

STATE OF CALIFORNIA

The Resources Agency

Department of Water Resources

BULLETIN No. 132-69

The California  
State Water Project  
In 1969

APPENDIX D

COSTS  
OF RECREATION AND  
FISH AND WILDLIFE ENHANCEMENT

MARCH 1969

**NORMAN B. LIVERMORE, JR.**

*Secretary for Resources*  
The Resources Agency

**RONALD REAGAN**

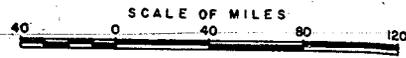
*Governor*  
State of California

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*Director*  
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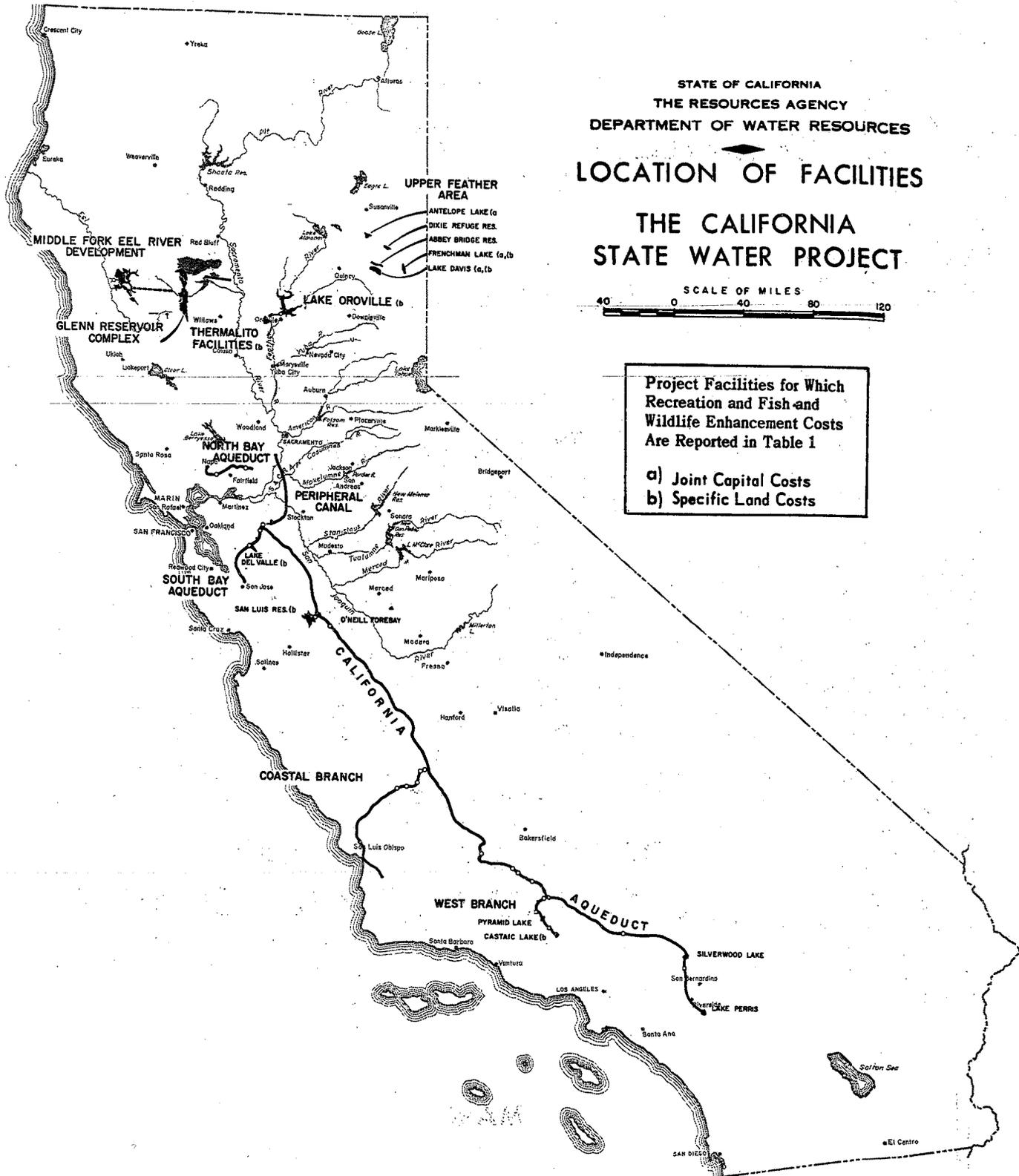
STATE OF CALIFORNIA  
 THE RESOURCES AGENCY  
 DEPARTMENT OF WATER RESOURCES

LOCATION OF FACILITIES  
 THE CALIFORNIA  
 STATE WATER PROJECT



Project Facilities for Which  
 Recreation and Fish and  
 Wildlife Enhancement Costs  
 Are Reported in Table 1

a) Joint Capital Costs  
 b) Specific Land Costs



## FOREWORD

This appendix is published in compliance with Section 11912 of the California Water Code, which assigns to the Department of Water Resources the following responsibilities:

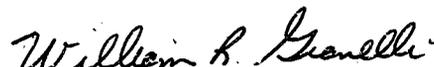
*It shall be the duty of the department to report annually to the Legislature the costs, if any, which the department has allocated to recreation and fish and wildlife enhancement for each facility of any state water project. The department shall also report to the Legislature any revisions which the department makes in such allocations.*

*It shall also be the duty of the department to report to the Legislature on any expenditure of funds for acquiring rights-of-way, easements and property pursuant to Section 346 for recreation development associated with such facilities....*

By enactment of Senate Bill 867 (California Statutes of 1968, Chapter 897), the 1968 Legislature approved recreation and fish and wildlife enhancement costs reported for the State Water Project in the amount of \$13,511,294. As shown in Table 1 of this appendix, the Department hereby reports an additional \$1,440,137 and requests that this increased amount be approved by the Legislature. The additional amount is due to increases of reported interest charges, accounting adjustments, and expenditures for acquiring land for recreation developments between July 1, 1967 and December 31, 1968 (details, pages 9 and 11). This Appendix reports no cost allocations for facilities other than those already approved by the Legislature; therefore, it does not include written comments by the Departments of Parks and Recreation and Fish and Game--the inclusion of which is specifically required under Section 11912 in the event that new or revised cost allocations are reported.

Previous recreation and fish and wildlife enhancement costs were reported to the Legislature in Bulletin 153, entitled "Allocations of Costs Among Purposes of the State Water Project". The Bulletin 153 series (153-65, -66, -67, and -68) was originally a progress report on the development of cost allocation criteria for all facilities of the Project.

Beginning with this appendix, the annual report to the Legislature will present only the specific costs and allocations of joint costs required by Section 11912 and any derivations of new cost allocation percentages. Furthermore, the report will be included as an appendix to the Bulletin 132 series, which constitutes the Department's continuing annual report on management of the State Water Project. The separate Bulletin 153 series will be discontinued.

  
William R. Gianelli, Director  
Department of Water Resources  
The Resources Agency  
State of California

CONTENTS	
	Page
Location of Facilities .....	2
Foreword .....	3
Organization, Department of Water Resources .....	4
Abstract .....	4
Costs and Sources of Funds .....	5
Table 1. Recreation and Fish and Wildlife Enhancement Costs of the State Water Project .....	6
Table 2. Methods of Determining and Funding Recreation and Fish and Wildlife Enhancement Costs .....	8
Table 3. General Fund Appropriations for Recreation and Fish and Wildlife Enhancement Costs .....	8
Footnotes to Table 1 .....	9
Table 4. Land Purchased for Recreation Use .....	10

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The Resources Agency  
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**ABSTRACT**

This is the Department of Water Resources' third annual report to the Legislature in response to Water Code Section 11912, enacted by California Statutes of 1966 (First Extraordinary Session), Chapter 27. In compliance with this law, the Department reports that the joint capital costs of the State Water Project that have been allocated to recreation and fish and wildlife enhancement through December 31, 1968 total \$11,056,638 and that expenditures for acquiring rights-of-way, easements, and property for recreation development associated with project facilities through December 31, 1968 total \$3,894,793. The total amount reported (\$14,951,431) includes costs and expenditures already approved by California Statutes of 1968, Chapter 897 (\$13,511,294).

## COSTS AND SOURCES OF FUNDS

California Water Code Section 11912 requires that the Department of Water Resources report annually to the Legislature:

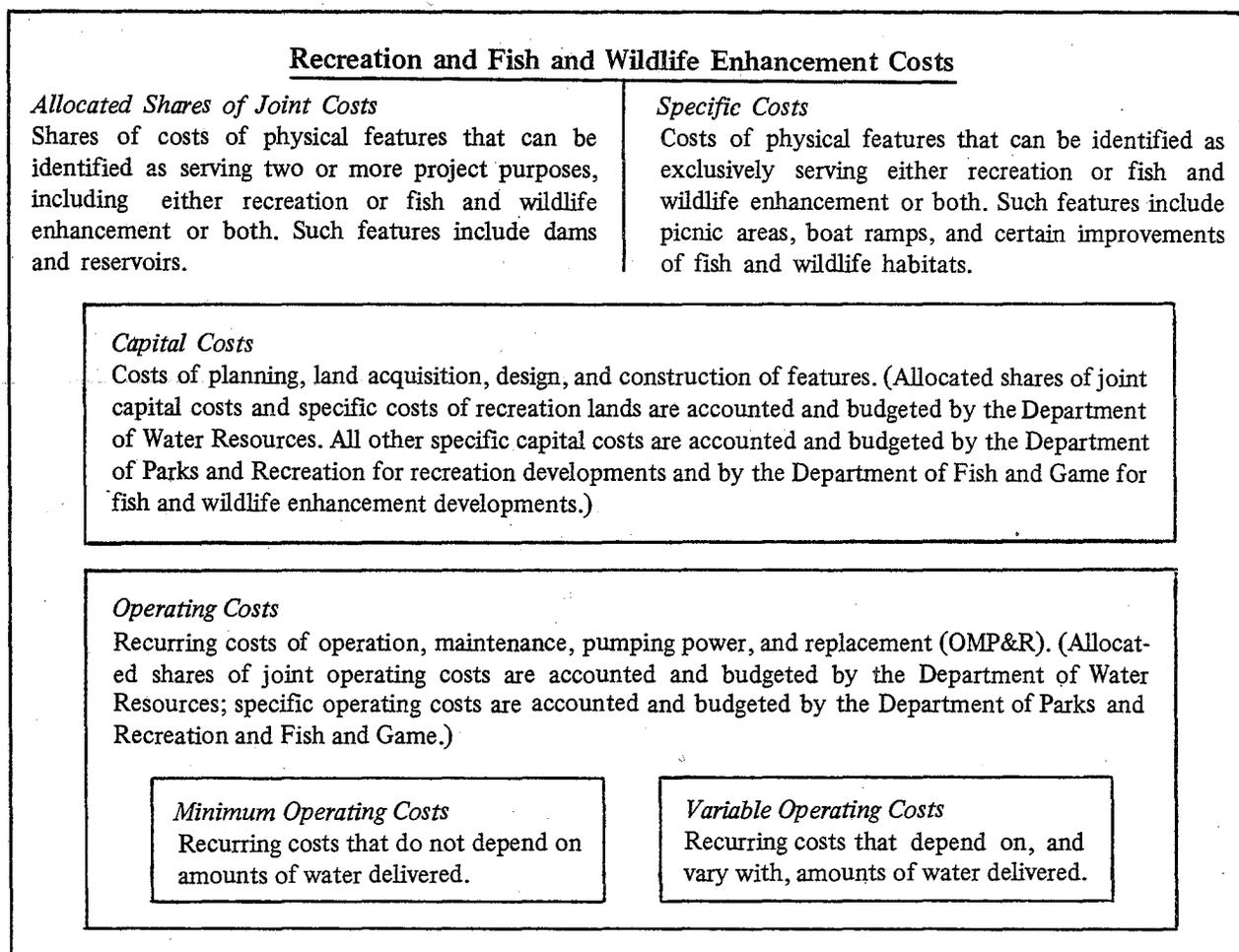
- Costs allocated to recreation and fish and wildlife enhancement for each facility of any state water project, and any revisions in such allocations.
- Any expenditure of funds for acquiring rights-of-way, easements, and property for recreation development associated with such facilities.

The annual amounts of these costs and the sources of funds reported by the Department thru December 31, 1968 are presented in Table 1 (pages 6 and 7).

California Water Code Section 11915 provides that, to the extent the Legislature approves the costs and expenditures so reported, funds derived from a continuing appropriation of the State's tideland oil and gas revenues, up to \$5 million annually, shall be released to the Department for expenditure.

### COST CATEGORIES

For each project facility, a cost attributed to recreation and fish and wildlife enhancement may be either an allocated share of joint costs or a specific cost. Each such cost is also either a capital cost or an operating cost. Each operating cost, in turn, is either a minimum or a variable operating cost. These categories are defined and the relationships between them are illustrated in the following chart.



RECREATION AND FISH AND WILDLIFE ENHANCEMENT COSTS OF THE STATE WATER PROJECT

(Reported to the California Legislature in response to Water Code Section 11912) (a)

(in dollars)

Type of Costs, Project Facility, and Source of Funds	Disbursements, by Calendar Year (b)												Subtotal Thru 1968	Add: Interest Thru 6/30/67 (c)	Application of Funds Made Avail- able in 1967 (d)	Add: Interest 7/1/67- 6/30/68 (e)	Application of Funds Made Avail- able in 1968 (f)	Total Reported Costs Thru 1968	Comparison With Costs Previously Reported		
	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968							Thru 6/30/67 (Bull. 153-68)	Increase (e 7/1/67 to 12/31/68)	
<b>JOINT CAPITAL COSTS ALLOCATED TO RECREATION AND FISH AND WILDLIFE ENHANCEMENT FOR: (f)</b>																					
<b>Frenchman Dam and Lake (50.0%)</b>																					
General Fund	1,616	56,358	31,168			- 12			- 51					89,079		( 89,079)	89,079	89,108	- 29		
California Water Fund		52,939	211,814	495,805	408,383	219,939	64,676	- 133	1	- 6	- 161	- 537	933	1,452,720		(1,452,720)	1,452,720	1,453,146	- 426		
Central Valley Water Project Construction Fund														933		( 933)	933	0	933		
California Water Resources Development Bond Fund						- 373	613	5,190	2,579	10,526	32,350	1,391		52,276	1,317	( 53,593)	53,593	57,460	- 3,867		
Subtotal	1,616	109,297	242,982	495,805	408,383	219,554	65,289	5,057	2,529	10,520	32,189	1,787		1,595,008	1,317	(1,596,325)	1,596,325	1,599,714	- 3,389		
<b>Antelope Dam and Lake (100.0%)</b>																					
General Fund	2,636	2,636	17,158	17,158	3,191	4,331	127	21,581						69,178		( 69,178)	69,178	66,573	2,605		
California Water Fund		297	13,579	17,369	193,982	770,364	2,619,072	-2,542	2	- 13	- 321	- 698		3,611,091		(2,226,620)	3,611,091	3,611,491	- 400		
Central Valley Water Project Construction Fund														21,984		( 21,984)	21,984	0	21,984		
California Water Resources Development Bond Fund					- 203	- 300	- 300	26,824	493,443	257,613	34,769	125,640	18,415	955,901	89,052	(1,044,953)	1,044,953	961,877	83,076		
Central Valley Water Project Revenue Fund			- 315	- 112										- 427		( - 427)	- 427	0	0		
Subtotal	2,636	2,933	30,422	34,572	196,873	774,395	2,646,023	512,482	257,615	34,756	125,319	39,701		4,657,727	89,052	(3,362,308)	4,746,779	4,639,514	107,265		
<b>Grizzly Valley Dam and Lake Davis (94.9%)</b>																					
General Fund	2,194	2,194				26	31	- 327	3,278	17,813				25,209		( 25,209)	25,209	29,259	- 4,050		
California Water Fund		259	12,969	13,995	1,963	114,925	153,491	- 657	17	34				296,996		( 296,996)	296,996	297,827	- 831		
Central Valley Water Project Construction Fund														13,381		( 13,381)	13,381	0	13,381		
California Water Resources Development Bond Fund						3	22,355	532,414	953,891	1,746,372	576,473	13,381		3,994,531	220,486	( 162,931)	4,377,948	4,002,140	375,808		
Subtotal	2,194	2,453	12,969	13,995	1,963	114,954	175,877	531,430	957,186	1,764,219	576,473	176,404		4,330,117	220,486	( 162,931)	4,713,534	4,329,226	384,308		
TOTAL	6,446	114,683	286,373	544,372	607,219	1,108,903	2,887,189	1,048,969	1,217,330	1,809,495	733,981	217,892		10,582,852	310,855	(4,958,633)	162,931	(6,098,005)	11,056,638	10,568,454	488,184
<b>SPECIFIC LAND COSTS IN ASSOCIATION WITH: (g)</b>																					
<b>Frenchman Dam and Lake</b>																					
General Fund			42,082											42,082		( 42,082)	42,082	42,059	23		
California Water Resources Development Bond Fund						- 154	- 282	- 26	- 26	- 26	- 66	- 42		- 622	- 93	( - 715)	- 715	- 565	- 150		
Subtotal			42,082			- 154	- 282	- 26	- 26	- 26	- 66	- 42		41,460	- 93	( 41,367)	41,367	41,494	- 127		
<b>Grizzly Valley Dam and Lake Davis</b>																					
California Water Resources Development Bond Fund									10,177	26,126	141,035	- 60		177,278	1,900		7,207	( 186,385)	186,385	185,380	1,005
<b>Oroville Dam and Lake Oroville</b>																					
California Water Fund					13,194	49,289	32,842	5,625						100,950		( 100,950)	100,950	100,965	- 15		
Central Valley Water Project Construction Fund														66,473		( 66,473)	66,473	0	66,473		
California Water Resources Development Bond Fund						- 4	41,649	99,711	297,274	773,499	64,815	11,798		1,288,742	75,264	( 54,387)	1,418,393	1,396,323	22,070		
Subtotal					13,194	49,285	74,491	105,336	297,274	773,499	64,815	78,271		1,456,165	75,264	( 54,387)	1,585,816	1,497,288	88,528		
<b>Thermalito Facilities</b>																					
California Water Fund						6,521	36,915							43,436		( 43,436)	43,436	43,445	- 9		
California Water Resources Development Bond Fund						- 20	- 43	- 50	- 2	119,220				119,105	4,824	( 128,913)	128,913	128,098	815		
Subtotal						6,501	36,872	- 50	- 2	119,220				162,541	4,824	( 172,349)	172,349	171,543	806		
<b>Del Valle Dam and Lake Del Valle</b>																					
California Water Resources Development Bond Fund											466,542			466,452			18,756	( 485,208)	485,208	483,753	1,455
<b>San Luis Dam and Reservoir and O'Neill Forebay (h)</b>																					
California Water Fund							1,412							1,412		( 1,412)	1,412	1,510	- 98		
California Water Resources Development Bond Fund														18,943	1,562	( 21,330)	21,330	20,950	380		
Subtotal							1,412							20,355	1,562	( 22,742)	22,742	22,460	282		
<b>California Aqueduct</b>																					
California Water Fund					14,507			96						14,603		( 14,603)	14,603	14,603	0		
Central Valley Water Project Construction Fund														2,980		( 2,980)	2,980	0	2,980		
California Water Resources Development Bond Fund						- 239	- 235	- 239	415,986	58,806	478	2,980		474,422	36,566	( 531,540)	531,540	526,319	5,221		
Subtotal					14,507	- 239	- 235	- 143	415,986	58,806	478	2,845		492,005	36,566	( 549,123)	549,123	540,922	8,201		
<b>Castaic Dam and Lake (Main Arm)</b>																					
California Water Resources Development Bond Fund									60,656	159,606	587,131			807,393	11,483		32,927	( 851,803)	851,803	851,803	
TOTAL			42,082		27,701	55,393	112,258	105,117	803,008	1,137,231	1,259,845	81,014		3,623,649	131,506	( 41,367)	139,638	(3,853,426)	3,894,793	2,942,840	951,953
<b>TOTAL RECREATION AND FISH AND WILDLIFE ENHANCEMENT COSTS</b>																					
General Fund	6,446	61,188	90,408	17,518	3,191	4,345	158	21,254	3,227	17,813				225,548		( 200,339)	225,548	226,999	- 1,451		
California Water Fund		53,495	238,362	527,169	632,029	1,161,038	2,908,408	2,389	20	15	- 482	- 1,235		5,521,208		(3,679,340)	5,521,208	5,522,987	- 1,779		
Central Valley Water Project Construction Fund														105,751		( 22,917)	105,751	0	105,751		
California Water Resources Development Bond Fund						- 1,087	90,881	1,130,443	2,017,091	2,928,898	1,994,308	194,390		8,354,421	442,361	(1,097,831)	9,099,351	7,761,735	1,337,616		
Central Valley Water Project Revenue Fund			- 315	- 112										- 427		( - 427)	- 427	0	0		
GRAND TOTAL	6,446	114,683	328,455	544,372	634,920	1,164,296	2,999,447	1,154,086	2,020,338	2,946,726	1,993,826	298,906		14,206,501	442,361	(5,000,000)	302,569	(9,951,431)	14,951,431	13,511,294	1,440,137 (1)

Footnotes a-1 are presented on pages 9 and 11.

**TABLE 2. METHODS OF DETERMINING AND FUNDING RECREATION AND FISH AND WILDLIFE ENHANCEMENT COSTS**

<u>Type of Costs</u>	<u>Method of Determining Costs</u>	<u>Method of Funding</u>
<u>Joint Costs (of features jointly used for various project purposes, including either recreation or fish and wildlife enhancement or both)</u>		
Capital costs	Percentages of total actual costs (percentages determined by the Department of Water Resources )	Initially from project funds, reimbursed by tideland oil and gas revenues(a)
Minimum OMP&R Costs	Percentages of total actual costs (percentages determined by the Department of Water Resources)	Annual appropriations made in advance from the General Fund
Variable OMP&R Costs	Actual annual acre-feet delivered multiplied by cost per acre-foot	Annual appropriations made in advance from the General Fund
<u>Specific Costs (of features used exclusively for either recreation or fish and wildlife enhancement or both)</u>		
Capital costs of recreation land	Total actual costs	Initially from project funds, reimbursed by tideland oil and gas revenues (a)
Other capital and all operating costs	Total actual costs	Annual appropriations made in advance from the General Fund or certain special funds

- a) *California Statutes of 1966 (First Extraordinary Session), Chapter 27, provides for:*
- *Reimbursement by tideland oil and gas revenues pursuant to Water Code Section 11915, depending on a reporting and approval procedure defined in Water Code Section 11912.*
  - *Deposit of \$5 million appropriation of the State's annual share of such revenues in the Central Valley Water Project Construction Fund, for release in amounts equal to the approved costs of recreation and fish and wildlife enhancement.*

**TABLE 3. GENERAL FUND APPROPRIATIONS FOR RECREATION AND FISH AND WILDLIFE ENHANCEMENT COSTS**  
(in thousands of dollars)

	Fiscal Year							
	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70(a)
<i>Joint Operating Costs (b)</i>								
Frenchman Lake	11	11	9	7	15	9	11	11
Antelope Lake	—	15	15	16	17	18	26	22
Lake Davis	—	—	—	10	15	17	17	19
California Aqueduct	—	—	—	—	—	—	500	400
Subtotal	11	26	24	33	47	44	554	452
<i>Specific Capital Costs</i>								
<i>Other Than for Land</i>								
Planning	96	119	209	198	237	235	155	191
Design & Construction (d)	488	689	1,126	2,553	6,297	30	1,991	3,257
Subtotal	584	808	1,335	2,751	6,534	265	2,146	3,448
<i>Specific Operating Costs</i>	—	—	—	—	106(c)	148(c)	201(c)	215(c)
TOTAL	595	834	1,359	2,784	6,687	457	2,901	4,115

- a) *Proposed budget amounts.*  
b) *Not including allocated general operating costs.*  
c) *For recreation developments at Lake Oroville and San Luis Reservoir.*  
d) *Includes appropriations from the Harbors and Watercraft Revolving Fund.*

Footnotes to Table 1 (pages 6 and 7)

a) The various types of recreation and fish and wildlife enhancement costs are determined and funded as indicated in Table 2.

Recreation and fish and wildlife enhancement costs not reported in response to Water Code Section 11912 are covered by annual appropriations from the General Fund, as authorized by Section 11913 of the Water Code. These funds are used to pay joint operating costs allocated to recreation and fish and wildlife enhancement and to pay specific capital costs (other than those for land acquisition) and specific operating costs of recreation developments associated with such facilities. These appropriations are listed in Table 3.

b) Negative values result from application of miscellaneous income (such as right-of-way rentals) to capital costs of associated facility.

c) Interest charges based only on portion of annual costs financed by California Water Resources Development Bond Fund. Calculation based on weighted average interest rate on Water Bond sales ("project interest rate") prevailing December 31, 1968-4.021%--for period extending from mid-point of year in which respective costs were incurred to:

(1) June 30, 1967 for the costs the Department determines to have been reimbursed by funds made available during 1967 pursuant to Water Code Section 11915; or

(2) June 30, 1968 for the costs the Department assumes to be reimbursed by funds made available during 1968 pursuant to Water Code Section 11915.

d) A total of \$15,000,000 of the State's tideland oil and gas revenues has been deposited in the Central Valley Water Project Construction Fund pursuant to California Statutes of 1966 (First Extraordinary Session), Chapter 27. Of this amount, \$13,511,294 has been released to the Department for expenditure pursuant to Water Code Section 11915. Deposits by month are as follows:

1967		1968	
February	\$ 74,744	February	\$ 640,726
March	1,451,434	March	1,899,350
April	1,840,800	April	1,710,255
May	1,277,402	May	749,669
July	355,620	Subtotal	\$5,000,000
Total	\$5,000,000		
(fiscal year 1966-67 appropriation)		(fiscal year 1967-68 appropriation)	
		November	\$3,086,607
		December	1,913,393
		Subtotal	\$5,000,000
		(fiscal year 1968-69 appropriation)	
		Total	\$10,000,000

e) These cost changes are explained in the following paragraphs:

*Joint Capital Costs*

Though Frenchman, Antelope, and Grizzly Valley Dams are completed, the reported capital costs to the three facilities increased about \$488,000 during the past year. About \$39,000 of the increase is due to additional interest charges on those expenditures financed from the California Water Resources Development Bond Fund. In Bulletin 153-68, interest charges were reported at the then-prevailing "project interest rate" of 3.709% per annum. The rest of the increase is due, primarily, to the completion of construction of the Beckwourth Operations and Maintenance Center near the City of Portola, and the construction "cleanup" costs of Grizzly Valley Dam.

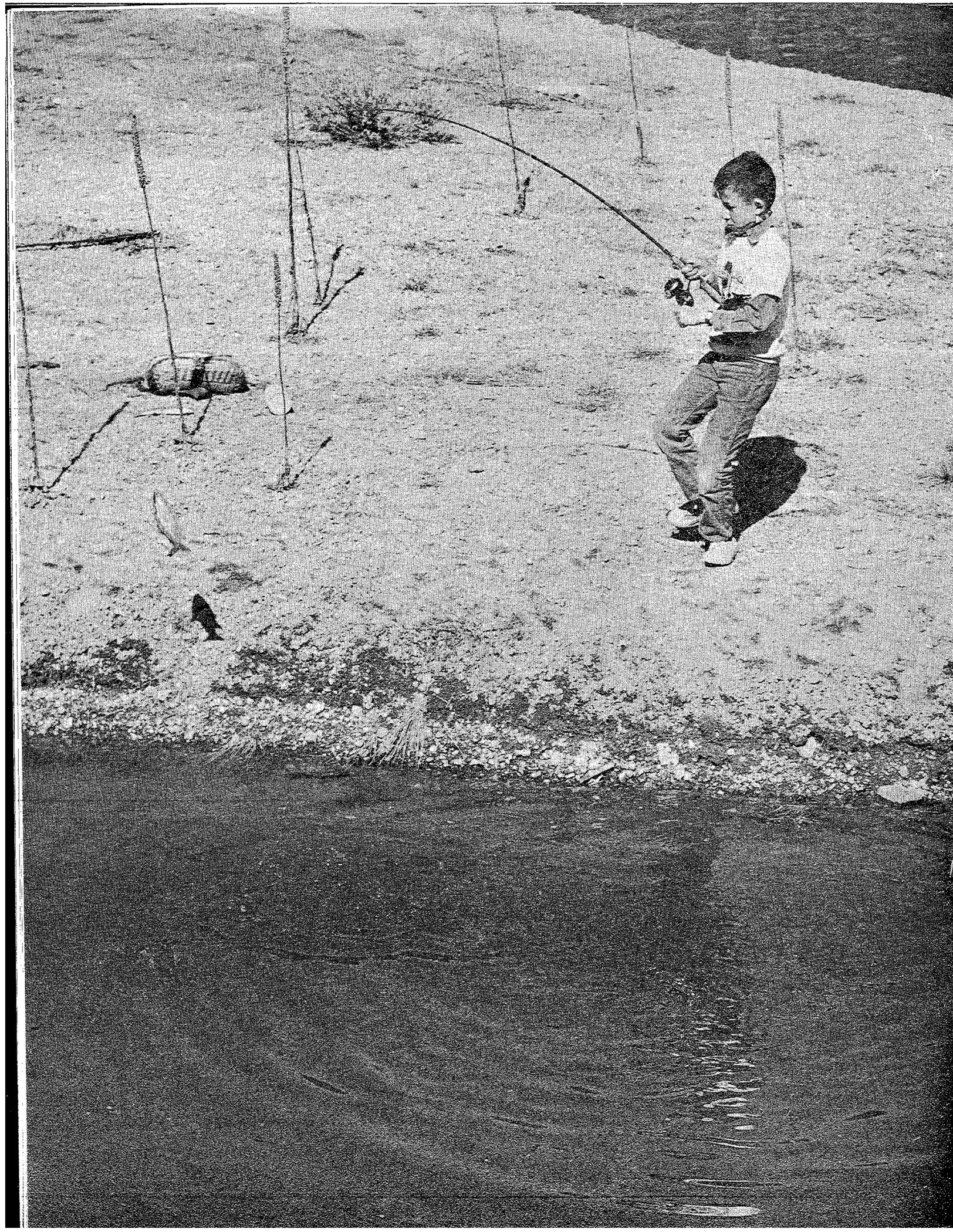
*Specific Land Costs*

Expenditures for recreation lands increased about \$952,000 during the past year. The inclusion of the costs of acquiring lands associated with the main arm of Castaic Lake, with approval of the recreation development plan for this portion of the lake during the past year, accounted for most of the increase (about \$807,000). Additional acquisition of recreation land associated with Oroville Dam and Lake Oroville (about \$78,000) and additional interest charges on expenditures financed by the California Water Resources Development Bond Fund (about \$62,000) account for most of the remaining increase.

f) Based on application of respective percentages of annual capital costs of completed project facilities, as indicated in parentheses for each facility. Corresponding percentages of joint OMP&R costs that have been allocated to recreation and fish and wildlife enhancement, described in Bulletin 153-68, are:

Frenchman Dam and Lake	50.0%
Antelope Dam and Lake	100.0%
Grizzly Valley Dam and Lake Davis	91.2%

For each facility, the joint capital cost allocated to recreation and fish and wildlife enhancement is reported after construction is completed. Allocation percentages are derived in the year preceding the year when construction is started. The reported costs of a facility, and the final allocation percentages, may need future adjustment even though all costs of the facility have been previously considered as reimbursed.



Footnotes to Table 1 (Continued)

g) Under the authority of Section 346 of the California Water Code, the Department uses all available project funds to purchase recreation lands concurrently with lands needed for multiple-purpose facilities authorized under the Act. These lands are purchased concurrently to decrease the total land costs of the Project and to acquire property in an orderly manner. Recreation lands acquired for each project facility through December 31, 1968 are summarized in Table 4.

The Department reports the annual expenditure of project funds for acquiring all lands associated with recreation development in the year following the fiscal year in which the funds were spent.

The specific costs of recreation lands generally are established when acquired and will not be affected by future revisions of allocation percentages for the associated multiple-purpose project facilities. However, the reported costs of certain lands may be subsequently reduced due to receipt of contributions from non-project funds (such as federal grants and miscellaneous income from right-of-way sales) or due to modification of the recreation land use plan.

In these instances, the amounts to be reported in future years will include credits for any reduction in previously reported costs, together with appropriate interest income thereon. If land originally purchased for recreation development is sold, or if nonproject money is received, the amount of the receipt will be reported as a negative project expenditure for the associated facility in the year received. If land originally purchased for recreation development is reclassified multiple-purpose project land, the original purchase price, together with appropriate interest income thereon, will be reported as a negative expenditure for specific land costs in the year the modification occurs, and an appropriate amount will be added to the joint capital costs allocated to recreation for the associated facility.

h) Amounts are 55% (State share) of total costs of acquiring recreation land.

i) The Department requests that this total additional amount of allocated costs and expenditures be approved by the Legislature.

TABLE 4. SUMMARY OF SPECIFIC RECREATION LANDS(a)  
(in acres)

Facility	Acquired(b)	To Be Acquired	Total
Frenchman Lake .....	719	0	719(c)
Antelope Lake .....	1,342	0	1,342(c)
Lake Davis .....	733	0	733(c)
Lake Oroville .....	2,448	24	2,472(c)
Thermalito Forebay and Afterbay.....	200	31	231
Lake Del Valle .....	1,206	0	1,206
San Luis Reservoir and O'Neill Forebay	132	671	803
California Aqueduct (excluding reservoirs)	535	-(d)	535
Castaic Lake .....	779	399	1,178(c)

a) Includes recreation lands for only those project facilities with an established Recreation Land Use and Acquisition Plan.

b) Costs of acquiring these lands are shown in Table 1.

c) In addition to these lands, federal lands have been acquired at a nominal cost to the State of California.

d) Additional land needs are to be identified by future studies.