Attachment E. Original Suisun Marsh Preservation Agreement

SUISUN MARSH PRESERVATION AGREEMENT
Among
United States Bureau of Reclamation,
California Department of Water Resources,
California Department of Fish and Game, and
Suisun Resource Conservation District

THIS AGREEMENT, dated this 2 day of March, 1987, is hereby entered into among the United States Bureau of Reclamation (USBR), California Department of Water Resources (DWR), the California Department of Fish and Game (DFG), and the Suisun Resource Conservation District (SRCD), and supersedes that contract for the Initial Facilities dated December 18, 1978.

R E C I T A L S

(a) In Section 29002 of the Public Resources Code, the California Legislature has found and declared that the Suisun Marsh (Marsh) represents a unique and irreplaceable resource to the people of the State and the Nation and that it is the policy of the State to preserve and protect resources of this nature for the enjoyment of the current and succeeding generations. Further, Section 29003 of the Public Resources code provides that in order to preserve the integrity and assure continued wildlife use of the Marsh, including the preservation of its waterfowl carrying capacity and retention of the diversity of its flora and fauna, there is a need for the following:

(1) Provisions for establishment and maintenance of adequate water quality.

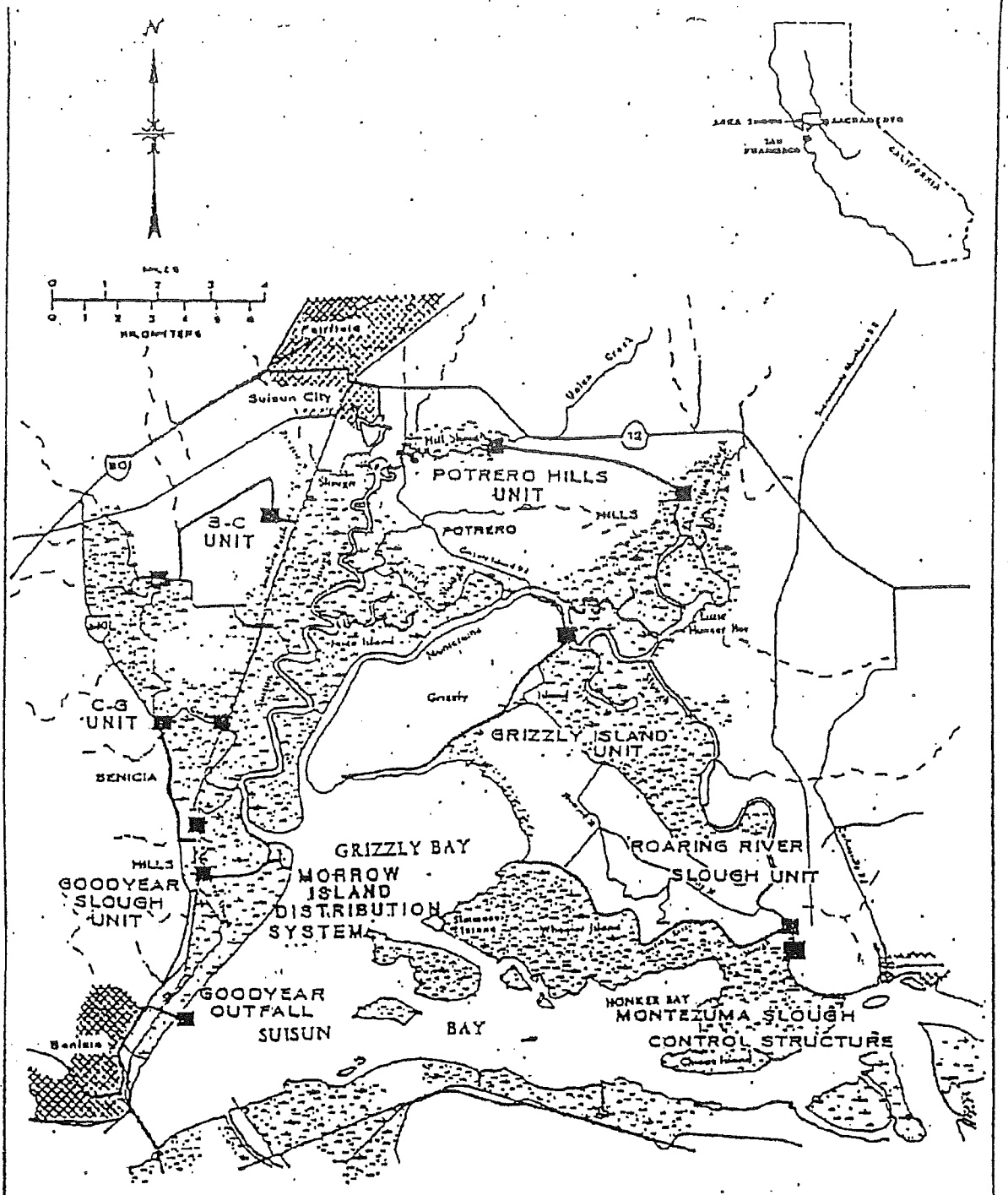
(2) Improvement of present water management practices, including drainage and other water control facilities within the Marsh.

(3) Establishment of criteria for the production of valuable waterfowl food plants.

(4) Provisions for future supplemental water supplies and related facilities to assure that adequate water quality will be achieved within the wetland areas.

These concerns have been recognized in the Plan of Protection (Plan) developed by DWR.

(b) Public Law 99-546 authorizes the USBR to participate in the preservation of the Marsh. The value of preserving wetlands is recognized in Presidential Executive Order 11990 (Protection of Wetlands) dated May 24, 1977.



CONCEPTUAL PLAN OF THE
SUISUN MARSH OVERALL FACILITIES

OVERALL FACILITIES

I. Roaring River Slough Unit (Constructed)

A. Intake Facilities, including fish screens, control gates, culverts, tide gates, and the levee and road over the culverts.

B. Hammond Island Reservoir, 40 acres in the southeast corner of DF&G property adjacent to Montezuma Slough and Roaring River and the levees surrounding the reservoir.

C. Roaring River channel, including its north and south levees, the Mud Slough arm, including its north and south levees, and the crossing structures.

D. Wheeler Island boat ditches, levee and control gates.

E. Individual Ownership water intake and discharge facilities. These facilities include control gated culverts and access thereto.

F. A drainage facility, consisting of a control gated culvert.

II. Goodyear Slough Unit (Constructed)

A. Goodyear Slough Outfall, including a structure consisting of culverts with control gates discharging to a channel dredged from Goodyear Slough to the Bay.

B. Morrow Island Distribution System, including an intake structure consisting of a levee with control gated culverts through it, a ditch with levees on both sides, outlet structures consisting of levees with control gated culverts through them and access thereto.

C. Individual Ownership water intake facilities. These facilities include control gated culverts and access thereto.

D. The drainage facilities from the certain Individual Ownerships. These facilities include control gated culverts and access thereto.

E. The pond levee with flow controlled culverts north of Morrow Island Ditch.

III. Montezuma Slough Control Structure

A. Three radial gates, a boat lock 20 feet wide, and a flashboard opening 66 feet wide.

IV. Grizzly Island Unit

A. Intake Facilities, including fish screens, control gates, culverts, tide gates and the levee and road over the culverts.

B. Reservoir, 120 acres regulating reservoir.

C. Grizzly Island channel, including its north and south levees.

D. Lateral water supply ditches, including their east and west levees.

E. Individual Ownership water intake and discharge facilities. These facilities include control gated culvert(s) and access thereto.

V. Potrero Hills Unit

A. Intake and outlet facilities, including control gates, culverts, the levee and road over the culverts.

B. Potrero Hills channel, including its north and south levees and the crossing structures.

C. Ponds, two 15 acre ponds.

D. Necessary dredging in Luco and Hill Sloughs.

VI. Cordelia-Goodyear Unit Ditch

A. Intake and outlet facilities, including control structures, control gates, culverts, tide gates, and the levees and road over the culverts.

B. Cordelia-Goodyear channel, including its east and west levees and crossing structures.

C. Pond, one 20 acre pond.

D. Provision to handle storm runoff from the existing highway culverts.

E. Individual Ownership intake and discharge facilities. These facilities include control gated culvert(s) and access thereto.

F. Goodyear Slough Control Structure, including control gates and the levee and road over structure.

VII. Cygnus Unit

A. Drain facility consisting of 36-inch culvert, gate and flashboard riser on Individual Ownership No. 415.

VIII. Boynton-Cordelia Ditch Unit

A. Intake and outlet facilities, connection from Fairfield Suisun Sanitary District treatment plant.

B. Boynton Cordelia channel, including north and south levees, Chadbourne Road crossing structure and two siphons.

C. Necessary dredging in Boynton Slough relocation of Reclamation Ditch, provision of facility to handle sheet runoff.

IX. Lower Joice Island Unit

A. Fill facility consisting of 36-inch culvert and gate on Individual Ownership No. 424.

B. Connection to existing distribution system on Individual Ownership No. 424.

X. Annie Mason Island Unit

A. Installation of a diesel powered pump on Individual Ownership No. 801.

B. Connection to existing distribution system on Individual Ownership No. 801.

XI. Van Sickle/Chipps Island Unit (to be constructed when and if needed).

XII. Individual Ownership Facilities

A. Individual Ownership water management facilities as provided for in Article 7 of the Agreement.

RESPONSIBILITY FOR SUISUN MARSH PLAN OF PROTECTION FACILITIES

Item	Design	Construction	Operate	Maintain
Montezuma Slough Control Structure				
All facilities	DWR	DWR	DWR	DWR
Grizzly Island Unit				
Intake structure	DWR	DWR	DWR	DWR
Fish screens	DWR	DWR	DWR	DWR
Ditch (including pond)	DWR	DWR	--	DWR
Laterals	DWR	DWR	--	DWR
Levees 2/	DWR	DWR	--	DWR
Crossing structures	DWR	DWR	--	DWR/County 6/
Turnouts	DWR 1/	DWR 1/	Landowner	Landowner 4/
Potrero Hills Unit				
Intake and outlet structures including dredging in Luco and Hill Sloughs	DWR	DWR	DWR	DWR
Ditch	DWR	DWR	--	DWR
Crossing structures	DWR	DWR	--	DWR/County 6/
Cordelia-Goodyear Unit				
Intake and outlet structures	DWR	DWR	DWR	DWR
Ditch (including ponds)	DWR	DWR	--	DWR
Laterals	DWR	DWR	--	DWR
Levees	DWR	DWR	--	DWR
Crossing structures	DWR	DWR	--	DWR/County 6/
Turnouts	DWR 1/	DWR 1/	Landowner	Landowner 4/
Goodyear Slough Control Structure	DWR	DWR	DWR	DWR
Boynton-Cordelia Unit 5/				
Intake and outlet structures	DWR	DWR	DWR	DWR
Ditch	DWR	DWR	--	DWR
Levees	DWR	DWR	--	DWR
Crossing structures	DWR	DWR	--	DWR

Item	Design	Construction	Operate	Maintain
Cygnus Unit				
Turnouts	DWR 1/	DWR 1/	Landowner	Landowner
Roaring River Unit				
Intake structures	DWR	DWR	DWR	DWR
Fish screens	DWR	DWR	DWR	DWR
Modified Channel (including pond)	DWR	DWR	--	DFG/DWR 3/
Levees 2/	DWR	DWR	--	DWR
Laterals	DWR	DWR	DWR	DWR
Crossing structures	DWR	DWR	Landowner	Landowner 4/
Turnouts	DWR 1/	DWR 1/		
Goodyear Slough Unit				
Intake structure	DWR	DWR	DWR	DWR
Outfall structure	DWR	DWR	DWR	DWR
Channel	DWR	DWR	--	DWR
Morrow Island Distribution System 2/	DWR	DWR	--	DWR
Turnouts and drainage facilities	DWR 1/	DWR 1/	Landowner	Landowner 4/
Lower Joice Island Unit				
Turnout	DWR	DWR	Landowner	Landowner 4/
Connection to the existing distribution system	DWR	DWR	--	DWR
Annie Mason Island Unit				
Pump	DWR	DWR	Landowner	DWR
Connection to the existing distribution system	DWR	DWR	--	DWR
Van Sickle/Chipps Island Unit	To be determined if constructed			

1/ Specific turnou. . and drain gates to be ide ified on design plans.

2/ Main channel water control levees only.

3/ DFG shall be responsible for maintaining the North Levee on Roaring River except for subsidence which prevents the Roaring River Unit from meeting its design purposes.

4/ DWR and USBR shall correct any deficiency due to design or construction which prevents any water facility from passing its design flow rate until May of the third operating season after the water facility Becomes Operational. After this period, all necessary corrections shall be the responsibility of the landowner of the Individual Ownership.

5/ An outfall is to be constructed to the Boynton-Cordelia pond from its treatment plant by Fairfield-Suisun Sanitary District (FSSD) at its expense.

6/ To be determined by separate agreement.