

State of California  
WILDLIFE CONSERVATION BOARD  
Minutes, Meeting of September 23, 1959

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State of California  
WILDLIFE CONSERVATION BOARD  
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Pursuant to the call of the Chairman, the Wildlife Conservation Board met in Room 4061, 722 Capitol Avenue, Sacramento, California, on September 23, 1959. The meeting was called to order by Chairman T. H. Richards, Jr., at 1:40 p.m.

1. Roll Call

<u>PRESENT:</u>	T. H. Richards, Jr.	Chairman
	William E. Warne	Member of the Board
	T. H. Mugford	Vice Mr. Carr, Department of Finance
	Senator Charles Brown	Joint Interim Committee
	Senator Ed C. Johnson	Joint Interim Committee
	Assemblyman Frank P. Belotti	Joint Interim Committee
	Assemblyman Lloyd W. Lowrey	Joint Interim Committee
	R. J. Nesbit	Coordinator
	(Vacant)	Assistant Coordinator
	P. A. Douglas	Field Agent
	June Davis	Secretary
	Alpha K. Phelps	Accounting Technician
<u>ABSENT:</u>	Senator J. William Beard	Joint Interim Committee
	Assemblywoman Pauline L. Davis	Joint Interim Committee

OTHERS PRESENT:

Leland G. Bennett	Ventura River Municipal Water District
Bill Scheuermann	Assembly Fish and Game Committee
Alan Pattee	Assemblyman, 34th District
L. W. Wiley	Nacimiento Dam Comm.
Ed De Mars	Monterey County
Paul W. Poulos	Mendocino County Supervisor
Kent H. Lihme	Monterey County
Kenneth Sampson	Orange County
Richard M. Wilson	Grizzly Island Ranch Foreman
Mrs. Richard M. Wilson	Grizzly Island
William L. Trost	Grizzly Island Rancher
C. V. Vaughan	Grizzly Island Rancher
R. E. Graham	City of San Diego
Mike Pellock	Merced-Mariposa County
Pat Cosentino	Merced County

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W. C. Dry	Department of Fish and Game
A. L. Nielsen	Department of Fish and Game
W. K. Lythgoe	Sacramento Bee
R. E. Hartley	Oakdale Irrigation District
E. A. Ruoff	Tuolumne County Road Department
N. E. Collins	Oakdale Irrigation District
Paul Hunt	Oakdale Irrigation District
John J. Muzio	Tuolumne County Chamber of Commerce
Earl Purdy	Tuolumne County Chamber of Commerce
H. Buler	Madera County
Lester J. Gendron	Madera County District Attorney
Joseph A. Cappelluti	Madera County Recreation Commission
Paul Christoffersen	Madera County Supervisor
LeRoy E. Bailey	President, Madera County Sportsmen's Club
Alan C. Brown	Madera County
Alvin J. Phillips	Crescent City Harbor Commission
Darold G. Richcreek	Crescent City Harbor Commission
Jack A. Harper	Crescent City Harbor Commission
Raymond E. Church	Solano County Supervisor
Guy C. Kulstad	Solano County Road Department
A. L. Lopes	Solano County Supervisor
W. A. Jones	Solano County Road Department
John G. Carlisle, Jr.	Department of Fish and Game
R. S. Golden	Department of Finance
H. M. Russo	Department of Fish and Game
William J. Hart	Department of Fish and Game
Harry Anderson	Department of Fish and Game
J. M. Talbot	Birds Landing, California
Herbert Russ	Ferndale, California

2. Introduction of Members and Advisory Committee

Chairman Richards introduced the Wildlife Conservation Board and Legislative Advisory Committee members.

3. Approval of Minutes, May 11, 1959 and June 1, 1959

Mr. Nesbit recommended that the minutes of the May 11, 1959 and June 1, 1959 meetings be approved.



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IT WAS MOVED BY MR. MUGFORD, SECONDED BY MR. WARNE,  
AS A JOINT MOTION, THAT THE MINUTES OF THE WILDLIFE  
CONSERVATION BOARD MEETINGS OF MAY 11, 1959 AND  
JUNE 1, 1959 BE APPROVED AS WRITTEN.

PASSED UNANIMOUSLY.

4. Status of Funds as of July 1, 1959

The amount allocated to specific projects as of the close of the meeting  
on May 11, 1959, aggregated \$14,615,248.65.

a.	Fish Hatchery and Stocking Projects . . . . .	\$ 4,276,933.61
b.	Warmwater and Other Fish Projects . . . . .	2,400,990.01
	1. Warmwater Projects . . . . .	\$ 2,013,958.81
	2. Other Fish Projects . . . . .	387,031.20
c.	Flow Maintenance and Stream Improvement Projects . . . . .	582,890.87
d.	Screen and Ladder Projects . . . . .	283,579.31
e.	State Game Farms . . . . .	105,644.49
f.	Other Upland Game Projects . . . . .	416,530.84
g.	Waterfowl Management Projects . . . . .	5,525,548.78
h.	General Projects . . . . .	998,130.74
	1. Coastal Angling Access Projects . . . . .	\$ 292,222.65
	2. Inland Angling Access Projects . . . . .	554,170.07
	3. Other General Projects . . . . .	151,738.02
	Total Allocated to Specific Projects . . . . .	\$14,590,248.65

Special Project Allocations:

Project Evaluation, Property Acquisition and Engineering Studies . . . . .	\$ 25,000.00
Total Allocated . . . . .	\$14,615,248.65

In addition to the specific allocations above,  
the following reserves have been established:

1. Colorado River Recreational Development . . . . .	\$ 23,219.30
2. Lake Tahoe Access Development . . . . .	30,000.00
3. Ice House Reservoir Development . . . . .	100,000.00
Total Reserves Established . . . . .	\$ 153,219.30

Operating Costs:

FY 47/48 thru 58/59 - Actual . . . . .	\$ 540,903.54
FY 59/60 - Estimated . . . . .	82,077.00
Total Actual and Estimated Operating Costs . . . . .	\$ 622,980.54

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Recapitulation:

Allocations for Projects . . . . .	\$14,590,248.65
Special Project Allocations . . . . .	25,000.00
Reserves Established . . . . .	153,219.30
Expenses of Operation . . . . .	622,980.54
Total Expended or Obligated . . . . .	\$15,391,448.49

Total Funds Appropriated . . . . . \$15,000,000.00

Appropriation Available

thru 59/60 FY . . . . . 750,000.00

Interest on Surplus Money Invested

thru 58/59 FY . . . . . 365,301.14

Miscellaneous Revenue

thru 58/59 FY . . . . . 30,265.10

Total Sum Available . . . . . \$16,145,566.24

Total Expended or Obligated . . . . . 15,391,448.49

Available thru June 30, 1960 . . . . . \$ 754,117.75

5. Recovery of Funds

Mr. Nesbit suggested Agenda Item of Recovery of Funds on Project No. 1, El Dorado Flow Maintenance Dams, be deferred because of certain obligations outstanding. The Board concurred and deferred action on this project.

Mr. Nesbit recommended recovery of \$180.50 and closure of Project No. 19, San Joaquin Hatchery.

IT WAS MOVED BY ASSEMBLYMAN BELOTTI, SECONDED BY SENATOR JOHNSON, THAT THE JOINT INTERIM COMMITTEE RECOMMEND THE WILDLIFE CONSERVATION BOARD AUTHORIZE RECOVERY TO THE WILDLIFE RESTORATION FUND BALANCES AND THE CLOSING OF PROJECT NO. 19, SAN JOAQUIN HATCHERY.

PASSED UNANIMOUSLY.

IT WAS MOVED BY MR. MUGFORD, SECONDED BY MR. WARNE, THAT THE WILDLIFE CONSERVATION BOARD RECOVER TO THE WILDLIFE RESTORATION FUND BALANCES AND CLOSE PROJECT NO. 19, SAN JOAQUIN HATCHERY.

PASSED UNANIMOUSLY.

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Mr. Nesbit recommended the recovery of \$3,314.41 from Project No. 1015, Coastal Lagoon Development Program, and the project to remain open.

IT WAS MOVED BY ASSEMBLYMAN BELOTTI, SECONDED BY SENATOR JOHNSON, THAT THE JOINT INTERIM COMMITTEE RECOMMEND THE WILDLIFE CONSERVATION BOARD AUTHORIZE RECOVERY TO THE WILDLIFE RESTORATION FUND \$3,314.41 FROM PROJECT NO. 1015, COASTAL LAGOON DEVELOPMENT PROGRAM, THE PROJECT TO REMAIN OPEN.

PASSED UNANIMOUSLY.

IT WAS MOVED BY MR. MUGFORD, SECONDED BY MR. WARNE, THAT THE WILDLIFE CONSERVATION BOARD RECOVER TO THE WILDLIFE RESTORATION FUND \$3,314.41 FROM PROJECT NO. 1015, COASTAL LAGOON DEVELOPMENT PROGRAM, THE PROJECT TO REMAIN OPEN.

PASSED UNANIMOUSLY.

Mr. Nesbit presented an item not on the Agenda but ready for Board action. It concerned Project No. 22, Crystal Lake Hatchery. He explained the sum of \$24,227.00 was authorized by the Legislature at the 1953 session to repay the Capital Outlay and Savings Fund from which fund this amount was used for the project to meet the estimated construction cost which exceeded the Wildlife Conservation Board allocation by this amount. This sum was reimbursed by transfer from the Wildlife Restoration Fund to the Capital Outlay and Savings Fund, June, 1954. When the project was completed, a savings on construction cost of \$1,717.47 was returned to the Capital Outlay and Savings Fund instead of to the Wildlife Restoration Fund.

Legislative action at the past session just completed remedied this problem. Chapter 1300, Statutes of 1959, Section 15, authorizes transfer as of July 1, 1959, from the Capital Outlay and Savings Fund to the Wildlife Restoration Fund the amount of \$1,717.47.

Crystal Lake Hatchery, Project No. 22, can now be closed; the transfer of the \$1,717.47 construction savings to the Wildlife Restoration Fund reduced the total expenditure for this project from \$272,299.43 to an actual expenditure of \$270,581.96.

IT WAS MOVED BY ASSEMBLYMAN BELOTTI, SECONDED BY SENATOR JOHNSON, THAT THE JOINT INTERIM COMMITTEE RECOMMEND THE WILDLIFE CONSERVATION BOARD CLOSE THE COMPLETED PROJECT NO. 22, CRYSTAL LAKE HATCHERY, FOR WHICH THE EXPENDITURES FOR THE CONSTRUCTION HAVE BEEN ADJUSTED IN THE AMOUNT OF \$1,717.47, SAVINGS ON THE CONSTRUCTION COST, RETURNED TO THE WILDLIFE RESTORATION FUND FROM THE CAPITAL OUTLAY AND SAVINGS FUND BY THE BUDGET ACT OF 1959, CHAPTER 1300, SECTION 15.

PASSED UNANIMOUSLY.

IT WAS MOVED BY MR. MUGFORD, SECONDED BY MR. WARNE, THAT THE WILDLIFE CONSERVATION BOARD CLOSE THE COMPLETED PROJECT NO. 22, CRYSTAL LAKE HATCHERY, FOR WHICH THE EXPENDITURES FOR THE CONSTRUCTION HAVE BEEN ADJUSTED IN THE AMOUNT OF \$1,717.47, SAVINGS ON THE CONSTRUCTION COST, RETURNED TO THE WILDLIFE RESTORATION FUND FROM THE CAPITAL OUTLAY AND SAVINGS FUND BY THE BUDGET ACT OF 1959, CHAPTER 1300, SECTION 15.

PASSED UNANIMOUSLY.

6. Tulloch Reservoir Public Fishing Area, Project No. 136 \$117,600  
Tuolumne and Calaveras Counties

117,600  
+ 8,200  
125,800

At the December 11, 1958 meeting, the Board allocated \$8,200 for the purchase of 46.31 acres covering about 1½ miles of shoreline along this new reservoir. This reservoir is owned by the Oakdale and South San Joaquin Irrigation Districts. No public access now exists other than several small parcels of land without access roads. The land acquisition authorized would provide a permanent public access facility at this fine warmwater fishing reservoir.

The County of Tuolumne has agreed to provide the maintenance and operation of this public area if developed by the State. The area for development is all in Tuolumne County. The reservoir is in both Calaveras and Tuolumne Counties. In addition to the private land being purchased, another parcel owned by the U. S. Government is necessary for proper development. The Bureau of Land Management has agreed to sell this parcel of 15.75 acres to the State for \$260 plus advertising and processing costs which should make this acquisition less than \$350.



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The Tuolumne County Road Department made the plans, designs and cost estimates on the access road to the area. Other development plans have been designed and estimated by the Department of Fish and Game Engineering Section.

The cost estimates are as follows:

Clear and Grub	Lump Sum	\$ 1,500.00
Roadway Excavation	1.25 C.Y. 27,000	33,750.00
Structure Excavation	4.00 260 C.Y.	1,040.00
Water in Place	2.50 1,210 M. Gal.	3,025.00
Ditch and Channel Excavation	2.50 80 C.Y.	200.00
I.B.M. Approved (base material)	5.00 3,500 Tons	17,500.00
SC <sub>2</sub> Penetration (road oil)	60.00 43 Tons	2,580.00
Structure back fill	4.00 170 C.Y.	680.00
18" C.M.P. (drain pipe)	6.50 658 L.F.	4,277.00
24" C.M.P. (drain pipe)	8.00 42 L.F.	336.00
36" C.M.P. (drain pipe)	10.00 78 L.F.	780.00
8" P.M.P. (drain pipe)	3.00 200 L.F.	600.00
Filter Material	6.00 50 Tons	300.00
Cleanup and Finish right of way	Lump Sum	600.00
Construction engineering, inspection and supervision		6,717.00
		<u>\$73,885.00</u>
	Contingencies	3,694.25
	SUB-TOTAL	<u>\$77,579.25</u>
Fence and Cattle Guard		
Fence 3000' @ .52		1,560.00
Cattle guard in place		800.00
Sanitary Facilities, one unit, concrete block with corrugated metal roof, septic tank		8,000.00
Redwood water storage tank, 5,000 gallons, installed		2,000.00
Pipe line, 1½", 800 feet, installed		1,200.00
Well, 175 feet by 6 inches, with gasoline driven pump to produce 10 gpm		1,500.00
Launching ramp, concrete 300 feet by 24 feet, complete, at \$1.80 sq. ft., including grading		13,100.00
Parking area, graded with 3" river run gravel surface 40,000 sq. ft. at \$ 0.15		6,000.00
Fish cleaning table		200.00
	Contingencies	2,300.00
	SUB-TOTAL	<u>\$36,660.00</u>
Acquire 15.75 acres U. S. Government land		350.00
Repaying of Project #2500 - for property surveys, title reports, appraisals, preliminary plans, road design, etc.		3,000.00
	TOTAL	<u>\$117,589.25</u>

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It was recommended by Mr. Nesbit that this request receive favorable consideration. Director Warne, of the Department of Fish and Game, spoke on the project and projected the future fishery expected. He explained that reservoirs such as these will be very productive the first few years and will stabilize to less productivity after that time. He explained a management program for such reservoirs is expected to be started next year. Mr. Warne said he had seen the reservoir and the Department of Fish and Game recommended the project.

Mr. Richards raised the question of charges and it was explained that charges were not to be made for State developed facilities. Mr. Ralph Thiel, Board of Supervisors, Tuolumne County, explained the project and answered questions directed to him. Chairman Richards and Senator Brown raised the question of County participation and Mr. Thiel explained the reservoir would be used largely by out-of-County users and that the obligation of the County for patrol of the reservoir and maintenance of the facility was a big one for their small County and that no matching funds were available.

Mr. Richards asked if satisfactory speed zones would be set up to protect fishermen before the construction is authorized. Mr. Nesbit answered that the zones were not finalized but we were near agreement with the County.

IT WAS MOVED BY ASSEMBLYMAN BELOTTI, SECONDED BY SENATOR BROWN, THAT THE JOINT INTERIM COMMITTEE RECOMMEND THE WILDLIFE CONSERVATION BOARD ALLOCATE \$117,600 FROM THE WILDLIFE RESTORATION FUND TO THE DEPARTMENT OF FISH AND GAME FOR THE DEVELOPMENT OF TULLOCH RESERVOIR PUBLIC FISHING AREA, PROJECT NO. 136, SUBSTANTIALLY IN ACCORDANCE WITH PLANS AND PROCEED UNDER SECTION 1350 OF THE FISH AND GAME CODE, OR BY CONTRACT SECURED BY BIDS CIRCULATED BY THE DEPARTMENT OF FISH AND GAME, AND IN ADDITION AUTHORIZE THE DEPARTMENT TO OBTAIN FROM THE BUREAU OF LAND MANAGEMENT THE PARCEL OF APPROXIMATELY 15.75 ACRES NECESSARY FOR THE ACCESS TO THE RESERVOIR.

PASSED UNANIMOUSLY.

IT WAS MOVED BY MR. WARNE, SECONDED BY MR. MUGFORD, THAT THE WILDLIFE CONSERVATION BOARD ALLOCATE \$117,600 FROM THE WILDLIFE RESTORATION FUND TO THE DEPARTMENT OF FISH AND GAME FOR THE DEVELOPMENT OF TULLOCH RESERVOIR PUBLIC FISHING AREA, PROJECT NO. 136, SUBSTANTIALLY IN ACCORDANCE WITH PLANS AND PROCEED UNDER SECTION 1350 OF THE FISH AND GAME CODE, OR BY CONTRACT SECURED BY BIDS CIRCULATED BY THE DEPARTMENT OF FISH AND GAME, AND IN ADDITION AUTHORIZE THE DEPARTMENT TO OBTAIN FROM THE BUREAU OF LAND MANAGEMENT THE PARCEL OF APPROXIMATELY 15.75 ACRES NECESSARY FOR THE ACCESS TO THE RESERVOIR.

PASSED UNANIMOUSLY.

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Chairman Richards asked that Item 11 on  
the Agenda be considered at this time

7. Montezuma Slough Bridge - Delta Waterfowl Management Area, \$72,000  
Project No. 550, Solano County

Mr. Nesbit stated the Solano County Board of Supervisors, by action taken September 1, 1959, requested consideration of this project. The project proposed is the construction of a bridge across Montezuma Slough to Grizzly Island. The County of Solano will pay one half the cost of this structure and has agreed to maintain it. He outlined previous action taken on this project as follows:

March 30, 1950

The Grizzly Island Waterfowl Management Area was acquired with Wildlife Conservation Board funds. (Two ferry access points were available at this time, one at the north end at Belden's, and another at the south end. At the time of acquisition it was known that an access problem existed, and that Solano County was endeavoring to stop service on the so-called south ferry.)

July 12, 1950

The Wildlife Conservation Board allocated \$67,500 for a Grizzly Island access bridge conditionally upon Solano County cooperating and supplying matching funds.

October, 1950

The Grizzly Island Waterfowl Management Area operated as a public shooting ground, accommodating 4,564 hunters.

1950-51 and 1951-52 Waterfowl Seasons

Two ferries supplied access to Grizzly Island.

Early 1952

The south ferry was discontinued by Solano County.

1952-53 and Following Waterfowl Seasons

From this date hunter access to Grizzly Island has been supplied entirely by the north ferry. The hunter concentration problem was especially acute in 1952. It was handled in part by restrictions on hunter numbers and by regulating hunter line-ups in 1953, 1954 and subsequent years.



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1953

The Bridge Department made engineering plans and surveyed the slough bottom at the Belden site.

March 4, 1954

A formal request was made jointly by the Department of Fish and Game and Solano County to the U. S. Corps of Engineers for approval of plans for a bridge across Montezuma Slough at Belden's Landing.

The Department of Fish and Game and Solano County jointly requested a right-of-way at Belden's Landing from the State Lands Commission for the Montezuma Slough Bridge.

October 22, 1956

The U. S. Corps of Engineers granted a joint permit to the State and County for the construction of a bridge.

Late 1956 and early 1957

The Department took preliminary steps toward bridge construction, including negotiations for a right-of-way, engineering studies, etc.

The Bridge Department began preparation of final plans at Belden's at a cost of approximately \$6,000.

June 20, 1957

The Legislature passed Resolution ACR 208 suggesting the possibility of alternate bridge plans, providing either for an extremely high clearance or a regularly removable span. A request was made of the Department of Fish and Game to study the matter and report to the Legislature.

Summer, 1957

The Department of Fish and Game requested an extension of the original permit which would have expired in September, 1957. The Corps of Engineers granted an extension for one year to provide that construction would start in September, 1958.

January 28, 1958

The Solano County Board of Supervisors notified the Department that the Board was in favor of a low level (medium level 20 foot) bridge and would appropriate necessary funds (50% of the estimated cost according to a previous agreement).

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February 7, 1958

The Department reported to the Legislature as requested by ACR 208, outlining costs of various proposals and recommending a medium level (20 foot) span.

April 1, 1958

The Bridge Department estimated the total cost of the bridge, including engineering at \$250,000.

April 23, 1958

Senate and Assembly adopted Senate Concurrent Resolution No. 6, which directed the Department of Fish and Game to cease activities related to construction of medium level bridge until June 1, 1958, to permit those advocates of a high level bridge to provide financing from other than the Wildlife Restoration Fund. This resolution also contained the following language:

"That it is the intent of the Legislature that no state money shall be expended beyond the cost of the proposed medium-level bridge unless specifically appropriated by the Legislature; . . ."

Mr. Nesbit presented figures provided by the County of Solano Road Department. This was a tabulation of users of the Slough for a two-year period between 1957 and 1959. These figures indicated that the medium level bridge as proposed would provide passage for approximately 98% of the boats using the Slough.

Director Warne, of the Department of Fish and Game, read a prepared statement as to the Department's problem at the Delta Waterfowl Management area which was in part,

"During the waterfowl season this ferry is a bottle-neck that causes traffic jams lasting five or six hours even after remedial steps as outlined below have been taken. These jams are a source of constant annoyance to the public we serve.

"The Commission has had to make special regulations to regulate the flow of hunters onto the island. These regulations, while aiding the flow of traffic do not solve it, and are an irritation in themselves to the hunters.

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"The Department currently spends an estimated \$5,400 annually in parking lot rentals, employee salaries, sundry expenses solely to aid the flow of traffic across this ferry bottle-neck.

"The annual loss of revenue to the Department from hunting fees at Grizzly Island at a reduced capacity in order not to completely jam up the ferry access is estimated to be at least \$3,000 and may be as high as \$10,000.

"Angler access to Grizzly Island shore fishing for warmwater species (striped bass and catfish) is impaired at all seasons.

"The Department recommends favorable consideration of the request of Solano County for additional funds for this proposed bridge."

Assemblyman Lowrey raised the question of the action taken by the Legislature relative to this bridge - the terms of this legislative action were not debated.

Mr. Nesbit then introduced Mr. William A. Jones, Road Commissioner of Solano County, who spoke for the County of Solano. He said the County was happy to pay half the cost of the bridge, that the cost was now estimated at a total of \$266,000, and that the design was for the medium level bridge.

Assemblyman Lowrey inquired as to the number of farmers and school children on the island to which Mr. Jones responded, "about 40 permanent residents including 12 to 14 school children". Assemblyman Lowrey inquired as to the County's obligation to provide transportation for these school children and Mr. Jones stated that it was a County obligation.

Mr. Nesbit explained that to meet the cost of 50% of the bridge an allocation of \$72,000 would be needed to add to the money remaining from the previous allocation. Money for plans was expended before the County agreed to accept 50% of the cost of the bridge.

Senator Johnson moved that \$72,000 be allocated toward construction of the medium level bridge. Assemblyman Lowrey offered an amendment to the motion to provide that no additional monies be made available if the State's allocation were not a full 50% of the total cost. Senator Johnson quickly accepted this amendment and moved as follows:

IT WAS MOVED BY SENATOR JOHNSON, SECONDED BY SENATOR BROWN, THAT THE JOINT INTERIM COMMITTEE RECOMMEND THE WILDLIFE CONSERVATION BOARD ALLOCATE \$72,000 FROM THE WILDLIFE RESTORATION FUND TO THE DEPARTMENT OF FISH AND GAME FOR THE CONSTRUCTION OF A MEDIUM LEVEL BRIDGE AT MONTEZUMA SLOUGH BRIDGE - DELTA WATERFOWL MANAGEMENT AREA, PROJECT NO. 550, AND FURTHER THAT THIS ALLOCATION BE FINAL FOR THIS BRIDGE PROJECT.

AYES, SENATOR JOHNSON, SENATOR BROWN, ASSEMBLYMAN BELOTTI;  
NO, ASSEMBLYMAN LOWREY.

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IT WAS MOVED BY MR. WARNE, SECONDED BY MR. MUGFORD, THAT THE WILDLIFE CONSERVATION BOARD ALLOCATE \$72,000 TO THE DEPARTMENT OF FISH AND GAME FROM THE WILDLIFE RESTORATION FUND TO BE ADDED TO THE FUNDS REMAINING FROM THE PREVIOUS ALLOCATION FOR THE CONSTRUCTION OF A MEDIUM LEVEL BRIDGE AT MONTEZUMA SLOUGH BRIDGE - DELTA WATERFOWL MANAGEMENT AREA, PROJECT NO. 550, WITH THE UNDERSTANDING THIS ALLOCATION IS FINAL FOR THIS PROJECT. PASSED UNANIMOUSLY.

Senator Luther Gibson thanked the Board for their action and introduced Supervisor Raymond E. Church who likewise thanked the Board and stated the County of Solano will accept this action with the stipulation making this allocation a final one.

Mr. Mugford left at this time.

8. Madera Lake Public Fishing Area, Project No. 122 \$11,000.00  
Madera County

The Madera Lake project, a warmwater fishing lake near the City of Madera, is nearly complete. It was built as a Wildlife Conservation Board project and will be operated by the County of Madera. This project consists of a 400 acre lake constructed on 1,200 acres of land purchased by the Wildlife Conservation Board. Development includes roads, parking areas, sanitary facilities, water supply, etc. A total of \$330,265 has been allocated to date.

Some water was impounded last spring and fish were stocked. During impoundment, a seepage area developed along the hillside at the south abutment of the dam. The leakage is not through the dam structure itself but if such condition is not corrected, the dam could be endangered. At the May 11, 1959 meeting, it was agreed that this situation must be corrected and a study was authorized to determine the extent of the leakage and the remedy required.

The Department of Water Resources has made a study and has located the seepage area. They recommend treatment including compaction of this area and application of a clay blanket over a part of the area. Because of the nature of the work, it appears desirable to do the work on a time and equipment basis. The Department of Fish and Game Engineering Section estimated the cost of the job to be done. In addition to the seepage control there remains a small amount of road grading, drainage control and some pumping costs for the initial filling of the reservoir. The Department of Fish and Game Engineering Section will supervise the construction of this work.



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The cost estimates are as follows:

Remove organic surface material	\$ 400.00
Compact 6" blanket existing material	
8 acres @ \$300.00/acre	2,400.00
Import and roll 6" blanket	
200 x 200, 1,000 C.Y. @ \$2.00	2,000.00
Additional work as required including drainage improvement, and surfacing of internal roadways	3,000.00
Additional pumping costs	1,500.00
	\$ 9,300.00
Contingencies	1,700.00
	\$ 11,000.00

Mr. Nesbit recommended \$11,000 be allocated to the Department of Fish and Game from the Wildlife Restoration Fund for these purposes.

IT WAS MOVED BY ASSEMBLYMAN LOWREY, SECONDED BY ASSEMBLYMAN BELOTTI, THAT THE JOINT INTERIM COMMITTEE RECOMMEND THE WILDLIFE CONSERVATION BOARD ALLOCATE \$11,000 FROM THE WILDLIFE RESTORATION FUND TO THE DEPARTMENT OF FISH AND GAME FOR THE NECESSARY CONSTRUCTION AT MADERA LAKE PUBLIC FISHING AREA, PROJECT NO. 122, TO CONTROL SEEPAGE, DO ROAD GRADING, DRAINAGE CONTROL, AND PROVIDE FUNDS FOR INITIAL FILLING OF LAKE, AND FURTHER THAT THIS BE THE FINAL CONSTRUCTION ALLOCATION FOR THIS PROJECT.

PASSED UNANIMOUSLY.

IT WAS MOVED BY DIRECTOR WARNE, SECONDED BY MR. RICHARDS, THAT THE WILDLIFE CONSERVATION BOARD ALLOCATE \$11,000 FROM THE WILDLIFE RESTORATION FUND TO THE DEPARTMENT OF FISH AND GAME FOR THE NECESSARY CONSTRUCTION AT MADERA LAKE PUBLIC FISHING AREA, PROJECT NO. 122, TO CONTROL SEEPAGE, DO ROAD GRADING, DRAINAGE CONTROL, AND PROVIDE FUNDS FOR INITIAL FILLING OF LAKE, AND FURTHER THAT THIS BE THE FINAL CONSTRUCTION ALLOCATION FOR THIS PROJECT.

PASSED UNANIMOUSLY.

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9. Reservoir Site Survey, Mendocino National Forest, Project No. 2500  
Glenn and Colusa Counties

Mr. Nesbit explained the Wildlife Conservation Board has completed three very successful small dams and reservoir projects in Glenn and Colusa Counties in the Coast Range Mountains of the Mendocino National Forest. This is an area of high recreational potential with practically no natural lakes. He stated several other sites should be investigated.

The Department of Fish and Game Engineering Section has too much of a workload to do the survey, preliminary designs, plans, and soil testing at this time. We have received an estimate for the job from the Department of Water Resources. A private engineering firm has given us a somewhat lower estimate. Mr. Nesbit requested guidance as to whether private engineers or the Department of Water Resources should be engaged for this preliminary survey for the most feasible of several potential dam sites.

After brief discussion by the Board members, it was agreed the Coordinator be instructed to proceed with the investigation of these dam sites in the most economical manner and that funds be used from Project No. 2500.

10. Nacimiento Reservoir Public Fishing Area, Project No. 134  
San Luis Obispo County

Mr. Nesbit stated that on December 11, 1958, the Board authorized the development of this reservoir for public fishing recreation. A total of \$238,500 was allocated. On August 24, 1959, ten bids were opened and a very favorable low bid of \$158,445 was received for construction of all items except the sanitary facilities and the floating dock which will be bid at a later date. Estimated cost on these remaining items is \$12,600. A balance of \$67,455 would then remain after this project is completed as approved. 67,455

The Monterey County Flood Control and Water Conservation District has pointed out that their initial plan did not extend the launching ramps to the minimum pool level. At the time the plans were drawn, it was unknown what fishing use would be made of the reservoir at the lower water levels. It now develops that the reservoir remains very popular and the fishing good at these levels.

With the savings from the favorable bid, as well as the absorption by the District of the total engineering costs, there remains more than sufficient money available in the allocation to extend the ramps to the lower levels. The existing ramps go to elevation 750'. Both ramps would be extended to the approximate minimum pool (elevation 670'). The extended ramps will be 50' x 500' with access roads leading thereto.

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The cost estimate follows:

Quantity	Unit	Item	Unit Cost	Amount
14,500	CY	Roadway Excavation	.36	\$ 5,220.00
2,275	CY	Untreated Base	1.80	4,095.00
1.5	Tons	SC-2 (road oil)	40.00	60.00
1.3	Tons	SC-6 (road oil)	50.00	65.00
17	Tons	Screenings	5.00	85.00
1,065	CY	Class "B" Concrete	28.75	30,618.75
2,670	Lbs.	Reinforcing Steel	0.17	453.90
6,400	SV	Reinforcing Mesh	0.90	5,760.00
			SUB-TOTAL	\$46,357.65
			Contingencies	1,390.73
			TOTAL	\$47,748.38

The Department of Fish and Game recommended this project.

Mr. Nesbit recommended that the expansion of this project be authorized by an amendment of the existing agreement between the State and the District to include this additional work within the existing allocation.

Mr. Nesbit told of the large support for this project. There were letters, cards and wires from 59 individuals and 3 clubs all supporting the proposal. Senator A. A. Erhart sent a wire with his endorsement.

Senator Johnson suggested the approval of this project be with the understanding that remaining funds over the \$47,800 estimated at this time be held for recovery.

IT WAS MOVED BY SENATOR JOHNSON, SECONDED BY ASSEMBLYMAN LOWREY, THAT THE JOINT INTERIM COMMITTEE RECOMMEND THE WILDLIFE CONSERVATION BOARD APPROVE THE ADDITIONAL DEVELOPMENT WORK AS PRESENTED FOR NACIMIENTO RESERVOIR PUBLIC FISHING AREA, PROJECT NO. 134, AND THAT THE DEPARTMENT OF FISH AND GAME BE AUTHORIZED TO AMEND THE EXISTING AGREEMENT WITH THE MONTEREY COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT TO INCLUDE THESE ITEMS NOT TO EXCEED AN AMOUNT OF \$47,800, ALL WITHIN THE TOTAL ALLOCATION AS APPROVED ON DECEMBER 11, 1958, AND THAT THE UNUSED REMAINDER OF THE ALLOCATION BE MADE AVAILABLE FOR RECOVERY TO THE BOARD.

PASSED UNANIMOUSLY.



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IT WAS MOVED BY MR. RICHARDS, SECONDED BY MR. WARNE, THAT THE WILDLIFE CONSERVATION BOARD APPROVE THE ADDITIONAL DEVELOPMENT WORK AS PRESENTED FOR NACIMIENTO RESERVOIR PUBLIC FISHING AREA, PROJECT NO. 134, AND THAT THE DEPARTMENT OF FISH AND GAME BE AUTHORIZED TO AMEND THE EXISTING AGREEMENT WITH THE MONTEREY COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT TO INCLUDE THESE ITEMS NOT TO EXCEED AN AMOUNT OF \$47,800, ALL WITHIN THE TOTAL ALLOCATION AS APPROVED ON DECEMBER 11, 1958, AND THAT THE UNUSED REMAINDER OF THE ALLOCATION BE MADE AVAILABLE FOR RECOVERY TO THE BOARD.

PASSED UNANIMOUSLY.

Mr. Chester Deavers spoke on behalf of the Board of Supervisors and the Directors of the District. He thanked the Board and expressed their appreciation for the interest in the project.

Assemblyman Alan Pattee thanked the Board for their support and consideration of this project. He mentioned that the thousands of local and statewide users would be appreciative of the action taken by the Board.

11. Marine Habitat Development  
Los Angeles County

\$18,000

The Department of Fish and Game has proposed this project to improve sport fishing in ocean waters. It consists of placing artificial reefs in shallow ocean waters, usually less than 50' in depth. The reefs provide habitat for such fish as perch, sheepshead, kelp bass, sand bass and various rockfish. Experimental work done by the Department has proven these reefs to be very successful.

The proposal is to establish a minimum of three reefs in the region of Santa Monica Bay in Los Angeles County. Each reef will contain four different materials; namely, car bodies, quarry rock, specially designed concrete shelters and streetcars. These materials are all available and permission to place them is obtainable.

The Department will continue to study these reefs with biologist-divers. It is known that fish populations are being increased by these reefs as is the angling success of those who fish over them.

The Department proposal and cost estimates were stated in a memo to the Coordinator, dated September 11, 1959. The pertinent information is as follows:

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"Santa Monica Bay was selected because much barren and semi-barren bottom, in need of development is to be found there. It is close to California's major center of population and thus receives more than its share of fishing pressure. Finally, the bay is close to the Terminal Island headquarters for the Project, making it possible to limit travel time and expense of operations. Landing facilities are available at no charge to Project.

"Depths were chosen at between 50 and 60 feet as optimum for desirable sport species which can be expected to concentrate on the 'reefs', and for development of kelp beds by natural seeding and transplantation. This is also an optimum depth for diving observations by biologists, not requiring stage decompression (several minutes of waiting at certain depths depending on length of dives). Normal ascent of 25 feet per minute is sufficient in prevention of caisson disease (bends), in dives of long enough duration to accomplish purposes of dive. These usually include fish counts and estimates, taking of temperature and visibility readings, kelp transplantation, tagging and measurements, placing and removing test blocks used to collect encrusting organisms, underwater photography, etc.

"Santa Monica Bay is only open for the taking of bait fish and sardines in season (for canning) by Lampara nets. Hence, there would be no objections from operators of large purse seine boats because of possible entanglement of nets on the artificial reefs.

"Time element: The followup and evaluation would take at least two years (time time remaining to the present project). It is anticipated that the reef will continue to attract fish throughout its lifetime regardless of whether or not the project terminates.

"Estimated costs:

1,000 tons quarry rock (2 ton)	\$ 3,500.00
132 concrete shelters (see specs)	9,900.00
3 streetcars	300.00
Rental of barge & tug (4 days @ \$700.00 per day)	2,800.00
Loading of barge (maximum)	1,000.00
Cable, chain, buoys, etc.	500.00
Total	\$18,000.00 "

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Mr. Nesbit stated this proposal is highly recommended by various clubs and individuals interested in the betterment of ocean sports fishing. He introduced Biologist-Diver Jack Carlisle who gave an interesting and informative talk on the proposed and expected results.

Assemblyman Belotti suggested the possibility of surplus ships for such reefs and Mr. Carlisle said they were a possibility.

IT WAS MOVED BY ASSEMBLYMAN LOWREY, SECONDED BY SENATOR JOHNSON, THAT THE JOINT INTERIM COMMITTEE RECOMMEND THE WILDLIFE CONSERVATION BOARD ALLOCATE \$18,000 FROM THE WILDLIFE RESTORATION FUND TO THE DEPARTMENT OF FISH AND GAME AND AUTHORIZE THE DEPARTMENT OF FISH AND GAME TO PROCEED WITH THE DEVELOPMENT OF THIS MARINE HABITAT DEVELOPMENT PROJECT SUBSTANTIALLY IN ACCORDANCE WITH PLANS PRESENTED.

*Santa Monica Bay*

PASSED UNANIMOUSLY.

IT WAS MOVED BY MR. WARNE, SECONDED BY MR. RICHARDS, THAT THE WILDLIFE CONSERVATION BOARD ALLOCATE \$18,000 FROM THE WILDLIFE RESTORATION FUND TO THE DEPARTMENT OF FISH AND GAME AND AUTHORIZE THE DEPARTMENT OF FISH AND GAME TO PROCEED WITH THE DEVELOPMENT OF THIS MARINE HABITAT DEVELOPMENT PROJECT SUBSTANTIALLY IN ACCORDANCE WITH PLANS PRESENTED.

PASSED UNANIMOUSLY.

12. Inland Angling Access Program, Project No. 1013  
Clear Lake Highlands Access, Lake County

On December 11, 1958, the Board approved a project for construction of a fishing access development at Clear Lake Highlands on Clear Lake. The project was to include the repair of an existing fishing pier. The County and Department of Fish and Game engineers informed us it would be uneconomical to rebuild the pier. Lake County designed and estimated a new pier to be constructed without changing the estimate made for repairs of the old pier.

Mr. Nesbit recommended this project be reauthorized to include a new pier instead of the rebuilding of the existing one. No additional funds are requested.

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PASSED UNANIMOUSLY.

IT WAS MOVED BY MR. WARNE, SECONDED BY MR. RICHARDS, THAT THE WILDLIFE CONSERVATION BOARD CHANGE THE SCOPE OF THE CLEAR LAKE HIGHLANDS ACCESS, PROJECT NO. 1013, TO INCLUDE THE CONSTRUCTION OF A NEW FISHING PIER INSTEAD OF REPAIR TO THE OLD ONE, ALL WITHIN THE ALLOCATION AS MADE AT THE DECEMBER 11, 1958 MEETING.

PASSED UNANIMOUSLY.

13. Coastal Angling Access Program, Project No. 1011 \$ 9,884.83  
Crescent City Public Fishing Access, Del Norte County

The Board authorized this project on April 30, 1958, and allocated \$53,880. The plans for construction and estimates of cost were prepared by the Crescent City Harbor District. Work on this project was finally authorized October 8, 1958, and construction was commenced by the Harbor District shortly thereafter. Construction was authorized under contract agreement with the State. After construction was completed, Project Engineer of the Harbor District, D. W. Scott, wrote a letter dated May 9, 1959, and "requested relief" for some of the construction expenditure in excess of the allocation approved by the Board.

An audit by the Department of Fish and Game of the construction costs showed all records to be proper and in order and full value received. Although advance permission for changes in specifications and plans were not requested as provided in the construction agreement, it should be pointed out that because of severe weather conditions, parts of the project may well have been lost if such action by the District had not been taken.

Mr. Dave Scott, Project Engineer for the Harbor District, has requested relief on the following items:



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1. Excavating sand from behind sheet piles and fill with shale rock to prevent fine sand from seeping through sheet pile joints. \$ 1,247.20
  2. Excavation of rock boulders embedded under sand in line of sheet piles. 993.00
  3. Procure and place sea rock after storms to reinforce rock wall against tide action. 2,222.46
  4. Dredging bulkhead area. 809.94
  5. Framing and placing 300 lin. ft. of curb timber along crest of sea wall to meet accident prevention requirements of State Engineer. 1,806.64
  6. Prefab and install float supports so that floats could be raised above the turbulent waters with maximum speed during stormy weather. 1,630.16
  7. Necessary to move septic tank back 300 lin. ft. from rest rooms on water front line to meet sanitary engineer's requirement. This necessitated construction of 300 lin. ft. sewer line through rocked area. 1,175.43
- 
- \$ 9,884.83

Mr. Nesbit introduced Mr. Alvin Phillips of the Crescent City Harbor District. He explained that Project Engineer Dave Scott was in the hospital and was unable to attend the meeting. Mr. Phillips said the actual difference in the cost of the project and the authorized allocation was \$27,889.58 and he wished to alter their request to the Board to include this total difference.

Mr. Nesbit explained that the expenditures in excess of the allocation were in two categories; i.e., those items necessary to complete the project totaling \$9,884.83 and additional items which were in the nature of enhancement. Mr. Wallace Dry, Engineer, Department of Fish and Game, explained that the audit made of the project supported the request for the \$9,884.83 but not the additional items. Assemblyman Lowrey inquired if the Department of Fish and Game or the Wildlife Conservation Board staff had been contacted by Mr. Phillips or Mr. Scott regarding these expenditures in excess of the allocation, to which Mr. Phillips replied he didn't believe so. Assemblyman Belotti, Assemblyman Lowrey, and Mr. Warne discussed Mr. Phillips' request. It was Assemblyman Belotti's feeling the entire bill should be paid.

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Assemblyman Lowrey moved that the amount of \$9,884.83 be paid; Assemblyman Belotti moved with an amended motion to have the Coordinator study the justification for repayment of the additional amount as well. The amended motion was seconded by Senator Brown. This motion failed to carry.

IT WAS MOVED BY ASSEMBLYMAN LOWREY, SECONDED BY SENATOR JOHNSON, THAT THE JOINT INTERIM COMMITTEE RECOMMEND THE WILDLIFE CONSERVATION BOARD ALLOCATE \$9,884.83 FROM THE WILDLIFE RESTORATION FUND TO THE DEPARTMENT OF FISH AND GAME FOR THE REIMBURSEMENT TO THE CRESCENT CITY HARBOR DISTRICT FOR EXPENDITURES MADE DURING CONSTRUCTION OF THE CRESCENT CITY PUBLIC FISHING ACCESS (CITIZENS PIER), PROJECT NO. 1011.

AYES, SENATOR JOHNSON, SENATOR BROWN, ASSEMBLYMAN LOWREY; ASSEMBLYMAN BELOTTI ABSTAINED FROM VOTING.

IT WAS MOVED BY MR. WARNE, SECONDED BY MR. RICHARDS, THAT THE WILDLIFE CONSERVATION BOARD ALLOCATE \$9,884.83 FROM THE WILDLIFE RESTORATION FUND TO THE DEPARTMENT OF FISH AND GAME FOR THE REIMBURSEMENT TO THE CRESCENT CITY HARBOR DISTRICT FOR EXPENDITURES MADE AS INDICATED AT THIS MEETING ON THE CRESCENT CITY PUBLIC FISHING ACCESS (CITIZENS PIER), PROJECT NO. 1011.

PASSED UNANIMOUSLY.

14. San Diego City Reservoirs Warmwater Fishing Areas, Project No. 113

Mr. Nesbit stated that on March 24, 1955, the Board allocated \$100,000 for the development of fishing access at three City of San Diego Reservoirs. The City agreed to match this amount. On June 20, 1956, an agreement was signed between the City and the State for the development of three reservoirs; namely, Hodges, Sutherland and El Capitan. About \$61,000 has been spent from the State allocation, leaving a balance of \$39,000. The City has matched all monies drawn from these funds.

The capital improvement program at El Capitan has been completed. The Sutherland Reservoir has been largely developed and is functioning satisfactorily with respect to current patronage.

No State monies have been spent on Hodges Reservoir. Since 1952, this reservoir has been open only one year, 1958, and that on a temporary basis. The water supply forecast for the next several years does not indicate sufficient water to make use of the area as a public fishery.

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Lower Otay Reservoir, another in the City's water supply system, is located twenty miles south of San Diego. It has a long and rich history of angler use. In 1958 a total of 35,000 anglers landed 244,000 fish. Recreation facilities at Lower Otay are inadequate. The water supply will be augmented by new Colorado River imports. Considerable improvement is necessary to satisfy Health Department standards for public use.

The City of San Diego requests the agreement between the City of San Diego and the State, dated June 20, 1956, be amended to include Lower Otay Reservoir. No additional funds are requested but amendment would include authorization to expend all or part of the remaining \$39,000 at this reservoir.

The capital improvement program includes in the existing agreement boat launching ramps, sanitary facilities, access roads, fishing floats, etc.

Mr. Nesbit recommended this request be allowed.

Director Warne spoke in favor of this proposal. He said water conditions at Hodges Reservoir made its utilization as a public fishery impractical at the present time. He said Lower Otay was one of the better warmwater fish producers in San Diego County and recommended the inclusion of this lake in the State development project.

IT WAS MOVED BY ASSEMBLYMAN LOWREY, SECONDED BY ASSEMBLYMAN BELOTTI, THAT THE JOINT INTERIM COMMITTEE RECOMMEND THE WILDLIFE CONSERVATION BOARD AUTHORIZE THE AMENDMENT OF THE EXISTING AGREEMENT, DATED JUNE 20, 1956, BETWEEN THE DEPARTMENT OF FISH AND GAME AND THE CITY OF SAN DIEGO TO INCLUDE LOWER OTAY RESERVOIR.

PASSED UNANIMOUSLY.

IT WAS MOVED BY MR. WARNE, SECONDED BY MR. RICHARDS, THAT THE WILDLIFE CONSERVATION BOARD AUTHORIZE THE AMENDMENT OF THE EXISTING AGREEMENT, DATED JUNE 20, 1956, BETWEEN THE DEPARTMENT OF FISH AND GAME AND THE CITY OF SAN DIEGO TO INCLUDE LOWER OTAY RESERVOIR.

PASSED UNANIMOUSLY.

Mr. Nesbit then introduced Mr. R. E. Graham, Director, Utilities Department, San Diego, who thanked the Board for their action and said the City of San Diego will continue to try to produce good fishing and public recreation on their water supply reservoirs.



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15. Ice House Reservoir  
El Dorado County

A reserve was established for the above project on October 9, 1958. Subsequent to this action, the Sacramento Municipal Utility District was authorized by the Legislature to expend funds for recreational development. The District now proposes to develop Ice House Reservoir at District expense and requests this reserve be broadened to change the name from the Ice House Reservoir Reserve to the Upper American River Development Reserve. The other proposed District reservoirs of the project have an even greater fishing potential than has Ice House Reservoir. The change proposed will broaden the scope of the fisheries and access development in this fine recreational area.

Mr. Nesbit recommended this change in scope of this reserve.

Mr. Warne said the Department of Fish and Game recommends this change.

IT WAS MOVED BY ASSEMBLYMAN BELOTTI, SECONDED BY ASSEMBLYMAN LOWREY, THAT THE JOINT INTERIM COMMITTEE RECOMMEND THE WILDLIFE CONSERVATION BOARD CHANGE THE SCOPE OF THE ICE HOUSE RESERVOIR RESERVE TO INCLUDE THE REMAINING FEATURES OF SACRAMENTO MUNICIPAL UTILITY DISTRICT'S PROJECT, SAID RESERVE TO BE KNOWN AS UPPER AMERICAN RIVER DEVELOPMENT RESERVE.

PASSED UNANIMOUSLY.

IT WAS MOVED BY MR. RICHARDS, SECONDED BY MR. WARNE, THAT THE WILDLIFE CONSERVATION BOARD CHANGE THE SCOPE OF THE ICE HOUSE RESERVOIR RESERVE TO INCLUDE THE REMAINING FEATURES OF SACRAMENTO MUNICIPAL UTILITY DISTRICT'S PROJECT, SAID RESERVE TO BE KNOWN AS UPPER AMERICAN RIVER DEVELOPMENT RESERVE.

PASSED UNANIMOUSLY.

16. Hot Creek Hatchery  
Mono County

\$ 2,500

A letter, dated August 31, 1959, from Director Warne to the Coordinator requests the Board consider the allocation of \$2,500 for certain testing of concrete aggregate at Hot Creek Hatchery, Mono County. The Wildlife Conservation Board has expended a total of \$103,362.75 on the Hot Creek Hatchery. The project was closed December 20, 1957, and \$15,437.21 recovered.

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Mr. Warne's letter of explanation is as follows:

"Concrete structures at Hot Creek Hatchery show evidence of severe deterioration, particularly that concrete which is in constant contact with the pond water.

"The cause of the disintegration, which may begin as soon as a month after casting, is probably a combination of alkali reactive aggregates and severe freeze-thaw conditions.

"Many different combinations of admixtures and additives have been tried in an effort to correct the condition, with little or no success. Low alkali cements, special mixing water and aggregates from several local sources have been used. Air entrainment and various admixtures, strict moisture control and special curing methods have been tried. The effectiveness has been negligible.

"The Department of Water Resources has offered to conduct a conclusive research program into all phases of this problem to result in recommendations as to source of aggregates, batch design and admixtures to be used to produce satisfactory, durable concrete at this station.

"Because a major reconstruction program is contemplated for this hatchery in the future, it is suggested that an amount of \$2,500.00 be requested from the Wildlife Conservation Board for this survey and report by Water Resources."

Mr. Warne stated that Hot Creek Hatchery has an excellent water supply and was one of the few hatcheries in Southern California which could be expanded. He said this concrete investigation is necessary to determine the future of this facility.

Assemblyman Lowrey inquired if the Wildlife Conservation Board was going to be asked to furnish money for reconstruction. Mr. Warne said he felt it was premature at this time to consider the source of funds for reconstruction but that this technical problem must first be solved. Senator Brown said he believed other monies could be made available for reconstruction.

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IT WAS MOVED BY SENATOR JOHNSON, SECONDED BY ASSEMBLYMAN LOWREY, THAT THE JOINT INTERIM COMMITTEE RECOMMEND THE WILDLIFE CONSERVATION BOARD ALLOCATE \$2,500 FROM THE WILDLIFE RESTORATION FUND TO THE DEPARTMENT OF FISH AND GAME FOR THE PURPOSE OF A STUDY AT HOT CREEK HATCHERY TO DETERMINE SUITABLE CONCRETE AGGREGATE FOR CONSTRUCTION.

PASSED UNANIMOUSLY.

IT WAS MOVED BY MR. WARNE, SECONDED BY MR. RICHARDS, THAT THE WILDLIFE CONSERVATION BOARD ALLOCATE \$2,500 FROM THE WILDLIFE RESTORATION FUND TO THE DEPARTMENT OF FISH AND GAME FOR THE PURPOSE OF A STUDY AT HOT CREEK HATCHERY TO DETERMINE SUITABLE CONCRETE AGGREGATE FOR CONSTRUCTION.

PASSED UNANIMOUSLY.

17. Other Business

a. Lake Mendocino - Mendocino County

Mr. Paul Poulos, Supervisor, Mendocino County, appeared on behalf of the County. He invited the Board to inspect Lake Mendocino and a proposed hunting access road at Cow Mountain, near Ukiah. The trip was scheduled for September 24, 1959.

b. Merced Tri Dam Project - Merced and Mariposa Counties

Mr. Mike Pellock, of the Planning staff, Merced County, and Mr. Pat Cosentino, Director of Parks and Recreation, Merced County, presented the preliminary plans for fishing access and recreational development at this project which is now in the final stages of planning. Mr. Pellock explained that his reason for presentation was to familiarize the new members of the Board with the project and to bring the Board up to date on the status of the County's plans.

c. Casitas Reservoir - Ventura County

Mr. Philip Douglas introduced Mr. Lee Bennett, Chief Engineer and General Manager of the Ventura River Municipal Water District. Mr. Bennett presented applications for fishing access development

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of this reservoir to all Board members. He extended an invitation to the Board to visit this project. He pointed out that from 90 to 95% of the visitors expected at this large new fishing reservoir will be from the Los Angeles Metropolitan area. Chairman Richards polled the Board and it was the consensus that a trip should be arranged to inspect this project.

The Chairman instructed the Coordinator to make necessary arrangements.

d. Aliso Creek - Orange County

Mr. Douglas introduced Mr. Kenneth Sampson, Manager of the Orange County Harbor District. Mr. Sampson explained the proposal for the development of public fishing access to approximately 1500 feet of beach frontage. He stated that no application was ready for presentation to the Board at this time but they hope to have one ready for the next Board meeting. He invited the Board members to inspect this proposed coastal angling access project.

- e. Assemblyman Lowrey raised the question of when the Board planned to take a more effective part in the development of hunting access roads. Assemblyman Lowrey advocated such projects.

Mr. Nesbit explained that the staff is planning several hunting access roads for Board consideration and the Board would have an opportunity to visit one of these proposals in the vicinity of Ukiah, September 24, 1959.

- f. Assemblyman Belotti raised the question of projects relating to stream clearance. He advocated a program of this nature.

Mr. Warne explained that the Department and Board staff are now planning projects of this nature and hope to have some ready for presentation to the Board at a later date. Mr. Warne noted that the hunting access, stream clearance, and habitat improvement type of projects will fit in well with the utilization of inmate labor and that these projects will be planned along those lines.

\* \* \* \* \*

There being no further business, the meeting adjourned at 4:30 p.m.

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The amount allocated to specific projects as of the close of the meeting on September 23, 1959, aggregated \$14,842,738.57.

a.	Fish Hatchery and Stocking Projects . . . . .	\$ 4,279,253.11
b.	Warmwater and Other Fish Projects . . . . .	2,529,590.01
1.	Warmwater Projects . . . . .	\$ 2,142,558.81
2.	Other Fish Projects . . . . .	387,031.20
c.	Flow Maintenance and Stream Improvement Projects . . . . .	582,890.87
d.	Screen and Ladder Projects . . . . .	283,579.31
e.	State Game Farms . . . . .	105,644.49
f.	Other Upland Game Projects . . . . .	416,530.84
g.	Waterfowl Management Projects . . . . .	5,597,548.78
h.	General Projects . . . . .	1,022,701.16
1.	Coastal Angling Access Projects . . . . .	302,107.48
2.	Inland Angling Access Projects . . . . .	554,170.07
3.	Other General Projects . . . . .	166,423.61
	Total Allocated to Specific Projects . . . . .	\$14,817,738.57

Special Project Allocations:

Project Evaluation, Property Acquisition and Engineering Studies . . . . .	25,000.00
Total Allocated . . . . .	\$14,842,738.57

In addition to the specific allocations above, the following reserves have been established:

1. Colorado River Recreational Development . . . . .	\$ 23,219.30
2. Lake Tahoe Access Development . . . . .	30,000.00
3. Upper American River Development . . . . .	100,000.00
Total Reserves Established . . . . .	\$ 153,219.30

Operating Costs:

FY 47/48 thru 58/59 - Actual . . . . .	\$ 540,903.54
FY 59/60 - Estimated . . . . .	82,077.00
Total Actual and Estimated Operating Costs . . . . .	\$ 622,980.54

Recapitulation:

Allocations for Projects . . . . .	\$14,817,738.57
Special Project Allocations . . . . .	25,000.00
Reserves Established . . . . .	153,219.30
Expenses of Operation . . . . .	622,980.54
Total Expended or Obligated . . . . .	\$15,618,938.41
Total Funds Appropriated . . . . .	15,000,000.00
Appropriation Available thru 59/60 FY. . . . .	750,000.00
Interest on Surplus Money Invested thru 58/59 FY. . . . .	365,301.14
Miscellaneous Revenue thru 58/59 FY . . . . .	30,265.10
Total Sum Available . . . . .	\$16,145,566.24
Total Expended or Obligated . . . . .	15,618,938.41
Available thru June 30, 1960 . . . . .	\$ 526,627.83