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Book C

Revised 29 Dec 2016

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE
MANUAL

SACRAMENTO RIVER
FLOOD CONTROL PROJECT

UNIT NO. 109
WEST LEVEE OF YOLO BYPASS
AND
EAST LEVEE OF CACHE SLOUGH



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

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U. S. ARMY ENGINEER DISTRICT, SACRAMENTO
Corps of Engineers
Sacramento, California
April 1962

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LOCATION	ADDITION OR REVISION	DATE
1-04 l.	Add contract no. 67-C-0082	Jan 1968
Exhibit B	Add drawing no. 50-4-4348	Jan 1968
Exhibit F	Add letter of acceptance dated 21 Dec 1967	Jan 1968
1-04	Add subparagraph m	Nov 2010
Exhibit B	Add Plan Sheets G-1, C-1 to C-7 (8 sheets)	Nov 2010
Exhibit F	Add transfer letter dated 24 Nov 2010	Nov 2010
Exhibit F	Add copy of letter of transfer dated 2 Feb 1951	16 Dec 2010
Exhibit F	Add copy of letter of transfer dated 4 Dec 1951	16 Dec 2010
Exhibit F	Add copy of letter of transfer dated 13 Dec 1951	16 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 18 Dec 1951	16 Dec 2010
Exhibit F	Add copy of letter of transfer dated 19 Jun 1952	16 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 12 May 1953	16 Dec 2010
Exhibit F	Add copy of letter of transfer dated 12 Sep 1956	16 Dec 2010
Exhibit F	Add copy of letter of transfer dated 18 Sep 1961	16 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 15 Jan 1962	16 Dec 2010
1-04	Add subparagraph n	16 Dec 2010
Exhibit B	Add Drawing No. 50-4-5783	16 Dec 2010
Exhibit F	Add copy of letter of transfer dated 13 Nov 1989	16 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 27 Mar 1990	16 Dec 2010
Exhibit F	Add copy of letter of transfer dated 28 Nov 1967	2 Feb 2011
1-04	Add subparagraph o	2 Feb 2011
Exhibit B	Add Drawing No. 50-4-5762	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 16 Dec 1986	2 Feb 2011
1-04	Add subparagraph p	7 Mar 2011
Exhibit B	Add Drawing No. 50-4-5858	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 27 Dec 1991	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 29 Nov 2016	29 Dec 2016

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B	"As Constructed" Drawings	Unattached
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SUPPLEMENT TO STANDARD
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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 levee and channel that is located in Yolo and Solano Counties, California, along the right bank of the Yolo Bypass from just southeast of Yolo downstream to the junction of the Yolo Bypass with Cache Slough; thence upstream along the left bank of Cache Slough to Lookout Slough; thence along the left bank of Haas Slough to the westerly levee of R.D. No. 2068; thence along the westerly levee of R.D. No. 2068 to the Sacramento Northern Railway; thence along the slab levee of the railway to high ground. Description by levee mileage follows: Unit No. 1 southerly along the right levee of the Yolo Bypass mile 0.00 to mile 5.48 to the south boundary of R.D. No. 2068; Unit No. 1 southerly along the right levee of the Yolo Bypass and northerly along Cache and Haas Sloughs to the south boundary of R.D. No. 2068, mile 0.00 to mile 12.12; Unit No. 2 from the south boundary of R.D. No. 2068 northerly mile 0.00 to mile 3.23 to high ground. The total levee mileage in this unit is 20.83. The general location is as shown on the vicinity map, 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, and 1941, and consists of the levees and channels as described in paragraph 1-01 above. Flattening the levee slopes on the west levee of the Yolo Bypass was authorized as part of the Sacramento River and Major and Minor Tributaries Project, California, by the Flood Control Act of 22 December 1944, Public Law 534, 78th Congress Second Session, (House Document 649, 78th Congress, Second Session).

1-03. Protection Provided. Levees of this unit provide direct protection to about 13,000 acres of highly developed agricultural lands together with related homes, roads and buildings. Along the west (right bank) levee of the Yolo Bypass the grade of the adopted flood plane profile varies from elevation 24.0 at the upper end to elevation 18.4 at its junction with Cache Slough. Along the east (left bank) levees of Cache and Haas Sloughs the grade of the adopted flood plane profile is level at elevation 18.4. All elevations are referred to U. S. Corps of Engineers datum. Levee grades within this unit provide for a freeboard of at least 6 feet above the adopted

flood plane profile in the Yolo Bypass and at least 3 feet along Cache and Haas Sloughs. The project design flood for the Yolo Bypass is 490,000 cubic feet per second down to a point opposite Miner Slough; thence 500,000 cubic feet per second to Cache Slough.

1-04. Construction Data and Contractor. Work required by the Corps of Engineers to bring levees of this unit to project standards was accomplished under the following contracts:

a. Raising of the west levee 0.9 miles south of Yolano in R.D. 2068 was accomplished under Contract No. W-1105-ENG-624 by D. A. Foley, contractor and completed on 10 April 1931.

b. Raising of the west levee on the Sullivan and Roche Lands (R.D. 2068) was accomplished under Contract No. W-1105-ENG-649 by the Olympia Dredge Company and completed on 2 September 1931.

c. Raising of the levee on the Liberty Farms Project No. 2 was accomplished under Contract No. W-1105-ENG-661 by the Olympia Dredge Company and completed on 4 November 1931.

d. Raising of the west levee of R.D. 2068 was accomplished under Contract No. W-1105-ENG-897 by the Lewis Construction Company and completed on 26 July 1932.

e. Raising of the west levee on the Sullivan and Roche Lands was accomplished under Contract No. W-1105-ENG-910 by R. P. Easley, contractor and completed on 21 November 1932.

f. Raising of the levee east of Cache Slough was accomplished under Contract No. W-1105-ENG-949 by the Franks Construction Company and completed on 3 November 1933.

g. Construction of new levee and raising existing levee near the junction of Cache Slough was accomplished under Contract No. W-1105-ENG-1248 by the Roberts Island Dredge and Improvement Company and completed on 9 December 1936.

h. Raising of the levee near the lower end at the junction of Cache Slough with the Yolo Bypass was accomplished by Hired Labor under Job Order No. 56 and completed in October 1935.

i. Raising of the west levee along Liberty Island and north side of Cache Slough was accomplished by Hired Labor under Job Order No. 670 6 October 1940.

j. Raising of the west levee of the Yolo Bypass from the R.D. No. 2068 pump north approximately 5.5 miles was accomplished under Contract No. W-1105-ENG-3301 by Paulous and McEwin, contractors and completed on 16 June 1943.

k. Levee construction on the right bank of the Yolo Bypass and left bank of Cache Slough was accomplished under Contract No. DA-04-167-CIVENG-61-67 by Eugene Luhr and Company, during the period from 12 April 1961 to 30 November 1961.

l. Bank protection west levee of Yolo Bypass was accomplished by Spike Voudouris under Contract No. DACW03-67-C-0082 during the period from 24 May 1967 to 30 November 1967. Specification No. 3418, Drawing No. 50-4-4348.

m. PL 84-99 rehabilitation levee repairs to the right bank levee of the Yolo Bypass and the left bank levee of Cache Slough, under Contract No. W91238-08-D-0025 (Task Order No. 0001) by Erick Ammon Inc., was completed on October 9, 2008. Specifications: P.L. 84-99 Levee Rehabilitation Repairs. Drawings: “PL 84-99 Levee Rehabilitation Repairs, CY2008 Order 2-3 Sites, Reclamation District 2098”, as-builts.

TABLE 1: RECLAMATION DISTRICT 2098

SITE	COORDINATES (NAD 83)				SITE LENGTH (FT)
	(N)	(W)	(N)	(W)	
001	38.30494, -121.69361 to 38.30444, -121.69356				190
002	38.30367, -121.69361 to 38.30331, -121.69358				79
003	38.30308, -121.69361 to 38.30261, -121.69364				168
004 & 005	38.30133, -121.69358 to 38.29992, -121.69356				471
006	38.29956, -121.69358 to 38.29889, -121.69363				235
007	38.29725, -121.69358 to 38.29697, -121.69356				143
008	38.29550, -121.69356 to 38.29514, -121.69358				171
009	38.29017, -121.69358 to 38.28969, -121.69358				160
010	38.28806, -121.69356 to 38.28753, -121.69358				197
011	38.28614, -121.69361 to 38.28575, -121.69361				148
012	38.28289, -121.69367 to 38.27814, -121.69622				1829
013 & 014	38.27569, -121.70581 to 38.27819, -121.70803				1085
015	38.27819, -121.70803 to 38.27906, -121.70897				400
016	38.28078, -121.70964 to 38.28169, -121.70997				328
017	38.28286, -121.71081 to 38.28300, -121.71106				98
018	38.28325, -121.71161 to 38.28342, -121.71189				88
019 & 020	38.28361, -121.71300 to 38.28531, -121.71583				1300
021	38.29300, -121.72397 to 38.29492, -121.72525				822

n. Construction of the cross levee between the right bank of Yolo Bypass and the left bank of Cache Slough was completed on 1 November 1989 under Contract No. DACW05-89-C-0035. Specification No. 8165, Drawing No. 50-4-5783.

o. Bank sloping and stone protection on the west levee of the Yolo Bypass at ten sites in Reclamation District 2098 was completed on 12 Dec 1986 under Contract No. DACW05-86-C-0093. Specification No. 7945, Drawing No. 50-4-5762.

p. Mitigation work in RD 2098 consisting of construction of two islands, two river outlets, a boat ramp, and a berm along the waterside toe of the cross levee between the Yolo Bypass and Cache Slough was completed on 11 December 1991 under Contract No. DACW05-91-C-0110. Specification No. 9033, Drawing No. 50-25-5858.

1-05. Flood Flows. For purposes of this manual, the term “flood” or “high water period” for this unit shall refer to flows when the water surface in the Yolo Bypass reaches or exceeds the reading of 12.0 on the staff gage located on the County Bridge that leads to Liberty Island. The staff gage is set on U.S. Corps of Engineers datum.

1-06. Assurances Provided by Local Interests. Assurances 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. Acceptance by and Transfer to the State Reclamation Board. Portions of the levee were accepted by the State Reclamation Board for maintenance and operation by letters dated 22 May 1952 and 27 November 1961. Other portions were transferred to the State Reclamation Board for maintenance and operation by letter dated 7 December 1961, all as shown on copies of letters, Exhibit F.

1-08. Inspection Procedure. Since the enactment of State Legislation of Chapter 1528, statutes of 1947, the Department of Water Resources, state of California, has made semi-annual inspections of all levees of authorized flood control projects in the Sacramento-San Joaquin drainage basin pursuant to the Federal Regulations of 16 August 1944 (Title 33), and reports its findings to the local agency, the state Reclamation Board and the Sacramento District, Corps of Engineers, U. S. Army. This activity, initiated pursuant to Section 208.10(a) of the Federal Regulations, has in effect provided for transfer from the local agencies to the State Department of Water Resources the obligation of compliance with Sections 8471, 8372, and 8373 of the Water Code of the State of California. These sections of the Code require the local responsible agencies to submit a report to the State Department of Water Resources on or before 1 June of each year on the condition of the levees within their jurisdiction. Supervisory powers and duties of the Department are applicable to all works of the Sacramento River Flood Control Project maintained and operated by the local agencies without regard to status of completion, or expenditure of Federal funds on the construction of such works.

The following procedure is used in inspecting the levees of the responsible maintaining agency:

Personnel of the State Department of Water Resources make a detailed inspection in the spring and fall of each year and make a report on any required maintenance. The inspection objectives are to determine if the following items, which are a condensation of Federal Regulations, are being adhered to:

- a. That all brush, trees and wild growth other than sod are removed from the levee crown and slopes.
- b. That all weeds, grass and debris on the levee have been burned during the appropriate season, where not dangerous or impractical.
- c. That all grass and weeds on the levee have been mowed where removal by burning is dangerous or impracticable. This applies only on peat levees or where burning would constitute a hazard to improvements.
- d. That all burrowing animals have been exterminated.
- e. That all caves, sloughs, burrows, holes, slips or other damaged portions of the levee have been repaired.
- f. That all irrigation and drainage structures through the levee are in good working condition.
- g. That no revetment work or riprap have been displaced, washed out or removed.
- h. That the crown of the levee is well shaped and maintained and that unauthorized vehicular travel is restricted.
- i. That stock grazing on the levee is restricted to conditions and seasons when the levee would not be seriously scarred or otherwise damaged thereby.
- j. That encroachments are not being erected on the levee which would hinder travel by authorized patrol vehicles.
- k. Prevent the erection of structures on, additions to, or alterations of, the levee unless authorized by permit from the State Reclamation Board.

Following this detailed inspection a joint field inspection is made with representatives of the responsible maintaining agency and the State Department of Water Resources to review and discuss the inspection report.

Upon completion of the fall inspection the State Department of Water Resources publishes an annual report entitled, "Status of Project Levee Maintenance" which indicates the degree of proficiency attained by each obligated local agency in providing required maintenance.

SECTION II

FEATURES OF THE PROJECT SUBJECT TO FLOOD CONTROL REGULATIONS

2-01. Levee.

a. Description. Levees as described in paragraph 1-01 of this manual lie along the right bank of the Yolo Bypass from about Yolano to the junction of the Yolo Bypass, a distance of about 9.91 miles. Also, along the right bank of Cache and Haas Sloughs and the westerly levee of R.D. 2068 to high ground, a distance of about 10.92 miles. The levees have been reconstructed with slopes of 1 on 3 waterside and 1 on 2 landside with a crown width of 20 feet from station 0+00 to W 135+00; 30 feet (for County Road) from station W 135+00 to W 215+00; and 20 feet from station W 215+00 to C 224+00. The necessary drainage structures, road approaches, bank protection, and appurtenances were also included in the work. For more complete detail in construction of the above-mentioned levees, refer to the "As Constructed" drawings of EXHIBIT B.

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

(1) Maintenance - paragraph 4-02 of the Standard Manual.

(2) 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 listed as follows:

Levee:	Size of:	Other Structure Description	: Feet
Mile :	Pipe :		: Below Crown

Unit No. 1-West Levee of Yolo Bypass - R.D. 2068

0.37	30"	Concrete pipe	3.6
0.49	14"		6.6
1.07	24"	Flapgate W.S.	10.9
5.48	3-36"	Site of Old District drainage plant	27.0
5.48	2-18"	Site of Old District drainage plant	14.5
5.48	36"	Site of Old District drainage plant	3.8
5.48	42"	Site of Old District drainage plant	3.8

Levee:	Size of:	Other Structure Description	: Feet
Mile :	Pipe :		: Below Crown

Unit No. 1-Yolo Bypass to Cache Slough

0.69	42"		21.0
1.53	4"	Gas Line	1.5
1.80	10"		2.8
1.81	18"	Slidegate W.S.	24.5
2.75	42"	Flapgate W.S	19.3
2.98	20"		5.8
3.74	24"	Slidegate W.S	-
3.86	24"	Pumping Plant	12.0
3.86	20"	Pumping Plant	12.0
6.21	24"	Slidegate W.S	22.0
6.75	2-48"	Slidegate W.S.	29.0
7.23	36"	Slidegate W.S	21.0
7.28	24"	Flapgate W.S	21.0
7.43	36"	Slidegate W.S	23.0
8.20	36"	Slidegate W.S	23.0
8.40	36"	Slidegate W.S	23.0
8.40	60"	Screwgate W.S.	25.0
9.85	3-48"	<i>R.D. 20 Pumping Plant</i>	10.0
9.85	24"	<i>1948 No. 100. Memo #1390</i>	10.0
12.12	14"		8.2

Unit No. 2-Back or West Levee of R.D.2068

0.83	24"		9.0
0.84	18"	Slidegate each end	7.5
0.87	30"		10.2
1.89	2-48"		5.0
2.94	24"		-
3.20	48"		9.0

Note on abbreviations:

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) Suggested Check Lists - EXHIBIT E of this Supplement Manual.
- (3) Operation - paragraph 5-04 of the Standard Manual.
- (4) Additional Requirements - paragraph 5-05 of the Standard Manual.

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

2-03. Channels.

a. Description. The main channels and floodways of the Yolo Bypass, Cache and Haas Sloughs lie adjacent to the levees as described in paragraph 1-02. The project design capacity of the Yolo Bypass is as listed in paragraph 1-03 of this manual.

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

(1) Maintenance - paragraph 6-02 of the Standard Manual.

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

(3) Operation - paragraph 6-04 of the Standard Manual.

(4) Safety Requirements - 6-05 of the Standard Manual.

It shall be the duty of the local agency responsible for maintenance to keep in contact with the State Department of Water Resources' Flood Operation Center during all periods of flood danger, and maintain a patrol of the project works in their area during periods of flood in excess of a reading of 12.0 on the staff gage located on the County Bridge that leads to Liberty Island, as referred to in paragraph 1-05 of this manual.

The Flood Operation Center is responsible for data collection and issuance of a joint river forecast with the U. S. Weather Bureau and coordinates with the Sacramento District Engineer, and other agencies to keep apprised of the current situation in accordance with terms of the Memorandum of Understanding dated 1 November 1956, between the Division Engineer, U. S. Army Division, South Pacific, and the Director, Department of Water Resources, State of California for cooperative action during flood emergencies.

2-04. Miscellaneous Facilities.

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

(1) Bridge. County Bridge leading to Liberty Island.

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

(3) Hydrologic Facilities. Staff gage on County Bridge leading to Liberty Island.

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

(1) Maintenance - paragraph 7-02 of the Standard Manual.

(2) Suggested Check Lists - paragraph 7-03 of the Standard Manual.

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

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

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

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

EXHIBIT A

FEDERAL FLOOD CONTROL REGULATIONS

(SEE STANDARD MANUAL)

EXHIBIT B
“AS CONSTRUCTED”
DRAWINGS

See separate folder for the following drawings:

<u>File No.</u>	<u>Title</u>
50-4-1247-1	Raise West Levee of R.D. 2068, 1 sheet
50-4-1252	Raise West Levee of Sullivan and Roche Lands, 1 sheet
50-4-1302	Raise West Levee of R.D. 2068, 1 sheet
50-4-1303-1	Raise West Levee of Sullivan & Roche Lands, in 2 sheets
50-4-1311	Raise Levee East of Cache Slough, in 2 sheets
50-4-1356-3	Construct New and Raise Existing Levee Near Junction with Cache Slough, in 2 sheets
50-4-1939-1	Yolo Bypass West Levee from R.D. 2068 Pump North approximately 5.5 Miles, in 3 sheets
50-4-3669	Levee construction, Right Bank of Yolo Bypass and Left Bank of Cache Slough, in 23 sheets
50-4-4348	Bypass Levee Revetment East and West Levees Yolo Bypass, in 7 sheets
50-4-5783	Cross Levee Construction Between Cache Slough and Shag Slough
None	PL 84-99 Levee Rehabilitation Repairs CY2008 Orders 2-3 Sites, Reclamation District 2098, Solano County, California in 8 sheets
50-4-5762	Not Found
50-4-5858	Not Found

EXHIBIT C

PLATES OF SUGGESTED FLOOD FIGHTING METHODS

(SEE STANDARD MANUAL)

EXHIBIT D

SUGGESTED CHECK LIST NO. 1

LEVEE INSPECTION REPORT

(SEE STANDARD MANUAL)

EXHIBIT E

SUGGESTED CHECK LISTS OF LEVEES,
CHANNEL AND STRUCTURES

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

SUGGESTED CHECK LIST NO. 2
UNIT NO. 109

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 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.

SUGGESTED CHECK LIST NO. 3

CHANNEL AND RIGHT-OF-WAY

UNIT NO. 109

Inspector's Report Sheet No. _____ Inspector _____

Date _____ Superintendent _____

(a) Name of Channel and location
by Stations

(b) Vegetal growth in channel

(c) Debris and refuse in channel

(d) New construction within
right-of-way

(e) Extent of a aggradation or
degradation

(f) Condition or riprapped
section

(g) Condition of bridges

(h) Measures taken since
last inspection

(i) Comments

INSTRUCTIONS FOR COMPLETING SHEET 4, EXHIBIT E

(To be printed on back of Sheet 4)

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

SUGGESTED CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

UNIT NO. 109

Inspector's Report Sheet No. _____

Inspector _____

Date _____

Superintendent _____

(a) Location by levee mileage	(b) Bank	(c) Debris or other obstruction to flow	(d) Damage or settlement of pipe or conduit	(e) Condition of concrete headwall or invert paving	(f) Condition of right-of-way adjacent to structure	(g) Repair Measures taken since last inspection	(h) Comments
0.37	Rt.						
0.49	Rt.						
1.07	Rt.						
5.48	Rt.						
5.48	Rt.						
5.48	Rt.						
5.48	Rt.						
0.69	Rt.						
1.53	Rt.						
1.80	Rt.						
1.81	Rt.						
2.75	Rt.						
2.98	Rt.						

Unit No. 1 - West Levee of Yolo Bypass - R.D. 2068

Unit No. 1 - Yolo Bypass to Cache Slough

SUGGESTED CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

UNIT NO. 109

Inspector's Report Sheet No. _____

Inspector _____

Date _____

Superintendent _____

(a) Location by levee mileage	(b) Bank	(c) Debris or other obstruction to flow	(d) Damage or settlement of pipe or conduit	(e) Condition of concrete headwall or invert paving	(f) Condition of right-of-way adjacent to structure	(g) Repair Measures taken since last inspection	(h) Comments
3.74							
3.86							
3.86							
6.21							
6.75							
7.23							
7.28							
7.43							
8.20							
8.40							
8.40							
9.85							
9.85							

Unit No. 1 - Yolo Bypass to Cache Slough, Cont'd.

SUGGESTED CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

UNIT NO. 109

Inspector's Report Sheet No. _____ 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

Unit No. 1 - Yolo Bypass to Cache Slough, Cont'd.

12.12	lt.
0.83	lt.
0.84	lt.
0.87	lt.
1.89	lt.
2.94	lt.
3.20	lt.

Unit No. 2 - Back or West Levee of R.D.2068

INSTRUCTIONS FOR COMPLETING SHEET 6, EXHIBIT E
(To be printed on back of Sheet 6)

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

EXHIBIT F

LETTERS OF ACCEPTANCE BY AND TRANSFER TO
THE STATE RECLAMATION BOARD

EXHIBIT F



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

NOV 29 2016

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

Dear Ms. Gallagher:

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

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

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

Sincerely,

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

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

Enclosures

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

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

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

Standard O&M Manual San Joaquin River

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

THE RECLAMATION BOARD

1416 Ninth Street, Room 455-6

Sacramento, CA 95814

(916) 445-9454



MAR 27 1990

Colonel Jack A. Le Cuyer
District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814

Dear Colonel Le Cuyer:

Reference is made to your letter of November 13, 1989, concerning the transfer of the completed cross levee constructed between the Yolo Bypass right bank levee (Shag Slough) and the Cache Slough left bank levee to the State of California for operation and maintenance. This cross levee is a part of the Sacramento River Flood Control Project.

The flood control work consisted primarily of the construction of approximately 2,850 feet of new levee. The construction work was completed on November 1, 1989. The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-5783, Specification No. 8165, and Contract No. DACW 05-89-C-0035, insofar as could be determined visually.

The Reclamation Board, at its regular meeting of December 15, 1989, formally accepted the completed work on the above referenced project from the District Engineer for operation and maintenance.

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

Sincerely,

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

RAYMOND E. BARSCH
General Manager

November 13, 1989

Navigation and Flood Control Unit

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



Members of the Board:

This is in regard to the joint inspection of November 1, 1989, made for the purpose of transferring the cross levee between the Yolo Bypass right bank and the Cache Slough left bank levee to the State of California for operation and maintenance. The flood control work consists of construction of a levee and miscellaneous work which was completed on November 1, 1989, in accordance with Contract Number DACW05-89-C-0035, Specification Number 8165 and Drawing Number 50-4-5783.

This work was authorized by the Flood Control Act approved March 1, 1917 (Public Law 367, 64th Congress, first session), as modified by the Flood Control Act approved May 15, 1928, the Rivers and Harbors Act approved August 26, 1937, the Flood Control Act approved August 18, 1941 and the Water Resources Development Act of 1986 (Public Law 99-662, October 17, 1986) and now meets the requirements of the Sacramento River Flood Control Project. Therefore, the completed work and the existing levee along Cache Slough between the junction of the cross levee and Levee Mile 5.93, Unit 2 is transferred as of November 1, 1989 to the State of California for operation and maintenance.

Final shaping and grading of the borrow site will be completed as weather permits, or next spring.

m 119
ROMPALA/mt

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Number 109, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

KEELY
A. SMITH

- cc: O Div; Fld Cntl Unit;
- Central Vly Sec; Prog Dev;
- F&A Br; Valley Res Ofc;
- Reading

Sincerely,

~~HELM~~
FAST
DENNIS

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

~~ERSON~~
Le CUYER

Copies Furnished:

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

PC#CROSSLEY

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THE RECLAMATION BOARD
of the
STATE OF CALIFORNIA

C
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Y

May 22, 1952

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

Dear Sir:

Reference is made to your letter (1) SPKKO-P 824.3 (Sac. Riv. F.C.P.) 13 December 1951, (2) your letter SPKKO-P 824.3 (Sac. Riv. F.C.P.) 19 December 1951, and (3) your letter SPKKA 824.3 (Sac. Riv. F.C.P.) 13 December 1951, transferring 101 reaches of levee and contiguous banks to the Reclamation Board for flood control operations and maintenance.

On January 2, 1952, the Reclamation Board accepted the transfer of the reaches of levee listed in first tabulation attached and did not accept those reaches of levee and contiguous bank in the second tabulation.

Yours very truly,

/s/A. M. Barton
A. M. BARTON
Chief Engineer and General Manager

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The Board accepted the transfer from the Corps of Engineers, in letters as 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:

<u>No.</u>	<u>Date of Letter</u>	<u>Levee Location</u>	<u>Remarks</u>
-	-----	-----	-----
	3 December 1951	1. Back levee of R.D.2068	Completed contract maintained by R.D. No.2068
-	-----	-----	-----

NOTE: Only portions pertaining to Unit No. 109 contained in this copy.

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THE RECLAMATION BOARD
of the
STATE OF CALIFORNIA

November 27, 1961

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

Dear Sir:

Reference is made to your letter of September 18, 1961, regarding transfer to the State of California of levee improvement and patrol road work at the following locations:

- (1) Levee construction and patrol road, Yolo Bypass right levee Station 0+50 to Station W1 34+25 and
- (2) Patrol road and levee construction from the junction of Duck and Haas Sloughs northerly along the back levee to high ground (90+80 to Station A234+00).

The Reclamation Board, at its meeting of November 16, 1961, formally accepted the above levee and patrol road work for operation and maintenance.

Sincerely yours,

/s/Robert W. James
ROBERT W. JAMES
General Manager and Chief Counsel

C
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SPKKO-C

7 December 1961

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

Gentlemen:

Reference is made to the joint inspection made on 17 November 1961 of portions of certain flood control work on a unit of the Sacramento River Flood Control Project, for the purpose of transferring it to the State of California for operation and maintenance. Reference is also made to the second supplement dated 5 June 1958, to Memorandum of Understanding entered into with the State of California under date of 30 November 1953, covering added items of work at critical locations required to complete the Sacramento River Flood Control Project.

The portions of the required flood control work referred to above was completed on 10 November 1961 in accordance with Specification No. 2707, Contract No. DA-04-167-CIVENG-61-67 and Drawing No. 50-4-3669 and consists of the following work:

a. Construction of the West Levee (Right Bank) of the Yolo Bypass beginning at a point 0.68 miles northerly from the junction of said levee with Cache Slough, thence northerly a distance of 2.14 miles terminating at the County Highway Bridge.

b. Levee construction and bank protection on the left bank of Cache Slough beginning at a point 1.50 miles upstream from the mouth of Cache Slough, thence upstream a distance of 2.44 miles terminating at Duck Slough.

The following levee construction and bank protection work not included in this transfer will be completed by separate contract at a later date:

a. Construction of the West Levee (Right Bank) of the Yolo Bypass beginning at the junction of said levee with Cache Slough, thence northerly a distance of 0.68 mile.

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SPKKO-C
The Reclamation Board

7 December 1961

b. Levee Construction and bank protection on the left bank of Cache Slough beginning at the mouth of Cache Slough, thence upstream a distance of 1.50 miles.

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

The foregoing supplemental work, having been completed to current standards for the Sacramento River Flood Control Project, 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 20S.10(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. N. TURNER
Colonel, CE
District Engineer

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

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Dec 21 1967
4130.55.604

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

Dear Sir:

Reference is made to your letter of November 28, 1967 concerning transfer to the State of California of three completed rock revetment sites on the east and west levees of the Yolo Bypass, in accordance with Specification No. 3418.

The Reclamation Board, at its meeting of December 15, 1967, 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

Sac Riv FC Proj.
Pending Transf to
Recl. Bd.

Mrs. Thompson

[Signature]

PSR2-7

FEB 2 1951

*See also
letters dated
16 Feb. 1951. and 18 April 1951
attached.*

The Reclamation Board
1100 "G" Street
Sacramento 14, California

Gentlemen:

Reference is made to letter from this office dated 24 March 1950 in reply to a letter from your Board dated 27 February 1950 concerning surveys to determine the status of levees in the Sacramento River Flood Control Project with a view to transferring those levees in the project that are complete to project standards. It was stated that as surveys progress it was proposed to transfer units of the project found to conform to project standards in order that the provision of State Law regarding maintenance can be placed in effect at the earliest practicable time. Reference is also made to letter dated 26 January 1951 from the Division Engineer, South Pacific Division to the Board involving the foregoing as well as other matters relative to the project.

Pursuant to the above, investigation has been made of those portions of the easterly and westerly levees of Yolo By-pass that were completed between the years 1931 to 1935 and which heretofore have not been turned over formally to your Board for maintenance in accordance with present day practices. The levees under consideration are:

- Unit No. 56A a. Easterly levee of Yolo By-pass from Minor Slough to Yolo Causeway. Covers Map Ref. No. 145-146 and 175. and 174 113, 116
- Unit No. 57A b. Easterly levee of Yolo By-pass from Yolo Causeway to South-ern Pacific Railroad. Covers Map Ref. No. 147 116
- Unit No. 58A c. Easterly levee of Yolo By-pass from Sacramento By-pass to a point approximately 2 miles south of Fremont weir. Covers Map Ref. No. 121-140 and 142 122, 123
- Unit No. 59A d. Westerly levee of Yolo By-pass from a point approximately 109

144 not included, Why not?

Units No. 56A-57A-58A-59A and 60A.

8008

PSKNO-P
The Reclamation Board

FEB 2 1951

1 mile north of the Yolo-Solano County line to a point approximately
 $\frac{1}{2}$ mile south of Yolano.
Covers Map Ref. No. 186-188 and portion of 185 which is between 186 and 188.

It is realized that certain features of these levees do not conform to the revision in project standards for Yolo By-pass authorized by the 1944 Flood Control Act, however, it is believed that a distinction should be made in this case between that authorization and the previous legislation known as the "Old" Sacramento Flood Control Project. Those parts of the levee that require additional construction authorized by the 1944 Flood Control Act will be completed to those standards in due course of time.

Maintenance manuals covering these units are in process of preparation and will be furnished your Board upon completion.

Accordingly, the levee units discussed herein are hereby transferred to the State of California for maintenance and operation. Acknowledgment of acceptance at an early date would be appreciated.

Sincerely yours,

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

cc: W. K. South
R. W. Barsdale
Engrg.
✓ R. H. Thompson

O.C.E.
Div, Engr.

REGISTERED MAIL
Return Receipt
Requested

Letter No. 3

3

SPKHA 824.5(Sac.Riv. F.C.P.)

4 DEC 1951

Refer. Recl. Board letter dated 2 April 1952.

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

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

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

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

Gentlemen:

Reference is made to your letter of 18 May 1951 acknowledging that certain reaches of the levees of the Sacramento River Flood Control Project and the waterway bank contiguous to said levee reaches meet the requirements of the project as authorized prior to the Flood Control Act of 1944.

The levee reaches in question are located as follows:

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

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

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

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing

Reaches 32 and 33
Items 9 to 11

3

C. de ARRIETA

Mile 0 to 50
" 50 to 106

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

Letter No. 3

3

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

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

Sincerely yours,

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

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

C. de ARRIETA

REGISTERED MAIL
Return Receipt
Requested

Letter No. 13

①

⑬

13 DEC 1951

SPEKA 824.5(Sac.Riv. F.C.P.)

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

Accepted by the Recl. Board:

-  Completed by Contract by C.of E.
-  Const. by Local Interests 203-248-250-285
-  No maint. is required. 204

Not Accepted

 No capable of separate maint.

Gentlemen:

Reference is made to your letter of 2 July 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:

a. Sherman Island levee of Three Mile Slough.

- ✓  (1) State Highway Bridge to Sacramento River.  101
- ✓  (2) From the State Highway Bridge, 1300 feet toward the San Joaquin River.  101
- ✓  (3) From a point 3900 feet toward the San Joaquin River from the State Highway Bridge to a point 6900 feet toward the San Joaquin River from the State Highway Bridge. 101
- ✓  (4) From a point 10,500 feet toward the San Joaquin River from the State Highway Bridge to the San Joaquin River. 101

 b. Plug across Seven Mile Slough near Three Mile Slough.  102

✓  c. Sherman Island levee of Seven Mile Slough and Three Mile Slough from the Plug across Seven Mile Slough southwesterly to Sacramento River.  102

Items 199 to 295

⑬

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

d. Easterly levee of the Sacramento River.

Reach
19

- 205 (1) From a point 23,650 feet, measured along the Sherman Island levee, downstream from Three Mile Slough to a point 21,950 feet downstream from Three Mile Slough. 101
- 206 (2) From a point 14,850 feet, measured along the Sherman Island levee, downstream from Three Mile Slough to a point 7,700 feet downstream from Three Mile Slough. 101
- 207 (3) From a point 6,300 feet, measured along the Sherman Island levee, downstream from Three Mile Slough to a point 3,450 feet downstream from Three Mile Slough. 101
- 208 (4) From a point 5,500 feet, measured along the Sherman Island levee, downstream from Three Mile Slough to a point 700 feet downstream from Three Mile Slough. 101
- 209 (5) From a point 500 feet, measured along the Sherman Island levee, downstream from Three Mile Slough to Three Mile Slough. 101
- 210 (6) Three Mile Slough to Mile 10.58. 102
- 211 (7) Mile 10.71 to Mile 13.1. 102
- 212 (8) Mile 13.59 to Mile 14.5 (Junction Point). 102
- 213 (9) Mile 14.5 (Junction Point) to Mile 15.0. 102
- 214 (10) Mile 15.1 to Mile 16.9. 102
- 215 (11) Mile 16.95 to Mile 17.5. Brannan 102
- 216 (12) Mile 17.6 to Mile 18.0. Andrus 103
- 217 (13) Mile 18.15 to Mile 18.5. " 103
- 218 (14) Mile 18.5 to Mile 21.5. v o " 103
- 219 (15) Mile 21.6 to Mile 26.3. v o " 103
- 220 (16) Mile 26.4 to Georgiana Slough. v o 103
- 221 (17) Mile 26.5 to Mile 27.55. v o III
- 222 (18) Mile 27.7 to Mile 28.5. III

2 X

Reach
19

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

d. Easterly levee of the Sacramento River. (cont'd)

- ✓ 223 (19) Mile 28.6 to Mile 28.9.
- ✓ 224 (20) Mile 29.1 to Mile 29.9.
- ✓ 225 (21) Mile 30.25 to Mile 30.55.
- ✓ 226 (22) Mile 30.75 to Mile 31.5.
- ✓ 227 (23) Mile 31.8 to Mile 32.2.
- ✓ 228 (24) Mile 32.4 to Mile 33.0.
- ✓ 229 (25) Mile 33.1 to Mile 34.45.
- ✓ 230 (26) Mile 34.65 to Mile 34.95.
- ✓ 231 (27) Mile 35.1 to Mile 36.38.
- ✓ 232 (28) Mile 35.38 to Mile 35.74. ✓ 0
- ✓ 233 (29) Mile 35.85 to Mile 36.55.
- ✓ 234 (30) Mile 36.5 to Mile 36.75.
- ✓ 235 (31) Mile 36.85 to Mile 37.15.
- ✓ 236 (32) Mile 37.3 to Mile 37.85.
- ✓ 237 (33) Mile 38.0 to Mile 38.3.
- ✓ 238 (34) Mile 38.5 to Mile 39.15.
- ✓ 239 (35) Mile 39.75 to Mile 39.9.
- ✓ 240 (36) Mile 40.0 to Mile 40.15.
- ✓ 241 (37) Mile 40.25 to Mile 40.35.
- ✓ 242 (38) Mile 40.5 to Mile 40.8.
- ✓ 243 (39) Mile 41.2 to Mile 41.6.
- ✓ 244 (40) Mile 41.75 to Mile 42.35.
- ✓ 245 (41) Mile 42.5 to Mile 43.05.

Head 17



SPKRA 324.3 (Sac. Riv. F. C. P.)
The Reclamation Board

d. Easterly levees of the Sacramento River. (cont'd)

Reach 17

- ✓ (246) (42) Mile 43.3 to Mile 45.55. } III
- ✓ (247) (43) Mile 45.55 to Mile 44.2. } III
- ✓ (248) (44) Mile 44.5 to Mile 45.3. x D 115
- ✓ (249) (45) Mile 55.4 to Mile 55.5. 115
- ✓ (250) (46) Mile 55.1 to American River. x D 118.1
- (251) (47) West levee of Sutter Bypass to Mile 87.5. 84.5
- (252) (48) Mile 91.4 to Mile 92.1.
- (253) (49) Mile 92.6 to Mile 92.7.
- (254) (50) Mile 92.9 to Mile 94.0. ✓ 0
- (255) (51) Mile 96.6 to Mile 97.4.
- (256) (52) Mile 97.5 to Mile 97.7. ✓ 0
- (257) (53) Mile 97.7 to Mile 97.8.
- (258) (54) Mile 99.9 to Mile 102.5. ✓ 0
- (259) (55) Mile 103.45 to Mile 103.7.
- (260) (56) Mile 103.8 to Mile 104.2.
- (261) (57) Mile 104.2 to Mile 104.7. ✓ 0
- (262) (58) Mile 104.7 to Mile 105.55.
- (263) (59) Mile 110.9 to Mile 111.5. ✓ 0
- (264) (60) Mile 118.4 to Mile 118.6 (South End Tisdale Weir).
- (265) (61) At Tisdale Weir. ✓ 0 150

Reach 1A



(266) e. Northerly levees of Miner Slough from a point 1,200 feet easterly from the easterly levees of Yolo Bypass to a point 4,400 feet easterly from the easterly levees of Yolo Bypass.

SPKHA 324.3 (Sec. Riv. F.O.P.)
The Reclamation Board

Letter No. 13

13

f. Westerly levee of Sutter Slough. 113

- Ranch 36
- ✓ (267) (1) Mile 26.5 to Mile 26.7.
 - ✓ (268) (2) Mile 27.05 to Mile 27.2.
 - ✓ (269) (3) Mile 27.3 to Elkhorn Slough.

g. Westerly levee of Elkhorn Slough.

- ✓ (270) (1) Sutter Slough to Station "A" 431+00.
- ✓ (271) (2) Station "A" 429+50 to Station "A" 405+00.
- ✓ (272) (3) Station "A" 403+50 to Station "A" 344+75.
- ✓ (273) (4) Station "A" 340+75 to Station "A" 326+00.
- ✓ (274) (5) Station "A" 70+50 to Station "A" 60+50.

h. Westerly levee of the Sacramento River.

- Ranch 3
- ✓ (275) (1) Mile 119.2 to Mile 119.7.
 - ✓ (276) (2) Mile 131.4 to Mile 131.8.
 - ✓ (277) (3) Mile 133.1 to Mile 133.3. ✓ 0
 - ✓ (278) (4) Mile 134.0 (Meridian Bridge) to Mile 134.3.
 - ✓ (279) (5) Mile 134.3 to Mile 140.6. ✓ 0
 - ✓ (280) (6) Mile 140.6 to Mile 141.3.
 - ✓ (281) (7) Mile 141.3 to Mile 142.0. ✓ 0
 - ✓ (282) (8) Mile 142.0 to Mile 142.3.
 - ✓ (283) (9) Mile 142.3 to Mile 142.7 (Union Oil Co. Wharf). ✓ 0

Ax (284) i. Easterly levee of Georgiana Slough from the S.P.R.R. stream 22,500 feet. ✓ 103

28 (285) j. Northerly levee of the American River and the back levee of Reclamation District No. 1000 from Jibboom Street Bridge to El Camino Avenue. 125 x D

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

k. Northerly levee of Natamas Cut.

- 48 ✓ (286) (1) From Sacramento River easterly to a point 1,550 feet easterly from the Garden Highway Bridge. 142
- ✓ (287) (2) From a point 2,550 feet easterly from the Garden Highway Bridge to a point 3,250 feet easterly from the Garden Highway Bridge. 142
- Reach No. 30 ✓ (288) 1. Back levee of Reclamation District No. 2068 along the S.N.R.R. from the County Road northeasterly 7,200 feet to high ground. 109
- (289) n. Southerly levee of North Dry Creek near Wheatland from high ground to the W.P.R.R. Interceptor. 145
- ✓ (290) n. Easterly levee of the W. P. R. R. Interceptor from North Dry Creek southerly to Bear River. 145
- ✓ (291) o. Northerly levee of Bear River from the W. P. R. R. Interceptor easterly to South Dry Creek. 145
- ✓ (292) p. Northerly levee of South Dry Creek near Wheatland from Bear River easterly to high ground, including the Singh saddle closure levee. 145
- ✓ (293) q. Southerly levee of Bear River from the W.P.R.R. easterly to a point 5,400 feet easterly from Carlin Bridge. 141.1
- ✓ (294) r. Southerly levee of South Dry Creek near Wheatland from Bear River easterly 1.86 miles. 144
- ✓ (295) s. Northerly levee of Bear River from South Dry Creek easterly to a point 4,000 feet easterly from Carlin Bridge. 144

The records of this office show that your Board has accepted the levees and/or works covered by Items d.(14), d.(15), d.(16), d.(29), d.(50), d.(52), d.(54), d.(57), d.(59), d.(61), h.(3), h.(5), h.(7), h.(9), i., m., n., o., p., q., r., and s., 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. to c., inclusive, d.(1) to d.(13), inclusive, d.(17), to d.(27), inclusive, d.(29), to d.(49), inclusive, d.(51), d.(53), d.(55), d.(56), d.(58), d.(60), e., f., g., h.(1), h.(2), h.(4), h.(6), h.(8) and j. to l., inclusive, above, although complete has not been formally transferred as contemplated by the Project documents.

Letter No. 13 (13)

SPKKA 624.3(Sac.Riv.F.C.P.)
The Reclamation Board

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 208.10(10) of these regulations, a maintenance manual covering these works is in process of preparation and will be furnished your Board upon completion.

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

FOR THE DISTRICT ENGINEER:

Sincerely yours,

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

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

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

Accepted Items

No. Date of Letter

Levee Location

Remarks

6 6 Dec. 1951

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

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

12-13-14-15

7 7 Dec. 1951

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

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

= 329

87-A

= 331

89-A

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

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

8 8 Dec. 1951

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

Maintained as Maintenance
Area No. 1.

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

8 Do

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

Maintained by State
Separate completed contracts.

58-59-60-61-62-63

8 Do

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

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

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

8 Do

West levee, Sutter By-pass*

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

71-72-73

8 Do

North levee Tisdale
By-pass†

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

74

8 Do

South levee Tisdale
By-pass†

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

75

8 Do

East levee Sutter
By-pass*.

Maintained by State.

76

9 Do

W. levee Sacramento River
Mile 35.15 to 35.86.

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

81

21
2

Accepted Items

No.	Date of Letter	Levee Location	Remarks
(91) 10	8 Dec. 1951	Cross levee Steamboat Slough to Sacramento River.*	Maintained by R.D. No. 3 (along U.S.spoil bank).
(140) 11	Do	N. levee American River from Jibboom St. Bridge to Sacramento River.	Maintained by R.D. No. 1000.
(141) 11	Do	E. levee Sacramento River American River to Natomas Cut.	Maintained by R.D.No. 1000.
(142) 11	Do	E. bank Sacramento River At Moulton Weir.	Maintained by State.
(143) 11	Do	E. Levee Sacramento River Mile 158.5 to Mile 164.4.	Maintained partly by State; remainder by Levee District.No. 3, Glenn County, Completed Contract.
(146) 11	Do	W. levee Sacramento River Mile 61.8 to Mile 62.65.	Maintained by Maintenance Area No. 4. Completed contract.
(147) 11	Do	W. Levee Sacramento River Mile 62.65 to Mile 63.1.	Maintained by R.D. No. 537 Completed contract.
(148) 11	Do	Sacramento Weir.	Maintained by State.
(152) 11	Do	Fremont Weir.	Maintained by State.
11	Do	W. Levee Sacramento River Mile 87.6 to Mile 88.4;	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
Return Receipt
Requested



SPRHO-P 824.3 (Sac. R. FCP)

19 JUN 1952

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

Gentlemen:

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

In accordance with the above, you are advised that the levee enlargement and the drainage facilities required along the left bank of Cache Slough at Lookout Slough Closure, approximately 3 miles northerly of Rio Vista, Calif. have been completed as provided under Specification No. 1547 and Drawing No. 50-4-2854. This work is of such nature that a joint inspection is not necessary.

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

The maintenance 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 206.13 (10) of these regulations, a maintenance manual covering this unit of work is in process of preparation and will be furnished your Board upon completion.

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

FOR THE DISTRICT ENGINEER:

Sincerely yours,

Copy furnished:
 Office, Chief of Eng.
 So. Pac. Div. Eng.
 State Engineer
 cc: Engr. Div.
 Sacto. Field Office
 C. deArrieta

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

Unit 7109
 Unit 94 A
 336
 32
 34

SERVICE SECTION

REGISTERED MAIL
Return Receipt
Requested



SPRHO-P 824.3 (Sac. R. FCP)

19 JUN 1952

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

Gentlemen:

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

FOR THE DISTRICT ENGINEER:

Sincerely yours,

Copy furnished:
 Office, Chief of Eng.
 So. Pac. Div. Eng.
 State Engineer
 cc: Engr. Div.
 Sacto. Field Office
 C. deArrieta

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

Unit 7109
 Unit 94 A
 336
 32
 34

A. R. GALLAWAY, JR., SACRAMENTO
PRESIDENT
GROVER SHANNON, YUBA CITY
VICE PRESIDENT
GEO. H. HOLMES, CLARKSBURG
SECRETARY
W. P. HARKEY, GRIDLEY
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GEO. E. LODI, ARBUCKLE
DOUGLAS B. COHEN, BANTA

EARL WARREN
GOVERNOR

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

THE RECLAMATION BOARD
OF THE
STATE OF CALIFORNIA
1100 O STREET
SACRAMENTO 14, CALIFORNIA
TELEPHONE: GI 3-4671

1/12/53

May 12, 1953

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

Dear Sir:

Reference your letters effecting transfer of certain flood control works to the State of California as follows:

325

1. Letter File No. SPKKO-P 824.3 (Butte Creek) dated 9 June 1952, Channel improvement and levee construction work located along Butte Creek from U.S. Highway 99E downstream 8.7 miles, and waterway banks contiguous thereto.

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

VOL 17 Upper Butte Creek #2

Letter No. 31

301

2. Letter File No. SPKKO-P 824.3 (Sac. R.F.C.P.) dated 10 November 1951, Lower Butte Creek project from the Gridley road upstream to a point approximately 1-1/2 miles south of the Glenn Butte County line.

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

Letter No. 23

336

3. Letter file No. SPKKO-P 824.3 (Sac. R.F.C.P.) dated 19 June 1952, levee enlargement and drainage facilities along the left bank of Cache Slough at Lookout Slough Closure, and contiguous waterway bank.

Unit 109

Letter No. 32

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

The Reclamation Board, on behalf of the State of California in meeting held May 6, 1953, accepted subject Flood control works for operation and maintenance.

Yours very truly

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

D. M. Carr
D. M. CARR

Units 301, 325, 336
Letter No. 39

DMC:cmh
CC: State Engineer

5699



REGISTERED

RETURN RECEIPT REQUESTED

SPKCO-P 82h.3 (Sac. Riv. F.C.P.)

12 SEP 1956

The Reclamation Board
State of California
1215 "C" Street
Sacramento 11, California

Gentlemen:

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

The levee unit referred to above is described as follows:

Levee Unit No. h3h: Eastern levee of Cache Slough from approximately Mile 15.3 to Mile 17.3.

This levee unit was completed on 17 July 1956, under Contract No. DA-01-167-eng-56-36 and Drawing No. 50-4-3075, and now meets the requirements of the Sacramento River Flood Control Project, therefore said Levee Unit No. h3h, together with the bank contiguous thereto, is hereby transferred to the State of California for operation and maintenance.

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

UNIT 109
Contract 56-36
Unit 484
Posted

REGISTERED

RETURN RECEIPT REQUESTED

W. B. HIRGRAVES

SPKCO-P 824.3 (Sec. Div. P.C.P.)
The Reclamation Board

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

1 Incl
1. P. C. Reg.

Copy furnished:
Dept. of Water Resources
Sacto., Calif. w/o incl.
O.C.E. w/o incl.
So. Pac. Divn. Engr. w/o incl.

cc: Engr. Div. w/o incl.
Sacto. Projs. Ofc. w/o incl.
W. B. Hargraves

Sincerely yours,

A. E. McCOLLAM
Colonel, CE
District Engineer

Supplement #2

18 SEP 1961

SPKRD-C

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

Gentlemen:

Reference is made to the joint inspection made on 14 September 1961 of portions of certain flood control work on a unit of the Sacramento River Flood Control Project, for the purpose of transferring it to the State of California for operation and maintenance. Reference is also made to the second supplement dated 5 Jun 1958, to Memorandum of Understanding entered into with the State of California under date of 30 November 1953, covering added items of work at critical locations required to complete the Sacramento River Flood Control Project.

The portions of the required flood control work referred to above was completed on 14 September 1961 in accordance with Specification No. 2707, Contract No. DA-04-167-CIVENG-61-67 and Drawing No. 50-4-3669, and consists of the following work:

- a. Construction of the West Levee (Right Bank) of the Yolo Bypass beginning at the County Road which is 4.35 miles northerly from the junction of said levee with Cache Slough, thence northerly a distance of 5.02 miles to end of the levee work.
- b. Shaping and gravel surfacing levee crown for patrol road beginning at junction of Haas and Duck Sloughs, thence northerly a distance of 5.47 miles to end of the work.

The foregoing supplemental work, having been completed to current standards for the Sacramento River Flood Control Project, 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

666a Unit 109

Supplement #2

LHK:pp

18 SEP 1961

SPKED-C
The Reclamation Board

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 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. N. TURNER
Colonel, CE
District Engineer

1 Incl
F.C. Reg.

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

cc: O.C.E.
S.P.D.

cc: Engr Divn - Lev & Chan
Engr Divn - Prog Dev Br
Fin & Acct Br
Northern Area Office

OPERATIONS BRANCH
CHANNELS & LEVEES SECTION

Concurrences	
Originator:	LHK
Date:	9/13/61
Dist. Engr.	<i>[Signature]</i>
Dep. Dist. Engr.	<i>[Signature]</i>
Exec. Asst.	<i>[Signature]</i>
Comptlr.	
Budget	
Fin. & Acct.	
Mgmt.	
Property	
Office Service	
Contn. Opns.	<i>[Signature]</i>
Engr's.	
R. E.	
Personnel	
Counsel	
Supply	
Security	
Safety	
Tech. Liaison	

Unit 109
[Signature]

EDMUND G. BROWN
GOVERNOR

STANLEY L. KRONICK, SACRAMENTO
PRESIDENT
J. J. MADIGAN, CHICO
VICE PRESIDENT
WALLACE MCCORMACK, RIO VISTA
SECRETARY

THE RECLAMATION BOARD

OF THE
STATE OF CALIFORNIA

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

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

January 15, 1962

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

Dear Sir:

Reference is made to your letter of December 7, 1961, regarding transfer to the State of California of levee improvement and patrol road work along the right levee of Yolo Bypass from Cache Slough upstream a distance of 2.82 miles to the County Road Bridge and along the left bank of Cache Slough from the mouth, upstream to Duck Slough.

The Reclamation Board, at its meeting of January 4, 1962, formally accepted two portions of this levee work for operation and maintenance with the restrictions as listed under each section as follows:

- (1) Accept unconditionally from the Corps the right levee of Yolo Bypass from 1.38 miles north of the junction of Cache Slough northerly, a distance of 1.44 miles to the County Road, and the left levee of Cache Slough from 1.91 miles upstream from the mouth, upstream to Duck Slough.
- (2) Accept conditionally from the Corps with the understanding that the Corps will reconstruct any substantial settlement that occurs within 3 years the right levee of Yolo Bypass from 0.68 miles to 1.38 miles north of Cache Slough and the left levee of Cache Slough from 1.5 miles to 1.91 miles upstream from its mouth.

*Copy sent to
Engineering
Bureau
Mar 7 1962*

District Engineer

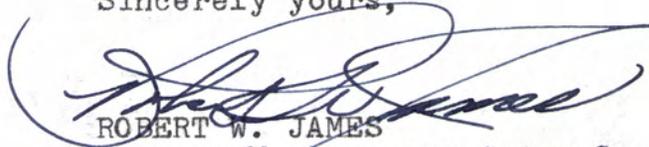
-2-

January 15, 1962

It is our understanding, as contained in your letter, that the following section of the levee work will not be transferred but will be completed to grade and section under a separate contract at a later date:

- (3) Right levee of Yolo Bypass from the junction with Cache Slough to 0.68 miles north of Cache Slough and the left levee of Cache Slough from its mouth to 1.5 miles upstream from its mouth.

Sincerely yours,



ROBERT W. JAMES
General Manager and Chief Counsel

HSH:els

SPKKO-F

28 November 1967



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

Gentlemen:

Reference is made to the joint inspection on 21 November 1967, made for the purpose of transferring three completed rock revetment sites on the east and west levees of the Yolo Bypass, to the State of California for operation and maintenance. The first site starts on the east levee, 3.0 miles upstream from the Sacramento Bypass and runs upstream for a distance of 8,000 feet. The second site starts on the east levee, 2,100 feet upstream from Interstate 80 and runs downstream for a distance of 1,220 feet. The third site starts on the west levee, 0.9 mile upstream from Liberty Farms headquarters and runs downstream 5,640 feet.

not
noted

The work was completed on 21 November 1967, in accordance with Specification No. 3418, Contract No. DACW05-67-C-0082, and Drawing No. 50-4-4348. This work was performed under the general authority of the Sacramento River Major & Minor Tributaries Flood Control Project, which was authorized by the Flood Control Act of 22 December 1944 (Public Law 534, 78th Congress, 2nd Session).

WAIT/jmc

The above Flood Control work now meets the requirements of the Sacramento River Major & Minor Tributaries 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.

COLEMAN
HENSON

This portion of the project work will be added by amendment to the Operation & Maintenance Manual, Supplement Nos. 109, 116 & 122, Sacramento River Flood Control Project, and furnished to your office at a later date.

YOUNG

Sincerely yours,

CRAWFORD YOUNG
Colonel, CE
District Engineer

Units
109, 116,
122

30

Copy furnished:
Dept Water Resources

O.C.E. & SPD

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

cc: Engr Div-Lev & Chann;
Engr Div-Prog Dev;

Valley
F&A(Cordano)

to draw # 5PEC

*filed w/ Sac River Major & Minor Levees
Transfer folder #15*

CERTIFIED

No. 785481
RETURN RECEIPT REQUESTED

December 16, 1986

Navigation and Flood Control Unit

The Reclamation Board
State of California
1416 - 9th Street, Room 445-6
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of December 12, 1986, made for the purpose of transferring completed rock revetment sites to the State of California for operation and maintenance. This work consists of bank sloping and placement of stone protection on the Yolo Bypass West Levee at ten sites in Reclamation District 2096. The work was constructed as part of the Sacramento River and Major and Minor Tributaries Flood Control Project and completed on December 12, 1986 in accordance with Specification Number 7945, Contract Number DACW05-86-C-0092, Drawing Number 50-4-5762.

*gm 12-17
ROMPALA/mc*

The work was performed under the general authority of the Flood Control Act of December 22, 1944 (Public Law 534, 78th Congress, 2nd Session), as amended and now meets the requirements of the Sacramento River and Major and Minor Tributaries Flood Control Project. Therefore, said work, together with the waterway banks contiguous thereto, is transferred as of December 12, 1986 to the State of California for operation and maintenance.

*gm for
KELLY*

SMITH

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement Number 109, Sacramento River Flood Control Project, and furnished to your office at a later date.

HELM

Sincerely,

DENNIS

MCCOY

SCHOLL

WANG #6017a

- cc: Eng'r Div
- Civ Des Sec D (PAHL)
- Prog Div
- F&A Br
- Valley Res Ofc
- C-0 Div
- Reading



Wayne J. Scholl
Colonel, Corps of Engineers
District Engineer

Wang 109

Copy Furnished:

Mr. Snow
Mr. Angel
Commander, South Pacific Division, ATTN: HEDCO-0
Commander, USACE, ATTN: DAEN-CNO-0

UNITED STATES POSTAL SERVICE



December 27, 1991

Navigation and Flood Control Unit

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

Members of the Board:

This letter is in regard to the joint inspection of December 16, 1991, made for the purpose of transferring the completed Cache Slough and Yolo Bypass Mitigation Area (Contract 42M4 of Separable Element 41) to the State of California for operation and maintenance.

The mitigation work, located at the south end of Reclamation District Number 2098, consists of the construction of two islands, two river outlets, a boat ramp, and a berm along the waterside toe of the cross levee between the Yolo Bypass and Cache Slough. The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL86-645, 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.

The work was completed on December 11, 1991 in accordance with Contract Number DACW05-91-C-0110, Specification Number 9033, and Drawing Number 50-25-5858, and is transferred as of the date of this letter to the State of California for operation and maintenance.

not

Unit 109

This work and any special operation and maintenance requirements will be added by amendment to the Operation and Maintenance Manual, Supplement Number 109, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

Sincerely,

RJK
KELLY/cs

ds
SMITH

Laurence R. Sadoff
Colonel, Corps of Engineers
District Engineer

ds
HELM

WINTON

Copies Furnished:

- P* Department of Water Resources, ATTN: G. Snow, 3201 S Street, Sacramento, California 95816-7017
- L* Department of Water Resources, ATTN: G. Qualley, 1416 Ninth Street, Sacramento, California 95814
- Y* Cdr, CESP, ATTN: CESP-CO-O
- X* Cdr, USACE, ATTN: DAEN-CECW-OM

ds
PENNIS

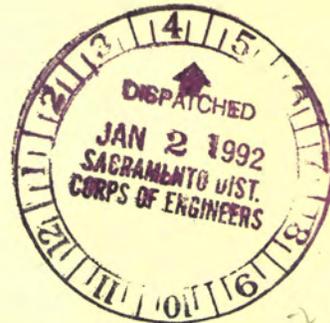
ds
KORMAN

MASON

ds
SADOFF

cc:

- P* Operations Br
- P* Nav and Fld Control Unit
- P* Central Valley Sec
- P* Prog Dev
- P* F&A Br
- P* Valley Res Ofc



Unit 109



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

REPLY TO
ATTENTION OF

Flood Protection and Navigation Section

NOV 24 2010

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

Dear Mr. Punia:

The U.S. Army Corps of Engineers has completed a portion of work under PL 84-99, Flood Control and Coastal Emergencies (FCCE) (33 U.S.C. 701n) (69 Stat. 186) for emergency management activities. Repairs were made to rehabilitate various sites within RD 2098. Additional information about the repair and location of the sites may be found in the document titled, "Project Information Report for Public Law 84-99 Levee Rehabilitation, Reclamation Districts 2068 and 2098 (Final)", dated August 8, 2008.

The rehabilitation work meets the requirements of the existing Operation and Maintenance Manuals (O&M) and enclosed revisions. The subject flood damage reduction project is considered complete as of the date of this letter. The repairs were completed under Contract Number W91238-08-D-0025, Task Order Number 1. As-constructed drawings and revisions to the Operation and Maintenance Manual are enclosed. The Central Valley Flood Protection Board shall continue to operate and maintain the completed Rehabilitation Effort as part of the project.

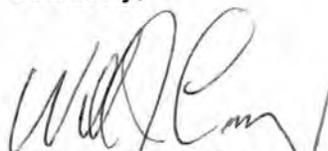
Mitigation plantings for the above work are required but have not been completed. The estimated completion date for the plantings is Spring 2011. All mitigation plantings will be ETL 1110-2-571 compliant. After completion of the plantings, a separate letter with addendum and as-builts will be sent to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

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

Unit 109

A copy of this letter is being furnished to Reclamation District 2098 C/O RD 2068,
7178 Yolano Road, Dixon, CA, 95620.

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 "J" and a distinct "L" at the end.

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

Enclosure

Unit 109

Flood Protection and Navigation Section

cc: CESPCK-CO-E (Jones)

MURAKAMI *CM*

LARSON *LZ*

NAGY

CALDWELL *EC*

OLSEN *PO*

MAHONEY *Finson*

NO FAUSTINO *A*

MULLINS *RM*

LEADY

\\spk-netapp1\COOPublic\FP&Nav\ICW\Transfer Letters\RD 2098\RD 2098 Transfer Letter Nov 2010.doc

Unit 109

EXHIBIT G

SUGGESTED SEMI-ANNUAL REPORT FORM

EXHIBIT G

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

{ 1 May 19__ }
{ 1 Nov 19__ }

Dear Sir:

The semi-annual report for the period (1 May 19__ to 31 October 19__) (1 November 19__ to 30 April 19__) Unit No. 109 of the Sacramento River Flood Control Project is as follows:

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

(Superintendent's summary of conditions)

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

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

b. During this report period, major high water periods (water level at 12.0 on the gage on the County Bridge leading to Liberty Island)

<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