

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

UNIT NO.114  
WEST LEVEE OF SACRAMENTO RIVER  
FROM NORTH BOUNDARY OF R.D. NO.765  
TO SOUTH BOUNDARY OF R.D. NO.307



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. 114**

**WEST LEVEE OF SACRAMENTO RIVER  
FROM NORTH BOUNDARY OF R. D. NO. 765  
TO SOUTH BOUNDARY OF R. D. NO. 307**

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

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

UNIT NO. 114

WEST LEVEE OF SACRAMENTO RIVER  
FROM NORTH BOUNDARY OF R.D. NO. 765  
TO SOUTH BOUNDARY OF R.D. NO. 307

<b>LOCATION</b>	<b>ADDITION OR REVISION</b>	<b>DATE</b>
1-04	Add subparagraph e – Contract No. 64-51	Oct 1964
Exhibit B	Add Drawing No. 50-4-3741	Oct 1964
Exhibit F	Add copy of letter of transfer dated 1 October 1964	Oct 1964
1-04	Add subparagraph f – Contract No. DACW05-69-C-0064	Feb 1970
Exhibit B	Add Drawing No. 50-4-4476	Feb 1970
Exhibit F	Add copy of letter of acceptance dated 13 November 1969	Feb 1970
1-04	Add subparagraph g – Contract No. DACW05-71-C-0021	Dec 1971
Exhibit B	Add Drawing No. 50-4-4378	Dec 1971
Exhibit F	Add copy of letter of acceptance dated 9 December 1971	Dec 1971
1-04	Add subparagraph h	Apr 1973
Exhibit B	Add Drawing No. 50-4-4487	Apr 1973
Exhibit F	Add copy of letter of acceptance dated 18 December 1972	Apr 1973
1-04	Add subparagraph i	Oct 1975
2-01	Add subparagraph c	Oct 1975
Exhibit B	Add Drawing No. 50-4-4687	Oct 1975
Exhibit F	Add copy of letter of acceptance dated 15 December 1973	Oct 1975
1-04	Add subparagraph j	Jan 1976
2-05	Revise page i and 8	Jan 1976
2-05	Add page 8a	Jan 1976
Exhibit B	Add Drawing No. 50-4-4809	Jan 1976
Exhibit F	Add copy of letter of acceptance dated 4 December 1973	Jan 1976
1-04	Add subparagraph k	Mar 1978
2-01	Delete subparagraph c (1975)	Mar 1978
2-05	Revise page i and 8a	Mar 1978
2-06	Add environmental protection	Mar 1978
Exhibit B	Add Drawing No. 50-4-4898	Mar 1978

<b>LOCATION</b>	<b>ADDITION OR REVISION</b>	<b>DATE</b>
Exhibit F	Add copy of letter of acceptance dated 29 January 1976	Mar 1978
1-04	Add subparagraph l	Sep 1983
Exhibit B	Add Drawing No. 50-4-5347	Sep 1983
Exhibit F	Add copy of letter of transfer dated 7 April 1981	Sep 1983
1-04	Revise subparagraph k	Feb 1984
1-04	Add subparagraph m	Aug 1990
Exhibit B	Add Drawing No. 50-4-5697	Aug 1990
Exhibit F	Add copy of letter of transfer dated 13 Dec 1985	Aug 1990
1-04	Add subparagraph n	Jan 2009
Exhibit B	Add Plan Sheets G-1, C-1 to C-4 (5 sheets)	Jan 2009
Exhibit F	Add copy of letter of transfer dated 24 Nov 2010	Jan 2009
Exhibit F	Add copy of letter of transfer dated 10 Dec 1948	21 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 22 Dec 1948	21 Dec 2010
Exhibit F	Add copy of letter of transfer dated 6 Dec 1951	21 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 18 Dec 1951	21 Dec 2010
Exhibit F	Add copy of letter of (partial) acceptance dated 2 Apr 1952	21 Dec 2010
Exhibit F	Add copy of letter of transfer dated 3 Mar 1955	21 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 11 Apr 1955	21 Dec 2010
Exhibit F	Add copy of letter of transfer dated 30 Oct 1969	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 18 Nov 1971	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 29 Nov 1972	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 4 Dec 1972	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 16 Nov 1973	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 15 Jan 1976	7 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 30 Apr 1981	7 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 18 Mar 1986	7 Mar 2011
1-04	Add subparagraph o	7 Mar 2011
Exhibit B	Add drawing no. 50-4-5874	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 16 Nov 1989	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 29 Nov 2016	29 Dec 2016

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	2
1-06	Assurances Provided by Local Interests	2
1-07	Transfer to the State Reclamation Board	2
1-08	Superintendent	3
<u>SECTION II – FEATURES OF THE PROJECT SUBJECT TO FLOOD CONTROL REGULATIONS</u>		
2-01	Levee	4
2-02	Drainage and Irrigation Structures	4
2-03	Channel	6
2-04	Miscellaneous Facilities	7
2-05	Levee – Revegetation	8 *
2-06	Environment Protection	8a **
<u>SECTION III – REPAIR OF DAMAGE TO PROJECT WORKS AND METHODS OF COMBATING FLOOD CONDITIONS</u>		
3-01	Repair of Damage	9
3-02	Applicable Methods of Combating Floods	9

\*Revised Jan 1976

\*\*Revised Mar 1978

## EXHIBITS

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

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

UNIT NO. 114

WEST LEVEE OF SACRAMENTO RIVER  
FROM NORTH BOUNDARY OF R.D. NO. 765  
TO SOUTH BOUNDARY OF R.D. NO. 307

SECTION I

INTRODUCTION

1-01. Location: The improvement covered by this manual is that part of the Sacramento River Flood Control Project which comprises the levee and channel along the west side of the Sacramento River from the north boundary of Reclamation District No. 765 to the south boundary of Reclamation District No. 307, near Clarksburg, California. The levee of this unit lies within Reclamation Districts No. 765 and 307 as shown on the location map, Exhibit A-1.

1-02. Protection Provided: The levee of this unit provides direct protection to adjacent agricultural land and the town of Clarksburg, California, against flood waters of the Sacramento River, and is an essential feature of the Sacramento River Flood Control Project. The grade of the adopted flood plane profile in the Sacramento River varies from elevation 32.0 at the north boundary of Reclamation District No. 765 (Mile 51.25) to elevation 28.0 at the south boundary of the Reclamation District No. 307 (Mile 43.0). Elevations are referred to U.S. Corps of Engineers datum. This reach of the Sacramento River has a project design capacity of 110,000 cubic feet per second. The levee provides for a freeboard of at least three feet above the adopted flood plane profile within this unit.

1-03. Project Works: The flood control improvement covered by this manual is a part of the Sacramento River Flood Control Project authorized by the Flood Control Act of 1917, as modified by the Acts of 1928, 1937, and 1941, and consists of the west levee (right bank) and channel of the Sacramento River from Mile 51.25 to Mile 43.0, a distance of 8.25 miles. The above described levee has been constructed by local interests and portions as shown on the drawings of Exhibit B were enlarged, setback or repaired by the Corps of Engineers to projected standards.

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

a. Bank protection work at Glide's Landing at Mile 48.4 right bank was completed in 1939 under Job Order No. 552. [Drwg. 50-4-1734](#)

b. Bank protection work near Lisbon Pump at Mile 43.0 right bank was completed in 1939 under Job Order No. 553. [Drwg. 50-4-1744](#)

c. Levee setback and bank protection work on the west levee of the Sacramento River from Mile 50.4 to Mile 50.9 (Part "C") was accomplished under Contract No. W-04-167-eng-1371 by A. Teichert & Son during the period from 8 January 1948 to 2 November 1948. [Drwg. 50-4-2370](#)

d. Levee construction, west levee of the Sacramento River in R.D. No. 307 and R.D. No. 765, was accomplished under Contract No. DA-04-167-eng-1145 by H. Earl Parker, Inc., during the period from 2 July 1954 to 15 August 1955. [Spec. 1815, Drwg. 50-4-2948](#)

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

f. Stone protection on the right bank of the Sacramento River at Site Mile 45.9 was accomplished under Contract No. DACW05-69-C-0064 by James L. Ferry & Son during the period from 26 May 1969 to 20 October 1969. Specification No. 3649, Drawing No. 50-4-4476.

g. Bank sloping and stone protection on the right bank of the Sacramento River at Site Mile 51.3 (a portion of Unit No. 19, Sacramento River Bank Protection Project) was accomplished under Contract No. DACW05-71-C-0021 by James L. Ferry and Son during the period from 26 August 1970 to 20 December 1971. Specification No. 3427, Drawing No. 50-4-4378.

h. Stone protection, selective clearing, and levee bank sloping on the right bank of the Sacramento River at site Miles 44.9, 45.9 and 46.3 (a portion of Unit No. 21, Sacramento River Bank Protection Project) was accomplished under Contract No. DACW05-72-C-0046 by Eugene Luhr and Company during the period from 31 January 1972 to 5 January 1973. Specification No. 3680, Drawing No. 50-4-4487.

i. Bank protection and selective clearing on the right bank of the Sacramento River at Site Miles 44.0 and 45.5 (Unit No. 23) was accomplished under Contract No. DACW05-73-C-0012 by James L. Ferry and Son during the period from 1 August 1972 to 10 July 1974. Specification No. 4041, Drawing No. 50-4-4687.

j. Landscape work consisting of planting groups of trees and shrubs on the right bank of the Sacramento River at Site Miles 44.9, 45.5, and 45.9 (a portion of Unit No. 21L, Sacramento River bank Protection Project) was accomplished under Contract No. DACW05-73-C-0061 by Bray and Cushing during the period from 27 November 1972 to 26 November 1973. Specification No. 4421, Drawing No. 50-4-4809.

k. Bank protection and selective clearing on the right bank of the Sacramento River at Site Mile 50.4, (a portion of Unit No. 28) was accomplished under Contract No. DACW05-76-C-0015 by James L. Ferry and Son during the period from 25 August 1975 to 27 December 1976. Specification No. 4559, Drawing No. 50-4-4898. \* Rev. Feb 1984

l. Bank sloping, stone protection and selective clearing on the right bank of the Sacramento River at Site Miles 44.4, 45.4, 45.6 and 47.6 (a portion of Unit 33) was accomplished under Contract No. DACW05-77-C-0101 by Dutra Construction Company, Inc. Construction was completed on 12 October 1980, Specification No. 5269, Drawing No. 50-4-5347.

m. Bank sloping, stone protection and selective clearing on the right bank of the Sacramento River Site Miles 45.2, 44.9, and 43.9 (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.

n. Stone protection, at 5 sites on the right bank levee of the Sacramento River, was accomplished under Contract No. W91238-08-D-0018 (Task Order No. 0002) by Erick Ammon Inc. and performed under the general authority of the Flood and Coastal Storm Emergencies Act, Public Law 84-99. All construction activities were completed on October 16, 2008. The location and length of the repair sites within Reclamation District 765 are described in Table 1. Specifications: P.L. 84-99 Levee Rehabilitation Repairs. Drawings: "PL 84-99 Levee Rehabilitation Repairs, CY2007 Order 3-4 Sites, Reclamation District 765, As-Built Drawings".

**TABLE 1: RECLAMATION DISTRICT 765**

SITE	COORDINATES (NAD 83)				SITE LENGTH (FT)
	(N)	(W)	(N)	(W)	
002	38.49770,	-121.56019	to 38.49738,	-121.56012	88
003	38.49682,	-121.56000	to 38.49594,	-121.55954	275
004	38.49709,	-121.55998	to 38.49491,	-121.55889	90
005	38.49491,	-121.55889	to 38.49452,	-121.55851	115
006	38.49009,	-121.55551	to 38.48965,	-121.55534	292

o. Bank sloping and stone protection on the right bank of the Sacramento River, Site Mile 43.5 was completed on 8 November 1989 under Contract No. DACW05-89-C-0037 by J.E. McAmis, Inc.. Specification No. 8259, Drawing No. 50-4-5784.

1-05. Flood Flows: For purposes of this manual, the term “flood” or “high water period” shall refer to flows when the water surface reaches or exceeds a reading of 20.0 on the Department of Water Resources weekly water stage recorder and staff gage located on the right bank of the Sacramento River on the dock of the American Crystal Sugar Company Clarksburg. Gage set on U.S. Corps of Engineers 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. 114 was transferred to the Reclamation board of the State of California by letter dated 7 December 1955, as shown on copy of letter, 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.

SECTION II

FEATURES OF THE PROJECT SUBJECT TO FLOOD CONTROL REGULATIONS

2-01. Levees:

a. Description. The levee along the right bank of the Sacramento River is located as described in paragraph 1-01 and 1-03 of this manual. A paved county road traverses the crown of the levee for the full distance within this unit. For more complete detail in construction of the above-mentioned levee, refer to the “As Constructed” drawings of Exhibit B.

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

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

2-02. Drainage and Irrigation Structures:

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

Location River Mileage	Size of Steel Pipe	Gate Location	Other Structure Description		Invert-Ft. below crown
50.77	16”	L.S.	Pump R.S.	R.D. 765	23.8
50.29	16”	R.S.	Pump L.S.	“	14.3
50.15	6”	--	--	“	2.5
50.08	6”	--	--	“	15.0
49.68	16”	--	Pump R.S.	“	20.3
49.17	20”	L.S.	Pump R.S.	R.D. 307	18.7

Location : River : Mileage :	Size of Steel : Pipe :	Gate : Loca- : tion :	Other Structure Descrip- : tion :	Invert-ft. elow crown
48.69	14"	-	Pump R.S. R.D. 307	4.2
48.53	20"	L.S.	Pump R.S.	7.4
48.06	8"	L.S.	Pump R.S.	15.3
47.93	10"	R.S.	Pump R.S.	11.4
47.78	8"	L.S.	Pump L.S.	15.7
47.56	8"	L.S.	Pump L.S.	14.7
47.38	6"	-	--	2.5
47.23	8"	R.S.	Pump L.S.	15.1
47.17	6"	-	Pump R.S.	3.0
47.07	10"	L.S.	Pump L.S.	10.8
47.02	8"	L.S.	Pump L.S.	12.4
46.86	8"	L.S.	Pump L.S.	13.7
46.51	10"	L.S.	Pump L.S.	13.9
46.33	24"	R.S.	Pump R.S.	14.0
46.29	8"	L.S.	Pump L.S.	11.7
46.14	8"	L.S.	Pump L.S.	11.8
46.07	10"	L.S.	Steel plate welded on each end	3.9
45.98	7"	L.S.	Pump L.S.	14.7
45.92	12"	-	Pump R.S.	6.0
45.91	6"	-	Abandoned-wood plate bolted on L.S. end	16.5
45.67	14"	R.S.	Pump R.S.	15.2
45.59	6"	L.S.	Pump L.S.	Low
45.51	6"	L.S.	Pump L.S.	13.5
45.46	7"	L.S.	Pump L.S.	12.0
45.35	8"	L.S.	Pump L.S.	11.7
45.26	6"	L.S.	Pump L.S.	12.7
45.22	6"	L.S.	Pump L.S.	15.5
45.11	6"	L.S.	Pump L.S.	13.5
44.99	10"	L.S.	Pump L.S.	12.8
44.85	6"	L.S.	Pump L.S.	13.5
44.75	6"	-	Pump R.S.	1.5
44.70	6"	R.S.	Pump R.S.	7.5
44.56	6"	R.S.	Pump R.S.	5.5
44.42	8"	-	Welded cap R.S.	17.7
44.33	6"	R.S.	Pump L.S.	14.5
44.19	6"	L.S.	Pump L.S.	14.5
44.08	8"	L.S.	Pump L.S.	12.7
		& R.S.		

Location : River : Mileage :	Size of : Steel : Pipe :	Gate : Loca- : tion :	Other Structure Descrip- : tion :	Invert-Ft. : below : crown :	
43.87	10"	L.S.	Pump L.S.	R.D. 307	16.8
43.66	6"	R.S.	Pump R.S.	"	10.5
43.57	20"	L.S.	Pump L.S.	"	14.7
43.38	8"	L.S.	Pump L.S.		15.8
43.14	10"	L.S.	Pump L.S.		13.8
43.08	2-36"	L.S. & R.S.	Drainage Pump L.S.		16.0

Note on abbreviations:

L.S. = Landside  
R.S. = Riverside

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

(1) Maintenance - paragraph 5-02 of the Standard Manual.

(2) Check Lists - Exhibit E of this Supplement Manual.

(3) Operation - paragraph 5-04 of the Standard Manual.

(4) Additional Requirements - paragraph 5-05 of the Standard Manual.

(5) Safety Requirements - paragraph 5-06 of the Standard Manual.

2-03. Channel:

a. Description. The floodway of the Sacramento River within this unit is confined between levees along both banks and the average width is about 500 feet. The project design capacity of the channel is as indicated in paragraph 1-02 of this manual.

Since the channel of the Sacramento River within this unit is utilized for navigable purposes, the responsibility for inspection, maintenance and operation of the channel 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 20.0 on the gage on the dock of the American Sugar Company 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 the dock reaches the gage reading indicated above and record the time of the observations. One copy of the readings shall be forwarded to the District Engineer immediately following the flood, and a second copy transmitted as an inclosure to the semi-annual report in compliance with paragraph 3-05 of the Standard Manual.

#### 2-04. Miscellaneous Facilities:

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

##### (1) Bridges

(a) A bridge crossing the Sacramento River near Freeport at approximate river Mile 46.0.

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

**(3) Hydrographic Facilities.**

(a) A weekly water stage recorder and staff gage located on the right bank of the Sacramento River on the dock of the American Crystal Sugar Company. This gage to be maintained by the State Department of Water Resources.

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

- (1) Maintenance - paragraph 7-02 of the Standard Manual.
- (2) Check Lists - paragraph 7-03 of the Standard Manual.
- (3) Operation - paragraph 7-04 of the Standard Manual.

**2-05. Levee Re-Vegetation.**

\*

a. Description. The waterside slope and berm has been planted with trees and shrubs for a total length of about 2,965 feet along the right bank of the Sacramento River at river miles 44.9, 45.5, and 45.9. For more details, see drawings of EXHIBIT B (Drawing No. 50-4-4809). Aesthetic and functional considerations were requisites in the designing and planting on levee slopes and berms and should be the guide line in the maintenance which follows. Landscaped areas should be maintained as originally planted unless experience indicates a change should be made. Some of the requirements are as follows:

- (1) After each flood season (15 April), the plant basins should be restored to original condition to permit watering.
- (2) From May through October of each year, watering will be required in an amount to maintain sufficient water in the root zone of trees and shrubs to maintain growing conditions during the growing season.
- (3) Grass and weeds should be hoed or trimmed in a 5-foot radius around trees and shrubs to maintain a fire guard.
- (4) An application of fertilizer should be applied yearly during the month of April. (Suggest application of 1/2 pound of 11-8-4 per tree and 1/4 pound of 11-8-4 per shrub.) Fertilizer should not be placed within 6 inches of the stem of the plant. Rake fertilizer lightly into the soil.

- (5) The lower limbs of the trees shall be pruned from the main trunk to a point 5 feet above the ground. \*
- (6) Tree stakes and ties should be checked at intervals to prevent girdling. The ties should be loosened as the tree expands, or replaced as old ties break. Sufficient looseness should be left in the tie to permit movement and growth of the trees. Remove stakes when the trees no longer need support.
- (7) If some trees expire, replacement will not be necessary as sufficient trees were planted with expectation that some would die.

2-06. Environment Protection.

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

### SECTION III

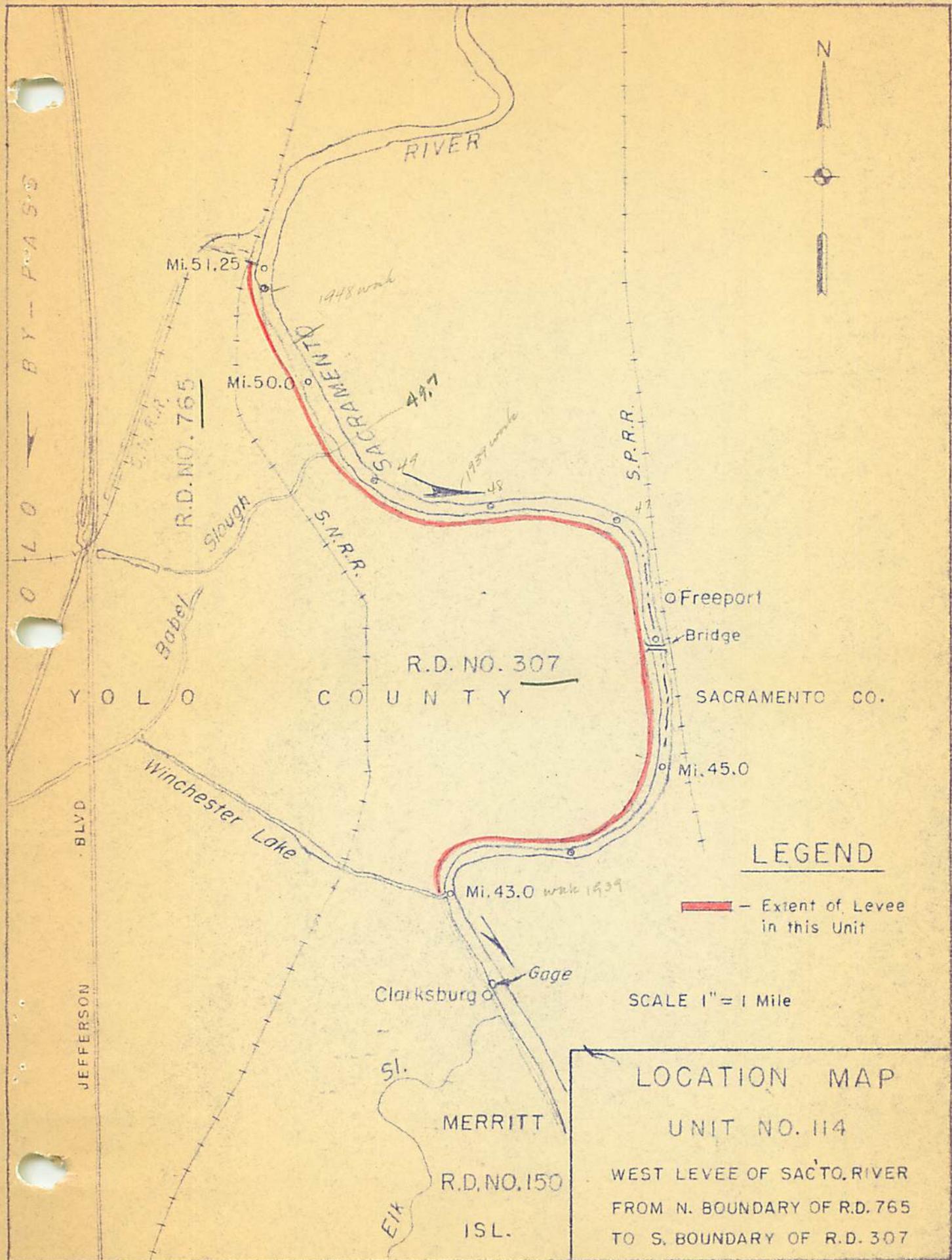
#### REPAIR OF DAMAGE TO PROJECT WORKS AND METHODS OF COMBATING FLOOD CONDITIONS

3-01. Repair of Damage: In the event of serious damage to the project works, whether due to flood conditions or other causes, and which may be beyond the capability of local interests to repair, the Superintendent will contact a representative of the Department of Water Resources, State of California, who coordinates maintenance of project works of the Sacramento River Flood Control Project. The State representative will give assistance or advice, or will determine appropriate action to be taken.

3-02. Applicable Methods of Combating Floods: For applicable methods of combating flood conditions, reference is made to Section VIII of the Standard Operation and Maintenance Manual, revised May 1955, where the subject is fully covered.

**EXHIBIT A**  
**FLOOD CONTROL REGULATIONS**  
**(See Standard Manual)**

**EXHIBIT A**  
**Unattached**



LOCATION MAP  
 UNIT NO. 114  
 WEST LEVEE OF SAC'TO. RIVER  
 FROM N. BOUNDARY OF R.D. 765  
 TO S. BOUNDARY OF R.D. 307

## EXHIBIT B

### “AS CONSTRUCTED” DRAWNGS

See separate folder for the following drawings:

<u>File No.</u>	<u>Title</u>
6-13-1100	Sacramento River from Sacramento to Collinsville, sheets 4, 5, 6 and 7.
50-4-1734	Bank Protection at Glide’s Landing Mile 48.4R, 1 sheet.
50-4-1744	Bank Protection near Lisbon Pump Mile 43.0R, 1 sheet.
50-4-2370	Levee Setback and Bank Protection West Levee Sacramento River Mile 50.4 to Mile 50.9, 1 sheet.
50-4-2948	Levee Construction West Levee Sacramento River, Reclamation Districts No. 307 and 765, Sheets 1 thru 14, incl.
50-4-3741	Stone protection at various locations between Sacramento and Rio Vista, sheet 12.
50-4-4476	Bank Protection, Critical Locations, Right and Left Banks , Sacramento River, Mile 12.4 Left to Mile 53.3 Right, in 12 sheets. (Mile 45.9)
50-4-4378	Bank Protection, Various Locations, Left Bank, Sacramento River between mile 24.7 and 53.7, in 23 sheets. (Mile 51.3)
50-4-4487	Bank Protection, Various Locations, Right and Left Banks, Sacramento River from mile 53.3 to Rio Vista, in 24 sheets. (Miles 44.9, 45.9, 46.3)
50-4-4687	Bank Protection, Various Locations Right and Left Banks, Sacramento River Mile 55.0 to Mile 16.0, in 28 sheets. (Miles 44.0, 45.5)
50-4-4809	Bank Protection, Landscape Plantings, Right Bank, Sacramento River Site Miles 44.9, 45.5 and 45.9, in 2 sheets.
50-4-4898	Bank Protection, Various Locations Right and Left Banks, Sacramento River between Mile 12.0 and Mile 58.0 in 43 sheets. (Mile 50.4)
50-4-5347	Bank Protection, Various Locations, Right and Left Banks, Sacramento River Mile 15.0 to Mile 60.0, in 33 sheets.
50-4-5697	Bank Protection, Various Locations, Right and Left banks, Sacramento River Mile 0.0 to 62.0 and tributaries, in 55 sheets.

50-4-5784

Bank Protection, Contract 42, Right and Left Banks, Sacramento River  
Mile 7.8 to Mile 56.0 and Tributaries, in 75 sheets.

None

PL 84-99 Levee Rehabilitation Repairs, CY2007 Orders 3-4 Sites,  
Reclamation District 765, Yolo County, California, in 5 sheets.

**EXHIBIT C**

**PLATES OF SUGGESTED FLOOD FIGHTING METHODS**

**(See Standard Manual.)**

**EXHIBIT C**

**Unattached**

**EXHIBIT D**  
**CHECK LIST NO. 1**  
**LEEVE 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.

**EXHIBIT E**

**Sheet 1 of 9**

CHECK LIST NO. 2

UNIT NO. 114

R. D. No. 307 and 765

Inspector's Report Sheet No. \_\_\_\_\_ Inspector \_\_\_\_\_

Date \_\_\_\_\_ Superintendent \_\_\_\_\_

Item	Remarks
(a) Location by Station	
(b) Settlement, sloughing, or loss of grade	
(c) Erosion of both slopes of levee	
(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	

EXHIBIT E

Sheet 2 of 9

Instructions for Completing Sheet 2, Exhibit E

- 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 section, 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 or 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.

EXHIBIT E

Sheet 3 of 9

CHECK LIST NO. 3

CHANNEL AND RIGHT-OF-WAY

UNIT NO. 114

R. D. No. 307 and 765

Inspector's Report Sheet No. \_\_\_\_\_ Inspector \_\_\_\_\_

Date \_\_\_\_\_ Superintendent \_\_\_\_\_

Items	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

- 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.

EXHIBIT E

Sheet 5 of 9

CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

Inspector's Report Sheet No. \_\_\_\_\_

UNIT NO. 114

Inspector \_\_\_\_\_

Date \_\_\_\_\_

Superintendent \_\_\_\_\_

(a) Location by river 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
50.77	Right						R.D. 765
50.29	"						"
50.15	"						"
50.08	"						"
49.68	"						R.D. 307
49.17	"						"
48.69	"						"
48.53	"						"
48.06	"						"
47.93	"						"
47.78	"						"
47.56	"						"
47.38	"						"
47.23	"						"
47.17	"						"
47.07	"						"
47.02	"						"

CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

Inspector's Report Sheet No. \_\_\_\_\_

UNIT NO. 114

Inspector \_\_\_\_\_

Date \_\_\_\_\_

Superintendent \_\_\_\_\_

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Location by River Mileage	Bank	Debris or other obstruction to flow	Damage or settlement of pipe or conduit	Condition of concrete headwall or invert paving	Condition of right-of-way adjacent to structure	Repair measures taken since last inspection	Comments
46.86	Right						R.D. 307
46.51	"						"
46.33	"						"
46.29	"						"
46.14	"						"
46.07	"						"
45.98	"						"
45.92	"						"
45.91	"						"
45.67	"						"
45.59	"						"
45.51	"						"
45.46	"						"
45.35	"						"
45.26	"						"
45.22	"						"
45.11	"						"
44.99	"						"

CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

Inspector's Report Sheet No. \_\_\_\_\_

UNIT NO. 114

Inspector \_\_\_\_\_

Date \_\_\_\_\_

Superintendent \_\_\_\_\_

(a)	Location by River Mileage	44.85 44.75 44.70 44.56 44.52 44.33 44.19 44.08 43.87 43.66 43.57 43.38 43.14 43.08
(b)	Bank	Right " " " " " " " " " " " " " " " "
(c)	Debris or other obstruction to flow	
(d)	Damage or settlement of pipe or conduit	
(e)	Condition of concrete head wall or invert paving	
(f)	Condition of right-of-way adjacent to structure	
(g)	Repair Measures Taken Since Last Inspection	
(h)	Comments	R.D. 307 " " " " " " " " " " " " " " " "

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

EXHIBIT E

Sheet 9 of 9

EXHIBIT F

LETTER 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

<b>Standard O&amp;M Manual Sacramento River Flood Control Project</b>	
<b>Unit No.</b>	<b>Project Name</b>
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**

<b>Unit No.</b>	<b>Project Name</b>
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



DEPARTMENT OF THE ARMY  
U.S. Army Engineer District, Sacramento  
Corps of Engineers  
1325 J Street  
Sacramento, California 95814-2922

REPLY TO  
ATTENTION OF

Flood Protection and Navigation Section

NOV 24 2010

Mr. Jay Punia, Executive Officer  
Central Valley Flood Protection Board  
3310 El Camino Avenue, Room 151  
Sacramento, California 95821

Dear Mr. Punia:

The U.S. Army Corps of Engineers completed a portion of work under PL 84-99, Flood Control and Coastal Emergencies (FCCE) (33 U.S.C. 701n) (69 Stat. 186) for emergency management activities. Repairs were made to rehabilitate various sites within RD 765. Additional information about the repair and location of the site(s) may be found in the document titled, "Project Information Report for Public Law 84-99 Levee Rehabilitation, Reclamation District 765, Order 3, and 4 Sites (Final)", dated January 7, 2008.

The rehabilitation meets the requirements of the existing Operation and Maintenance Manuals (O&M) and enclosed revisions. The subject flood damage reduction project is considered complete as of the date of this letter. The repairs were completed under Contract Number W91238-08-D-0018, Task Order Number 2. As-constructed drawings and revisions to the Operation and Maintenance Manual are enclosed. The Central Valley Flood Protection Board shall continue to operate and maintain the completed Rehabilitation Effort as part of the project.

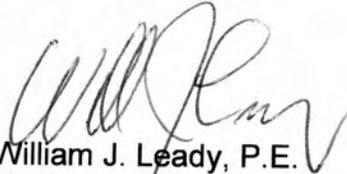
Mitigation plantings for the above work are required but have not been completed. The estimated completion date for the plantings is Spring 2011. All mitigation plantings will be ETL 1110-2-571 compliant. After completion of the plantings, a separate letter with addendum and as-builts will be sent to you.

If you have any questions regarding this project, please contact Ms. Paige Caldwell (916) 557-6919 or Ms. Christy Jones (916) 557-7107, Readiness Section. If you have any questions regarding this transfer, please contact Mr. Ryan Larson at (916) 557-7568 or Mr. Robert Murakami at (916) 557-6738, Flood Protection and Navigation Section.

Unit 114

A copy of this letter is being furnished to Reclamation District 765, 8780 Auburn-Folsom Road, Granite Bay, CA 95746.

Sincerely,

A handwritten signature in black ink, appearing to read "William J. Leady". The signature is fluid and cursive, with the first name being the most prominent.

William J. Leady, P.E.  
Colonel, U.S. Army  
District Commander

Enclosure

cc: CESPCK-CO-E (Jones)

MURAKAMI

LARSON *RL*

NAGY *WJW*

CALDWELL *EPL*

OLSEN *RO*

MAHONEY *Linon*

*NW* FAUSTINO *A*

~~ASD~~ MULLINS *Jim*

LEADY

W:\FP&Nav\ICW\Transfer Letters\RD 0765\Transfer Letter Unit 114 RD 765.doc

*Unit 114*

November 16, 1989

Navigation and Flood Control Unit

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

*not*

Members of the Board:

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

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

*11-14-89*  
ROMPALA/mt

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

*in for*  
KELLY  
A. SMITH  
*[Signature]*  
HEIN

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

FAST

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

Sincerely,

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

DENNIS  
MASON  
*[Signature]*  
Le CUYER

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

Copies Furnished:

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

PC#LTRUNIT42

*2*



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

MAR 18 1986

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

Dear Colonel Scholl:

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

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

## SACRAMENTO RIVER

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

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

## STEAMBOAT SLOUGH

Left Bank: Site Mile 25.3

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

## SUTTER SLOUGH

Right Bank: Site Mile 22.0

## GEORGIANA SLOUGH

Left Bank: Site Mile 12.1

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

Colonel Wayne J. Scholl  
Page 2

MAR 18 1986

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

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

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

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

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

Sincerely,



RAYMOND E. BARSCH  
General Manager

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

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

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

December 13, 1985

Navigation and Flood Control Unit

*not*

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

Members of the Board:

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

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

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

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



-2-

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

Sincerely,

Wayne J. Scholl  
Colonel, Corps of Engineers  
District Engineer

12-13  
ROMPALA/mg

REC  
KELLY

Copies Furnished:

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

A. SMITH

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

HEP  
FAST  
DEWIS  
COLLAM

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>	

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

SCHOLL

WANG #2977a

DEPARTMENT OF WATER RESOURCES  
THE RECLAMATION BOARD

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



APR 30 1981

Colonel Paul F. Kavanaugh  
District Engineer  
Sacramento District  
U. S. Army Corps of Engineers  
650 Capitol Mall  
Sacramento, CA 95814

Dear Colonel Kavanaugh:

The Reclamation Board at its regular meeting of April 17, 1981, formally accepted the completed flood control work from the District Engineer. This work is a portion of Unit No. 33 of the Sacramento River Bank Protection Project. The work was transferred to the State of California by your letter of April 7, 1981.

The flood control work was constructed in a workmanlike manner and in conformance with File No. 50-4-5347, Specification No. 5269, and Contract No. DACW05-77-C-0101 insofar as could be determined visually, at Sites Miles 16.5, 18.2, 32.5, 34.1 and 34.5 Left Bank, and 44.4, 45.4, 45.6 and 47.6 Right Bank, Sacramento River.

Sincerely,

*Eldon E. Rinehart*  
ELDON E. RINEHART  
General Manager

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED



*Units 102, 103, 111, 114*

*EMG*



C  
O  
P  
Y  
REPLY TO  
ATTENTION OF SPKCO-0

C  
O  
P  
Y  
**DEPARTMENT OF THE ARMY**  
SACRAMENTO DISTRICT, CORPS OF ENGINEERS  
650 CAPITOL MALL  
SACRAMENTO, CALIFORNIA 95814

7 April 1981

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

Gentlemen:

This is in regard to the joint inspection of 26 March 1981 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 33), to the State of California for operation and maintenance. The flood control work consists of levee bank sloping and placement of stone protection on the Sacramento River left bank at Site Miles 16.5, 18.2, 32.5, 34.1, and 34.5 and right bank at Site Miles 44.4, 45.4, 45.6, and 47.6. The sites described in the inclosure were completed on 26 March 1981 in accordance with Contract No. DACW05-77-C-0101, Specification No. 5269 and Drawing No. 50-4-5347.

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 26 March 1981 to the State of California for operation and maintenance.

This portion of work completes all sites under Unit 33 and will be added by amendment to the Operation and Maintenance Manual, Supplements Nos. 102, 103, 111, and 114, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

1 Incl  
1. Summary Sac Rv Bk  
Prot Proj Unit 33

HENRY LEE  
Lieutenant Colonel, CE  
Acting District Engineer

Copy furnished: w/Incl  
DWR, ATTN: G. Piazza; DWR, ATTN: D. Meixner

EXHIBIT F

Summary of Sacramento River  
Bank Protection Project  
Portion of Unit 33  
Sacramento River

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L.F.</u>
16.5 left bank	22+85 to 25+45	260
18.2 left bank	27+00 to 30+25	325
32.5 left bank	3+65 to 18+00	1435
34.1 left bank	28+00 to 36+35	835
34.5 left bank	15+50 to 18+20	270
44.4 right bank	0+85 to 7+75	690
45.4 right bank	30+00 to 41+00	1100
45.6 right bank	11+80 to 23+00	1120
47.6 right bank	4+10 to 12+00	790

C  
O  
P  
Y

STATE OF CALIFORNIA  
THE RECLAMATION BOARD

C  
O  
P  
Y

January 29, 1976

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

Dear Sir:

The Reclamation Board at its regular meeting of January 23, 1976, formally accepted from the District Engineer the completed flood control work on a portion of Unit No. 28 of the Sacramento River Bank Protection Project. The flood control work was transferred to the State of California by your letter of January 15, 1976.

The flood control work consisted of selective clearing, bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Sites Miles 50.4, 51.6, 56.0, 57.1 Right Bank and Sites Miles 40.3, 41.6 Left Bank, Sacramento River.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-4898, Specification No. 4559 and Contract No. DACW 05-76-C-0015, insofar as could be determined visually.

The irrigation facilities at Sites Miles 50.4 Right Bank and 40.3 Left Bank, Sacramento River, are not complete. It is understood that these facilities will be completed and transferred at a later date.

Sincerely,

/s/ P. C. Walters  
P. C. WALTERS  
Chief Engineer and  
General Manager

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

SPECO-0

15 January 1976

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

*Jme*

Gentlemen:

Reference is made to the joint inspection of 14 January 1976, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit No. 28) to the State of California for operation and maintenance. This flood control work consists of bank sloping and placement of stone protection on the Sacramento River left bank at Site Miles 40.3 and 41.6 and right bank at Site Miles 50.4, 51.6, 56.0 and 57.1. The sites, as listed on the inclosure, were completed on 14 January 1976 with the exception of the irrigation facilities, in accordance with Specification No. 4559, Contract No. DACW05-76-C-0015, Drawing No. 50-4-4898.

*gc ke*  
ROMPALA/  
k1c/R2

The work was performed under the 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 banks contiguous thereto, is transferred as of 15 January 1976 to the State of California for operation and maintenance. The irrigation facilities at Site Miles 40.3 and 50.48 will be completed at a later date.

*mc*  
A. SMITH  
HENSON

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

Sincerely yours,

*PROFASCO*  
32  
COUNSEL  
*ve*  
ROCKWELL  
*h*

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

*Units 111, 114, 116*

1 Incl  
As stated

Copy furnished:  
DNR, ATTN: R. Franson & Carl King

cc: *3* Flood Control Unit  
*3* Valley Res Ofc  
*3* Engr Div (Levee & Chan)  
*3* (Prog Dev Br)  
*3* F&A (Kalal)

*3* OCE  
*3* SPD

SUMMARY OF PORTION OF SACRAMENTO  
RIVER BANK PROTECTION PROJECT, UNIT 28

RIGHT BANK

SITE MILE	STONE PROTECTION	L.F.
50.4	117+50 to 121+00 =	350
51.6	48+50 to 54+90 =	640
56.0	53+40 to 61+30 =	790
57.1	2+50 to 5+10 =	260

LEFT BANK

40.3	72+00 to 79+00 =	700
41.6	85+00 to 88+00 =	300

2040

1000

3040

C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

December 15, 1973

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

Refer to: 4130.60.110

Dear Colonel Donovan:

Reference is made to your letter of November 29, 1972, concerning the transfer to the State of California, for maintenance and operation, a portion of the Sacramento River Bank Protection Project, Unit No. 23.

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 44.0 and 45.5 Right Bank, Sacramento River.

The flood control work has been completed and was constructed in a workmanlike manner. This work has been constructed in conformance with Drawing No. 50-4-4687, Specification No. 4041, and Contract No. DACW05-73-C-0012, insofar as could be determined visually.

The Reclamation Board at its regular meeting of December 15, 1972, formally accepted from the District Engineer for operation and maintenance, the completed work on the above referenced sites.

Sincerely yours,

/s/ A. E. McCollam  
A. E. McCOLLAM  
Chief Engineer and  
General Manager

CERTIFIED MAIL #608491  
RETURN RECEIPT REQUESTED

C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

December 4, 1973

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

Refer to: 4130.60.109L

Dear Sir:

Reference is made to your letter of November 16, 1973, concerning the transfer of Unit No. 21L, Levee Landscape Plantings, a portion of the Sacramento River Bank Protection Project, to the State of California for maintenance.

The levee landscape work consisted of planting groups of trees and shrubs on the riverside levee slope at Site Miles 44.9, 45.5 and 45.9 Right Bank, Sacramento River.

The work has been completed in a workmanlike manner. This work has been completed in conformance with Drawing No. 50-4-4809, Specification No. 4421, and Contract No. DACW05-73-C-0061, insofar as could be determined visually.

The Reclamation Board, at its meeting of November 16, 1973, formally accepted for maintenance the completed work on the above referenced sites.

Sincerely yours,

/s/ A. E. McCollam  
A. E. McCOLLAM  
Chief Engineer and  
General Manager

EXHIBIT F

5237



SPKCO-0

16 November 1973

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

*Jone*

Gentlemen:

Reference is made to the joint inspection of 13 November 1973, for the purpose of transferring the levee landscape plantings portion of the Sacramento River Bank Protection Work (Unit 211), to the State of California for maintenance.

The landscaping consisted of planting groups of trees and shrubs on the Sacramento River right bank levee slopes at Site Miles 44.9, 45.5, and 45.9. The sites were completed on 13 November 1973 in accordance with Specification No. 4421, Contract No. DACW05-73-C-0061, Drawing No. 50-4-4809.

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. Therefore, said landscaping is transferred as of 16 November 1973 to the State of California for maintenance. An interim guide line for vegetation maintenance is attached.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement No. 114, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

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

*UM 7/114*

1 Incl  
As stated

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

OCE  
SPD

*M*  
ROMPALA/dc  
Redaction

*CO*  
COLEMAN

HEWSON

*[Signature]*  
MCKINSEY

~~XXXX~~

POTAMOS

*R*  
ROCKWELL

*y*

Valley Res Ofc  
F & A (Jones)

cc: Engrg (Lev & Chan)  
Engrg (Prog Dev)

C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

December 18, 1972

Colonel James C. Donovan, District Engineer  
Sacramento District  
U. S. Army Corps of Engineers  
650 Capitol Mall  
Sacramento, CA 95814

Refer to: 4130.60.109

Dear Colonel Donovan:

Reference is made to your letter of December 4, 1972, concerning the transfer to the State of California, for maintenance and operation, a portion of the Sacramento River Bank Protection Project, Unit No. 21.

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 53.3, 51.7, 46.3, 45.9, 44.9, Right Bank and Site Mile 12.4 Left Bank, Sacramento River.

The flood control work has been completed and was constructed in a workmanlike manner. This work has been constructed in conformance with Drawing No. 50-4-4487, Specification No. 3680, and Contract No. DACW05-72-C-0046, insofar as could be determined visually.

The Reclamation Board at its regular meeting of December 15, 1972, formally accepted from the District Engineer for operation and maintenance, the completed work on the above-referenced sites.

Sincerely yours,

/s/ A. E. McCollam  
A. E. McCOLLAM  
Chief Engineer and  
General Manager

EXHIBIT F

*R.M. Clark file*

SPKCO-0

4 December 1972

F & A (Jones)  
Valley Res Ofc  
Engr (Prog Dev)  
Engr (Lev&Chann)  
cc: Engr (Lev&Chann)

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

Gentlemen:

On 3 November 1972 a joint inspection was made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit #21), to the State of California for operation and maintenance.

The flood control work consisting of levee bank sloping and placement of stone bank protection on the Sacramento River right bank at Site Miles 44.9, 45.9, 46.3, 51.7 and 53.3, and left bank at Site Mile 12.4 is listed on the inclosure. The work was completed on 3 November 1972 in accordance with Specification No. 3680, Contract No. DACW03-72-C-0046, Drawing No. 50-4-4487.

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 4 December 1972 to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operations and Maintenance Manual, Supplement Nos. 102, 114 and 116, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

JAMES C. DONOVAN  
Colonel, CE  
District Engineer

1 Incl (dupe)  
As stated

Copy furnished:  
DWR, ATTN: John Wright & C. King  
DAEN-CWO  
SPB

*Unit 102,  
114, 116*

*[Signature]*  
ROMPALA/dc  
*[Signature]*  
COLEMAN  
*[Signature]*  
HENSON  
*[Signature]*  
McKINSEY  
*[Signature]*  
LORD  
DONOVAN  
*[Signature]*

SUMMARY OF PORTION OF SACRAMENTO RIVER BANK PROTECTION  
UNIT 21, SACRAMENTO RIVER

RIGHT BANK

<u>SECT MILE</u>	<u>STONE PROTECTION</u>	<u>L.F.</u>	<u>STONE TOEWALL</u>	<u>L.F.</u>
114 { 44.9 45.9 46.3 51.7 53.3	136+00 to 148+61	1261		
	93+00 to 101+00	800		
	68+00 to 79+00	1100		
	24+00 to 48+50	2450	33+50 to 37+00	350
	0+00 to 9+85	985		
	14+00 to 24+25	1025		
		7621		

LEFT BANK

12.4	7+00 to 19+25	1225	8+72 to 10+20	148
		8846		

*Unit 102, 114, 116*

*McClay file*

SPKGO-0

29 November 1972

Valley Res Ofc

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

Gentlemen:

This is in regard to the joint inspection of 27 November 1972 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit No. 23), to the State of California for operation and maintenance.

The flood control work consisting of levee bank sloping and placement of stone bank protection on the Sacramento River right bank at site miles 44.0 and 45.5 is listed on the inclosure. The work was completed on 27 November 1972, in accordance with Specification No. 4041, Contract No. DACW05-73-C-0012, and Drawing No. 50-4-4687.

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 29 November 1972, to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operations and Maintenance Manual, Supplement No. 114. Copies will be furnished your office at a later date.

Sincerely yours,

JAMES C. DONOVAN  
Colonel, CE  
District Engineer

*RL*  
ROMPALA/dc

*COLEMAN*

*HENSON*

*MCKINSEY*

*LORD*

DONOVAN

*Unit 114*

*JG*

1 Incl  
As stated

Copy furnished:  
DWB, ATTN: John Wright, Carl King  
SFD  
HQDA (DAEN-CNO)

F & A Br (Jones)

Engrg, Prog Dev

cc: Engrg, Lev & Chan

SUMMARY OF PORTION OF SACRAMENTO RIVER BANK PROTECTION  
 UNIT 23 SACRAMENTO RIVER RIGHT BANK

SITE MILE	STONE PROTECTION	L.F.	STONE TOEWALL	L.F.
44.0	176+00 to 192+00	1600	176+00 to 180+00	400
45.5	112+00 to 119+00	700	113+85 to 117+50	365
		<u>2300</u>		

*Unit 2114*

C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

December 9, 1971

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

Refer to: 4130.60.108

Dear Sir:

Reference is made to your letters of November 18 and 23, 1971, concerning the transfer to the State of California for maintenance and operation a portion of the Sacramento River Bank Protection Project, Unit No. 19, consisting of Sites Mile 24.7, 30.4, 35.2, 42.0, 42.9 Left Bank and 28.3, 29.3, 42.5, 51.3 Right Bank of the Sacramento River.

This work was constructed in accordance with Specification No. 3427, Contract No. DACW05-71-C-0021, Drawing No. 50-4-4378.

The Reclamation Board, at its regular meeting of December 3, 1971, formally accepted this portion of Unit 19 for maintenance and operation.

Sincerely yours,

/s/ A. E. McCollam  
A. E. McCOLLAM  
Chief Engineer and  
General Manager

EXHIBIT F

1 8 NOV 1971

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

F&A(Cordano)

Valley

Prog Dev

cc: Engr-Lev & Chan

Gentlemen:

Reference is made to the joint inspection of 16 November 1971, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit # 19), to the State of California for operation and maintenance.

The flood control work consists of bank sloping, levee enlargement and placement of stone bank protection on the Sacramento River right bank at Site Miles 28.3, 29.3, 42.5 and 51.3 as listed on the inclosure. The work was completed on 16 November 1971 in accordance with Specification No. 3427, Contract No. DACW05-71-C-0021, Drawing No. 50-4-4378.

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 16 November 1971 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, 113, 114 and 116, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

JAMES C. DONOVAN  
Colonel, CE  
District Engineer

1 Incl (in dupe)  
as stated

Copy furnished:  
DIR, ATTN: John Wright  
OCE  
SPD

*RM*  
ROMPALA

*MJC*  
COLEMAN

*MD*  
HENSON

*[Signature]*  
DONOVAN

*Petrus*

*Units 104, 113, 114, 116*

*copies to John Talbot #*  
*22 NOV 71 JK*

SUMMARY OF PORTION OF SACRAMENTO RIVER BANK PROTECTION PROJECT  
UNIT 19, SACRAMENTO RIVER

RIGHT BANK

<u>SITE MILE</u>	<u>STONE PROTECTION</u>	<u>L.F.</u>	<u>STONE TOEWALL</u>	<u>L.F.</u>	<u>LEEVE ENLARGEMENT</u>	<u>L.F.</u>
28.3	195+48 to 213+55	1807	196+60 to 203+75 205+25 to 213+55	715 830		
29.3	132+50 to 151+65	1915	133+00 to 133+70	70	132+00 to 142+00 148+90 to 151+65	1000 275
42.5	18+00 to 26+20	820	18+40 to 19+00 20+67 to 23+00 25+85 to 26+20	60 233 35		
51.3	55+00 to 85+00	3000				

7542 ✓

Units 10A, 11, 13, 14, 16

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

November 13, 1969

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

Dear Sir:

Reference is made to your letter of October 30, 1969 concerning transfer to the State of California of a portion of the Sacramento River Bank Protection Work at seven critical locations on the right and left banks of the Sacramento River between Site Mile 12.4 and Site Mile 53.3 for operation and maintenance.

The work was constructed in accordance with Specification No. 3649, Contract No. DACW05-69-C-0064, Drawing No. 50-4-4476.

The Reclamation Board, at its meeting of November 7, 1969, formally accepted the above-referred to work for operation and maintenance.

Sincerely yours,

/s/ A. E. McCOLLAM  
A. E. McCollam  
Chief Engineer and  
General Manager

EXHIBIT F

SPKCO-0

30 October 1969

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

Gentlemen:

Reference is made to the joint inspection of 20 October 1969, made for the purpose of transferring a portion of the Sacramento River Bank Protection Work at 7 critical locations on the right and left banks of the Sacramento River between Mile 12.4 and Mile 53.3, to the State of California for operation and maintenance.

The flood control work consisting of levee setback, bank sloping and placement of stone bank protection on the Sacramento River left bank at Site Miles 12.4, 28.1 and 30.4 and right bank at Site Miles 19.9, 20.1, 45.9 and 53.3 is listed on the inclosure. The work was completed on 20 October 1969, in accordance with Specification No. 3649, Contract No. DACW05-69-C-0064, Drawing No. 50-4-4476.

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; & Section 5 of the Flood Control Act of 18 August 1941 as amended (Public Law 99, 84th Congress, 1st Session); and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto is 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. 104, 111, 114 & 116, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

GEORGE B. FINK  
Colonel, CE  
District Engineer

**CERTIFIED MAIL**  
RETURN RECEIPT REQUESTED

1 Incl  
as stated

Copy furnished:

O.C.E.

S.P.D.

CC: Engr Div-Lev&Chan; Engr Div-Prog Dev; Valley; F&A(Cordano)

*JK*  
ROMPALA/pp

*[Signature]*  
COLEMAN

*[Signature]*  
HENSON

*[Signature]*  
HART

*[Signature]*  
FINK

*Units 104,  
111, 114  
116*

*To OSBUC and Huber 7 NOV 69*

SUMMARY OF SACRAMENTO RIVER BANK PROTECTION PROJECT

RIGHT BANK

<u>LEVEE UNIT SITE MILE</u>	<u>LEVEE ENLARGEMENT STATION</u>	<u>L.F.</u>	<u>STONE PROTECTION STATION</u>	<u>L.F.</u>
19.9	53+60 to 56+35	= 275	53+60 to 56+35	= 275
20.1	39+32 to 49+00	= 968	39+85 to 48+00	= 815
45.9	89+50 to 94+00	= 450	89+50 to 93+50	= 400
53.3	9+00 to 15+00	= 600	9+00 to 15+00	= 600

LEFT BANK

12.4			1+00 to 8+70	= 770
28.1			52+00 to 61+30	= 930
30.4			157+50 to 166+00	= 850

*Units 104, 111, 114,  
116*

1 October 1964

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

Gentlemen:

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

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

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

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

SPKKO-F  
The Reclamation Board

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

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

Sincerely yours,

ROBERT E. MATHE  
Colonel, CE  
District Engineer

C  
O  
P  
Y

824.3(Sac.R. FCP) SPK

THE RECLAMATION BOARD  
of the  
STATE OF CALIFORNIA  
1100 O Street  
Sacramento 14, California

April 11, 1955

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

Attention: Colonel Wm. J. Ely

Dear Sir:

Reference is made to your letter dated March 3, 1955, concerning the turnover of levee sections Nos. 435 and 436, together with the waterway banks contiguous thereto to the State of California for operation and maintenance.

The Reclamation Board, at its meeting on April 6, 1955, considered the turnover and delayed acceptance thereof until such time as the report of its consultant engineer concerning the banks and levees has been received.

Yours very truly,

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

By \_\_\_\_\_  
DONALD D. LEMMON  
Assistant Secretary

DDL:fmb

*Unit 114  
Cont. 1145  
435 and 436*

*45*

REGISTERED MAIL  
Return Receipt  
Requested

SPKXO-P 82h.3 (Sacto. Riv. F.C.P.)

3 MAR 1955

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

Gentlemen:

Reference is made to the District Engineer's letter dated 3 December 1954 suggesting a joint inspection of certain levee sections pertaining to the Sacramento River Flood Control Project, for the purpose of transferring them to the jurisdiction of the State of California for operation and maintenance. Reference is also made to the joint inspection of these levee sections made on 9 December 1954.

The required work on the levee sections referred to above was completed on 12 January 1955 in accordance with Specification No. 1815, Contract No. DA-01-167-eng-1145, and Drawing No. 50-4-2948. These levee sections are listed as follows:

<u>LEVEE SECTION NO.</u>	<u>LOCATION</u>
435	Westerly Levee, Sacramento River, 114 from Mile 46.0 to 48.21.
436	Westerly Levee, Sacramento River, 114 from Mile 49.85 to 50.50.

Therefore, said levee sections, Nos. 435 and 436, together with the waterway banks contiguous thereto, are hereby transferred to the State of California for operation and maintenance.

The maintenance work required under the provisions of the 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

Letter No. 55  
Sections 435 & 436  
Postcard

C. de ARRIETA

SPRKE-P 82h.3 (Sacto. Riv. F.C.P.)  
The Reclamation Board

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 State Engineer.

Sincerely yours,

1 Incl  
1. F.C.Reg.

Copy furnished:  
State Engineer  
Dept. of Public Works  
Sacramento, Calif.  
OCE  
So.Pac.Divn.Engr.

WM. J. ELY  
Col. CE  
District Engineer

cc: Engr. Divn.  
Sacto. Proj. Ofc.  
c. de Arrieta

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

April 2, 1952

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

Dear Sir:

1. Reference is made to your letter of 6 December 1951, File SPKKA 824.3 (Sac.Riv.F.C.P.) transferring to The Reclamation Board levee reaches on the westerly bank of the Sacramento River and contiguous waterway banks as follows:

- Item 16 a. Mile 59.0 to Lake Washington Barge Canal (partially constructed)
- Item 17 b. Barge Canal to Mile 50.8
- Item 18 c. Mile 50.8 to Mile 50.5
- Item 19 d. Mile 49.85 to Mile 49.4
- Item 20 e. Mile 46.0 to Mile 42.2
- Item 21 f. Mile 42.0 to Mile 41.9 (Elkhorn Slough Inlet Pipe)

2. These reaches of levee with their contiguous banks are on a section of river where navigation is a major factor in levee deterioration. The levees are of themselves ample in cross section for flood control purposes. All of these reaches of levee are now and have been, maintained by local interests who also paid the cost of their construction. Raised low water level of the Sacramento River by Federal operation of Shasta Reservoir has now exposed a new area of the levee and bank section to navigation wave wash. Numerous jetties and other navigation aids on the easterly side of the Sacramento River have caused river currents at low water stages to cut into the westerly bank of the river opposite such navigation installations.

3. The Reclamation Board on December 18, 1951, formally accepted the levee and contiguous waterway bank under Item "a" for flood control operation and maintenance. This

Reach No. 6  
Items 16 to 21

4/2/52

824.3 (SAC. F. PCP) SPK

16

9

7

-2-

District Engineer  
April 2, 1952

levee is backed by an extensive dredger spoil area constructed with Federal navigation funds. Bank protection in this reach will be required only for navigation operation and maintenance.

⑪ 4. Item "b" is not formally accepted at this time. The levee, constructed by local interests, is ample for flood control purposes and is being maintained by them. Low water bank erosion is occurring, particularly upstream from Mile 50.8, due to jetty diversion of low stream flow against the west bank of the river.

⑫ 5. Item "c", including levee and contiguous waterward bank, was formally accepted by The Reclamation Board on December 18, 1951 for flood control operation and maintenance. This is a separate contract job of bank protection and as such is separately accepted.

⑬ 6. Items "d", "e" and "f" are not formally accepted at this time. The levees in these reaches are considered to be of ample section for flood control purposes, but the separate reaches do not constitute units for practicable and reasonable operation and maintenance. Reclamation District No. 765 operates and maintains the reach of levee from Mile 51.1 to Mile 49.5. Reclamation District No. 307 operates and maintains the reach of levee from Mile 49.5 to Mile 42.9. Reclamation District No. 999 operates the reach of levee from Mile 42.9 to 41.9. These reaches are separate and district maintenance units created before any Federal participation in flood control costs were authorized. The levees have been constructed at the sole cost of these districts. When Federal construction obligations are complete for these separate reaches formal acceptance of each entire reach will be made by The Reclamation Board.

7. Your particular attention is directed to your letter of February 26, 1952, File SPKGE, wherein you have determined that existing conditions on the Lisbon levee (R.D. 307) near the old Glide Ferry landing, are not critical. Levee failure at this location would place the levee reaches "c" to "f" of paragraph 1 in serious jeopardy.

Yours very truly

THE RECLAMATION BOARD

  
A. M. BARTON  
Chief Engineer and General Manager

AMB:emw

cc: Chief of Engineers, Washington, D.C.  
Division Engineer, San Francisco  
State Engineer, Sacramento

⑨  
Items 16 to 21

2

This copy was  
furnished on  
24 Feb. 1953  
B. 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)

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

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

= 331 (89-A)

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.
(153) 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.
(158) 11	Do	W. Levee Sacramento River Mile 100.6 to Mile 101.4	Maintained by Sacramento River West Side Levee District. Completed contract.
(160-161-162-163) 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.
(164) 11	Do	E. Levee Sacramento River, Natomas Cut to Feather River	Maintained by Recl.Dist.No.1001.
(165-166-167-168-169-170) 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

No.	Date of Letter	Levee Location	Remarks
(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 → (32) (79A)

303 Covered by letter dated

(53A)

304 17 Nov. 1951

(54A)

(23)  
(50)

\*No waterway banks contiguous to these levees.

REGISTERED MAIL  
Return Receipt  
Requested

Letter No. 5

5

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

6 DEC 1951

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

Ref: Recl. Board letter of 2 April 1952:  
Items 16 and 18 were formally accepted by the Board  
on 18 Dec. 1951. Item 16 was also accepted on 18 May 1951  
and item 18 on 22 Dec. 1948.  
Remaining items are considered by the Board not practicable  
for maintenance because they are ~~separate items~~  
not contiguous.  
Formal acceptance will be made by the Board of these  
reaches of levee when Federal obligations are completed.

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 westerly levee of the Sacramento River at the following locations:

- ✓ 16. a. Mile 59.0 (Tower Bridge) to Proposed Lake Washington Barge Canal. <sup>57.0</sup> Bank protection will be required for navigation only. 116
- ✓ 17. b. Proposed Lake Washington Barge Canal to Mile 50.8. 114, 116
- ✓ 18. c. Mile 50.8 to Mile 50.5. 114
- ✓ 19. d. Mile 49.65 to Mile 49.4. 114
- ✓ 20. e. Mile 46.0 to Mile 42.2. 114, 113
- ✓ 21. f. Mile 42.0 to Mile 41.9 (Alkhorn Slough Inlet Pipes). 113

The records of this office show that on 18 May 1951 your Board accepted the levee covered by Item a. above as complete and on 22 December 1948 your Board accepted the levee covered by Item c. above as complete. Accordingly, the waterway bank contiguous to said Items a. and c. is hereby transferred to the State of California for maintenance and operation.

Reach No. 6  
Items 16 to 21

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

Letter No. 5

5

The levee covered by Items b., d., e., and f., above, although complete has not been formally transferred as contemplated by the Project documents. Accordingly, the levee covered by said Items b., d., e., and f., together with the waterway bank contiguous thereto, is hereby transferred to the State of California for maintenance and operation.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations which have been prescribed by the Secretary of the Army pursuant to Section 5 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.

FOR THE DISTRICT ENGINEER:

Sincerely yours,

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

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

DEC 5 1936  
HBD

5

R E S O L U T I O N

PASSED AND ADOPTED BY THE RECLAMATION BOARD

DECEMBER 22, 1948

- - -

WHEREAS The Reclamation Board has heretofore approved plans for the completion to grade and section, or for the setback and reconstruction, bank protection, etc., of certain units of levee in the Sacramento River Flood Control Project, as follows:

- (1) Enlargement of the South Levee of the American River from 16th Street Bridge, Sacramento, to Mayhew Station, a distance of approximately nine miles;
- (2) Setback and Bank Protection of the West Levee of the Sacramento River from Mile 50.4 to Mile 50.9, in Reclamation District No. 765, Yolo County;
- (3) Setback and Bank Protection of the East Levee of the Sacramento River at Mile 35.5, a distance of approximately 1800 feet, in Reclamation District No. 755, Sacramento County, and,

WHEREAS, said units of levees have been completed, in accordance with said plans, and the District Engineer, Sacramento District, Corps of Engineers, Department of the Army, has under date of December 10, 1948, in accordance with established procedure, transferred said completed levees to the State of California, Reclamation Board, for maintenance,

NOW THEREFORE, be it resolved that said units of levee as heretofore itemized be and the same are hereby accepted by The Reclamation Board, for and on behalf of the State of California, for maintenance in accordance with Section 42 of Chapter 1514 of the Statutes of 1945, and

BE IT FURTHER RESOLVED, that said units of levee, as com-

8370, et seq., of the Water Code of the State of California.

- (1) The South Levee of the American River from the 16th Street Bridge to Mayhew Station, to the American River Flood Control District;
- (2) The West Levee of the Sacramento River from Mile 50.4 to 50.9, to Reclamation District No. 765, Yolo County;
- (3) The East Levee of the Sacramento River, in the vicinity of Mile 35.5 to Reclamation District No. 755;

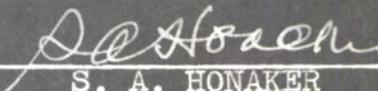
and said Districts shall as of this date take charge of and maintain said levees in accordance with regulations as prescribed by the Secretary of War.

- -

STATE OF CALIFORNIA )  
COUNTY OF SACRAMENTO ) ss.  
Office of The Reclamation Board )

I, S. A. HONAKER, Assistant Secretary of The Reclamation Board, do hereby certify that the above and foregoing is a true and correct copy of a Resolution made by said Board at its meeting held December 22, 1948.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of The Reclamation Board this 29 day of December, 1948.

  
\_\_\_\_\_  
S. A. HONAKER  
Assistant Secretary

DEC 10 1948

PSKKB

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

Gentlemen:

Levee construction authorized under the Sacramento River Flood Control Project, has recently been completed at three sites described below:

- 18 Unit No. 18 a. Enlargement of the south levee of the American River from 16th Street Bridge to Mayhews, a distance of approximately nine miles.
- 19 Unit No. 19 b. Setback and bank protection of the west levee of the Sacramento River from Mile 50.4 to Mile 50.9.
- 20 Unit No. 20 c. Setback and bank protection of the east levee of the Sacramento River at Mile 35.5 for a distance of approximately 1,800 feet.

Therefore, in accordance with established procedure, these sections 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. The details and extent of the work are shown on the inclosed drawings.

There is also inclosed copy of Flood Control Regulations prescribed by the Secretary of War (now designated 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 said regulations, this office will furnish your Board and local interests at a later date with an Operation and Maintenance Manual to assist in carrying out their obligations established by these regulations.

For the records of this office, acknowledgment of receipt of this letter is requested on or before 15 January 1949.

Units 18-19-20

PSKKB  
The Reclamation Board

DEC 10 1948

Copy of this letter with inclosures is being transmitted to the State Engineer.

FOR AND IN THE ABSENCE OF THE DISTRICT ENGINEER:

Incls.

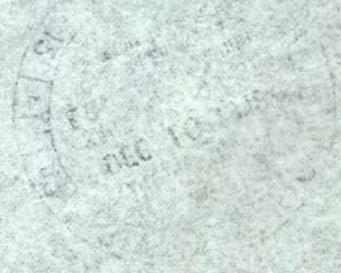
Drawings, File Nos.  
1-4-362 (in 5 sheets)  
1-4-366  
50-A-1717, 1825, 2209,  
2278, 2370, 2371, and  
2375  
Flood Control Regulations

ELIZABETH I. DAVIS  
Lt. Colonel, Corps of Engineers  
Executive Officer

Copy furnished:  
State Engineer  
(with inclosures)

cc: CdeA  
Engineer Div.

Units No 18-19-20  
2



C  
O  
P  
Y

SPKCC-P 824.3 (Sacramento River FCP)

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

7 December 1955

Gentlemen:

Reference is made to the District Engineer's letter dated 3 March 1955, whereby levee sections Nos. 435 and 436 pertaining to the Sacramento River Flood Control Project, completed under Contract DA-04-167-eng-1145, were transferred to the jurisdiction of the State of California for operation and maintenance.

The remaining levee section, No. 476, located on the right bank of the Sacramento River between River Mile 48.21 and 49.4, covered by said Contract DA-04-167-eng-1145 and Drawing No. 50-4-2948, was completed on 15 August 1955. A joint inspection of this section of levee was made on 30 November 1955.

The levee section No. 476 described above now meets the requirements of the Sacramento River Flood Control Project therefore, said levee section No. 476, together with the waterway bank contiguous thereto, is hereby transferred to the State of California for operation and maintenance.

It is to be noted that the levee section, No. 476, described above combined with other sections previously transferred now forms a continuous levee along the right bank of the Sacramento River from the lower end of Merritt Island, River Mile 34.05, to the Tower Bridge, River Mile 59.0., to be maintained under your responsibility.

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

EXHIBIT F

Sheet 1 of 2

C  
O  
P  
Y

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.

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

FOR THE DISTRICT ENGINEER:

Sincerely yours,

1 Incl  
F. C. Reg.

/s/

A. D. Wilder  
Lt. Col, C.E.  
Executive Officer

EXHIBIT F

Sheet 2 of 2

**EXHIBIT G**  
**SUGGESTED SEMI-ANNUAL REPORT FORM**

**EXHIBIT G**

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. 114 of the Sacramento River Flood Control Project (Levees of R.D. No. 307 and 765) is as follows:

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

(Superintendent's summary of conditions)

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

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

b. During this report period, major high water periods (water level at 20.0 on the Department of Water Resources gage at Clarksburg) occurred on the following dates:

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

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

(Superintendent's log of flood observations)

EXHIBIT G

Sheet 1 of 2

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

(See Maintenance Manual \_\_\_\_\_.)

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

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

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

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

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

f. The fiscal statement of the Superintendent's operations for the current report 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 G

Sheet 2 of 2