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
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, SACRAMENTO
Corps of Engineers
Sacramento, California
April 1962
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<td>Applicable Methods of Combating Floods</td>
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<td>Description</td>
<td>Description</td>
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<td>A</td>
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<td>&quot;As Constructed&quot; Drawings</td>
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<td>C</td>
<td>Plates of Suggested Flood Fighting Methods</td>
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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

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 Yolano 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.


### TABLE 1: RECLAMATION DISTRICT 2098

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<td>017</td>
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<td>38.29300, -121.72397 to 38.29492, -121.72525</td>
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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 westerry 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:

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<th>Levee:</th>
<th>Size of:</th>
<th>Other Structure Description</th>
<th>Feet</th>
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<tbody>
<tr>
<td>Mile: Pipe</td>
<td></td>
<td>Below Crown</td>
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<tr>
<td>0.37</td>
<td>30&quot;</td>
<td>Concrete pipe</td>
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<tr>
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<td>1.07</td>
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<td>Flapgate W.S.</td>
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<td>5.48</td>
<td>3-36&quot;</td>
<td>Site of Old District drainage plant</td>
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<td>5.48</td>
<td>2-18&quot;</td>
<td>Site of Old District drainage plant</td>
<td>14.5</td>
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<tr>
<td>5.48</td>
<td>36&quot;</td>
<td>Site of Old District drainage plant</td>
<td>3.8</td>
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<tr>
<td>5.48</td>
<td>42&quot;</td>
<td>Site of Old District drainage plant</td>
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<tr>
<td>Levee: Size of:</td>
<td>Other Structure Description</td>
<td>Foot</td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>----------------------------</td>
<td>------</td>
<td></td>
</tr>
<tr>
<td>Mile: Pipe:</td>
<td></td>
<td></td>
<td></td>
</tr>
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| Unit No. 1-Yolo Bypass to Cache Slough |  |
|----------------------------------------|  |
| 0.69  42"  Gas Line                   | 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"                          | 10.0 |
| 9.85  24"                            | 10.0 |
| 12.12 14"                           | 8.2  |

| Unit No. 2-Back or West Levee of R.D.2063 |  |
|-------------------------------------------|  |
| 0.83  24"  Slidegate each end            | 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:


2. Suggested Check Lists - EXHIBIT E of this Supplement 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:


(2) Suggested Check Lists - EXHIBIT E of this Supplement 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 appraised 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:


(2) Suggested Check Lists - paragraph 7-03 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 repre-
sentative 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:

<table>
<thead>
<tr>
<th>File No.</th>
<th>Title</th>
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</thead>
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<tr>
<td>50-4-1247-1</td>
<td>Raise West Levee of R.D. 2068, 1 sheet</td>
</tr>
<tr>
<td>50-4-1252</td>
<td>Raise West Levee of Sullivan and Roche Lands, 1 sheet</td>
</tr>
<tr>
<td>50-4-1302</td>
<td>Raise West Levee of R.D. 2068, 1 sheet</td>
</tr>
<tr>
<td>50-4-1303-1</td>
<td>Raise West Levee of Sullivan &amp; Roche Lands, in 2 sheets</td>
</tr>
<tr>
<td>50-4-1311</td>
<td>Raise Levee East of Cache Slough, in 2 sheets</td>
</tr>
<tr>
<td>50-4-1356-3</td>
<td>Construct New and Raise Existing Levee Near Junction with Cache Slough, in 2 sheets</td>
</tr>
<tr>
<td>50-4-1939-1</td>
<td>Yolo Bypass West Levee from R.D. 2068 Pump North approximately 5.5 Miles, in 3 sheets</td>
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<tr>
<td>50-4-3669</td>
<td>Levee construction, Right Bank of Yolo Bypass and Left Bank of Cache Slough, in 23 sheets</td>
</tr>
<tr>
<td>50-4-4348</td>
<td>Bypass Levee Revetment East and West Levees Yolo Bypass, in 7 sheets</td>
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<tr>
<td>50-4-5783</td>
<td>Cross Levee Construction Between Cache Slough and Shag Slough</td>
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<tr>
<td>None</td>
<td>PL 84-99 Levee Rehabilitation Repairs CY2008 Orders 2-3 Sites, Reclamation District 2098, Solano County, California in 8 sheets</td>
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<td>50-4-5762</td>
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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 CHECKLISTS OF LEVELS,
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_____________________

<table>
<thead>
<tr>
<th>Item</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Location by Station</td>
<td></td>
</tr>
<tr>
<td>(b) Settlement, sloughing, or loss of grade</td>
<td></td>
</tr>
<tr>
<td>(c) Erosion of both levee slopes</td>
<td></td>
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<tr>
<td>(d) Condition of roadways, including ramps</td>
<td></td>
</tr>
<tr>
<td>(e) Evidence of seepage</td>
<td></td>
</tr>
<tr>
<td>(f) Condition of farm gates and fencing</td>
<td></td>
</tr>
<tr>
<td>(g) Maintenance measures taken since last inspection</td>
<td></td>
</tr>
<tr>
<td>(h) Comments</td>
<td></td>
</tr>
</tbody>
</table>
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 gullying of the section has occurred.

Item (c) If sufficient erosion or gullying of back face of back toe of levee has taken place to be noticeable by visual inspection, indicate area affected and depth.

Item (d) Note any natural change in any section of roadway or ramps. Indicate any inadequacy in surface drainage system.

Item (e) Indicate any evidence of seepage through the embankment section.

Item (f) Indicate the serviceability of all farm gates across the embankments and roadway, and indicate if repainting is required.

Item (g) Indicate maintenance measures that have been performed since last inspection and their condition at the time of this inspection.

Item (h) Record opinion, if any, of contributory causes for conditions observed and also any observations not covered under other columns.

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

<table>
<thead>
<tr>
<th>(a) Location by Levee Mileage</th>
<th>(b) Bank</th>
<th>(c) Debris or Other Obstruction to Flow</th>
<th>(d) Damage or Settlement of Pipe or Conduit</th>
<th>(e) Condition of Concrete or Headwall or Invert Filling</th>
<th>(f) Condition of Right-of-Way Adjacent to Structure</th>
<th>(g) Repairs Taken Since Last Inspection</th>
<th>(h) Comments</th>
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*Unit No. 1 - West Levee or 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. ____________

Date ____________

Inspector ____________

Superintendent ____________

<table>
<thead>
<tr>
<th>(a)</th>
<th>(b)</th>
<th>(c)</th>
<th>(d)</th>
<th>(e)</th>
<th>(f)</th>
<th>(g)</th>
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<tr>
<td>Located</td>
<td>Bank</td>
<td>Debris or other obstruction to flow</td>
<td>Damage or settlement of pipe or conduit</td>
<td>Condition of head wall or invert paving</td>
<td>Condition of right-of-way adjacent to structure</td>
<td>Repair measures taken since last inspection</td>
<td>Comments</td>
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Unit No. 1 - Yolo Bypass to Cache Slough, Cont'd.
# Suggested Check List No. 4

## Drainage and Irrigation Structures

### Unit No. 109

<table>
<thead>
<tr>
<th>(a) Location by Levee</th>
<th>(b) Bank</th>
<th>(c) Debris or other obstruction to flow</th>
<th>(d) Damage or settlement of pipe or conduit</th>
<th>(e) Condition of interior or interior</th>
<th>(f) Condition of right-of-way adjacent to structure</th>
<th>(g) Repair measures taken since last inspection</th>
<th>(h) Comments</th>
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**Unit No. 1 - Yolo Bypass to Cache Slough, Cont'd.**

12.12 Lt.

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

| 0.83 | Lt.   |
| 0.84 | Lt.   |
| 0.87 | Lt.   |
| 1.89 | Lt.   |
| 2.94 | Lt.   |
| 3.20 | Lt.   |

---

*Sheet 8 of 9*
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
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,

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

Enclosures
<table>
<thead>
<tr>
<th>Unit No.</th>
<th>Project Name</th>
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<tbody>
<tr>
<td>101</td>
<td>RD 341 Sherman Island</td>
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<tr>
<td>102</td>
<td>E. Levee of Sac River, Isleton to Threemile Slough &amp; N. Levee of Threemile Slough from Sac River to SJ River</td>
</tr>
<tr>
<td>103</td>
<td>Both Levees of Georgiana Slough &amp; E. Levee of Sac River from Walnut Grove to Isleton</td>
</tr>
<tr>
<td>104</td>
<td>Levees around Grand Island</td>
</tr>
<tr>
<td>105</td>
<td>Levees Around Reyer Island</td>
</tr>
<tr>
<td>106</td>
<td>S. Levee Lindsey Slough &amp; W. Levee of Yolo BP from Lindsey Slough to Watson Hollow and N. Levee of Watson Hollow Drain</td>
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<td>107</td>
<td>Levees Around Hastings Tract</td>
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<td>108</td>
<td>Levees Around Peters Tract</td>
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<td>109</td>
<td>West Levee of Yolo Bypass &amp; E. Levee of Cache Slough</td>
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<td>110</td>
<td>Levees Around Sutter Island</td>
</tr>
<tr>
<td>111</td>
<td>E. Levee of Sac River from Freeport to Walnut Grove</td>
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<tr>
<td>112</td>
<td>Levees Around Merritt Island</td>
</tr>
<tr>
<td>113</td>
<td>E. Levee Yolo Bypass, N. Levee Miner Slough, W. Levee Sutter Slough, Elkhorn Slough &amp; Sac River, All Bordering RD 999</td>
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<tr>
<td>114</td>
<td>W. Levee of Sac River from Northern Boundary of RD 765 to Southern Boundary of RD 307</td>
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<tr>
<td>115</td>
<td>E. Levee of Sac River from Sutterville Rd to Northern Boundary of RD 744</td>
</tr>
<tr>
<td>116</td>
<td>W. Levee of Sac River from Sac Weir to Mi 51.2 &amp; S. Levee of Sac Bypass &amp; E. Levee of Yolo Bypass from Sac Bypass to Southern Boundary of RD 900</td>
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<td>E. Levee Sac River through City of Sac from Tower Bridge to Sutterville Rd</td>
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<tr>
<td>118.1</td>
<td>E. Levee of Sac River from American River to Tower Bridge &amp; S. Levee of American River from Mayhews Downstream to Sac River</td>
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<tr>
<td>118.2</td>
<td>N. Levee American River, E. Levee Natomas Canal, Both Levees Arcade Creek, S. Levee Linda Creek, &amp; Magpie Creek Diversion Channel</td>
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<td>118.2 Sup</td>
<td>Vegetation on Mitigation Sites E. Levee of Sac River from American River to Tower Bridge &amp; S. Levee of American River from Mayhews Downstream to Sac River</td>
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<td>120</td>
<td>Relocated Willow Slough Channel &amp; Levees &amp; W. Levee Yolo Bypass from mouth of Relocated Willow Slough to Yolo Causeway</td>
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<td>121</td>
<td>R. Levee of Yolo Bypass from Willow Slough Bypass to Woodland Rd RD2035</td>
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<td>Page</td>
<td>Description</td>
</tr>
<tr>
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</tr>
<tr>
<td>124</td>
<td>N. Levee of American River from Natomas E. Canal to Sac River &amp; E. Levee of Sac River from Natomas Cross Canal to American River. Includes supplement, Vegetation on Mitigation Sites.</td>
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<tr>
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<td>Back Levee of RD 1000</td>
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<td>126</td>
<td>Cache Creek Levees &amp; Settling Basin Yolo Bypass to High Ground</td>
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<tr>
<td>127</td>
<td>Knights Landing Ridge Cut &amp; Sac River &amp; Yolo BP Levees of RD's 730 and 819 &amp; S. Levee of Sycamore Slough</td>
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<td>128</td>
<td>E. Levee of Sac River from Sutter Bypass to Tisdale Weir all within RD 1500</td>
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<tr>
<td>129</td>
<td>S. Levee of Tisdale By-Pass from E. Levee Sac River to W. Levee Sutter BP &amp; W. Levee of Sutter BP Downstream to E. Levee of Sac River</td>
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<tr>
<td>130</td>
<td>W. Levee Sac River from Sycamore Slough to Wilkins Slough (Mi. 89.9 to Mi. 117.8)</td>
</tr>
<tr>
<td>131</td>
<td>W. Levee Sac River from Wilkins Slough to Colusa (Mi. 117.8 to Mi. 143.5)</td>
</tr>
<tr>
<td>132</td>
<td>Back Levees of RD 108</td>
</tr>
<tr>
<td>133</td>
<td>E. Levee of Sac River from Winship School to Tisdale BP &amp; N. Levee of Tisdale BP &amp; W. Levee of Sutter BP from Long Bridge to Tisdale BP</td>
</tr>
<tr>
<td>134</td>
<td>Levees of RD 70, E. Levee of Sac River from Butte Slough Outfall Gates to Winship School &amp; W. Levee of Sutter BP from Butte Slough Outfall Gates to Long Bridge</td>
</tr>
<tr>
<td>135</td>
<td>E. Levee of Sutter BP from Sutter Buttes Southerly to Junction with Feather River &amp; E. &amp; W. Levees of Wadsworth Canal &amp; Levee of Intercepting Canals</td>
</tr>
<tr>
<td>136</td>
<td>E. Levee of Sac River from Butte Slough Outfall Gates to the Princeton-Afton Rd (Mi. 138.3 to Mi. 164.4)</td>
</tr>
<tr>
<td>137</td>
<td>W. Levee of Sac River from North End of Princeton Warehouse to Colusa Bridge</td>
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<tr>
<td>138</td>
<td>E. Levee of Sac River from Parrott-Grant Line to Princeton-Afton Rd</td>
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<tr>
<td>139</td>
<td>W. Levee of Sac River from N. Boundary of LD 2 to North End of Princeton Warehouse</td>
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<tr>
<td>140</td>
<td>W. Levee of Sac River in LD 1 (Mi. 170.5 to Mi. 184.7). Includes mitigation site O&amp;M manual, Yuba County</td>
</tr>
<tr>
<td>141.1</td>
<td>E. Levee of Feather River from Bear River to Natomas CC &amp; S. Levee of Bear River &amp; Both Levees of Yankee Slough. Parts 1 and 2</td>
</tr>
<tr>
<td>141.2</td>
<td>E. Levee of Feather River from Bear River to Natomas CC &amp; S. Levee of Bear River &amp; Both Levees of Yankee Slough. Parts 1 and 2</td>
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<tr>
<td>142</td>
<td>Back Levee of RD 1001</td>
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<td>143</td>
<td>W. Levee of Feather River from North Boundary of RD 823 to E. Levee of Sutter Bypass</td>
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<tr>
<td>144</td>
<td>W. Levee of Feather River from North Boundary of LD 1 to North Boundary of RD 823</td>
</tr>
<tr>
<td>145</td>
<td>E. Levee of Feather River, S. Levee of Yuba River, Both Levees of WP RR Intersecting Channel, W. Levee of South Dry Creek &amp; N. Levee of Bear River</td>
</tr>
<tr>
<td>146</td>
<td>N. Levee of Bear River &amp; S. Levee of South Dry Creek RD 817 &amp; Vicinity of Wheatland</td>
</tr>
<tr>
<td>147</td>
<td>Levee Around the City of Marysville &amp; N. Levee of Yuba River to a Point 1.8 Mi. Upstream from Marysville</td>
</tr>
<tr>
<td></td>
<td>Description</td>
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</tr>
<tr>
<td>148</td>
<td>W. Levee of Feather River from North Boundary of RD 777 to North Boundary of LD 1</td>
</tr>
<tr>
<td>149</td>
<td>S. Levee of Yuba River Maintenance Area No. 8</td>
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<tr>
<td>151</td>
<td>E. Levee Feather River from Honcut Creek to Marysville &amp; S. Levee of Honcut Creek &amp; E. Levee of RD 10</td>
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<tr>
<td>152</td>
<td>W. Levee of Feather River from N. Boundary of RD 777 to Western Canal Intake (Levee of Drainage District No. 1)</td>
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<td>153</td>
<td>Lower Butte Creek Channel Improvement, Colusa, Glenn &amp; Butte Counties</td>
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<td>154</td>
<td>Moulton Weir &amp; Training Levee Sacramento River</td>
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<td>155</td>
<td>Colusa Weir &amp; Training Levee Sacramento River</td>
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<td>156</td>
<td>Tisdale Weir &amp; Bypass</td>
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<td>157</td>
<td>Fremont Weir, Sacramento River</td>
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<td>Pumping Plants No. 1, 2 &amp; 3, Sutter Bypass</td>
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<td>Sutter Butte Canal Headgate</td>
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<td>161</td>
<td>Butte Slough Outfall Gates</td>
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<td>Knights Landing Outfall Gates, Sacramento River</td>
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<tr>
<td>Unit No.</td>
<td>Project Name</td>
</tr>
<tr>
<td>---------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>1</td>
<td>Right Bank Levee of the San Joaquin River &amp; French Camp Slough within RD 404</td>
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<tr>
<td>2</td>
<td>Right Bank Levee of the San Joaquin River &amp; French Camp Slough within RD 17</td>
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<tr>
<td>3</td>
<td>North Levee of Stanislaus River &amp; East Levee of the San Joaquin River within RD 2064, 2075, 2094 and 2096</td>
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<tr>
<td>4</td>
<td>East Levee of San Joaquin River within RD 2031</td>
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<tr>
<td>5</td>
<td>East Levee of the San Joaquin River Within RD No. 2092</td>
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<tr>
<td>6</td>
<td>East Levee of the San Joaquin River in RD Nos. 2063 &amp; 2091</td>
</tr>
<tr>
<td>7</td>
<td>West Levee of San Joaquin River &amp; North Levee of Old River RD Nos. 524 &amp; 544</td>
</tr>
<tr>
<td>8</td>
<td>Right Banks of Old River &amp; Salmon Slough Within RD No. 1 &amp; RD No. 2089</td>
</tr>
<tr>
<td>9</td>
<td>Levees Around RD No. 2062 &amp; San Joaquin County Flood Control District Area No.2</td>
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<td>10</td>
<td>West Levee of Paradise Cut RD No. 2058 &amp; SJ County Flood Control District, Area No.2</td>
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<tr>
<td>11</td>
<td>West Levee of San Joaquin River from Durham Bridge to Paradise Dam Within RD No. 2085 &amp; 2095</td>
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<tr>
<td>12</td>
<td>West Levee of San Joaquin River From Opposite Mouth of Tuolumne River Downstream to Stanislaus County Line Within RD Nos. 2099, 2100, 2101, &amp; 2102</td>
</tr>
<tr>
<td>13</td>
<td>West Levee of the San Joaquin River in RD No. 1602</td>
</tr>
</tbody>
</table>
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,

[Signature]

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.

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.

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

Sincerely,

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

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

Le CUYER
PC#CROSSLEY
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) SPKKC-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
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:

<table>
<thead>
<tr>
<th>No.</th>
<th>Date of Letter</th>
<th>Levee Location</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3 December 1951</td>
<td>1. Back levee of R.D.2068</td>
<td>Completed contract maintained by R.D. No.2068</td>
<td></td>
</tr>
</tbody>
</table>

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

EXHIBIT F
Sheet 3 of 5
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-61-57 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 withCache 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.

EXHIBIT F  
Sheet 4 of 5
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 1956, 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
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
The Sacramento Board
1100 "Q" Street
Sacramento 14, California

Gentlemen:

Reference is made to letter from this office dated 26 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 provisions 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 por-
tions of the easterly and westerly levees of Yolo By-pass that were
completed between the years 1921 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 levees of Yolo By-pass from Minor Slough to Yolo
Gainway. Covers Map Ref. No. 145-146 and 175. and 176.

Unit No. 57A b. Easterly levees of Yolo By-pass from Yolo Gainway to South-
ern Pacific Railroad. Covers Map Ref. No. 147

Unit No. 58A c. Easterly levees of Yolo By-pass from Sacramento By-pass to a
point approximately 2 miles south of present weir. Covers Map Ref. No. 131-140 and 142

Unit No. 59A d. Easterly levees of Yolo By-pass from a point approximately

144 not included. Why not?

Units No. 56A-57A-58A-59A and 60A.
1 mile north of the Yolo-Solano County line to a point approximately 1 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 levees 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,

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

cc: N. K. South
A. W. Barsdale
Engrg.

V. R. Thompson
O. C. E.
Div. Engr.
The Reclamation Board
State of California
1100 "O" Street
Sacramento 14, California

4 DEC 1951

Refer, Recl. Board letter dated 2 April 1951.

The Board accepted Item No. 9 on 18 Dec. 1951 with the
condition that the Federal Gov. complete the enlargement of the levees
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 these levees are not required.

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

1. Wasterly levee of the Yolo Bypass from Freemont Weir to
   Miners Slough. 127, 125, 121, 120, 119, 110, 117, 115

Reach No. 33

2. Northerly levee of Sacramento Bypass. 122

Reach No. 33

3. Southerly levee of Sacramento Bypass. 110

The records of this office show that on 6 June 1951 your Board
accepted the levees 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 levees covered by Items b, and c, above although complete has
not been formally transferred as contemplated by the Project documents.
Accordingly, the levees 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
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 1956, as amended and supplemented. As provided under paragraph 105.10(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,

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

Copy Furnished:
Office, Chief of Engrs.
So.Pac.Div., Engrs.
State Engineer
Engr. Div. (2)
D. de Arrieta
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 1946.

The levee reaches in question are located as follows:

a. Sherman Island levee of Three Mile Slough
   199 (1) State Highway Bridge to Sacramento River.
   200 (2) From the State Highway Bridge, 1800 feet toward the San Joaquin River.
   201 (3) From a point 3900 feet toward the San Joaquin River from the State Highway Bridge.
   202 (4) From a point 10,600 feet toward the San Joaquin River from the State Highway Bridge to the San Joaquin River.

b. Plug across Seven Mile Slough near Three Mile Slough
   203

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

Items 199 to 215

13 DEC 1951

Accepted by the Recl. Board.

Completed by Contract by C. of E.

Cont. by Local Interests 201-202, 210-215

No maint. is required. 204

Not Accepted

No capable of separate maint.
d. Sesterly levees of the Sacramento River.

(1) From a point 23,650 feet, measured along the Sherman Island levees, downstream from Three Mile Slough to a point 21,950 feet downstream from Three Mile Slough.

(2) From a point 14,850 feet, measured along the Sherman Island levees, downstream from Three Mile Slough to a point 7,700 feet downstream from Three Mile Slough.

(3) From a point 6,300 feet, measured along the Sherman Island levees, downstream from Three Mile Slough to a point 8,450 feet downstream from Three Mile Slough.

(4) From a point 5,500 feet, measured along the Sherman Island levees, downstream from Three Mile Slough to a point 700 feet downstream from Three Mile Slough.

(5) From a point 500 feet, measured along the Sherman Island levees, downstream from Three Mile Slough to Three Mile Slough.

(6) Three Mile Slough to Mile 10.58.


(9) Mile 14.5 (Junction Point) to Mile 18.0.

(10) Mile 15.1 to Mile 16.9.


(12) Mile 17.6 to Mile 18.0.

(13) Mile 18.15 to Mile 18.5.

(14) Mile 18.5 to Mile 21.5.


(16) Mile 26.4 to Georgiana Slough.

(17) Mile 26.5 to Mile 27.55.

(18) Mile 27.7 to Mile 28.5.
Easterly levees of the Sacramento River (cont'd)

22. Mile 30.75 to Mile 31.5.
23. Mile 31.8 to Mile 32.2.
24. Mile 32.4 to Mile 33.0.
25. Mile 33.1 to Mile 34.45.
26. Mile 34.65 to Mile 34.95.
27. Mile 35.1 to Mile 35.35.
30. Mile 36.5 to Mile 36.75.
31. Mile 36.85 to Mile 37.15.
32. Mile 37.5 to Mile 37.85.
33. Mile 38.0 to Mile 38.5.
34. Mile 39.5 to Mile 39.15.
36. Mile 40.0 to Mile 40.15.
37. Mile 40.25 to Mile 40.35.
38. Mile 40.5 to Mile 40.8.
40. Mile 41.75 to Mile 42.35.
41. Mile 42.5 to Mile 43.05.
d. Easterly levees of the Sacramento River (cont'd)

246 (42) Mile 43.3 to Mile 45.55

247 (43) Mile 45.55 to Mile 46.25

248 (44) Mile 46.5 to Mile 48.3 x D 115

249 (45) Mile 50.4 to Mile 55.5

250 (46) Mile 55.1 to American River x D 118.1

251 (47) West levee of Sutter Bypass to Mile 87.6

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 94.1

255 (51) Mile 96.6 to Mile 97.4

256 (52) Mile 97.6 to Mile 97.7

257 (53) Mile 97.7 to Mile 97.8

258 (54) Mile 99.9 to Mile 102.5

259 (55) Mile 103.45 to Mile 106.7

260 (56) Mile 106.9 to Mile 108.2

261 (57) Mile 104.2 to Mile 104.7

262 (58) Mile 104.7 to Mile 105.6

263 (59) Mile 110.9 to Mile 111.2

264 (60) Mile 116.4 to Mile 118.3 (South End Tisdale Weir)

265 (61) At Tisdale Weir x 150

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e. Northerly levees of Miner Slough from a point 1,200 feet easterly from the easterly levee of Yolo Bypass to a point 4,400 feet easterly from the easterly levee of Yolo Bypass.
f. Westerly levee of Sutter Slough.
   (1) Mile 26.5 to Mile 26.7.
   (2) Mile 27.05 to Mile 27.2.
   (3) Mile 27.3 to Elkhorn Slough.

h. Westerly levee of Elkhorn Slough.
   (1) Sutter Slough to Station "A" 431+00.
   (2) Station "A" 429+50 to Station "A" 405+00.
   (3) Station "A" 403+60 to Station "A" 344+75.
   (4) Station "A" 340+75 to Station "A" 326+00.
   (5) Station "A" 314+50 to Station "A" 304+50.

i. Westerly levee of the Sacramento River.
   (1) Mile 119.2 to Mile 119.7.
   (2) Mile 131.4 to Mile 131.8.
   (3) Mile 153.1 to Mile 155.3.
   (4) Mile 154.0 (Meridian Bridge) to Mile 154.3.
   (5) Mile 154.3 to Mile 140.0.
   (6) Mile 140.6 to Mile 141.8.
   (7) Mile 141.3 to Mile 142.0.
   (8) Mile 142.0 to Mile 142.8.
   (9) Mile 142.3 to Mile 142.7 (Union Oil Co. Wharf).

j. Northerly levee of Georgiana Slough from the S.P.R.R. spillstream 22,500 feet.

k. Northerly levee of the American River and the back levee of Reclamation District No. 1000 from Jibboom Street Bridge to El Camino Avenue.
The Reclamation Board

1. Northerly levees of Natoma Cut.

(1) From Sacramento River easterly to a point 1,550 feet easterly from the Garden Highway Bridge.

(2) From a point 2,550 feet easterly from the Garden Highway Bridge to a point 5,250 feet easterly from the Garden Highway Bridge.

1. Back levees of Reclamation District No. 2068 along the S.M.R.R. from the County Road northeasterly 7,200 feet to high ground.

m. Southerly levee of North Dry Creek near Wheatland from high ground to the W.P.R.R. Interceptor.

n. Easterly levee of the W.P.R.R. Interceptor from North Dry Creek southerly to Bear River.

o. Northerly levee of Bear River from the W.P.R.R. Interceptor easterly to South Dry Creek.

p. Northerly levee of South Dry Creek near Wheatland from Bear River easterly to high ground, including the Singh saddle closure levees.

q. Southerly levee of Bear River from the W.P.R.R. easterly to a point 5,400 feet easterly from Carlin Bridge.

r. Southerly levee of South Dry Creek near Wheatland from Bear River easterly 1.86 miles.

s. Northerly levee of Bear River from South Dry Creek easterly to a point 4,000 feet easterly from Carlin Bridge.

The records of this office show that your Board has accepted the levees and/or works covered by Items d_16 to d_18, inclusive, d_23, inclusive, d_25 to d_28, inclusive, d_50, d_52, d_54, d_57, d_59, d_61, h_3, h_5, h_6, h_7, h_8, l, m_1, m_2, n_1, o_1, f_1, g_1, h_1, h_2, h_4, h_6, h_8, i, j, k, l_1, inclusive, 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_1 to c_1, inclusive, d_1 to d_15, inclusive, d_17, to d_27, inclusive, d_29 to d_49, inclusive, d_41, d_53, d_55, d_68, d_69, e_1, f_1, g_1, h_1, h_2, h_4, h_6, h_8 and j_1 to l_1, inclusive, above, although complete has not been formally transferred as contemplated by the Project documents.
SPEKA 624.3(Sac.Div.F.C.Fs)
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 5 of the Act of Congress approved 22 June 1936, as amended and supplemented. As provided under paragraph 200.10(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 Engn.
State Engineer
Engr., Div. (2)
C. de Arriesta

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Date of Letter</th>
<th>Levee Location</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1 Dec.1951</td>
<td>N. and S. Training* Levees Moulton Weir*</td>
<td>Maintained by State</td>
</tr>
<tr>
<td>1</td>
<td>Do</td>
<td>N. and S. Training* Levees Colusa Weir*</td>
<td>Maintained by State</td>
</tr>
<tr>
<td>2</td>
<td>3 Dec.1951</td>
<td>W. Levee Sacramento River, Mile 177.5 Mile 174.1</td>
<td>Maintained as Maintenance Area No. 2</td>
</tr>
<tr>
<td>3</td>
<td>Do</td>
<td>N.E.S. Levees Sacramento By-pass*</td>
<td>Maintained by State. Waterward slopes on 4 to 1 not required.</td>
</tr>
<tr>
<td>4</td>
<td>6 Dec.1951</td>
<td>Back Levee Egebert District*</td>
<td>Maintained by R. D. No. 536</td>
</tr>
<tr>
<td>4</td>
<td>6 Dec.1951</td>
<td>W. Levee Yolo By-pass Lindsey* Slough to Watson Hollow Drain*</td>
<td>Maintained by R. D. No. 536</td>
</tr>
<tr>
<td>4</td>
<td>Do</td>
<td>N. Levee Watson Hollow Drain*</td>
<td>Do</td>
</tr>
<tr>
<td>5</td>
<td>6 Dec.1951</td>
<td>W. Levee Sacramento River Mile 59.0 to Lake Washington Barge Canal</td>
<td>Maintained by R. D. No. 900</td>
</tr>
<tr>
<td>5</td>
<td>Do</td>
<td>W. Levee Sacramento Riv. Mile 50.8 to 50.5</td>
<td>Bank protection contract. Maintained by R. D. No. 765</td>
</tr>
<tr>
<td>No.</td>
<td>Date of Letter</td>
<td>Levee Location</td>
<td>Remarks</td>
</tr>
<tr>
<td>-----</td>
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<td>---------</td>
</tr>
<tr>
<td>6</td>
<td>6 Dec, 1951</td>
<td>Levees of Wadsworth Canal*&lt;br&gt;South levees of E. and W. Intercepting Canals.</td>
<td>Maintained by State. Waterward slopes on 4 to 1 not required.</td>
</tr>
<tr>
<td>8</td>
<td>8 Dec, 1951</td>
<td>W. levee Sacramento River&lt;br&gt;Mile 163.8 to Mile 143.5 except 320 ft. at Colusa Warehouse &amp; Mile 146.1 to Mile 146.4.</td>
<td>Maintained as Maintenance Area No. 1.</td>
</tr>
<tr>
<td>8</td>
<td>Do</td>
<td>E. levee Sacramento River,&lt;br&gt;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.</td>
<td>Maintained by State Separate completed contracts.</td>
</tr>
<tr>
<td>8</td>
<td>Do</td>
<td>E. levee Sacramento River&lt;br&gt;Mile 138.2 to Mile 137.9; Mile 136.9 to Mile 133.6; 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.</td>
<td>Maintained by R.D. No. 70, Completed contracts.</td>
</tr>
<tr>
<td>8</td>
<td>Do</td>
<td>West levee, Sutter By-pass*</td>
<td>Maintained by R.D. Nos. 70, 1660, 1500. Condition upon completion of remaining part to standard section.</td>
</tr>
<tr>
<td>8</td>
<td>Do</td>
<td>North levee Tisdale By-pass?</td>
<td>Maintained by R.D. No. 1660. Waterward slope of 4 to 1 not required.</td>
</tr>
<tr>
<td>8</td>
<td>Do</td>
<td>South levee Tisdale By-pass?</td>
<td>Maintained by R.D. No. 1500. Waterward slope of 4 to 1 not required.</td>
</tr>
<tr>
<td>8</td>
<td>Do</td>
<td>East levee Sutter By-pass*.</td>
<td>Maintained by State.</td>
</tr>
<tr>
<td>9</td>
<td>Do</td>
<td>W. levee Sacramento River&lt;br&gt;Mile 35.15 to 35.86.</td>
<td>Maintained by R.D. No. 150 (Merritt Island), Completed contract bank protection.</td>
</tr>
<tr>
<td>No.</td>
<td>Date of Letter</td>
<td>Levee Location</td>
<td>Remarks</td>
</tr>
<tr>
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</tr>
<tr>
<td>11</td>
<td>Do</td>
<td>N. levee American River from Jibboom St. Bridge to Sacramento River.</td>
<td>Maintained by R.D. No. 1000.</td>
</tr>
<tr>
<td>11</td>
<td>Do</td>
<td>E. Levee Sacramento River Mile 158.5 to Mile 164.4.</td>
<td>Maintained partly by State; remainder by Levee District No. 3, Glenn County, Completed Contract.</td>
</tr>
<tr>
<td>11</td>
<td>Do</td>
<td>W. Levee Sacramento River Mile 61.8 to Mile 62.65.</td>
<td>Maintained by Maintenance Area No. 4, Completed contract.</td>
</tr>
<tr>
<td>11</td>
<td>Do</td>
<td>Fremont Weir.</td>
<td>Maintained by State.</td>
</tr>
<tr>
<td>11</td>
<td>Do</td>
<td>W. Levee Sacramento River Mile 87.6 to Mile 88.4; Mile 89.2 to Sycamore Slough</td>
<td>Maintained by R.D. No. 730, Completed contracts.</td>
</tr>
<tr>
<td>11</td>
<td>Do</td>
<td>W. Levee Sacramento River Mile 100.6 to Mile 101.4</td>
<td>Maintained by Sacramento River West Side Levee District, Completed contract.</td>
</tr>
<tr>
<td>11</td>
<td>Do</td>
<td>E. Levee Feather River from mouth to Mile 26.5, except from 2.37 miles of Nicolaus Bridge to Bear River</td>
<td>Maintained by R.D. Nos. 1001 and 784.</td>
</tr>
<tr>
<td>No.</td>
<td>Date of Letter</td>
<td>Levee Location</td>
<td>Remarks</td>
</tr>
<tr>
<td>-----</td>
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<td>-------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>11</td>
<td>8 Dec. 1951</td>
<td>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.</td>
<td>Maintained by Marysville Levee Commission.</td>
</tr>
<tr>
<td>11</td>
<td>Do</td>
<td>N. Levee Yuba River from back levee of Marysville upstream 1.8 miles</td>
<td>Maintained by Marysville Levee Commission.</td>
</tr>
<tr>
<td>11</td>
<td>Do</td>
<td>N. Levee Bear River from Feather River to W.P.R.R. Interceptor</td>
<td>Maintained by R.D. No. 784.</td>
</tr>
<tr>
<td>11</td>
<td>Do</td>
<td>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.</td>
<td>Maintained by American River Flood Control District.</td>
</tr>
<tr>
<td>11</td>
<td>Do</td>
<td>W. Levee Yolo By-pass from Sacramento River to Putah Creek except from N.line Cache Cr. Settling Basin to S.N.R.R. &amp; from old Willow Slough pipes south 1.48 mi.*</td>
<td>Maintained by State and R. D. #2035.</td>
</tr>
<tr>
<td>11</td>
<td>Do</td>
<td>N.&amp;S. levees of Putah Creek</td>
<td>Maintained by State.</td>
</tr>
<tr>
<td>No.</td>
<td>Letter</td>
<td>Levee Location</td>
<td>Remarks</td>
</tr>
<tr>
<td>-----</td>
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<td>----------------</td>
<td>---------</td>
</tr>
<tr>
<td>12</td>
<td>8 Dec, 1951</td>
<td>Five reaches of Ryer Island levee along Miner Slough as follows:</td>
<td>Maintained by R.D. No. 501. All are completed separate contracts.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>a. Junction Miner and Sutter Sloughs westerly 5000 feet.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>b. From State Highway Bridge West, 3035 ft.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>c. Spec. 1473, Sta. 53+00 to 64+00 about one mi. No. of Ryde Road, Mile 24.4 to 24.6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>d. Spec. 1473, Sta. 0+00 to 12+00 being 600 ft. each side of Ryde Road, Mile 30.4 to 30.6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>

*No waterway banks contiguous to these levees.*
The Reclamation Board
State of California
1100 "O" Street
Sacramento, California

Gentlemen:

Reference is made to a letter from this office dated 13 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 drainage facilities required along the left bank of Cache Slough at Damau Slough Closure, approximately 8 miles northerly of Rio Vista, Calif., have been completed as provided under Specification No. 1547 and Drawing No. 30-4-2054. 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 1926, as amended and supplemented. As provided under Paragraph 206.10 (10) of these regulations, a maintenance manual covering this unit of work is in process of preparation and will be furnished your Board upon completion.

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

Yours sincerely,

[Signature]

Copy furnished:
Office, Chief of Eng.
State Engineer
cc: Engr.Div.
Seco. Field Office
C. delRrieta
The Reclamation Board
State of California
1100 "O" Street
Sacramento, California

Gentlemen:

Reference is made to a letter from this office dated 14 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 enlarge-
ment and drainage facilities required along the left bank of Cache
Slough at Lookout Slough Closure, approximately 3 miles northward of Rio
Vista, Calif. have been completed as provided under Specification No. 1547
and Drawing No. 50-4-2054. This work is of such nature that a joint
inspection is not necessary.

The work referred to above, now completed, meets with the require-
ments 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
206.10 (10) of these regulations, a maintenance manual covering this
unit of work is in process of preparation and will be furnished your
Board upon completion.

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

FOR THE DISTRICT ENGINEER,

Sincerely yours,

Copy furnished:
Office, Chief of Eng.
State Engineer
cc: Engr.Div.,
Sacramento Field Office
C. de Arrieta

R. E. Hahn, Maj., U.S. Army
Lt. Colonel, Corps of Engineers
Executive Officer

unit 344
District Engineer
Sacramento District
U. S. Corps of Engineers
P. O. Box 1739
Sacramento, California

May 12, 1953

Dear Sir:

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

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.

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.


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

DMC: cmh
CC: State Engineer
The Reclamation Board  
State of California  
1215 5th Street  
Sacramento 1b, 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. 494: Easternly 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-RE-107-eng-36-36 and Drawing No. 50-4-3079, and now meets the requirements of the Sacramento River Flood Control Project, therefore said Levee Unit No. 494, 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, included herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented by the current issue of the Standard Operation and Maintenance Manual for the Sacramento River Flood Control Project. As provided under Paragraph 208.10 (10) of these regulations, a supplement to the Standard Operation and Maintenance Manual covering this unit of work is in process of preparation and will be furnished to you upon completion.
A copy of this letter is being transmitted to the Department of Water Resources.

Sincerely yours,

A. E. McCOLLAM
Colonel, CE
District Engineer
The Reclamation Board  
State of California  
1215 "O" 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 1955, 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-G1950-61-67 and Drawing No. 50-6-3669, 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 Buck 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, included herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented by
SPRMD-C
The Reclamation Board

18 SEP 1961

the current issue of the Standard Operation and Maintenance Manual for the Sacramento River Flood Control Project. As provided under Paragraph 203.10(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. H. TURNER
Colonel, CE
District Engineer

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

cc: Engr Divn - Lev & Chan
Engr Divn - Prog Dev Br
Fin & Acct Br
Northern Area Office
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.
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 0.66 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,

[Signature]

ROBERT W. JAMES
General Manager and Chief Counsel

HSH:els
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.

The work was completed on 21 November 1967, in accordance with Specification No. 3418, Contract No. DAVW05-67-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).

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.

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.

Sincerely yours,

Crawford Young
Colonel, CE
District Engineer

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

Copy furnished:
Dept Water Resources
O.C.E. & SPD

Valley
F&A(Cordano)
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 2996. 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 DACHUS-96-C-0095, Drawing Number 50-4-5762.

The work was performed under the general authority of the Flood Control Act of December 22, 1944 (Public Law 334, 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 watershed banks contiguous thereto, is transferred as of December 12, 1986, to the State of California for operation and maintenance.

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

Sincerely,

[Signature]

Dennis

McCoy

Scholl

Wang #6017a
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.
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,

Laurence R. Sadoff  
Colonel, Corps of Engineers  
District Engineer

Copies Furnished:
Department of Water Resources, ATTN: G. Snow, 3201 S Street, Sacramento, California 95816-7017
Department of Water Resources, ATTN: G. Qualley, 1416 Ninth Street, Sacramento, California 95814
Cdr, CESP D, ATTN: CESP-D-CO-0
Cdr, USACE, ATTN: DAEN-CEC-W-OM

cc:
Operations Br
Nav and Fld Control Unit
Central Valley Sec
Prog Dev
F&A Br
Valley Res Ofc
Flood Protection and Navigation Section

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

Sincerely,

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

Enclosure
Flood Protection and Navigation Section

cc: CESPK-CO-E (Jones)
EXHIBIT G

SUGGESTED SEMI-ANNUAL REPORT FORM
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 the protective works is indicated by the inspector's report, copies of which are inclosed, and may be summarized as follows:

(Superintendent's summary of conditions)

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

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

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

<table>
<thead>
<tr>
<th>Dates</th>
<th>Maximum Elevation</th>
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EXHIBIT G
Sheet 1 of 2
Comments on the behavior of the protective works during such high water periods are as follows:

(Superintendent's log of flood observations)

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

(See Maintenance Manual ______________.)

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

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

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:

1. Inspection
2. Maintenance
3. Flood fighting operations

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<thead>
<tr>
<th></th>
<th>Labor</th>
<th>Material</th>
<th>Equipment</th>
<th>Overhead</th>
<th>Total</th>
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TOTAL

Respectfully submitted,

Superintendent of Works