

Return to:

U. S. ARMY ENGINEER DISTRICT, SACRAMENTO
CORPS OF ENGINEERS
FEDERAL & COURTS BLDG., 650 CAPITOL MALL
P. O. BOX 1739, SACRAMENTO, CALIFORNIA 95808

OPERATIONS BRANCH
FLOOD CONTROL SECTION

Book C

Revised 29 Dec 2016

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

**UNIT NO. 105
LEVEES AROUND RYER ISLAND
RECLAMATION DISTRICT NO. 501**



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

CORPS OF ENGINEERS
U. S. ARMY

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

UNIT NO. 105
LEVEES AROUND RYER ISLAND
RECLAMATION DISTRICT NO. 501

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

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

UNIT NO. 105

LEVEES AROUND RYER ISLAND
RECLAMATION DISTRICT NO. 501

LOCATION	ADDITION OR REVISION	DATE
1-04 n.	Add contract no. 57-107	Nov 1963
Exhibit B	Add drawing no. 50-4-3173	Nov 1963
1-04 o.	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	Add subparagraph p.	Dec 1975
2-01 c.	Add c. environmental values.	Dec 1975
Exhibit B	Add drawing no. 50-4-4768	Dec 1975
Exhibit F	Add letters of acceptance dated 7 Jan 1974 and 4 Dec 1974	Dec 1975
1-04	Add subparagraph q.	Mar 1983
Exhibit B	Add drawing no. 50-4-5164	Mar 1983
Exhibit F	Add copy of letter of transfer dated 21 Oct 1977	Mar 1983
1-04	Add subparagraph r.	Dec 1983
2-05	Add environment protection	Dec 1983
Exhibit B	Add drawing no. 50-4-5541	Dec 1983
Exhibit F	Add copy of letters of transfer dated 16 Nov 1982 and 30 Nov 1982	Dec 1983
Exhibit F	Add copy of transfer letter dated 12 Jun 1950	16 Dec 2010
Exhibit F	Add copy of transfer proposal letter dated 3 Jul 1950	16 Dec 2010
Exhibit F	Add copy of transfer letter dated 14 Jul 1950	16 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 28 Nov 1951 (Letter No. 28)	16 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 28 Nov 1951 (Letter No. 29)	16 Dec 2010
Exhibit F	Add copy of letter of transfer dated 4 Dec 1951	16 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 18 Dec 1951	16 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 6 May 1952	16 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 23 Dec 1966	2 Feb 2011
1-04	Add subparagraph s	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 2 Oct 1967	2 Feb 2011
Exhibit B	Add Drawing No. 50-4-4008	2 Feb 2011
Exhibit F	Add copy of letter of acceptance dated 25 Oct 1967	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 18 Dec 1973	7 Mar 2011

LOCATION	ADDITION OR REVISION	DATE
Exhibit F	Add copy of letter of transfer dated 18 Nov 1974	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 21 Dec 1982	7 Mar 2011
1-04	Add subparagraph t	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 13 Dec 1985	7 Mar 2011
Exhibit B	Add Drawing No. 50-4-5697	7 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 18 Mar 1986	7 Mar 2011
1-04	Add subparagraph u	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
Exhibit B	Add Drawing No. 50-4-5777	7 Mar 2011
Table of Contents	Add section 2-05 to table of contents	22 Jul 2011
Exhibit F	Add copy of letter of transfer dated 29 Nov 2016	29 Dec 2016

TABLE OF CONTENTS

SECTION I – INTRODUCTION

<u>Paragraph</u>	<u>Subject</u>	<u>Page</u>
1-01	Location	1
1-02	Protection Provided	1
1-03	Project Works	1
1-04	Construction Data and Contractor	2
1-05	Flood Flows	4
1-06	Assurances Provided by Local Interests	4
1-07	Transfer to the State Reclamation Board	4
1-08	Superintendent	4

SECTION II – FEATURES OF THE PROJECT
SUBJECT TO FLOOD CONTROL REGULATIONS

2-01	Levees	5
2-02	Drainage and Irrigation Structures	5
2-03	Channels	7
2-04	Miscellaneous Facilities	8
2-05	Environment Protection	9 *

SECTION III – REPAIR OF DAMAGE TO PROJECT WORKS
AND METHODS OF COMBATING FLOOD CONDITIONS

3-01	Repair of Damage	10
3-02	Applicable Methods of Combating Floods	10

*(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	Plans 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 Reclama- tion Board Sheets 1 thru 13
G	Suggested Semi-Annual Report Form. . . . Sheets 1 and 2

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
SACRAMENTO RIVER FLOOD CONTROL PROJECT
UNIT NO. 105
LEVEES AROUND RYER ISLAND
RECLAMATION DISTRICT NO. 501

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 channels surrounding Ryer Island, which lies about 3.5 miles northeasterly from Rio Vista, California. The levee of this unit lies within Reclamation District No. 501, as shown on the location map, Exhibit A-1. Miner Slough is on the north and west side of Ryer Island; Cache Slough is on the west and south sides and Sutter and Steamboat Sloughs form the easterly boundary of Ryer Island.

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 10,400 acres of agricultural land that forms the Island of Ryer. The grade of the adopted flood plane profile, along Sutter Slough, varies from elevation 19.8 at its junction with Miner Slough to elevation 18.2 at its junction with Steamboat Slough. Along Steamboat Slough the flood plane profile varies from elevation 18.2 at Sutter Slough to elevation 13.8 at the junction of Steamboat and Cache Sloughs. Along Miner Slough the flood plane profile varies from elevation 19.8 at its junction with Sutter Slough to elevation 19.7 at Yolo Bypass. From Yolo Bypass to the lower end of Cache Slough the flood plane profile varies from elevation 19.7 to 13.8. Elevations are referred to U. S. Corps of Engineers datum. Within this unit Sutter Slough has a project design capacity of 15,500 cubic feet per second; Steamboat Slough 43,500 cubic feet per second; Miner Slough 10,000 cubic feet per second; and Yolo Bypass and Cache Slough 500,000 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 right bank levee and channel of Sutter Slough; the right bank levee and channel of Steamboat Slough; the left bank levee and channel of

Miner Slough; and the left bank levee and channel of Cache Slough. The total distance around Ryer Island is about 20.6 miles. The above described levee has been constructed by local interests and portions as shown on the drawings listed in Exhibit B were enlarged, setback or repaired 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, to place stone protection where needed and to perform repair work to locally built levees was accomplished under the following job orders and contracts:

a. Levee setback and bank protection work on Miner Slough at Mile 24.2 was completed on 31 December 1943 by hired labor under Job Orders No. 917 and 925.

b. Levee setback for 3,200 feet near the junction of Miner and Cache Sloughs was accomplished under Contract No. W-04-167-eng-49 by Morrison & Knudsen and completed on 31 December 1943.

c. A hydraulic berm fill for borrow purposes was placed along the waterside toe of the levee at the confluence of Miner and Cache Sloughs under Job Orders No. 976, 996 and 1036 and completed by hired labor on 20 January 1945.

d. Levee setback and bank protection along Miner Slough on the north end of Ryer Island was accomplished under Contract No. W-04-167-eng-1096 by H. Earl Parker and completed 13 December 1945.

e. Levee setback on Miner Slough at Hollenbeck's was accomplished under Contract No. W-04-167-eng-1209 by Louis Biasotti & Son and completed 15 November 1946.

f. The levee was reinforced between miles 15.7 and 16.5 and at mile 16.8 on the right bank of Steamboat Slough by Job Order No. 1094 that was completed on 25 February 1947.

g. Levee enlargement on Miner Slough 0.25 miles from West Cut was accomplished under Contract No. W-04-167-eng-1371 by A. Teichert & Son, during the period from 13 July 1948 to 20 August 1948.

h. Levee setback and bank protection along Miner Slough below Hollenbeck's was accomplished under Contract No. DA-04-167-eng-7 by M. Malfitano & Son, Inc., during the period from 26 July 1949 to 8 June 1950.

i. Levee setback and bank protection along Miner Slough at the north end of Ryer Island was accomplished under Contract No. DA-04-167-eng-85 by Parish Bros., during the period from 17 October 1949 to 22 June 1950.

j. Levee setback and bank protection on Miner Slough was accomplished under Contract No. DA-04-167-eng-460 by M. Malfitano & Son, Inc., during the period from 18 April 1951 to 21 September 1951.

k. Dredging and levee setback along Cache Slough was accomplished under Contract No. DA-04-167-eng-304 by the San Francisco Bridge Co., during the period from 24 July 1950 to 26 December 1951.

l. Bank protection along Cache Slough was accomplished under Contract No. DA-04-167-eng-837 by Basalt Rock Co., Inc., during the period from 4 August 1952 to 17 October 1952.

m. Stone protection at various locations along the left bank of Cache Slough from the ferry to Miner Slough was accomplished under Contract No. DA-04-167-CIVENG-56-36 by Blake Bros. Col, during the period from 26 March 1956 to 12 July 1956.

n. Stone protection at various locations around Ryer Island was accomplished under Contract No. DA-04-167-CIVENG-57-107 by Basalt Rock Company, Inc., during the period from 25 February 1957 to 13 January 1958, Specification No. 2274, Drawing No. 50-4-3173.

o. Bank protection, left bank Miner Slough and right bank Sutter Slough (Unit No. 9) was accomplished under Contract No. DA-04-167-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.

p. Bank protection, selective clearing and levee bank sloping, left bank of Miner Slough Site Miles 0.6, 1.7, 2.2, and 3.3, and Sutter Slough Site Miles 22.7, 23.3, 23.5, and 23.7 Right Bank, a portion of (Unit No. 25, Sacramento River Bank Protection Project) 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.

q. Bank sloping, stone protection and selective clearing on the right bank of the Steamboat Slough at Site Miles 18.3, 20.9, and 21.0; Sutter Slough Site Miles 22.6; and on the left bank of Miner Slough Site Mile 1.0 and 2.4, (a portion of Unit 31) was accomplished under Contract No. DACW05-77-C-0046 by James Ferry and Son, Inc. Construction was completed on 15 October 1977, Specification No. 5106, Drawing No. 50-4-5164.

r. Bank sloping, stone protection and selective clearing on the right bank of Steamboat Slough at Site Miles 19.2 and 21.2, on the left bank of Miner Slough at Site Miles 4.5, 5.1 and 7.6, and on the right bank of Sutter Slough at Site Miles 21.9, 22.3 23.1, 23.4 and 23.6 (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.

s. Bank sloping, stone protection and levee enlargement on right bank of Steamboat Slough at Site Miles 15.3, 19.3, 20.3, 21.4 and 21.8 was completed on 25 September 1967 under Contract No. DA-04-167-CIVENG-66-149. Specification No. 3156, Drawing No. 50-4-4008.

t. Bank sloping, stone protection and selective clearing on the right bank of Sutter Slough at Site Miles 15.9, 16.0, 16.8, 17.1 and 19.8 (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.

u. 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. Specification No. 8054 and Drawing No. 50-4-5777.

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 10.0 on the State Department of Water Resources continuous water stage recorder and staff gage located on the left bank of the Sacramento River at Walnut Grove upstream from the head of Georgiana Slough. Gage set with 0.0 at elevation 2.84 U.S. Corps of Engineers datum and 0.0 U.S.G.S. datum. Also when water surface in the Sacramento River reaches or exceeds a reading of 8.0 on the U.S. Corps of Engineers continuous water stage recorder and staff gage located on the Army dock about one mile downstream from Rio Vista. Gage set at 0.00 feet U.S. Corps of Engineers datum and minus 3.06 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 2-02a of the Standard Manual).

1-07. Transfer to the State Reclamation Board. Responsibility for operating and maintaining Unit No. 105 was officially transferred to the Reclamation Board of the State of California by letters dated 8 November 1951, 16 November 1951, 17 November 1951, 8 December 1951, 12 September 1956 and 10 February 1958, as shown on copies of letters of 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 the District Engineer, and in case of any change of Superintendent, the District Engineer shall be so notified.

c. Environmental values. 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 as long as it remains alive and in a healthy state.

SECTION II
FEATURES OF THE PROJECT SUBJECT TO
FLOOD CONTROL REGULATIONS

2-01. Levee.

a. Description. The levee around Ryer Island is located as described in paragraphs 1-01 and 1-03 of this manual. A paved road traverses the crown of the levee around Ryer Island. For more complete detail in construction of the above-mentioned levee, refer to the "As Constructed" drawings listed in 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.

C. 2-02. Drainage and Irrigation Structures.

a. Description. Drainage and irrigation structures which extend through the levee are located and described as follows:

Location Levee Mileage	Size of Pipe	Gate Loca- tion	Other Structure Description	Invert-Ft. below crown
0.2	7"	R.S.	Pump R.S.	2.6
0.4	20"	L.S.	Siphon	7.8
0.42	10"	-	Abandoned	4.8
1.0	14"	-	Siphon	3.2
2.0	10"	-	--	-
2.5	10"	R.S.	Pump R.S.	2.8
3.2	14"	-	Pump R.S.	3.2
3.7	20"	-	Pump R.S.	2.2
4.0	5"	-	Abandoned	2.9
4.3	7"	R.S.	Pump R.S.	4.6
4.6	14"	-	Pump R.S.	3.2

Drainage and Irrigation Structures, Cont'd.

Location	Size	Gate		Invert-Ft.
Levee	of	Loca-		below
Mileage	Pipe	tion	Other Structure Description	crown
4.9	12"	-	Abandoned	3.0
5.4	16"	-	Siphon	4.3
6.4	10"	-	Pump R.S.	3.8
7.2	20"	-	Pump R.S.	5.8

Left Bank Cache Slough - Miles Upstream from Steamboat Slough

0.6	12"	-	Pump R.S.	5.0
0.9	8"	-	Siphon	1.7
1.4	24"	-	Abandoned - Flanged	15.5
1.8	10"	-	Siphon	1.8
1.8	14"	-	Siphon	2.2
2.0	42"	L.S.	Pump L.S. (Main drainage)	6.5
2.0	2-36"	L.S.	Pump L.S. (Main drainage)	10.0
2.6	14"	-	Siphon	6.2
3.3	20"	-	Siphon	4.7

Left Bank Miner Slough - Miles Upstream from Cache Slough

0.7	16"	=	Siphon	6.3
0.9	16"	=	Abandoned	6.3
1.5	12"	-	Pump R.S.	8.0
2.0	10"	R.S.	Pump R.S.	3.8
2.7	16"	=	Siphon	3.3
3.8	12"	-	Pump R.S.	5.0
3.9	6"	-	Pump R.S.	2.9
4.0	36"	=		5.0
4.0	6"	=		2.5
4.2	16"	=	Plugged with concrete	9.3
4.6	24"	=		6.5
4.6	10"	=	Abandoned	4.8
5.1	12"	-	Pump R.S.	2.5
5.9	10"	-	Pump R.S.	1.8
6.9	12"	R.S.	Pump R.S.	6.0
6.9	30"	=	Siphon	3.5
6.9	4"	=		7.3
6.9	8"	=		2.7
7.3	12"	-	Pump R.S.	7.5
8.0	8"	R.S.	Pump R.S.	3.7
8.1	8"	R.S.	Pump R.S.	5.7
8.2	8"	-	Siphon	2.7

Drainage and Irrigation Structures, Cont'd.

<u>Location</u>	<u>Size</u>	<u>Gate</u>		<u>Invert-Ft.</u>
<u>Levee</u>	<u>of</u>	<u>Loca-</u>		<u>below</u>
<u>Mileage</u>	<u>Pipe</u>	<u>tion</u>	<u>Other Structure Description</u>	<u>crown</u>
<u>Right Bank Sutter Slough - Miles Downstream from Miner Slough</u>				
0.6	8"	R.S.	Pump R.S.	6.7
1.1	8"	R.S.	Pump R.S.	2.7
1.3	8"	-	Pump R.S.	7.7
1.9	10"	-	Pump R.S.	2.3
2.0	14"	-	Pump R.S.	8.2
2.3	6"	R.S.	Pump R.S.	2.5

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 Sutter Slough, Steamboat Slough, Cache Slough and Miner Slough is confined between levees along both banks. The project design capacities of the respective channels is as indicated in paragraph 1-02 of this manual.

Since the channels of Sutter Slough, Steamboat Slough, Cache Slough and Miner 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 10.0 on the gage located on the left bank of the Sacramento River at Walnut Grove and a reading of 8.0 on the gage at Rio Vista 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 at Walnut Grove and at Rio Vista reaches the gage readings 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) Bridge. A bridge crossing Miner Slough on the north end of Ryer Island.

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

(3) Ferry.

(a) A ferry crossing Cache Slough about 0.2 miles upstream from the junction of Steamboat and Cache Sloughs.

(b) A ferry crossing Steamboat Slough about 1.3 miles downstream from the junction of Sutter and Steamboat Sloughs.

(4) Hydrographic Facilities.

(a) A continuous water stage recorder and staff gage located on the left bank of the Sacramento River immediately upstream from the head of Georgiana Slough. This gage to be maintained by the State Department of Water Resources.

(b) A continuous water stage recorder and staff gage located on the Army Dock about one mile downstream from Rio Vista. This gage to be maintained by the U. S. Corps of Engineers.

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 left during construction on the waterside berm or slope above the bank protection shall not be removed under normal maintenance. Dead trees with wildlife value will be retained except where they are 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

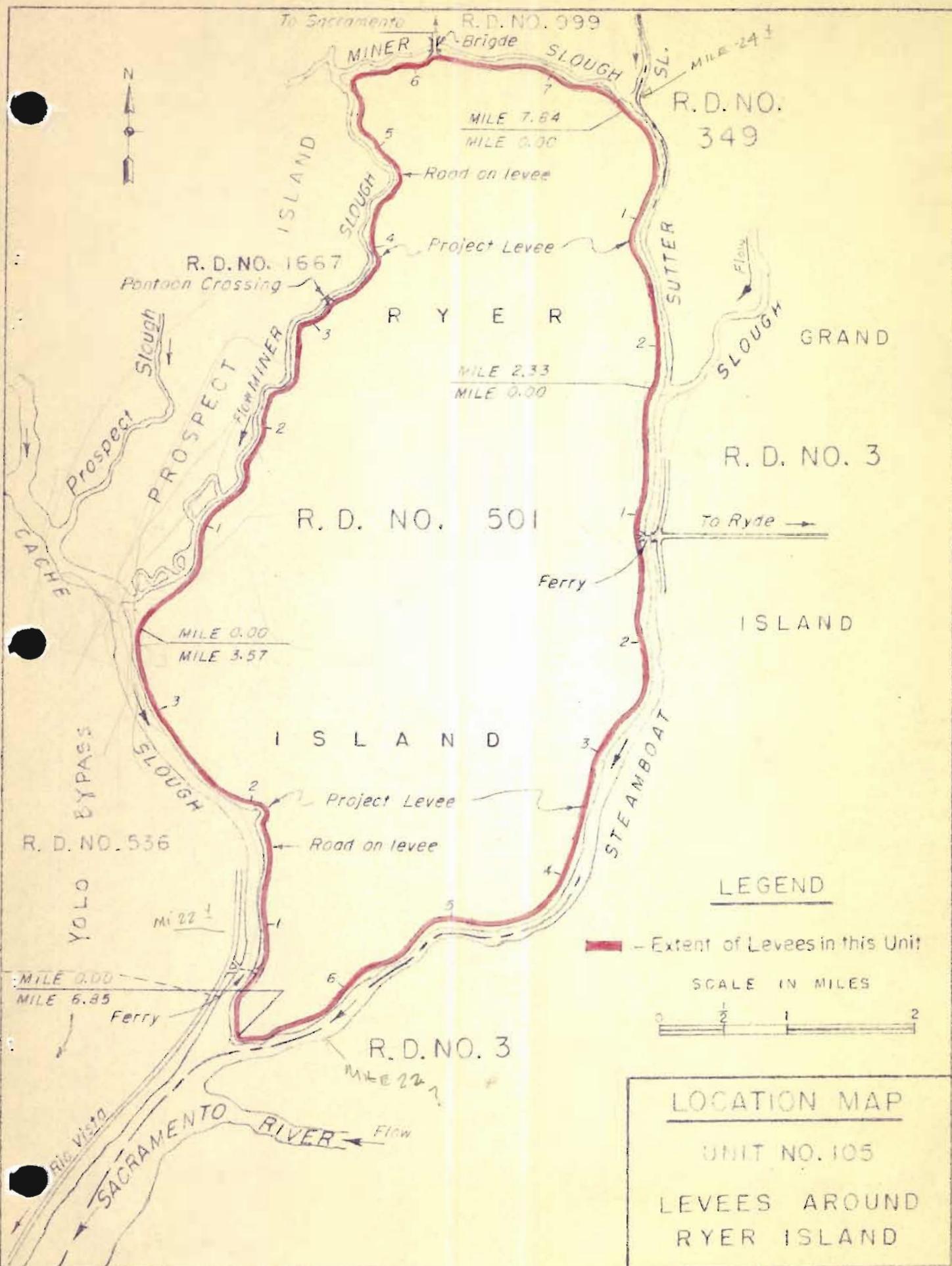


EXHIBIT A-1

EXHIBIT B

"AS CONSTRUCTED" DRAWINGS

<u>File No.</u>	<u>Title</u>	
50-4-2230	Berm Fill at Junction of Miner and Cache Slough	1 sheet
50-4-2255	Levee Setback on Miner Slough	1 sheet
50-4-2292	Levee Setback and Bank Protection on Miner Slough at Hollenbeck's	1 sheet
50-4-2299	Bank Protection on Steamboat Slough at Mile 15.7R	1 sheet
50-4-2300	Bank Protection on Steamboat Slough at Mile 16.2R	1 sheet
50-4-2301	Bank Protection on Steamboat Slough at Mile 16.5R	1 sheet
50-4-2372	Levee Setback and Bank Protection on Miner Slough 0.25 Mi. Upstream from Junction with West Cut	1 sheet
50-4-2583	Levee Setback and Bank Protection on Miner Slough Below Hollenbeck's	1 sheet
50-4-2595	Levee Setback and Bank Protection on Miner Slough	2 sheets
52-3-67	Ship Channel Mile 14.1 to Mile 17.8, sheets 1 to 10, incl.	
50-4-2726	Borrow Area on Ryer Island	1 sheet
50-4-2715	Levee Setback and Bank Protection on Miner Slough	2 sheets
50-4-2717	Levee Setback and Bank Protection on Miner Slough	1 sheet
52-2-106	Ship Channel Mile 14.1 to 17.8, East Ferry Slip	1 sheet
52-4-117	Ship Channel, Bank Protection on Ryer Island	1 sheet
50-4-3075	Stone Protection along Left Bank Cache Slough from Ferry to Miner Slough	sheets 1 to 4, incl.
50-4-3173	Stone protection at various locations around Ryer Island, in 35 sheets.	

over →

50-4-4006 Bank Protection, Right and Left Banks Sutter Slough and Left Bank Miner Slough, in 23 sheets (Unit No. 9).

50-4-4768 Bank Protection, Various Locations on Sutter, Steamboat, Miner, and Georgiana Sloughs, in 33 sheets.

50-4-5164 Bank Protection, Various Locations, Right and Left Banks, Miner, Sutter and Steamboat Sloughs, in 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 and Tributaries, Mile 0.0 to Mile 62.0, in 55 sheets.

50-4-4008 Bank Protection, Unit 10, Right and Left Banks Steamboat Slough, From Sacramento River to Cache Slough, in 41 sheets.

50-4-5777 Not Found

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. 105

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 gulying of the section has occurred.
- Item (c) If sufficient erosion or gulying of back face of back toe of levee has taken place to be noticeable by visual inspection, indicate area affected and depth.
- Item (d) Note any natural change in any section of roadway or ramps. Indicate any inadequacy in surface drainage system.
- Item (e) Indicate any evidence of seepage through the embankment section.
- Item (f) Indicate the serviceability of all farm gates across the embankments and roadway, and indicate if repainting is required.
- Item (g) Indicate maintenance measures that have been performed since last inspection and their condition at the time of this inspection.
- Item (h) Record opinion, if any, of contributory causes for conditions observed and also any observations not covered under other columns.

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

CHECK LIST NO. 3

CHANNEL AND RIGHT-OF-WAY

UNIT NO. 105

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. 105

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
0.2	Right						
0.4	"						
0.42	"						
1.0	"						
2.0	"						
2.5	"						
3.2	"						
3.7	"						
4.0	"						
4.3	"						
4.6	"						
4.9	"						
5.4	"						
6.4	"						
7.2	"						
Steamboat Slough - Miles Downstream from Sutter Slough							

CHECK LIST NO. 4
DRAINAGE AND IRRIGATION STRUCTURES
UNIT NO. 105

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
0.6	Left						
0.9	"						
1.4	"						
1.8	"						
1.8	"						
2.0	"						
2.0	"						
2.6	"						
3.3	"						
0.7	Left						
0.9	"						
1.5	"						
2.0	"						
2.7	"						
3.8	"						
3.9	"						
4.0	"						
4.0	"						
<u>Cache Slough - Miles Upstream from Steamboat Slough</u>							
<u>Miner Slough - Miles Upstream from Cache Slough</u>							

CHECK LIST NO. 4
DRAINAGE AND IRRIGATION STRUCTURES
UNIT NO. 105

Inspector's Report Sheet No. _____ Inspector _____

Date _____ Superintendent _____

(a) Location by Levee Mileage	(b) Bank	(c) Debris or 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
			Miner Slough - Miles Upstream from Cache Slough, Cont.				
4.2	Left						
4.6	"						
4.6	"						
5.1	"						
5.9	"						
6.9	"						
6.9	"						
6.9	"						
7.3	"						
8.0	"						
8.1	"						
8.2	"						
			Sutter Slough - Miles Downstream from Miner Slough				
0.6	Right						
1.1	"						
1.3	"						
1.9	"						
2.0	"						
2.3	"						

INSTRUCTIONS FOR COMPLETING SHEETS 6, 7 AND 8 EXHIBIT E
(To be printed on back of sheets 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 overflow of the drainage structure and note conditions in Column (f).
- (6) Under Column (g) indicate physical measures that have been taken to correct conditions reported in last inspection, and their condition at time of this inspection.
- (7) Under Column (h) record opinion, if any, of contributory causes for conditions observed, also any observations not covered under other columns.
- (8) A copy of the inspector's report is to be mailed to the District Engineer immediately on completion, and a record copy shall be attached to the Superintendent's semi-annual report.

EXHIBIT F

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

C
O
P
Y

C
O
P
Y

SPKKO-P 824.3(S.J.Riv.)

8 November 1951

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

Gentlemen:

Reference is made to letter from this office dated 7 September 1951, wherein it was proposed to make a joint inspection of a section of levee on Ryer Island, along Cache Slough, from Mile 15.2 to 15.8. Station 181+00 to 157+76, near Rio Vista, California, for the purpose of transferring said levee to the jurisdiction of the State of California upon its completion. Reference is also made to telephone conversation, on 1 November 1951, with Mr. Hanaker of your office with respect to said levee. In this conversation, Mr. Hanaker stated that available information obtained from previous inspections indicated the work performed on this levee was satisfactory and therefore a joint inspection was not considered necessary.

The levee referred to above was completed on 28 October 1951, and now meets the requirements of the Sacramento River Flood Control Project. Therefore, in accordance with the understanding referred to above, said levee together with the slough 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 5 of the Act of Congress, approved 22 June 1938, as amended and supplemented. As provided under Paragraph 208.18(10) of these regulations, a maintenance manual covering this levee unit 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 1 of 13

C
O
P
Y

C
O
P
Y

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

16 November 1951

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

Gentlemen:

Reference is made to letter from this office dated 2 November 1951, wherein it was proposed to transfer to the jurisdiction of the State of California two units of the Sacramento River Flood Control Project in accordance with the procedure set forth in the letter from this office dated 12 February 1951. Reference is also made to the joint inspection of these units of work which was made on 9 November 1951. The location of these two units is described as follows:

a. Site "A", Right bank of Three Mile Slough, on Sherman Island, from 1.3 miles below State Highway 24 downstream 0.7 miles, Station 69+00 to 108+40, Drawing 50-4-2848.

b. Site "B", Left bank of Miner Slough, on Ryer Island, from Highway bridge, on Ryer Avenue, downstream 0.8 miles, Station 17+54 to 44+60.28, Drawing No. 50-4-2.

The work referred to above, covered by Specification No. 1548, Contract No. DA-04-167-eng-588 was completed on 12 October 1951 and now meets the requirements of the Sacramento River Flood Control Project. Therefore, said levee units referred to above, together with the slough banks 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 5 of the

EXHIBIT F
Sheet 2 of 13

C
O
P
Y

C
O
P
Y

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

Act of Congress, approved 22 June 1938, as amended and supplemented.
As provided under Paragraph 208.10(10) of these regulations, a
maintenance manual covering these levee units is in process of pre-
paration and will be furnished your Board upon completion.

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

/s/

H. R. Reifsnyder
H. R. REIFSNYDER
Lt. Colonel, Corps of Engineers
Executive Officer

C
O
P
Y

C
O
P
Y

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

17 November 1951

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

Gentlemen:

Reference is made to letter from this office dated 31 July 1951, wherein it was proposed to transfer to the jurisdiction of the State of California three units of the Sacramento River Flood Control Project in accordance with the procedure set forth in the letter from this office dated 12 February 1951. Reference is also made to the joint inspection of these units of work which was made on 8 August 1951. The location of these three units is described as follows:

Part "A", Levee construction including bank protection work, left bank of Sacramento River, Mile 40.8, approximately 2 miles southerly of Clarksburg, California, Station 53+00 to 68+00 Drawing No. 50-4-2717.

Part "B" Levee setback and bank protection work, left bank of Miner Slough, at Ryer Island, approximately 8 miles northwesterly of Rio Vista, California, Station 53+00 to 64+00, Drawing No. 50-4-2717.

Part "C", Levee setback and bank protection work, left bank of Miner Slough, at Ryer Island, approximately 7 miles northeasterly of Rio Vista, California, Station 0+00 to 14+00, Drawing No. 50-4-2715.

The work referred to above covered by Specification No. 1473, Contract No. DA-04-167-eng-460, was completed on 21 September 1951, and now meets the requirements of the Sacramento River Flood Control Project. Therefore, said levee units referred to above, together with the stream bank contiguous thereto, are hereby transferred to the State of California for maintenance and operation.

EXHIBIT F
Sheet 4 of 13

C
O
P
Y

C
O
P
Y

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

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 8 of the Act of Congress, approved 22 June 1958, as amended and supplemented. As provided under Paragraph 208.10(10) of these regulations, a maintenance manual covering these levee units 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.

/s/ H. R. Reifsnnyder

C
O
P
Y

C
O
P
Y

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

8 December 1951

The Reclamation Board
State of California
1100 O 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 Ryer Island at the following locations:

- a. Easterly levee of Cache Slough.
 - (1) Steamboat Slough to Mile 14.9.
 - (2) Mile 17.3 to Mile 17.95.
 - (3) Mile 18.25 to Miner Slough.
- b. Westerly levee of Steamboat Slough.
 - (1) Cache Slough to Mile 15.5.
 - (2) Mile 15.85 to Mile 16.2.
 - (3) Mile 16.45 to Mile 18.45.
 - (4) Mile 18.9 to Mile 20.3.
 - (5) Mile 20.5 to Mile 21.55.
 - (6) Mile 21.75 to Sutter Slough.

EXHIBIT F
Sheet 6 of 13

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

- c. Westerly levee of Sutter Slough.
 - (1) Steamboat Slough to Mile 22.65.
 - (2) Mile 23.0 to Mile 23.9.
 - (3) Mile 24.05 to Miner Slough.
- d. Easterly levee of Miner Slough.
 - (1) Sutter Slough to Mile 25.1.
 - (2) Mile 25.2 to Mile 25.6 (State Highway Bridge).
 - (3) Mile 26.1 to Mile 26.4.
 - (4) Mile 26.45 to Mile 26.7.
 - (5) Mile 26.8 to Mile 27.2.
 - (6) Mile 27.25 to Mile 27.45.
 - (7) Mile 27.75 to Mile 28.1.
 - (8) Mile 28.4 to Mile 28.8.
 - (9) Mile 29.0 to Mile 29.4.
 - (10) Mile 28.6 to Mile 30.1.
 - (11) Mile 30.15 to Mile 30.4.
 - (12) Mile 30.6 to Mile 31.15.
 - (13) Mile 31.28 to Cache 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.

C
O
P
Y

C
O
P
Y

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

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 process of preparation and will be furnished your Board upon completion.

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

/s/ H. R. Reifsnyder

C
O
P
Y

C
O
P
Y

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

12 September 1956

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

Gentlemen:

Reference is made to the District Engineer's letter dated 12 June 1956, suggesting a joint inspection of a certain levee unit pertaining to the Sacramento River Flood Control Project, for the purpose of transferring it to the jurisdiction of the State of California for operation and maintenance. Reference is also made to the joint inspection of this levee unit made on 21 June 1956.

The levee unit referred to above is described as follows:

Levee Unit No. 484: Easterly levee of Cache Slough from approximately Mile 15.3 to Mile 17.3.

This levee unit was completed on 17 July 1956, under Contract No. DA-04-167-eng-56-36 and Drawing No. 50-4-3075, and now meets the requirements of the Sacramento River Flood Control Project, therefore said Levee Unit No. 484, together with the bank 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 and Maintenance Manual covering this unit of work is in process of preparation and will be furnished to you upon completion.

EXHIBIT F
Sheet 9 of 13

C
O
P
Y

C
O
P
Y

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

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

/s/ A. E. McCOLLUM

C
O
P
Y

C
O
P
Y

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

10 February 1958

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

Gentlemen:

Reference is made to District Engineer's letter dated 9 September 1957, 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 24 September 1957.

The required work on the levee sections referred to above was completed on 13 January 1958 in accordance with Specification No. 2274, Contract No. DA-04-167-CIVENG-57-107 and Drawings Nos. 50-4-3173 and 50-4-3493. 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>
582	A	Steamboat Slough	15.50 to 15.82	Right
583	B	"	16.16 to 16.43	"
584	B(a)	"	16.37 to 16.64	"
585	C	"	18.39 to 18.90	"
586	D	"	18.85 to 19.00	"
587	D(a)	"	19.60 to 19.64	"
588	E	"	20.34 to 20.56	"
589	F	"	21.50 to 21.76	"
590	G	Sutter Slough	22.73 to 22.95	Ryer Isl. Levee
591	H	"	23.85 to 23.99	" " "

EXHIBIT F
Sheet 11 of 13

SPKKO-P 824.3
The Reclamation Board

<u>Levee Section No.</u>	<u>Site No.</u>	<u>Waterway</u>	<u>River Mile Points</u>	<u>Right or Left Bank</u>
592	H(a)	Miner Slough	24.98 to 25.14	Ryer Isl. Levee
593	H(b)	"	25.24 to 25.55	" " "
594	I	"	26.21 to 26.37	" " "
595	J	"	26.58 to 26.88	" " "
596	K	"	27.20 to 27.62	" " "
597	L	"	27.75 to 27.86	" " "
598	M	"	27.97 to 28.35	" " "
599	N	"	28.82 to 28.91	" " "
600	O	"	29.85 to 30.01	" " "
601	P	"	30.79 to 30.98	" " "
602	Q	Cache Slough	27.29 to 15.18	Left

The levee sections Nos. 582 to 602 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 Flood Control Project:

<u>Levee Section No.</u>	<u>Waterway</u>	<u>River Mile Points</u>	<u>Right or Left Bank</u>
603	Steamboat Slough	15.82 to 15.85	Right
604	"	16.43 to 16.45	"
605	"	18.80 to 18.83	"
606	"	20.30 to 20.34	"
607	Sutter Slough	22.65 to 22.73	Ryer Isl. Levee
608	"	22.95 to 23.00	"
609	Miner Slough	25.14 to 25.20	"
610	"	26.40 to 26.45	"
611	"	27.62 to 27.73	"
612	"	28.33 to 28.40	"
613	"	28.91 to 29.00	"
614	"	30.10 to 30.15	"
615	"	31.15 to 31.25	"
616	Cache Slough	18.18 to 18.25	Left

C
O
P
Y

C
O
P
Y

SPKKO-P 824.3
The Reclamation Board

Therefore, said levee sections Nos. 603 to 616 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. 501.

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 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.

/s/ A. E. McCollum

Unit 35A

PSKKA-B

JUN 12 1950

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

Gentlemen:

Construction of levee set-backs and bank protection along Miner Slough, on Ryer Island, below Hollenbeck's, approximately six miles northwest of Walnut Grove, Solano County, California, has been completed. Therefore, in accordance with established procedure, these portions of completed levees are hereby transferred to the State of California for maintenance.

This construction forms an integral part of the Sacramento River Flood Control Project. Corrected drawings showing minor deviations from the contract drawings, of which you have copies, will be submitted as soon as possible.

There is inclosed a copy of Flood Control Regulations prescribed by the Secretary of the Army pursuant to the provisions of Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented, to govern the maintenance and operation of flood control works, of which the levees referred to are a part. In accordance with paragraph 208.10(10) of the regulations, at a later date, we will furnish you and local interests with an operation and maintenance manual to assist in carrying out the obligations established by the regulations.

For our records acknowledgment of receipt of this letter is requested on or before 10 July 1950.

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

Sincerely yours,

1 Incl.
Flood Control Regulations

Copy furnished:
State Engineer
with Inclosure

cc: CRR
Engr. Div.
(Work completed 8 June 1950,
under Contr. DA-04-167-eng-7
with M. Malfitano & Son, Inc.)

C. G. HARRIS
Lt. Colonel, Corps of Engineers
District Engineer

105

RHT
7.06

C
O
P
Y

Unit 37-A

PSKKOP

July 3, 1950

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

Gentlemen:

In accordance with our letter dated 23 June 1950, wherein a procedure was proposed for the transfer of completed units of the Sacramento River Flood Control Project to your jurisdiction, approved by your office by letter dated 26 June 1950, it is proposed to transfer the levee setback and bank protection work at the north end of Ryer Island. Completion of this unit was accomplished under Contract No. DA-04-167-eng-85, Specification No. 1411, Parish Brothers, Contractors, during the period 17 October 1949 to 20 June 1950.

The work was constructed in accordance with the plans and specifications with the exception of the following two deviations:

Station 3/00 to Station 16/00: Placed a 3" x 16' asphalt treated crushed rock surface on the levee crown in lieu of the 3" x 12' surfacing originally specified.

Station 13/53: Constructed the pumping platform floor to elevation 16.3 in lieu of to elevation 10.3 as originally specified. The walkway was constructed to conform to the new elevation. Railing was added around platform and on one side of walkway. Stairs were built from berm to walkway.

In accordance with our letter of 23 June 1950, it is proposed to transfer this work to your Board as of 31 July 1950. Advice is requested as to whether or not a joint inspection is necessary or that the project may be transferred as outlined in our letter of 23 June 1950. In the event that a joint inspection is desirable, it is requested that we be advised as to the date selected for such inspection.

Sincerely yours,

cc: Engr.Div.
RHT
Service Sec. (Oper.)

C. C. HAUG
Lt. Colonel, Corps of Engineers
District Engineer

C. R. RIEPE

JUL 14 1950

PSEKO-3

*Accepted
19 July 1950.*

The Reclamation Board
State of California
1100 "O" Street
Sacramento 14, California

Gentlemen:

Reference is made to our letter dated 23 June 1950 and your letter dated 26 June 1950 wherein a procedure for transfer of completed units of the Sacramento River Flood Control Project was proposed and accepted respectively.

In accordance with our letter dated 3 July 1950 and your letter dated 12 July 1950 the levee setback and bank protection work at the North end of Hyer Island completed 20 June 1950, under Contract DA-CR-167-eng-35 with Parish Bros., Contractors, is hereby transferred to the State of California as of 19 July 1950. *Mile 24.85 to 25.1. Previous completed work extends from Sutter Slough, Mile 24.1, to Mile 24.85.*

There is inclosed a copy of the Flood Control Regulations prescribed by the Secretary of the Army pursuant to the provisions of Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented, to govern the maintenance and operation of flood control works, of which the construction referred to is a part. In accordance with paragraph 204.10(10) of these regulations we will furnish you and local interests at a later date with an operation and maintenance manual to assist in carrying out the obligations established. Copies of the contract drawings have previously been furnished to you. Copies of revised drawings incorporating revisions described in our letter of 3 July 1950 will be forwarded as soon as possible.

A copy of this letter with inclosure, is being transmitted to the State Engineer

Sincerely yours,

1 Incl.
Flood Control Regulations

cc: OCE & DIV. by separate letter
Engrg. Div.
State Engr. w/incl.
C.R. Riepe

G. C. HAUG

Lt. Colonel

District Engineer

37-A

Sincerely

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

NOVEMBER 28, 1951

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

Dear Sir:

Reference your letter 16 Nov 1951, file SPKKO-P 824.3 (Sac. R. F. C. P.), transferring those levees under Par "B" of Specification No. 1515a at Site No. 2, Site No. 3 and Site No. 4, as detailed in said letter.

You state that these levees are complete except for the gravelling of the crown of the levee which for economic reasons will be performed at a later date when adjoining sections of levee will also be graveled in this area to provide adequate patrol roads necessary for maintenance work.

The Reclamation Board at its meeting ¹⁹⁵¹ November 20, accepted said work on a tentative basis for maintenance and operation by the State of California pending the completion of gravelling of the patrol roads in question.

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

Unit 102

3 MILE Sl. left bank
TWITCHELL 15. 332 - 333 and 334
Units 90-A, 91-A and 92-A

(1)

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

NOVEMBER 28, 1951

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

*Corrected to read
Mile 14.9 to 15.3
by Corps of Eng. letter
dated 8 Dec. 1951.*

Dear Sir:

Reference your letter 8 Nov 1951, file SPKKO-P 824.3 (S.J.Riv.), transferring to the State of California for maintenance and operation the section of levee on Ryer Island, along Cache Slough, from Mile 15.2 to 15.6, Station 181+00 to 157+74, near Rio Vista.

The Reclamation Board at its meeting November 20, accepted, on behalf of the State, the subject levee for maintenance and operation.

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

Letter No. 28

= 319

Unit - 77-A

Unit 105

REGISTERED MAIL
Return Receipt
Requested

Letter No. 3

3

C. de ARRIETA

SPKHA 924.5(Sac.Riv. F.C.P.)

4 DEC 1951

Refer. Recl. Board letter dated 2 April 1952.

The Board accepted Item No. 9 on 18 Dec. 1951 with the condition that the Federal Gov. complete the enlargement of the levee with no obligation for the State to maintain the banks along the Sacramento Deep Water Channel.

The Board also accepted Items No. 10 and 11 on 18 Dec. 1951, without reservations other than an statement indicating that flatter slopes on this levees are not required.

The Reclamation Board
State of California
1100 "O" Street
Sacramento 14, California

Item No. 9 was previously accepted on 6 June 1951,

Gentlemen:

Reference is made to your letter of 18 May 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 located as follows:

- Reach No. 32 9 a. Westerly levee of the Yolo Bypass from Fremont Weir to Miner Slough. 127, 126, 121, 120, 119, 109, 107, 105 accepted 6-6-51
- Reach No. 32 10 b. Northerly levee of Sacramento Bypass. 122
- Reach No. 33 11 c. Southerly levee of Sacramento Bypass. 116

The records of this office show that on 6 June 1951 your Board accepted the levee covered by Item a, above as complete. Accordingly, the waterway bank contiguous to said Item a, is hereby transferred to the State of California for maintenance and operation.

The levee covered by Items b, and c, above although complete has not been formally transferred as contemplated by the Project documents. Accordingly, the levee covered by said Items b, and c., 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

Reaches 32 and 33
Items 9 to 11

3

Mile 0 to 50
" 50 to 106

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

Letter No. 3

3

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 206.10(10) of these regulations, a maintenance manual covering these works 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.

Sincerely yours,

Copy Furnished:
Office, Chief of Engrs.
So. Pac. Div. Engr.
State Engineer
Engr. Div. (2)
D. de Arrieta

C. C. Haug
Colonel, Corps of Engineers
District Engineer

This copy was furnished on 24 Feb. 1953 B. de A.

Accepted Items

December 18, 1951

The Board accepted the transfer from the Corps of Engineers, in letters of dates listed below, the following reaches of levees and their contiguous waterway banks where applicable for flood control operation and maintenance, as complete and meeting the requirements of the Sacramento River Flood Control Project.

No.	Date of Letter	Levee Location	Remarks
①-②	1 Dec.1951	N. and S. Training* Levees Moulton Weir*	Maintained by State
③-④	Do	N. and S. Training* Levees Colusa Weir*	Maintained by State
⑥	3 Dec.1951	W. Levee Sacramento River, Mile 177.5 Mile 174.1	Maintained as Maintenance Area No. 2
⑨	4 Dec.1951	E. Levee Yolo By-pass Fremont* Weir to Miner Slough*	N. 2 mi. maintained by State. Remainder by local districts. Conditioned upon completion of levee section and no acceptance of banks of Sacramento Deep Water Channel.
⑩ ⑪	Do	N.&S. Levees Sacra- mento By-pass*	Maintained by State. Waterward slopes on 4 to 1 not required.
⑫ ⑬	6 Dec.1951	Back levee Egbert District*	Maintained by R. D. No. 536
⑭ ⑮	6 Dec.1951	W. Levee Yolo By-pass Lindsey* Slough to Watson Hollow Drain*	Maintained by R. D. No. 536
⑰ ⑱	Do	N. Levee Watson Hollow Drain*	Do
⑲ ⑳	6 Dec.1951	W. Levee Sacramento River Mile 59.0 to Lake Wash- ington Barge Canal	Maintained by R. D. No. 900
㉑ ㉒	Do	W. Levee Sacramento Riv. Mile 50.8 to 50.5	Bank protection contract. Maintained by R. D. No. 765

Copy to USED.

①

Accepted Items

No. Date of Letter

Levee Location

Remarks

6 6 Dec. 1951

Levees of Wadsworth Canal*
South levees of E. and W.
Intercepting Canals.

Maintained by State. Water-
ward slopes on 4 to 1 not
required.

12-13-14-15

7 7 Dec. 1951

Site 2 Part A. W. Levee
Sacramento River-Mile
28.5 -Grand Island.

Maintained by R.D. No. 3.
Completed contract.

= 329

87-A

= 331

89-A

Site 1, Part B. E. levee
Sacramento River-Mile 15.0
Brannan Island.

Maintained by R.D.No. 2067
Completed contract.

8 8 Dec. 1951

W. levee Sacramento River
Mile 163.8 to Mile 143.5
except 320 ft. at Colusa
Warehouse & Mile 146.1
to Mile 146.4.

Maintained as Maintenance
Area No. 1.

51-52-53-54-55-56-57

8 Do

E. levee Sacramento River,
Mile 153.3 to Mile 152.7;
Mile 149.9 to Mile 149.7;
Mile 149.4 to Mile 149.0;
at Colusa Weir; Mile 143.3
to Mile 140.2; Mile 139.3
to Mile 138.2.

Maintained by State
Separate completed contracts.

58-59-60-61-62-63

8 Do

E. levee Sacramento River
Mile 138.2 to Mile 137.9;
Mile 136.9 to Mile 133.8;
Mile 133.2 to Mile 132.3;
Mile 131.8 to Mile 125.9;
Mile 125.8 to Mile 123.1;
Mile 122.6 to Mile 122.0.

Maintained by R.D.No. 70,
Completed contracts.

64-65-66-67-68-69-70

8 Do

West levee, Sutter By-pass*

Maintained by R.D.Nos. 70,
1660, 1500. Condition upon
completion of remaining
part to standard section.

71-72-73

8 Do

North levee Tisdale
By-pass†

Maintained by R.D.No. 1660.
Waterward slope of 4 to 1
not required.

74

8 Do

South levee Tisdale
By-pass†

Maintained by R.D.No. 1500.
Waterward slope of 4 to 1
not required.

75

8 Do

East levee Sutter
By-pass*.

Maintained by State.

76

9 Do

W. levee Sacramento River
Mile 35.15 to 35.86.

Maintained by R.D.No. 150
(Merritt Island). Completed
contract bank protection.

81

21
2

Accepted Items

No.	Date of Letter	Levee Location	Remarks
(91) 10	8 Dec. 1951	Cross levee Steamboat Slough to Sacramento River.*	Maintained by R.D. No. 3 (along U.S.spoil bank).
(140) 11	Do	N. levee American River from Jibboom St. Bridge to Sacramento River.	Maintained by R.D. No. 1000.
(141) 11	Do	E. levee Sacramento River American River to Natomas Cut.	Maintained by R.D.No. 1000.
(142) 11	Do	E. bank Sacramento River At Moulton Weir.	Maintained by State.
(143) 11	Do	E. Levee Sacramento River Mile 158.5 to Mile 164.4.	Maintained partly by State; remainder by Levee District.No. 3, Glenn County, Completed Contract.
(146) 11	Do	W. levee Sacramento River Mile 61.8 to Mile 62.65.	Maintained by Maintenance Area No. 4. Completed contract.
(147) 11	Do	W. Levee Sacramento River Mile 62.65 to Mile 63.1.	Maintained by R.D. No. 537 Completed contract.
(148) 11	Do	Sacramento Weir.	Maintained by State.
(152) 11	Do	Fremont Weir.	Maintained by State.
11	Do	W. Levee Sacramento River Mile 87.6 to Mile 88.4; Mile 89.2 to Sycamore Slough	Maintained by R.D. No. 730 Completed contracts.
(153) 11	Do	W. Levee Sacramento River Mile 100.6 to Mile 101.4	Maintained by Sacramento River West Side Levee District. Completed contract.
11	Do	W. Levee Feather River except: 3.31 Mi. North from Nicolaus Bridge; 1400 ft. in Yuba City; from Sta.774+80 to Sta. 1188+00 of "Y.C.H.B" Traverse.	Maintained by Maintenance Area No. 3, Levee Dist. Nos. 1 & 9 of Sutter Co. Recl. Dist.No. 777 and State.
(160) (161) (162) (163) 11	Do	E. Levee Sacramento River, Natomas Cut to Feather River	Maintained by Recl.Dist.No.1001.
11	Do	E. Levee Feather River from mouth to Mile 26.5, except from 2.37 miles of Nicolaus Bridge to Bear River	Maintained by R.D. Nos. 1001 and 784.

Accepted
Items

5

<u>No.</u>	<u>Date of Letter</u>	<u>Levee Location</u>	<u>Remarks</u>
(171) (172) 11	8 Dec. 1951	Marysville levees from W.P.R.R. at Simmerly Slough E. to Yuba River and from D St. Bridge on Yuba River upstream to Valley Meat Co.	Maintained by Marysville Levee Commission.
(173) (174) 11	Do	N. Levee Simmerly Slough from W.P.R.R. to S.P.R.R. and E. Levee Feather River from Simmerly Slough upstream 4.8 miles	Maintained by R.D. No. 10 Completed contract.
(175) 11	Do	N. Levee Yuba River from back levee of Marysville upstream 1.8 miles	Maintained by Marysville Levee Commission.
(176) 11	Do	S. Levee Yuba River from S.N.R.R. to S.P.R.R.	Maintained by R.D. No. 784.
(177) 11	Do	N. Levee Bear River from Feather River to W.P.R.R. Interceptor	Maintained by R.D. No. 784.
(178) 11	Do	E. Levee R.D. 784 (W. Levee W.P.R.R. Interceptor) Bear River to intersection with W.P.R.R. in S $\frac{1}{2}$ Sec. 17, T. 14 N., R. 4 E.	Maintained by R.D. No. 784.
(179) (180) 11	Do	S. Levee American River from 16th St. Bridge to Mayhew except from S.N.R.R. to a point 800 ft. E. of W.P.R.R.	Maintained by American River Flood Control District.
(181) (182) (183) (184) (185) (186) (187) (188) 11	Do	W. Levee Yolo By-pass from Sacramento River to Putah Creek except from N. line Cache Cr. Settling Basin to S.N.R.R. & from old Willow Slough pipes south 1.48 mi.*	Maintained by State and R. D. #2035.
(190) 11	Do	N.&S. levees Willow Slough Interceptor*	Maintained by State and R. D. No. 2035.
(191) (192) 11	Do	N.&S. levees of Putah Creek	Maintained by State.
(197) (198) 11	Do	N.&S. levees Sycamore Slough from Sacramento River to Knights Landing Outfall Gates	Maintained by R.D. 730 and Sacramento River West Side Levee District.

(21)

4

Accepted
Items

No.	Date of Letter	Levee Location	Remarks
-----	----------------	----------------	---------

12 8 Dec. 1951

Five reaches of Ryer Island levee along Miner Slough as follows:

a. Junction Miner and Sutter Sloughs westerly 5000 feet.

b. From State Highway Bridge West. 3035 ft.

c. Spec. 1473, Sta. 53+00 to 64+00 about one mi. No. of Ryde Road. *Mile 29.4 to 29.6*

d. Spec. 1473, Sta. 0+00 to 12+00 being 600 ft. each side of Ryde Road. *Mile 30.4 to 30.6*

e. Ryer Island cut-off levee beginning at east bank of Cache Slough and extending upstream 3,300 feet at junction of Cache and Miner Sloughs.

Maintained by R.D. No. 501. All are completed separate contracts.

Covered by letter dated 16 Nov. 1951

321 → (79A) ✓

303 Covered by letter dated

(53A) ✓

304 17 Nov. 1951

(54A) ✓

(23) ✓

(50) ✓

*No waterway banks contiguous to these levees.

EARL WARREN
GOVERNOR

A. R. GALLAWAY, JR., SACRAMENTO
PRESIDENT

GROVER SHANNON, YUBA CITY
VICE PRESIDENT

GEO. H. HOLMES, CLARKSBURG
SECRETARY

W. P. HARKEY, GRIDLEY
GEO. R. WILSON, WALNUT GROVE
GEO. E. LODI, ARBUCKLE
DOUGLAS B. COHEN, BANTA

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

A. M. BARTON
CHIEF ENGINEER AND GENERAL MANAGER
EDMUND G. BROWN, ATTORNEY GENERAL
LEGAL ADVISER
G. F. MELLIN
ASSISTANT ENGINEER AND APPRAISER
S. A. HONAKER
ASSISTANT SECRETARY

May 6, 1952

Additional units transferred and accepted:
35A - below Hollenbecks { Transit 7-13-51
 { Accept. 7-19-50
77A - At Ferry { Transit 11-8-51
 { Accept. 11-23-51

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

Dear Sir:

1. Reference is made to your letter of 8 December 1951, File SPKKA 824.3 (Sac.Riv.F.C.P.) transferring to The Reclamation Board for operation and maintenance, 25 individual reaches of levee and contiguous waterway banks which surround Ryer Island.

2. Ryer Island, incorporated as Reclamation District No. 501, is a separate maintenance unit and has constructed and maintains its entire levee system at the sole cost of the landowners in the district. Navigation with tidal action is a material factor in bank deterioration on Cache and Steamboat Sloughs.

3. The east bank of Cache Slough from Junction Point to Miner Slough is the east bank of the Sacramento Deep Water Ship Channel. Shore protection in this location is considered to be a Federal obligation. Recent ship channel excavation in Cache Slough now requires shore protection work.

4. The Reclamation Board on December 18, 1951, accepted as contractual units completed by the Corps of Engineers, the following reaches of levee and banks contiguous thereto along the left bank of Miner Slough for flood control operation and maintenance:

Items 37 and 38 (Unit 37A) a. From the junction of Miner Slough with Sutter Slough westerly 5,000 feet.

(Unit 79A) b. From State Highway Bridge on north side of Ryer Island westerly 3,035 feet (Spec.1543).

(Unit 53A) c. Between Corps of Engineers Stations 53+00 and 64+00 (Spec.1473), being about one mile north of Ryde Road.

(Unit 54A) d. Between Corps of Engineers Stations 0+00 and 12+00 (Spec. 1473), being 600 feet each side of Ryde Road.

28 and 50 (Unit 14) e. Ryer Island cut-off levee at junction of Miner Slough with Cache Slough, beginning at the east bank of Cache Slough and

*Reach No. 37
Items 26 to 50*

*5/6/52
824.3 (Sac Riv FCP) SPE*

Unit 105

322

-2-

District Engineer
May 6, 1952

and extending easterly 3,300 feet.

5. The remaining separate reaches of Ryer Island levee and contiguous waterway banks sought to be transferred in the above letter are not accepted at this time. Reclamation District No. 501, as in the past, will continue to maintain its entire levee system. These separate reaches of levee and contiguous waterway banks do not constitute units practicable of separate maintenance. The Reclamation Board will accept contractual construction units as completed by the Corps of Engineers and will accept for flood control operation and maintenance, the entire Ryer Island levee system with contiguous waterway bank, except the east bank of Cache Slough (Sacramento Deep Water Channel), when the Federal construction obligation is complete.

It would appear that Miner Slough mileages could best begin at Mile 18 of Cache Slough and continue upstream to junction with Sutter Slough. This then would be in agreement with mileage notations on all other streams.

Yours very truly,


A. M. BARTON
Chief Engineer and General Manager
The Reclamation Board

cc: Chief of Engineers
Washington, D. C.

Division Engineer
So. Pacific Division
Corps of Engineers, U.S. Army
Box 3339, Rincon Annex
San Francisco 19, Calif.

State Engineer
Sacramento, Calif.

Wm F 105

Items 26 to 50

C
O
P
Y

SPKKO-F

C
O
P
Y

23 November 1966

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

THE RECLAMATION BOARD

ROOM 1335, RESOURCES BUILDING, 1416 9TH STREET • SACRAMENTO 95814



STANLEY W. KRONICK, *President*
J. J. MADIGAN, *Vice President*
WALLACE McCORMACK, *Secretary*
GEORGE W. NICKEL, JR.
HAROLD J. O'BANION
H. TERRILL SARTAIN
DONALD L. WEILER
COL. A. E. McCOLLAM, *General Manager*

DEC 23 1966

Refer to: 4130.60.104
Contract 66-102

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

Dear Sir:

Reference is made to your letter of November 23, 1966 concerning transfer to the State of California of the Sacramento River Bank Protection Project, Unit No. 9, Sites Mile 28.1, 22.2, 23.2 right bank Sutter Slough, Sites Mile 25.5, 24.0, 23.6 and 22.0 left bank Sutter Slough, and Sites Mile 5.2, 4.7, 4.0, 3.7, 3.0, 2.7, 2.0 and 1.4 left bank Miner Slough, in accordance with Specification No. 3155.

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

Sincerely yours,

A. E. McCollam
A. E. McCOLLAM
General Manager

JHMacC:pa

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Units 105, 110, 113

*Copy to Collier
of former 66-102*

2 October 1967

SPKKO-F

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

Gentlemen:

Reference is made to the joint inspection of 31 August 1967, made for the purpose of transferring a portion of the Sacramento River Bank Protection work (Unit #10), to the State of California for operation and maintenance.

The flood control work consisting of levee enlargement, bank sloping and placement of stone bank protection on Steamboat Slough at Site Miles 18.0, 20.0, 20.7, 20.9, & 21.3 left bank; and Site Miles 15.3, 19.3, 20.3, 21.4 & 21.8 right bank, is listed on the attached inclosure. The work was completed on 25 September 1967, in accordance with Specification No. 3156, Contract No. DA-04-167-CIVENG-66-149, 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.

The flood control work as described on 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, Supplements Nos. 104 & 105, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

CRAWFORD YOUNG
Colonel, CE
District Engineer

RC
ROMPALA/pp

[Signature]
COLEMAN

[Signature]
HENSON *TDS*

[Signature]

[Signature] YOUNG
[Signature] 3

Incl
Summary Sheet

Copy furnished:
Dept Water Resources

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

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

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

*Unit 78104
105*

SUMMARY OF SACRAMENTO RIVER BANK PROTECTION PROJECT
UNIT #10

<u>LEVEE UNIT SITE MILE</u>	<u>LEVEE ENLARGEMENT STATION</u>	<u>LINEAL FEET</u>	<u>STONE PROTECTION STATION</u>	<u>LINEAL FEET</u>	<u>ROCK TOE WALL STATION</u>	<u>LINEAL FEET</u>
---------------------------------	--------------------------------------	------------------------	-------------------------------------	------------------------	----------------------------------	------------------------

RIGHT BANK

105 {	15.3	7+00 to 15+00	800	7+00 to 15+00	800	
	19.3	198+50 to 207+06	856	198+50 to 207+06	856	
	20.3	251+00 to 254+52	352	251+00 to 254+52	352	
	21.4	55+75 to 71+50	1,575	71+50 to 55+75	1,575	56+50 to 58+25 67+20 to 68+50
	21.8	39+50 to 41+39	189	39+50 to 41+39	189	40+40 to 41+20
		3772'		3772'		

LEFT BANK

104 {	18.0	159+00 to 180+00	2,100	159+00 to 180+00	2,100	
	20.0	270+00 to 285+00	1,500	270+00 to 285+00	1,500	274+50 to 276+00
	20.7	308+00 to 310+48	248	308+00 to 310+48	248	
	20.9	315+00 to 328+00	1,300	315+00 to 328+00	1,300	
	21.3	337+00 to 346+00	900	337+00 to 346+00	900	
		6048'		6048'		

9820' STONE RETET.

9820' LEVEE ENLARGIE.

to Adm. Oct 1967.

Units 104, 105

THE RECLAMATION BOARD

ROOM 1335, RESOURCES BUILDING, 1416 9TH STREET • SACRAMENTO 95814



OCT 25 1967

4130.60.105

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

Dear Sir:

Reference is made to your letter of October 2, 1967 concerning transfer to the State of California of the Sacramento River Bank Protection Project, Unit No. 10, Sites Mile 18.0, 20.0, 20.7, 20.9, and 21.3 left bank Steamboat Slough and Sites Mile 15.3, 19.3, 20.3, 21.4 and 21.8 right bank Steamboat Slough, in accordance with Specification No. 3156.

The Reclamation Board, at its meeting of October 20, 1967, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

A handwritten signature in cursive script that reads "A. E. McCollam".

A. E. McCOLLAM
General Manager

JHMacC:pa

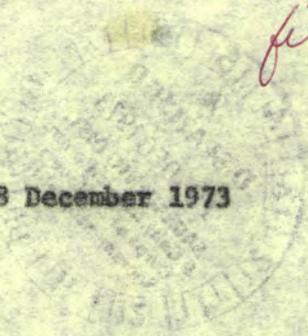
CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Units 104, 105

Clark file

SPKCO-0

18 December 1973



done

F & A (Jones)

Valley Res Ofc (2)

Engr (Levees & Channels)

Engr (Prog Dev)

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

Gentlemen:

Reference is made to the joint inspection of 13 December 1973 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit No. 25), to the State of California for operation and maintenance. This portion of flood control work consists of levee sloping and placement of stone protection work on Steamboat Slough left bank at Site Miles 16.0, 17.8, 18.3, 19.6, 20.7, 21.1, 22.2, and 22.5 and on Miner Slough left bank at Site Miles 0.6, 1.7, 2.2 and 3.3. The sites, as listed on the inclosure were completed on 13 December 1973, in accordance with Specification No. 4210, Contract No. DACW05-73-C-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 18 December 1973 to the State of California for operation and maintenance.

This portion of the project will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 104 and 105 Sacramento River Flood Control Project. Copies will be furnished your office at a later dated.

Sincerely,

RM
ROMPALA/jch
itel

CHRIST F. POTAMOS
Lieutenant Colonel, CE
Acting District Engineer

M. L.
COLEMAN

msf
HENSON

[Signature]
MCKINSEY

[Signature]
POTAMOS

- 2 Incl
- 1. As Stated
- 2. GO #5

Copy furnished:
DWR, ATTN: John Wright & Carl King

Units 104, 105

W

SUMMARY OF PORTION OF SACRAMENTO RIVER

BANK PROTECTION UNIT NO. 25

Miner Slough Left Bank

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L. F.</u>
0.6	252+00 to 255+27 - <i>changed to 256+37</i>	327 337
1.7	<i>change to 193+45</i> 194+00 to 199+35	535 590
2.2	164+00 to 169+00	500
3.3	102+00 to 107+50	550
		<u>1912</u> <u>1977</u>

Steamboat Slough Left Bank

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L. F.</u>
16.0	59+20 to 63+75	455
17.8	152+50 to 155+23	273
18.3	180+29 to 183+75	346
19.6	246+00 to 257+25	1125
20.7	310+25 to 315+15	490
21.1	328+25 to 335+15	690
22.2	394+70 to 399+00	430
22.5	404+25 to 409+50	525
		<u>4334</u>

Total 6246

Units 104, 105

Incl 1

C
O
P
Y

THE RECLAMATION BOARD
STATE OF CALIFORNIA

C
O
P
Y

January 7, 1974

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

Refer to: 4130.60.111

Dear Sir:

Reference is made to your letter of December 18, 1973, concerning the transfer of a portion of the Sacramento River Bank Protection Project, Unit No. 25, to the State of California, for operation and maintenance.

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 Site Miles 16.0, 17.8, 18.3, 19.6, 20.7, 21.1, 22.2 and 22.5 all on the left bank of Steamboat Slough and Site Miles 0.6, 1.7, 2.2 and 3.3 all on the left bank of Miner Slough.

The flood control work has been completed and was constructed in a workmanlike manner. This flood control work has been constructed in conformance with Drawing No. 50-4-4768, Specification No. 4210, and Contract No. DACW05-73-C-0046, insofar as could be determined visually.

The Reclamation Board at its regular meeting of January 4, 1974, formally accepted from the District Engineer for operation and maintenance, the completed flood control work on the above-referenced sites.

Sincerely yours,

/s/ Allen I. Wendroff
A. E. McCOLLAM
Chief Engineer and
General Manager

Clark file

SPKCO-0

18 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 18 November 1974, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit No. 25) to the State of California for operation and maintenance. This flood control work consists of levee sloping and placement of stone protection on the Sutter Slough right bank at Site Miles, 22.7, 23.3, 23.5, 23.7, 26.1, and 26.5. The sites, as listed on the inclosure, were completed on 18 November 1974 in accordance with Specification No. 4210, Contract No. DACW05-73-C-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 18 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. 105 and 113 Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

Rk
pk
ROMPALA/kh

1 Incl
As stated

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

McB
COLEMAN
HENSON

Copy furnished:
DWR-ATTN: John Wright & Carl King

Sam
McKENSEN

OCE
SPD

cc:
Engr (Lev & Chan)
(Prog Dev)
Valley Res Ofc
F&A (Grantham)

Units 105/113

POTAMOS
R
ROCKWELL

SUMMARY OF PORTION OF SACRAMENTO
RIVER BANK PROTECTION PROJECT UNIT #25
SUTTER SLOUGH RIGHT BANK

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L.F.</u>
22.7	13+00 to 17+00	400
23.3	-0+50 to 5+00	550
23.5	27+82 to 30+85	303
23.7	8+35 to 16+00	765
26.1	24+00 to 27+00	300
26.5	9+50 to 12+50	300

300
2618 OK.

Units 105, 113

C
O
P
Y

THE RECLAMATION BOARD
STATE OF CALIFORNIA

C
O
P
Y

December 4, 1974

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

Refer to: 4130.20.111

Dear Sir:

Pursuant to the authority invested in me by The Reclamation Board, I hereby accept from the District Engineer of the Sacramento River Bank Protection Project. The flood control work was transferred to the State of California by your letter of November 18, 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 Site Miles 22.7, 23.3, 23.5, 23.7, 26.1 and 26.5 Right Bank, Sutter Slough.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-4768, Specification No. 4210, and Contract No. DACW05-73-C-0046, insofar as could be determined visually.

Sincerely yours,

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



C
O
P
Y

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

C
O
P
Y

REPLY TO
ATTENTION OF

SPKCO-0

21 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 20 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 Steamboat Slough right bank at Site Miles 21.0, 20.9, and 18.3 ; on Sutter Slough right bank at Site Miles 27.9, 27.0, 26.4, and 22.6, and on Miner Slough right bank at Site Miles 6.5 and 6.0, and left bank at Site Miles 2.4 and 1.0. The sites as described on the inclosure, were completed on 20 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, 86 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 bank contiguous thereto, is transferred as of 21 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. 105 and 113, 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
Robert Potter

EXHIBIT F

SUMMARY OF SACRAMENTO RIVER BANK PROTECTION PROJECT
PORTION OF UNIT 31

<u>SITE MILE</u>	<u>STONE PROTECTION</u>	<u>L.F.</u>
	<u>Steamboat Slough Right Bank</u>	
21.0	0+00 to 4+25	425
20.9	12+40 to 18+70	630
18.3	0+00 to 6+80	680
	<u>Sutter Slough Right Bank</u>	
27.9	0+00 to 4+75	475
27.0	0+00 to 6+65	665
26.4	0+00 to 2+00	200
22.6	0+00 to 4+75	475
	<u>Miner Slough Right Bank</u>	
6.5	- 0+10 to 8+00	810
6.0	0+00 to 1+60	160
	<u>Miner Slough Left Bank</u>	
2.4	0+10 to 8+60	850
1.0	0+00 to 10+10	1010

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

PAUL L. CLIFTON
General Manager

CERTIFIED MAIL
RETURN RECEIPT REQUESTED



*Units 104, 105,
110, 113*

10/11/77



C
O
P
Y

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

C
O
P
Y

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 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 17.2 and 20.1; on Sutter Slough right bank at Site Miles 21.9, 22.3, 23.1, 23.4, 23.6, 24.2, 24.8, 25.0 and 27.8; on Miner Slough right bank at Site Miles 6.9 and 7.2, left bank at Site Miles 4.5, 5.1 and 7.6. 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 15 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 113(Revised), 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



COPY

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

COPY

REPLY TO
ATTENTION OF

SPKCO-0

30 November 1982

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

**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

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><input type="checkbox"/> INSURED <input type="checkbox"/> COD</p>	
<p>I have received the article described above.</p>			
<p>SIGNATURE <i>R. L. Manning</i></p>		<p>7a. EMPLOYEE'S INITIALS</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>7. UNABLE TO DELIVER BECAUSE:</p>	

SCHOLL

WANG #2977a

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

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*

CERTIFIED MAIL RETURN RECEIPT REQUESTED



January 13, 1988

Navigation and Flood Control Unit

The Reclamation Board
State of California
1416 - 9th Street, Room 435-8
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 86-645, 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 January 12, 1988 to the State of California for operation and maintenance.

in 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

Units 105, 110, 113

[Signature]
20 Jan
CZARZASTY

[Signature]
SCHOLL

WANG #9029

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
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.

J
FAST

DENNIS
DENNIS

Sincerely,

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

MASON
MASON
CZARZASTY
CZARZASTY

LE CUYER
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.



EXHIBIT G

SUGGESTED SEMI-ANNUAL REPORT FORM

EXHIBIT G

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

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

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

Dear Sir:

The semi-annual report for the period (1 May 19__ to 31 October 19__) (1 November 19__ to 30 April 19__) Unit No. 105 of the Sacramento River Flood Control Project (Levee of R.D. No. 501) 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 highwater periods (water level at 10.0 on the gage at Walnut Grove and 8.0 on the gage at Rio Vista) occurred on the following dates:

<u>Dates</u>	<u>Maximum Elevations</u>
_____	_____
_____	_____
_____	_____

EXHIBIT G
Sheet 1 of 2

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.

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 operation 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

EXHIBIT B
Sheet 2 of 2