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Book K

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

UNIT NO. 152
WEST LEVEE OF FEATHER RIVER FROM NORTH BOUNDARY OF RECLAMATION DISTRICT NO. 777 TO THE WESTERN CANAL INTAKE

(LEVEE OF DRAINAGE DISTRICT NO. 1)

SACRAMENTO DISTRICT

CORPS OF ENGINEERS

U. S. ARMY

SACRAMENTO, CALIFORNIA

54

CORPS OF ENGINEERS
U. S. ARMY

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(LEVEE OF DRAINAGE DISTRICT NO. 1)

SACRAMENTO DISTRICT
CORPS OF ENGINEERS
U. S. ARMY
MARCH 1957

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

UNIT NO. 152

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FROM
NORTH BOUNDARY OF RECLAMATION DISTRICT NO. 777
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(LEVEE OF DRAINAGE DISTRICT NO. 1)

LOCATION	ADDITION OR REVISION	DATE
1-04 c.	Add Contract No. 56-144	Nov 1963
1-04 d.	Add Contract No. 57-47	Nov 1963
Exhibit B	Add Drawing No. 4-4-384	Nov 1963
Exhibit B	Add Drawing No. 4-4-424	Nov 1963
1-04 e.	Add Contract No. 64-30	Oct 1964
Exhibit B	Add Drawing No. 4-4-534	Oct 1964
Exhibit F	Add letter of acceptance dated 8 Nov 1963	Oct 1964
1-04 e.	Add Contract No. 66-28	Jul 1966
Exhibit B	Add Drawing No. 50-4-4118	Jul 1966
Exhibit F	Add letter of acceptance dated 11 Jan 1966	Jul 1966
1-04 e.	Changed to 1-04 f. (July 1966)	Feb 1971
1-04 g.	Add Contract No. 70-0088	Feb 1971
Exhibit B	Add Drawing No. 50-4-4377	Feb 1971
Exhibit F	Add letter of acceptance dated 27 Oct 1970	Feb 1971
1-04	Add subparagraph h.	Sep 1990
Exhibit B	Add Drawing No. 50-4-5798	Sep 1990
Exhibit F	Add letter of transfer dated 22 Nov 1989	Sep 1990
Exhibit F	Add copy of letter of transfer dated 18 Mar 1948	28 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 7 Apr 1948	28 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 18 Dec 1951	28 Dec 2010
Exhibit F	Add copy of letter of transfer dated 31 Jan 1955	28 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 7 Feb 1955	28 Dec 2010
Exhibit F	Add copy of letter of transfer dated 17 Oct 1963	28 Dec 2010
Exhibit F	Add copy of correspondence dated 5 Mar 1990	28 Dec 2010
Exhibit F	Add copy of letter of transfer dated 29 Nov 1965	31 Jan 2010
Exhibit F	Add copy of letter of transfer dated 20 Oct 1970	31 Jan 2010
Exhibit F	Add copy of letter of acceptance dated 27 Mar 1990	8 Mar 2011

LIST OF ADDITIONS
TO SUPPLEMENT MANUALS
SACRAMENTO RIVER FLOOD CONTROL PROJECT

Unit Number
102
104
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Incl 1

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EXHIBITS

Exhibit	Description	
A	Flood Control Regulations . . . . . (Contained in Standard Manual)	Unattached
A-1	Location Map	1 Sheet
B	"As Constructed" Drawings	Unattached
C	Plates of Suggested Flood Fighting Methods (Contained in Standard Manual)	Unattached
D	Check List No. 1 - Levee Inspection Report (Contained in Standard Manual)	Unattached
E	Check Lists - Levees, Channel and Structures	Sheets 1 thru 8
F	Acceptance by The State Reclamation Board	Sheets 1 thru 3
G	Suggested Semi-Annual Report Form . .	Sheets 1 & 2

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

UNIT NO. 152

WEST LEVEE OF FEATHER RIVER
FROM
NORTH BOUNDARY OF RECLAMATION DISTRICT NO. 777
TO
THE WESTERN CANAL INTAKE
(LEVEE OF DRAINAGE DISTRICT NO. 1)

SECTION I

INTRODUCTION

1-01. Location. The improvement covered by this manual is that part of the Sacramento River Flood Control Project which includes the west levee of the Feather River from the north boundary of Reclamation District No. 777 (also north boundary of Sutter County) to the Western Canal Intake, all within Drainage District No. 1, Butte County, California. This manual supersedes Supplement Manual No. 13 entitled: "West Levee Feather River Opposite Rio Bonito Station Upstream 3.5 Miles". The location of the completed unit covered by this manual is shown on Exhibit A-1.

1-02. Protection Provided. The levee of this unit provides direct protection to adjacent agricultural lands and the towns of Gridley and Live Oak against flood waters of the Feather River. The grade of the adopted flood plane profile along the main channel of the Feather River varies from elevation 149.0 at the upper end of 92.0 at the north boundary of Reclamation District No. 777 (elevations are referred to U.S. Corps of Engineers datum). This reach of the Feather River has a project design capacity of 210,000 cubic feet per second, and the levee provides for a free board of at least three feet above the adopted flood plane profile within this unit.

1-03. Project Works. The flood control improvement covered by this manual is a part of the Sacramento River Flood Control Project authorized by the Flood Control Act of 1917, as modified by the Acts of 1928, 1937 and 1941, and consists of the west levee of the Feather River from the north boundary of Reclamation District No. 777 upstream to the Western Canal Intake. As shown on Drawings No. 4-4-349 of Exhibit B, the west levee of the Feather River extends from Station 0=00 (John Cox Ranch) to Station 538+13 (opposite Rio Bonito Station); also continuing upstream from Station 117+00 to 0+00 and 107+00 to Station 184+00 at the Western Canal Intake.

1-04. Construction Data and Contractor. Construction necessary to bring locally built levees of this unit to project standards was accomplished under the following contracts:

a. Construction of the west levee of the Feather River from opposite Rio Bonito Station upstream to the Western Canal Intake was accomplished by Excavators, Inc., Contractors, under Contract No. W-04-167-eng-1240. Work on this contract was started on 4 April 1947 and completed on 19 December 1947. Maintenance and operation of the Sutter-Butte Canal Headgates, which lies within this reach of levee, will be covered under another manual, Unit No. 160.

b. Reconstruction of the west levee of the Feather River from Cox Ranch upstream to opposite Rio Bonito Station was accomplished by H. Earl Parker, Inc., under Contract No. DA-04-167-eng-1146 during the period from 8 March 1954 to 23 December 1954.

* [1-04 continued on 2a] →

1-05. Flood Flows. For purposes of this manual, the term "flood" or "high water period" shall refer to flows when the water surface in the Feather River reaches of exceeds the reading of 95.0 on the Department of Water Resources continuous water stage recorder and staff gage located on the east side (left bank) of the Feather River on the downstream side of the abutment of the bridge on the Gridley-Oroville Road two and one-half miles east of Grdiley.

1-06. Assurances Provided by Local Interests . Assurance of cooperation by local interests is provided by State legislation as contained in Chapter 3, Part 2, Division 5 of the State Water Code (see paragraph 2-02a of the Standard Manual).

1-07. Acceptance by The State Reclamation Board. Responsibility for the maintenance and operation of this unit was officially accepted by The Reclamation Board of the State of California on 18 December 1951 and 15 June 1955, as sh wn on the attached letters of acceptance, EXHIBIT F.

1-08. Superintendant. The name and address of the Superintendent appointed by local interests to be responsible for the continuous inspection, operation and maintenance of the project works, shall be furnished the District Engineer, and in csse of any change of Superintendent, the District Engineer shall be so notified.

c. Emergency levee repairs, right bank Feather River upstream and downstream from Gridley Bridge was accomplished under Contract No. DA-04-167-CIVENG-56-144 by Richter Bros. during the period from 23 February 1956 to 2 April 1956, Specification No. 2059, Drawing No. 4-4-384.

(f) d. Emergency bank protection, right bank Feather River, 1.93 miles upstream from Gridley Bridge was accomplished under Contract No. DA-04-167-CIVENG-57-47 by Claude L. Younds during the period from 24 September 1956 to 19 October 1956, Specification No. 2228, Drawing No. 4-4-424.

e. Levee enlargement, west levee of the Feather River was accomplished under Contract No. DA-04-167-CIVENG-64-30 by J. P. Breen, Sr., contractor during the period from 12 August 1963 to 5 October 1963, Specification No. 2949, Drawing No. 4-4-534 in 1 sheet.

f. Bank protection on the right bank of the Feather River was accomplished under Contract No. DA-04-167-CIVENG-66-28 by A. Teichert & Son, Inc. during the period from 19 August 1965 to 10 December 1965, Specification No. 3283, Drawing No. 50-4-4118 (Contract No. 14).

g. Bank protection at one location on the right bank of the Feather River at levee mile 4.25 was accomplished under Contract No. DA-05-70-C-0088 by H. Earl Parker, Inc. during the period from 19 May 1970 to 24 September 1970. Specification No. 3426, Drawing No. 50-4-4377.

h. Bank protection on the right bank of the Feather River at Site Mile 51.1 (a portion of Contract 43) was accomplished under Contract No. DACW05-88-B-0055. Specification No. 8367, Drawing No. 50-4-5798.

SECTION II

FEATURES OF THE PROJECT SUBJECT TO FLOOD CONTROL REGULATIONS

2-01 Levee.

a. Description. The levee for this unit is located as described in paragraph 1-03 and extends along the crown for a distance of about 15.00 miles. The levee has been constructed with slopes of 1 on 3 on the reverside and 1 on 2 on the landside with a crown width of 20 feet. Construction also included a gravel road surfacing 12 feet wide on top of the levee with turnouts at about 1000 feet intervals. The necessary drainage structures, road approaches and appurtenances were also included in the work. For more complete detail in construction of above mentioned levee, refer to the "As Constructed" drawings of Exhibit B.

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

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

2-02. Drainage and Irrigation Structures.

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

See Drawings of Exhibit B for other details

Location Station	Size and Kind of pipe	Gate Model No.	Other Structure Description	Invert Elev.
1+90	2-60" C.M.P.	101	Concr. headwalls L.S. and R.S. 78" C.M.P.	87.0
			Standpipe R.S.	87.0
12+00	24" C.M.P.	102	Concr. headwall L.S.	94.0
19+00	24" C.M.P.	102	Concr. headwall L.S.	92.5
19+30	24" C.M.P.	102	Concr. headwall L.S.	92.0
28+00	24" C.M.P.	101	Concr. spillbox L.S.	86.3
44+50	24" C.M.P.	102	Concr. headwall L.S.	95.5
48+00	24" C.M.P.	102	Concr. headwall L.S.	93.5
52+50	24" C.M.P.	101	36" standpipe R.S.	76.0
56+90	24" C.M.P.	101	36" standpipe R.S.	80.0
69+00	24" C.M.P.	102	Concr. headwall L.S.	- -
126+18	8" C.M.P.	-	1-1/2" air vent L.S.	103.0
127+40	6" C.I.	-	Pipe Encased in concrete	92.5
128+00	6" C.I.	-	Pipe Encased in concrete	92.5
127+00	4" C.I.	-	Pipe Encased in concrete	93.0

Location Station	Size and Kind of Pipe	Date Model No.	Other Structure Description	Invert Elev.
128+40	3/4" Galv.	-	Water line	103.0
191+13	24" C.M.P.	102	Concr. headwalls both ends 48" concrete rise R.S.	101.0
195+80	2-60 " C.M.P.	102	Concr. headwalls L.S. and R.S.	86.5
239+50	12" Steel	101	Pipe encased in concr. 24" concrete standpipe R.S.	101.1
252+10	22" Steel	101	36" concr. standpipe R.S. pipe encased in concrete	99.5
260+70	12" Steel	101	Pipe encased in concrete 24" concrete standpipe R.S.	100.0
267+20	12" Steel	101	Pipe encased in concrete 24" conc. standpipe R.S.	100.0
413+60	16" Steel	101	Pipe encased in concrete 24" concr. standpipe R.S.	110.0
437+30	10" Steel	101	Pipe encased in concrete 24" concr. standpipe R.S.	111.0
471+26	24" C.M.P.	101	36" Concr. Standpipe R.S.	111.8
476+60	24" C.M.P.	102	Concr. headwalls L.S. & R.S.	112.0
483+60	24" C.M.P.	102	48" Concr. Standpipe L.S. 36" C.M.P. Riser R.S.	112.0
490+50	24" C.M.P.	101	36" C.M.P. Riser R.S.	109.0
490+70	24" C.M.P.	102	Concr. headwalls both ends	111.7
494+50	24" C.M.P.	102	Concr. headwalls both ends	110.5
496+20	24" C.M.P.	102	Concr. headwalls both ends	111.5
502+20	24" C.M.P.	101	Pipe encased in concr. 36" C.M.P. Riser R.S.	101.5
508+40	24" C.M.P.	102	Concr. headwall R.S.	113.0
508+70	24" C.M.P.	101	26" C.M.P. Riser R.S.	111.0
517+40	24" C.M.P.	101	26" C.M.P. Riser R.S. Pipe encased in concr.	115.0
517+60	24" C.M.P.	102	Concr. headwall L.S. & R.S.	116.0
20+20	24" C.M.P.	100	Concr. saddle and apron	124.0
40+75	24" C.M.P.	101	Concr. saddle and apron	122.7
47+00	-	-	Sutter-Butte Canal Headgates	-
	-	-	See Manual 160	-
170+00	-	-	Western Canal Intake	-

Notes on gates and abbreviations:

(1) Gate MOdel No. 100 is a Calco automatic drainage gate placed on the outlet end of pipes. This cast iron flapgate closes against face pressure and opens automatically to permit outflow when pressure is released.

(2) Gate Model No. 101 is a Calco slide gate which operates by hand screw on a steel frame.

(3) Gate Model No. 102 - same as No. 100 except flapgate is made of cast steel.

(4) C.M.P. indicates corrugated metal pipe.

(5) C.I. indicates cast iron.

(6) L.S. indicates landside.

(7) R.S. indicates riverside.

(8) Concr. indicates concrete.

Note: Above pipes have been furnished with cut-off walls, except at Station s 128+40, C/L 50+00 and 170+00.

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

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

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

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

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

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

2-03. Channel.

a. Description. The low water channel of the Feather River within this unit meanders along a comparatively wide overflow area with a levee along the west side (right ban) from the Western Canal Intake to the north boundary of Reclamation District No. 777 (near the mouth of Honcut Creek). The channel within this reach has a project design capacity of about 210,000 cfs and dredge tailings piles are located within the flood plane in this reach.

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

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

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

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

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

It shall be the duty of the Superintendent to maintain a patrol of the project works during all periods of flood flow in excess of a reading of 95.0 on the gage at Gridley Bridge as indicated in paragraph 1-05 of this manual. The Superintendent shall dispatch a message by the most suitable means to the District Engineer whenever the water surface at Gridley Bridge reaches the gage reading indicated above. The Superintendent shall cause readings to be taken at intervals of two to four hours during the period when the water surface is above the flood-flow stage and record the time of the observations. One copy of the readings shall be forwarded to the District Engineer immediately following the flood, and a second copy transmitted as an inclosure to the semi-annual report in compliance with paragraph 3-05 of the Standard Manual.

2-04. Miscellaneous Facilities.

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

(1) Bridge.

Gridley Bridge at approximate Station 141+00.

(2) Utility Relocations. None.

(3) Hydrographic Facilities.

Department of Water Resources station on left bank of Feather River on abutment of bridge on Gridley - Oroville Road.

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

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

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

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

SECTION III

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

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

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

EXHIBIT A

FLOOD CONTROL REGULATIONS
(See Standard Manual)

EXHIBIT A
Unattached

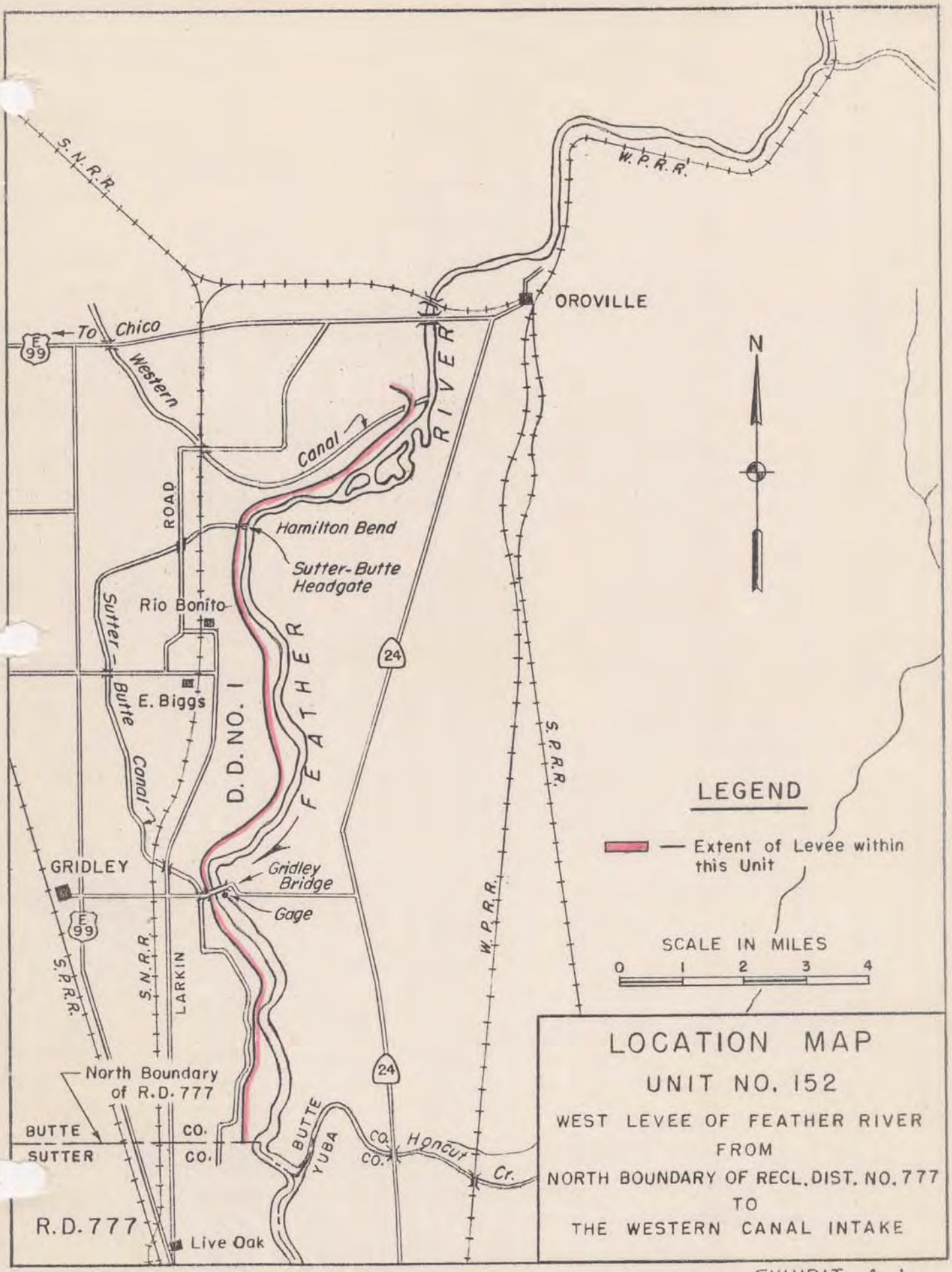
S.N.R.R.
W.P.R.R.
OROVILLE
To Chico
E 99
Western
Canal
RIVER
ROAD
Hamilton Bend
Sutter-Butte Headgate
Rio Bonito
Sutter-Butte Canal
E. Biggs
D.D. NO. 1
FEATHER
24
S.P.R.R.
N
LEGEND
Extent of Levee within this Unit
GRIDLEY
Gridley Bridge
Gage
E 99
S.P.R.R.
S.N.R.R.
LARKIN
W.P.R.R.
SCALE IN MILES
0 1 2 3 4
North Boundary of R.D. 777
BUTTE
SUTTER
CO.
CO.
BUTTE
YUBA
CO.
CO.
Honcut Cr.
R.D. 777
Live Oak
LOCATION MAP
UNIT NO. 152
WEST LEVEE OF FEATHER RIVER
FROM
NORTH BOUNDARY OF RECL. DIST. NO. 777
TO
THE WESTERN CANAL INTAKE

EXHIBIT A-1

EXHIBIT B

"AS CONSTRUCTED"
DRAWINGS

See separate folder for the following drawings:

File No.	Title
4-4-282	West Levee Feather River from Opposite Rio Bonito Station Upstream 3.5 Miles, sheets 1, 2 and 3.
4-4-349	West Levee Feather River - Cox Ranch Upstream to Opposite Rio Bonito Station, sheets 1 to 19, incl.
4-4-357	West Levee Feather River - Cox Ranch Upstream to Opposite Rio Bonito Station, 1 sheet.
4-4-384	Emergency levee repairs, right bank of Feather River, upstream and downstream from Gridley Bridge, in 1 sheet
4-4-424	Emergency bank protection, right bank Feather River, 1.93 miles upstream from Gridley Bridge
4-4-534	Levee Enlargement, West Levee Feather River, Butte County, 1 sheet.
50-4-4118	Bank protection various locations left bank Sacramento and American Rivers, right and left bank Feather River and Elder Creek, in 12 sheets.
50-4-4377	Bank Protection, Various Locations on Bear River and Feather River, Elder and South Dry Creek, in 14 sheets. (Unit No. 18)

EXHIBIT B
Unattached

(OVER)

50-4-5798 Bank protection Contract 43, left bank Feather River, Colusa Basin Drain, Yolo and Sutter by-pass, in 35 sheets.

EXHIBIT C

PLATES OF SUGGESTED FLOOD FIGHTING METHODS
(See Standard Manual)

EXHIBIT C
Unattached

EXHIBIT E

CHECK LIST NO. 1
LEVEE INSPECTION REPORT
(See Standard Manual)

EXHIBIT D
Unattached

EXHIBIT E

CHECK LISTS OF LEVEES,
CHANNEL AND STRUCTURES
(For definition of "flood" or "high water" period,
see paragraph 1-05 of this manual)

CHECK LIST NO. 2

UNIT NO. 152

Inspector's Report Sheet No._____ Inspector _____

Date_____ Superintendent_____

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

INSTRUCTIONS FOR COMPLETING SHEET 2, EXHIBIT E
(To be printed on back of Sheet 2)

Item (a) Indicate levee station of observation, obtained by pacing from nearest reference point, indicate right or left bank.

Item (b) If sufficient settlement of earthwork has taken place to be noticeable by visual observation, indicate amount of settlement in tenths of a foot. If sloughing has caused a change in slope of the embankment sections, determine the new slope. Note areas where erosion or 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 inspectoon.

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

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

CHECK LIST NO. 3

CHANNEL AND RIGHT-OF-WAY

UNIT NO. 152

Inspector's Report Sheet No._____ Inspector_____

Date_____ Superintendent_____

Item	Remarks
(a) Name of channel and location by stations	
(b) Vegetal growth in channel	
(c) Debris and refuse in channel	
(d) New construction within right-of-way	
(e) Extent of aggradation or degradation	
(f) Condition of riprapped section	
(g) Condition of bridges	
(h) Measures taken since last inspection	
(i) Comments	

INSTRUCTIONS FOR COMPLETING SHEET 4, EXHIBIT E
(To be printed on back of Sheet 4)

Item (a) Indicate station of observation obtained by pacing from nearest reference point.

Item (b) Note nature, extent, and size of vegetal growth within the limits of flood flow channel.

Item (c) Note nature and extent of debris and refuse that might cause clogging of the conduits of the irriagtion 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 works that has come to the attention of the inspector and that might affect the functioning of the project.

Item (e) Indicate any change in grade or alignment of the channels, either by deposition or sediment or scour, that is noticeable by visual inspection. Estimate amount and extent.

Item (f) Indicate any change that has taken place in the riprap such as disintegration of the rock, erosion, or movement of the rock. Note the presence of vegetal growth through the riprap.

Item (g) Note any damage or settlement of the footings of the bridges. Indicate condition of wooden structures and if repainting is required. Indicate condition of bridge approaches, headwalls, and other appurtenances.

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

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

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

CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

UNIT NO. 152

Inspector's Report Sheet No. ___ Inspector _____

Date _____ Superintendent _____

(a) Location by Station	(b) Bank	(c) Debris or other obstruction to flow	(d) Damage or settlement of pipe or conduit	(e) Condition of concrete headwall or invert paving	(f) Condition of right-of-way adjacent to structure	(g) Repair Measures Taken Since last Inspection	(h) Comments
1+90	Right						
12+00	"						
19+00	"						
19+30	"						
28+00	"						
44+50	"						
48+00	"						
52+50	"						
56+90	"						
69+00	"						
126+18	"						
127+00	"						
127+40	"						
128+00	"						
191+13	"						
195+80	"						
239+50	"						
252+10	"						
260+70	"						
267+20	"						
413+60	"						
437+30	"						
471+26	"						
128+40	"						

CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

UNIT NO. 152

Inspector's Report Sheet No. _____ Inspector _____

Date _____ Superintendent _____

(a) Location by Station	(b) Bank	(c) Debris or other obstruction to flow	(d) Damage or settlement of pipe or conduit	(e) Condition of concrete headwall or invert paving	(f) Condition of right-of-way adjacent to structure	(g) Repair Measures Taken since last inspection	(h) Comments
476+60	Right						
483+60	"						
490+50	"						
490+70	"						
494+50	"						
496+20	"						
502+20	"						
508+40	"						
508+70	"						
517+40	"						
517+60	"						
C/120+20	"						
C/140+75	"						
C/147+00	"						
170+00	"						

EXHIBIT E
Sheet 7 of 8

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 distrubed. 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

ACCEPTANCE BY
THE STATE RECLAMATION BOARD

C
O
P
Y

THE RECLAMATION BOARD
of the
STATE OF CALIFORNIA
1100 "O" Street
Sacramento 18, California
March 11, 1953

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

Dear Sir:

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

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

Ypurs very truly,
Yours very truly,

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

By /s/ D. M. Carr
D. M. CARR

EXHIBIT F
Sheet 1 of 3

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December 18, 1951

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

No.	Date of Letter	Levee Location	Remarks
--	--	--	--
--	--	--	--
11	8 Dec. 1951	W. Levee Feather River except: 3.31 Mi. North from Nicolaus Bridge; 1,400 ft. in Yuba City; from Sta. 774+80 to Sta. 1188+00 of "Y.C.H.B." Traverse	Maintained by Maintenance Area No. 3, Levee Dist. Nos. 1 & 9 of Sutter Co. Recl. Dist. 777 and State
--	--	--	--

Note: Only items pertaining to Manual No. 152 contained in this copy.

EXHIBIT F
Sheet 2 of 3

C
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THE RECLAMATION BOARD
of the
STATE OF CALIFORNIA
1100 "O" Street
Sacramento 14, California
June 16, 1955

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

Dear Sir:

Reference is made to your letter dated January 31, 1955, your file No. SPKKO-P 824.3 (Sacramento River F.C.P.), concerning the transferring to the jurisdiction of the State of California for operatinn and maintenance a certain section of the Feather River westerly levee from mile 47.3 to mile 57.9.

The Recalmation Board, at its meeting on June 15, 1955, accepted the above levee section, together with its contiguous bank, for operation and maintenance.

Yours very truly,

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

By /s/ Donald D. Lemmon

DONALD D. LEMMON
Assistant Secretary

EXHIBIT F
Sheet 3 of 3

STATE OF CALIFORNIA–RESOURCES AGENCY

GEORGE DEUKMEJIAN, *Governor*

THE RECLAMATION BOARD
1416 Ninth Street, Room 455-6
Sacramento, CA 95814
(916) 445-9454

MAR 2 7 1990

Colonel Jack A. Le Cuyer
District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814-4794

Dear Colonel Le Cuyer:

Reference is made to your letter of November 22, 1989, concerning the transfer of a portion of the Sacramento River Bank Protection Project in Contract 43 to the State of California for operation and maintenance.

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

1. Site Mile 51.1, Right Bank, Feather River.
2. Site Mile 8.5, Left Bank, Colusa Basin Drain
3. Site Mile 54.1, Left Bank, Yolo Bypass
4. Site Mile 64.0, Right Bank, Sutter Bypass

The sites were completed on November 14, 1989. The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-5798, Specification No. 8367, and Contract No. DACW 05-88-C-0063, 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 sites from the District Engineer for operation and maintenance.

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

Sincerely,

RAYMOND E. BARSCH
General Manager

UW 15 123, 129, 132, 152

Copies to VRO
C.D. Nolan

ORIGINAL COPY IN FILES UNDER FEATHER RIVER 01/10

STATE OF CALIFORNIA—RESOURCES AGENCY

GEORGE DEUKMEJIAN, *Governor*

THE RECLAMATION BOARD
1416 Ninth Street, Room 455-6
Sacramento, CA 95814
(916) 445-9454

MAR 05 1990

Colonel Jack A. Le Cuyer
District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol mall
Sacramento, CA 95814-4794

Dear Colonel Le Cuyer:

Feather River Levee Status

The Reclamation Board staff have determined that the levee located upstream of the Thermalito Afterbay river outlet on the right bank overflow area of the Feather River has no flood control benefit and is no longer of project levee status. With your concurrence, this levee as described below will no longer be inspected by the Department of Water Resources nor will applications for permits be required by The Reclamation Board.

The section of levee to be removed from the inspection list is on the right bank of the Feather River, and is approximately two miles in length, extending northeast from the Thermalito Afterbay River Outlet Channel to the Western Canal. The levee location has been indicated on the Biggs-Palermo Quadrangle map (copy enclosed) in Sections 26, 27, 33, and 34, Township 19 North, and Range 3 East, M.D.B.&M.

If you have any questions, please contact Ken Scribner at the above address or telephone (916) 324-3888.

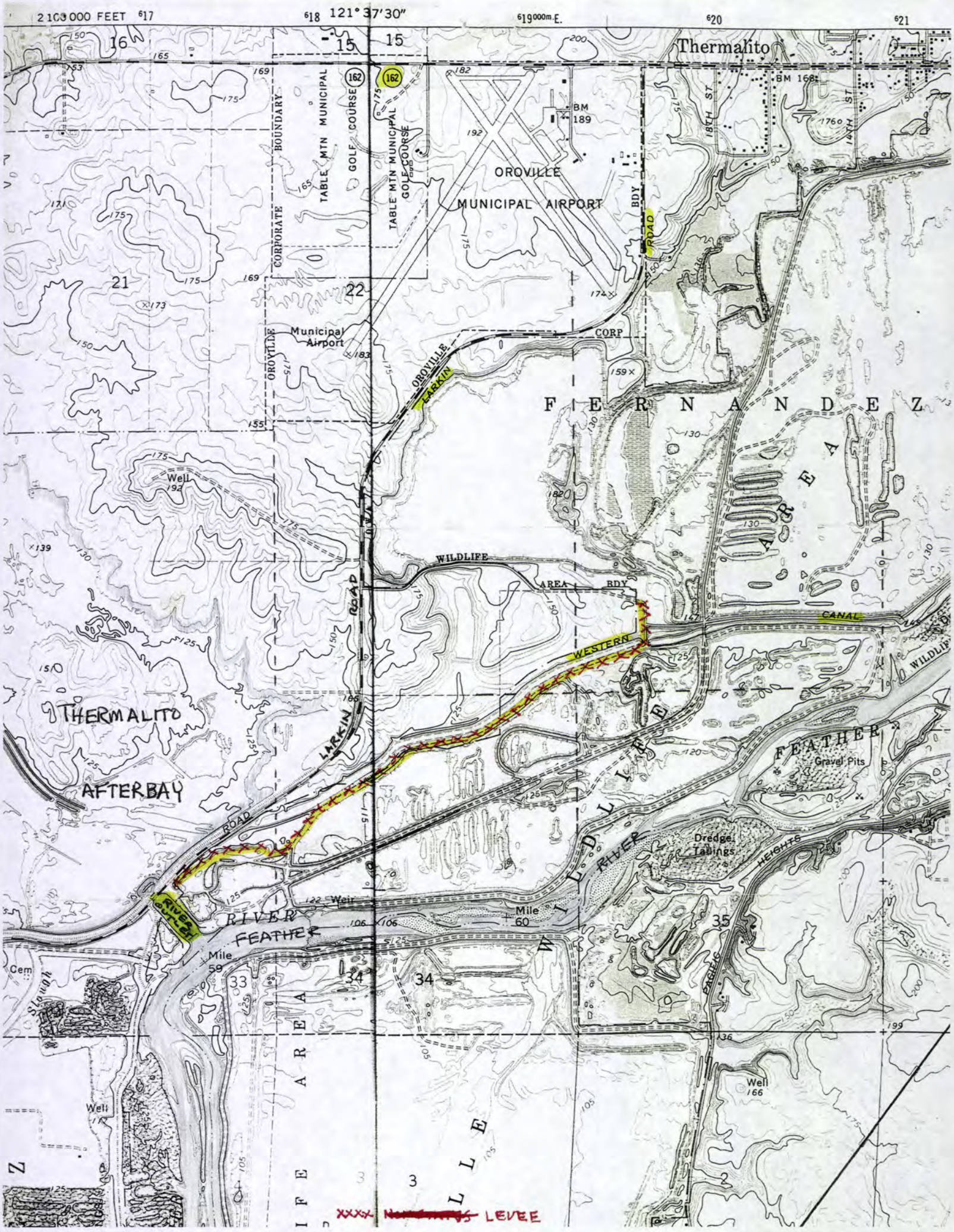
Sincerely

RAYMOND E. BARSCH
General Manager

Enclosure

INFERED REFERENCE TO UNIT 160 SUTTER-BUTTE CANAL ~~HEAD~~ GATE
R. HERSH-BURDICK 01/10

ADD TO O&M UNIT 160 & 152 EXHIBIT F


2 100 000 FEET
121° 37′30″
Thermalito
OROVILLE
MUNICIPAL AIRPORT
TABLE MTN MUNICIPAL GOLF COURSE
CORPORATE BOUNDARY
Municipal Airport
OROVILLE LARKIN ROAD
CORP BDY
F E R N A N D E Z
WILDLIFE AREA BDY
WESTERN CANAL
THERMALITO AFTERBAY
FEATHER RIVER
Gravel Pits
Dredge Tailings
HEIGHTS
Mile 60
Mile 59
Weir
RIVER OUTLET
Slough
Cem
Well
W I L D L I F E A R E A
LEVEE

NOTES FROM BOB KELLEY (HAD MOHSEN'S ~~OLD~~ JOB - RAN ~~CURRENT~~ WHAT IS NOW FLOOD PROTECTION! NAV SECTION)

7 May 90 - Ken Scribner to check on ownership of land behind levee

26 May 1990 - Ken Scribner still hasn't checked on ownership of property behind levee - will do so. I told him if we could get something from the state stating that the property behind the levee is in public ownership (I think it is private) or if private, a statement stating that owner doesn't care if levee is not maintained, then we could agree w/ abandonment. -

21 Feb 91 - Scribner still hasn't checked.

- CK property ownership - w/RE - regulatory doesn't have maps.

We could write back to state & say that we cannot concur until we are convinced that owners don't care if levee is maintained

- NOTE: NO OFFICIAL CORPS RESPONSE INCLUDED
BOB KELLEY - HE DRAFTED LETTER SAYING HE DID NOT CONCUR

SUMMARY - STATE WROTE TO SPK SAYING LEVEE SERVES NO FLOOD CONTROL PURPOSE

- BOB KELLEY ARGUES THAT PROJECT CANNOT BE ABANDONED COMPLETELY / DE-AUTHORIZED W/O APPROVAL FROM LANDOWNERS LIVING BEHIND LEVEE

- Rachael Hersh-Burdick 01/05/10

This is in response to your letter dated March 5, 1990 regarding the need to continue maintaining that portion of the right bank Feather River levee upstream from the Thermalito Afterbay River Outlet.

A comparison of project flood plane elevation from Quad Sheet topography in this reach of levee with adjacent landside ground elevations indicates that there are portions of a small area ~~between~~ bounded by the Afterbay Dam, the Oroville Wildlife Area boundary and the project levee that are below ~~these~~ flood plane. This ~~would~~ ~~[illegible] Eric on 30 depth~~ ~~To Mike.~~ indicates that the levee ~~too~~ still provides ~~some~~ flood protection ~~to a small area~~ portions of the.

We are therefore opposed to abandonment of the levee at this time

In view of the above we ~~recommend~~ cannot concur ~~suggest that you evaluate this situation~~ with your recommendation at this time. If there are other circumstances

Mr. Raymond E. Barsch
General Manager
State of California
The Reclamation Board
1416 Ninth Street, Room 455-6
Sacramento, CA 95814

Dear Mr. Barsch:

This is in response to your letter dated March 5, 1990 regarding ~~the need to~~ your determination ~~continue maintaining~~ that the portion of the right bank Feather River levee upstream from the Thermalito Afterbay Outlet will no longer be maintained because it ~~has~~ provides no flood control benefit.

Our review of this proposal and the map submitted with your letter indicates that the levee ~~may~~ still provides ~~some~~ ~~flood~~ flood protection to a small area ~~lands~~ bounded by the Afterbay Dam, the Oroville Wildlife Area, and the project levee. Accordingly, we cannot concur in your assessment that the levee has no flood control benefit at this time.

Accordingly, we recommend that ~~it is recommended that~~ ~~we would have no objection to the~~ the levee should not be abandoned until such time

~~a. That the limits of the excavation shall not be closer than 100' from the toe of the~~

that the owners of the property being protected ~~agree by~~ agree or that the value of the property being protected is less than the costs for maintaining the device.

that you are satisfied that the value of the property being protected is less than the costs to continue to maintain the levee and that the property owners involved agree with your assessment.

SACRAMENTO DISTRICT ROUTING SLIP

FROM: Opers

DATE: 8 Mar

DISTRICT COMMANDER	DE	CONSTR-OPS DIVISION	CO	ENGINEERING DIVISION	ED	LIFE CYCLE PROJECT MGRS:	
DEPUTY DIST CDR (CIV)	DD-C	ASSISTANT		ASSISTANT		AREA C	DD-PC
DEPUTY DIST CDR (MIL)	DD-M	ADMIN OFFICER		SPEC ASST TO CHIEF		AREA-D	DD-PD
DEPUTY DIST CDR (BC)	DD-B	CONSTRUCTION BR	CO-C	ADMIN OFFICER		AREA E	DD-PE
DEPUTY DIST ENGR (PM)	DD-P	CONTRACT ADMIN		ADMIN UNIT		AREA F	DD-PF
EXECUTIVE ASSISTANT	XA	PROGRAMS & REPTS		SECRETARY		AREA G	DD-PG
SECRETARY		PROJECT MGT SEC		CIVIL PROJECTS BRANCH	ED-D		
		QUALITY ASSUR SEC		CENTRAL VALLEY SEC		PROGRAMS MGT OFC	PB
EEO ☐ SEPM	DE-O	EPA GRANTS BRANCH	CO-E	CIVIL PROJ SEC A		CIV PROGS ANAL	PB-C
EMPLOYEE COUNCIL		CONSTRUCTION SPT		CIVIL PROJ SEC B		PROGS FORMULATION	PB-F
INTERNAL REVIEW OFC	IR	GRANTS ADMIN SEC		CIVIL PROJ SEC C		PROGRAMS MGT BR	PB-M
OFFICE OF COUNSEL	OC	OPERATIONS BRANCH	CO-O	HYDROLOGY SEC			
PUBLIC AFFAIRS OFC	PA	OPS & MAINT SEC		RES CONTROL SEC		EMERGENCY MGT DIV	EM
SADBU	DE-B	BRYTE BEND YARD		COST ENGINEERING BR	ED-C		
SAFETY OFFICE	SO	NATURAL RESOURCES		DESIGN BRANCH	ED-A	PLANNING DIVISION	PD
SECURITY OFFICE	DE-S	NAV & FLOOD CONTR		SPECIAL ASSISTANT		ASSISTANT	
VALUE ENGRG OFFICE	DE-V	PROJECT OPS		CADD SECTION		SPEC ASST TO CHIEF	
		REGULATORY SEC		CIVIL DESIGN SEC		ADMIN OFFICER	
INFORMATION MGT OFC	IM	GRAND JUNCTION		ELECTRICAL DES SEC		SECRETARY	
CUSTOMER ASSIST CTR	IM-C	SALT LAKE UNIT		HYDRAULIC DES SEC		AMERICAN RIV BASIN	PD-A
LIBRARY		SERVICE BRANCH	CO-S	MECHANICAL DES SEC		COLO/GREAT BASIN	PD-G
MAIL & MSG SEC		MTR TRANSP OFCR		MILITARY DES SEC A		ECONOMICS BR	PD-E
CLASS FILES/ALT SITE		PARKS/LAKES		MILITARY DES SEC C		ENVIRON RESOURCES	PD-R
TTY/FAX/ONTYME		BLACK BUTTE		STRUCTURAL DES SEC		FLOOD PLAIN MGT	PD-F
RECORDS MGT/RHA		EASTMAN		GEOTECHNICAL BR	ED-G	SACRAMENTO BASIN	PD-B
REPRODUCTION SEC		ENGLEBRIGHT		SOIL DESIGN SEC		SAN JOAQUIN BASIN	PD-J
INTEGR & IMPLEM BR	IM-I	HENSLEY		GEOLOGY SEC		SPECIAL STUDIES	PD-S
MICRO SUPPORT		ISABELLA		MATERIALS SEC			
SYSTEMS & PRGM'G		KAWEAH		SURVEY SEC		REAL ESTATE DIVISION	RE
REQMTS & PLNG BR	IM-R	MENDOCINO		MIL PROJECTS BRANCH	ED-M	ACQUISITION BR	RE-C
PHONE/DATA LINES		NEW HOGAN		A-E NEGOTIATIONS		LEASING SECTION	
SUPPORT SVCS BR	IM-S	PINE FLAT		BASE CLOSURE SEC		LEGAL SECTION	
GRAPHIC ARTS SEC		SONOMA		INSTALLATION SPT		PURCHASE SEC	
INFO PROCESSING SEC		STANISLAUS		PROJ MGT - AF		APPRAISAL BRANCH	RE-A
COMPUTER ROOM		SUCCESS		PROJ MGT - ARMY		MGT & DISPOSAL BR	RE-M
WORD PROCESSING		CENTRAL AREA OFC	CO-CA	SPECIAL PROJECTS		NORTH SECTION	
		McCLELLAN RES	CO-RM	TECHNICAL SUPPORT BR	ED-T	SOUTH SECTION	
LOGISTICS MGT OFC	LM	SAC RES OFC	CO-RS	SPECIAL ASSISTANT		PLAN & CONTR BR	RE-P
SUPPLY BRANCH	LM-S	CHEM DEMIL RES OFC	CO-RC	ENGR COMP APPL SEC		CADASTRAL SEC	
OFC SUP & REC'G		COST CONTR A.O.	CO-CC	CONSTRUCTION SPT		CONTROL & REPTS	
PROPERTY		PENINSULA A.O.	CO-MA	DQA-AF SEC			
TRANSP & FACIL BR	LM-T	BAY RES OFC	CO-RB	DQA-ARMY SEC			
		FRESNO RES OFC	CO-RF	DRAFTG/MAP FILES			
RESOURCE MGT OFC	RM	MONTEREY RES	CO-RO	MAP FILES RM			
BUDGET BRANCH	RM-B	UTAH AREA OFFICE	CO-UA	SPECIFICATIONS SEC			
FINANCE & ACCTG	RM-F	HILL AFB RES	CO-RH				
CIV WORKS ACCTG		LITTLE DELL RES	CO-RL				
DATA CONTROL		SOUTH UTAH RES	CO-RU				
PAYROLL LIAISON		VALLEY RES OFC	CO-RV				
DISBURSING SEC							
EXAMINATION SEC		CONTRACTING DIVISION	CT				
MILITARY ACCTG		CONTRACT ADMIN BR	CT-C				
QUALITY ASSUR		PROCUREMENT BR	CT-P				
REV FUND ACCTG		CONTRACT SEC					
MGT ANAL/MNPWR	RM-M	PURCHASE SEC					

NON-DISTRICT ELEMENTS

AFRCE		CESPD PERSONNEL	CESPD-PO
CESPD 630 Sansome St.		ASSISTANT CPO	
CESPD-IM 211 Main St.		MGT-EMPL REL BR	PO-E
CESPD-IM-S 630 Sansome St.		POS MGT & CLASS	PO-P
CESPD AOD OFC	CESPD-OD	RECRUIT & PLCMT	PO-R
CESPD RES AUDIT	CESPD-AO-K	TECH SVCS BR	PO-S
CESPL P.O. Box 2711, L.A.		TRAIN & DEVL BR	PO-T
CESPN 211 Main Street		HEALTH UNIT	
HYD ENGR CTR	CEWRC-HEC	USACARA	

ATTN

FOR:	ACTN	COORD	CMT	DRAFT	CIRC	SGNR	INFO	FILE

REMARKS Please review & return with comments.

15 Mar 90

Bob Kelly X2115

Planning Division has no comments. Lynne

CESPK FORM 1
1 NOV 89

(Previous editions are obsolete)

DO NOT USE FOR APPROVALS, DISAPPROVALS, CONCURRENCES, OR SIMILAR ACTIONS

SACRAMENTO DISTRICT ROUTING SLIP

FROM: Opers

DATE: 30 Apr

DISTRICT COMMANDER	DE	CONSTR-OPS DIVISION	CO	ENGINEERING DIVISION	ED	LIFE CYCLE PROJECT MGRS:	
DEPUTY DIST CDR (CIV)	DD-C	ASSISTANT		ASSISTANT		AREA C	DD-PC
DEPUTY DIST CDR (MIL)	DD-M	ADMIN OFFICER		SPEC ASST TO CHIEF		AREA D	DD-PD
DEPUTY DIST CDR (BC)	DD-B	CONSTRUCTION BR	CO-C	ADMIN OFFICER		AREA E	DD-PE
DEPUTY DIST ENGR (PM)	DD-P	CONTRACT ADMIN		ADMIN UNIT		AREA F	DD-PF
EXECUTIVE ASSISTANT	XA	PROGRAMS & REPTS		SECRETARY		AREA G	DD-PG
SECRETARY		PROJECT MGT SEC		CIVIL PROJECTS BRANCH	ED-D		
		QUALITY ASSUR SEC		CENTRAL VALLEY SEC		PROGRAMS MGT OFC	PB
EEO ☐ SEPM	DE-O	EPA GRANTS BRANCH	CO-E	CIVIL PROJ SEC A		CIV PROGS ANAL	PB-C
EMPLOYEE COUNCIL		CONSTRUCTION SPT		CIVIL PROJ SEC B		PROGS FORMULATION	PB-F
INTERNAL REVIEW OFC	IR	GRANTS ADMIN SEC		CIVIL PROJ SEC C		PROGRAMS MGT BR	PB-M
OFFICE OF COUNSEL	OC	OPERATIONS BRANCH	CO-O	HYDROLOGY SEC			
PUBLIC AFFAIRS OFC	PA	OPS & MAINT SEC		RES CONTROL SEC		EMERGENCY MGT DIV	EM
SADBU	DE-B	BRYTE BEND YARD		COST ENGINEERING BR	ED-C		
SAFETY OFFICE	SO	NATURAL RESOURCES		DESIGN BRANCH	ED-A	PLANNING DIVISION	PD
SECURITY OFFICE	DE-S	NAV & FLOOD CONTR		SPECIAL ASSISTANT		ASSISTANT	
VALUE ENGRG OFFICE	DE-V	PROJECT OPS		CADD SECTION		SPEC ASST TO CHIEF	
		REGULATORY SEC		CIVIL DESIGN SEC		ADMIN OFFICER	
INFORMATION MGT OFC	IM	GRAND JUNCTION		ELECTRICAL DES SEC		SECRETARY	
CUSTOMER ASSIST CTR	IM-C	SALT LAKE UNIT		HYDRAULIC DES SEC		AMERICAN RIV BASIN	PD-A
LIBRARY		SERVICE BRANCH	CO-S	MECHANICAL DES SEC		COLO/GREAT BASIN	PD-G
MAIL & MSG SEC		MTR TRANSP OFCR		MILITARY DES SEC A		ECONOMICS BR	PD-E
CLASS FILES/ALT SITE		PARKS/LAKES		MILITARY DES SEC C		ENVIRON RESOURCES	PD-R
TTY/FAX/ONTYME		BLACK BUTTE		STRUCTURAL DES SEC		FLOOD PLAIN MGT	PD-F
RECORDS MGT/RHA		EASTMAN		GEOTECHNICAL BR	ED-G	SACRAMENTO BASIN	PD-B
REPRODUCTION SEC		ENGLEBRIGHT		SOIL DESIGN SEC		SAN JOAQUIN BASIN	PD-J
INTEGR & IMPLEM BR	IM-I	HENSLEY		GEOLOGY SEC		SPECIAL STUDIES	PD-S
MICRO SUPPORT		ISABELLA		MATERIALS SEC			
SYSTEMS & PRGM'G		KAWEAH		SURVEY SEC		REAL ESTATE DIVISION	RE
REQMTS & PLNG BR	IM-R	MENDOCINO		MIL PROJECTS BRANCH	ED-M	ACQUISITION BR	RE-C
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SUPPORT SVCS BR	IM-S	PINE FLAT		BASE CLOSURE SEC		LEGAL SECTION	
GRAPHIC ARTS SEC		SONOMA		INSTALLATION SPT		PURCHASE SEC	
INFO PROCESSING SEC		STANISLAUS		PROJ MGT - AF		APPRAISAL BRANCH	RE-A
COMPUTER ROOM		SUCCESS		PROJ MGT - ARMY		MGT & DISPOSAL BR	RE-M
WORD PROCESSING		CENTRAL AREA OFC	CO-CA	SPECIAL PROJECTS		NORTH SECTION	
		McCLELLAN RES	CO-RM	TECHNICAL SUPPORT BR	ED-T	SOUTH SECTION	
LOGISTICS MGT OFC	LM	SAC RES OFC	CO-RS	SPECIAL ASSISTANT		PLAN & CONTR BR	RE-P
SUPPLY BRANCH	LM-S	CHEM DEMIL RES OFC	CO-RC	ENGR COMP APPL SEC		CADASTRAL SEC	
OFC SUP & REC'G		COST CONTR A.O.	CO-CC	CONSTRUCTION SPT		CONTROL & REPTS	
PROPERTY		PENINSULA A.O.	CO-MA	DQA-AF SEC			
TRANSP & FACIL BR	LM-T	BAY RES OFC	CO-RB	DQA-ARMY SEC			
		FRESNO RES OFC	CO-RF	DRAFTG/MAP FILES			
RESOURCE MGT OFC	RM	MONTEREY RES	CO-RO	MAP FILES RM			
BUDGET BRANCH	RM-B	UTAH AREA OFFICE	CO-UA	SPECIFICATIONS SEC			
FINANCE & ACCTG	RM-F	HILL AFB RES	CO-RH				
CIV WORKS ACCTG		LITTLE DELL RES	CO-RL				
DATA CONTROL		SOUTH UTAH RES	CO-RU				
PAYROLL LIAISON		VALLEY RES OFC	CO-RV				
DISBURSING SEC							
EXAMINATION SEC		CONTRACTING DIVISION	CT				
MILITARY ACCTG		CONTRACT ADMIN BR	CT-C				
QUALITY ASSUR		PROCUREMENT BR	CT-P				
REV FUND ACCTG		CONTRACT SEC					
MGT ANAL/MNPWR	RM-M	PURCHASE SEC					

NON-DISTRICT ELEMENTS

AFRCE		CESPD PERSONNEL	CESPD-PO
CESPD 630 Sansome St.		ASSISTANT CPO	
CESPD-IM 211 Main St.		MGT-EMPL REL BR	PO-E
CESPD-IM-S 630 Sansome St.		POS MGT & CLASS	PO-P
CESPD AOD OFC	CESPD-OD	RECRUIT & PLCMT	PO-R
CESPD RES AUDIT	CESPD-AO-K	TECH SVCS BR	PO-S
CESPL P.O. Box 2711, L.A.		TRAIN & DEVL BR	PO-T
CESPN 211 Main Street		HEALTH UNIT	
HYD ENGR CTR	CEWRC-HEC	USACARA	

ATTN

FOR:	ACTN	COORD	CMT	DRAFT	CIRC	SGNR	INFO	FILE

REMARKS Any cmts? Original sent to you for comments on 8 March

Bob Kelly X2115 / Not if it is non-functional - Henson x2421

CESPK FORM 1
1 NOV 89

(Previous editions are obsolete)

DO NOT USE FOR APPROVALS, DISAPPROVALS, CONCURRENCES, OR SIMILAR ACTIONS

MAY 3

BOB:

Call Ray Williams 2066

RE: ABANDONED FEATHER RIVER LEVEE @ HAMILTON BEND AREA

J.

4 May 90 RAY WILLIAMS CHIEF OF DESIGN BRANCH AT THE TIME

— Ray said Engr. Div had no objections

8 Mar

Copies to

Engr Div —— to Gundlach on 30 Apr.

Plng Div ✓

Legal — another cy sent 30 Apr
cmt rec'd 1 May

for comment

? is property owner located between Larkin Road and proj levee aqueduct.

FP — Mi 59 = 136± COE
or 133 NGVD

" 61 = 146.6
or 143.6 NGVD

C CERTIFI MAIL - RETURN RECEIPT RE(STED

January 10, 1990

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 January 5, 1990, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 43) to the State of California for operation and maintenance. The flood control work consists of bank sloping, placement of stone protection and miscellaneous work on the Feather River left bank at Site Miles 0.9, 1.5, 5.6, 5.9 and 6.4.

The sites were completed on December 8, 1989, in accordance with Contract Number DACW05-88-C-0063, Specification Number 8367 and Drawing Number 50-4-5798.

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-645, July 14, 1960), Section 2304(a), Title 10, and the Water Resources Development Act of 1986 (PL 99-662, October 17, 1986), and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous thereto is transferred as of January 5, 1990 to the State of California for operation and maintenance.

ROMPALA/ KELLY A.SMITH

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Number 141, Part Number 1, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

FAST

Sincerely,

DENNIS

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

MASON

Le CUYER

CC:
O Div; Fld Cntrl Unit;
Central Valley Sec; Prog
Dev; F&A Br; Valley Res
Ofc; Reading

Copies Furnished:

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

PC#UNIT43-

EXHIBIT F

'C CERTIFIED MAIL - RETURN RECEIPT REQUESTED

November 22, 1989

Navigation and Flood Control Unit

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

done

Members of the Board:

This is in regard to the joint inspection of November 14, 1989, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 43) to the State of California for operation and maintenance. The flood control work consists of bank sloping, placement of stone protection and miscellaneous work on the Feather River right bank at Site Mile 51.1; Colusa Basin Drain left bank at Site Miles 8.5; Sutter Bypass right bank at Site Mile 64.0 and Yolo Bypass left bank at Site Mile 54.1.

The sites were completed on November 14, 1989, in accordance with Contract Number DACW05-88-C-0063, Specification Number 8367 and Drawing Number 50-4-5798.

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

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 123, 129, 132 and 152, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

Sincerely,

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

cc:
C-O Div; Fld Cntrl Unit;
Central Valley Sec; Prog
Dev; F&A Br; Valley Res
Ofc; Reading
Copies Furnished:

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

ROMPALA/mt
KELLY
A.SMITH
HELM
FAST
DENNIS
MASON
Le CUYER

PC#LTRUNIT43

Units 123, 129, 132, 152

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

27 October 1970
Refer to: 4130.60.403
Contract 70-C-0088

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

Dear Sir:

Reference is made to your letter of October 20, 1970, concerning transfer to the State of California of a portion of the Sacramento River Bank Protection Project for maintenance and operation. The transferred sites were as follows:

Waterway	Bank	Site Levee Mile
Feather River	Right	4.25
	Left	10.60
South Dry Creek	Left	1.30, 2.00 and 3.50
Bear River	Right	2.50 and 3.85
	Left	4.20 and 4.60

This work was constructed in conformance with Specification No. 3426, Contract No. DACW05-70-C-0088, Drawing No. 50-4-4377 and is a portion of the work to be done on Unit No. 18.

The Reclamation Board at its meeting of October 23, 1970, formally accepted the above-referred to work for operation and maintenance.

Sincerely yours,

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

EXHIBIT F

SPKCO-O 20 October 1970

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

Gentlemen:

Reference is made to the joint inspection of 24 September 1970 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project work (Unit #18), to the State of California for operation and maintenance.

The flood control work consists of bank sloping and placement of stone protection, as follows:

WATERWAY	BANK	SITE LEVEE MILE
Feather River	Right	4.25
	Left	10.60
South Dry Creek	Left	1.30, 2.00 and 3.50
Bear River	Right	2.50 and 3.85
	Left	4.28 and 4.60

A list covering the completed work is inclosed. The work was completed on 24 September 1970 in accordance with Specification No. 3426, Contract No. DACW05-70-C-0088, Drawing No. 50-4-4377. The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304(a), Title 10 and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 24 September 1970 to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 141 Part 1, 146 and 152,

Unit 141.1, 146, 152

to Osburn & Huber 21 Oct 70

SPKCO-O
The Reclamation Board

20 October 1970

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

Sincerely yours,

1 Incl (in dupe)
List

JAMES R. HIGMAN
Lieutenant Colonel, CE
Acting District Engineer

Copy furnished:
DWR, ATTN: John Wright

OCE
SPD

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

WAIT/pp
COLEMAN
HANSON
HARRIS
HIGMAN

Unit 141.1.14 61
152

SUMMARY OF SACRAMENTO RIVER BANK PROTECTION
UNIT #18 - FEATHER RIVER,
SOUTH DRY CREEK & BEAR RIVER

FEATHER RIVER: SITE LEVEE MILE	STONE PROTECTION	L.F.	STONE TOE WALL	L.F.
4.25 Rt.	1+25 to 13+50	1225	2+50 to 3+50	100
10.60 Lt.	10+00 to 20+65	1065		
SOUTH DRY CREEK:				
1.30 Lt.	20+19 to 25+95	576		
	26+18 to 38+00	1182		
2.00 Lt.	1+00 to 6+00	500		
3.50 Lt.	124+00 to 140+00	1600		
BEAR RIVER:				
4.60 Lt.	17+00 to 0+55	1645		
4.28 Lt.	0+00 to 4+00	400		
3.85 Rt.	259+25 to 265+65	640		
2.50 Rt.	331+35 to 338+00	665		

Line 1H1.1/1/16.152

THE RECLAMATION BOARD
State of California
January 11, 1966

C O P Y

C O P Y

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

Dear Sir:

Reference is made to your letter of November 29, 1965, concerning transfer to the State of California of the Sacramento River Bank Protection Project, Contract 14, ten sites between Sacramento and Gerber, in accordance with Specification No. 3283.

The Reclamation Board, at its meeting of January 6, 1966, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

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

EXHIBIT F

SPKCO-F 29 November 1965

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

Gentlemen:

Reference is made to the joint inspections made on 17 & 19 November 1965, of flood control work pertaining to the Sacramento River Bank Protection Project for the purpose of transferring this work, upon completion, to the State of California for operation and maintenance.

The flood control work, consisting of levee enlargement, levee setback, shaping and placement of bank protection at 4 locations on Elder Creek near Highway U.S. 99W; one location on the Sacramento River at Hamilton Bend, three locations on the Feather River near Nicolaus and one location near the Gridley Bridge, and one location on the American River downstream from the "H" Street Bridge, as listed on the attached inclosure, was completed on 19 November 1965, in accordance with Specification No. 3283, Contract No. DA-04-167-CIVENG-66-28 and Drawing No. 50-4-4118.

Carts 14

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

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 118-Elder Creek, 136, 141 and 152-Sacramento River Flood Control Project, and furnished your office at a later date.

Sincerely yours,

ROBERT E. MATHE
Colonel, CE
District Engineer

1 Incl
Summary Sheet

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Copy furnished:
Dept Water Resources w/incl

cc: Lev & Chan; Prog Dev; Valley Res; F&A (ATTN: C. Cordano)

COLEMAN/
HENSON
MATHE

Units 118.1, 136, 141, 152 & Vol 12 Elder Creek

SUMMARY OF LEVEE UNITS - RIGHT & LEFT BANKS
AMERICAN RIVER, SACRAMENTO RIVER, FEATHER RIVER & ELDER CREEK

Unit 14

LEVEE UNIT SITE MILE	LEVEE ENLARGEMENT	LINEAL FEET	LEVEE SETBACK	LINEAL FEET	BANK SLOPING	LINEAL FEET	STONE PROTECTION	LINEAL FEET	RIGHT OR LEFT BANK	
AMERICAN RIVER:										
5.84					3+00to18+50	1550	3+00to18+50	1550	Left	118.1
SACRAMENTO RIVER:										
152.47			235+00to244+00	900			236+00to243+00	700	Left	136
FEATHER RIVER:										
6.5					77+00to86+00	800	78+00to86+00	800	Left	141
7.5	16+00to31+00	1500	16+00to31+00	1500	31+00to32+00	100	16+00to32+00	1600	Left	
8.6	2+00to10+00	800	2+00to10+00	800			2+00to10+00	800	Left	
49.6			3+00to14+00	1100	0+00to3+00	300	0+00 to 14+00	1400	Right	152
ELDER CREEK:										
0.56					16+25to22+00	575	16+25to22+00	575	Right	Vol 12
1.25					62+60to70+50	790	62+60to70+50	790	Left	
1.46					62+00to70+00	800	62+00to70+00	800	Right	
1.85					124+50to131+00	650	124+50to131+00	650	Right	

COPY

THE RECLAMATION BOARD
of the
STATE OF CALIFORNIA

November 8, 1963

Refer to: 7001.70.602

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

Dear Sir:

Reference is made to your letter of October 17, 1963, concerning transfer to the State of California of levee strengthening and enlargement on the right bank of the Feather River from Vance Avenue to Sutter Butte Canal Headgates designated as Items 5a and 5e in the Supplement to the Memorandum of Understanding and completed in accordance with Specification No. 2949.

The Reclamation Board at its meeting of October 31, 1963, formally accepted the above referred to levee strengthening and enlargement work for operation and maintenance.

Sincerely yours,

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

EXHIBIT F

Supplement 1

SPKED-C

17 OCT 1963

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

Gentlemen:

Reference is made to the joint inspection made on 8 October 1963 of 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 Supplement dated 29 November 1957 to the Memorandum of Understanding entered into with the State of California under date of 30 November 1953, covering added items of work required to complete the Sacramento River Flood Control Project.

The flood control work consisting of strengthening and enlargement of levee on right bank of Feather River from Vance Avenue to Sutter Buttes Canal Headgates, including construction of a turnaround, designated as Items 5a and 5e in the above referenced Supplement was completed on 5 October 1963 in accordance with Specification No. 2949, Contract No. DA-04-167-CIVENG-63-~~40~~ 30, and Drawing No. 4-4-534.

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. A manual for this portion of the project has already been furnished which adequately covers operation and maintenance requirements for the above item.

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

Sincerely yours,

Unit 152

ROBERT E. MATHE
Colonel, CE
District Engineer

C. R. TEAGLE
Lt Col, CE
Deputy District Engineer

Copy furnished:
Dept Water Res.

REGISTERED
RETURN RECEIPT REQUESTED

O.C.E. & SPD

Items 5a 5e

XI
10/15/63
HENSON/PP
THOMPSON
HARR
MATHE

THE RECLAMATION BOARD
OF THE
STATE OF CALIFORNIA
1900 O STREET
SACRAMENTO 14, CALIFORNIA

February 7, 1955

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

17?

Gentlemen:

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

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

Yours very truly,

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

By Donald D. Lemmon
DONALD D. LEMMON
Assistant Secretary

DDL:afm

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

44

REGISTERED MAIL
Return Receipt
Requested

SPKEO-P 884.3 (Sacramento River F.C.P.)

31 JAN 1955

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

Gentlemen:

Reference is made to District Engineer's letter dated 22 November 1954 suggesting a joint inspection of a certain levee section 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 section made on 18 December 1954.

The levee section referred to above is described as follows:

> LEVEE SECTION NO. 434: Westerly levee of the Feather River from Cox Ranch, Mile 47.5 to a point opposite Rio Bonito Station, Mile 57.9.

This levee section has been recently completed under Contract W-04-167-eng-1146 and Drawing No. 4-4-340, and now meets the requirements of the Sacramento River Flood Control Project. Therefore, said levee section, No. 434, together with the waterway bank contiguous thereto, is hereby transferred to the State of California for operation and maintenance.

It is to be noted that the levee section described above combined with other sections previously transferred to your jurisdiction now forms a continuous levee reach from Mile 7.5 to 60.9.

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 5 of the Act of Congress, approved 22 June 1936, as amended and supplemented by the

C. deARRIETA

Unit 7/52

Contract 1146

434

Letter No 54

SPKEO-P 824.5 (Sacramento River F.C.P.)
The Reclamation Board

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

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

S.....ely yours,

WM. J. ELY
Col, CE
District Engineer

1 Incl
1. F.C. Reg.

Copy furnished:
State Engineer
Dept. of Public Works
Sacramento, Calif. w/o incl

OCE w/o incl
So.Pac.Divn.Engr. w/o incl

cc: Engr. Divn.
Sacto. Proj. Off. w/o incl
c. de Arrieta (1)

A34

2

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

Accepted items

December 18, 1951

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

	No.	Date of Letter	Levee Location	Remarks
1-2	1	1 Dec.1951	N. and S. Training* Levees Moulton Weir*	Maintained by State
3-4	1	Do	N. and S. Training* Levees Colusa Weir*	Maintained by State
6	2	3 Dec.1951	W. Levee Sacramento River, Mile 177.5 Mile 174.1	Maintained as Maintenance Area No. 2
9	3	4 Dec.1951	E. Levee Yolo By-pass Fremont* Weir to Miner Slough*	N. 2 mi. maintained by State. Remainder by local districts. Conditioned upon completion of levee section and no acceptance of banks of Sacramento Deep Water Channel.
10 11	3	Do	N.&S. Levees Sacramento By-pass*	Maintained by State. Waterward slopes on 4 to 1 not required.
21a	4	6 Dec.1951	Back levee Egbert District*	Maintained by R. D. No. 536
22	4	6 Dec.1951	W. Levee Yolo By-pass Lindsey* Slough to Watson Hollow Drain*	Maintained by R. D. No. 536
24	4	Do	N.Levee Watson Hollow Drain*	Do
16	5	6 Dec.1951	W.Levee Sacramento River Mile 59.0 to Lake Washington Barge Canal	Maintained by R. D. No. 900
18	5	Do	W. Levee Sacramento Riv.Mile 50.8 to 50.5	Bank protection contract. Maintained by R. D. No. 765

Copy to USED.

1

3

Accepted Items

No.	Date of Letter	Levee Location	Remarks
6 (12)-(13)-(14)-(15)	6 Dec.1951	Levees of Wadsworth Canal* South levees of E. and W. Intercepting Canals.	Maintained by State. Waterward slopes on 4 to 1 not required.
7 = 329 (87-A)	7 Dec.1951	Site 2 Part A. W.Levee Sacramento River-Mile 28.5 -Grand Island.	Maintained by R.D. No. 3. Completed contract.
= 331 (89-A)		Site 1,Part B. E. levee Sacramento River-Mile 15.0 Brannan Island.	Maintained by R.D.No. 2067 Completed contract.
8 (51)-(52)-(53)-(54)-(55)-(56)-(57)	8 Dec.1951	W. levee Sacramento River Mile 163.8 to Mile 143.5 except 320 ft. at Colusa Warehouse & Mile 146.1 to Mile 146.4.	Maintained as Maintenance Area No. 1.
8 (58)-(59)-(60)-(61)-(62)-(63)	Do	E. levee Sacramento River, Mile 153.3 to Mile 152.7; Mile 149.9 to Mile 149.7; Mile 149.4 to Mile 149.0; at Colusa Weir; Mile 143.3 to Mile 140.2;Mile 139.3 to Mile 138.2.	Maintained by State Separate completed contracts.
8 (64)-(65)-(66)-(67)-(68)-(69)-(70)	Do	E. levee Sacramento River Mile 138.2 to Mile 137.9; Mile 136.9 to Mile 133.8; Mile 133.2 to Mile 132.3; Mile 131.8 to Mile 125.9; Mile 125.8 to Mile 123.1; Mile 122.6 to Mile 122.0.	Maintained by R.D.No. 70, Completed contracts.
(71)-(72)-(73) 8	Do	West levee,Sutter By-pass*	Maintained by R.D.Nos. 70, 1660, 1500.Condition upon completion of remaining part to standard section.
(74) 8	Do	North levee Tisdale By-pass*	Maintained by R.D.No. 1660. Waterward slope of 4 to 1 not required.
(75) 8	Do	South levee Tisdale By-pass*	Maintained by R.D.No.1500. Waterward slope of 4 to 1 not required.
(76) 8	Do	East levee Sutter By-pass*.	Maintained by State.
(81) 9	Do	W. levee Sacramento River Mile 35.15 to 35.86.	Maintained by R.D.No. 150 (Merritt Island).Completed contract bank protection.

4

Accepted Items

	No.	Date of Letter	Levee Location	Remarks
91	10	8 Dec. 1951	Cross levee Steamboat Slough to Sacramento River.*	Maintained by R.D. No. 3 (along U.S.spoil bank).
140	11	Do	N. levee American River from Jibboom St.Bridge to Sacramento River.	Maintained by R.D. No. 1000.
141	11	Do	E. levee Sacramento River American River to Natomas Cut.	Maintained by R.D.No. 1000.
142	11	Do	E. bank Sacramento River At Moulton Weir.	Maintained by State.
143	11	Do	E. Levee Sacramento River Mile 158.5 to Mile 164.4.	Maintained partly by State; remainder by Levee District.No. 3, Glenn County, Completed Contract.
146	11	Do	W. levee Sacramento River Mile 61.8 to Mile 62.65.	Maintained by Maintenance Area No. 4. Completed contract.
147	11	Do	W. Levee Sacramento River Mile 62.65 to Mile 63.1.	Maintained by R.D. No. 537 Completed contract.
148	11	Do	Sacramento Weir.	Maintained by State.
152	11	Do	Fremont Weir.	Maintained by State.
153 156 157	11	Do	W. Levee Sacramento River Mile 87.6 to Mile 88.4; Mile 89.2 to Sycamore Slough	Maintained by R.D. No. 730 Completed contracts.
158	11	Do	W. Levee Sacramento River Mile 100.6 to Mile 101.4	Maintained by Sacramento River West Side Levee District. Completed contract.
160 161 162 163	11	Do	W. Levee Feather River except: 3.31 Mi. North from Nicolaus Bridge; 1400 ft. in Yuba City; from Sta.774+80 to Sta. 1188+00 of "Y.C.H.B" Traverse.	Maintained by Maintenance Area No. 3, Levee Dist. Nos. 1 & 9 of Sutter Co. Recl. Dist.No. 777 and State.
164	11	Do	E. Levee Sacramento River, Natomas Cut to Feather River	Maintained by Recl.Dist.No.1001.
165 166 167 168 169 170	11	Do	E. Levee Feather River from mouth to Mile 26.5,except from 2.37 miles of Nicolaus Bridge to Bear River	Maintained by R.D. Nos. 1001 and 784.

21

3

5

Accepted Items

No.	Date of Letter	Levee Location	Remarks
11 (171) (172)	8 Dec.1951	Marysville levees from W.P.R.R. at Simmerly Slough E.to Yuba River and from D St. Bridge on Yuba River upstream to Valley Meat Co.	Maintained by Marysville Levee Commission.
11 (173) (174)	Do	N.Levee Simmerly Slough from W.P.R.R. to S.P.R.R. and E. Levee Feather River from Simmerly Slough upstream 4.8 miles	Maintained by R.D. No. 10 Completed contract.
(175) 11	Do	N. Levee Yuba River from back levee of Marysville upstream 1.8 miles	Maintained by Marysville Levee Commission.
(176) 11	Do	S.Levee Yuba River from S.N.R.R. to S.P.R.R.	Maintained by R.D. No. 784.
(177) 11	Do	N.Levee Bear River from Feather River to W.P.R.R. Interceptor	Maintained by R.D. No. 784.
(178) 11	Do	E. Levee R.D.784 (W.Levee W.P.R.R.Interceptor) Bear River to intersection with W.P.R.R. in S½ Sec.17, T.14 N.,R. 4 E.	Maintained by R.D. No. 784.
11 (179) (180)	Do	S. Levee American River from 16th St.Bridge to Mayhew except from S.N.R.R. to a point 800 ft. E. of W.P.R.R.	Maintained by American River Flood Control District.
11 (181) (182) (183) (184) (185) (186) (187) (188)	Do	W. Levee Yolo By-pass from Sacramento River to Putah Creek except from N.line Cache Cr.Settling Basin to S.N.R.R. & from old Willow Slough pipes south 1.48 mi.*	Maintained by State and R. D. #2035.
(190) 11	Do	N.&S. levees Willow Slough Interceptor*	Maintained by State and R. D. No. 2035.
(191) (192) 11	Do	N.&S. levees of Putah Creek	Maintained by State.
11 (197) (198)	Do	N.&S. levees Sycamore Slough from Sacramento River to Knights Landing Outfall Gates	Maintained by R.D. 730 and Sacramento River West Side Levee District.

21

6

Accepted Items

No.	Date of Letter	Levee Location	Remarks
12	8 Dec.1951	Five reaches of Ryer Island levee along Miner Slough as follows: a. Junction Miner and Sutter Sloughs westerly 5000 feet. (38) b. From State Highway Bridge West. 3035 ft. (79A) Covered by letter dated 16 Nov. 1951 321 c. Spec. 1473, Sta. 53+00 to 64+00 about one mi. No. of Ryde Road. Mile 29.4 to 29.6 (53A) 303 Covered by letter dated 17 Nov. 1951 d. Spec. 1473, Sta. 0+00 to 12+00 being 600 ft. each side of Ryde Road. Mile 30.4 to 30.6 (54A) 304 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. (28) (50)	Maintained by R.D. No. 501. All are completed separate contracts.

*No waterway banks contiguous to these levees.

86

R E S O L U T I O N

PASSED AND ADOPTED BY THE RECLAMATION BOARD

APRIL 7, 1948

- - -

WHEREAS The Reclamation Board has heretofore approved a certain item of "new construction"; consisting of the enlargement, set back and reconstruction of the west levee of the Feather River from opposite Rio Bonito Station upstream 3.5 miles; and

WHEREAS the Department of the Army, Corps of Engineers, District Engineer, Sacramento District, under date of March 18, 1948, has notified The Reclamation Board of the completion of said item of levee enlargement, set back and reconstruction, and has transferred said portion of levee to the State of California for maintenance and operation; and

WHEREAS the Chief Engineer of The Reclamation Board has caused to be made an inspection on the ground of the item of new construction as specified above, and has found and determined that such work, as completed, has been prosecuted and carried out in conformance with plans and specifications therefor; now therefore be it

RESOLVED AND ORDERED that The Reclamation Board does hereby accept for the State of California the said item of "new construction" as aforesaid, which has on the date above set forth been transferred to said Board by the Department of the Army, U. S. District Engineer; and be it further

RESOLVED AND ORDERED that the west levee of the Feather River from opposite Rio Bonito Station upstream 3.5 miles, together with the berms and appurtenant structures thereof, be and the same is hereby turned over to the Department of Public Works, acting by and through the State Engineer, for maintenance and operation, as the legally authorized function of said State Engineer, pursuant to the provisions of the Water Code of the State of California.

Manual No. 13

152

14

15

STATE OF CALIFORNIA)
COUNTY OF SACRAMENTO) SS
Office of The Reclamation Board)

I, S. A. HONAKER, Assistant Secretary of The Reclamation Board, do hereby certify that the attached is a true and correct copy of a Resolution passed and adopted by said Board at its meeting held April 7, 1948.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of The Reclamation Board, this 15 day of April, 1948.

S. A. Honaker
S. A. HONAKER
Assistant Secretary

Manual No. 13

152

(13)

16

85

Arrieta

PSKKB

18 March 1948

SUBJECT: Maintenance of the West Levee of Feather River from opposite Rio Bonito Station upstream 3.5 miles

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

Gentlemen:

Construction of the West Levee of the Feather River, from opposite Rio Bonito Station upstream 3.5 miles, has been completed. Therefore, in accordance with established procedure, this portion of completed levee is hereby transferred to the State of California for maintenance.

This construction forms an integral part of the Sacramento River Flood Control Project. The details and extent of the work are shown on inclosed drawing No. 4-4-282, in three sheets, entitled "Levee Construction, West Levee, Feather River from opposite Rio Bonito Station Upstream 3.5 miles."

There also is inclosed a copy of Flood Control Regulations prescribed by the Secretary of War, now referred to as the Secretary of the Army, pursuant to provisions of Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented, to govern the maintenance and operation of Flood Control Works, of which the levee referred to above is a part. In accordance with paragraph 208.10(10) of said regulations, at a later date this office will furnish your Board and local interests with an Operation and Maintenance Manual to assist in carrying out their obligations established by these regulations.

For the records of this office, acknowledgment of receipt of this letter is requested on or before 30 April 1948.

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

2 Incls.
Drawing 4-4-282(3 sheets)
Flood Control Regulations
(all in trip.)

S. Manual No 13

152

Copy furnished:
State Engineer, with incls.

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EXHIBIT G

SUGGESTED SEMI-ANNUAL REPORT FORM

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

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

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

Dear Sir:

The semi-annual report for the period (1 May 19__ to 31 October 19__) (1 November 19__ to 30 April 19__)

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 surface at Gridley Bridge gage reached or exceeded a reading of 95.0) occurred on the following dates:

Dates	Maximum Elevation
_____	_____
_____	_____
_____	_____

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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 (dstes)_____, 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:

	Labor	Material	Equipment	Overhead	Total
1. Inspection					
2. Maintenance					
3. Flood fighting operations					
TOTAL					

Respectfully submitted,

_____
Superintendent of Works

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Sheet 2 of 2