

State of California  
The Resources Agency  
THE RECLAMATION BOARD

EMERGENCY LEVEE CONSTRUCTION ON THE  
LEFT BANK SACRAMENTO RIVER NEAR  
CLEAR CREEK

OPERATION AND MAINTENANCE MANUAL

January 1975

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Exhibits

- Exhibit A - Location Map.
- Exhibit B - Memorandum of Acceptance by Department of Water Resources and Transfer to Reclamation Board.
- Exhibit C - Letter of Transfer to Department of Fish and Game.

Levee on Left Bank Sacramento River on  
Department of Fish and Game Property - Shasta County

Operation and Maintenance

Chapter I

Introduction

1. Purpose

The purpose of this manual is to define the operation and maintenance procedures to be used for the levee constructed by The Reclamation Board on the Department of Fish and Game property on the left bank of the Sacramento River in Shasta County. This manual is to be used by the maintaining agency as a basis for operating procedures and for all maintenance operations of the levee.

2. Project Authority

The State Reclamation Board, on June 28, 1974, adopted Resolution No. 74-11, which states:

"Whereas, the Reclamation Board has determined that a serious flood problem exists on the Sacramento River in the vicinity of Clear Creek approximately between River Mile 288 and 290; and

"Whereas, the Reclamation Board has determined that if the river is not stabilized as rapidly as possible in this reach, a permanent channel change will occur, causing severe damages to the Tobiasson and Nye subdivisions, the City of Redding sewer ponds and to valuable spawning beds; and

"Whereas, the Reclamation Board has determined that the J. F. Shea Company gravel extraction operation within the reach must be made independent of the river; and

"Whereas, the Reclamation Board has, after professional investigation and public hearing, adopted on May 31, 1974, a plan to stabilize the river to make the gravel extraction operation independent of the river as proposed by Mr. Amalio Gomez in the report entitled,

'Study of Physical and Hydraulic Changes, Sacramento River, Vicinity of Clear Creek, South of Redding, California'; and

"Whereas, the implementation of the adopted plan for remedial works, including the removal of islands in the river, will require the cooperation between the J. F. Shea Company and the California Department of Fish and Game; and

"Let It Be Further Resolved, that the California Department of Fish and Game is directed to construct, or cause to be constructed, that part of the remedial works described below:

"A permanent levee across the Department of Fish and Game lands, substantially to the alignment, grade and section indicated in the adopted plan. Variations from the specified alignment, grade and section will be permitted only if plans for such modifications are approved by the staff of the Reclamation Board. Permanent levee construction will be initiated within 60 days of the date of this resolution, unless an extension of time is approved by the staff of the Board. Permanent levee construction shall be completed by October 31, 1975;"

Emergency funds were obtained to allow the Reclamation Board to proceed with planning and construction of the levee.

### 3. Location

The constructed levee covered by this manual is located in Shasta County on the left bank of the Sacramento River approximately 5 miles southeasterly of the City of Redding and 2,000 feet upstream and northeasterly of the mouth of Clear Creek.

### 4. Description of the Levee

The constructed levee is 1,586 feet in length. It was constructed with a crown width of 20 feet, a waterward slope of 1 on 4 and a landward slope of 1 on 2. The elevation of the top of the levee at the upstream end is 439.64 feet, USGS Datum, and slopes to elevation 437.5 feet, USGS Datum at the downstream end.

5. Construction Data and Contractor

The levee was constructed on the Department of Fish and Game property on the left bank of the Sacramento River near Clear Creek under Specification No. 74-53, Contract No. C50158, Emergency Levee Construction on the Sacramento River near Clear Creek. The contractor was James L. Ferry and Son, Inc. The work started on September 18, 1974, and was completed on October 18, 1974.

6. Acceptance

The completed levee was accepted by the Department of Water Resources and transferred to The Reclamation Board by letter dated October 23, 1974.

The Reclamation Board, at its meeting of November 8, 1974, accepted the completed work from the Department of Water Resources. By letter dated November 13, 1974, the levee was turned over to the Department of Fish and Game for operation and maintenance.

## Chapter II

### Operation and Maintenance

#### 7. Inspection Procedure

The Department of Water Resources, State of California, will make semiannual inspections of the completed levee and report its findings to the Department of Fish and Game and The Reclamation Board. Supervisory powers and duties of the Department of Water Resources are applicable to the levee maintained by the Department of Fish and Game.

The following procedure is used in inspecting the constructed levee maintained and operated by the Department of Fish and Game:

Personnel of the 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 of maintenance are being adhered to:

(1) That all brush, trees and obnoxious wild growth other than sod are removed from the levee crown and slopes.

(2) That all debris on the levee slope has been removed or burned during the appropriate season.

(3) That all burrowing animals have been exterminated.

(4) That all caves, sloughs, burrows, holes, slips or other damaged portions of the levee have been repaired.

(5) That no revetment work or riprap have been displaced, washed out or removed.

(6) That the crown of the levee is well shaped and maintained and that unauthorized vehicular travel is restricted.

(7) That encroachments are not being erected on the levee which would hinder maintenance or travel by authorized maintenance and inspection vehicles.

(8) Prevent the erection of structures on, additions to, or alterations of the levee unless authorized by permit from the State Reclamation Board.

Following the detailed inspection, a copy of the inspection report will be furnished to the Department of Fish and Game.

#### 8. General Rules and Procedures

The general rules for maintenance and operation of the flood control works are as follows:

(1) The levee constructed by The Reclamation Board for local flood protection shall be continuously maintained in such a manner and operated at such times for such periods as may be necessary to prevent a change in the channel of the Sacramento River in this vicinity.

(2) The Department of Fish and Game, the responsible local agency, which furnished assurance that the levee will be maintained and operated in accordance with regulations as set forth by The Reclamation Board and Department of Water Resources.

(3) A reserve supply of materials needed during a flood emergency shall be kept on hand at all times.

(4) No encroachment or trespass, which will adversely affect the efficient operation or maintenance of the levee shall be permitted on the protective facilities.

(5) No improvement shall be passed over, under, or through the levee, nor shall any excavation or construction be permitted within the limits of the levee, nor shall any change be made in the levee without prior determination by the State Reclamation Board, or its authorized representative, that such improvement, excavation, construction, or alteration will not adversely affect the functioning of the protective facility. Such improvements or alterations as may be found to be desirable and permissible under the above determination shall be constructed in accordance with standard engineering practice.

(6) The State Reclamation Board or its authorized representative shall have access at all times to all portions of the protective works.

(7) Maintenance measures or repairs which the State Reclamation Board deems necessary shall be promptly taken or made.

(8) The State Reclamation Board will furnish the Department of Fish and Game with an operation and maintenance manual for the authorized levee.

## 9. Care of Vegetation on the Levee

(1) A good growth of sod is the desired vegetative cover on the levee and should be encouraged by necessary maintenance practices.

(2) Brush, trees, and other wild obnoxious growth shall be cleared from the levee crown and slopes. This can be controlled by the use of proper herbicides. A strip of brush and small trees may be retained on the floodplain immediately next to the levee on the waterward side where necessary to prevent erosion and wavewash.

(3) Weeds, grasses and debris on the levee may be burned during the appropriate seasons where not dangerous or impracticable in order to permit the detection of cracks, holes, burrows, slips and other damage and to permit the extermination of burrowing animals. Burning permits shall be obtained from the proper local authority before burning is started.

## 10. Repairs to Levee Embankment

Fill needed to bring the levee section back to original cross section shall be placed in layers not exceeding 6 inches in thickness and compacted in accordance with the original specifications. The fill material shall be free from brush, roots, sod or other unsuitable material and be near optimum moisture content for compaction.

## 11. Depredations of Burrowing Animals

Burrowing animals such as muskrats, ground hogs, ground squirrels, moles and gophers found in the levee shall be exterminated after which the dens and runways should be opened up and backfilled with compacted material.

## Memorandum

8-F

To : Mr. A. E. McCollam  
Chief Engineer and General Manager  
The Reclamation Board  
1416 Ninth Street, Room 335  
Sacramento, California 95814

Date : OCT 23 1974

File No.:

Subject: Specification No. 74-53  
Contract No. C50158  
Emergency Levee Construction on the  
Sacramento River near Clear Creek  
Acceptance of the Work

From : Department of Water Resources

The work included in Contract No. C50158 for Emergency Levee Construction on the Sacramento River near Clear Creek, Shasta County was completed and I have accepted the work this date.

The accepted work is hereby transferred to the Reclamation Board.

  
Robert B. Jansen  
Deputy Director

8-F

REVISED BY BOARD MANAGER

Honorable G. Ray Arnett, Director  
Department of Fish and Game  
1416 - 9th Street, 12th Floor  
Sacramento, California

November 13, 1974

Specification No. 74-53  
Contract No. C50158  
Emergency Levee Construction on the  
Sacramento River near Clear Creek, Shasta County  
Transfer of Maintenance and Responsibility  
of Completed Work

A precompletion inspection of the subject levee construction on the left bank of the Sacramento River was conducted by the Department of Water Resources on October 18, 1974. Attending the inspection and representing the Department of Fish and Game were Messrs. Don Weidlein, Elton Bailey, Wayne Klein and John Hayes.

The constructed work was found to be satisfactory and in accordance with the contract plans and specifications and accepted from the contractor as complete.

The Reclamation Board, at its meeting of November 8, 1974, accepted the completed work from the Department of Water Resources and transferred the project to the Department of Fish and Game for maintenance and operation. This memorandum will serve as official notice of the transfer.

An Operation and Maintenance Manual will be prepared and furnished. Until the manual is furnished, a copy of Part 208, Chapter II of Title 33 of the Federal Register relating to maintenance and operation of flood control works is attached for your guidance. A newly constructed levee requires careful observation for the first two or three years and we, therefore, recommend that frequent inspections of this levee be made during the coming flood season.

A. E. McCOLLAM  
Chief Engineer and  
General Manager

GLA:RLM:mh  
Encl

cc: C. Mauck

**TITLE 11—NAVIGATION  
NAVIGABLE WATERS**

**Chapter 11—Corps of Engineers, War  
Department**

**PART 206—FLOOD CONTROL REGULATIONS  
MAINTENANCE AND OPERATION OF FLOOD  
CONTROL WORKS**

Pursuant to the provisions of section 3 of the Act of Congress approved June 22, 1936, as amended and supplemented (49 Stat. 1871; 50 Stat. 877; and 55 Stat. 838; 33 U. S. C. 701c; 701d-1), the following regulations are hereby prescribed to govern the maintenance and operation of flood control works:

**§ 206.10 Local flood protection works; maintenance and operation of structures and facilities.—(a) General.** (1) The structures and facilities constructed by the United States for local flood protection shall be continuously maintained in such a manner and operated at such times and for such periods as may be necessary to obtain the maximum benefits.

(2) The State, political subdivision thereof, or other responsible local Agency, which furnished assurance that it will maintain and operate flood control works in accordance with regulations prescribed by the Secretary of War, as required by law, shall appoint a permanent committee consisting of or headed by an official hereinafter called the "Superintendent," who shall be responsible for the development and maintenance of, and directly in charge of, an organization responsible for the efficient operation and maintenance of all of the structures and facilities during flood periods and for continuous inspection and maintenance of the project works during periods of low water, all without cost to the United States.

(3) A reserve supply of materials needed during a flood emergency shall be kept on hand at all times.

(4) No encroachment or trespass which will adversely affect the efficient operation or maintenance of the project works shall be permitted upon the right-of-way for the protective facilities.

(5) No improvement shall be passed over, under, or through the walls, levees, improved channels or floodways, nor shall any excavation or construction be permitted within the limits of the project right-of-way, nor shall any change be made in any feature of the works without prior determination by the District Engineer of the War Department or his authorized representative that such improvement, excavation, construction, or alteration will not adversely affect the functioning of the protective facilities. Such improvements or alterations as may be found to be desirable and permissible under the above determination shall be constructed in accordance with standard engineering practice. Advice regarding the effect of proposed improvements or alterations on the functioning of the project and information concerning methods of construction acceptable under standard engineering practice shall be obtained from the District Engineer or, if otherwise obtained, shall be submitted for his approval. Drawings or prints showing such improvements or alterations as finally constructed shall be furnished the District Engineer after completion of the work.

(6) It shall be the duty of the superintendent to submit a semiannual report to the District Engineer covering inspection, maintenance, and operation of the protective works.

(7) The District Engineer or his authorized representatives shall have access at all times to all portions of the protective works.

(8) Maintenance measures or repairs which the District Engineer deems necessary shall be promptly taken or made.

(9) Appropriate measures shall be taken by local authorities to insure that the activities of all local organizations operating public or private facilities connected with the protective works are coordinated with those of the Superintendent's organization during flood periods.

(10) The War Department will furnish local interests with an Operation and Maintenance Manual for each completed project, or separate useful part thereof, to assist them in carrying out their obligations under these regulations.

(b) **Levees.—(1) Maintenance.** The Superintendent shall provide at all times such maintenance as may be required to insure serviceability of the structures in times of flood. Measures shall be taken to promote the growth of sod, exterminate burrowing animals, and to provide for routine mowing of the grass and weeds, removal of wild growth and drift deposits, and repair of damage caused by erosion or other forces. Where practicable, measures shall be taken to retard bank erosion by planting of willows or other suitable growth on areas riverward of the levees. Periodic inspections shall be made by the Superintendent to insure that the above maintenance measures are being effectively carried out and, further, to be certain that:

(i) No unusual settlement, sloughing, or material loss of grade or levee cross section has taken place;

(ii) No caving has occurred on either the land side or the river side of the levee which might affect the stability of the levee section;

(iii) No seepage, saturated areas, or sand boils are occurring;

(iv) Toe drainage systems and pressure relief wells are in good working condition, and that such facilities are not becoming clogged;

(v) Drains through the levees and gates on said drains are in good working condition;

(vi) No revetment work or riprap has been displaced, washed out, or removed;

(vii) No action is being taken, such as burning grass and weeds during inappropriate seasons, which will retard or destroy the growth of sod;

(viii) Access roads to and on the levee are being properly maintained;

(ix) Cattle guards and gates are in good condition;

(x) Crown of levee is shaped so as to drain readily, and roadway thereon, if any, is well shaped and maintained;

(xi) There is no unauthorized grazing or vehicular traffic on the levees;

(xii) Encroachments are not being made on the levee right-of-way which might endanger the structure or hinder its proper and efficient functioning during times of emergency.

Such inspections shall be made immediately prior to the beginning of the flood season; immediately following each major high water period, and otherwise at intervals not exceeding 90 days, and such intermediate times as may be necessary to insure the best possible care of

the levee. Immediate steps will be taken to correct dangerous conditions disclosed by such inspections. Regular maintenance repair measures shall be accomplished during the appropriate season as scheduled by the Superintendent.

(2) **Operation.** During flood periods the levee shall be patrolled continuously to locate possible sand boils or unusual wetness of the landward slope and to be certain that:

(i) There are no indications of slides or sloughs developing;

(ii) Wave wash or scouring action is not occurring;

(iii) No low reaches of levee exist which may be overlapped;

(iv) No other conditions exist which might endanger the structure.

Appropriate advance measures will be taken to insure the availability of adequate labor and materials to meet all contingencies. Immediate steps will be taken to control any condition which endangers the levee and to repair the damaged section.

(c) **Flood walls.—(1) Maintenance.** Periodic inspections shall be made by the Superintendent to be certain that:

(i) No seepage, saturated areas, or sand boils are occurring;

(ii) No undue settlement has occurred which affects the stability of the wall or its water tightness;

(iii) No trees exist, the roots of which might extend under the wall and offer accelerated seepage paths;

(iv) The concrete has not undergone cracking, chipping, or breaking to an extent which might affect the stability of the wall or its water tightness;

(v) There are no encroachments upon the right-of-way which might endanger the structure or hinder its functioning in time of flood;

(vi) Care is being exercised to prevent accumulation of trash and debris adjacent to walls, and to insure that no fires are being built near them;

(vii) No bank caving conditions exist riverward of the wall which might endanger its stability;

(viii) The drainage systems and pressure relief wells are in good working condition, and that such facilities are not becoming clogged.

Such inspections shall be made immediately prior to the beginning of the flood season, immediately following each major high water period, and otherwise at intervals not exceeding 90 days. Measures to eliminate encroachments and effect repairs found necessary by such inspections shall be undertaken immediately. All repairs shall be accomplished by methods acceptable in standard engineering practice.

(2) **Operation.** Continuous patrol of the wall shall be maintained during flood periods to locate possible leakage at monolith joints or seepage underneath the wall. Floating plant or boats will not be allowed to lie against or tie up to the wall. Should it become necessary during a flood emergency to pass anchor cables over the wall, adequate measures shall be taken to protect the concrete and construction joints. Immediate steps shall be taken to correct any condition which endangers the stability of the wall.

(d) **Drainage structures.—(1) Maintenance.** Adequate measures shall be taken to insure that inlet and outlet channels are kept open and that trash, drift, or debris is not allowed to accumulate near drainage structures. Flap gates and manually operated gates and valves on

drainage structures shall be examined, and trial operated at least once every 90 days. Where drainage structures are provided with stop log or other emergency closures, the condition of the equipment and its housing shall be inspected regularly and a trial installation of the emergency closure shall be made at least once each year. Periodic inspections shall be made by the Superintendent to be certain that:

(i) Pipes, gates, operating mechanism, riprap, and headwalls are in good condition;

(ii) Inlet and outlet channels are open;

(iii) Care is being exercised to prevent the accumulation of trash and debris near the structures and that no fire is being built near bituminous coated pipes;

(iv) Erosion is not occurring adjacent to the structure which might endanger its water tightness or stability.

Immediate steps will be taken to repair damage, replace missing or broken parts, or remedy adverse conditions disclosed by such inspections.

(2) **Operation.** Whenever high water conditions impend, all gates will be inspected a short time before water reaches the invert of the pipe and any object which might prevent closure of the gate shall be removed. Automatic gates shall be closely observed until it has been ascertained that they are securely closed. Manually operated gates and valves shall be closed as necessary to prevent inflow of flood water. All drainage structures in levees shall be inspected frequently during floods to ascertain whether seepage is taking place along the lines of their contact with the embankment. Immediate steps shall be taken to correct any adverse condition.

(c) **Closure structures—(1) Maintenance.** Closure structures for traffic openings shall be inspected by the superintendent every 90 days to be certain that:

(i) No parts are missing;

(ii) Metal parts are adequately covered with paint;

(iii) All movable parts are in satisfactory working order;

(iv) Proper closure can be made promptly when necessary;

(v) Sufficient materials are on hand for the erection of sand bag closures and that the location of such materials will be readily accessible in times of emergency.

Tools and parts shall not be removed for other use. Trial erections of one or more closure structures shall be made once each year, alternating the structures chosen so that each gate will be erected at least once in each 3-year period. Trial erection of all closure structures shall be made whenever a change is made in key operating personnel. Where railroad operation makes trial erection of a closure structure infeasible, rigorous inspection and drill of operating personnel may be substituted therefor. Trial erection of sand bag closures is not required. Closure materials will be carefully checked prior to and following flood periods, and damaged or missing parts shall be repaired or replaced immediately.

(2) **Operation.** Erection of each movable closure shall be started in sufficient time to permit completion before flood waters reach the top of the structure sill. Information regarding the proper method of erecting each individual closure structure, together with an estimate of the time required by an experienced crew to complete its erection will be given

in the Operation and Maintenance Manual which will be furnished local interests upon completion of the project. Closure structures will be inspected frequently during flood periods to ascertain that no undue leakage is occurring and that drains provided to care for ordinary leakage are functioning properly. Dents or floating plant shall not be allowed to tie up to closure structures or to discharge passengers or cargo over them.

(c) **Pumping plants—(1) Maintenance.** Pumping plants shall be inspected by the Superintendent at intervals not to exceed 30 days during flood seasons and 90 days during off-flood seasons to insure that all equipment is in order for instant use. At regular intervals, proper measures shall be taken to provide for cleaning plant, buildings, and equipment, repainting as necessary, and lubricating all machinery. Adequate supplies of lubricants for all types of machines, fuel for gasoline or diesel powered equipment, and flash lights or lanterns for emergency lighting shall be kept on hand at all times. Telephone service shall be maintained at pumping plants. All equipment, including switch gear, transformers, motors, pumps, valves, and gates shall be trial operated and checked at least once every 90 days. Megger tests of all insulation shall be made whenever wiring has been subjected to undue dampness and otherwise at intervals not to exceed one year. A record shall be kept showing the results of such tests. Wiring disclosed to be in an unsatisfactory condition by such tests shall be brought to a satisfactory condition or shall be promptly replaced. Diesel and gasoline engines shall be started at such intervals and allowed to run for such length of time as may be necessary to insure their serviceability in times of emergency. Only skilled electricians and mechanics shall be employed on tests and repairs. Operating personnel for the plant shall be present during tests. Any equipment removed from the station for repair or replacement shall be returned or replaced as soon as practicable and shall be trial operated after reinstallation. Repairs requiring removal of equipment from the plant shall be made during off-flood seasons insofar as practicable.

(2) **Operation.** Competent operators shall be on duty at pumping plants whenever it appears that necessity for pump operation is imminent. The operator shall thoroughly inspect, trial operate, and place in readiness all plant equipment. The operator shall be familiar with the equipment manufacturers' instructions and drawings and with the "Operating Instructions" for each station. The equipment shall be operated in accordance with the above-mentioned "Operating Instructions" and care shall be exercised that proper lubrication is being supplied all equipment, and that no overheating, undue vibration or noise is occurring. Immediately upon final recession of flood waters, the pumping station shall be thoroughly cleaned, pump house sumps flushed, and equipment thoroughly inspected, oiled and greased. A record or log of pumping plant operation shall be kept for each station, a copy of which shall be furnished the District Engineer following each flood.

(g) **Channels and floodways—(1) Maintenance.** Periodic inspections of improved channels and floodways shall be made by the Superintendent to be certain that:

(i) The channel or floodway is clear of debris, weeds, and wild growth;

The channel or floodway is not being restricted by the depositing of waste materials, building of unauthorized structures or other encroachments;

(iii) The capacity of the channel or floodway is not being reduced by the formation of shoals;

(iv) Banks are not being damaged by rain or wave wash, and that no sloughing of banks has occurred;

(v) Riprap sections and deflection dikes and walls are in good condition;

(vi) Approach and access channels adjacent to the improved channel or floodway are sufficiently clear of obstructions and debris to permit proper functioning of the project works.

Duch inspections shall be made prior to the beginning of the flood season and otherwise at intervals not to exceed 90 days. Immediate steps will be taken to remedy any adverse conditions disclosed by such inspections. Measures will be taken by the Superintendent to promote the growth of grass on bank slopes and earth deflection dikes. The Superintendent shall provide for periodic repair and cleaning of debris basins, check dams, and related structures as may be necessary.

(2) **Operation.** Both banks of the channel shall be patrolled during periods of high water, and measures shall be taken to protect those reaches being attacked by the current or by wave wash. Appropriate measures shall be taken to prevent the formation of jams of ice or debris. Large objects which become lodged against the bank shall be removed. The improved channel or floodway shall be thoroughly inspected immediately following each major high water period. As soon as practicable thereafter, all snags and other debris shall be removed and all damage to banks, riprap, deflection dikes and walls, drainage outlets, or other flood control structures repaired.

(h) **Miscellaneous facilities—(1) Maintenance.** Miscellaneous structures and facilities constructed as a part of the protective works and other structures and facilities which function as a part of, or affect the efficient functioning of the protective works, shall be periodically inspected by the Superintendent and appropriate maintenance measures taken. Damaged or unserviceable parts shall be repaired or replaced without delay. Areas used for ponding in connection with pumping plants or for temporary storage of interior run-off during flood periods shall not be allowed to become filled with silt, debris, or dumped material. The Superintendent shall take proper steps to prevent restriction of bridge openings and, where practicable, shall provide for temporary raising during floods of bridges which restrict channel capacities during high flows.

(2) **Operation.** Miscellaneous facilities shall be operated to prevent or reduce flooding during periods of high water. These facilities constructed as a part of the protective works shall not be used for purposes other than flood protection without approval of the District Engineer unless designated therefor. (49 Stat. 1871, 50 Stat. 877; and 56 Stat. 638; 33 U.S.C. 701c; 701c-1) (Istus. 9 August 1944, CE GPEW1)

[LOCAL]

J. A. ULIO,  
Major General,  
The Adjutant General.

[F. R. Doc. 44-12265; Filed, August 16, 1944;  
8:46 a. m.]

EXHIBIT "A" Sheet 2 of 2

COOPERATIVE AGREEMENT BETWEEN STATE OF CALIFORNIA,  
DEPARTMENT OF FISH AND GAME, AND J. F. SHEA COMPANY, INC.  
FOR MAINTENANCE OF A SECTION OF LEVEE ON SACRAMENTO RIVER

This Agreement, made and entered into at Sacramento, California, this \_\_\_\_\_ day of \_\_\_\_\_, 1974, by and between the STATE OF CALIFORNIA, DEPARTMENT OF FISH AND GAME, hereinafter called the State, and the J. F. SHEA COMPANY, INC., a Corporation, hereinafter called the Company.

W I T N E S S E T H :

In consideration of the mutual benefits to be derived therefrom, the parties hereto agree as follows.

1. The Company shall maintain a levee to be constructed by the State on the State-owned real property as more particularly described in instrument recorded in Volume 1133, Page 230 of the Official Records of Shasta County, State of California, recorded August 29, 1972, a copy of which is hereby attached and made part hereof by this reference. For purpose of this part, maintenance of said levee is defined as follows:

- A. Control of wild growth by the use of selective sprays and the use of such sprays to be subject to the approval of State.
- B. Grade crown roadway for access.
- C. Maintain the levee to the constructed section and grade.
- D. Perform work to the standards therefor of the State Reclamation Board.

2. The Company will not be obligated to expend more than \$500.00 actual and direct cost per year, non-cummulative, for the term hereof in the course of its performing such maintenance.

3. In the event the Company estimates cost to exceed \$500.00 in any one year, the Company will immediately notify the State and inform the State of the basis thereof. The State will negotiate with the State Reclamation Board for funding as may be available for major levee repair, maintenance, or reconstruction work, but Company shall incur no cost nor be reimbursed therefor unless and until authorized in writing by the State to do so.

4. To the extent it may legally do so, the State agrees to indemnify and hold harmless the Company from any loss, damage, or liability that may result from the work performed hereunder.

5. Unless sooner terminated as herein provided, this agreement shall be for the term of five years commencing with the date hereof. This agreement may be terminated by either party giving written notice to the other party at least sixty (60) days next prior to the effective date of such termination.

6. All notices provided to be given, or which may be given, by either party to the other, shall be deemed to have been fully given when made in writing and deposited in the United States Mail, certified and postage prepaid, and addressed as follows:

To the State at:

Department of Fish and Game  
1416 Ninth Street  
Sacramento, California 95814

To the Company at:

J. F. Shea Co., Inc.  
1290 Smith Road  
Redding, California 96001

Nothing herein contained shall preclude the giving of any such written notice by personal service. The address to which notices shall be mailed as aforesaid to either party may be changed by written notice given by such party to the other, as hereinbefore provided.

IN WITNESS WHEREOF, this agreement has been executed by and on behalf of the parties hereto as of the day and year first above written.

STATE OF CALIFORNIA  
DEPARTMENT OF FISH AND GAME

J. F. SHEA COMPANY, INC.

By \_\_\_\_\_

By \_\_\_\_\_

When Recorded Mail To:  
State of California  
Department of General Services  
Real Estate Services Division  
915 Capitol Mall, Room 110  
Sacramento, California 95814

17194

02-Sha-5 11.1  
Parcel 4188

RECORDED AT REQUEST OF  
Dept. of Gen. Services  
st 29 min. past 1 P.M.  
OFFICIAL RECORDS SHASTA COUNTY, CALIF.  
AUG 29 1972  
Volume 1133, Page 230  
*Michael Montgomery*

AGREEMENT FOR THE TRANSFER OF CONTROL  
AND POSSESSION OF STATE-OWNED REAL PROPERTY

Fee No Fee

This Agreement entered into this 14<sup>th</sup> day of July, 1972,  
by and between the Department of Public Works, hereinafter called  
Transferor and the Department of Fish and Game, hereinafter called  
Transferee, with the approval of the Director of General Services,

WITNESSETH:

WHEREAS, Transferor has control and possession of the hereinafter  
described real property, and

WHEREAS, Transferee desires to acquire control and possession of  
said real property and Transferor is willing to transfer said  
control and possession;

NOW THEREFORE, pursuant to the provisions of Section 14673 of  
the Government Code of the State of California, Transferor hereby  
transfers unto Transferee and Transferee accepts the control and  
possession of the real property situated in the County of Shasta,  
State of California, described as follows:

That certain parcel of land conveyed to the State of  
California by deed from L. C. Smith, recorded September 17,  
1958 in Book 577 of Official Records at page 133, Shasta  
County Records, described in said deed as follows:

"A portion of Section 30, T. 31 N., R. 4 W., M.D.M.,  
described as follows:

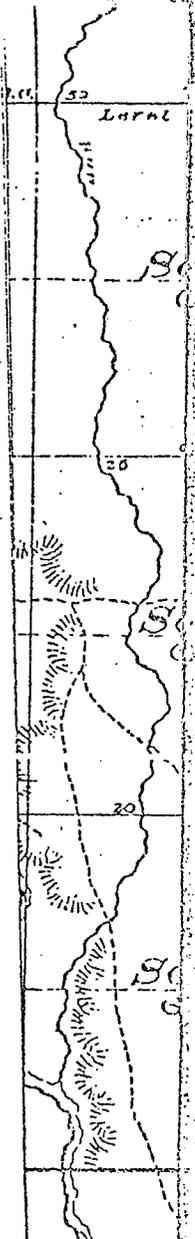
Beginning at a concrete monument with an aluminum disk  
marked State of California, and from which the north-  
east corner of said Section 30 bears N. 28°16'44" E.,  
3779.03 feet;

thence, South 965.58 feet to a concrete monument with an  
aluminum disk marked State of California;

thence, S. 82°39'32" W., 2030 feet, more or less, to the  
east bank of the Sacramento River;

thence, along said east bank, northeasterly to a point  
which bears N. 65°56'14" W., 700 feet, more or less,  
from the Point of Beginning.

Containing 42.50 acres, more or less.



Contract
2 <sup>nd</sup> 1854
" "
Smith
1 <sup>st</sup> 1856
22741884
" "
" "

STATE OF CALIFORNIA - OFFICIAL BUSINESS  
Document entitled to free recording  
pursuant to Gov't. Code Sec. 6103

Together with the right to locate and occupy a haul road easement which will be approximately 40 feet in width, and to construct therein a two-way roadway, suitable to serve a materials processing and removal operation, only across the lands of the grantor in the E. 1/2 of said Section 30 and the W. 1/2 of Section 29, T. 31 N., R. 4 W., M.D.M., from the above-described parcel to the end of Niles Lane or to the end of any county road which may be constructed in an East-West direction between Niles Lane and Smith Road."

IN CONSIDERATION for said transfer, Transferee agrees to pay Transferor the sum of \$2,125.00.

IN WITNESS WHEREOF, the parties hereto have executed this agreement the date first above written.

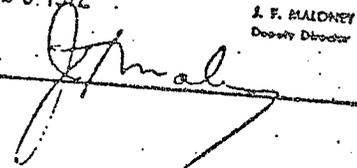
STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
JAMES A. MOE, Director

STATE OF CALIFORNIA  
DEPARTMENT OF FISH AND GAME

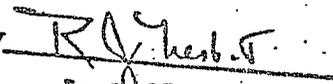
JUN 26 1972

J. F. MALONEY  
Deputy Director

By



By

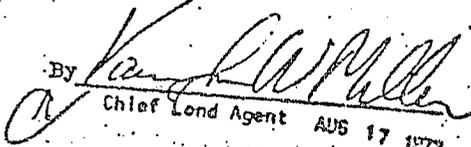


Executive Officer

Wildlife Commission Board

APPROVED:  
Director of General Services

By



Chief Land Agent AUG 17 1972

ALBERTO CO.

BOOK 1133 PAGE 231

Contract
124 1854
" "
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