, No. 388 to 418 inclusive, described above now meet the requirements of the Sacramento River Flood Control Project, therefore said levee sections, together with the waterway banks contiguous thereto, are hereby transferred to the State of California for operation and maintenance.

In addition to the above, recent surveys indicate that the levee sections listed below also meet the requirements of the Sacramento River Flood Control Project:

Unit 112
f. Westerly Levee of the Sacramento River on Herritt Island:

<u>Levee Section No.</u>	<u>River Mile Points.</u>
419	39.1 to 39.2
420	39.9 to 40.0
421	40.3 to 40.4
422	40.6 to 40.9

Therefore, said levee sections No. 419 to 422 inclusive, together with the waterway banks contiguous thereto, are also hereby transferred to the State of California for operation and maintenance.

It is to be noted that the levee sections described above combined with other sections previously transferred to your jurisdiction now form a long continuous levee reach along the right bank of the Sacramento River from the lower end of Grand Island to a point approximately 4 miles upstream from the upper end of Elkhorn Slough, Mile 15.2 to 46.0, as shown on inclosed Chart entitled, "Sacramento River Flood Control Project - Levee Sections Transferred to the State of California. Sheet 1".

The maintenance work required under the provisions of the Sacramento River Flood Control 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,

388-422

SPKCO-P 824.3 (Sac. River F.C.P.)
The Reclamation Board

approved 22 June 1936, as amended and supplemented by the current issue of the Standard Operation and Maintenance Manual for the Sacramento River Flood Control 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 is in process of preparation and will be furnished to you upon completion.

A copy of this letter is being transmitted to the State Engineer.

Sincerely yours,

2 Incl

1. Chart
2. F.C.Reg.

Copy furnished:

State Engineer w/o incl
Dept. of Public Works
Sacramento, Calif.
OCE w/o incl
So.Pac.Divn.Engr. w/o incl

cc: Engr. Divn.
Sacto. Proj. Off. w/o incl
C. de Arrieta (2)

WM. J. ELY
Col. CE
District Engineer

4
388-422

C
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P
Y

THE RECLAMATION BOARD
of the
STATE OF CALIFORNIA
1100 O STREET
SACRAMENTO 14, CALIFORNIA

August 6, 1952

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

Dear Sir:

Reference your letter 15 May 1952, File SPKKO-P
824.3(Sac. Riv. F.C.P.), in which you transfer to the
State of California for maintenance and operation Unit
No. 88A: Site 3, Left bank of Sutter Slough, on Sutter
Island, from mouth of Miner Slough to Mile 24.25; Station
4/50 to 17/90, Drawing No. 50-4-2716 on Dorsey-Wheeler
properties.

The Reclamation Board at its meeting this
morning accepted said work on behalf of the State of
California for maintenance and operations.

Yours very truly

THE RECLAMATION BOARD
A. M. BARTON
Chief, Engineer and General Manager

By /s/ S. A. Honaker
S. A. HONAKER
Assistant Secretary

SAH:emw
cc: State Engineer

Unit 110

= 330
Unit 88-A

16

file

SPEKO-P 824.8(Sacto.Riv. F.C.P.)

17 NOV 1951

The Reclamation Board
 State of California
 1100 "O" Street
 Sacramento, California

Gentlemen:

Reference is made to the letter from this office dated 12 February 1951, outlining the procedure adopted for transferring to the State of California completed units of the Sacramento River Flood Control Project.

In accordance with the above, you are hereby advised that four units of the Sacramento River Flood Control Project now under construction under Specification No. 1515a, Contract No. DA-04-167-eng-640, have been scheduled for completion on or about 27 December 1951. The location of these units of work are listed as follows:

PART "A"

86-A Site 1 - Right bank of the Sacramento River, Mile 30.5 on Grand Island, Station 1+00 to 13+30, Drawing No. 50-4-2759.

104

87-A Site 2 - Right bank of the Sacramento River, Mile 28.5 on Grand Island, Station 6+00 to 12+58 and from 13+60 to 16+00, Drawing No. 50-4-2760.

104

88-A Site 3 - Left bank of Sutter Slough, on Sutter Island at the junction of Sutter Slough with Miner Slough, Station 4+60 to 17+90, Drawing No. 50-4-2716.

110PART "B"

89-A Site 1 - Left bank of the Sacramento River, Mile 18.0 on Braman Island, Station 22+35 to 31+00, Drawing No. 50-4-2761.

102

86-A, 87-A, 88-A, and 89-A

SPEKO-P 834,5(Sacto.Riv. P.C.P.)
The Reclamation Board.

It is suggested that a joint inspection of these units be made on 4 December 1951 for the purpose of determining if the work in progress meets with the requirements of local interests.

Please advise this office if the suggested date for this inspection meets with your approval.

FOR THE DISTRICT ENGINEER:

Sincerely yours,

cc: Sacto. Field Office
C. de Arrieta

H. R. Relisnyder
Lt. Colonel, Corps of Engineers
Executive Officer

COPY

COPY

SPRKA 824.3(Sac.Riv.F.C.P.)

8 December 1951

The Reclamation Board
State of California
1100 C Street
Sacramento 14, California

Gentlemen:

Reference is made to your letter of 6 June 1951 acknowledging that certain reaches of the levees of the Sacramento River Flood Control Project and the waterway bank contiguous to said levee reaches meet the requirements of the project as authorized prior to the Flood Control Act of 1944.

The levee reaches in question are the levees of Sutter Island at the following locations:

a. Easterly levee of Sutter Slough.

- (1) Steamboat Slough to Mile 22.0.
- (2) Mile 22.25 to Opposite the mouth of Miner Slough, excepting 100 feet at Mile 23.25.
- (3) Mile 24.65 to Mile 25.05.
- (4) Mile 25.75 to Mile 26.1.
- (5) Mile 26.65 to Mile 27.0.

b. Westerly levee of Steamboat Slough.

- (1) Sutter Slough to Mile 22.25.
- (2) Mile 22.5 to Mile 23.15.
- (3) Mile 23.45 to Mile 23.75.
- (4) Mile 23.85 to Mile 24.05.
- (5) Mile 24.8 to Mile 24.75.

EXHIBIT F
Sheet 1 of 6

SPKKA 824.3(Sac.Riv.F.C.P.)
The Reclamation Board

- (6) Mile 25.4 to Mile 25.8.
- (7) Mile 25.95 to Sacramento River.
- c. Westerly levee of Sacramento River.
 - (1) Steamboat Slough to Mile 32.75.
 - (2) Mile 33.35 to Mile 35.6.
 - (3) Mile 33.85 to Sutter Slough.

The levee reaches cited above, although complete, have not been formally transferred as contemplated by the Project documents. Accordingly the said reaches of levee, together with the waterway bank contiguous thereto, are hereby transferred to the State of California for maintenance and operation.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations 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. As provided under paragraph 208.10(10) of these regulations, a maintenance manual covering these works is in the process of preparation and will be furnished your Board upon completion.

A copy of this letter is being transmitted to the State Engineer.

COPY

COPY

SPKKO-P 824.3(Sac.Riv.F.C.P.)

15 May 1952

The Reclamation Board
State of California
1100 "O" Street
Sacramento, California

Gentlemen:

Reference is made to letter from this office dated 17 November 1951, wherein it was suggested that a joint inspection be made for the purpose of transferring to the jurisdiction of the State of California four units of the Sacramento River Flood Control Project in accordance with the procedure set forth in a letter from this office dated 12 February 1951. Reference is also made to the joint inspection which was made on 30 November 1951. Three of these units were previously transferred to you. The last of these four units, remaining to be transferred, designated as Unit No. 330, is described as follows:

Unit No. 330. Site 3, Left bank of Sutter Slough, on Sutter Island, from mouth of Miner Slough to Mile 24.25; Station 4+50 to 17+90, Drawing No. 50-4-2716.

The unit of work referred to above, covered by Specification 1515a and completed on 9 May 1952, now meets the requirements of the Sacramento River Flood Control Project. Therefore, said Unit No. 330, together with the waterway bank contiguous thereto, is hereby transferred to the State of California for maintenance and operation.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations 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. As provided under paragraph 208.10(10) of these regulations, a maintenance manual covering this unit of work is in process of preparation and will be furnished your Board upon completion.

A copy of this letter is being transmitted to the State Engineer.

EXHIBIT F
Sheet 3 of 6

COPY

COPY

SPKKO- 824.3(Sac.Riv.F.C.P.)

18 December 1956

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

Gentlemen:

Reference is made to District Engineer's letter dated 21 November 1956, suggesting a joint inspection of certain levee sections pertaining to the Sacramento River Flood Control Project for the purpose of transferring them to the jurisdiction of the State of California for operation and maintenance. Reference is also made to the joint inspection of these levee sections made on 29 November 1956.

The required work on the levee sections referred to above was completed on 12 December 1956 in accordance with Specification No. 1964, Contract No. DA-04-167-CIV-ENG-56-34 and Drawing No. 50-4-3042. The levee sections referred to above are listed as follows:

<u>Levee Section No.</u>	<u>Site No.</u>	<u>Waterway</u>	<u>River Mile Points</u>	<u>Right or Left Bank</u>
559	1	Sutter Slough	23.2 to 23.3	Left
560	2	Sutter Slough	24.3 to 24.45	Left
561	3	Sutter Slough	25.05 to 25.30	Left
562	4	Sutter Slough	25.50 to 25.75	Left
563	5	Sutter Slough	25.95 to 26.3	Left
564	6	Sutter Slough	26.45 to 26.65	Left
565	7	Sutter Slough	27.00 to 27.45	Left
566	7A	Sutter Slough	27.45 to 28.00	Left
567	8	Sutter Slough	28.00 to 28.4	Left
568	9	Steamboat Slough	22.25 to 22.5	Right
569	10	Steamboat Slough	23.15 to 23.45	Right
570	11	Steamboat Slough	23.75 to 23.85	Right
571	12	Steamboat Slough	24.05 to 24.30	Right
572	13	Steamboat Slough	24.85 to 25.00	Right
573	14	Steamboat Slough	25.1 to 25.25	Right

EXHIBIT F
Sheet 4 of 6

SPKKO-P 824.3(Sac.Riv.F.C.P.)
The Reclamation Board

The levee sections, Nos. 559 to 573 inclusive, described above, now meet the requirements of the Sacramento River Flood Control Project, therefore said levee sections, together with the waterway banks contiguous thereto, are hereby transferred to the State of California.

In addition to the above, recent surveys indicate that the levee sections listed below also meet the requirements of the Sacramento River Flood Control Projects:

<u>Levee Section No.</u>	<u>Site No.</u>	<u>Waterway</u>	<u>River Mile Points</u>	<u>Right or Left Bank</u>
574	-	Sutter Slough	22.0 to 22.25	Left
575	-	Sutter Slough	24.25 to 24.30	Left
576	-	Sutter Slough	24.45 to 24.65	Left
577	-	Sutter Slough	25.30 to 25.50	Left
578	-	Sutter Slough	26.30 to 26.45	Left

Therefore, said levee sections Nos. 574 to 578 inclusive, together with the waterway banks contiguous thereto, are also hereby transferred to the State of California for operation and maintenance.

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 around Reclamation District No. 349 with the exception of four units as follows:

<u>Waterway</u>	<u>River Mile Points</u>	<u>Right or Left Bank</u>
Steamboat Slough	24.75 to 24.85	Right
Steamboat Slough	25.0 to 25.1	Right
Steamboat Slough	25.25 to 25.4	Right
Steamboat Slough	25.8 to 25.95	Right

The maintenance work required under the provisions of the Sacramento River Flood Control 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 the current issue of the Standard Operation and Maintenance Manual for the Sacramento River Flood Control Project.

SPKKO-P 824.3(Sac.Riv.F.C.P.)
The Reclamation Board

As provided under paragraph 208.10(10) of these regulations, a supplement to the Standard Operation and Maintenance Manual covering these units of work is in process of preparation and will be furnished to you upon completion.

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

EXHIBIT G

SUGGESTED SEMI-ANNUAL REPORT FORM

EXHIBIT G

TO: The District Engineer
Sacramento District
Corps of Engineers
1209 - 8th Street
Sacramento, California

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. 110 of the Sacramento River Flood Control Project (Sutter Island levees) 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 State Department of Water Resources gage located on the left bank of the Sacramento River one-quarter mile upstream from the head of Snodgrass Slough) 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