

**SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE
MANUAL**

**SACRAMENTO RIVER
FLOOD CONTROL PROJECT**

UNIT No.130

**WEST LEVEE OF SACRAMENTO RIVER
FROM SYCAMORE SLOUGH TO WILKINS SLOUGH
(MILE 89.9 TO MILE 117.8)**



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

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U. S. ARMY

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SACRAMENTO DISTRICT
CORPS OF ENGINEERS
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May 1960

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LOCATION	ADDITION OR REVISION	DATE
Paragraph 1-04 n.	Add contract no. 62-60	Nov 1963
Exhibit B	Add drawing no. 50-4-3656	Nov 1963
Paragraph 1-04 o.	Add contract no. 64-71	Jun 1965
Exhibit B	Add drawing no. 50-4-3742	Jun 1965
Exhibit F	Add letter of acceptance dated 9 Nov 1964	Jun 1965
Paragraph 1-04 p.	Add contract no. 65-15	Jul 1966
Exhibit B	Add drawing no. 50-4-3754	Jul 1966
Exhibit F	Add letter of transfer dated 26 Oct 1965	Jul 1966
Paragraph 1-04 q.	Add contract no. 66-50	Nov 1966
Exhibit B	Add drawing no. 50-4-4004	Nov 1966
Exhibit F	Add letter of transfer dated 8 Nov 1966	Nov 1966
Paragraph 1-04 r.	Add contract no. DACW05-68-C-0014	Dec 1968
Exhibit B	Add drawing no. 50-4-4078	Dec 1968
Exhibit F	Add letter of acceptance dated 23 Dec 1968	Dec 1968
Paragraph 1-04 s.	Add contract no. DACW05-70-C-0008	Dec 1970
Exhibit B	Add drawing no. 50-4-4310	Dec 1970
Exhibit F	Add copy of letter of acceptance dated 27 Jan 1970	Dec 1970
Paragraph 1-04 s.	Add site mile 96.8 and revise starting date to 25 Jul 1969	Mar 1971
Exhibit F	Add copy of letter of acceptance dated 2 Oct 1970	Mar 1971
Paragraph 1-04	Add subparagraph t.	Mar 1972
Exhibit B	Add drawing no 50-4-4339	Mar 1972
Exhibit F	Add copy of letter of acceptance dated 31 Dec 1971	Mar 1972
Paragraph 1-04	Add subparagraph u.	Feb 1973
Exhibit B	Add drawing no. 50-4-4381	Feb 1973
Exhibit F	Add copy of letters of acceptance dated 17 Jan 1972 and 16 Oct 1972	Feb 1973
Paragraph 1-04	Add subparagraph v.	Jun 1975
Paragraph 2-01	Add subparagraph c.	Jun 1975
Exhibit B	Add drawing no 50-4-4586	Jun 1975
Exhibit F	Add copy of letter of acceptance dated 1 Oct 1973	Jun 1975
Paragraph 1-04	Add subparagraph w.	Nov 1975
Exhibit B	Add drawing no. 50-4-4713	Nov 1975

LOCATION	ADDITION OR REVISION	DATE
Exhibit F	Add copy of letters of acceptance dated 30 May 1974 and 15 Nov 1974	Nov 1975
Paragraph 1-04	Add subparagraph x.	Jan 1976
Exhibit B	Add drawing no 50-4-4777	Jan 1976
Exhibit F	Add copy of letters of acceptance dated 9 July 1974 and 18 Nov 1974	Jan 1976
Paragraph 1-04	Add subparagraph y	Feb 1979
Paragraph 2-01	Delete subparagraph c (June 1975)	Feb 1979
Paragraph 2-05	Add Environment Protection	Feb 1979
Exhibit B	Added drawing no 50-4-5011	Feb 1979
Exhibit F	Add copy of letter of acceptance dated 13 Jan 1977	Feb 1979
Paragraph 1-04	Add subparagraph z.	Sep 1981
Exhibit B	Added drawing no. 50-4-5130	Sep 1981
Exhibit F	Added acceptance letter dated 15 Jun 1979	Sep 1981
Paragraph 1-04	Add subparagraph aa.	Nov 1983
Exhibit B	Added drawing no. 50-4-5433	Nov 1983
Exhibit F	Added transfer letter dated 19 Nov 1979	Nov 1983
Exhibit F	Added transfer letter dated 9 Jan 1979	Nov 1983
Paragraph 1-04	Added subparagraph ab.	Nov 1983
Exhibit B	Add drawing no. 50-4-5438	Nov 1983
Exhibit F	Add copy of letter of transfer dated 30 Nov 1982	Nov 1983
Paragraph 1-04	Add subparagraph ac.	Sep 1990
Exhibit B	Add drawing no. 50-4-5712	Sep 1990
Exhibit F	Add letter of transfer dated 27 Nov 1985	Sep 1990
Paragraph 1-04	Add subparagraph ad.	Sep 1990
Exhibit B	Add drawing 50-4-5714	Sep 1990
Exhibit F	Add letter of transfer dated 22 Dec 1986	Sep 1990
Exhibit F	Add letter of transfer dated 30 Nov 1987	Sep 1990
Paragraph 1-04	Add subparagraph ae.	Mar 1994
Exhibit B	Add drawing no 50-4-5868	Mar 1994
Exhibit F	Add letter of transfer dated 23 Sep 1993	Mar 1994
Exhibit F	Add copy of letter of transfer dated 22 Jul 1949	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 9 Dec 1949	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 8 Nov 1951	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 8 Dec 1951	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 18 Dec 1951	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 3 Dec 1952	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 7 Feb 1955	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 5 Dec 1958	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 26 Jan 1959	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 16 Nov 1959	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 21 Nov 1962	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 7 Jan 1964	22 Dec 2010

LOCATION	ADDITION OR REVISION	DATE
Exhibit F	Add copy of letter of transfer dated 21 Oct 1964	2 Feb 2011
Exhibit F	Add copy of letter of acceptance dated 22 Nov 1966	2 Feb 2011
Exhibit F	Add copy of letter of acceptance dated 20 Feb 1967	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 5 Nov 1968	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 8 Jan 1970	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 28 Sep 1970	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 30 Nov 1971	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 27 Dec 1971	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 21 Sep 1972	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 25 Sep 1973	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 20 May 1974	8 Mar 2011
Exhibit F	Add copy of letter of transfer dated 25 Jun 1974	8 Mar 2011
Exhibit F	Add copy of letter of transfer dated 30 Oct 1974	8 Mar 2011
Exhibit F	Add copy of letter of transfer dated 5 Nov 1974	8 Mar 2011
Exhibit F	Add copy of letter of transfer dated 27 Dec 1976	8 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 31 Jan 1979	8 Mar 2011
Exhibit F	Add copy of letter of transfer dated 29 May 1979	8 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 4 Dec 1979	8 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 21 Dec 1982	8 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 3 Mar 1986	8 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 25 Mar 1987	8 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 20 Dec 1993	8 Mar 2011
1-04	Add subparagraph af.	8 Mar 2011
Exhibit F	Add copy of letter of transfer dated 13 Jan 1995	8 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 31 Mar 1995	8 Mar 2011
Exhibit B	Add drawing no. 50-4-5806	21 Sep 2011
Paragraph 1-04	Add subparagraph ag.	Jan 2012
Exhibit B	Add drawing no. 50-25-6248	Jan 2012
Exhibit H	Create Exhibit H: Local Cooperation Agreement	Jan 2012
1-02	Authorization paragraph. Add Flood Control Act 1960	Jan 2012
2-01. c.	Move 2-01. c. (Env. Values) to 2-05. a.	Jan 2012
2-05	Add subparagraph c, d, e, f, & g	Jan 2012
Table of Contents	Update Table of Contents	Jan 2012
Exhibit I	Create Exhibit I: Biological Opinion	Jan 2012
Exhibit I	Add B.O. excerpt USFWS #81420-2008-F-0805-1	Jan 2012
Exhibit F	Add copy of letter of transfer dated 22 Aug 2012	Sept 2012
Exhibit F	Add copy of letter of transfer dated 29 Nov 2016	29 Dec 2016

TABLE OF CONTENTS

<u>Paragraph</u>	<u>Subject</u>	<u>Page</u>
<u>SECTION I - INTRODUCTION</u>		
1-01.	Location -----	1
1-02.	Project Works -----	1
1-03.	Protection Provided -----	1
1-04.	Construction Data and Contractor -----	2
1-05.	Flood Flows -----	3
1-06.	Assurances Provided by Local Interests -----	3
1-07.	Acceptance by State Reclamation Board -----	3
1-08.	Superintendent -----	3
<u>SECTION II - FEATURES OF THE PROJECT SUBJECT TO FLOOD CONTROL REGULATIONS</u>		
2-01.	Levees -----	4
2-02.	Drainage and Irrigation Structures -----	4
2-03.	Channel -----	7
2-04.	Miscellaneous Facilities -----	8
2-05.	Environment Protection -----	8a
<u>SECTION III - REPAIR OF DAMAGE TO PROJECT WORKS AND SUGGESTED METHODS OF COMBATING FLOOD CONDITIONS</u>		
3-01.	Repair of Damage -----	9
3-02.	Applicable Methods of Combating Floods -----	9
<u>EXHIBITS</u>		
<u>Exhibit</u>	<u>Description</u>	
A	Flood Control Regulations -----	Unattached (in Standard Manual)
A-1	Location Drawing -----	1 Sheet
B	"As Constructed" Drawings -----	Unattached
C	Plates of Suggested Flood Fighting Methods -----	Unattached (in Standard Manual)
D	Check List No. 1 - Levee Inspection Report -----	Unattached (in Standard Manual)
E	Check Lists, Channels and Structures -----	Sheets 1 thru 9
F	Letter of Acceptance by State Reclamation Board -----	Sheets 1 thru 15
G	Semi-Annual Report Form -----	Sheets 1 and 2
H	Local Cooperation Agreement -----	Sheets 1 thru 27
I	Biological Opinion -----	Sheets 1

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SECTION I

INTRODUCTION

1-01. Location. The improvement covered by this manual is that part of the Sacramento River Flood Control Project which includes the west levee of the Sacramento River from Sycamore Slough upstream to Wilkins Slough. The location by river mileage is from about mile 89.9 to mile 117.8. The levee and channel of this unit lies within the West Side Levee District and between the towns of Knights Landing and Colusa in Colusa and Yolo Counties, California. The location of the completed unit covered by this manual is shown on Exhibit A-1.

1-02. Project Works. The project works 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, 1941, and 1960, and consists of the westerly levee (right bank) and channel of the Sacramento River from Sycamore Slough at Knights Landing upstream about 25.88 levee miles to Wilkins Slough. Portions of the original levee built by local interests have been repaired, provided with stone protection, enlarged and/or setback by the Corps of Engineers to adopted grade and section. For more complete details of construction of the levee within this unit, reference is made to the "As Construct" drawings of Exhibit B.

1-03. Protection Provided. The levee of this unit provides direct protection to agricultural lands that lie westerly from the levee. The grade of the adopted flood plane in the Sacramento River varies from elevation 42.4 at Sycamore Slough to elevation 53.0 at Wilkins Slough (elevations are referred to U.S. Corps of Engineers datum). The project levee grade along the Sacramento River provides a freeboard which equals or exceeds three feet and the project design flood capacity is 30,000 cubic feet per second within this unit.

1-04 Construction Data and Contractor. Construction contracts and job orders required to repair and bring locally built levees within this unit to project standards were as follows:

<u>Drawing</u>	<u>a. Job Order No.</u>	<u>Location</u>	<u>Date of Compl</u>
6-4-1229	67	Rough & Ready Bend, Mile 100.2R	November 1935
6-4-1348	263	Mile 99.5R	September 1937
6-4-1425	401	Mile 99.5R	July 1938
6-4-1462	541	Mile 99.7 to 100.4R	July 1939

b. Levee Setback at Mile 110.1R was accomplished by A. Teichert and Son, and completed on 24 December 1936. Drwg. 6-4-1260

c. Levee setback from Mile 100.9 to 101.2R was accomplished under Contract No. W-1105-eng-2634 by C. A. Baker, and completed on 24 November 1939. Drwg. 50-4-1720

d. Levee setback from Mile 100.5 to 101.3R was accomplished under Contract No. W-04-167-eng-1538 by H. Earl Parker, Inc., and completed on 3 August 1949.

e. Levee setback and bank protection was accomplished under Contract No. DA-04-167-eng-272 by H. Earl Parker, Inc., during the period from 5 June 1950 to 17 November 1951. Spec. 1416, Drwg. 50-4-2614

f. Levee setback and bank protection from Mile 116.8 to 117.2R was accomplished under Contract No. DA-04-167-eng-806 by H. Earl Parker, Inc., during the period from 1 July 1952 to 17 February 1953. Drwg. 50-4-2895

g. Levee setback and bank protection from Mile 97.4 to 97.8R and Mile 100.1 to 100.3R was accomplished under Contract No. DA-04-167-eng-1123 by H. Earl Parker, Inc., during the period from 7 June 1954 to 23 December 1954. Spec. 1813, Drwg. 50-4-2919 & 50-4-2921

h. Emergency bank protection work at Site No. 5 was accomplished under Contract No. DA-04-167-eng-1180 by H. Earl Parker, Inc., during the period from 28 July 1954 to 25 June 1955. Spec. 1845, Drwg. 50-4-3008

i. Normal bank protection work at Site 3 was accomplished under Contract No. DA-04-167-eng-1186 by H. Earl Parker, Inc., during the period from 19 July 1954 to 10 June 1955. Spec. 1855, Drwg. 50-4-3011

j. Normal bank protection work from Mile 107.4 to 108.9R was accomplished under Contract No. DA-04-167-eng-CIVENG-59-196 by H. Earl Parker, Inc., during the period from 22 June 1956 to 17 November 1956.

Spec. 2006, Drwg. 3059

k. Construction of a patrol road on the west levee was accomplished under Contract No. DA-04-167-eng-CIVENG-56-247 by W. H. O'Hair Co., during the period from 19 July 1956 to 20 November 1956.

Drwg. 50-04-3211

l. Bank protection and levee construction was accomplished under Contract No. DA-04-167-CIVENG-59-43 by Eugene Luhr & Co., during the period from 24 September 1958 to 29 November 1958.

Spec 2506, Drwg. 50-4-3550

m. Bank protection at warehouse sites were accomplished under Contract No. DA-04-167-CIVENG-59-40 by H. Earl Parker, Inc., during the period from 15 April 1959 to 26 October 1959.

Drwg. 50-4-3243

1-05 Flood Flows: For purposes of this manual, the term "flood" or "high water period" shall refer to flows when the water surface in the Sacramento River reaches or exceeds a reading of 48.0 on the continuous water stage recorder and staff gage located on the right bank of the Sacramento River about 2,000 feet downstream from Wilkins Slough. Also, when the water surface in the Sacramento River reaches or exceeds a reading of 41.0 on the staff gage located on the right bank of the Sacramento River at the R. D. No. 108 drainage pumping plant near Rough and Ready Bend. Both gages are set on U. S. Corps of Engineers datum.

[see 3A/36 for revisions]

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 or Acceptance by the State Reclamation Board. Responsibility for operating and maintaining portions of the completed works of Unit No. 130 were transferred to the State Reclamation Board by letters dated 21 January 1955, 17 June 1955, 17 August 1955, 30 November 1956, and 5 December 1956. Certain portions were accepted by the State Reclamation Board by letters dated 28 November 1951, 11 March 1953, 8 January 1953, and December 1959, all as shown on copies of letters contained in 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.

104.

n. Normal bank protection, Mile 109.9 on right bank of the Sacramento River was accomplished under Contract No. DA-04-167-CIVENG-62-60 by Elmer G. Wendt during the period from 23 April 1962 to 9 November 1962, Specification No. 2738, Drawing No. 50-4-3656.

o. Bank protection, right and left banks at various sites from Boyer's Bend to Monument Bend was accomplished under Contract No. DA-04-167-CIVENG-64-71 by H. Earl Parker, Inc. during the period from 23 April 1964 to 20 October 1964, Specification No. 2958, Drawing No. 50-4-3742.

p. Bank protection, right and left banks Sacramento River at various locations between Colusa and Boyers Bend was accomplished under Contract No. DA-04-167-CIVENG-65-15 by Elmer G. Wendt, Inc. during the period from 22 September 1964 to 5 November 1965, Specification No. 3024, Drawing No. 50-4-3754.

q. Bank protection, right bank of Sacramento River at various locations between Knights Landing and Colusa (Unit No. 8) was accomplished under Contract No. DA-04-167-CIVENG-66-50 by H. Earl Parker, Inc. during the period from 18 October 1965 to 4 November 1966, Specification No. 3154, Drawing No. 50-4-4004

r. Bank protection on the right bank of the Sacramento River at Miles 95.3, 100.3 and 100.9 (Unit No. 12) was accomplished under Contract No. DACW05-68-0014 by A. Teichert and Son, Inc. and completed in November 1968. Specification No. 3288. Drawing No. 50-4-4078.

s. Stone protection on the right bank of the Sacramento River at Site Miles 92.9, 105.7 and 114.1 (a portion of Unit No. 16 Sacramento River Bank Protection Project) was accomplished under Contract No. DACW05-70-C-0008 by H. Earl Parker during the period from 25 July 1959 to 6 January 1970. Specification No. 3390, Drawing No. 50-4-4310.

t. Bank protection on the right bank of the Sacramento River at Site Mile 112.3 (Unit No. 17) was accomplished under Contract No. DACW05-70-C-0049 by A. A. Teichert and Sons during the period from 15 December 1969 to 20 January 1972. Specification No. 3406. Drawing No. 50-4-4339.

u. Bank protection on the right bank of the Sacramento River at Site Mile 96.8 and 101.4 (Unit No. 20) was accomplished under Contract No. DACW05-71-C-0051 by Claude C. Wood during the period from 1 October 1970 to 30 October 1972. Specification No. 3459, Drawing No. 50-4-4381.

next page

v. Bank protection and selective clearing on the right bank of the Sacramento River at Site Mile 110.8 (Unit No. 22) was accomplished under Contract No. DACW05-72-C-0057 by A. A. Teichert and Sons during the period from 20 March 1972 to 9 November 1973. Specification No. 3924, Drawing No. 50-4-4586.

w. Bank protection and selective clearing on the right bank of the Sacramento River at Site Miles 94.8, 100.7, 101.7 and 111.9 (Unit No. 24) was accomplished under Contract No. DACW05-73-C-0038 by Claude C. Wood during the period from 11 October 1972 to 6 January 1975. Specification No. 4169, Drawing No. 50-4-4713.

x. Bank sloping, stone protection and selective clearing on the right bank of the Sacramento River at Site Miles 93.1, 95.5, 112.6, 113.2, 113.8, 114.7 and 115.1 (Unit No. 26) was accomplished under Contract No. DACW05-73-C-0059 by Luhr Brothers Inc. during the period from 7 December 1972 to 15 November 1974. Specification No. 4251, Drawing No. 50-4-4777.

y. Bank sloping, stone protection and selective clearing on the right bank of the Sacramento River at Site Miles 111.5, 112.7, 116.9, 117.3 and 117.8 (of Unit 29) was accomplished under Contract No. DACW05-76-C-0084 by Claude C. Wood Company, during the period from 28 June 1976 to 9 August 1977. Specification No. 4833, Drawing No. 50-4-5011.

z. Bank sloping, stone protection and selective clearing on the right bank of the Sacramento River at Site Miles 91.2, 91.9, 92.3, 96.6, 99.6, 103.2 and 109.4 (of Unit 30) was accomplished under Contract No. DACW05-76-C-0107 by James Ferry & Son. Construction was completed on 6 July 1979. Specification No. 5081, Drawing No. 50-4-5130.

aa. Bank sloping, stone protection and selective clearing on the right bank of the Sacramento River at Site Miles 90.0, 91.4, 93.3, 94.0, 97.4, 98.5, 99.2, and 101.0 (a portion of Unit 34) was accomplished under Contract No. DACW05-78-C-0046 by Claude C. Wood. Construction was completed on 7 November 1979. Specification No. 5403, Drawing No. 50-4-5433.

ab. Bank sloping, stone protection and selective clearing on the bank of the Sacramento River at Site Mile 115.3 R (a portion of Unit 35) was accomplished under Contract No. DACW05-81-C-0036 by Francis Construction, Inc. Construction was completed on 18 November 1982. Specification No. 5472, Drawing No. 50-4-5438.

ac. Bank sloping, stone protection and selective clearing on the bank of the Sacramento River at Site Mile 99.2 (a portion of Unit 38A) was accomplished under Contract No. DACW05-84-0112 by Aloha Dredging Co. Construction was completed on 6 October 1985. Specification No. 7053, Drawing No. 50-4-5712.

ad. Bank sloping, stone protection and selective clearing on the right bank of the Sacramento River at Site Miles 92.4, 92.5, 98.7, 111.4, 114.8, 115.6, and 117.6 and the right bank of the Colusa Basin Drain Site Mile 89.8 (a portion of Contract 38B) was accomplished under Contract No. DACW05-86-C-0079. Specification No. 7082, Drawing No. 50-4-5714.

ae. Clearing and grubbing, excavation, placement of stone protection, embankment material and stone fill and miscellaneous site work on the right bank of the Sacramento River at Site Miles 90.4 and 90.9 was accomplished under Contract No. DACW05-93-C-0011, Specification No. 9257, Drawing No. 50-4-5868.

af. Stone protection, selective clearing, excavation, and other miscellaneous work on the right bank of the Sacramento River, Site Miles 111.2, 111.7, and 116.7, was completed on 16 November 1994 under Contract No. DACW05-94-C-0044. Specification No. 8385, Drawing No. 50-4-5806.

ag. Emergency repairs to 495 feet of project levees along the right bank of the Sacramento River at Site Mile 99.3 were completed by Kin Enterprises, Inc. in November 2010 under Contract No. W91238-06-C-0019, Specification No. 1535, Drawing No. 50-25-6248.

SECTION II

FEATURES OF THE PROJECT SUBJECT TO FLOOD CONTROL REGULATIONS

2-01 Levees.

a. Description. The limits of the levee covered in Unit No. 130 are as described in paragraph 1-02 of this manual. Reconstruction of this levee consisted mainly of setting back the levee, sloping the bank, and placing stone protection on the waterside slope. The crown of the levee is 20 feet wide; the slopes are 1 on 3 waterside and 1 on 2 landside. For more complete details of the above-mentioned reconstructed levee, reference is made to the "As Constructed" drawings of Exhibit B. Structures affecting levee maintenance are listed in Exhibit B and paragraph 2-02 of this manual.

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

- (1) Maintenance - paragraph 2-02 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 as follows:

<u>Location</u> <u>Levee</u> <u>Mileage</u>	<u>Size of</u> <u>Pipe</u>	<u>Location</u> <u>of</u> <u>Gate</u>	<u>Other Structure Description</u>	<u>Invert</u> <u>Below</u> <u>Crown</u>
0.15	3 - 36"	L.S.	Flag gates W. S.	30.0'
0.22	42"	-	Abandoned and plugged with concrete	28.5'
0.23	6"	-	Abandoned - plugged	10.3'
0.32	3 - 36"	-	Plugged with concrete	18.3'
0.47	54"	W.S.	Pump on pile trestle	28.0'

DRAINAGE AND IRRIGATION STRUCTURES, (Cont'd)

Location Levee Mileage	Size of Pipe	Location of Gate	Other Structure Description	Invert Below Crown
3.08	3"	-	-	6.0'
3.59	2 - 18"	L.S.	-	18.0'
3.59	42"	L.S.	Bolted steel plate one end	14.5'
3.59	5' x 5'	L.S.	Concrete tunnel	33.0'
6.89	14"	W.S.	Slant pump W.S.	5.7'
6.89	20"	W.S.	Slant pump W.S.	5.7'
7.95	16"	W.S.	Pump W.S.	4.7'
7.95	20"	W.S.	Pump W.S.	4.7'
8.99	4 - 54"	L.S.	R.D. 2047 Pumping Plant	26.5'
9.31	14"	-	-	5.2'
9.87	5 - 60"	W.S.	R.D. 108 Pump-concrete culverts	35.0'
9.87	42"	W.S.	R.D. 108 Pumping Plant	17.5'
14.53	2 - 36"	W.S.	Tyndall Mound Pumping Plant	28.0'
14.53	48"	W.S.	" " " "	29.0'
16.92	18"	-	"Howells Landing"	3.0
16.92	24"	-	" "	3.0
16.92	32"	-	" "	3.0
19.02	30"	-	"Boyers Bend" Pumping Plant	12.5'
19.02	18"	-	" " " "	13.0'
19.02	24"	-	" " " "	14.0'
19.02	2-36"	-	" " " "	14.0'

DRAINAGE AND IRRIGATION STRUCTURES, (Cont'd)

Location Levee Mileage	Size of Pipe	Location of Gate	Other Structures Description	Invert Below Crown
19.04	7"	W.S.	Abandoned	8.0'
19.30	6' x 6'	W.S.	Concrete culvert - Pumphouse W.S.	31.5'
19.36	24"	L.S.	Pumphouse W.S.	17.5'
19.74	14"	W.S.	-	8.4'
20.25	6"	W.S.	Pump W.S.	5.0'
22.35	16"	W.S.	-	2.5'
22.36	2 - 18"	-	-	4.0'
22.99	24"	W.S.	Pumphouse W.S.	19.5'
24.03	36"	W.S.	-	20.0'
24.17	2 - 18"	-	-	-
25.02	24"	W.S.	-	20.0'
25.31	10"	W.S.	-	12.3'
25.88	6 - 5'x5'	L.S.	Concrete culverts - Wilkins Slough Pumping Plant	40.0'

Note for abbreviations:

L.S. = Landside

W.S. = Waterside

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 channel of the Sacramento River is confined between levees along both banks within this unit, and is located as described in paragraph 1-02 of this manual. The average width of the floodway between levees is about 400 feet and the project design flood capacity is 30,000 cubic feet per second. Since the channel is used for navigable purposes, the responsibility of local interests for inspection, maintenance and operation of the channel shall be limited to flood control, and the requirements which follow shall be observed only to that extent.

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 48.0 on the gage located on the right bank of the Sacramento River about 2,000 feet downstream from Wilkins Slough or a reading of 41.0 on the gage located on the right bank of the Sacramento River at R.D. No. 108 Pumping Plant near Rough and Ready Bend, as indicated in paragraph 1-05 of this manual. The Superintendent shall dispatch a message by the most suitable means to the District Engineer whenever the water surface in the Sacramento River reaches the gage readings indicated above. The Superintendent shall cause readings to be taken at said gages at intervals of two to four hours during the period when the water surface is above the flood-flow stage indicated above and record the time of observations. One copy of the readings shall be forwarded to the District Engineer immediately following the flood, and a second copy transmitted as an inclosure to the semi-annual report in compliance with paragraph 3-05 of the Standard Manual.

2-04 Miscellaneous Facilities.

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

(1) Bridge Crossings. Bridge crossing Sycamore Slough at Knights Landing.

(2) Utility Relocations. Because of the nature of the construction of the levees by local interests, records of utility relocations are not available.

(3) Hydrographic Facilities.

(a) A continuous water stage recorder and staff gage to be maintained by the U. S. Geological Survey and State Department of Water Resources located on the right bank of the Sacramento River 2,000 feet downstream from Wilkins Slough.

(b) A staff gage located on the right bank of the Sacramento River at R.D. 108 drainage pumping plant.

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

- (1) Maintenance - paragraph 7-02 of the Standard Manual.
- (2) Check List - paragraph 7-03 of the Standard Manual.
- (3) Operation - paragraph 4-04 of the Standard Manual.

2-05. Environment Protection.

a. Vegetation preserved as a part of selective clearing on the waterside berm or slope above the bank protection during prosecution of the contract shall not be removed as a part of normal maintenance. Dead trees with wildlife value will be retained except where they constitute a hazard to existing flood control works. *Added February 1979

b. Consistent with the standards established in this manual and those established by the State of California, all wild growth, including but not limited to, trees, shrubs and other vegetation within those project areas where environmental easements have been obtained by local interests shall be preserved and retained. (Reference Site Miles 117.3, Right Bank, Sacramento River)

*Added February 1979

The following and USFWS B.O. #81420-2008-F-0805-1 within Exhibit I pertain to the repair sites at Sacramento River RM 99.3R,

c. Trees, either preserved or planted, shall not be removed as long as they remain healthy. As unhealthy trees are removed or fall over, any subsequent cavities in the rock must be filled in a timely manner with rock material equal to the surrounding repair. Leave the fallen trees in place. Dead or fallen trees will be retained except where they are a hazard to existing flood control work.

d. In-stream Woody Material (IWM) has been used in conjunction with levee improvements at these locations. IWM is expected to degrade and wash away over time, therefore, it is not a requirement of normal maintenance to replace this material. IWM should not be removed from the site through maintenance activities. Additionally, any woody debris that arrives at the site and is deposited shall be left in place/not removed by the Local Sponsor, provided it is not posing a hazard to the existing flood control work.

e. Vegetation within mitigation areas shall be left in a natural state. No additional maintenance such as irrigation or mowing shall be required as a part of normal maintenance.

f. Soil placed on/in rock as a part of the original repair and all associated vegetation (grasses & woody shrubs/trees) within the footprint of the bank protection sites at these locations do not require replacement as a part of normal maintenance. In other words, if the soil is washed out it does not need to be replaced and re-vegetated. However in areas where soil remains or new sediment is deposited and the vegetation is dislodged/ destroyed or leaves areas greater than 3' x 3' of exposed soil for more than 30 days during the months of April through November, those areas shall be hydro-seeded using the seed mix indicated on the As-Built.

g. Vegetation, soil, and IWM placed on the erosion repair site were done so as on-site mitigation for the construction of the site. Vegetation (trees and shrubs) helps protect against soil erosion and provides shade cover for endangered salmonid species migrating up and down the river during various times of the year. Living and dead IWM provides diverse habitat and refuge for several fish species during low flow conditions. These features shall not be removed or damaged in any way.

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 Manual and Maintenance Manual, revised May 1955, where the subject is fully covered.

EXHIBIT A

FLOOD CONTROL REGULATIONS

(See Standard Manual)

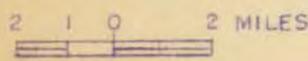
EXHIBIT A
Unattached



LEGEND

 — Extent of Levee in this Unit.

SCALE IN MILES



LOCATION MAP
 UNIT NO. 130
 WEST LEVEE SACRAMENTO RIVER
 WILKINS SLOUGH TO SYCAMORE SLOUGH
 RIVER MILE 117.8 TO 89.8

EXHIBIT B

"As Constructed"
Drawings

See separate folder for the following drawings:

<u>FILE NO.</u>		
6-4-1229	Levee Repair at Rough and Ready Bend, Mile 100.2R	1 Sheet
6-4-1260	Levee Setback, Mile 110.1R	1 Sheet
6-4-1348-2	Bank Protection, Mile 99.5R	1 Sheet
6-4-1425-1	Bank Protection and Levee Setback, Mile 99.5R	1 Sheet
6-4-1462	Bank Protection, Mile 99.7 to 100.4R	1 Sheet
50-4-1720	Levee Setback, Mile 100.9 to 101.2R	1 Sheet
50-4-2540	Levee Setback, Mile 100.5 to 101.3R	Sheets 1 & 2
50-4-2614	Levee Setback and Bank Protection	Sheets 3 & 4
50-4-2895	Bank Protection, Mile 116.8 to 117.2R	1 Sheet
50-4-2919	Bank Protection, Mile 97.4 to 97.8R	Sheets 1 & 2
50-4-2921	Bank Protection, Mile 100.1 to 100.3R	1 Sheet
50-4-3008	Emergency Bank Protection, Site No. 5	Sheet 6
50-4-3011	Normal Bank Protection, Site No. 3	Sheet 3
50-4-3059	Normal Bank Protection, Mile 107.4 to 108.9R	Sheets 1 to 7 incl.
50-4-3211	Bank Protection	Sheets 1 to 8 incl
50-4-3243	Bank Protection-Colusa to Knights Landing	Sheets 7 to 12 incl
50-4-3550	Bank Protection at Howells Landing	Sheets 1 & 2
50-4-3656	Normal Bank Protection, Mile 109.9, Right Bank Sacramento River, in 12 sheets	
50-4-3742	Bank Protection, Right and Left Banks at Various Sites from Boyer's Bend to Monument Bend, in 16 sheets.	

EXHIBIT B

- 50-4-3754 Bank Protection, Right and Left Banks Sacramento River at various Locations Between Colusa and Boyers Bend, in 22 sheets (Unit No. 4).
- 50-4-4004 Bank Protection, Various Locations, Right and Left Banks Sacramento River and Bear River and Right Bank Feather River, in 33 sheets. (Unit No. 8)
- 50-4-4078 Bank Protection, Various Locations Right and Left Banks Sacramento River and Feather River, in 30 sheets.
- 50-4-4310 Bank Protection, Various Locations, Right and Left Banks, Sacramento River between Tisdale Weir and Sacramento, in 26 sheets
- 50-4-4339 Bank Protection, Various Locations, Right and Left Banks, Sacramento River between Colusa and Boyers Bend, in 32 sheets.
- 50-4-4381 Bank Protection, Various Locations, Right and Left Banks, Sacramento River between Mile 81.0 and 144.0 in 20 sheets
- 50-4-4586 Bank Protection, Various Locations, Right and Left Banks, Sacramento River Mile 144.0 to Mile 110.0, in 18 sheets.
- 50-4-4713 Bank Protection, Various Locations, Right and Left Banks, Sacramento River Mile 60.0 to Mile 111.0, in 20 sheets.
- 50-4-4777 Bank Protection, Various Locations, Right and Left Banks, Sacramento River Mile 84.0 to Mile 148.0, in 38 sheets.
- 50-4-5011 Bank Protection, Various Locations, Right and Left Banks, Sacramento River Mile 111.0 to Mile 143.0, in 38 sheets.
- 50-4-5130 Bank Protection, Various Locations, Right and Left Banks, Sacramento River Mile 60.0 to Mile 110.0, in 41 sheets.
- 50-4-5433 Bank Protection, Various Locations, Right and Left Banks, Sacramento River Mile 61.0 to Mile 102.0, in 33 sheets.
- 50-4-5438 Bank Protection, Various Locations, Right and Left Banks, Sacramento River Mile 110.0 to Mile 184.0, in 33 sheets.
- 50-4-5712 Bank Protection, Unit 38A, Right and Left Banks, Sacramento River Mile 80.0 to Mile 193.0, in 31 sheets.
- 50-4-5714 Bank Protection, Contract 38B, Right and Left Banks, Sacramento River Mile 62.6 to Mile 117.7, in 57 sheets
- 50-4-5868 Emergency Bank Protection, Contract No. 42C, Right Bank, Sacramento River Mile 90.4 and Mile 90.9 in 5 sheets.
- 50-25-6248 Bank Protection, Sacramento River Erosion Control Sites, Sacramento RM 99.3R, in 17 sheets.

50-4-5806

Bank Protection, Contract 44, Right and Left Banks, Sacramento River
Mi. 78.3 to Mi. 143.3, in 51 sheets.

EXHIBIT C

PLATES OF SUGGESTED FLOOD FIGHTING METHODS

(See Standard Manual)

EXHIBIT C
Unattached

EXHIBIT D

CHECK LIST NO. 1
LEVEE INSPECTION REPORT

(See Standard Manual)

EXHIBIT D
Unattached

EXHIBIT E

CHECK LISTS OF LEVEES,

CHANNEL AND STRUCTURES

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

CHECK LIST NO. 2

UNIT NO. 130

Inspector's Report Sheet No. _____

Inspector _____

Date _____

Superintendent _____

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

Instructions for Completing Sheet 2, Exhibit E

(To be printed on back of Sheet 2)

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

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

CHECK LIST NO. 3

CHANNEL AND RIGHT-OF-WAY

UNIT NO. 130

Inspector's Report Sheet No. _____ Inspector _____

Date _____ Superintendent _____

Item

Remarks

(a) Name of Channel and location
by Stations

(b) Vegetal growth in channel

(c) Debris and refuse in channel

(d) New construction within
right-of-way

(e) Extent of aggradation or
degradation

(f) Condition of riprapped section

(g) Condition of bridges

(h) Measures taken since last
inspection

(i) Comments

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

- Item (a) Indicate station of observation obtained by pacing from nearest reference point.
- Item (b) Note nature, extent, and size of vegetal growth within the limits of flood flow channel.
- Item (c) Note nature and extent of debris and refuse that might cause clogging of the conduits of the irrigation intake works, fouling of the tainter gates, or the bridges over the channel.
- Item (d) Report any construction along the diversion channel or/above the diversion channel or above the diversion works that has come to the attention of the inspector and that might affect the functioning of the project.
- Item (e) Indicate any change in grade or alignment of the channels, either by disposition 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.

DRAINAGE AND IRRIGATION STRUCTURES

Inspector's Report Sheet No. _____

UNIT NO. 130

Inspector _____

Date _____

Superintendent _____

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Location by levee 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
0.15	Rt.						
0.22	"						
0.23	"						
0.32	"						
0.47	"						
3.08	"						
3.59	"						
3.59	"						
3.59	"						
6.89	"						
6.89	"						
7.95	"						
7.95	"						
8.99	"						
9.31	"						
9.87	"						
9.87	"						

CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

Inspector's Report Sheet No. _____

UNIT NO. 130

Inspector _____

Date _____

Superintendent _____

(a) Location by Levee Mileage	(b) Bank	(c) Debris or Other Obstruction to Flow	(d) Damage or Settlement of Pipe or Conduit	(e) Condition of Concrete Headwall or Invert Paving	(f) Condition of Concrete Headwall or Invert Paving	(g) Repair Measures Taken Since Last Inspection	(h) Comments
14.53	Rt.						
14.53	"						
16.92	"						
16.92	"						
16.92	"						
19.02	"						
19.02	"						
19.02	"						
19.02	"						
19.04	"						
19.30	"						
19.36	"						
19.72	"						
20.25	"						
22.35	"						
22.36	"						
22.99	"						

CHECK LIST NO. 4

DETAILED AND IRRIGATION STRUCTURES

Inspector's Report Sheet No. _____

UNIT NO. 130

Inspector _____

Date _____

Superintendent _____

(a)	Location by Levee Mileage	24.03 24.17 25.02 25.31 25.88
(b)	Bank	Rt " " " "
(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	

Instructions for Completing Sheet 6 thru 8, Exhibit
(To be printed on back of Sheet 6 thru 8)

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

EXHIBIT F

LETTER OF TRANSFER TO OR ACCEPTANCE

BY THE STATE RECLAMATION BOARD

EXHIBIT F



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

NOV 29 2016

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

Dear Ms. Gallagher:

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

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

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

Sincerely,

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

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

Enclosures

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

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

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

Standard O&M Manual San Joaquin River

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



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

REPLY TO
ATTENTION OF

Operations and Readiness Branch

AUG 22 2012

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

Dear Mr. Punia:

This letter is to transfer work performed by the Sacramento River Bank Protection Project to the Central Valley Flood Protection Board for Operation and Maintenance (O&M). The U.S. Army Corps of Engineers (USACE) completed work at the following locations:

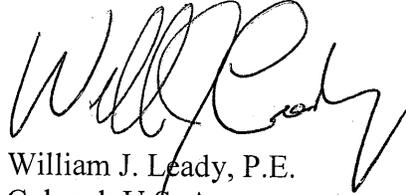
River	Site Name	O&M Manual Unit#	Drawing No.	Contract No.
Sacramento River	50.2 L	115	50-04-6118	W91238-06-C-0101
Sacramento River	51.5 L	115	50-04-6118	W91238-06-C-0101
Sacramento River	72.2 R	123	50-04-6245	W91238-06-C-0018
Sacramento River	99.3 R	130	50-25-6248	W91238-06-C-0019
Sacramento River	177.8 R	140	50-04-6280	W91238-08-C-0011
Lower American River	0.3 L	118 Part 1	50-04-6280	W91238-08-C-0011
Lower American River	2.8 L	118 Part 1	50-04-6280	W91238-08-C-0011
Feather River	28.5 R	144	50-04-6301	W91238-09-C-0021

The above work was completed under the "Agreement Between The United States of America and The State of California for Local Cooperation on the Sacramento River Bank Protection Project California," dated April 20, 1984. The work was completed in accordance with the drawings and contract numbers shown above.

The work shown above is considered complete as of the date of this letter. Attached are the revised O&M Manual Supplements. A copy of the As-Constructed drawings for the above work is included in Exhibit B of each supplement. The rehabilitation work meets the requirements of the O&M Manuals and enclosed revisions. The Central Valley Flood Protection Board shall continue to operate and maintain the completed sites as part of the project.

If you have any questions regarding the Sacramento River Bank Protection Project, please contact Mr. Dave Cook, Project Manager, at (916) 557-7890. If you have any questions regarding this transfer, please contact Mr. Ryan Larson at (916) 557-7568.

Sincerely,

A handwritten signature in black ink, appearing to read "William J. Leady". The signature is fluid and cursive, with a large initial "W" and "L".

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

Enclosure

Sac Bank Turnover 50.2L, 51.5L, 72.2R, 99.3R, 177.8R, .3L, 2.8L, 28.5R

for NAGY CO-O R12

OLSEN *PO*

HOLM *BSH*

TORBIK *R7*

for NAGY ED-D *WH*

PERLEA *MP*

FONTAINE *[Signature]*

for POEPPELMAN *RFM*

CATINE *[Signature]*

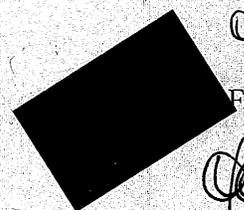
COOK *[Signature]*

CUNLEY *[Signature]*

FAUSTINO *# 8/24/12*

MULLINS *[Signature]*

LEADY *W*



cc:
CESPK-CO-OR (NAV/FLD CTRL FILE)
CESPK-PM-C (COOK)
CESPK-RE
CESPK-ED

THE RECLAMATION BOARD

1416 Ninth Street, Room 1148

Sacramento, CA 95814-5509

(916) 653-5434 FAX: (916) 653-9745

Permits: (916) 653-5726 FAX: (916) 653-5805



MAR 31 1995

Colonel John N. Reese
District Engineer
Sacramento District
U.S. Army Corps of Engineers
1325 J Street
Sacramento, California 95814-2922

Dear Colonel Reese:

This is in reference to your January 13, 1995 letter regarding the completed Sacramento River Bank Protection Project work for Contract 42A at River Miles 88.8, Right Bank, 89.0R (the downstream 1,450-foot portion), 111.2R, 111.7R, 116.7R, 121.6L, and 143.3L. At its March 17, 1995 meeting, The Reclamation Board formally accepted the completed flood control work from the U.S. Army Corps of Engineers and transferred the responsibility for operation and maintenance to the local agencies.

The work consisted of clearing and grubbing; excess soil excavation; placement of stone protection, embankment material, stone fill, and fish groins; and miscellaneous site work.

We concur that the above Contract 42A sites were constructed in conformance with Contract No. DACW05-94-C-0044, Specification Number 8385, and Drawing File Number 50-4-5806, as could be determined visually. Attached are copies of the letters to local agencies notifying them about the completed work and their responsibilities for operation and maintenance.

If you have any questions, please contact me at (916) 653-5434 or have your staff contact Jay Punia at (916) 327-1535 or Michael Petersen at (916) 327-1533.

Sincerely,

A handwritten signature in dark ink, appearing to read "Raymond E. Barsch".

Raymond E. Barsch
General Manager

Attachments

Units 187, 130, 133, 136

January 13, 1995

Navigation and Flood Control Unit

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

Members of the Board:

You are hereby notified that the Corps of Engineers has completed first construction season work on the Sacramento River Bank Protection Project, Contract 42A, at River Miles 88.8R, 89.0R (The downstream 1450 feet portion of 89.0R), 111.2R, 111.7R, 116.7R, 121.6L, and 143.3L, in Colusa, Sutter and Yolo counties, California. The work consisted of clearing and grubbing, excess excavation, placement of stone protection, embankment material, stone fill, removal and reinstallation of wood piles, and miscellaneous site work. The work was completed on November 16, 1994, in accordance with Contract Number DACW05-94-C-0044, Specification Number 8385, and Drawing File Number 50-4-5806. Work to be completed during the second construction season, beginning in May 1995 is located at Site Miles 89.0R, 90.2R, 90.8R, 94.5R, and 101.7R.

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 the date of this letter to the State of California for operation and maintenance.

This work and any special operation and maintenance requirements will be added by amendment to the Operation and Maintenance Manual, supplement numbers 127, 130, 133, and 136

Units 127, 130, 133, 136

Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

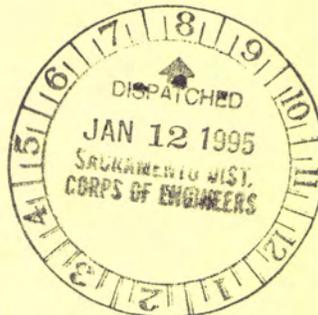
Sincerely,

John N. Reese
Colonel, Corps of Engineers
District Engineer

Copies Furnished:

Department of Water Resources, ATTN: D. Yeoman, 3201 S Street,
Sacramento, California 95816-7017
Department of Water Resources, ATTN: G. Qualley, 1416 Ninth
Street, Sacramento, California 95814
CDR, SPD, ATTN: CESP-D-CO-0
CDR, USACE, ATTN: DAEN-CECW-OM

cc:
Central Valley Sec (Pearson)
PPMD Prog Mgmt Br
F&A Br
Valley Res Ofc
CT



[Signature]
TAVANA/ms

[Signature]
VESELY

[Signature]
HOLMBERG

[Signature]
WINTON

[Signature]
DENNIS

[Signature]
NOLAN

[Signature]
STUHR



*Units
1271/301
1331/306*

[Signature]
REESE
LU\WPMT\SACTORIV.TRF

THE RECLAMATION BOARD

1416 Ninth Street, Room 455-6
Sacramento, CA 95814-5594
(916) 653-5434 FAX: (916) 653-5805



DEC 20 1993

Colonel John N. Reese
District Engineer
Sacramento District
U.S. Army Corps of Engineers
1325 J Street
Sacramento, California 95814-2922

Dear Colonel Reese:

This is in regard to your letter of September 23, 1993, in which you transferred the completed Emergency River Bank Protection work for Contract 42C of the Sacramento River Bank Protection Project at River Miles 90.4 and 90.9, Right Bank, Sacramento River, to the State of California for operation and maintenance. The Reclamation Board, at its meeting on December 20, 1993, formally accepted the completed flood control work from the District Engineer.

The work consisted of the placement of rock riprap at Site Miles 90.4 and 90.9, Right Bank, Sacramento River, respectively 125 and 354 feet long. Embankment material was then spread over the berm and the rocked slope and seeded with a California native seed mix.

We concur that Contract 42C was constructed in a workmanlike manner and in conformance with Contract NO. DACW05-93-C-0011, Specification Number 9257, and Drawing Number 50-4-5868, insofar as could be determined visually.

If you have any questions, please contact me at the above address or have your staff contact Michael Petersen at (916) 327-1533.

Sincerely,

A handwritten signature in dark ink, appearing to read "Raymond E. Barsch".

Raymond E. Barsch
General Manager

Unit 130

See attached copy of letter from Rec Bd to SRWSLD



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

REPLY TO
ATTENTION OF

September 23, 1993

Navigation & Flood Control Unit

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

Members of the Board:

You are hereby notified that the Corps of Engineers has completed the Emergency River Bank Protection work, Contract 42c, River Mile 90.4R and 90.9R, Sacramento River Bank Protection Project, Yolo County, California. The work consisted of clearing and grubbing, excavation, placement of stone protection, embankment material and stone fill and miscellaneous site work. The work was completed on June 8, 1993, in accordance with Contract Number DACW05-93-C-0011, Specification Number 9257, and Drawing Number 50-4-5868.

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 the date of this letter to the State of California for operation and maintenance.

This work and any special operation and maintenance requirements will be added by amendment to the Operation and Maintenance Manual, supplement number 130, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

Sincerely,

John N. Reese
Colonel, Corps of Engineers
District Engineer

TAVANA/ms

KENLY

HEIL

Copies Furnished:

Mr. G. Snow, Department of Water Resources, 3201 S Street, WINTON F
Sacramento, CA 95816-7017

Mr. G. Qualley, Department of Water Resources, 1416 Ninth Street, Sacramento, CA 95814

CDR, SPD, ATTN: CESP-DC-0
CDR, USACE, ATTN: ~~CECW~~-CECW-OM

DENNIS

PAHL
CHILDS

cc:
Central Valley Sec
PM-C(Childs)
PMD Prog ~~by~~ MGMT BR
F&A Br
Valley Res Ofc
CT

CERTIFIED
79767
EXHIBIT E

SAIA
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REPLY TO
ATTENTION OF

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

C
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SPKCO-0

30 November 1982

The Reclamation Board
State of California
1416 Ninth Street, Room 335
Sacramento, California 95814

Gentlemen:

This is in regard to the joint inspection of 23 November 1982 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 35), 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 right bank at Site Miles 115.3, 118.4, 123.9, 130.5, 134.7, 136.7, 137.2, 137.4 and 140.9 and left bank at Site Miles 120.7, 126.6, 132.6 and 135.4. The sites were completed on 18 November 1982 in accordance with Contract No. DACW05-81-C-0036, Specification No. 5472 and Drawing No. 50-4-5438.

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 23 November 1982 to the State of California for operation and maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 130, 131, 133 and 134, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

HENRY LEE
Lieutenant Colonel, CE
Acting District Engineer

Copy furnished:
DWR, ATTN: M. Luttropp
BWR, ATTN: D. Meixner

EXHIBIT F

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

MAR 25 1987

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 a letter dated December 22, 1986 concerning the transfer of a portion of the Sacramento River Bank Protection Project in Contract No. 38B 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 Sites Miles 92.4, 92.8, 111.4, 114.8, 115.6, and 117.7, Right Bank, Sacramento River.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-5714, Specification No. 7082, and Contract No. DACW 05-86-C-0079, insofar as could be determined visually.

The Reclamation Board, at its regular meeting of February 20, 1987, formally accepted the completed work on the above-referenced sites from the District Engineer for operation and maintenance.

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

Sincerely,

Robert L. Manning

for

RAYMOND E. BARSCH
General Manager

Check 130

*Copy to VBA
CUBES*

Goodnight

MAR 3 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 November 27, 1985 concerning the transfer of a portion of the Sacramento River Bank Protection Project in Contract No. 38A 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 Sites Miles 94.0, 96.6, 127.5, and 128.5, Left Bank, and 80.6 and 99.2, Right Bank, Sacramento River.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-5712, Specification No. 7053, and Contract No. DACW 05-84-C-0012, insofar as could be determined visually.

The Reclamation Board, at its regular meeting of December 20, 1985, formally accepted the completed work on the above-referenced sites from the District Engineer for operation and maintenance.

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

Sincerely,

Original signed by
Robert L. Manning

for

RAYMOND E. BARSCH
General Manager

bcc: Gene Snow
Robert Bailey

RRGoodnight:pva

*Units 123, 128, 130,
134*

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

*Clark
me*

November 27, 1985

CERTIFIED
No. 783704
RETURN RECEIPT REQUESTED

Navigation and Flood Control Unit

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

no

Members of the Board:

This is in regard to the joint inspection of November 14, 1985 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 38A) 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 left bank at Site Miles 94.0, 96.6, 127.5 and 128.5 and right bank at Site Miles 80.6, 99.2, and 134.6. These sites were completed during the past construction season in accordance with Contract Number DACW05-84-C-0112, Specification Number 7033 and Drawing Number 50-4-5712.

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 November 20, 1985 to the State of California for operation and maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 123, 128, 130, 134, and 137 Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

Sincerely,

Sacramento, California (City, State, and ZIP Code)
550 Capitol Mall
Department of Engineers
Military Post Office (Street or P.O. Box)
Wayne J. Scholl
Colonel, Corps of Engineers
District Engineer

*Units
123, 128,
130,
134, 137*

Rompala JB
KEELY
H
FAST

Copy Furnished:

DWR, ATTN: M. Luttrepp
DWR, ATTN: D. Weixner
Commander, South Pacific Division, ATTN: SPDCO-C
Commander, USACH, ATTN: DAEN-CWO-0

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300
FIRST CLASS PERMIT NO. 1000 SACRAMENTO, CALIF. 95814

SCHOLL
11/26

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

**DEPARTMENT OF WATER RESOURCES
THE RECLAMATION BOARD**

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



DEC 21 1982

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

Dear Colonel Williams:

Reference is made to your letter of November 30, 1982, concerning the transfer to the State of California for operation and maintenance, a portion of the Sacramento River Bank Protection Project, in Unit No. 35.

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

Sites Miles 115.3, 118.4, 123.9, 130.5, 134.7, 136.7, 137.2, 137.4, and 140.9 Right Bank, Sacramento River.

Sites Miles 120.7, 126.6, 132.6, and 135.4 Left Bank, Sacramento River.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-5438, Specification No. 5472, and Contract No. DACW 05-81-C-0036, insofar as could be determined visually.

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

Sincerely,

A handwritten signature in cursive script that reads "Eldon E. Rinehart".

ELDON E. RINEHART
General Manager

CERTIFIED MAIL
RETURN RECEIPT REQUESTED



Unit 130, 131, 133, 134



C
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Y

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

C
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REPLY TO
ATTENTION OF SPKCO-6

19 November 1979

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

Gentlemen:

This is in regard to the joint inspection of 15 November 1979 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 34), 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 right bank at Site Miles 85.9, 90.0, 91.4, 93.3, and 101.0 and left bank at Site Miles 85.1, 95.2, 99.9 and 100.9. The sites described in the inclosure were completed on 15 November 1979 in accordance with Contract No. DACW05-78-C-0046, Specification No. 5403 and Drawing No. 50-4-5433.

The work was performed under general authority of the Flood Control Act of 1980, 86th Congress, 2nd Session (PL 86-645, 14 July 1980), 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 16 November 1979 to the State of California for operation and maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplements Nos. 127, 128, and 130, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

1 Incl
Summary Sac Rv Bk
Prot. Project Unit 34

PAUL F. KAVANAUGH
Colonel, CE
District Engineer

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

EXHIBIT F

**Summary of Sacramento River
 Bank Protection Project
 Portion of Unit 34
 Sacramento River Right Bank**

Site Mile	Stone Protection	L.F.
85.9	STA. . 1+00 to 7+40	640
90.0	STA. 128 +00 to 135+80 STA. 0+00 to 0+62	818
91.4	STA. 53+70 to 58+30	460
93.3	STA. 93+80 to 102+00	820
101.0	STA. 0+60 to 11+00	1040

Sacramento River Left Bank

85.1	STA. 81+50 to 94+00	1250
95.2	STA. 22+00 to 28+00	600
99.9	STA. 30+00 to 36+00	600
100.9	STA. 83+00 to 87+00	400

**DEPARTMENT OF WATER RESOURCES
THE RECLAMATION BOARD**

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



DEC 04 1979

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 November 16, 1979, authorized me to accept from the District Engineer the completed flood control work on a portion of Unit No. 34 of the Sacramento River Bank Protection Project. The flood control work was transferred to the State of California by your letter of November 19, 1979.

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 85.9, 90.0, 91.4, 93.3, 101.0 Right Bank, and 85.1, 95.2, 99.9 and 100.9 Left Bank, Sacramento River.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-5433, Specification No. 5403, and Contract No. DACW 05-78-C-0046, insofar as could be determined visually.

Sincerely,

Eldon E. Rinehart
ELDON E. RINEHART
General Manager

CERTIFIED MAIL
RETURN RECEIPT REQUESTED



Unit 34, 12/13/79

12/13/79

29 May 1979

The Reclamation Board
 State of California
 1416 - 9th Street, Room 333
 Sacramento, California 95814

Gentlemen:

This is in regard to the joint inspection of 25 May 1979 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit No. 30), to the State of California for operation and maintenance. The flood control works consist of levee bank sloping and placement of stone protection on the Sacramento River right bank at Site Miles 91.2, 91.9, 92.3, 96.6, 99.6, 103.2 and 109.4. The sites described on the inclosure were completed on 25 May 1979 in accordance with Contract No. DACW05-76-C-0107, Specification No. 5081 and Drawing No. 50-4-5130.

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL86-545, 14 July 1960), and Section 2304 (a), Title 19, 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 25 May 1979 to the State of California for operation and maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement No. 130, Sacramento River Bank Protection Project. Copies will be furnished your office at a later date.

Sincerely,

DONALD M. O'SHEI
 Colonel, CE
 District Engineer

1 Incl
 As stated

Copy furnished:
 DWR, ATTN: R. Fransen
 ATTN: B. Maixner

GCE

SPD

ROMPALA/jb

MCBRIDE

A. SMITH

HELM

PROBASCO

HICKMAN

O'SHEI

cc: Ops Br (Flood Control) Valley Res Ofc Engr Div (Lev & Chan)
 Prog Dev Br F & A Br (Kalal)

SUMMARY OF SACRAMENTO RIVER
BANK PROTECTION PROJECT
PORTION OF UNIT 30
SACRAMENTO RIVER RIGHT BANK

<u>SITE MILE</u>	<u>STONE PROTECTION</u>	<u>L.F.</u>
91.2	64+00 to 68+25	⁴¹ 425
91.9	23+50 to 26+80	330
92.3	6+00 to 13+50	750
96.6	0+00 to 3+80	380
99.6	1+70 to 16+55	1485
103.2	1+00 to 3+50	250
109.4	3+50 to 9+40	590

4210

25 May 79

Encl 1

**DEPARTMENT OF WATER RESOURCES
THE RECLAMATION BOARD**

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



JAN 31 1979

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 19, 1979, formally accepted the completed flood control work from the District Engineer. This work is a portion of Unit No. 34 of the Sacramento River Bank Protection Project. The work was transferred to the State of California by your letter of January 9, 1979.

The flood control work was constructed in a workmanlike manner and in conformance with File No. 50-4-5433, Specification No. 5403, and Contract No. DACW05-78-C-0046, insofar as could be determined visually, at Sites Miles 94.0, 97.4, 98.5, and 99.2 Right Bank, Sacramento River.

Sincerely,

Eldon E. Rinehart
ELDON E. RINEHART
General Manager

CERTIFIED MAIL
RETURN RECEIPT REQUESTED



Unit 30
for review 12/19/79
Copy to [unclear] 1/31/79

**DEPARTMENT OF WATER RESOURCES
THE RECLAMATION BOARD**

9th Street, Room 335-18
Sacramento, CA 95814
445-9454

C
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JUN 15 1979

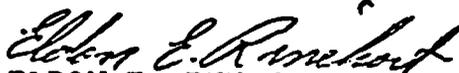
District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814

Dear Sir:

The Reclamation Board at its regular meeting of June 8, 1979, formally accepted the completed flood control work from the District Engineer. This work is a portion of Unit No. 30 of the Sacramento River Bank Protection Project. The work was transferred to the State of California by your letter of May 29, 1979.

The flood control work was constructed in a workmanlike manner and in conformance with File No. 50-4-5130, Specification No. 5081, and Contract No. DACW05-76-C-0107 insofar as could be determined visually, at Sites Miles 91.2, 91.9, 92.3, 96.6, 99.6, 103.2 and 109.4 Right Bank, Sacramento River.

Sincerely,


ELDON E. RINEHART
General Manager

CERTIFIED MAIL
RETURN RECEIPT REQUESTED



EXHIBIT F



C
O
P
Y

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

C
O
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Y

REPLY TO
ATTENTION OF SPKCO=0

9 January 1979

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

Gentlemen:

This is in regard to the joint inspection of 3 January 1979 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit No. 34), to the State of California for operation and maintenance. The flood control works consist of levee bank sloping and placement of stone protection on the Sacramento River right bank at Site Miles 94.0, 97.4, 98.5, and 99.2. The sites described on the inclosure were completed on 3 January 1979 in accordance with Contract No. DACW05-78-C-0046, Specification No. 5403 and Drawing No. 50-4-5433.

The work was performed under general authority of the Flood Control Act of 1960, 85th Congress, 2nd Session (PL86-645, 14 July 1960), and Section 2304 (a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous thereto, is transferred as of 9 January 1979 to the State of California for operation and maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement No. 130, Sacramento River Bank Protection Project. Copies will be furnished your office at a later date.

Sincerely yours,

1 Incl
As stated

DONALD M. O'SHEI
Colonel, CE
District Engineer

Copy furnished:
DWR, ATTN: R. Franson

DWR, ATTN: R. Potter

EXHIBIT F

Summary of Sacramento River
Bank Protection Project
Portion of Unit 34
Sacramento River Right Bank

<u>Site</u>	<u>Stone Protection</u>	<u>L.F.</u>
94.0 R	71+00 to 74+00	300
97.4 R	130+40 to 134+00	360
98.5 R	64+00 to 76+80	1280
99.2 R	32+60 to 36+00	340

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STATE OF CALIFORNIA
THE RECLAMATION BOARD

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January 13, 1977

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

Dear Colonel O'Shei:

The Reclamation Board at its regular meeting of January 11, 1977, formally accepted from the Corps of Engineers for operation and maintenance the completed flood control work on a portion of Unit No. 29 of the Sacramento River Bank Protection Project. The flood control work was transferred to the State of California by your letter of December 27, 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 111.5, 112.7, 116.9, 117.3, 117.8, 120.8, 121.7, 122.2, 123.8, 135.0, 135.3, 137.1, 138.8, 139.4, 142.0 and 142.5 Right Bank, Sacramento River.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-5011, Specification No. 4833, and Contract No. DACW 05-76-C0084, insofar as could be determined visually.

Sincerely,

/s/ Paul L. Clifton
PAUL L. CLIFTON
General Manager

EXHIBIT F

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

SPKCO-0



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

done

Gentlemen:

Reference is made to the joint inspection of 21 December 1976, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit No. 29) 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 right bank at Site Miles 111.5, 112.7, 116.9, 117.3, 117.8, 120.8, 121.7, 122.2, 123.8, 135.0, 135.3, 137.1, 138.8, 139.4, 142.0 and 142.5. The sites, as listed on the inclosure, were completed on 21 December 1976 in accordance with specification No. 4833, Contract No. DACW05-76-C-0084; Drawing No. 50-4-5011.

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 21 December 1976 to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 130 and 131 Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

ph
* ROMPALA/pl

for
McBRIDE

Sincerely yours,

DONALD M. O'SHEI
Colonel, CE
District Engineer

A. SMITH

HANSON

PROBASCO

O'SHEI

Units 130, 131

*Copy to Hanenago
3-Jan-77*

F & A (Kalal)

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

1 Incl
As stated

Copy furnished:
DWR, ATTN: R. Franson & Robert Potter
Dce
SPD

SUMMARY OF SACRAMENTO RIVER
BANK PROTECTION PROJECT—PORTION OF UNIT 29
SACRAMENTO RIVER RIGHT BANK

<u>SITE MILE</u>	<u>STONE PROTECTION</u>	<u>L.F.</u>
111.5	58+00 to 67+00	900
112.7	0+00 to 5+90	590
116.9	60+70 to 67+70	700
117.3	36+50 to 42+75	625
117.8	0+50 to 7+75	725
120.8	17+00 to 26+30	930
121.7	61+50 to 64+50	300
122.2	40+80 to 47+50	670
123.8	27+60 to 37+00	940
135.0	155+40 to 160+10	470
135.3	136+00 to 144+00	800
137.1	39+00 to 42+00	300
138.8	50+00 to 56+10	610
139.4	16+50 to 26+20	970
142.0	74+50 to 80+40	590
142.5	52+60 to 56+40	380

24 222 76

10,500 = Units 130, 131

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

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July 9, 1974

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

Refer to: 4130.20.306

Dear Sir:

The Reclamation Board at its regular meeting of June 28, 1974, formally accepted a portion of the completed flood control work on Unit No. 26 of the Sacramento River Bank Protection Project, from the District Engineer for operation and maintenance. The flood control work was transferred to the Reclamation Board by your June 25, 1974 letter.

The flood control work consisted of selective clearing, levee bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Sites Miles 112.6, 113.2, 113.8, 114.7, 115.1, 122.1, 137.3, 137.5, 139.5, 142.9 and 143.1 Right Bank, Sacramento River.

The flood control work was constructed in a workmanlike manner and in conformance with Drawings Nos. 50-4-4777, Specification No. 4251, and Contract No. DACW 05-73-C-0059, insofar as could be determined visually.

Sincerely yours,

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

EXHIBIT F

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

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November 18, 1974

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

Refer to: 4130.20.306

Dear Sir:

At its regular meeting of November 8, 1974, The Reclamation Board formally accepted from the District Engineer the completed flood control work on a portion of Unit No. 26 of the Sacramento River Bank Protection Project. The flood control work was transferred to the State of California by your letter of October 30, 1974.

The flood control work consisted of selective clearing, levee bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Sites Miles 89.0, 89.8, and 93.7 Left Bank, Sacramento River, and also Sites Miles 84.3, 85.9, 93.1, 95.5, and 119.5 Right Bank, Sacramento River. The construction at Site Mile 93.7 included two recreation facilities which consist of concrete boat ramp, vehicle ramps and parking areas and also pedestrian ramps.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-4777, Specification No. 4251, and Contract No. DACW 05-73-C-0059, insofar as could be determined visually.

Sincerely yours,

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

EXHIBIT F

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

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November 15, 1974

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

Refer to: 4130.20.206

Dear Sir:

At its regular meeting of November 8, 1974, the Reclamation Board formally accepted from the District Engineer the completed flood control work on a portion of Unit No. 24 of the Sacramento River Bank Protection Project. The flood control work was transferred to the State of California by your letter of November 5, 1974.

The flood control work consisted of selective clearing, levee bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Sites Miles 62.5, 62.9, 94.8, and 111.9 Right Bank, Sacramento River.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-4713, Specification No. 4169, and Contract No. DACW 05-73-C-0038, insofar as could be determined visually.

Sincerely yours,

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

C
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THE RECLAMATION BOARD
STATE OF CALIFORNIA

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November 12, 1973

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

Refer to: 4130.60.206

Dear Sir:

Reference is made to your letter of October 18, 1973, concerning the transfer of a portion of the Sacramento River Bank Protection Project, Unit No. 24, 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 Site Miles 105.0, 103.0, 100.7, 86.6 and 85.5 all on the Left Bank, Sacramento River.

The flood control work has been completed and was constructed in a workman-like manner. This flood control work has been constructed in conformance with Drawing No. 50-4-4713, Specification No. 4169, and Contract No. DACW05-73-C-0038, insofar as could be determined visually.

The Reclamation Board at its regular meeting of November 9, 1973, formally accepted for operation and maintenance, the completed flood control work on the above referenced sites.

Sincerely yours,

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

Flood Control

SPKCO-0

5 November 1974

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

Jones

Gentlemen:

Reference is made to the joint inspection of 4 November 1974, made for the purpose of transferring a portion of the Sacramento River Bank Protection Work (Unit No. 24), to the State of California for operation and maintenance. This portion of flood control work consists of levee sloping and the placement of stone protection on the Sacramento River right bank at Site Miles 11.9, 94.8, 62.9, and 62.5. The sites, as listed on the inclosure were completed on 4 November 1974 in accordance with Specification No. 4169, Contract No. DACW05-73-C-0038, Drawing No. 50-4-4713.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304 (a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work, together with the waterway banks contiguous thereto, is transferred as of 5 November 1975 to the State of California for operation and maintenance.

This portion of the project works will be added by amendment to Operation and Maintenance Manual, Units Nos. 116 and 130 Sacramento River Flood Control project. Copies will be furnished your office at a later date.

Sincerely yours,

1 Incl
As stated

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

Copy Furnished:
DWR, ATTN: John Wright
cc:
OCE Engrg (Lev & Chan)
 (Prog Dev)
SPD Valley Res Ofc
 F&A (Jones)

Unit 116, 130

Wait/kic
WAIT/kic
ITEL

COLEMAN
COLEMAN

HENSON
HENSON

McKINSTRY
McKINSTRY

POTAMOS
POTAMOS

ROCKWELL
ROCKWELL

SUMMARY OF PORTION OF SACRAMENTO
RIVER BANK PROTECTION PROJECT UNIT #24

Sacramento River Right Bank

<u>Site Mile</u>	<u>Stone Protection</u>	<u>Length</u>
111.9	33+00 to 45+00	1200
94.8	98+00 to 132+00	3400
62.9	218+72 to 226+60	788
62.5	240+00 to 252+00	1200

Unit 116, 130

20
SRBP

SPKCO-0

30 October 1974
18 Nov 1974

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

Jone

Gentlemen:

Reference is made to the joint inspection of 22 October 1974, made for the purpose of transferring a portion of the Sacramento River Bank Protection work (Unit No. 26), to the State of California for operation and maintenance. This portion of flood control work consists of levee sloping and the placement of stone bank protection on the Sacramento River right bank at Site Miles 119.5, 95.5, 93.1, 85.9 and 84.3, and left bank at Site Miles 93.7, 89.8 and 89.0. Site Mile 93.7 includes two recreation facilities which consist of boat ramp, vehicle parking areas and pedestrian ramps. The sites, as listed on the inclosure, were completed on 22 October 1974 in accordance with Specification No. 4251, Contract No. DACW05-73-C-0039, Drawing No. 50-4-4777.

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 October 1974 to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to Unit Nos. 127, 128, 130 and 131 in Operation and Maintenance Manuals, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

WAIT/ph/Redac

Sincerely yours,

[Signature]
COLEMAN

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

*Units 127,
128,
130, 131*

[Signature]
HENSON

[Signature]
MCKINSEY

[Signature]
ROCKWELL

✓ 1 Incl
As stated

Copy furnished:
✓ DDCE, ATTN: John Wright
✓ SPD

cc:
✓ Engr (Lev-Chan)
✓ Engr (Prog Dev)
✓ Valley Res Ofc
✓ F&A (Jones)

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

[Handwritten mark]

SUMMARY OF PORTION OF SACRAMENTO
 RIVER BANK PROTECTION PROJECT UNIT # 26
 SACRAMENTO RIVER, RIGHT AND LEFT BANKS

RIGHT BANK

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L.F.</u>
119.5	6+50 to 12+00	550
95.5	16+00 to 35+50	1950
93.1	47+00 to 61+35	1435
85.9	0+00 to 7+55	755
84.3	6+50 to 12+00	550

LEFT BANK

93.7	25+00 to 30+60	560
89.78	0+00 to $\frac{3+78}{0+00}$ 3+45	428 345
	0+00 to 0+50	
89.0	21+00 to $\frac{29+81}{0+00}$	
	0+00 to 5+75	1456
		7684 7601

Um 95 127,
 128, 130, 131

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

done

Gentlemen:

Reference is made to the joint inspection of 19 June 1974, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit No. 26), to the State of California for operation and maintenance. This portion of the flood control work consists of levee and bank sloping, and placement of stone bank protection on the Sacramento River right bank at Site Miles 112.6, 113.2, 113.8, 114.7, 115.1, 122.1, 137.3, 137.5, 139.5, 142.9, and 143.1. The sites, as listed on the enclosure, were completed on 19 June 1974 in accordance with Specification No. 4251, Contract No. DACW05-73-C-0059, Drawing No. 50-4-4777.

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 25 June 1974 to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplements Nos. 130 and 131, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

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

Units 130, 131

1 Incl
As stated

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

OCE
SPD

RMPALA/dc
Redac

COLEMAN

HENSON

MCKINNEY

POTAMOS

ROCKWELL

Y

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Valley Res Ofc
F & A (Jones)

Engr (Lev & Chan)
Engr (Prog Dev)

cc:

SUMMARY OF PORTION OF SACRAMENTO
RIVER BANK PROTECTION PROJECT UNIT #26
SACRAMENTO RIVER RIGHT BANK

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L.F.</u>
112.6	5+00 to 8+50	350
113.2	105+65 to 109+50	385
113.8	69+00 to 82+50	1350
114.7	31+00 to 36+00	500
115.1	0+00 to 11+00	1100
*122.1	46+50 to 53+00	650
137.3	25+00 to 30+30	530
137.5	12+55 to 17+00	445
139.5	13+00 to 17+00	400
142.9	30+00 to 33+40	340
143.1	18+00 to 20+70	270
		<u>6320</u> <i>OL</i>

*Extended

Units 130,131

20 May 1974

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

done

Gentlemen:

Reference is made to the joint inspection of 16 May 1974, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit No. 24), to the State of California for operation and maintenance. This portion of flood control work consists of levee and bank sloping, and placement of stone bank protection on the Sacramento River left bank at Site Miles 77.4, 77.6 and 78.5 and right bank at Site Miles 73.1, 74.7, 75.7, 100.7 and 101.7. The sites, as listed on the enclosure, were completed on 16 May 1974 in accordance with Specification No. 4169, Contract No. DACW05-73-C-0038, Drawing No. 50-4-4713.

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 20 May 1974 to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplements Nos. 123, 124 and 130 Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

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

1 Incl
As stated

Copy furnished:
DWR, ATTN: John Wright and Carl King
OCE
SPD

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

*Units 1231
1241130*

Valley
F & A (Jones)

Engr (Lev & Chan)
Engr (Prog Dev)

cc:

W
ROMPALA/dc
Redac

M for
COLIMAN
[Signature]
HENSON

[Signature]
MADONLY
[Signature]
POTAMOS

K
ROCKWELL
h

SUMMARY OF PORTION OF SACRAMENTO RIVER
BANK PROTECTION UNIT NO. 24

Sacramento River Left Bank

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L.F.</u>
77.4	60+15 to 72+00	1185
77.6	49+60 to 56+00	640
78.5	4+00 to 12+00	800
		<u>2625</u> <i>ck</i>

Sacramento River Right Bank

73.1	176+00 to 181+21	521
*74.7	87+25 to 99+00	1175 <i>— see records show 1120</i>
75.7	34+00 to 44+00	1000
100.7	19+22 to 23+00	378
101.7	14+65 to 24+00	935
		<u>4009</u> <i>ck</i>

*Extended upstream 75'±
20'

Total 6634 *ck*

Units 123, 124, 130

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

C
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October 1, 1973

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

Refer to: 4130.60.305

Dear Sir:

Reference is made to your letter of September 25, 1973, concerning the transfer of a portion of the Sacramento River Bank Protection Project, Unit No. 22, 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 Site Miles 110.9, 118.6, and 123.9 all on the Left Bank, Sacramento River and 110.8, 123.3, 124.1, 126.5, and 128.0 all on the Right Bank, Sacramento River.

The flood control work has been completed and was constructed in a workmanlike manner. This flood control work has been constructed in conformance with Drawing No. 50-4-4586, Specification No. 3924, and Contract No. DACW05-72-C-0057, insofar as could be determined visually.

The work performed at Site Miles 123.3, 124.1 Right Bank and 123.9 Left Bank differed from your normal standards in that the rock revetment was terminated at Elevation 45.0 rather than at the top of the berm. It is the Reclamation Board's understanding, in accordance with Mr. Weddell's letter of November 29, 1972, that these sites are considered experimental and if found to be unsuccessful within a five (5) year period, the Corps of Engineers will complete the work to an acceptable standard.

The Reclamation Board, at its regular meeting of September 28, 1973, formally accepted for operation and maintenance the completed flood control work on the above referenced sites, based on the above understanding.

Sincerely yours,

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

EXHIBIT F

25 September 1973

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

Gentlemen:

The purpose of this letter is to officially transfer a portion of the Sacramento River Bank Protection Project (Unit No. 22), to the State of California for operation and maintenance. This portion of flood control work consists of levees sloping and the placement of stone bank protection on the Sacramento River left bank at Site Miles 110.9, 118.6 and 123.9 and right bank at Site Miles 110.8, 123.3, 124.1, 126.5 and 128.0. The sites, as listed on the inclosure, were completed on 24 September 1973 in accordance with Specification No. 3924, Contract No. DACW05-72-C-0057, Drawing No. 58-4-4586.

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 25 September 1973 to the State of California for operation and maintenance.

This portion of the project will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 128, 130, 131, ~~132~~, and 134, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

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

1 Incl
As stated

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

Valley Res Ofc
F & A (Jones)

cc: Engr (lev & Chan)
Engr (Prog Dev)

ROMPALA/d
Redac

COLEMAN

HENSON

McKINSEY

POT

WELL

Units
128, 130, 131,
131

Copies to
Ldc - Estabone
24 Sept

SUMMARY OF PORTION OF
SACRAMENTO RIVER BANK PROTECTION
UNIT NO. 22 SACRAMENTO RIVER

Left Bank

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L.F.</u>	<u>Stone Toe Wall</u>	<u>L.F.</u>
110.9	117+00 to 120+00	300		
118.6	12+00 to 18+50	650		
123.9	10+00 to 41+50	3150	10+40 to 16+50	610
		<u>4100</u>	17+50 to 24+50	700
			25+50 to 41+30	15+80

Right Bank

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L.F.</u>	<u>Stone Toe Wall</u>	<u>L.F.</u>
110.8	7+10 to 14+00	690	7+46 to 14+00	654
123.3	11+00 to 34+00	2300	11+00 to 34+00	2300
124.1	3+00 to 12+00	900	3+00 to 4+50	150
			5+50 to 10+00	450
126.5	4+00 to 12+00	800		
128.0	11+00 to 15+00	400		
		<u>5090</u>		

Units 128, 130, 131, 134

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

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October 16, 1972

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

Refer to: 4130.60.205

Dear Colonel Donovan:

Reference is made to your letter of September 21, 1972, concerning the transfer to the State of California, for maintenance and operation, a portion of the Sacramento River Bank Protection Project, Unit No. 20.

The flood control work consisting of bank sloping and the placement of stone bank protection at Site Miles 102.2 and 111.3 Left Bank Sacramento River has been completed and was constructed in a workmanlike manner. This work has been constructed in conformance with Drawing No. 50-4-4381, Specification No. 3459 and Contract No. DACW05-71-C-0051, insofar as could be determined visually.

The following sites were inspected on December 8, 1971, transferred to the State of California by Corps of Engineers' letter of December 27, 1971, and accepted by the Reclamation Board at its regular meeting of January 14, 1972. The above formalities excluded the five irrigation pumping plants to be reconstructed within the limits of the following bank protection sites:

Site Mile 93.2 Left Bank, Stations 37+25 and 46+85
Site Mile 94.7 Left Bank, Station 45+92
Site Mile 102.7 Left Bank, Station 20+10
Site Mile 96.8 Right Bank, Station 8+56

The inspection of September 6, 1972, included these sites to ascertain that the reconstruction of the five pumping plants did not impair the bank protection work accepted by the Reclamation Board at its meeting of January 14, 1972. The work previously accepted appeared to be in satisfactory condition.

The reconstruction work on five irrigation pumping plants has been completed and each pump was reconstructed in a workmanlike manner. Insofar as could be determined visually, they are in conformance with Drawing No. 50-4-4381, Specification No. 3459, Contract No. DACW05-71-C-0051, as amended by Change Order No. 72-C-0057-1, Contract No. DACW05-72-C-0057, Specification No. 3924.

The Reclamation Board at its regular meeting of October 13, 1972, formally accepted the completed work on the above-referenced sites from the District Engineer for operation and maintenance.

Sincerely yours,

/s/

A. E. McCollam

A. E. McCOLLAM

Chief Engineer and General Manager

EXHIBIT F

21 September 1972

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

Gentlemen:

Reference is made to the joint inspection of 6 September 1972 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit No. 20), to the State of California for operation and maintenance.

The flood control work consisting of bank sloping and placement of approximately 700 feet and 920 feet of stone bank protection on the Sacramento River left bank at site miles 102.2 and 111.3, respectively, and five pumps at site miles 93.2 left, 94.7 left, 102.7 left and 96.8 right. The work was completed on 6 September 1972, in accordance with Specification No. 3459, Contract No. DACW05-71-C-0051, and Drawing No. 50-4-4381.

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 21 September 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, Supplements No. 128 and No. 130. Copies will be furnished your office at a later date.

Sincerely yours,

JAMES C. DONOVAN
Colonel, CE
District Engineer

Copy furnished:
EMR, ATTN: John Wright, Carl King

HQDA (DAEN-CWO)
SPD

Notes pump sites at one mile site

[Signature]
ROMPALA/ SM
[Signature]
COLEMAN
[Signature]
HENSON
[Signature]
MCKINSEY
[Signature]
LORD

DONOVAN
[Signature]

Units 128, 130

*Copies to Colonel Huber
25/9/72*

F & A Br (Jones)
Valley Res Ofc

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

C
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THE RECLAMATION BOARD
STATE OF CALIFORNIA

C
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17 January 1972

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

Refer to : 4130.60.205

Dear Sir:

Reference is made to your letter of December 27, 1971, concerning the transfer of a portion of the Sacramento River Bank Protection Project, Unit No. 20, to the State of California for operation and maintenance.

The flood control work completed at Site Miles 93.2, 94.7, 97.6, 102.7 Left Bank and Site Miles 81.0, 84.6, 89.3, 96.8, 101.4 Right Bank of the Sacramento River was constructed in accordance with Drawing No. 50-4-4381, Specification No. 3459, and Contract No. DACW05-71-C-0051, with the exception of the reinstallation of the irrigation pumping plants located at Site Mile 93.2, Stations 37+75 and 46+85, Site Mile 94.7, Station 45+92, Site Mile 102.7, Station 20+10 all on the Left Bank, and Site Mile 96.8, Station 8+56, on the Right Bank.

The Reclamation Board, at its regular meeting of January 14, 1972, formally accepted the completed portions of work on the above-referenced sites from the District Engineer for operation and maintenance. The work accepted consists of levee enlargement, rock toe wall and stone bank protection. Not accepted were the five irrigation pumping plants located at the above-referenced sites and stations. Reinstallation of the pumps is still in progress and the above-noted pump sites will be accepted upon satisfactory completion of this work.

The Reclamation Board, at the same meeting, transferred the completed portions of work on the above-referenced sites to the following maintaining agencies for operation and maintenance:

Reclamation District No. 1500

Site Miles 93.2, 94.7, 97.6 and 102.7 Left Bank, Sacramento River

Reclamation District No. 1600

Site Mile 81.0 Right Bank, Sacramento River

Sacramento River West Side Levee District

Site Miles 96.8 and 101.4 Right Bank, Sacramento River

State Maintenance Area No. 6 (DWR)

Site Miles 84.6 and 89.3 Right Bank, Sacramento River.

Sincerely yours,

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

EXHIBIT F

C
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THE RECLAMATION BOARD
STATE OF CALIFORNIA

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December 31, 1971

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

Refer to: 4130.60.304

Dear Sir:

Reference is made to Unit No. 17 of the Sacramento River Bank Protection Project, with special reference to the transferring of a portion of the above project to the State of California for operation and maintenance.

The completed work on Unit No. 17 was constructed in accordance with Specification No. 3406, Contract No. DACW05-70-C-0049, Drawing No. 50-4-4339.

The Reclamation Board at its regular meeting of December 17, 1971, formally accepted from the District Engineer the above-referenced project for operation and maintenance. At the same meeting the Reclamation Board transferred the following sites to the maintaining agencies for operation and maintenance.

Sacramento River West Side Levee District

Site Miles 112.3, 121.1, 123.1, 124.7, 125.1, 127.1, 130.7,
132.7, 141.7 and 142.6 Right Bank Sacramento River

Reclamation District No. 70

Site Mile 126.0 Left Bank Sacramento River

District Engineer

-2-

December 31, 1971

Reclamation District No. 1500

Site Miles 116.4 and 117.3 Left Bank Sacramento River

Statutory Maintenance Area (DWR)

Site Mile 138.5 Left Bank Sacramento River

Sincerely yours,

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

27 December 1971

Valley Res Ofc

F & A (Jones)

Engr(Prog Dev)

Engr(Lev&Channs)

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

Gentlemen:

Reference is made to the joint inspection of 8 December 1971 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit No. 20), to the State of California for operation and maintenance.

The flood control work consists of bank sloping, placement of stone bank protection and levee enlargement on the Sacramento River left bank at Site Miles 93.2, 94.7, 97.6 and 102.7, and right bank at Site Miles 81.0, 84.6, 89.3, 96.8 and 101.4. The work was completed on 8 December 1971 with the exception of the installation of pumps at Site Miles 93.2 left, 94.7 left, 102.7 left, and 96.8 right, in accordance with Specification No. 3459, Contract No. DACW05-71-C-0051, and Drawing No. 50-4-4381.

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 27 December 1971, 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, Supplements Nos. 123, 127, 128 and 130. Copies will be furnished your office at a later date.

Sincerely yours,

JAMES H. HIGMAN
Lieutenant Colonel, CE
Acting District Engineer

1 Incl
Summary

Copy furnished:
DWR, J. Wright & C. King
HQDA (DAEN-CWO); SPD

Units 123, 127, 128, 130

RCMP
ROMPALA/jmc
itl
COLEMAN
HENSON
HART
HIGMAN
ht

SUMMARY OF PORTION OF SACRAMENTO RIVER BANK PROTECTION PROJECT

UNIT NO. 20, 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>LEVEE ENLARGEMENT</u>	<u>L.F.</u>
101.4	0+00 to 15+00	1500			10+00 to 13+00	300
96.8	4+00 to 9+65	565				
89.3	3+00 to 17+72	1472				
84.6	0+00 to 1+00)		0+00 to 1+00)			
	19+56 to 30+91)	1235	29+25 to 30+91)	266		
			20+50 to 27+00	650		
81.0	19+00 to 20+09 Bk)					
	20+00AH to 34+93)	1702				
	0+00 to 1+00)					

6474

LEFT BANK:

102.7	1+00 to 3+09 Bk)					
	3+10AH to 22+89)	2188				
97.6	38+00 to 49+00	1100				
94.7	27+40 to 60+00	3260				
93.2	30+00 to 55+85	2585				

9133

Total 15607

Units 123, 127, 128, 130

SPKCO-0

30 November 1971

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

Gentlemen:

Reference is made to the joint inspection of 23 November 1971, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit #17), to the State of California for operation and maintenance.

The flood control work consists of bank sloping, placement of stone bank protection and levee enlargement on the Sacramento River left bank at Site Miles 116.4, 126.0 & 138.5 and right bank at Site Miles 112.3, 121.1, 123.1, 124.7, 125.1, 127.1, 130.7, 132.7, 141.7 & 142.6. A list covering the completed work is inclosed. The work was completed on 23 November 1971 in accordance with Specification No. 3406, Contract No. DACWC5-70-C-0049, Drawing No. 50-4-4339.

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 23 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. 128, 130, 131, 134 & 136, 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
as stated

Copy furnished:
DWR, ATTN: John Wright

DAEN-CWO
SPD

cc: Engr-Lev&Chan; Engr-Prog Dev; Valley; F&A(Jones)

ROMPALA/p

COLEMAN

HEMSON

DONOVAN

*Units 128, 130,
131, 134, 136*

Copies to Goodnight, Adams & Huber 2006/21

SUMMARY OF PORTION OF SACRAMENTO RIVER BANK PROTECTION PROJECT, UNIT 17,
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>LEVEE ENLARGEMENT</u>	<u>L.F.</u>
112.3	17+00 to 23+00	600	20+60 to 23+00	240		
121.1	0+00 to 7+00	700				
123.1	0+00 to 11+13	1113	0+00 to 1+22	122		
124.7	35+00 to 50+50	1550	47+75 to 49+00	125		
125.1	20+62 to 27+00	638	21+00 to 27+22	600		
127.1	2+00 to 5+50	350				
130.7	9+00 to 12+52	352	10+85 to 12+52	167		
132.7	0+00 to 23+00	2300	3+68 to 5+75	207	0+00 to 23+00	2300
141.7	85+00 to 95+35	1035	93+30 to 95+35	205		
142.6	40+70 to 52+82	1212	42+35 to 50+75	840		

9850

LEFT BANK:

116.4	65+15 to 74+94	979				
126.0	0+00 to 5+80	580	1+27 to 3+48	221	3+00 to 5+80	280
138.5	107+72 to 118+00	1028			107+00 to 117+00	1000

2587

Total 12,437

Units 12, 8, 130, 131,
134, 136

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DEPARTMENT OF WATER RESOURCES
STATE OF CALIFORNIA

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October 2, 1970

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

Subject: 4130.60.204
Your Contract 70-C-0008
Sacramento River Bank Protection
Project, Unit No. 16

Dear Sir:

Reference is made to the precompletion inspection of a portion of the above referenced project made on September 23, 1970.

The work sites inspected were as follows:

Site Mile 61.0, Left Bank, Sacramento River
Site Mile 70.4, Right Bank, Sacramento River
Site Mile 71.5, Right Bank, Sacramento River
Site Mile 71.9, Right Bank, Sacramento River
Site Mile 77.0, Right Bank, Sacramento River
Site Mile 77.85, Right Bank, Sacramento River
Site Mile 84.5, Right Bank, Sacramento River
Site Mile 96.8, Right Bank, Sacramento River
Site Mile 83.45, Left Bank, Sacramento River
Site Mile 89.6, Left Bank, Sacramento River
Site Mile 95.4, Left Bank, Sacramento River
Site Mile 95.6, Left Bank, Sacramento River

The work appeared to be completed in an acceptable manner and, insofar as could be determined visually, in conformance with the plans and specifications for the project. No deficiencies were noted.

Sincerely yours,

/s/ Clyde E. Shields
Clyde E. Shields, Chief
Construction Branch
Division of Design and Construction

EXHIBIT F

SPKCO-0

28 September 1970

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

Gentlemen:

Reference is made to the joint inspection of 23 September 1970, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit #16), to the State of California for operation and maintenance.

83.45

The flood control work consists of levee setback, bank sloping and placement of stone bank protection on the Sacramento River left bank at Site Miles 61.0, 89.6, 95.4 & 95.6, and right bank at Site Miles 70.4, 71.5, 71.9, 77.0, 77.85, ~~82.45~~, 84.5 & 96.8. A list covering the completed work is inclosed. The work was completed on 23 September 1970 in accordance with Specification No. 3390, Contract No. DACW05-70-C-0008, Drawing No. 50-4-4310.

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 23 September 1970 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. 122, 123, 124, 127, 128 & 130, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

JAMES H. HIGMAN
Lieutenant Colonel, CE
Acting District Engineer

1 Incl (in dupe)
as stated

Copy furnished:
DWR, ATTN: John Wright

OCE
SPD

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

WAIT/pp

COLEMAN

NENSON

HART

HIGMAN

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Units 122, 123, 124, 127, 128, 130

SUMMARY OF SACRAMENTO RIVER BANK PROTECTION PROJECT - UNIT 16, SACRAMENTO

LEFT BANK

<u>SITE MILE</u>	<u>LEVEE SETBACK STATION</u>	<u>L.F.</u>	<u>STONE PROTECTION STATION</u>	<u>L.F.</u>	<u>STONE TOE WALL STATION</u>	<u>L.F.</u>
61.0			34+00 to 43+00	900	34+00 to 35+40	140
89.6			0+00 to 5+00	500		
95.4			10+00 to 18+00	800		
95.6			0+00 to 6+57	657		

83.45 ←

RIGHT BANK

70.4			-0+25 to 1+00	125	-0+25 to 1+00	125
71.5			45+00 to 64+00	1900	51+80 to 52+20	40
					59+30 to 60+83	153
71.9			34+00 to 41+00	700		
77.0			166+00 to 172+00	600		
77.85			130+00 to 133+00	300		
83.45			491+61 to 481+93	968		
84.5			0+00 to 7+45	745	1+78 to 5+90	312
96.8	9+00 to 16+00	700	9+00 to 15+00	600		

*Units 122, 123, 124,
127, 128, 130*

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

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January 27, 1970

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

Refer to: 4130.60.204

Dear Sir:

Reference is made to your letter of January 8, 1970 concerning transfer to the State of California of a portion of the Sacramento River Bank Protection Project, Unit No. 16, consisting of Sites Mile 93.8, 98.4 and 103.5, left bank, and Sites Mile 92.9, 105.7, and 114.1, right bank, Sacramento River for maintenance and operation.

This work was constructed in accordance with Specification No. 3390, Contract No. DACW05-70-C-0008, Drawing No. 50-4-4310.

The Reclamation Board, at its meeting of January 23, 1970, formally accepted the above-referred to work for operation and maintenance with the stipulation that rainwash erosion occurring on Sites Mile 93.8, 98.4 and 103.5 left bank be repaired and the slopes and berm be reseeded in the spring of 1970.

Sincerely yours,

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

EXHIBIT F

8 January 1970

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

Gentlemen:

Reference is made to the joint inspection of 6 January 1970, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit #16), to the State of California for operation and maintenance.

The flood control work consists of levee setback, levee enlargement, bank sloping and placement of stone bank protection on the Sacramento River left bank at Site Miles 93.8, 98.4 & 103.5 and right bank at Site Miles 92.9, 105.7 and 114.1. A list covering the completed work is inclosed. The work was completed on 6 January 1970 in accordance with Specification #3390, Contract No. DACW05-70-C-0008, Drawing No. 50-4-4310.

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 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 No. 128 & 130, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

GEORGE B. FINK
 Colonel, CE
 District Engineer

1 Incl (in dupe)
 as stated

Copy furnished:
 DWR, Attn: John Wright

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

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

R
 ROMPALA/P

COLEMAN

for SMOB
 HENSON

HART

FINK

Unit 128, 130

SUMMARY OF SACRAMENTO RIVER BANK PROTECTION PROJECT
PORTION OF UNIT 16 SACRAMENTO RIVER

Right Bank

SITE MILE	LEVEE SETBACK STATION	L.F.	LEVEE ENLARGEMENT STATION	L.F.	STONE PROTECTION STATION	L.F.
92.9					0.00 to 4+60	460
105.7	0+00 to 18+75) 20+00 to 35+00)	3375			0+00 to 34+00	3400
114.1			6+50 to 15+22	872	0+00 to 15+22	1522

5382

Left Bank

93.8					0+00 to 14+75	1475
98.4					0+00 to 22+50	2250
103.5					-5+00 to 4+25	925

2810

Unit 128-130

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

DEC 23 1968

4130.60.203

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

Dear Sir:

Reference is made to your letter of November 5, 1968 concerning transfer to the State of California of a portion of the Sacramento River Bank Protection Project, Unit No. 12, consisting of Sites Mile 100.9, 100.3, 95.3, 89.2 and 87.0, right bank, Sacramento River and Sites Mile 88.7 and 61.5, left bank, Sacramento River for maintenance and operation.

This work was constructed in accordance with Specification No. 3288, Contract No. DACW05-68-C-0014, Drawing No. 50-4-4078.

The Reclamation Board, at its meeting of December 20, 1968, 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

5 November 1968

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

Gentlemen:

Reference is made to the joint inspection of 4 November 1968, made for the purpose of transferring a portion of the Sacramento River Bank Protection Work (Unit #12), to the State of California for operation and maintenance.

The flood control work, consisting of levee enlargement, bank sloping, levee setback and placement of stone bank protection on the Sacramento River at Site Miles 100.9, 100.3, 95.3, 89.2 and 87.0, right bank; and Site Miles 88.7 and 61.5, left bank, is listed on the attached inclosure. The work was completed on 4 November 1968, in accordance with Specification No. 3288, Contract No. DACW05-68-C-0014, Drawing No. 50-4-4078.

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 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. 124, 127, 128 & 130, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

CRAWFORD YOUNG
Colonel, CE
District Engineer

✓ 1 Incl.
as stated

✓ Copy furnished:

DWR
OCE & SPD

cc: Engr-Lev&Chan; Engr-Prog Dev; F&A(Cordano); Valley Area Ofc

JK
ROMPAIA/p

COLEMAN

McB
HENSON

YOUNG
7

*Units 124
127, 128
130*

THE RECLAMATION BOARD

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



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

FEB 20 1967

Refer to: 4130.60.301

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

Dear Sir:

Reference is made to your letter of October 26, 1965 concerning transfer to the State of California of the Sacramento River Bank Protection Project, Unit No. 4, Sites Mile 142.65, 118.70, 112.30 (3 sites), right bank and 142.95, 130.22, 128.80, 126.80, 125.15, 117.95, 113.30, left bank, in accordance with Specification No. 3024.

The Reclamation Board, at its meeting of February 16, 1967, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

A. E. McCollam

A. E. McCOLLAM
General Manager

JHMacC:pa

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

*Units 128, 130, 131, 133,
134, 136*

*COPIES TO ENR & VANCIVY.
7 MAR 67 JK.*

THE RECLAMATION BOARD

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



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

NOV 22 1966

Refer to: 4130.60.302
Contract No. 66-50

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

Dear Sir:

Reference is made to your letter of November 8, 1966 concerning transfer to the State of California of the Sacramento River Bank Protection Project, Unit No. 8, Sites Mile 111.0, 113.5, 113.9, 115.7, 116.5, 117.5, 128.2 and 135.2, right bank, in accordance with Specification No. 3154.

The Reclamation Board, at its meeting of November 17, 1966, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

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

A. E. McCOLLAM
General Manager

JHMacC:pa

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Units 130, 131

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SPKGD-F

8 November 1966

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

Gentlemen:

Reference is made to the joint inspection of 4 November 1966, made for the purpose of transferring a portion of the Sacramento River Bank Protection work to the State of California for operation and maintenance.

The flood control work consisted of levee enlargement, bank sloping, levee setback and placement of stone bank protection on the right bank of the Sacramento River at Site Miles 111.0, 113.5, 113.9, 115.7, 116.5, 117.5, 128.2 and 135.2, as listed on the attached inclosure. The work was completed on 4 November 1966, in accordance with Specification No. 3154, Contract No. DA-04-167-CIVENG-66-50, Drawing No. 50-4-4004.

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

The flood control work as described on the attached inclosure, now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said flood control work, together with the waterway banks contiguous thereto, are transferred to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operations and Maintenance Manual, Supplement Nos. 150 & 131, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

/s/ Crawford Young
CRAWFORD YOUNG
Colonel, CE
District Engineer

EXHIBIT F

C
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SPKKO-F

26 October 1965

C
O
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Y

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

Gentlemen:

Reference is made to the joint inspection made on 22 & 23 September 1965, 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. 4, consisting of levee enlargement, levee setback, shaping and placement of bank protection at 11 locations from Colusa to Boyers Bend right and left banks as listed on the attached inclosure, was completed on 20 October 1965, in accordance with Specification No. 3024, Contract No. DA-04-167-CIVENG-65-15 and Drawing No. 50-4-3754.

The flood control work as described on the attached inclosure, now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said flood control works, together with the waterway banks contiguous thereto are transferred to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement No. 128, 130, 131, 133, 134 and 136, Sacramento River Flood Control Project, and furnished your office at a later date.

Sincerely yours,

ROBERT E. MATHE
Colonel, CE
District Engineer

EXHIBIT F

COPY

THE RECLAMATION BOARD
STATE OF CALIFORNIA

9 November 1964

Refer to: 7001.60.201
4130.60.201

District Engineer
Corps of Engineers
U. S. Army
P. O. Box 1739
Sacramento, California - 95808

Dear Sir:

Reference is made to your letter of 21 October 1964, concerning transfer to the State of California of levee enlargement, levee setback, shaping and placement of bank protection at 11 sites from Boyers Bend to Monument Bend, Specification No. 2958, Contract No. 3.

The Reclamation Board, at its meeting of November 5, 1964, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

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

THE RECLAMATION BOARD

1215 O STREET • SACRAMENTO 95814



STANLEY W. KRONICK, *President*
 J. J. MADIGAN, *Vice Pres.*
 WALLACE McCORMACK, *Secy.*
 GEORGE W. NICKEL, JR.
 CHARLES J. MATHEWS
 HAROLD J. O'BANION
 MAX S. VANN, SR.
 COL. A. E. McCOLLAM, *General Manager*

January 7, 1964

Refer to: 7001.70.001
 4130.70.001

Cont. 62-60
Dwg. 50-4-3656

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

Dear Sir:

Reference is made to your letter of November 21, 1962, concerning transfer to the State of California of bank protection work on the Sacramento River, Right Bank at Mile 109.90 to 110.40 and Mile 131.75 to 132.50, between Grimes and Colusa, in accordance with Specification No. ~~2378~~.

2738

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

Sincerely yours,

A. E. McCOLLAM
 General Manager

JHMacC:gg

Unit 130, 131

21 NOV 1962

SPKRO-C

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

Gentlemen:

Reference is made to the joint inspection made on 14 November 1962 of flood control work of certain levee units of the Sacramento River Flood Control Project for the purpose of transferring them to the State of California for operation and maintenance.

The flood control work consisting of levee construction and bank revetment at two locations listed below was completed on 15 November 1962 in accordance with Specification No. 273B, Contract No. DA-04-167-CIVENG-62-60 and Drawing No. 50-4-3656.

<u>LEVEE SECT. NO.</u>	<u>SITE</u>	<u>RIVER MILE POINTS</u>
668	Right Bank, Sacramento River	109.90 to 110.40 130
669	Right Bank, Sacramento River	131.75 to 132.50 131

The flood control work described above now meets the requirements of the Sacramento River Flood Control Project. Therefore said flood control work, together with the waterway banks contiguous thereto are transferred to the State of California for operation and maintenance. A maintenance manual for these sections of project levees has already been furnished which adequately covers operation and maintenance requirements for the above items.

The levee sections described above combined with other sections previously transferred to your jurisdiction now form a continuous completed levee reach on the right bank of the Sacramento River extending from the vicinity of Knights Landing Bridge at River Mile 89.80 to Colusa Bridge at River Mile 143.50.

Unit 7 130, 131
P

REGISTERED

RETURN RECEIPT REQUESTED

668-669

OPERATIONS BRANCH
CHANNELS & LEVEES SECTION

SPKCO-C
The Reclamation Board

21 NOV 1962

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

Sincerely yours,

H. N. TURNER
Colonel, CE
District Engineer

C. R. TEAGLE
Major, CE
Deputy District Engineer

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

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

cc: Eng Div, Lev & Channels Sec
Eng Div, Prog Dev Br
F & A Br
Northern Area Office

LYK
11/20/62
KRISTOF/pnp

THOMPSON

JOHNSON

TURNER

Unit 130, 131

131

16 NOV 1959

538

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

Gentlemen:

Reference is made to the joint inspection made on 14 October 1959 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 0.50M*

The required work, consisting of levee construction and bank revetment referred to above is completed in accordance with Specifications No. 2456, Contract No. DA-04-167-CIVENG-59-40 and Drawing No. 50-4-3243. The levee sections referred to above are located on the right bank of the Sacramento River in the general area between Colusa and Knights Landing, California, and are listed as follows:

<u>LEVEE SECT. NO.</u>	<u>SITE</u>	<u>RIVER MILE POINTS</u>
650	River Farms	89.9 to 90.1
651	River Garden Farms	92.4 to 92.5
652	Tyndall Mound Warehouse	101.7 to 102.0
653	Howell's Landing Warehouse	109.0 to 109.1
654	Miller's Landing Warehouse	111.1 to 111.3
655	R. D. 108 Headquarters	117.8 to 117.9
656	Browning Warehouse	123.8 to 123.9
657	Warehouse below Grimes	124.8 to 125.0
658	Grimes Warehouse	125.0 to 125.5
659	Colusa Warehouse	142.7 to 143.5

130 (bracketed next to 652-654)
131 (bracketed next to 655-659)

The levee sections Nos. 650 to 659 inclusive, described above, now meet the requirements of the Sacramento River Flood Control Project. Therefore said levee sections, together with the waterway banks contiguous thereto, are hereby transferred to the State of California for operation and maintenance.

Posted

650 to 659, Incl.

16 NOV 1959

LHK:pnp

SPKKO-P
The Reclamation Board

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations, inclosed herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented by the current issue of the Standard Operation and Maintenance Manual for the Sacramento River Flood Control Project. As provided under Paragraph 20810(10) of these regulations, a supplement to the Standard Operations and Maintenance Manual covering these units of work is in process of preparation and will be furnished to you upon completion.

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

Sincerely yours,

H. A. MORRIS
Colonel, CE
District Engineer

1 Incl
F.C. Reg.

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

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

cc: Engr Divn, Levves & Channels Sect w/o incl
Northern Area Ofc w/o incl

OPERATIONS BRANCH

Concurrences	
Originator:	LHK
Date:	11/10/59
Dist. Engr.	3/Ham
Asst. D.E. (A)	
Asst. D.E. (O)	
Exec. Asst.	AK
Cmptlr.	
Budget Fin. & Acctg.	
Mgmt.	
Project Office Service Contract Opns	
Engr's	JKS
R. E.	
Prntl.	
Legal	
Supply	

UN 45130, 131

650 to 659, Incl

Levves 13
Levves 1A

GOODWIN J. KNIGHT
GOVERNOR

A. R. GALLAWAY, JR., SACRAMENTO
PRESIDENT
GROVER SHANNON, YUBA CITY
VICE PRESIDENT
GEO. H. HOLMES, CLARESBURG
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
1215 O STREET
SACRAMENTO 14, CALIFORNIA
TELEPHONE: MI 9-4711

A. M. BARTON
CHIEF ENGINEER AND GENERAL MANAGER
EDMUND G. BROWN, ATTORNEY GENERAL
LEGAL ADVISER
HOWARD S. HITCHCOCK
ASSISTANT CHIEF ENGINEER
WILLIAM A. CARVER
ASSISTANT SECRETARY
ROBERT W. JAMES
ASSOCIATE COUNSEL

January 26, 1959

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

Dear Sir:

Reference is made to your letter of December 5, 1958, file number SPKKO-P 824.3 (Sac Riv. FCP), regarding responsibility for operation and maintenance of the Levee Unit No. 629, which extends along the right bank of the Sacramento River at Howell's Landing from mile 109.09 to mile 109.36.

The Reclamation Board at its meeting of January 2, 1959, formally accepted the maintenance responsibility of Levee Unit No. 629 in the area described in the third paragraph of your letter under the conditions outlined therein.

Yours very truly,

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

By WILLIAM A. CARVER
Assistant Secretary

WAC:lb

Unit 130

*GL
wb*

1131

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

WBH

SPKRO-P 624.3 (Sac Riv FCP)

5 DEC 1958

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

5 Dec 58

Gentlemen:

Reference is made to the joint inspection made on 13 November 1958 of a certain levee unit pertaining to the Sacramento River Flood Control Project for the purpose of transferring it to the jurisdiction of the State of California for operation and maintenance.

The required work, consisting of construction of the levee unit referred to above was completed on 13 November 1958 in accordance with Specification No. 2506, Contract No. DA-04-167-CIVENG-59-43 and Drawing No. 50-4-3550.

This levee unit No. 629, referred to above, which extends along the right bank of the Sacramento River at Howell's Landing from mile 109.09 to mile 109.36, now meets the requirements of the Sacramento River Flood Control Project; therefore said levee unit, together with the waterway bank contiguous thereto, is hereby transferred to the State of California for operation and maintenance.

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

SAC OPNS OFC

Postcard
Unit 130

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Cont. 59-43
Unit No. 629

5 DEC 1958

SPKCO-P 824.3 (Sac Riv FCF)
The Reclamation Board

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

Sincerely yours,

1 Incl
P.C. Reg.

Copy furnished:
Dept Water Res
23rd & "E" Sts
Sacramento, Calif.

A. E. McCOLLAM
Colonel, CE
District Engineer

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

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

2

Unit 130

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

THE RECLAMATION BOARD
OF THE
STATE OF CALIFORNIA
1500 O STREET
SACRAMENTO 14, CALIFORNIA

February 7, 1955

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

Gentlemen:

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

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

Yours very truly,

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

By Donald D. Lemmon
DONALD D. LEMMON
Assistant Secretary

NDL:Tab

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

12/2/52

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

8 DEC 1952

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

Gentlemen:

Reference is made to the District Engineer's letter dated 13 October 1952, wherein it was suggested that a joint inspection be made for the purpose of transferring to the jurisdiction of the State of California, when completed, three units of the Sacramento River Flood Control Project. Reference is also made to the joint inspection of these units of work which was made on 21 October 1952.

In accordance with the above, you are hereby advised that the three levee units mentioned above, which are covered under Specification No. 1588, were completed on the dates indicated as follows:

	<u>Location</u>	<u>Date of Completion</u>
339	1. Part "A", Westerly Levee of Sacramento River, from river mile 85.3 to 85.5, and from river mile 85.9 to 87.6, near Knights Landing, California.	24 November 1952
363		
340	2. Part "B", Westerly Levee of Sacramento River, from river mile 88.4 to 89.2, near Knights Landing, California.	24 November 1952
341	3. Part "C", Westerly Levee of Sacramento River, from river mile 116.8 to 117.2, near Grimes, California	22 November 1952

824.3 (Sac R. F.C.P.) 824

127

127

130

Levee Sections 339, 340, 341 and 363
Letter No. 39

78



SPKKO-P
The Reclamation Board

The levee units referred to above, together with the patrol roads thereon, form an integral part of the Sacramento River Flood Control Project and meet with the requirements of the project. Therefore, said levee units, 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 which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented, as provided under paragraph 208.10(10) of these regulations, a maintenance manual covering these levee units 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:

Copy furnished:
State Engineer
1420 "N" Street
Sacramento, California

cc: ✓ Office of C. of E.
✓ So. Pac. Div. Eng.
✓ Eng. Div.
✓ Sacto Project Eng.
✓ Service Section
✓ C. deArrieta

Sincerely yours,

Earl G. Peacock
Lt. Col., Corps of Engineers
Executive Officer

Concurrent	
Originator	6 de A.
Date:	3 Dec. 1952
Exec. O.	4 P
Exec. Asst.	3
Chief Ad. Asst.	1 B
Accounting Exec.	
Admin.	
Ext. Aff.	
Acct.	
Manag.	
Property	
Off. Svcs.	
Comm. Oper.	
Eng'g	
R.E.	
Pers.	
Legal	
Supply	

79

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

Accepted Items

December 18, 1951

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

No.	Date of Letter	Levee Location	Remarks
1-2	1 Dec. 1951	N. and S. Training* Levees Moulton Weir*	Maintained by State
3-4	Do	N. and S. Training* Levees Colusa Weir*	Maintained by State
6	3 Dec. 1951	W. Levee Sacramento River, Mile 177.5 Mile 174.1	Maintained as Maintenance Area No. 2
9	4 Dec. 1951	E. Levee Yolo By-pass Fremont* Weir to Miner Slough*	N. 2 mi. maintained by State. Remainder by local districts. Conditioned upon completion of levee section and no acceptance of banks of Sacramento Deep Water Channel.
10 11	Do	N.&S. Levees Sacra- mento By-pass*	Maintained by State. Waterward slopes on 4 to 1 not required.
21a	6 Dec. 1951	Back levee Egbert District*	Maintained by R. D. No. 536
22	6 Dec. 1951	W. Levee Yolo By-pass Lindsey* Slough to Watson Hollow Drain*	Maintained by R. D. No. 536
24	Do	N. Levee Watson Hollow Drain*	Do
16	6 Dec. 1951	W. Levee Sacramento River Mile 59.0 to Lake Wash- ington Barge Canal	Maintained by R. D. No. 900
18	Do	W. Levee Sacramento Riv. Mile 50.8 to 50.5	Bank protection contract. Maintained by R. D. No. 765

Copy to USED.

1 21b

Accepted Items

No. Date of Letter

Levee Location

Remarks

6 6 Dec. 1951

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

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

(12) (13) (14) (15)

7 7 Dec. 1951

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

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

= 329

(87-A)

= 331

(89-A)

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

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

8 8 Dec. 1951

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

Maintained as Maintenance
Area No. 1.

(51) (52) (53) (54) (55) (56) (57)

8 Do

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

Maintained by State
Separate completed contracts.

(58) (59) (60) (61) (62) (63)

8 Do

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

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

(64) (65) (66) (67) (68) (69) (70)

8 Do

West levee, Sutter By-pass*

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

(71) (72) (73)

(74)

8 Do

North levee Tisdale
By-pass†

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

(75)

8 Do

South levee Tisdale
By-pass†

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

(76)

8 Do

East levee Sutter
By-pass*.

Maintained by State.

(81)

9 Do

W. levee Sacramento River
Mile 35.15 to 35.86.

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

(2) (21)

Accepted Items

No.	Date of Letter	Levee Location	Remarks
(91) 10	8 Dec. 1951	Cross levee Steamboat Slough to Sacramento River.*	Maintained by R.D. No. 3 (along U.S.spoil bank).
(140) 11	Do	N. levee American River from Jibboom St. Bridge to Sacramento River.	Maintained by R.D. No. 1000.
(141) 11	Do	E. levee Sacramento River American River to Natomas Cut.	Maintained by R.D.No. 1000.
(142) 11	Do	E. bank Sacramento River At Moulton Weir.	Maintained by State.
(143) 11	Do	E. Levee Sacramento River Mile 158.5 to Mile 164.4.	Maintained partly by State; remainder by Levee District.No. 3, Glenn County, Completed Contract.
(146) 11	Do	W. levee Sacramento River Mile 61.8 to Mile 62.65.	Maintained by Maintenance Area No. 4. Completed contract.
(147) 11	Do	W. Levee Sacramento River Mile 62.65 to Mile 63.1.	Maintained by R.D. No. 537 Completed contract.
(148) 11	Do	Sacramento Weir.	Maintained by State.
(152) 11	Do	Fremont Weir.	Maintained by State.
11	Do	W. Levee Sacramento River Mile 87.6 to Mile 88.4;	Maintained by R.D. No. 730 Completed contracts.
(155) (156) (157)		Mile 89.2 to Sycamore Slough	
(158) 11	Do	W. Levee Sacramento River Mile 100.6 to Mile 101.4	Maintained by Sacramento River West Side Levee District. Completed contract.
11	Do	W. Levee Feather River except: 3.31 Mi. North from Nicolaus Bridge; 1400 ft. in Yuba City; from Sta.774+80 to Sta. 1188+00 of "Y.C.H.B" Traverse.	Maintained by Maintenance Area No. 3, Levee Dist. Nos. 1 & 9 of Sutter Co. Recl. Dist.No. 777 and State.
(160) (161) (162) (163)			
(164) 11	Do	E. Levee Sacramento River, Natomas Cut to Feather River	Maintained by Recl.Dist.No.1001.
11	Do	E. Levee Feather River from mouth to Mile 26.5, except from 2.37 miles of Nicolaus Bridge to Bear River	Maintained by R.D. Nos. 1001 and 784.
(165) (166) (167) (168) (169) (170)			

Accepted
Items

5

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

(21)

4

Accepted
Items

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

12 8 Dec. 1951

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

a. Junction Miner and Sutter Sloughs westerly 5000 feet.

b. From State Highway Bridge West. 3035 ft.

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

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

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

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

Covered by letter dated 16 Nov. 1951

321

32

79A

303

Covered by letter dated

53A

304

17 Nov. 1951

54A

23

50

*No waterway banks contiguous to these levees.

REGISTERED MAIL
Receipt Receipt
Requested

Letter No. 12

12

SPKKA 824,3(Sac. Riv. F.C.P.)

8 DEC 1951

The Reclamation Board
State of California
1100 "O" Street
Sacramento 16, California

Gentlemen:

Reference is made to your letter of 22 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 located as follows:

140. a. Northerly levee of the American River from Jibboom Street Bridge to Sacramento River. 118.2 (?)

b. Easterly levee of the Sacramento River.

Reach 15 141. (1) American River to Natones Out. 60.25 to 79.0 124

Reach No. 11 142. (2) At Moulton Weir. (man 2) 154

143. (3) Mile 158.5 (North End Moulton Weir) to Mile 164.4 (Princeton Ferry). (man 2) ? 134

144. (4) Mile 168.5 to Mile 168.9 (at Dutch City). (man 2) ? 138

c. Westerly levee of the Sacramento River.

145. (1) Mile 59.9 to Mile 60.75. 116

146. (2) Mile 61.8 to Mile 62.65 (at Drye Bend) 116

62.65

Accepted by letter dated 9 March 1953

Letter 12 Items 140 to 198

12

SPKRA 024,5 (Sac. Riv. F.C.P.)
The Reclamation Board

Letter No. 12

12

c. Westerly levee of the Sacramento River, (cont'd)

- ✓ 147. (8) Mile 62.65 to Mile 63.1 (South End Sacramento Weir). 116
- ✓ 148. (4) At Sacramento Weir. 158
- ✓ 149. (5) Mile 63.5 (North End Sacramento Weir) to Mile 67.11. 122
- ✓ 150. (6) Mile 68.42 to Mile 70.9. 122
- ✓ 151. (7) Mile 76.5 to Mile 81.7 (East End Fremont Weir). 123
- ✓ 152. (8) Along Fremont Weir. 157
- ✓ 153. (9) Mile 84.0 (West End Fremont Weir) to Mile 85.3. 128
- ✓ 154. (10) Mile 85.5 to Mile 85.9. 128
- ✓ 155. (11) Mile 87.6 to Mile 88.4. 128
- ✓ 156. (12) Mile 89.2 to Mile 89.8 (Knights Landing Highway Bridge). 128
- ✓ 157. (13) Mile ^{89.2} 89.8 (Knights Landing Highway Bridge) to Sycamore Slough. 89.9 128
- ✓ 158. (14) Mile ^{100.6} 100.6 to Mile 101.4. 128
- ✓ 159. (15) Mile 110.9 to Mile 111.2. 128

Reach No. 5

Reach No. 4

d. Westerly levee of the Feather River.

- Reach 39 ✓ 160. (1) Sutter Bypass to Nicolaus Bridge. 143
- ✓ 161. (2) From a point 3.31 miles northerly from Nicolaus Bridge to the Fifth Street Bridge between Marysville and Yuba City. 143, 144
- Reach 38 ✓ 162. (3) From a point 1,400 feet northerly from the Fifth Street Bridge between Marysville and Yuba City to Station 774+00 "Y.C.N.B." Traverse. 144
- ✓ 163. (4) From a point east of Station 1188+00 "Y.C.N.B." Traverse to high ground just northerly from the Western Canal Headgate. 144

- Reach 42 ✓ 164. a. Easterly levee of the Sacramento River from Natomas Cut to Feather River. 141.1

12

Letter No. 12

12

f. Easterly levee of the Feather River.

- Reach 42 ✓ 165. (1) Sacramento River to a point 2.37 miles southerly from Nicolaus Bridge. 141 Pt 1
- Reach 41 ✓ 166. (2) Bear River to Mile 14.4. } 145
- ✓ 167. (3) Mile 14.4 to Mile 14.7.
- ✓ 168. (4) Mile 14.7 to Mile 21.5.
- ✓ 169. (5) Mile 21.5 to Mile 22.75.
- ✓ 170. (6) Mile 22.75 to Mile 26.5 (Point where levee and S.N.R.R. meet). 145

g. Levees protecting the City of Marysville. All 147

- Reach 43 ✓ 171. (1) From the W.P.R.R. at Simerly Slough easterly to the Yuba River.
- ✓ 172. (2) Along the Yuba River from the "D" Street Bridge to the back levee near the Valley Meat Company.

h. Levees protecting Reclamation District No. 10.

- Reach No. 40 ✓ 173. (1) Northerly levee of Simerly Slough from the W.P.R.R. to the S.P.R.R. 151
- ✓ 174. (2) Easterly levee of the Feather River from Simerly Slough to a point 4.3 miles northerly from Simerly Slough. 151

Reach 46 ✓ 175. i. Northerly levee of the Yuba River from the back levee of the City of Marysville to a point 1.3 miles easterly from said back levee. 147

Reach 47 ✓ 176. j. Southerly levee of the Yuba River from Feather River (i.e. S.N.R.R.) easterly to the S.P.R.R. Main Line. 147

45 ✓ 177. k. Northerly levee of Bear River from Feather River easterly to the W. P.R.R. Interceptor. 145

45 ✓ 178. l. Westerly levee of the W.P.R.R. Interceptor and Clark Slough Interceptor (i.e. back levee of Reclamation District No. 784) from Bear River to the southerly end of the Clark Slough Interceptor. 145

12

SPIKA 824.3 (Sac. Riv. P.C.P.)
The Reclamation Board

Letter No. 12

12

m. Southerly levee of the American River.

Reach
No. 25 ✓

- ✓ 179. (1) Sixteenth Street Bridge to the S.N.R.R. 118.1
- ✓ 180. (2) From a point 800 feet easterly from the W.P.R.R. to Mayhew Station. 118.1

n. Westerly levee of the Yolo Bypass.

- ✓ 181. (1) Sacramento River to Knights Landing Ridge Cut. 127
- ✓ 182. (2) Knights Landing Ridge Cut to the northeast corner of the Cache Creek Settling Basin. 126
- 28 ✓ 183. (3) S.N.R.R. Woodland Branch to a point 1.6 miles southerly from said railroad. 121
- 28 ✓ 184. (4) From a point 1.6 miles southerly from the S.N.R.R. Woodland Branch to the Willow Slough Pipes. 121
- 28 ✓ 185. (5) From a point 1.48 miles southerly from the Willow Slough Pipes to a point 1.9 miles southerly from said pipes. 121
- 28 ✓ 186. (6) From a point 1.9 miles southerly from the Willow Slough Pipes to the Willow Slough Interceptor. 121
- 28 ✓ 187. (7) From the Willow Slough Interceptor to Highway U.S. 40. 120
- ✓ 24 ✓ 188. (8) From Highway U.S. 40 to Putah Creek. 119

27 ✓ 189 o. Easterly and Westerly training levees of Cache Creek Settling Basin from Cache Creek southerly. 126

28 ✓ 190 p. Northerly and Southerly levees of the Willow Slough Interceptor from the S.P.R.R. to the Yolo Bypass. 120

29 ✓ 191 q. Northerly levee of Putah Creek from Yolo Bypass westerly to high ground. 119

✓ 192 r. Southerly levee of Putah Creek from high ground on Dixon Ridge westerly to high ground. 119

s. Southerly levee of Knights Landing Ridge Cut. 127

- 26 ✓ 193 (1) From Yolo Bypass westerly 600 feet. Also covered under Unit 96-A
- 26 ✓ 194 (2) { From a point 2,500 feet westerly from Yolo Bypass to a point 2,900 feet westerly from Yolo Bypass. 127
Also covered under 96-A

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

Letter No. 12

12

s. Southerly levee of Knights Landing Ridge Cut. (cont'd)

- 26 ✓ 195 (S) { From a point 3,300 feet westerly from Yolo Bypass to a point 7,100 feet westerly from Yolo Bypass. 127
Also covered under Unit No. 96-A
- 35 ✓ 196 t. That portion of the back or westerly levee of Hastings Tract which runs east and west along the County Road for a distance of approximately one mile. 107
- ✓ 197 u. Northerly levee of Sycamore Slough from Sacramento River to Knights Landing Outfall Gates. 130
- ✓ 198 v. Southerly levee of Sycamore Slough from Sacramento River to Knights Landing Outfall Gates. 132

The records of this office show that your Board has accepted the levees and/or works covered by Items b.(1), b.(2), b.(3), c.(2), c.(4), c.(8), c.(11), c.(12), c.(14), d.(1), d.(3), d.(4), f.(3), f.(5), g., h., i., l., m., n.(1), n.(2), n.(3), n.(6), n.(7), n.(8), o., p., q., r. and s.(1) above, as complete. Accordingly the waterway bank contiguous to said Items is hereby transferred to the State of California for maintenance and operation.

The levee covered by Items a., b.(4), c.(1), c.(3), c.(5), c.(6), c.(7), c.(9), c.(10), c.(13), c.(15), d.(2), e., f.(1), f.(2), f.(4), f.(6), j., k., n.(4), n.(5), s.(2), s.(3), t., u. and v., above, although complete has not been formally transferred as contemplated by the Project documents. Accordingly the levee covered by said Items, together with the waterway bank contiguous thereto, is hereby transferred to the State of California for maintenance and operation.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented. As provided under paragraph 206.10(10) of these regulations, a maintenance manual covering these works is in process of preparation and will be furnished your Board upon completion.

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

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. Reifsnnyder
Lt. Colonel, Corps of Engineers
Executive Officer

12

copy

REGISTERED MAIL
Return Receipt
Requested

SPENCER 684,3 (Enc. B.F.C.P.)

8 NOV 1951

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

Gentlemen:

Reference is made to letter from this office dated 7 August 1951, wherein it was proposed to transfer to the jurisdiction of the State of California eleven units of work located along the Sacramento River in accordance with the procedure set forth in the letter from this office dated 13 February 1951. Reference is also made to joint inspection of these units of work which was made on 14 August 1951. The location of these units are listed as follows:

Reference
 Drawing No.
 50-1-2816
 Part No.

			<u>Bank of</u>		<u>Station</u>	<u>River</u>
			<u>Sacramento</u>			<u>Altitude</u>
			<u>River</u>			
62-A	(K)	102.5 to 103.45	Left	62-A	880+00 to 899+00	102.5
63-A	(L)	105.65 to 106.95	Left	63-A	896+00 to 905+00	104.5
64-A	(M)	111.7 to 112.9	Right	64-A	1042+00 to 1105+00	112
65-A	(N)	114.3 to 114.9	Right	65-A	1179+00 to 1211+00	114.5
66-A	(O)	120.75 to 122.0	Left	66-A	1503+00 to 88+00	130.5
67-A	(P)	120.4 to 123.8	Right	67-A	1636+00 to 1667+00	122
68-A	(Q)	124.5 to 124.8	Right	68-A	1712+00 to 1732+55	124.5
69-A	(R)	125.8 to 125.9	Left	69-A	801+00 to 895+00	126.7
70-A	(S)	126.5 to 126.6	Right	70-A	1808+00 to 1812+00	126.5
71-A	(T)	131.8 to 132.3	Left	71-A	821+00 to 815+00	132
72-A	(U)	132.2 to 132.8	Left	72-A	832+00 to 845+00	133.5

70 = 122.0 - 165-A

} 130
 } 131

The units of work referred to above, covered by Specification No. 1416, Contract SA-06-157-eng-372, were completed on 21 September 1951, and now meet the requirements of the Sacramento River Flood Control Project. Therefore, said levee units referred to above, together with the river bank contiguous thereto, are hereby transferred to the State of California for maintenance and operation.

305 to 315 =
 Units 62-A to 72-A

21
 19

SPERO-P 624.3(Enc. S.F.C.P.)
The Reclamation Board

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 28 June 1936, as amended and supplemented. As provided under paragraph 208.10(10) of these regulations, a maintenance manual covering these levee units is in process of preparation and will be furnished your Board upon completion.

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

Sincerely yours,

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

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

305 to 315
Units 62A to 72A

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

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

THE RECLAMATION BOARD

OF THE
STATE OF CALIFORNIA

1100 O STREET
SACRAMENTO 14, CALIFORNIA

TELEPHONE: 3-4671

December 9, 1949

District Engineer
Sacramento District
P. O. Box 1739
Sacramento, California

Dear Sir: 19.1

Reference your letters of July 22 and November 14, 1949, file PSKKB-F, notifying this office of the completion of the setback of the east levee of the Sacramento River at Ministerial Bend and of the west levee of the Sacramento River below Tyndall Mound.

The Reclamation Board at its meeting December 7, 1949, accepted said units of levees for maintenance on behalf of the State of California.

Yours very truly

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

By 
S. A. HONAKER
Assistant Secretary

SAH:emw
cc: State Engineer

824.3 (SACRAMENTO RIV. FCP) PSK 9.2

JUL 22 1949

PSKID-2

*ARRANGEMENTS OF THIS SECTION OF LEVEE
WAS REFUSED BY THE RECLAMATION BOARD
BY LETTER DATED*

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

Gentlemen:

Setback of the East Levee of the Sacramento River, at Ministerial Bend, Mile 104.2 to Mile 104.7, has recently been completed. Setback of the West Levee of the Sacramento River, below Tyndall Mound, Miles 100.5 to 101.3 has also been completed recently. Therefore, in accordance with the provisions of the Sacramento River Flood Control Project, these two sections of completed levees are hereby turned over 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 a copy of Flood Control Regulations prescribed by the Secretary of War (now designated as 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 above 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 19 August 1949.

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

Sincerely yours,

3 Incls.
Drawings, File Nos.
50-4-2535 (in 1 sheet)
50-4-2540 (in 2 sheets)
Flood Control Regulations

JOSEPH S. GORLINSKI
Colonel, Corps of Engineers
District Engineer

cc:
Engr. Div. w/o Incls.
Sacto. Field Office
Cde A

Copy furnished:
State Engineer, with Incls.

Units No. 23 and 24

800.5 (Sack F.C. Proj) PSK 10

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

5 December 1956

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

Gentlemen:

Reference is made to the District Engineer's letter dated 1 November 1956 suggesting a joint inspection of certain levee sections pertaining to the Sacramento River Flood Control Project for the purpose of transferring them to the jurisdiction of the State of California for operation and maintenance. Reference is also made to the joint inspection of these levee sections made on 7 November 1956.

The required work on the levee sections referred to above was completed on 17 November 1956 in accordance with Specification No. 2068, Contract No. DA-04-167-CIVENG-56-247 and Drawing No. 50-5-3211. These levee sections are on the right bank of the Sacramento River and are listed as follows:

<u>Levee Section No.</u>	<u>Location No.</u>	<u>River Mile Points</u>
491	1	90.2 to 92.3
492	2	93.3 to 93.76
493	3	94.04 to 95.85
494	4	96.25 to 97.45
495	5	97.79 to 99.27
496	6	101.4 to 101.8
497	7	109.2 to 109.9
498	8	110.6 to 110.9
499	9	112.9 to 114.3
500	10	114.9 to 115.84
501	11	117.2 to 117.8
---	--	-----

The levee sections, Nos. 491 to 509 inclusive, described above, now meet the requirements of the Sacramento River Flood Control Project; therefore said levee sections, together with the waterway banks contiguous thereto are hereby transferred to the State of California for operation and maintenance.

EXHIBIT F
Sheet 1 of 15

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

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

Sincerely yours,

A. E. McCOLLAM
Colonel, CE
District Engineer

NOTE: Only items pertaining to Unit No. 130 contained in this copy.

EXHIBIT F
Sheet 2 of 15

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

Gentlemen:

Reference is made to the District Engineer's letter dated 21 January 1955, whereby several levee sections, including Sites Nos. 4, 6, and 7 of Contract No. DA-04-167-eng-1180, pertaining to the Sacramento River Flood Control Project, were transferred to the State of California for operation and maintenance.

The remaining sites, Nos. 1, 2, 3, and 5, covered by said Contract No. DA-04-167-eng-1180, Specification No. 1845, and Drawing No. 50-4-3008, were completed on 22 July 1955. A joint inspection of these sites was made on 28 June 1955. The locations of said sites, Nos. 1, 2, 3, and 5 are described as follows:

Levee Section No.	Drawing 50-4-3008	Waterway	LOCATION		Work Covered by Contract Traverse Sta.
	Site No.		River Mile Points	Right or Left Bank	
457	1	Sacto. River	92.7 to 92.9	Left	-0+80 to 16+80
458	2	" "	93.76 to 94.04	Right	223+00 to 238+90
459	3	" "	95.85 to 96.25	Right	1+10 to 349+00
460	5	" "	99.27 to 99.55	Right	-27+00 to 10+00

The levee sections, Nos. 457 to 460 inclusive, described above, now meet the requirements of the Sacramento River Flood Control Project; therefore, said levee sections together with the waterway banks contiguous thereto, are hereby transferred to the State of California for operation and maintenance. It is noted that the levee section No. 457 listed above, combined with others previously transferred to your jurisdiction, now form a continuous completed levee reach along the left bank of the Sacramento River extending from River Mile 92.6 to 106.95.

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

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

Sincerely yours,

WM. J. ELY
Col, CE
District Engineer

EXHIBIT F
Sheet 4 of 15

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21 January 1955

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

Gentlemen:

Reference is made to District Engineers letters dated 3 and 9 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 13 December 1954.

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

a. - - - - -

b. Westerly Levee, Sacramento River:

<u>Levee Section No.</u>	<u>DA-04-167-eng Contract No.</u>	<u>Drawing File No.</u>	<u>River Mile Points</u>
430	1123	50-4-2919	97.45 to 97.79
431	1123	50-4-2921	99.55 to 100.6
- - -	- - -	- - - - -	- - - - -

The levee sections, No. 423 to 432 inclusive, described above now meet the requirements of the Sacramento River Flood Control Project, therefore said levee sections, together with the waterway banks contiguous thereto, are hereby transferred to the State of California for operation and maintenance. - - - - -

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations, included herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented by the current issue of

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The Standard Operation Manual for the Sacramento River 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,

WM. J. ELY
Col, CE
District Engineer

NOTE: Only portions pertaining to Unit No. 130 contained in this copy.

EXHIBIT F
Sheet 6 of 15

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30 November 1956

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

Gentlemen:

Reference is made to the District Engineer's letter dated 5 November 1956 suggesting a joint inspection of certain levee sections pertaining to the Sacramento River Flood Control Project, for the purpose of transferring them to the jurisdiction of the State of California for operation and maintenance. Reference is also made to the joint inspection of these levee sections made on 7 November 1956.

The required work on the levee sections referred to above was completed on 17 November 1956 in accordance with Specification No. 2006, Contract No. DA-04-167-CIVENG-56-196 and Drawing Nos. 50-4-3058, 50-4-3059, 50-4-3062 and 50-4-3065. These levee sections on the Sacramento River listed as follows:

<u>Levee Section No.</u>	<u>Location No.</u>	<u>Drawing File No.</u>	<u>River Mile Points</u>	<u>Right or Left Bank</u>
487	A	50-4-30	102.0 to 107.4	Right
488	B	50-4-30	107.4 to 108.9	Right
489	C	50-4-30	110.4 to 110.9	Left
490	D	50-4-30	122.4 to 123.1	Left

The levee sections, Nos. 487 to 490 inclusive, described above, now meet the requirements of the Sacramento River Flood Control Project, therefore, said levee sections, together with the waterway banks contiguous thereto are hereby transferred to the State of California for operation and maintenance.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations, inclosed herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented by the current issue of the Standard Operation and Maintenance Manual for the

EXHIBIT F
Sheet 7 of 15

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

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

Sincerely yours,

A. E. McCOLLAM
Col, CE
District Engineer

EXHIBIT F
Sheet 8 of 15

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17 June 1955

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

Gentlemen:

Reference is made to the District Engineer's letter dated 21 January 1955, whereby several levee sections, including Sites Nos. 1, 2 and 4 of Contract No. DA-04-167-eng-1186, pertaining to the Sacramento River Flood Control Project, were transferred to the jurisdiction of the State of California for operation and maintenance.

The remaining Sites Nos. 3, 5, and 6 located on the right bank of the Sacramento River, covered by said Contract DA-04-167-eng-1186, Specification No. 1855 and Drawing No. 50-4-3011, were completed on 10 June 1955. A joint inspection of these sites was made on 2 June 1955. Said sites 3, 5, and 6 are listed as follows:

<u>Levee Section No.</u>	<u>Site No.</u>	<u>River Mile Points</u>	<u>Traverse Stations</u>
437	3	115.84 to 116.80	1253+50 to 1312+00
---	-	-----	-----

The levee sections, Nos. 437 to 439, inclusive, described above, now meet the requirements of the Sacramento River Flood Control Project, therefore said levee sections, together with the waterway banks contiguous thereto, are hereby transferred to the State of California for operation and maintenance.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations, inclosed herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented by the current issue of the Standard Operation and Maintenance Manual for the Sacramento River Flood Control Project. As provided under paragraph

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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.

FOR THE DISTRICT ENGINEER:

Sincerely yours,

A. D. WILDER
Lt Col, CE
Executive Officer

NOTE: Only portions pertaining to Unit No. 130 contained in this copy.

EXHIBIT F
Sheet 10 of 15

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THE RECLAMATION BOARD
OF THE
STATE OF CALIFORNIA

March 11, 1953

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

Dear Sir:

Reference your letters file No. SPKKO-P 824.3 (Sac. R. F. C. P.) dated 1 December 1951, 3 December 1951, 4 December 1951, three letters dated 6 December 1951, 7 December 1951 and six letters dated 8 December 1951. Subject letters transferred to The Reclamation Board for operation and maintenance, various levee units of the Sacramento River Flood Control Project.

The Reclamation Board at its 18 December 1951 meeting, on behalf of the State of California, accepted certain of the transferred units together with their contiguous waterway banks for operation and maintenance, and rejected others. A tabulation of the units so accepted or rejected is attached hereto.

Very truly yours,

THE RECLAMATION BOARD
A. M. BARTON
Chief Engr & Gneral Manager

By _____
/s/D. M. CARR

EXHIBIT F
11 of 15

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<u>No.</u>	<u>Date of Letter</u>	<u>Levee Location</u>	<u>Remarks</u>
11	8Dec51	W. Levee Sacramento R. Mile 100.6 to Mile 101.4	Maintained by Sac- ramento River West Side Levee District

NOTE: Only portions pertaining to Unit No. 130 contained in this copy.

EXHIBIT F
Sheet 12 of 15

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THE RECLAMATION BOARD
OF THE
STATE OF CALIFORNIA

January 8, 1953

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

Dear Sir:

Reference your letter, File No. SPKKO-P 824.3(Sac. R.F.C.P.),
dated 3 December 1952.

The Reclamation Board at its meeting December 16, 1952, accepted,
on behalf of the State of California, the levee units herein described,
and their contiguous waterway banks, for operation and maintenance.

(1) - - - - .

(2) - - - - .

(3) Part "C", Westerly levee of Sacramento River, from River Mile
116.8 to 117.2, near Grimes, California.

Above units constructed under Spec. 1588.

Yours very truly,

THE RECLAMATION BOARD
A. M. BARTON
Chief Engr & General Manager

By _____
/s/D. M. CARR

NOTE: Only portions pertaining to Unit No. 130 contained in this copy.

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THE RECLAMATION BOARD
OF THE
STATE OF CALIFORNIA

28 November 1951

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

Dear Sir:

Reference your letter 8 November 1951, file SPKKO-P 824.3 (Sac. R.F.C.P.), transferring eleven units of work located along the Sacramento River and referred to in Drawing No. 50-4-2614 as Parts Nos. (k) to (u) inclusive, and located in Reclamation Districts 70, 108, 1500 and 1660 and in Sacramento River West Side Levee District.

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

Yours very truly,

THE RECLAMATION BOARD
A. M. BARTON
Chief Engr & General Manager

by

S. A. HONAKER
Assistant Secretary

EXHIBIT F
Sheet 14 of 15

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22 December 1959

THE RECLAMATION BOARD
OF THE
STATE OF CALIFORNIA

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

Dear Sir:

Reference is made to your letter of November 16, 1959, File SPKKO-P regarding transfer to the State of Levee sections on the right bank of the Sacramento River at the locations listed below:

<u>LEVEE SECT. NO.</u>	<u>SITE</u>	<u>RIVER MILE POINTS</u>
650	River Farms	89.9 to 90.1
651	River Garden Farms	92.4 to 92.5
652	Tyndall Mound Warehouse	101.7 to 102.0
653	Howell's Landing Ware- house	109.0 to 109.1
654	Miller's Landing Ware- house	111.1 to 111.3

--

The Reclamation Board, at its meeting of December 17, 1959, formally accepted these levee sections for operation and maintenance.

Sincerely yours,

NOTE: Only portions pertaining to
Unit No. 130 contained in this copy.

/s/ _____
A.N. Murray
General Manager and
Chief Engineer

EXHIBIT F
Sheet 15 of 15

EXHIBIT G

SUGGESTED SEMI-ANNUAL REPORT FORM

EXHIBIT G

TO: 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 Apr 19__) Unit No. 130 of the Sacramento River
Flood Control Project is as follows:

a. The physical condition of the protective works is indicated by
the inspector's report, copies of which are inclosed, and may be summar-
ized 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 47.3 on the gage 2,000 feet downstream from Wilkins Slough and 41.1
on the gage at R. D. No. 108 drainage pumping plant) occured on the
following dates:

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

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

(Superintendent's log of flood observations)

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

(See Maintenance Manual _____.)

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

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

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

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

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

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

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

Respectfully submitted,

Superintendent of Works

Exhibit H

Local Cooperation Agreement

AGREEMENT BETWEEN
THE UNITED STATES OF AMERICA
AND
THE STATE OF CALIFORNIA
FOR LOCAL COOPERATION ON THE
SACRAMENTO RIVER BANK PROTECTION PROJECT CALIFORNIA

THIS AGREEMENT entered into this 20th day of April 1984 by and between the UNITED STATES OF AMERICA (hereinafter called the "Government"), represented by the Contracting Officer executing this agreement, and the STATE OF CALIFORNIA, (hereinafter called the "State"), represented by the California State Reclamation Board, WITNESSETH THAT:

WHEREAS, construction of the Sacramento River Flood Control Project, California (hereinafter call the "Project"), was authorized by Congress in the Flood Control Act of 1960, approved 86th Congress, Second Session (Public Law 86-645), as supplemented by the River Basin Monetary Authorization Act of 1974, approved 93rd Congress, Second Session (Public Law 93-251), as supplemented further by Joint Resolution of Congress (Public Law 97-377); and

WHEREAS, the State hereby represents that it has the authority and capability to furnish the non-federal cooperation required by the federal legislation authorizing the Project and by other applicable law.

NOW, THEREFORE, the parties agree as follows:

1. The State agrees that, upon notification that the Government will commence construction of the Sacramento River Bank Protection Project substantially in accordance with federal legislation authorizing such Project, Public Law 86-645 and Public Law 93-251, the State shall, in consideration of the Government commencing construction of such Project, fulfill the requirements of non-federal cooperation specified in such legislation, to wit:

a. Provide, without cost to the Government, all real estate interests necessary for the Project;

b. Hold and save the Government free from damages due to the construction, operation and maintenance of the Project except damages due to the fault or negligence of the Government or its contractors;

c. Operate and maintain the Project, or integral parts thereof, in accordance with regulations prescribed by the Secretary of the Army;

d. Undertake all relocations and alterations of roads, bridges (except railroad bridges), buildings, irrigation facilities, and other utilities which are necessary for the construction and operation of the Project;

f. Comply with Section 601 of Title VI of the Civil Rights Act of 1964 (Public Law 88-352) that no person shall be excluded from participation in, denied the benefit of, or be subjected to discrimination in connection with the Project on the grounds of race, creed, or national origin;

g. Assure that, in conjunction with acquiring rights-of-way, affected persons will be adequately informed of the benefits, policies, and procedures described in the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (Public Law 91-646), and in accordance with Sections 210 and 305 of said Act and implementing regulations, assure that;

(1) Fair and reasonable relocation payments and assistance shall be provided to or for displaced persons, as are required to be provided by a Federal agency under Sections 202, 203 and 204 of the Act;

(2) Relocation assistance programs offering the services described in Section 205 of said Act shall be provided to such displaced persons;

(3) Within a reasonable period of time prior to displacement, decent, safe, and sanitary replacement dwellings will be available to displaced persons in accordance with Section 205(c)(3) of said Act;

(4) In acquiring real property, it will be guided, to the greatest extent practicable under State law, by the land acquisition policies in Section 301 and the provisions of Section 302 of said Act;

h. Assume responsibility and pay damages, if necessary, in the event there is a failure to perform in accordance with the terms of this agreement and any other applicable provisions of Section 221 of Public Law 91-611;

1. Contribute an amount in cash which, when added to the cost of lands, easements, rights-of-way, and utility changes, equals one-third of the cost of each unit of the remedial work, this contribution to be based on the cost of the improvements shown by estimates approved by the Chief of Engineers to have economic superiority over possible alternative measures;

(1) The State shall maintain books, records, documents and other evidence pertaining to costs and expenses incurred in the acquisition of the required real estate interests to the extent and in such detail as will properly reflect all net costs of whatever nature involved therein. The State shall make available at their offices at reasonable times, the accounting records for inspection and audit by an authorized representative of the Division or District Commander.

(2) The Government shall credit the State for its participation upon receipt of properly certified invoices, in quadruplicate, supported by such evidence of payment as may be required by the contracting officer and upon approval of the sufficiency of the real estate interests acquired by the contracting officer.

j. For reaches where local interests prefer bank stabilization to the setbacks recommended by the Chief of Engineers, contribute the costs over and above the costs of setbacks, and provide also the local contribution as indicated above;

2. This Agreement shall apply only to the second phase of work on the Project as described in the supporting engineering documents and shall not revoke, rescind, modify or otherwise alter any prior agreements or assurances on this Project.

3. The State hereby gives the Government a right to enter, at reasonable times and in a reasonable manner, upon land which it owns or controls, for access to the Project for the purpose of inspection, and for the purpose of repairing and maintaining the Project if such inspection shows that the State for any reason is failing to repair and maintain the Project in accordance with the assurances hereunder and has persisted in such failure after a reasonable notice in writing by the Government delivered to the California State Reclamation Board. No repair and maintenance by the Government in such event shall operate to relieve the State of responsibility to meet its obligations as set forth in paragraph 1 of the Agreement, or to preclude the Government from pursuing any other remedy at law or equity.

IN WITNESS WHEREOF, the parties hereto have executed this contract on the day and year first above written.

THE UNITED STATES OF AMERICA

APPROVED:

By *Arthur E. Williams*
Colonel, Corps of Engineers
District Engineer
Contracting Officer

FOR THE SECRETARY OF THE ARMY

DATE: *2 May 84*

THE STATE OF CALIFORNIA

By: *Robert E. Bush*
The Reclamation Board

DATE: *April 20, 1984*

CERTIFICATE OF APPROVAL

I, the undersigned Attorney General for the State of California, hereby certify that I have reviewed the contract dated the 20th day of April, 1984, between the United States of America and the State of California through the Board of Reclamation and have approved said contract and the provisions contained therein, both as to form and substance, including, but not limited to, those provisions whereby the State of California has agreed to pay damages, if necessary, in the event of failure to perform in accordance with Section 221 of Public Law 91-611.

IN WITNESS WHEREOF, I have made and executed this Certificate this 17th day of April, 1984.

JOHN K. VAN DE KAMP, Attorney General

By: William P. Channing
Deputy Attorney General
State of California

CERTIFICATE OF AUTHORITY

I, David B Anderson do hereby certify that I am one of the attorneys for the Reclamation Board, that the Board is a legally constituted public body with full authority and legal capability to perform the terms of the agreement between the United States of America and the Board in connection with the Sacramento River Bank Protection Project, to pay damages, if necessary, in the event of the failure to perform in accordance with Section 221 of Public Law 91-611, that the person who has executed the contract on behalf of the Board has acted within his or her statutory authority, and that the Board has satisfied the legal requirements of Article 13B of the California Constitution and Section 8517.1 of the California Water Code.

IN WITNESS WHEREOF, I have made and executed this Certificate this 17 day of April, 1984.

By: David B Anderson
Attorney for the Reclamation Board

CERTIFICATE OF APPROVAL

I, the undersigned Attorney at Law, as legal counsel for The Reclamation Board which has undertaken to act as local sponsor of the Sacramento River Bank Protection Project, hereby certify that I have reviewed the contract dated the 20th day of April, 1984, between the United States of America and the Board and have approved said contract and the provisions contained therein, both as to form and substance, including, but not limited to, those provisions whereby the Board has agreed to pay damages, if necessary, in the event of failure to perform in accordance with Section 221 of Public Law 91-611.

IN WITNESS WHEREOF, I have made and executed this Certificate this 17 day of April, 1984.

By: David B. Adams
Attorney for the Reclamation Board

DECLARATION OF FINANCIAL ABILITY

I, Raymond B. Bush, General Manager of the State Reclamation Board, do hereby declare that the Board, under the laws of the State of California, is financially capable of meeting the construction, operation and maintenance costs of the Project and is in compliance with Article 13B of the California Constitution and Section 8617.1 of the California Water Code.

I further declare that the Reclamation Board Activities Program fund will be used for the purpose of construction, operation and maintenance of the Project. There were \$ 1,851,000 allocated to the fund for this fiscal year. As of this day there is a balance of \$ 234,150 on hand in that fund. There is \$2,150,000 allocated to the fund for fiscal year 1985.

Dated this 20th day of April, 1984.

By: 
General Manager, State Reclamation Board

Sacramento River Bank Protection Project,
California

DECLARATION OF FINANCIAL ABILITY

I, Raymond Barsch, General Manager of the State Reclamation Board, do hereby declare that the Board, under the laws of the State of California, is financially capable of meeting the construction, operation and maintenance costs of the Project and is in compliance with Article 138 of the California Constitution and Section 8617.1 of the California Water Code.

I further declare that the Reclamation Board Activities Program fund will be used for the purpose of construction, operation and maintenance of the Project. There were \$ 1,831,000 allocated to the fund for this fiscal year. As of this day there is a balance of \$ 234,000 on hand in that fund. There is \$ 2,150,000 allocated to the fund for fiscal year 1985.

Dated this 20th day of April, 1984.

By: 
General Manager, The Reclamation Board

Sacramento River Bank Protection Project,
California



REPLY TO
ATTENTION OF

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

FORM NO. 7 (REV. 11-83)

Executive Office

Mr. Dan S. Fua, Acting General Manager
The Reclamation Board
State of California
3310 El Camino Avenue, Room LL40
Sacramento, California 95821

MAR 22 2006

Dear Mr. Fua:

A Local Cooperation Agreement (LCA) for the Sacramento River Bank Protection Project, California was executed between the Department of the Army and the State of California on April 20, 1984. The LCA was executed based on authority provided through the Flood Control Act of 1960 (Public Law 86-645); and, this authority was further supplemented through the River Basin Monetary Authorization Act of 1974 (Public Law 93-251) and a Joint Resolution of Congress (Public Law 97-377).

The enclosed amendment establishes the maximum length of bank erosion repair at 405,000-linear feet in accordance with the referenced project authority. Execution of the enclosed amendment was completed based upon review and approval by the President of the State of California Reclamation Board on March 18, 2006. One complete copy of this amendment has been enclosed for your records.

If you have any questions or concerns with regard to this issue, please feel free to contact the Project Manager, Mr. Stan Wallin, at (916) 557-5225.

Sincerely,

Ronald N. Light
Colonel, U.S. Army
District Engineer

Enclosure

Copy Furnished (w/encl):

Ms. Deborah Condon, State of California, Department of Water Resources, 3310 El Camino Avenue, Room 140, Sacramento, CA, 95821

**AMENDMENT NUMBER 1
TO THE
LOCAL COOPERATION AGREEMENT
BETWEEN
THE DEPARTMENT OF THE ARMY
AND
THE STATE OF CALIFORNIA
ON THE SACRAMENTO RIVER BANK PROTECTION PROJECT**

THIS AMENDMENT is entered into this 12 day of MARCH 2006 by and between the DEPARTMENT OF THE ARMY (hereinafter represented by the Assistant Secretary of the Army (Civil Works), and the STATE OF CALIFORNIA (hereinafter the "Non-Federal Sponsor"), represented by the Reclamation Board.

WITNESSETH, THAT:

WHEREAS, the Government and the Non-Federal Sponsor entered into a Local Cooperation Agreement on April 20, 1984 (hereinafter referred to as the "Agreement") for the Sacramento River Bank Protection Project (hereinafter referred to as the "Project");

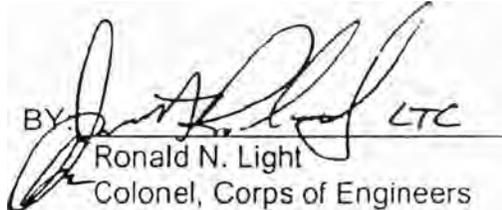
WHEREAS, the original agreement terms failed to reference a number for the lineal feet of river bank authorized by the statute for inclusion in the project,

NOW, THEREFORE, the Government and the Non-Federal Sponsor agree that the Agreement is hereby amended in the following particulars but in no others by adding the following:

4. As the original agreement terms failed to reference a number for the lineal feet of river bank authorized by the statute for inclusion in the project, the agreement is hereby amended to state the authorized project lineal footage is 405,000 linear feet, as established by the Flood Control Act of 1960, approved 86th Congress, Second Session (Public Law 86-645), as supplemented by the River Basin Monetary Authorization Act of 1974, approved 93rd Congress, Second Session (Public Law 93-251), as supplemented further by Joint Resolution of Congress (Public Law 97-377).

IN WITNESS WHEREOF, the parties hereto have executed this amendment to the Agreement, which shall become effective upon the date it is signed by the authorized representative of the Government.

THE DEPARTMENT OF THE ARMY

BY:  LTC
Ronald N. Light
Colonel, Corps of Engineers
Sacramento District

DATE: 26 MARCH 2006

THE STATE OF CALIFORNIA

Represented by the Reclamation Board

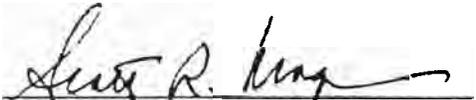
BY: 
Ben Carter
Reclamation Board
President

DATE: 18 MARCH 2006

CERTIFICATE OF AUTHORITY

I, Scott Morgan, do hereby certify that I am the principal legal officer of the State of California, acting by and through its Reclamation Board, a legally constituted public body with full authority and legal capability to perform the terms of the Agreement between the Department of the Army and the State of California, as amended by Amendment Number 1 to the Agreement, in connection with THE SACRAMENTO RIVER BANK PROTECTION PROJECT and to pay damages in accordance with the terms of the amended Agreement, if necessary, in the event of the failure to perform, as required by Section 221 of Public Law 91-611 (42 U.S.C. Section 1962d-5b), and that the persons who have executed this Agreement on behalf of the City of Oakland, California, the State of California, acting by and through its Reclamation Board, have acted within their statutory authority.

IN WITNESS WHEREOF, I have made and executed this certification on this 16 day of March 2006.


Attorney for the Reclamation Board

CERTIFICATION REGARDING LOBBYING

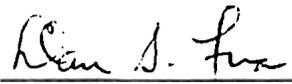
The undersigned certifies, to the best of his or her knowledge and belief that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

BY: 
Dan Fua
The Reclamation Board
Acting Manager

DATE: MAR 17 2005

CERTIFICATION OF LEGAL REVIEW OF THE
LOCAL COOPERATION AGREEMENT AMENDMENT 1
BETWEEN THE DEPARTMENT OF THE ARMY
AND
THE STATE OF CALIFORNIA DEPARTMENT OF WATER
RESOURCES/THE RECLAMATION BOARD

Amendment 1 for the Sacramento River Bank Protection Project, including associated documents required by both parties for the Local Cooperation Agreement, dated April 20, 1984 including explicating appendices dated September 7, 1988, has been reviewed by the Office of Counsel, Sacramento District and is approved as legally sufficient.

Date 11/16/2000



WILLIAM HENSON
Sr. Assistant District Counsel

**AMENDMENT NUMBER 2
TO THE
AGREEMENT BETWEEN
THE UNITED STATES OF AMERICA
AND
THE STATE OF CALIFORNIA
FOR LOCAL COOPERATION ON THE
SACRAMENTO RIVER BANK PROTECTION PROJECT CALIFORNIA**

THIS AMENDMENT is entered into this 5th day of MAY, 2006, by and between the **UNITED STATES OF AMERICA**, acting by and through the **DEPARTMENT OF THE ARMY** (hereinafter the "Government"), represented by the Assistant Secretary of the Army (Civil Works), and the **STATE OF CALIFORNIA**, acting by and through the California State Reclamation Board (hereinafter the "State"), represented by its President.

WITNESSETH, THAT:

WHEREAS, the Government and the State entered into a Local Cooperation Agreement on April 20, 1984 (hereinafter referred to as the "Agreement") for construction of the second phase of the Sacramento River Bank Protection Project (hereinafter referred to as the "Project");

WHEREAS, the Agreement was subsequently amended on March 26, 2006, to add paragraph 4 to the Agreement in order to state the authorized lineal footage for the second phase of the Project;

WHEREAS, the State proposes to accelerate its provision of funds to the Government in an amount not to exceed the current estimate of the State's required cash contribution for the Project, less any funds previously contributed, for the immediate use by the Government for construction of the Project; and

WHEREAS, the parties agree that such acceptance shall not represent or give rise to an obligation of the United States, including any obligation to provide reimbursement of the funds the State elects to provide or any obligation to request future funds to match the amount the State elects to provide, and that such funds will be credited against the State's future cost share only if additional Federal funds are appropriated.

NOW, THEREFORE, the Government and the State agree that the Agreement, as previously amended, is hereby further amended in the following particulars but in no others by adding the following paragraph:

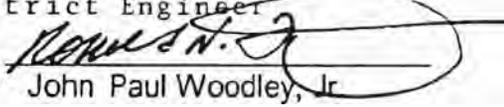
5. In fulfilling the obligations set forth in paragraph 1 of this Agreement, the following conditions and procedures shall apply to a State offer to accelerate its contribution of funds to the Government:

a. The State may offer in writing to accelerate a portion or all of its required cash contribution during the period of construction for immediate use by the Government. This offer shall be limited to an amount that does not exceed the most current estimate of the total of the State's required cash contribution as determined by the Government in coordination with the State, less any funds previously contributed by the State. Upon receipt of such offer or offers, the Government, subject to receiving such approvals and concurrences as customarily are required to accept such funds, may accept the funds, or such portion thereof as the Government determines to be necessary to meet the costs of construction of the Project. If the Government elects to accept such funds, it shall notify the State of such acceptance in a writing that sets forth any applicable terms and conditions. In the event of a conflict between this Agreement and any such writing, this Agreement shall control. Such funds shall be used by the Government for construction of the Project.

b. As Federal appropriations are made available to pay the Federal share of construction of the Project, the Government shall afford credit for funds provided during the period of construction in accordance with paragraph 5.a. of this Agreement. The Government shall credit this amount, provided during the period of construction, toward the State's cash contribution. If after the final accounting at the end of the period of construction, it is determined that the State has provided funds in excess of its required cash contribution, the Government shall proceed to determine whether a refund is applicable. However, if in the event of a final accounting due to termination prior to the end of the period of construction, it is determined that the State has provided funds in excess of its required cash contribution, the Government shall not reimburse the State for any such excess funds, except that any such excess funds which have not been obligated by the Government on the Project shall be refunded to the State, subject to the availability of funds.

IN WITNESS WHEREOF, the parties hereto have executed this amendment to the Agreement, which shall become effective upon the date it is signed by the authorized representative of the Government.

THE UNITED STATES OF AMERICA
acting by and through the
Department of the Army
Ronald N Light, Colonel
District Engineer

BY: 
FOR John Paul Woodley, Jr.
Assistant Secretary of the Army
(Civil Works)

DATE: 5/5/06

THE STATE OF CALIFORNIA,
acting by and through the
California State Reclamation Board

BY: 
Ben Carter
President
California State Reclamation Board

DATE: 5 MAY 2006

CERTIFICATE OF AUTHORITY

I, Scott R. Mowse, do hereby certify that I am the principal legal officer of the California State Reclamation Board, that the State Reclamation Board is a legally constituted public body with full authority and legal capability to perform, on behalf of the State of California, the terms of the Agreement between the United States of America and the State of California, as amended by Amendment Number 2 to the Agreement, in connection with the Sacramento River Bank Protection Project, and to pay damages in accordance with the terms of the amended Agreement, if necessary, in the event of the failure to perform, as required by Section 221 of Public Law 91-611 (42 U.S.C. Section 1962d-5b), and that the persons who have executed this Agreement on behalf of the State of California, acting by and through its State Reclamation Board, have acted within their statutory authority.

IN WITNESS WHEREOF, I have made and executed this certification on this 5th day of May, 2006.

Scott R. Mowse
Attorney for the California State Reclamation Board

CERTIFICATION REGARDING LOBBYING

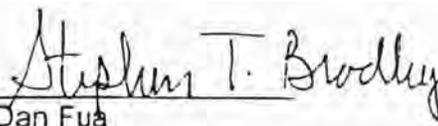
The undersigned certifies, to the best of his or her knowledge and belief that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

BY: 
for Dan Fua
Acting Manager
California Reclamation Board

DATE: 5-5-06

**AMENDMENT NUMBER 3
TO THE
LOCAL COOPERATION AGREEMENT
BETWEEN
THE DEPARTMENT OF THE ARMY
AND
THE STATE OF CALIFORNIA
ON THE SACRAMENTO RIVER BANK PROTECTION PROJECT
CALIFORNIA**

THIS AMENDMENT is entered into this 20~~th~~ day of JUNE 2006, by and between the DEPARTMENT OF THE ARMY (hereinafter referred to as the "Government"), represented by the U.S. Army Engineer, Sacramento District, and the State of California (hereinafter referred to as the "State"), acting by and through the State Reclamation Board, represented by its President.

WITNESSETH, THAT:

WHEREAS, the Sacramento River Bank Protection project, California (hereinafter referred to as the "Project"), as described in Senate Document No. 103, 86th Congress, 2nd Session, and House Document No. 93-151, 93rd Congress, 1st Session, was authorized by Section 203 of the Flood Control Act of 1960, Public Law 86-645 (74 Stat. 498), as supplemented by Section 202 of the River Basin Monetary Authorization Act of 1974, Public Law 93-251 (88 Stat. 49) and by Public Law 97-377 (96 Stat. 1916);

WHEREAS, the Government and the State entered into a Local Cooperation Agreement (hereinafter referred to as the "Agreement") on April 20, 1984, for construction of the Project;

WHEREAS, the Government and the State entered into Amendment Number 1 to the Agreement on March 26, 2006 to identify the authorized lineal footage for the Project;

WHEREAS, the Government and the State entered into Amendment Number 2 to the Agreement on May 5, 2006 to document the State's proposal to accelerate its provision of funds to the Government;

WHEREAS, Section 215 of the Flood Control Act of 1958, Public Law 90-483, as amended (42 U.S.C. 1962d-5a; hereinafter "Section 215"), provides that the Secretary of the Army may, when he determines it to be in the public interest, enter into agreements providing for credit to States or political subdivisions thereof for the costs of certain work

performed by such non-Federal bodies at authorized water resources development projects;

WHEREAS, the State desires to perform certain work (hereinafter the "Section 215 work") which is a part of the Project and receive credit pursuant to Section 215 for the costs of such work;

WHEREAS, it has been determined that providing the State credit toward the amount of its required contributions for the Project for the costs of the Section 215 work to be accomplished by the State pursuant to this Amendment Number 3 is in the public interest; and

WHEREAS, Section 215 limits the amount of credit that may be provided for a single project to no more than \$5,000,000 or 1 percent of the total project costs, whichever is greater.

NOW, THEREFORE, the Government and the State agree that the Agreement, as previously amended, is hereby further amended in the following particulars but in no others:

1. Paragraph 1.i. of the Agreement is amended by deleting the phrase: " and utility changes," and substituting "utility changes, and the credit to be afforded for the Section 215 work pursuant to paragraph 6.h. of this Agreement,".
2. Paragraph 1.i(1) of the Agreement is amended by adding "and performance of the Section 215 work" after "interests".
3. The Agreement is amended by adding Paragraph 6 at the end thereof:

"6. The State shall perform the Section 215 work, described below, pursuant to Section 215 of the Flood Control Act of 1958, Public Law 90-483, as amended, subject to the conditions and limitations of this paragraph.

a. The State shall construct 3 setback levees, as described below, along the left bank of Cache Creek at three critical erosion sites located at Levee Miles (LM) 0.8, LM1.1 and LM 2.4 in Yolo County northwest of the City of Woodland and north and south of the town of Yolo. The project is described in two environmental documents – *Cache Creek North Levee Setback Project, Critical Erosion Sites 1, and 2* and *Cache Creek North Levee Setback Project, Critical Erosion Site 3*.

(1) Site 1 at LM 0.8 – A new levee will be constructed approximately 700 feet in length, and would be placed between 100 and 50 feet from the existing levee. Approximately 3,900 cubic yards of material would be needed for construction. Drawing no. S3-1, S3-2, S3-3, S3-4 and S3-5 provide design details.

(2) Site 2 at LM 1.1 – A new levee will be constructed approximately 825 feet in length, and would be placed between 100 and 50 feet from the existing levee. Approximately 4,500 cubic yards of material would be needed for construction. Drawing no. S4-1, S4-4, and S4-5 provide design details.

(3) Site 3 at LM 2.4 – A new levee will be constructed approximately 890 feet in length, and would be placed approximately between 100 and 50 feet from the existing levee. Approximately 7,200 cubic yards of material would be needed for construction. Drawing no. S5-1, S4-2, S5-3, and S5-4 provide design details.

The base of all three new levees will be between 40 and 50 feet wide. The new levees will tie into the existing levee that would be left in place; notches would be cut into the existing levee at each site to provide for drainage of areas between the existing and new setback levees. Construction of the setback levees will take approximately 3 months.

b. Manner of Performing the Section 215 Work. The Section 215 work includes the preparation of the design memorandum, engineering plans, geology reports, and the environmental review. The U.S. Army Corps of Engineer District, Sacramento, environmental planning staff will participate in the environmental review to insure compliance with Federal environmental law. In addition, the State will provide funding to the U.S. Army Corps of Engineer District, Sacramento, to review all designs, plans and specifications, and to perform construction quality assurance.

c. Review of Designs, Detailed Plans and Specifications. No construction of Section 215 work shall commence under this Agreement until the designs, detailed plans and specifications, and arrangements for prosecution of the work have been approved by the U.S. Army Engineer, Sacramento District (hereinafter the "District Engineer"). Proposed changes in approved designs, plans, and specifications also must be reviewed and approved by the District Engineer in advance of the related construction.

d. Prosecution of Work by Contract. In the event the State prosecutes the Section 215 work described herein by contract, all bids received and the proposed provisions of any contract shall be subject to review by the Government prior to contract award. Any such contract shall contain all of the applicable provisions required by Federal laws and regulations, including, but not necessarily limited to, applicable labor and equal opportunity provisions.

e. **Environmental Requirements.** No construction of Section 215 work shall commence under this Agreement until all applicable environmental laws and regulations have been complied with, including, but not limited to the National Environmental Policy Act of 1969 (42 U.S.C. 4321–4347) and Section 401 of the Federal Water Pollution Control Act (33 U.S.C. 1341).

f. **Expiration of Period to Commence Section 215 Work.** In order for the Section 215 work to be eligible for credit pursuant to this paragraph the Section 215 work must be commenced within one year of the effective date of Amendment Number 3 to this Agreement.

g. **Determination of Costs of Section 215 Work.** The Government shall determine the costs incurred by the State for Section 215 work, subject to the conditions and limitations of this paragraph. The State in a timely manner shall provide the Government with such documents as are sufficient to enable the Government to determine the amount of costs for Section 215 work.

(1) Section 215 work shall be subject to an on-site inspection and determination by the Government that the work was accomplished in a satisfactory manner and is suitable for inclusion in the Project.

(2) The amount of the State's costs for Section 215 work shall be subject to an audit to determine the reasonableness, allocability and allowability of such costs.

(3) The costs of any Section 215 work undertaken by the State prior to the effective date of Amendment Number 3 to this Agreement shall not be included in the costs considered for credit pursuant to this Agreement.

(4) The State's costs for Section 215 work are not subject to interest charges, nor are they subject to adjustment to reflect changes in price levels between the time the Section 215 work is completed and the time the credit for such costs is afforded.

(5) In the performance of the Section 215 work, the State must comply with applicable Federal labor laws covering non-Federal construction, including, but not limited to, 40 U.S.C. 3141-3148 and 40 U.S.C. 3701-3708 (revising, codifying and enacting without substantive change the provisions of the Davis-Bacon Act (formerly 40 U.S.C. 276a *et seq.*), the Contract Work Hours and Safety Standards Act (formerly 40 U.S.C. 327 *et seq.*) and the Copeland Anti- Kickback Act (formerly 40 U.S.C. 276c)). Costs for the Section 215 work may not be included in the costs considered for credit by the Government, in whole or in part, as a result of the State's failure to comply with its obligations under these laws.

(6) For purposes of affording of credit for Section 215 work under paragraph 6.h. of this Agreement, the costs of the Section 215 work shall not include the costs of the lands, easements, rights-of-way, and utility changes that are associated with the Section 215 work.

h. Affording of Credit for Section 215 Work. The Government, in accordance with this paragraph, shall afford credit toward the State's contribution of funds required under paragraph 1.i. of this Agreement for the costs of the Section 215 work determined in accordance with paragraph 6.g. of this Agreement.

(1) The amount of credit to be afforded by the Government shall not exceed the Government's estimate of what the cost of the Section 215 work would be if were to be accomplished by the Government as a component of the Project, or the State's actual auditable costs for the section 215 work, whichever is less. As of the effective date of Amendment Number 3 to this Agreement, the Government's estimate of the Section 215 work is \$1,892,460.00.

(2) The credit for the Section 215 work shall be applied solely against the State's required cost-share contributions for future bank protection work under the Project.

(3) Notwithstanding any other provision of this Agreement, the amount of credit afforded by the Government for the Section 215 work, in combination with any credit provided pursuant to any other Section 215 agreements executed for the Project, shall not exceed the statutory limitation of \$5,000,000 or 1 percent of total project costs, whichever is greater. For the purposes of this Agreement, the term "total project costs" shall be understood to mean the sum of Federal and non-Federal first costs upon conclusion of the project construction actually and finally undertaken.

i. This Agreement shall not be construed as either committing the Government to assume any responsibility placed upon the State or any other non-Federal entity by the conditions of project authorization or any other applicable statute or regulation, or as committing the Government to reimburse the State if the remaining work on the Project is not undertaken or is modified so as to make the Section 215 work performed by the State no longer an integral part of the Project."

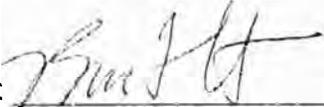
4. All other terms and conditions of the Agreement, as previously amended, remain unchanged.

IN WITNESS WHEREOF, the parties hereto have executed this Amendment Number 3 which shall become effective upon the date it is signed by the Assistant Secretary of the Army (Civil Works).

THE DEPARTMENT OF THE ARMY

THE STATE OF CALIFORNIA
The Reclamation Board

BY:  LTC/EN
Ronald N. Light
Colonel, Corps of Engineers
District Engineer

BY: 
Benjamin F. Carter
President
The Reclamation Board

DATE: 20 JUN 06

DATE: 20 JUNE 2006

CERTIFICATE OF AUTHORITY

I, Scott R. Morgan do hereby certify that I am the principal legal officer of the California State Reclamation Board, that the State Reclamation Board is a legally constituted public body with full authority and legal capability to perform, on behalf of the State of California, the terms of the Agreement between the United States of America and the State of California, as amended by Amendment Number 3 to the Agreement, in connection with the Sacramento River Bank Protection Project, and to pay damages in accordance with the terms of the amended Agreement, if necessary, in the event of the failure to perform, as required by Section 221 of Public Law 91-611 (42 U.S.C. Section 1962d-5b), and that the persons who have executed this Agreement on behalf of the State of California, acting by and through its State Reclamation Board, have acted within their statutory authority.

IN WITNESS WHEREOF, I have made and executed this certification on this
16 day of June 2006

Scott R. Morgan
Scott Morgan, Counsel
The Reclamation Board

CERTIFICATION REGARDING LOBBYING

The undersigned certifies, to the best of his or her knowledge and belief that:

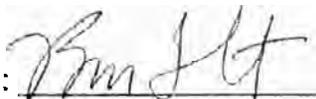
(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

BY:



Benjamin F. Carter
President

The Reclamation Board

DATE: 20 JUNE 2006

Exhibit I
Biological Opinion

This is an excerpt from USFWS BO June 23, 2008 Reference #81420-2008-F-0805-1, and NOAA Fisheries BO July 2, 2008 Reference #2007/07158 and applies to work performed at Sacramento River RM 99.3R,

Operations and Maintenance:

Once repairs are complete, a project site may require limited maintenance. During the initial establishment period, maintenance activities are anticipated to be required for 3 to 5 years, and include removing invasive vegetation detrimental to project success, pruning and watering planted vegetation to promote optimal growth, replacing plantings, monitoring navigational hazards, and placing fill and rock revetment if the site is damaged during high flow events or by vandalism. Once established, the riparian vegetation should be self-maintaining. Annual maintenance at each site will be limited to placement of no more than 600 cubic yards of material, which corresponds to a disturbance length of less than 300 feet; should more material be required in any year, the operating and maintaining agency (i.e., Central Valley Flood Protection Board) will obtain the necessary permits from the regulatory agencies. The Corps will be responsible for ensuring that conservation measures and environmental standards are stipulated in permits and all required documentation is maintained. Similarly, if outside alterations of a project site are proposed by other agencies or private entities, the Corps will work with the NMFS to ensure that environmental features at the project sites are maintained or that off-site compensation is implemented to make up for any deficits.

Any needed in-water maintenance work will be conducted during time periods that minimize adverse effects on listed fish species. Unless approved otherwise by the NMFS, in-water maintenance will be conducted between July 1 and November 30 of each year for sites above RM 60 and between August 1 and November 30 for sites below RM 60. Any maintenance not requiring in-water work may be conducted year-round.

Effects of Project Operation and Maintenance:

O&M activities are expected to occur between July 1 and November 30 for the life of the project (i.e., 50 years) to maintain the flood control and environmental values of the site. Anticipated O&M actions include vegetation management and irrigation for up to three years, periodic rock placement to prevent or repair localized scouring, and periodic replacement or modification of IWM structures. Effects would be limited to the annual placement of up to 600 cubic yards of material at each site. Impacts from O&M actions generally will be similar to the impacts of initial construction, except that they will be smaller and localized. Effects may include injury or death to salmon and steelhead from predation cause by turbidity changes that temporarily disrupt normal behaviors, and affect sheltering abilities. However, since O&M actions are only expected to repair damaged elements of the project, they are expected to be infrequent (i.e., occurring only once every several years), small (i.e., only affecting small sections of the project area), and will not occur at all sites. Therefore, relatively few fish should be affected by O&M actions, and actual injury and mortality levels will be low relative to overall population abundance and not likely to cause any long-term, negative population responses. Any O&M actions that affect habitat conditions will incorporate BMPs, summer in-water construction windows, and other minimization and avoidance measures to reduce the potential for effects to anadromous salmonids, green sturgeon, and their habitat.