

**DEPARTMENT OF WATER RESOURCES**

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APR 01 2010

TO: Distribution List

Water Code § 147, which was added by AB 11 of the Fourth Extraordinary Session of 2009 requires the Department of Water Resources (DWR) to report to the Chairs of the Senate and Assembly fiscal committees on DWR's State Water Project (SWP) budget. This report includes the expenditures and revenues of the SWP by program for the current and last two years beginning with 2007-08. This report is submitted in compliance with these requirements.

If you have any questions or need additional information, please contact me at (916) 653-7007, or your staff may contact Raphael Torres, Deputy Director for the State Water Project, at (916) 653-8043.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark W. Cowin".

Mark W. Cowin  
Director

Attachments

Distribution List

✓ Honorable Denise Moreno Ducheny, Chair  
Attention: Jody Martin  
Joint Legislative Budget Committee  
1020 N Street, Room 553  
Sacramento, California 95814

Honorable Robert Blumenfield, Chair  
Assembly Budget Committee  
State Capitol, Room 6026  
Sacramento, California 95814

Honorable Felipe Fuentes, Chair  
Assembly Appropriations Committee  
State Capitol, Room 2114  
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Honorable Christine Kehoe, Chair  
Senate Appropriations Committee  
State Capitol, Room 5050  
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Honorable Lester A. Snow  
Secretary for Natural Resources  
California Natural Resources Agency  
1416 Ninth Street, Room 1311  
Sacramento, California 95814

Mr. William "Chris" Mowrer  
Deputy Secretary for Legislation  
California Natural Resources Agency  
1416 Ninth Street, Room 1311  
Sacramento, California 95814

Mr. E. Dotson Wilson  
Chief Clerk of the Assembly  
State Capitol, Room 3196  
Sacramento, California 95814

Ms. Diane Boyer-Vine  
Attention: Diane Anderson  
Legislative Counsel  
925 L Street, Suite 900  
Sacramento, California 95814

Mr. Mac Taylor  
Legislative Analyst  
Legislative Analyst Office  
925 L Street, Suite 1000  
Sacramento, California 95814

Mr. Gregory Schmidt  
Secretary of the Senate  
State Capitol, Room 400  
Sacramento, California 95814

Mr. Michael Prozio  
Legislative Secretary  
State Capitol Building  
Office of the Governor  
Sacramento, California 95814

Ms. Sue Sims  
Chief Deputy Director  
Department of Water Resources  
1416 Ninth Street, Room 1115-1  
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Mr. David Sandino  
Office of the Chief Counsel  
Department of Water Resources  
1416 Ninth Street, Room 1104  
Sacramento, California 95814

Mr. Kasey Schimke  
Legislative Affairs Office  
Department of Water Resources  
1416 Ninth Street, Room 1115-19  
Sacramento, California 95814

**Water Code Section 147 (b)(1)**

**A description of the expenditures made, or projected to be made, as applicable, on behalf of the State Water Resources Development System, by program and fund, and of the total revenues expended, or projected to be expended, as applicable, for that system, including each fund source.**

**California Natural Resources Agency, Department of Water Resources  
Summary of Revenues and Expenditures for  
the State Water Resources Development System  
Actuals for the years ended June 30, 2008 & June 30, 2009  
Budget for the year ending June 30, 2010**

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**The State Water Resources Development System**

The information provided describes the revenue and expenditures for the State Water Resources Development System (SWRDS, the System) for the years ended June 30, 2008 and June 30, 2009. The fiscal budget for 2009/10 was also included providing a three year disclosure of SWRDS activities. The System includes the State Water Project (SWP), the Davis-Grunsky Act Program, and the San Joaquin Drainage Implementation Program. This summary does not relate to DWR's other governmental and proprietary funds. An enterprise fund accounts for the acquisition, operation, and maintenance of governmental facilities and services that are entirely or predominantly self-supporting by user charges. Three Public Service Enterprise Funds (proprietary funds) are consolidated for financial reporting of the SWRDS. The three enterprise funds are as follows:

- California Water Resources Development Bond Fund – Used to account for the proceeds of general obligation bonds.
- Central Valley Water Project Construction Fund – Used to account for the proceeds of revenue bonds issues and appropriations by the State and the federal government.
- Central Valley Water Project Revenue Fund – Used to account for the redemption of bonds and payment of interest, commencing one year from the completion of the project.

The SWP encompasses a complex of dams, reservoirs, pumping plants, power plants, aqueducts, and pipelines owned and operated by the State of California. The SWP was developed in order to deliver water to areas of need throughout the State for domestic, industrial, and agricultural purposes, as well as to provide flood control, recreation, fish and wildlife enhancement, hydroelectric power, and other benefits. DWR is responsible for the planning, construction, and operation of the SWP. The construction program commenced in 1957 and approximately 700 miles of the SWP has been completed. The System has entered into long-term water supply contracts with 29 customers; known as the "Water Contractors," in order to recover substantially all System costs. The Water Contractors may request up to maximum annual amounts totaling 4,172,786 acre-feet of water from the System. This maximum does not assure delivery of that amount of water, but rather provides the basis for proportional allocation of available supplies among the Water Contractors.

Portions of the SWP system consist of facilities developed and used jointly with the Federal Central Valley Water Project (CVP) operated by the U.S. Department of the Interior's Bureau of Reclamation (Reclamation). In addition, both projects have primary sources of water north of the Sacramento-San Joaquin Delta (Delta), transport water across the Delta, and draw water from the southern edge of the Delta. The CVP, like the SWP, provides water for irrigation in the Central Valley, urban water supply, water quality, flood control, power, recreation, and fish and wildlife enhancement. Costs for the jointly developed facilities are shared approximately 55 percent State and 45 percent federal. In 1986, the System and Reclamation entered into a Coordinated Operation Agreement (COA) under which the SWP and the CVP coordinate operations, including releases from upstream reservoirs and pumping from the Delta. The COA permits increased operational efficiency of both projects, ensures that each project receives an equitable share of available surplus water, and provides for sharing of responsibilities in meeting certain Delta water quality standards.

## Program Element Descriptions

### 10.10 Water Management Planning

The California Water Plan is a general guide for water management activities throughout the State. The plan includes a water management element that evaluates available supply; estimates future water needs, surpluses and deficiencies by hydrologic areas; outlines water problems; and proposes solutions. It also consists of the Phase II water quality basin plans prepared by the State Water Resources Control Board and the Regional Water Quality Control Boards. DWR also reviews plans for water development and water management proposed by other government agencies and develops the State's position on interstate and federal-State water resources issues. California's water issues are continually evaluated to reflect economic, agricultural, municipal, industrial, and environmental needs.

Among the water management issues being considered are: water exchanges, surface water development, drainage, identification of ground water storage resources, conjunctive use of surface and ground water supplies, climate change and the more efficient use of water through conservation.

### 10.20 New Sources of Water

Growth in California is projected to continue in the foreseeable future. At the same time, competition among water uses puts an additional strain on currently developed supplies. Additional surface water resources are increasingly costly to develop and environmentally sensitive while ground water use is subject to physical, legal, and economic constraints. This program involves cooperative efforts on the part of local, federal, and State agencies to develop technical, cost, and environmental impact information relative to potential water reuse through wastewater reclamation and desalting.

### 20.10 Planning and Investigations for the State Water Resources Development System

Although the construction of the initial stage of the SWP is complete, the demands on the project now exceed firm yield. Planning and management work must continue on additional water supply and conveyance features in order to meet later year contractual delivery levels of approximately twice the existing firm yield of the project. Under this program element, activities include geologic studies, cost estimates, economic analyses, project surface and groundwater yield studies, flood control studies, fish, wildlife, and recreation resources development studies, water quality studies, environmental studies, and determination of land acquisition requirements. Project power development studies, including power purchase and exchange agreements, must continue to ensure an adequate power supply for operation of the SWP and to protect the rights on power transmission arrangements.

Detailed planning studies are conducted to determine actions necessary to meet project contractual requirements and to select additional project features to satisfy both local and export water requirements. Protection and enhancement of fish and wildlife are planned and developed as part of the project. Specific plans for recreation development at SWP facilities are prepared to ensure that water project recreation resources are adequately developed.

Water rights considerations in connection with the SWP are investigated, and project effects on physical and environmental conditions are monitored and evaluated. This element

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State Water Resources Development System  
Actuals for the years ended June 30, 2008 & June 30, 2009  
Budget for the year ending June 30, 2010

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provides funds to the Attorney General's office for legal services in actions to protect the water rights of the SWP.

A cooperative study involving DWR, the California Department of Fish and Game, the U.S. Department of the Interior's Bureau of Reclamation, and the U.S. Fish and Wildlife Service is proceeding to develop joint operating criteria and procedures for the SWP and CVP for the protection of the Delta, Suisun Marsh and San Francisco Bay Fish and Wildlife Resources. This activity includes ecological studies of striped bass and other species, general water quality studies, marsh management studies, and studies concerned with evaluation and development of fish screening facilities.

The San Joaquin Valley drainage activity collects and provides data and information necessary for planning and implementing agricultural waste water management in the San Joaquin Valley.

#### **20.20 Design, Right of Way, and Construction of the State Water Resources Development System**

Under this program element, detailed designs, plans, and specifications are prepared and contracts for the construction of specific features of SWRDS are administered. Concurrently, right of way is procured and agreements for utility relocations are obtained. This element includes capitalized operations and maintenance activities to prepare new facilities and to make major modifications, if needed, after the facility becomes operational.

#### **20.30 Operation and Maintenance of the State Water Resources Development System**

Operations and maintenance of completed facilities of the SWP are conducted through two levels of activities: utility operations and operation and maintenance of individual facilities.

Utility operations activities are concerned with maximizing water delivery capability of constructed facilities within the limits of contractual obligations and availability of water while minimizing net pumping power costs. Operational objectives and schedules are developed and implemented in consultation and coordination with Water Contractors and federal agencies.

Operations and maintenance activities include the operation of individual facilities, and routine or extraordinary maintenance required for optimum SWP functioning. Other activities include specialized testing and technical inspections, consulting board investigations, surveillance of dams and structures through system instrumentation and precise topographical surveys, corrosion control, plant operating practices review, safety, real property management, and annual mitigation measures at certain SWP facilities.

#### **20.40 State Financial Assistance for Local Projects**

This program element provides loans for feasibility studies, reservoir site acquisitions, and construction costs of local projects. Grants are provided for certain recreation, fish and wildlife enhancement, and initial water supply and sanitary facilities costs. The State may also participate with an applicant as a partner under certain circumstances.

California Natural Resources Agency, Department of Water Resources  
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Projects approved for assistance must be found by DWR to be in substantial conformance with the California Water Plan, be engineeringly feasible, economically justified, and, if a loan is proposed, there must be reasonable assurance that the public agency can repay it. Loans may be made only for that portion of the project cost beyond the reasonable ability of the public agency to obtain funds from other sources. DWR must impose terms and conditions necessary to protect the State's investment and carry out the objectives of the program. Also included in this element is the program component for loans to local agencies for water distribution systems.

**20.50 Financial and Contract Management of the State Water Resources Development System**

The SWRDS is financed from a variety of sources: general obligation bonds authorized by the Burns-Porter Act, revenue bonds authorized by the CVP Act, Federal funds appropriated for flood control, funds advanced from Water Contractors, appropriations from the California Water Fund, State-appropriated funds for recreation and fish and wildlife enhancement, and miscellaneous funds including funds earned from investment. Public agencies contracting for project water are required to repay the construction costs with interest, and the costs of operating and maintaining the water supply facilities.

The people of California, as the beneficiaries, through governmental appropriations, repay the costs of constructing, operating, and maintaining recreation and fish and wildlife enhancement facilities.

Projections are made of future financial conditions. The Water Contractors and utilities are billed for water delivered and power generated. Bond counsel, financial consultants, financial institutions, and the State Treasurer are retained to assist DWR in marketing bonds and administering bond sales. The above activities devoted to maintaining the financial integrity of SWRDS are contained within this program element.

California Natural Resources Agency, Department of Water Resources  
 Summary of Revenues and Expenditures for the State Water Resources Development System  
 Consolidated: Fund 0502, 0506, 0507  
 Actuals for the years ended June 30, 2008 & June 30, 2009  
 Budget for the years ending June 30, 2010  
 (in thousands)

		CONSOLIDATED		
		Actuals		Current Year Estimates
		FY2008	FY2009	FY2010
1	Revenues:			
2	Property and Natural Resources			
3	Power Sales	202,077	167,520	-
4	State Water Project Contractors			
5	O & M Cost Recovery			
6	Conservation	58,079	67,344	-
7	Transportation	218,668	275,494	-
8	Variable Cost Recovery			
9	Transportation	204,178	67,960	-
10	Capital Cost Recovery			
11	Conservation	51,644	50,384	-
12	Transportation	237,339	254,299	-
13	Replacements			
14	Conservation	(18,156)	-	-
15	Transportation	8,022	12,743	-
16	State Water Project Contractors - Total	759,774	728,224	1,016,507
17	Other Customers	7,547	1,893	-
18	Federal Share:			
19	O&M Cost Recovery	20,209	16,234	-
20	Capital Cost Recovery	783	2,032	550,520
21	Recreation Cost Recovery	3,334	3,238	1,710
22	Federal Share - Total	24,327	21,503	552,230
23	Investment/Interest Earnings	58,202	(42,421)	-
24	Total Revenues	\$ 1,051,927	\$ 876,719	\$ 1,568,737

		CONSOLIDATED		
		Actuals		Current Year Estimates
25	Expenses			
26	State Operations			
27	10.10 Water Management Planning	7,483	6,506	13,522
28	10.20 New Sources of Water	2,490	2,375	3,240
29	20.10 Planning & Investigations of the SWRDS	44,124	45,701	75,208
30	20.20 Design, Right of Way & Const of SWRDS	101,632	33,838	44,175
31	20.30 Operations & Maintenance of SWRDS			132,000
32	Power Purchase Expenses	334,277	215,600	411,749
33	Operations & Maintenance Expenses	211,886	272,382	316,990
34	20.40 State Financial Assist for Local Projects	-	-	-
35	20.50 Financial Mgmt & Contract of the SWRDS	54,464	54,419	21,571
36	State Operations - Total	756,358	630,821	1,018,455
37	Capital Outlay			
38	10.10 Water Management Planning	-	-	-
39	20.00 Implementation of the SWRDS	-	-	-
40	20.10 Planning & Investigations of the SWRDS	156,778	-	281,922
41	20.20 Design, Right of Way & Const of SWRDS	154,398	260,278	15,739
42	20.30 Operations & Maintenance of SWRDS	59,908	93,776	254,806
43	20.50 Financial Mgmt & Contract of the SWRDS	(9,899)	-	-
44	Capital Outlay - Total	361,185	354,054	552,467
45	Local Assistance			
46	20.10 Planning & Investigations of the SWRDS	-	-	-
47	20.30 Operations & Maintenance of SWRDS	350	738	-
48	Loan Repayment	-	-	(2,185)
49	Local Assistance - Total	350	738	(2,185)
50	Recovery of Deferred Expenses			
51	Operations & Maintenance Expenses	45,427	-	-
52	Capital Recovery	20,595	(45,619)	-
53	Transfer-In/Transfer-Out - Total	681	(459)	-
54	Deferred Expenses			
55	Operations & Maintenance Expenses	-	24,004	-
56	Capital Recovery	-	3,661	-
57	State's Recreation Expenses	-	-	-
58	Capital Recreation	(1,412)	4,280	-
59	O&M Recreation	(8,070)	9,721	-
60	Capitalized Expenses (Additional Assets)	(123,186)	(104,483)	-
61	Total Expenses	\$ 1,051,927	\$ 876,719	\$ 1,568,737
62				
63	Total Change in Fund Balance	\$	\$	\$

- a The Capital Outlay of the State Water Resources Development System is capitalized resulting in an increase in Balance Sheet Assets.
- b This is the published Change in Fund Balance as reported after the SWRDS audit is completed. SCO Legal Statements and DOF Fund Condition Statements are based on pre-audit information and do not represent the published fund balance reported under GAAP accounting standards generally accepted in the United States of America and the standards applicable to financial audits contained in Governmental Auditing Standards, issued by the Comptroller General of the United States of America.
- c Costs are budgeted in 20.50 then allocated out to programs resulting in a variance in program 50 reported budget in comparison to actuals.
- d Revenues are budgeted in total to represent full reimbursement of expenditures. Once actual revenues are recorded, the budgeted revenues can be separated by billing component/type of revenue recovery.

California Natural Resources Agency, Department of Water Resources  
 Summary of Revenues and Expenditures for the State Water Resources Development System  
 Fund: 0502 Bond Fund  
 Actuals for the years ended June 30, 2008 & June 30, 2009  
 Budget for the years ending June 30, 2010  
 (in thousands)

BOND FUND (0502)

		Actuals		Current Year Estimates
		FY2008	FY2009	FY2010
1	<b>Revenues:</b>			
2	Property and Natural Resources			
3	Power Sales	190,626	153,059	-
4	State Water Project Contractors			
5	O & M Cost Recovery			
6	Conservation	58,079	67,344	-
7	Transportation	162,927	213,716	-
8	Variable Cost Recovery			
9	Transportation	204,178	67,960	-
10	Capital Cost Recovery			
11	Conservation	51,644	50,384	-
12	Transportation	122,587	129,419	-
13	Replacements			
14	Conservation	(18,156)	-	-
15	Transportation	8,022	12,743	-
16	State Water Project Contractors - Total	589,282	541,567	882,742
17	Other Customers	8,137	1,646	-
18	Federal Share:			
19	O&M Cost Recovery	20,209	16,234	-
20	Capital Cost Recovery	-	-	-
21	Recreation Cost Recovery	-	-	-
22	Federal Share - Total	20,209	16,234	-
23	Investment/Interest Earnings	30,511	(29,569)	-
24	<b>Total Revenues</b>	<b>\$ 838,764</b>	<b>\$ 682,936</b>	<b>\$ 882,742</b>

BOND FUND (0502)

		Actuals		Current Year Estimates
		FY2008	FY2009	FY2010
25	<b>Expenses</b>			
26	State Operations			
27	10.10 Water Management Planning	7,483	6,506	13,522
28	10.20 New Sources of Water	2,490	2,375	3,240
29	20.10 Planning & Investigations of the SWRDS	44,124	45,701	75,208
30	20.20 Design, Right of Way & Const of SWRDS	101,632	33,838	44,175
31	20.30 Operations & Maintenance of SWRDS			
32	Power Purchase Expenses	334,277	215,600	411,749
33	Operations & Maintenance Expenses	211,886	272,382	316,990
34	20.40 State Financial Assist for Local Projects	-	-	-
35	20.50 Financial Mgmt & Contract of the SWRDS	54,464	54,419	19,806
36	State Operations - Total	756,358	630,821	884,690
37	Capital Outlay			
38	10.10 Water Management Planning	-	-	-
39	20.00 Implementation of the SWRDS	-	-	-
40	20.10 Planning & Investigations of the SWRDS	-	-	-
41	20.20 Design, Right of Way & Const of SWRDS	-	-	-
42	20.30 Operations & Maintenance of SWRDS	-	-	-
43	20.50 Financial Mgmt & Contract of the SWRDS	-	-	-
44	Capital Outlay - Total	-	-	-
45	Local Assistance			
46	20.10 Planning & Investigations of the SWRDS	-	-	-
47	20.30 Operations & Maintenance of SWRDS	350	738	-
48	Loan Repayment	-	-	(1,948)
49	Local Assistance - Total	350	738	(1,948)
50	Recovery of Deferred Expenses			
51	Operations & Maintenance Expenses	45,427	-	-
52	Capital Recovery	20,595	-	-
53	Transfer-In/Transfer-Out - Total	681	(459)	-
54	Deferred Expenses			
55	Operations & Maintenance Expenses	-	24,004	-
56	Capital Recovery	-	3,661	-
57	State's Recreation Expenses			
58	Capital Recreation	(1,412)	4,280	-
59	O&M Recreation	(8,070)	9,721	-
60	Capitalized Expenses (Additional Assets)	-	-	-
61	<b>Total Expenses</b>	<b>\$ 813,928</b>	<b>\$ 672,766</b>	<b>\$ 882,742</b>
62				
63	<b>Total Change in Fund Balance</b>	<b>\$ 24,836</b>	<b>\$ 10,170</b>	<b>\$ -</b>

- a The Capital Outlay of the State Water Resources Development System is capitalized resulting in an increase in Balance Sheet Assets.
- b This is the published Change in Fund Balance as reported after the SWRDS audit is completed. SCO Legal Statements and DOF Fund Condition Statements are based on pre-audit information and do not represent the published fund balance reported under GAAP accounting standards generally accepted in the United States of America and the standards applicable to financial audits contained in Governmental Auditing Standards, issued by the Comptroller General of the United States of America.
- c Costs are budgeted in 20.50 then allocated out to programs resulting in a variance in program 50 reported budget in comparison to actuals.
- d Revenues are budgeted in total to represent full reimbursement of expenditures. Once actual revenues are recorded, the budgeted revenues can be separated by billing component/type of revenue recovery.

California Natural Resources Agency, Department of Water Resources  
 Summary of Revenues and Expenditures for the State Water Resources Development System  
 Fund: 0506 Construction Fund  
 Actuals for the years ended June 30, 2008 & June 30, 2009  
 Budget for the years ending June 30, 2010  
 (in thousands)

CONSTRUCTION FUND (0506)

Actuals Current Year Estimates

	FY2008	FY2009	FY2010
1 Revenues:			
2 Property and Natural Resources			
3 Power Sales	-	-	-
4 State Water Project Contractors	-	-	-
5 O & M Cost Recovery			
6 Conservation	-	-	-
7 Transportation	-	-	-
8 Variable Cost Recovery			
9 Transportation	-	-	-
10 Capital Cost Recovery			
11 Conservation	-	-	-
12 Transportation	86	327	-
13 Replacements			
14 Conservation	-	-	-
15 Transportation	-	-	-
16 State Water Project Contractors - Total	86	327	-
17 Other Customers	(590)	247	-
18 Federal Share:			
19 O&M Cost Recovery	-	-	-
20 Capital Cost Recovery	783	2,032	550,520
21 Recreation Cost Recovery	3,334	3,238	1,710
22 Federal Share - Total	4,118	5,269	552,230
23 Investment/Interest Earnings	8,720	4,297	-
24 Total Revenues	\$ 12,533	\$ 10,140	\$ 552,230

CONSTRUCTION FUND (0506)

Actuals Current Year Estimates

	FY2008	FY2009	FY2010
25 Expenses			
26 State Operations			
27 10.10 Water Management Planning	-	-	-
28 10.20 New Sources of Water	-	-	-
29 20.10 Planning & Investigations of the SWRDS	-	-	-
30 20.20 Design, Right of Way & Const of SWRDS	-	-	-
31 20.30 Operations & Maintenance of SWRDS	-	-	-
32 Power Purchase Expenses	-	-	-
33 Operations & Maintenance Expenses	-	-	-
34 20.40 State Financial Assist for Local Projects	-	-	-
35 20.50 Financial Mgmt & Contract of the SWRDS	-	-	-
36 State Operations - Total	-	-	-
37 Capital Outlay			
38 10.10 Water Management Planning	-	-	-
39 20.00 Implementation of the SWRDS	-	-	-
40 20.10 Planning & Investigations of the SWRDS	156,778	-	281,922
41 20.20 Design, Right of Way & Const of SWRDS	-	137,323	15,739
42 20.30 Operations & Maintenance of SWRDS	-	-	254,806
43 20.50 Financial Mgmt & Contract of the SWRDS	(9,899)	-	-
44 Capital Outlay - Total	146,878	137,323	552,467
45 Local Assistance			
46 20.10 Planning & Investigations of the SWRDS	-	-	-
47 20.30 Operations & Maintenance of SWRDS	-	-	-
48 Loan Repayment	-	-	(237)
49 Local Assistance - Total	-	-	(237)
50 Recovery of Deferred Expenses			
51 Operations & Maintenance Expenses	-	-	-
52 Capital Recovery	-	(45,619)	-
53 Transfer-In/Transfer-Out - Total	-	-	-
54 Deferred Expenses			
55 Operations & Maintenance Expenses	-	-	-
56 Capital Recovery	-	-	-
57 State's Recreation Expenses			
58 Capital Recreation	-	-	-
59 O&M Recreation	-	-	-
60 Capitalized Expenses (Additional Assets)	(123,186)	(104,483)	-
61 Total Expenses	\$ 23,693	\$ (12,779)	\$ 552,230
62 Total Change in Fund Balance	\$ (11,360)	\$ 22,919	\$ -

- a The Capital Outlay of the State Water Resources Development System is capitalized resulting in an increase in Balance Sheet Assets.
- b This is the published Change in Fund Balance as reported after the SWRDS audit is completed. SCO Legal Statements and DOF Fund Condition Statements are based on pre-audit information and do not represent the published fund balance reported under GAAP accounting standards generally accepted in the United States of America and the standards applicable to financial audits contained in Governmental Auditing Standards, issued by the Comptroller General of the United States of America.
- c Costs are budgeted in 20.50 then allocated out to programs resulting in a variance in program 50 reported budget in comparison to actuals.
- d Revenues are budgeted in total to represent full reimbursement of expenditures. Once actual revenues are recorded, the budgeted revenues can be separated by billing component/type of revenue recovery.

California Natural Resources Agency, Department of Water Resources  
 Summary of Revenues and Expenditures for the State Water Resources Development System  
 Fund: 0507 Revenue Fund  
 Actuals for the years ended June 30, 2008 & June 30, 2009  
 Budget for the years ending June 30, 2010  
 (in thousands)

		REVENUE FUND (0507)		
		Actuals		Current Year Estimates
		FY2008	FY2009	FY2010
1	<b>Revenues:</b>			
2	Property and Natural Resources			
3	Power Sales	11,452	14,460	-
4	State Water Project Contractors	-	-	-
5	O & M Cost Recovery			
6	Conservation	-	-	-
7	Transportation	55,741	61,777	-
8	Variable Cost Recovery			
9	Transportation	-	-	-
10	Capital Cost Recovery			
11	Conservation	-	-	-
12	Transportation	114,666	124,553	-
13	Replacements			
14	Conservation	-	-	-
15	Transportation	-	-	-
16	State Water Project Contractors - Total	170,407	186,330	133,765
17	Other Customers	-	-	-
18	Federal Share:			
19	O&M Cost Recovery	-	-	-
20	Capital Cost Recovery	-	-	-
21	Recreation Cost Recovery	-	-	-
22	Federal Share - Total	-	-	-
23	Investment/Interest Earnings	18,971	(17,148)	-
24	<b>Total Revenues</b>	<b>\$ 200,830</b>	<b>\$ 183,643</b>	<b>\$ 133,765</b>

		REVENUE FUND (0507)		
		Actuals		Current Year Estimates
		FY2008	FY2009	FY2010
25	<b>Expenses</b>			
26	State Operations			
27	10.10 Water Management Planning	-	-	-
28	10.20 New Sources of Water	-	-	-
29	20.10 Planning & Investigations of the SWRDS	-	-	-
30	20.20 Design, Right of Way & Const of SWRDS	-	-	-
31	20.30 Operations & Maintenance of SWRDS	-	-	132,000
32	Power Purchase Expenses	-	-	-
33	Operations & Maintenance Expenses	-	-	-
34	20.40 State Financial Assist for Local Projects	-	-	-
35	20.50 Financial Mgmt & Contract of the SWRDS	-	-	1,765
36	State Operations - Total	-	-	133,765
37	Capital Outlay			
38	10.10 Water Management Planning	-	-	-
39	20.00 Implementation of the SWRDS	-	-	-
40	20.10 Planning & Investigations of the SWRDS	-	-	-
41	20.20 Design, Right of Way & Const of SWRDS	154,398	122,955	-
42	20.30 Operations & Maintenance of SWRDS	59,908	93,776	-
43	20.50 Financial Mgmt & Contract of the SWRDS	-	-	-
44	Capital Outlay - Total	214,306	216,731	-
45	Local Assistance			
46	20.10 Planning & Investigations of the SWRDS	-	-	-
47	20.30 Operations & Maintenance of SWRDS	-	-	-
48	Loan Repayment	-	-	-
49	Local Assistance - Total	-	-	-
50	Recovery of Deferred Expenses			
51	Operations & Maintenance Expenses	-	-	-
52	Capital Recovery	-	-	-
53	Transfer-In/Transfer-Out - Total	-	-	-
54	Deferred Expenses			
55	Operations & Maintenance Expenses	-	-	-
56	Capital Recovery	-	-	-
57	State's Recreation Expenses			
58	Capital Recreation	-	-	-
59	O&M Recreation	-	-	-
60	Capitalized Expenses (Additional Assets)	-	-	-
61	<b>Total Expenses</b>	<b>\$ 214,306</b>	<b>\$ 216,731</b>	<b>\$ 133,765</b>
62				
63	<b>Total Change in Fund Balance</b>	<b>\$ (13,476)</b>	<b>\$ (33,089)</b>	

- a The Capital Outlay of the State Water Resources Development System is capitalized resulting in an increase in Balance Sheet Assets.
- b This is the published Change in Fund Balance as reported after the SWRDS audit is completed. SCO Legal Statements and DOF Fund Condition Statements are based on pre-audit information and do not represent the published fund balance reported under GAAP accounting standards generally accepted in the United States of America and the standards applicable to financial audits contained in Governmental Auditing Standards, issued by the Comptroller General of the United States of America.
- c Costs are budgeted in 20.50 then allocated out to programs resulting in a variance in program 50 reported budget in comparison to actuals.
- d Revenues are budgeted in total to represent full reimbursement of expenditures. Once actual revenues are recorded, the budgeted revenues can be separated by billing component/type of revenue recovery.

**Water Code Section 147 (b)(2)**

**A description of the positions within the department that carry out functions related to the State Water Resources Development System, and the total number of those positions.**

Following is a description of the functions that are carried out by DWR staff in support of the SWP operations. This report also contains total personnel years by classification for each SWP function. Please note that Department employees often work on multiple projects and programs across DWR; therefore, only a fraction of their time may be spent on SWP-related activities.

**Operations & Maintenance**

Staff operates and maintains the SWP within regulatory requirements while fulfilling its objectives to conserve and deliver water and to provide flood control, recreation, and benefits to fish and wildlife enhancement.

Field division staff are responsible for actual operations and maintenance of completed features of the SWP. This includes but is not limited to operation of pumping plants, control systems, check structures, and turnouts; making water deliveries; maintenance of electrical, mechanical and mobile equipment, and all buildings and structures; and repairs to these features. Staff prepares plans for scheduling maintenance of equipment, taking into account complex interrelated factors pertaining to water and power delivery obligations.

Plant asset management staff formulates, recommends, and implements policy for operations and maintenance of the SWP. Staff provides technical guidance for maintenance, testing and analysis of installed equipment, and development and implementation of the automated maintenance management information system. Communications staff manages all communications systems for the SWP. Asset support staff prepares drawings and documentation required to support the operations and maintenance of the SWP.

Operations support staff provides civil engineering and environmental services, manages the SWP dam safety program, coordinates the security program, and manages program planning and budgeting activities.

Water and power dispatching staff assures reliable and efficient scheduling and dispatching operations which run 24/7. This includes coordination activities with interconnected electrical utilities and agencies. Staff issues operating and dispatching procedures governing technical operation of the SWP and are responsible for all switching procedures and compliance with operational regulatory requirements.

Operations and Maintenance Classification	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
ADMIN. OFFICER I, RESOURCES AGENCY	0.01		
ADMIN. OFFICER II, RESOURCES AGENCY	0.02		
ARCHITECTURAL ASSOCIATE	1.13	0.94	0.94
ARCHITECTURAL DESIGNER	0.19	0.42	0.42
ASSOC ARCHITECT	0.35	0.88	0.88
ASSOC CONTROL ENGR	10.55	11.14	11.14
ASSOC CORROSION ENGR	3.58	2.93	2.93
ASSOC COST ESTIMATOR WR	0.12	0.47	0.47
ASSOC ELECL ENGR HS	2.92	1.61	1.61
ASSOC GOVERNMENT PROG ANALYST	1.56	2.62	2.62

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Operations and Maintenance Classification	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
ASSOC HEP UTILITY ENGINEER	25.86	24.18	29.88
ASSOC INFO SYSTEMS ANALYST (SPEC)	1.06	2.54	2.54
ASSOC LAND & WATER USE SCIENTIST	0.03	0.01	0.01
ASSOC LAND AGENT	0.09	0.04	0.04
ASSOC MECH ENGR HS	0.82	0.57	0.57
ASSOC PROGRAMMER ANALYST (SPEC)	0.51	0.45	0.45
ASSOC SEISMOLOGIST	1.00	0.99	0.99
ASSOC SPEC WRITER HS	1.51	0.95	0.95
ASSOC TELECOM ENGR	0.01	3.24	3.24
ASSOC ENVIRONMENTAL PLANNER (ARCH)	0.12	0.07	0.07
ASSOCIATE ELECTRICAL ENGR	0.03		
ASSOCIATE SAFETY ENGINEER		0.66	0.66
ASST TELECOMMUNICATIONS ENGR		0.49	0.49
ASST UTILITY CRAFTSWORKER SUPT. WR	1.18	1.12	1.12
AUTOMOBILE MECHANIC	0.35		
BUILDING MAINTENANCE WORKER	14.55	14.57	14.57
BUSINESS SVCS ASST (SPEC)	0.01	0.01	0.01
CHIEF ENGR FISHERIES VESSEL	1.11	0.99	0.99
CHIEF HEP OPERATOR	12.09	14.42	14.42
CONSTR INSPECTOR TECH WR	0.50	2.27	2.27
CONSTRUCTION MGMT SUPV	2.68	2.30	2.30
CONSTRUCTION SUPV I WR	3.66	3.24	3.24
CONSTRUCTION SUPV II WR	2.25	4.59	4.59
CONTROL SYS TECH I	3.83	6.06	6.06
CONTROL SYSTEM TECHNICIAN II	15.85	14.35	14.35
CONTROL SYSTEM TECHNICIAN III	7.52	8.49	8.49
DRAFTING SERVICES AID	0.41		
ELEC CONSTR SUPV I	2.44	1.29	1.29
ELEC CONSTR SUPV II		0.06	0.06
ELEC ENGINEERING TECH I	0.90	0.96	0.96
ELEC ENGINEERING TECH III	1.30	0.61	0.61
ELEC MECH TESTING TECH II	7.66	11.52	11.52
ELEC-MECH TESTING TECH I	4.36	2.25	2.25
ELEC-MECH TESTING TECH III	5.51	5.90	5.90
ELECTRICAL ENGINEER	7.91	9.70	14.45
ENGINEER, WR	37.23	41.94	41.94
ENGINEERING GEOLOGIST	2.57	2.86	2.86
ENVIRONMENTAL PROG. MGR. I (SUPV)	1.62	1.43	1.43
ENVIRONMENTAL SCIENTIST	14.55	16.87	16.87
EXHIBIT DESIGNER/COORDINATOR	0.84	0.69	0.69
FISH & WILDLIFE SCIENTIFIC AID	4.37	2.66	2.66
FISH AND WILDLIFE TECHNICIAN	3.15	4.13	4.13
GRADUATE STUDENT ASST	0.29	0.38	0.38
GRAPHIC DESIGNER I	0.10	0.24	0.24
GRAPHIC DESIGNER II	0.22	0.33	0.33
GRAPHIC DESIGNER III	0.88	0.93	0.93
GRAPHIC SERVICES SUPV	0.03	0.01	0.01

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Operations and Maintenance Classification	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
GUIDE I, HIST MONUMENT	1.56	1.11	1.11
GUIDE II, HIST MONUMENT (SPEC)	4.58	4.62	4.62
HEALTH AND SAFETY OFFICER	1.09	1.12	1.12
HEAVY EQUIP MECH	16.29	18.20	18.20
HYDROEL PLANT ELEC APPRENTICE	12.01	12.83	12.83
HYDROEL PLANT ELEC I	51.77	48.73	49.68
HYDROEL PLANT ELEC II	20.72	19.05	19.05
HYDROEL PLANT ELEC SUPV	7.89	8.55	8.55
HYDROEL PLANT MAINT SUPT	0.11		
HYDROEL PLANT MECH APPRENTICE	13.59	15.93	15.93
HYDROEL PLANT MECH I	74.30	73.85	74.80
HYDROEL PLANT MECH II	21.91	24.31	24.31
HYDROEL PLANT MECH SUPV	9.57	10.29	10.29
HYDROEL PLANT OPR APPRENTICE	26.41	28.65	28.65
HYDROELECTRIC PLANT OPERATOR	60.36	62.65	62.65
INSPECTOR OF AUTOMOTIVE EQUIPMENT	0.07	0.04	0.04
INSTRUMENT TECHNICIAN, AIR QUALITY	0.89		
JR ENGRG TECH	5.89	8.36	8.36
LABOR RELATIONS MANAGER I		0.19	0.19
MAINT MECHANIC	1.94	1.83	1.83
MANAGEMENT SERVICES TECH	0.04	0.02	0.02
MATE, FISH & GAME VESSEL	0.99	0.96	0.96
MECH CONSTR SUPV I	1.59	0.72	0.72
MECH CONSTR SUPV II	0.30	0.30	0.30
MECHANICAL ENGINEER	14.08	13.46	13.46
MECHANICAL ENGINEERING TECHNICIAN I	0.11	0.25	0.25
MOBILE EQUIP SUPERINTENDENT I	5.35	5.29	5.29
OFFICE ASSISTANT (GENERAL)	0.41	0.55	0.55
OFFICE ASSISTANT (TYPING)	0.02	0.05	0.05
OFFICE TECH (TYPING)	1.12	1.42	1.42
OPERATIONS RESEARCH SPEC III	1.11	0.92	0.92
PHOTOGRAMMETRIST I	0.01	0.19	0.19
PHOTOGRAMMETRIST II	0.84	0.30	0.30
PRECISION ELEC SPEC	0.78	2.25	2.25
PRINCIPAL HEP UTILITY ENGINEER		0.83	0.83
PROGRAM TECHNICIAN III	0.08		
PROGRAM WTR + PWR DISPATCHER	1.13		
PROGRAMMER II	0.99		
RESEARCH ANALYST I (GEO-INFO-SYS)	0.52	0.46	0.46
RESEARCH ANALYST II (GEO-INFO-SYS)	0.09	0.45	0.45
RESEARCH PROG SPEC II (ECON)	0.06	0.33	0.33
RESEARCH WRITER	0.04	0.61	0.61
RIGHT OF WAY AGENT	0.37	0.45	0.45
SECRETARY	0.01		
SENIOR ARCHITECT	0.32	0.68	0.68
SENIOR CONTROL ENGINEER (SPECIALIST)	0.74	0.98	0.98
SENIOR CONTROL ENGR (SUPV)	4.41	2.56	2.56

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Operations and Maintenance Classification	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
SENIOR CORROSION ENGR	0.93	0.76	0.76
SENIOR DELINEATOR	4.06	3.60	3.60
SENIOR ELEC ENGR HS	1.18	0.72	0.72
SENIOR ENGR WR	14.30	19.09	19.09
SENIOR ENGRG GEOLOGIST	1.66	1.81	1.81
SENIOR ENVIRONMENTAL PLANNER	0.08	0.12	0.12
SENIOR ENVIRONMENTAL SCIENTIST	2.19	3.60	3.60
SENIOR HEP OPERATOR	28.72	31.51	31.51
SENIOR HEP UTILITY ENGINEER (SPEC)	8.70	3.91	3.91
SENIOR HEP UTILITY ENGINEER (SUPV)	14.08	11.21	11.21
SENIOR INFO SYS ANALYST (SPEC)	1.10	1.07	1.07
SENIOR LAND & WATER USE SCIENTIST	0.02	0.23	0.23
SENIOR LAND AGENT (SUPV)	0.06	0.13	0.13
SENIOR LAND SURVEYOR	1.06	1.12	1.12
SENIOR MECH ENGR HS	1.44	2.08	2.08
SENIOR METEOROLOGIST WR	0.11	0.11	0.11
SENIOR PHOTOGRAPHER	0.10	0.10	0.10
SENIOR PROG ANALYST (SPEC)	1.26	2.09	2.09
SENIOR PROG ANALYST (SUPV)		0.26	0.26
SENIOR SEISMOLOGIST	1.51	1.51	1.51
SENIOR TELECOM ENGR		1.43	1.43
SENIOR WATER & POWER DISPATCHER	9.97	11.65	11.65
SR LAND AGENT (SPEC)	0.01	0.06	0.06
STAFF ENVIRONMENTAL SCIENTIST	9.39	9.77	10.72
STAFF INFO SYS ANALYST (SPEC)	4.92	5.08	5.08
STAFF LAND & WATER USE SCIENTIST	0.01	0.09	0.09
STAFF PROG ANALYST (SPEC)	1.09	0.22	0.22
STAFF SERVICES ANALYST (GEN)	2.17	2.15	3.1
STAFF SERVICES MANAGER II (MGR)	0.05	0.49	0.49
STAFF SERVICES MANAGER III	0.51	0.54	0.54
STRUCTURAL DESIGN TECH I		0.29	0.29
STRUCTURAL DESIGN TECH II	0.06	0.35	0.35
STUDENT ASSISTANT	0.91	1.33	1.33
STUDENT ASSISTANT (E+A)	11.56	11.53	11.53
SUPV OF DRAFTING SERVICES	1.23	1.13	1.13
SUPV OF EQUIPS & MATLS INSP, HS	0.72	0.19	0.19
SUPVG CONTROL SYSTEM ENGR		0.17	0.17
SUPVG ENGR GEOLOGIST		0.04	0.04
SUPVG ENGR WR	0.89	1.18	1.18
SUPVG HEP UTILITY ENGINEER		0.10	0.10
SUPVG PHOTOGRAPHER, D.O.T.	0.02	0.03	0.03
SYS SOFTWARE SPEC I (TECH)	1.32	0.96	0.96
SYS SOFTWARE SPEC II (TECHNICAL)	2.39	3.00	3.00
SYS SOFTWARE SPEC III (SUPV)	1.00	0.93	0.93
SYSTEMS SOFTWARE SPECIALIST III (TECH)	0.40	0.44	0.44
TELEVISION ASSISTANT	0.05	0.04	0.04
TRAINING OFFICER I	0.08	0.05	0.05

Operations and Maintenance Classification	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
TRANSPORTATION SURVEYOR (CALTRANS)	4.60	4.84	4.84
UTILITY CRAFTSWORKER APPRENTICE	15.31	14.58	14.58
UTILITY CRAFTSWORKER SUPV, WR	29.40	28.91	28.91
UTILITY CRAFTSWORKER, WR	127.26	128.83	128.83
WAREHOUSE WORKER	0.53	2.30	2.30
WATER & POWER DISPATCHER	13.25	12.48	16.28
WATER RES ENGRG ASSOC (SPEC)	18.14	17.67	17.67
WATER RES ENGRG ASSOC (SUPV)	6.10	4.95	4.95
WATER RESOURCES TECH I	5.54	6.45	6.45
WATER RESOURCES TECH II	34.96	32.60	32.60
WATER SERVICES SUPERVISOR	4.08	5.57	5.57
YOUTH AID	0.08	0.49	0.49
<b>TOTAL</b>	<b>970.39</b>	<b>1,004.65</b>	<b>1,022.70</b>

**Planning, Modeling, and Data Development**

Staff studies and plans facilities and actions to ensure water supply reliability in a safe, timely and cost effective manner. Staff accomplishes this by working with the CALFED Program, State Water Contractors and other major interests to determine their needs and expectations, conducting feasibility investigations of potential projects, working with other State/federal regulatory agencies and private parties to identify and minimize the potential negative impacts of projects under evaluation, completing the required environmental documentation and obtaining permits needed to implement the potential projects. Project examples under the SWP future supply program include conjunctive water management, groundwater banking, and groundwater substitution transfers. Staff assigned to these projects analyzes data to determine effects of water transfers and other activities on hydrologic conditions, and develops new and improved economic and demographic analysis procedures.

Planning staff performs data development activities, including collection and evaluation of current and projected land and water use information for agricultural, environmental, and urban needs in hydrologic regions of the State. Staff also develops, maintains, and applies computer models which simulate the hydrodynamics and water quality. The models are used to predict hydraulic and water quality impacts from proposed changes in project facilities and operations. Staff collects, processes, and evaluates historical hydrologic, bathymetric, biologic, and water quality information for inclusion in model studies. Model results pertaining to salinity outflow, circulation, residence time, and transport of constituents and sediments are used to define impacts or cause and effect relationships which are included in planning investigations.

Planning, Modeling, and Data Development Classification	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
ARCHITECTURAL DESIGNER		0.09	0.09
ASSOC ARCHITECT		0.14	0.14
ASSOC COST ESTIMATOR WR	0.01	0.02	0.02
ASSOC ELECL ENGR HS	0.10	0.01	0.96
ASSOC GOVERNMENT PROG ANALYST	0.02	0.06	1.01
ASSOC HEP UTILITY ENGINEER		0.02	0.02

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Planning, Modeling, and Data Development	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
ASSOC INFO SYSTEMS ANALYST (SPEC)		0.11	0.11
ASSOC LAND & WATER USE SCIENTIST	0.34	0.22	0.22
ASSOC LAND AGENT	0.09	0.39	3.24
ASSOC MECH ENGR HS	0.20		0.95
ASSOC SPEC WRITER HS		0.02	0.02
ASSOC. ENVIRONMENTAL PLANNER(ARCHEOLOGY)	0.01	0.22	0.22
ASST UTILITY CRAFTSWORKER SUPT. WR			
CONSTR INSPECTOR TECH WR	0.17	0.18	0.18
CONSTRUCTION MGMT SUPV	0.05	0.09	0.09
CONSTRUCTION SUPV I WR		0.58	0.58
CONSTRUCTION SUPV II WR	0.01	0.06	0.06
CONSTRUCTION SUPV III WR		0.00	0.00
CONTROL SYS TECH I	1.35	1.48	2.43
ELECTRICAL ENGINEER	0.01		
ENGINEER, WR	29.23	30.65	39.2
ENGINEERING GEOLOGIST	6.81	7.89	10.74
ENVIRONMENTAL PROG. MGR. I (SUPV)	0.12	0.05	0.05
ENVIRONMENTAL SCIENTIST	6.24	11.39	11.39
FISH & WILDLIFE SCIENTIFIC AID	1.69	4.11	4.11
FISH AND WILDLIFE TECHNICIAN		0.02	0.02
GRADUATE STUDENT ASST	0.49	0.20	0.20
HEAVY EQUIP MECH	0.08	0.08	0.08
HYDROEL PLANT ELEC APPRENTICE		0.01	0.01
HYDROEL PLANT ELEC I		0.01	0.01
HYDROEL PLANT ELEC II		0.01	0.01
HYDROEL PLANT MECH II	0.02	0.07	0.07
INSPECTOR OF AUTOMOTIVE EQUIPMENT			
JR ENGRG TECH	0.44	0.78	0.78
MAINT MECHANIC		0.10	0.10
MANAGEMENT SERVICES TECH	0.37		
MECH CONSTR SUPV I	0.33	0.40	0.40
MECHANICAL ENGINEER	0.42	0.36	0.36
MOBILE EQUIP SUPERINTENDENT I		0.01	0.01
OFFICE ASSISTANT (GENERAL)	0.21	0.07	0.07
OFFICE ASSISTANT (TYPING)	0.03	0.14	0.14
OFFICE TECH (TYPING)	0.05	0.56	3.41
OPERATIONS RESEARCH SPEC III	1.22	2.13	2.13
PHOTOGRAMMETRIST I	0.22		
PHOTOGRAMMETRIST II	0.47	0.03	0.03
PRINCIPAL ENGR WR		0.89	1.84
PROGRAM TECHNICIAN III	0.10		
PROGRAMMER II	0.08	0.05	0.05
RECREATION & WILDLIFE RES ADV	0.03	0.10	0.10
RESEARCH ANALYST I GEO-INFO-SYS)	1.59	1.33	1.33
RESEARCH ANALYST II (GEO-INFO-SYS)	0.17	0.49	0.49
RESEARCH PROG SPEC I (DEMO)	0.03	0.03	0.03

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Planning, Modeling, and Data Development	PYS		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
RESEARCH PROG SPEC I (ECON)	0.26		
RESEARCH PROG SPEC II (ECON)	0.16	0.40	0.40
RESEARCH WRITER	1.21	0.57	0.57
RIGHT OF WAY AGENT	0.30	1.43	1.43
SENIOR ARCHITECT		0.01	0.01
SENIOR CORROSION ENGR		0.02	0.02
SENIOR ELEC ENGR HS		0.01	0.01
SENIOR ENGR WR	22.62	22.27	24.17
SENIOR ENGRG GEOLOGIST	2.16	3.09	3.09
SENIOR ENVIRONMENTAL PLANNER	0.02	0.08	0.08
SENIOR ENVIRONMENTAL SCIENTIST	1.55	2.10	2.10
SENIOR HEP UTILITY ENGINEER (SPEC)		0.07	0.07
SENIOR INFO SYS ANALYST (SPEC)		0.45	0.45
SENIOR LAND & WATER USE SCIENTIST	1.07	1.85	1.85
SENIOR LAND AGENT (SUPV)	0.10	0.07	0.07
SENIOR LAND SURVEYOR	0.47	0.83	0.83
SENIOR MECH ENGR HS	0.09	0.03	0.03
SENIOR PROG ANALYST (SPEC)		0.35	0.35
SR LAND AGENT (SPEC)	0.22	0.45	0.45
STAFF COUNSEL III			0.95
STAFF ENVIRONMENTAL SCIENTIST	2.29	5.30	7.2
STAFF INFO SYS ANALYST (SPEC)	0.82	0.75	0.75
STAFF PROG ANALYST (SPEC)	0.62	0.44	0.44
STAFF SERVICES ANALYST (GEN)	0.21	0.51	0.51
STUDENT ASSISTANT	0.34	0.16	0.16
STUDENT ASSISTANT (E+A)	1.73	2.46	2.46
SUPVG ENGR WR	4.21	5.13	5.13
SUPVG LAND AGENT (SUPV)	0.12	0.18	0.18
SYS SOFTWARE SPEC II (TECHNICAL)		0.26	0.26
TRAINING OFFICER I	0.01		
TRANS SURVEYOR PARTY CHIEF (CALTRANS)	0.01	0.31	0.31
TRANSPORTATION SURVEYOR (CALTRANS)	1.19	2.69	2.69
UTILITY CRAFTSWORKER APPRENTICE	0.02	0.01	0.01
UTILITY CRAFTSWORKER SUPV, WR	0.04	0.06	0.06
UTILITY CRAFTSWORKER, WR	2.47	2.27	2.27
WATER RES ENGRG ASSOC (SPEC)	0.56	0.60	0.60
WATER RES ENGRG ASSOC (SUPV)	0.22		
WATER RESOURCES TECH I	0.37	0.82	0.82
WATER RESOURCES TECH II	5.36	4.60	4.60
YOUTH AID		0.35	0.35
<b>TOTAL</b>	<b>103.62</b>	<b>126.60</b>	<b>153.20</b>

**Design & Construction**

Staff is responsible for all phases of design and construction activities associated with the modification and repair of SWP facilities. This includes preparing preliminary designs and cost estimates for proposed projects, completing final designs, preparing engineering plans and specifications, and administering and supervising construction activities. Staff also prepares Architectural and Engineering service agreements with external contractors.

Design and Construction Classification	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
ARCHITECTURAL ASSOCIATE	0.26	0.37	0.37
ARCHITECTURAL DESIGNER	0.72	0.39	0.39
ASSOC ARCHITECT	0.37	0.03	0.03
ASSOC CORROSION ENGR	0.22	0.66	0.66
ASSOC COST ESTIMATOR WR	1.16	0.90	0.90
ASSOC ELECL ENGR HS	5.14	8.05	8.05
ASSOC GOVERNMENT PROG ANALYST	1.25	2.61	2.61
ASSOC HEP UTILITY ENGINEER	0.10	0.07	0.07
ASSOC LAND AGENT	1.53	1.01	1.01
ASSOC MECH ENGR HS	0.87	1.25	1.25
ASSOC SPEC WRITER HS	0.06	0.68	0.68
ASSOC. ENVIRONMENTAL PLANNER(ARCHEOLOGY)	0.33	0.07	0.07
BUILDING MAINTENANCE WORKER		0.01	0.01
CONSTR INSPECTOR TECH WR	0.61	0.12	0.12
CONSTRUCTION MGMT SUPV	2.99	2.99	2.99
CONSTRUCTION SUPV I WR	3.97	3.51	3.51
CONSTRUCTION SUPV II WR	1.12	1.08	1.08
CONTROL SYS TECH I		0.01	0.01
CONTROL SYSTEM TECHNICIAN III	0.07	0.06	0.06
DRAFTING SERVICES AID	0.24		
ELEC CONSTR SUPV I	1.19	1.62	1.62
ELEC CONSTR SUPV II		0.32	0.32
ELEC ENGINEERING TECH III	0.87	0.93	0.93
ELEC-MECH TESTING TECH I	0.05		
ELECTRICAL ENGINEER	3.08	3.89	3.89
ENGINEER, WR	26.02	31.46	31.46
ENGINEERING GEOLOGIST	3.21	3.79	3.79
ENVIRONMENTAL PROG. MGR. I (SUPV)	0.16	0.14	0.14
ENVIRONMENTAL SCIENTIST	1.46	1.26	1.26
HEAVY EQUIP MECH	0.28	0.34	0.34
HYDROEL PLANT ELEC APPRENTICE	0.01	0.20	0.20
HYDROEL PLANT ELEC I	0.04	0.22	0.22
HYDROEL PLANT ELEC II	0.01	0.02	0.02
HYDROEL PLANT MECH I	0.02		
HYDROEL PLANT MECH SUPV	0.23	0.79	0.79
JR ENGRG TECH	1.47	1.71	1.71
LEGAL ANALYST	0.07		

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Design and Construction	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
MECH CONSTR SUPV I	2.54	2.06	2.06
MECH CONSTR SUPV II	0.71	0.73	0.73
MECHANICAL ENGINEER	3.53	5.32	5.32
MECHANICAL ENGINEERING TECHNICIAN I	0.14	0.46	0.46
MOBILE EQUIP SUPERINTENDENT I		0.01	0.01
OFFICE ASSISTANT (GENERAL)	0.37	0.36	0.36
OFFICE ASSISTANT (TYPING)	0.13	0.51	0.51
OFFICE TECH (TYPING)	0.91	0.22	0.22
PHOTOGRAMMETRIST I	0.13	1.17	1.17
PHOTOGRAMMETRIST II	1.17	2.26	2.26
PROGRAM TECHNICIAN III	0.25		
RECREATION & WILDLIFE RES ADV	0.02		
RIGHT OF WAY AGENT	0.98	3.01	3.01
SENIOR ARCHITECT	0.37	0.19	0.19
SENIOR CORROSION ENGR	0.06	0.18	0.18
SENIOR DELINEATOR		0.12	0.12
SENIOR ELEC ENGR HS	1.10	1.93	1.93
SENIOR ENGR WR	7.14	10.24	10.24
SENIOR ENGRG GEOLOGIST	1.75	1.50	1.50
SENIOR ENVIRONMENTAL PLANNER	0.10	0.01	0.01
SENIOR ENVIRONMENTAL SCIENTIST	0.69	0.73	0.73
SENIOR HEP OPERATOR		0.03	0.03
SENIOR HEP UTILITY ENGINEER (SUPV)	0.06		
SENIOR LAND AGENT (SUPV)	0.50	1.01	1.01
SENIOR LAND SURVEYOR	0.66	0.67	0.67
SENIOR MECH ENGR HS	1.16	1.40	1.40
SR LAND AGENT (SPEC)	1.02	1.24	1.24
STAFF ENVIRONMENTAL SCIENTIST	0.35	0.33	0.33
STAFF INFO SYS ANALYST (SPEC)	0.39	0.62	0.62
STAFF SERVICES ANALYST (GEN)	1.34	2.45	2.45
STRUCTURAL DESIGN TECH I		0.20	0.20
STRUCTURAL DESIGN TECH II	0.15	0.33	0.33
STUDENT ASSISTANT	0.09		
STUDENT ASSISTANT (E+A)	2.06	2.35	2.35
SUPV OF EQUIPS & MATLS INSP, HS	0.28	0.19	0.19
SUPVG ENGR EQUIP + MATLS SECTION		0.01	0.01
SUPVG ENGR WR	0.92	0.51	0.51
SUPVG LAND AGENT (SUPV)	0.02		
SUPVG MECH ENGR HS	0.16	0.29	0.29
TRANS SURVEYOR PARTY CHIEF (CALTRANS)	0.50	0.33	0.33
TRANSPORTATION SURVEYOR (CALTRANS)	2.88	4.54	4.54
UTILITY CRAFTSWORKER APPRENTICE	0.12	0.35	0.35
UTILITY CRAFTSWORKER SUPV, WR	0.12	0.18	0.18
UTILITY CRAFTSWORKER, WR	1.09	1.66	1.66
WATER RES ENGRG ASSOC (SPEC)	3.75	3.44	3.44
WATER RESOURCES TECH I	0.49	0.66	0.66

Design and Construction	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
WATER RESOURCES TECH II	0.62	0.66	0.66
WATER SERVICES SUPERVISOR	0.16	0.15	0.15
<b>TOTAL</b>	<b>100.15</b>	<b>125.16</b>	<b>125.16</b>

**Financial and Administrative Services**

Staff administers water supply contracts and negotiates agreements for the SWP, accounts for water deliveries from SWP facilities to SWP contractors and non-SWP contractors, analyzes contractor requests concerning SWP operations and water deliveries, and prepares or coordinates responses, prepares the annual report documenting SWP activities and future management plans, formulates strategies and recommendations to represent DWR's interests in State and federal Bay-Delta regulatory proceedings; implements the policy, procedures, and work activities for proper planning, initiation, and management of SWP programs; integrates DWR's cost allocation, accounting, and program control activities for SWP programs to make a cohesive connection of the end-to-end process of budgeting, cost allocation, real-time accounting, expenditures, and program control features; prepares cost allocations among project purposes and contractors; and develops basic financial data for project management, projects costs, schedules of water deliveries, and electrical power needs.

Staff administer active contracts that mandate periodic inspections of facilities funded by the Davis-Grunsky Act to ensure the facilities are maintained properly and continue to provide the intended public benefits to the local community.

Staff also directs all enterprise fund accounting activities including the recovery of all costs of the SWP from project beneficiaries, and determination of proper funding for all projected activities. This includes annual and monthly billings to Water Contractors for capital and operating costs of the SWP, advances of funds to the U.S. Department of the Interior's Bureau of Reclamation (Reclamation), and billings for construction and operation of the federal-State Joint Use Facilities. Staff acts as DWR's liaison with auditing groups representing the State Water Contractors, federal and State agencies. Staff also reconciles, records, and analyzes cost and revenue and prepares cash management, financial reports, and year-end financial statements. Staff manages DWR's debt portfolio including SWP water revenue bonds, SWP commercial paper, and financial disclosures as required by the bond portfolio. This includes coordination with the State Treasurer's Office, the resolution and management of complex issues relating to new issue bond sales, refunding bonds, and commercial paper.

Note: This report does not include general management positions which are partially supported with SWP funds via distributed overhead. Primary functions include Fiscal Services, Technology Services, and Management Services.

Finance and Administration	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
ACCOUNTING ADMINISTRATOR I (SUPV)	0.52	0.39	0.39
ACCOUNTING ADMINISTRATOR II		0.01	0.01
ACCTG ADMINISTRATOR I (SPEC)	0.19	0.23	0.23
ADMIN. OFFICER II, RESOURCES AGENCY		0.07	0.07
ARCHITECTURAL ASSOCIATE		0.02	0.02

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Finance and Administration Classification	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
ASSOC ACCOUNTING ANALYST	2.84	2.00	2.00
ASSOC CORROSION ENGR	0.03		
ASSOC ELECL ENGR HS	0.01	0.13	0.13
ASSOC GOVERNMENT PROG ANALYST		0.73	0.73
ASSOC HEP UTILITY ENGINEER	1.71	1.58	1.58
ASSOC LAND & WATER USE SCIENTIST	0.41	0.45	0.45
ASSOC LAND AGENT	0.01		
ASSOC MECH ENGR HS	0.01	0.01	0.01
CONTROL SYS TECH I	0.04		
CONTROL SYSTEM TECHNICIAN II	0.10		
CONTROL SYSTEM TECHNICIAN III	0.01		
ELECTRICAL ENGINEER		0.02	0.02
ENGINEER, WR	13.84	14.85	14.85
ENGINEERING GEOLOGIST	0.06	0.11	0.11
ENVIRONMENTAL SCIENTIST	2.86	2.01	2.01
FISH & WILDLIFE SCIENTIFIC AID	1.00	0.70	0.70
JR ENGRG TECH		0.03	0.03
MECHANICAL ENGINEER	0.01	0.04	0.04
OFFICE TECH (TYPING)	0.01		
OPERATIONS RESEARCH SPEC III	0.33	0.62	0.62
PRINCIPAL ENGR WR	1.07	0.62	0.62
RESEARCH ANALYST I (ECON)	2.68	1.99	1.99
RESEARCH ANALYST I (GENERAL)	1.00	0.94	0.94
RESEARCH ANALYST I GEO-INFO-SYS	0.05	0.04	0.04
RESEARCH ANALYST II (GENERAL)	1.00	0.72	0.72
RESEARCH ANALYST II (GEO-INFO-SYS)	0.27	0.34	0.34
RESEARCH ANALYST II ECON	1.31	2.02	2.02
RESEARCH PROG SPEC I (DEMO)	0.04		
RESEARCH PROG SPEC I (ECON)	0.28	0.43	0.43
RESEARCH PROG SPEC II	0.92	0.88	0.88
RESEARCH PROG SPEC II (ECON)	0.48	0.74	0.74
RESEARCH WRITER	2.70	2.83	2.83
SENIOR CORROSION ENGR		0.01	0.01
SENIOR ELEC ENGR HS		0.01	0.01
SENIOR ENGR WR	10.37	13.04	13.04
SENIOR ENGRG GEOLOGIST		0.48	0.48
SENIOR ENVIRONMENTAL PLANNER	0.01		
SENIOR ENVIRONMENTAL SCIENTIST	1.28	0.55	0.55
SENIOR HEP UTILITY ENGINEER (SPEC)	0.07	0.17	0.17
SENIOR HEP UTILITY ENGINEER (SUPV)	0.02		
SENIOR LAND & WATER USE SCIENTIST	0.32	0.90	0.90
SENIOR LAND AGENT (SUPV)	0.03	0.01	0.01
SENIOR MECH ENGR HS		0.02	0.02
STAFF COUNSEL		0.77	0.77
STAFF COUNSEL III (SPEC)		1.16	1.16
STAFF ENVIRONMENTAL SCIENTIST	0.15	1.03	1.03
STAFF LAND & WATER USE SCIENTIST	1.01		

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Finance and Administration	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
STAFF SERVICES ANALYST (GEN)	0.01	0.01	0.01
STAFF SERVICES MANAGER II (MGR)		0.18	0.18
STUDENT ASSISTANT		0.02	0.02
STUDENT ASSISTANT (E+A)	0.02	0.01	0.01
SUPV OF TECHNICAL PUBLICATIONS	0.47	0.78	0.78
SUPVG ENGR GEOLOGIST		0.12	0.12
SUPVG ENGR WR	1.89	3.05	3.05
TRANSPORTATION SURVEYOR (CALTRANS)		0.09	0.09
UTILITY CRAFTSWORKER, WR	0.03		
WATER RES ENGRG ASSOC (SPEC)	2.31	2.36	2.36
WATER RESOURCES TECH II	1.50	1.26	1.26
<b>TOTAL</b>	<b>55.26</b>	<b>61.58</b>	<b>61.58</b>

**Ecosystem Restoration**

Staff conducts studies to restore aquatic resources in the Yolo Bypass and to improve the Delta ecosystem. Staff participates in the Interagency Ecological Program for the Sacramento-San Joaquin Estuary. This program determines the impacts of water project operation on Bay-Delta biological resources and develops means to minimize or offset any observed adverse impacts. Staff complies with the applicable terms and conditions of the Biological Opinion for the CVP Operations, Criteria and Plan, and the Federal Energy Regulatory Commission Settlement, and License articles through special studies and monitoring of salmonids in the Feather River.

Ecosystem Restoration	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
ARCHITECTURAL DESIGNER		0.01	0.01
ASSOC GOVERNMENT PROG ANALYST	0.37	1.07	1.07
ASSOC. ENVIRONMENTAL PLANNER(ARCHEOLOGY)	0.22	0.15	0.15
CHIEF ENGR FISHERIES VESSEL		0.10	0.10
ENGINEER, WR	1.01	1.07	1.07
ENVIRONMENTAL PROG. MGR. I (SUPV)	0.05	0.01	0.01
ENVIRONMENTAL SCIENTIST	10.84	12.92	14.82
FISH & WILDLIFE SCIENTIFIC AID	1.51	3.20	3.92
FISH AND WILDLIFE TECHNICIAN	0.21	0.09	0.09
HEAVY EQUIP MECH	0.24	0.27	0.27
MATE, FISH & GAME VESSEL		0.08	0.08
MOBILE EQUIP SUPERINTENDENT I		0.04	0.04
OFFICE TECH (TYPING)	0.06		
RECREATION & WILDLIFE RES ADV	0.78	0.70	0.70
RESEARCH ANALYST II (GEO-INFO-SYS)		0.01	0.01
RESEARCH WRITER	0.91	0.77	0.77
SENIOR ENGR WR	0.77	0.45	0.45

Ecosystem Restoration	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
Classification			
SENIOR ENVIRONMENTAL PLANNER	0.29	0.39	0.39
SENIOR ENVIRONMENTAL SCIENTIST	3.83	3.10	3.10
STAFF ENVIRONMENTAL SCIENTIST	3.28	2.56	3.51
STAFF SERVICES ANALYST (GEN)		0.14	1.09
UTILITY CRAFTSWORKER, WR	0.01	0.01	0.01
WATER RESOURCES TECH II	0.03	0.11	0.11
<b>TOTAL</b>	<b>24.41</b>	<b>27.24</b>	<b>31.76</b>

### Water Quality Monitoring

Staff monitors, protects, and improves the drinking water quality of water delivered to the urban State Water Contractors and other users of Delta water. Staff identifies and evaluates sources of drinking water contaminants, assesses impacts of Delta operations and CALFED actions on drinking water quality, evaluates alternatives for drinking water source protections, and promotes actions to protect and improve drinking water quality. In cooperation with the State Water Contractors, staff identifies the need for and implements detailed studies to examine specific phenomena that affect, or may in the future affect, Delta drinking water quality. Staff also seeks long-term solutions to control salinity and water logging problems caused by irrigation on drainage-impaired lands in the San Joaquin Valley. Activities include drainage monitoring and evaluation, drainage treatment, drainage reduction and reuse.

Staff continues to develop and refine an "early warning" system, through collection and dissemination of real time data that will alert participating water agencies of likely drinking water quality problems. Staff work closely with DWR's Bay-Delta modeling group to provide water quality expertise needed to improve Delta models, to improve data collection to support model development, and to improve the ability to interpret and apply model outputs.

Water Quality Monitoring	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
Classification			
ASSOC ELECL ENGR HS	0.11*		
ASSOC HEP UTILITY ENGINEER	0.02		
ASSOC LAND & WATER USE SCIENTIST	0.20	0.12	0.12
ASSOC MECH ENGR HS	0.02		
BUSINESS SVCS ASST (SPEC)		0.01	0.01
CONSTR INSPECTOR TECH WR	0.01		
CONSTRUCTION MGMT SUPV	0.01		
ENGINEER, WR	4.94	5.15	5.15
ENGINEERING GEOLOGIST		0.03	0.03
ENVIRONMENTAL PROG. MGR. I (SUPV)		0.22	0.22
ENVIRONMENTAL SCIENTIST	9.42	10.83	10.83
FISH & WILDLIFE SCIENTIFIC AID	0.91	0.11	0.11
HEAVY EQUIP MECH	0.03	0.03	0.03
JR ENGRG TECH	0.15	0.04	0.04
OFFICE ASSISTANT (GENERAL)	0.01		
RESEARCH ANALYST II (GEO-INFO-SYS)	0.20	0.10	0.10

Water Quality Monitoring	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
RESEARCH WRITER	0.27	0.24	0.24
SENIOR ENGR WR	3.15	2.90	2.90
SENIOR ENVIRONMENTAL SCIENTIST	1.60	1.64	1.64
SENIOR LAND & WATER USE SCIENTIST	0.40	0.43	0.43
SENIOR MECH ENGR HS	0.01		
STAFF ENVIRONMENTAL SCIENTIST	3.12	3.21	3.21
TRANSPORTATION SURVEYOR (CALTRANS)	0.02		
UTILITY CRAFTSWORKER SUPV, WR	0.01		
UTILITY CRAFTSWORKER, WR	0.40	0.01	0.01
WATER RESOURCES TECH I	0.95	0.96	0.96
WATER RESOURCES TECH II	0.59	0.36	0.36
<b>TOTAL</b>	<b>26.56</b>	<b>26.39</b>	<b>26.39</b>

**Real Estate and Property Management**

Staff acquires real property and rights of way through contract procedures, condemnation, stipulated judgments, relocation assistance, or special agreements. Staff appraises land, easements, and rights of way to be acquired, leased, or sold. With the exception of deed preparation, this responsibility also includes preparation of all necessary documents, handling of escrows, and arrangements for title services. Staff is also responsible for the leasing, sales, exchange, and management of property owned by DWR. Staff issues licenses and encroachment permits controlling the use of and entry onto departmental land by others and acts as liaison with communities adjacent to the SWP on urban encroachment issues. Staff coordinates the timely support for relocation, replacement, or acquisition of utility facilities, including roads and pipelines, that conflict with DWR's projects.

Staff also participates in negotiations relating to damage claims, provides independent expert valuation witnesses for condemnation trials and secures resolutions of necessity.

Real Estate and Property Management	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
ASSOC CORROSION ENGR	0.03		
ASSOC LAND AGENT	0.44	0.53	0.53
ASSOC SPEC WRITER HS	0.01	0.12	0.12
CONSTR INSPECTOR TECH WR	0.07		
CONSTRUCTION MGMT SUPV	0.27	0.29	0.29
CONSTRUCTION SUPV I WR	0.43	0.29	0.29
CONSTRUCTION SUPV II WR	0.38	0.06	0.06
ELEC CONSTR SUPV I	0.03		
ENGINEER, WR	3.74	4.23	4.23
ENGINEERING GEOLOGIST	0.01	0.01	0.01
ENVIRONMENTAL SCIENTIST	0.44	0.23	0.23
HEAVY EQUIP MECH	0.01		

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Real Estate and Property Management	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
Classification			
JR ENGRG TECH	0.02		
MECH CONSTR SUPV I	0.07	0.11	0.11
OFFICE ASSISTANT (TYPING)	0.30	0.60	0.60
OFFICE TECH (TYPING)	0.22	0.20	0.20
RESEARCH WRITER	0.03	0.01	0.01
RIGHT OF WAY AGENT	1.80	2.54	2.54
SENIOR ENGR WR	2.08	1.45	1.45
SENIOR ENGRG GEOLOGIST	0.02	0.01	0.01
SENIOR ENVIRONMENTAL SCIENTIST		0.01	0.01
SENIOR LAND AGENT (SUPV)	0.90	1.49	1.49
SENIOR LAND SURVEYOR	0.84	0.68	0.68
SR LAND AGENT (SPEC)	0.87	0.03	0.03
STAFF ENVIRONMENTAL SCIENTIST	0.29	0.01	0.01
STAFF SERVICES ANALYST (GEN)	0.68	0.18	0.18
STUDENT ASSISTANT (E+A)	0.47	0.01	0.01
SUPVG ENGR WR	0.13	0.29	0.29
TRANS SURVEYOR PARTY CHIEF (CALTRANS)	0.26	0.03	0.03
TRANSPORTATION SURVEYOR (CALTRANS)	3.09	2.26	2.26
UTILITY CRAFTSWORKER, WR	0.03		
WATER RES ENGRG ASSOC (SPEC)	2.33	1.93	1.93
WATER RESOURCES TECH I	0.25	0.04	0.04
WATER RESOURCES TECH II	0.46	0.01	0.01
<b>TOTAL</b>	<b>20.99</b>	<b>17.65</b>	<b>17.65</b>

**Power Management**

In developing strategies to meet and manage the power needs for the SWP, staff develops and analyzes alternative long-term water delivery scenarios and associated water conveyance and storage system operations for the SWP with respect to their power implications; evaluates power resource and demand profiles; identifies power marketing opportunities, evaluates positions in or purchases of physical generation resources, and develops a SWP strategic power resources plan, the centerpiece of which is a diversified power portfolio.

Other responsibilities include development, negotiation, preparation, and administration of all long-term power and transmission contracts necessary to operate the SWP as an interconnected utility; implementing DWR's policies regarding acquisition for electric generating facilities, transmission lines, hydroelectric sites, and other power resources; overseeing DWR participation in regulatory proceedings, including analysis and preparation of filings regarding actions that may impact SWP costs and/or operations; coordinating power-related activities and decisions with the State Water Contractors; and monitors and represents the SWP in regulatory activities and processes of Federal Energy Regulatory Commission, California Public Utilities Commission, California Energy Commission, CALISO, Investor Owned Utilities, and Western Electric Coordinating Council on transmission rates and transmission or power market designs.

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Power Management Classification	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
ASSOC GOVERNMENT PROG ANALYST		0.04	0.04
ASSOC HEP UTILITY ENGINEER	1.44	11.18	11.18
ELEC-MECH TESTING TECH I	0.01	0.03	0.03
ELEC-MECH TESTING TECH III	0.01	0.02	0.02
ELECTRICAL ENGINEER	1.08	5.31	5.31
MECHANICAL ENGINEER	0.06	0.48	0.48
PROGRAMMER II		0.66	0.66
SENIOR ENGR WR		0.06	0.06
SENIOR HEP UTILITY ENGINEER (SPEC)		5.13	5.13
SENIOR HEP UTILITY ENGINEER (SUPV)	1.05	3.61	3.61
STAFF COUNSEL III			0.95
STAFF ENVIRONMENTAL SCIENTIST	0.02	0.20	0.20
STAFF SERVICES ANALYST (GEN)		0.03	0.03
TRANSPORTATION ENGINEER (CIVIL)		0.47	0.47
<b>TOTAL</b>	<b>3.67</b>	<b>27.22</b>	<b>28.17</b>

**Relicensing**

In addition to evaluating feasibility and environmental documentation necessary for relicensing of SWP facilities, staff coordinates DWR's approach to relicensing, which involves working cooperatively with federal and State resource agencies, Indian tribes, local public agencies, and non-governmental organizations to achieve consensus on the license application and environmental documentation.

Staff also provides key support to the Oroville Field Division on implementation of a complex and comprehensive Settlement Agreement for the Relicensing of Oroville Facilities, and provides assistance on related compliance for the entire SWP system.

Relicensing Classification	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
ASSOC GOVERNMENT PROG ANALYST	0.77	1.16	1.16
ASSOC ENVIRONMENTAL PLANNER(ARCHEOLOGY)	0.17	0.07	0.07
ENGINEERING GEOLOGIST		0.14	0.14
ENVIRONMENTAL SCIENTIST	0.52	0.06	0.06
FISH & WILDLIFE SCIENTIFIC AID	0.11	0.02	0.02
HEAVY EQUIP MECH	0.03	0.05	0.05
LEGAL ANALYST		0.04	0.04
MOBILE EQUIP SUPERINTENDENT I		0.02	0.02
OFFICE TECH (TYPING)	0.36		
PROGRAMMER II	0.10	0.04	0.04
RECREATION & WILDLIFE RES ADV	0.02		
RESEARCH ANALYST II (GEO-INFO-SYS)	0.24	0.07	0.07
RIGHT OF WAY AGENT	0.05		
SENIOR ENGR WR	1.30	0.75	0.75

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Relicensing	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
Classification			
SENIOR ENGRG GEOLOGIST		0.01	0.01
SENIOR ENVIRONMENTAL PLANNER	0.39	0.21	0.21
SENIOR HEP UTILITY ENGINEER (SPEC)	0.55	0.20	0.20
SENIOR LAND & WATER USE SCIENTIST	0.02		
STAFF COUNSEL III (SPEC)		0.35	0.35
STAFF ENVIRONMENTAL SCIENTIST	1.20	0.91	0.91
STAFF SERVICES ANALYST (GEN)	0.56		
STAFF SERVICES MANAGER II (MGR)	0.34	0.22	0.22
SUPVG ENGR WR	0.18	0.03	0.03
TRANSPORTATION SURVEYOR (CALTRANS)		0.01	0.01
WATER RES ENGRG ASSOC (SPEC)	0.29	0.53	0.53
YOUTH AID		0.01	0.01
<b>TOTAL</b>	<b>7.19</b>	<b>4.89</b>	<b>4.89</b>

Summary Table

	PYs		
	FY 2007-08 (actuals)	FY 2008-09 (actuals)	FY 2009-10 (estimated)
Operations and Maintenance	970.39	1,004.65	1,022.70
Planning, Modeling, and Data Development	103.62	126.60	153.20
Design and Construction	100.15	125.16	125.16
Finance and Administration	55.26	61.58	61.58
Ecosystem Restoration	24.41	27.24	31.76
Water Quality Monitoring	26.56	26.39	26.39
Real Estate and Property Management	20.99	17.65	17.65
Power Management	3.67	27.22	28.17
Relicensing	7.19	4.89	4.89
<b>TOTAL</b>	<b>1312.24</b>	<b>1,421.38</b>	<b>1,471.50</b>

**Water Code Section 147 (b)(3)**

**A description of any funds, other than funds generated by the State Water Resources Development System, that are expended, or projected to be expended, as applicable, for the State Water Resources Development System, including those funds used for cost-sharing purposes.**

**STATE WATER RESOURCES DEVELOPMENT SYSTEM  
DESCRIPTION OF COST SHARING FUNDS**

**San Luis Joint Use Facilities**

On December 30, 1961 the Department of Water Resources (DWR) entered into an agreement with the U.S. Department of the Interior's Bureau of Reclamation (Reclamation) for the construction and operation of the San Luis joint-use facilities. Reclamation designed and constructed the joint-use facilities in coordination with DWR. The State is responsible for the operation and maintenance of the facilities. The Operations & Maintenance (O&M) costs are split between the federal share and the State share based upon the appropriate percentages determined in the San Luis Joint-Use Facilities O&M cost reallocation study. The current federal share is 44.09 percent, based on the study completed in 1986. The costs are initially funded from the State Water Project contractor revenues and reimbursed when payment is received from Reclamation. Reclamation is billed 45 percent of the total capital costs.

Operations and Maintenance Costs:

	100%	44.09%
	<u>Total Costs</u>	<u>Federal Share</u>
Actual FY 2007/08	\$37,767,763	\$17,222,225
Actual FY 2008/09	38,672,510	17,780,715
Estimate FY 2009/10	56,240,888	25,835,275

Construction Costs:

	100%	45%
	<u>Total Costs</u>	<u>Federal Share</u>
Actual FY 2007/08	\$ 2,649,392	\$ 1,192,227
Actual FY 2008/09	458,393	206,277
Estimate FY 2009/10	6,065,000	2,729,250

**Suisun Marsh Facilities**

On March 2, 1987 the Suisun Marsh Preservation Agreement (SMPA) was executed. The SMPA contains provisions for actions to control channel water and soil salinity to mitigate impacts of the State Water Project, the Central Valley Project, and other upstream diverters on managed wetlands in Suisun Marsh. Under the Agreement, of the costs incurred by DWR (including costs of planning, design, construction, operation, maintenance, and recreation prior to the Agreement) for monitoring, mitigation, individual ownership facilities, and Suisun Marsh facilities, 40 percent are to be paid by Reclamation and 20 percent by the State (State funding is contingent on the appropriation by the Legislature; the last such appropriation was received in FY 1989-90). The Agreement requires that Reclamation's share of the design, planning, and construction costs not exceed \$50 million.

Operations and Maintenance Costs:

	100%	40%
	<u>Total Costs</u>	<u>Federal Share</u>
Actual FY 2007/08	\$ 3,527,115	\$ 881,574
Actual FY 2008/09	4,496,429	1,108,713
Estimate FY 2009/10	3,950,155	967,237

**Delta Habitat Conservation and Conveyance Program (DHCCP)**

In March, 2009 DWR entered into a cooperative agreement with Reclamation for the Delta Habitat Conservation and Conveyance Program (DHCCP). The DHCCP is being conducted to complete general planning studies, preliminary engineering, and environmental analysis and documentation to evaluate the effectiveness of implementing measures that contribute to the conservation and rehabilitation of fish and wildlife species in the Sacramento-San Joaquin Delta. In accordance with the Memorandum of Agreement, 50 percent of the costs will be the federal share of the program costs. The federal share will be collected from the Delta Mendota Water Authority and as allowed under federal appropriations law, via in-kind services and the Cooperative Agreement, from Reclamation.

	DWR	50%
	<u>Total Costs</u>	<u>Federal Share</u>
Actual FY 2007/08	\$ 1,198,708	\$ 599,354
Actual FY 2008/09	27,619,074	13,809,537
Estimate FY 2009/10	67,021,211	33,510,606

**Recreation Costs**

Recreation and fish and wildlife enhancement associated with the SWRDS are codified objectives and purposes of the System. DWR, in constructing and operating the System, has the responsibility of ensuring that these purposes are met. In 1961, the Legislature passed the Davis-Dolwig Act (DDA) to clarify funding responsibilities for these and other purposes. The DDA provides, in part, that recreation and fish and wildlife enhancement are obligations of the State and cited the intention for the Legislature to appropriate funding in the future for these purposes.

The amounts estimated below are based on a myriad of specific System projects and actions and their associated recreation and fish and wildlife enhancement components. For FY 2010-11, DWR has submitted a Budget Change Proposal for future Capital Outlay funding from Proposition 84 as well as funding from the Harbors and Watercraft Fund for the operation and maintenance activities attributed to recreation.

	<u>Capital</u>	<u>O&amp;M</u>	<u>Total</u>
Actual FY 2007/08	\$1,549,120	\$11,906,402	\$13,455,522
Actual FY 2008/09	\$4,348,563	\$10,497,150	\$14,845,713
Estimate FY 2009/10	\$4,540,000	\$10,960,000	\$15,500,000

*Note: This report is prepared on actual and estimated billings and includes service period adjustments. It will not agree to the annual State Water Resources Development System (SWRDS) financial statements, which are prepared in accordance with Generally Accepted Accounting Principles (GAAP) and include accruals and deferrals.*

**Water Code Section 147 (b)(4)**

**An itemization of all contracts related to the Bay-Delta Conservation Plan financed, or projected to be financed, as applicable, in full or in part with funds generated by the State Water Resources Development System, including the dollar amount of those contracts and a brief description of the purposes of those contracts.**

California Natural Resources Agency, Department of Water Resources

Contract No.	Contractor Name	Term or Contract	Contract Amount	Amount for DHCCP/BDCP	Contract Description
10014799	Contract not awarded yet	Anticipated Term TBD - 06/31/12	\$4,000,000	\$4,000,000	Provide right of way and real property services.
10039272	Contract not awarded yet	Anticipated Term TBD - 10/18/14	\$1,000,000	\$1,000,000	Land surveying services.
10042941	Contract not awarded yet	Anticipated Term TBD - 12/31/10	\$234,850	\$234,850	Technical and strategic assistance for DHCCP.
46-4585	Bill Verigin	07/01/06 - 06/30/12	\$180,000	\$55,132	Consultant expert in geotechnical engineering services.
46-4591	CH2M-Hill	07/01/06 - 06/30/11	\$12,000,000	\$3,622,181	Provide engineering consulting and design support services.
46-4596	MWH Americas	12/01/06 - 11/30/09	\$7,000,000	\$27,030	In Task Order MWH-01, the Contractor provided engineering consulting as required to complete necessary cost estimates for different conveyance system options in the Delta. Task Order term: 08/01/07 - 09/07/07.
46-4675	Ebbin, Moser & Skaggs LLP	6/9/06 - 12/31/10	\$1,145,000	\$1,145,000	Provide legal services and use environmental law expertise to advise DWR on development of Habitat Conservation Plan and Natural Communities Conservation Plan for activities occurring in the Delta.
46-7776	William Lettis & Assoc.	01/01/08 - 12/31/10	\$600,000	\$9,470	Engineering geology services.
46-8104	Washington Group Int'l	05/27/08 - 12/31/15	\$60,000,000	\$60,000,000	Contract provides expert engineering support services and program management staff to assist DWR in overseeing the environmental, engineering, and construction components of DHCCP.
46-8133	Remy, Thomas, Moose & Manley LLP	1/31/03 - 12/31/11	\$549,500	\$549,000	Provide legal services and use environmental law expertise to advise DWR relating to legal matters relating to the development and construction of dual and/or alternate conveyance facilities.
46-8148	HDR Engineering	06/19/08 - 12/31/15	\$25,000,000	\$25,000,000	BDCP EIR/EIS preparation