

NOTICE AND AGENDA
Regular Meeting

Board of Directors
Aquatic Science Center

To Be Held
December 1, 2008
10:00am-noon
Fairfield-Suisun Sewer District
1010 Chadbourne Road
Fairfield, CA 94534-9700
Phone (707) 429-8930

1. **Call to Order**
2. **Public Comments**
3. **Consent Items**
 - a) **Approval of Agenda**
 - b) **Approval of May 30, 2008, Meeting Minutes and October 14, 2008, Special Meeting Minutes (Attachments 1a and 1b)**
4. **Action Items**
 - a) **Appointment of Acting Executive Director**
 - b) **Approval of amended 2008/09 Program Plan (Attachment 2)**
5. **Information and Discussion Items**
 - a) **Project Update – *Information item about the status of funded and proposed projects, financial status update (Attachments 3a and 3b)***
 - b) **The role of Historical Ecology in evaluating restoration and conservation options – applying North and South Bay lessons in the Delta**
6. **Future Meeting Agenda Items and Meeting Schedule**
7. **Adjournment**

7770 Pardee Lane
Second floor
Oakland, CA 94621
p: 510-746-7334
f: 510-746-7300

Board Members

CHAIR Bruce Wolfe
VICE-CHAIR, SEC. Dave Tucker
TREASURER Frank Leung
Michele Pla
Darrin Polhemus
Chuck Weir
Alexis Strauss
Pamela Creedon

Attachment 1a

DRAFT

**Minutes of the Aquatic Science Center Board of Directors
August 29, 2008
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, #1400
Oakland, CA 94612
10:30 a.m.-12:00 p.m.**

Members Present:

Bruce Wolfe	Michele Pla
Dave Tucker	Pamela Creedon
Darrin Polhemus	Alexis Strauss
Dave Williams	Frank Leung

Non-Members Present:

Mike Connor	Sarah Lowe
Rainer Hoenicke	Josh Collins
Stephanie Seto	

Others present:

Cat Kulman, North Coast Regional Water Quality Control Board
Tom Mumley, San Francisco Bay Regional Water Quality Control Board

Call to Order

Mr. Wolfe, Board Chair, called the meeting to order at 10:35 a.m. In the absence of Mr. Weir, Mr. Williams attended the meeting.

Public Comments

No members of the public attended the meeting.

Consent Items

Review and Approve Agenda

Mr. Wolfe made a motion to approve all consent items, including the May 30, 2008 meeting minutes. The motion was seconded by Mr. Tucker and passed unanimously.

Project Update

Dr. Connor gave an overview of where the organization stands. This overview included information items about the status of funded and proposed projects. Ms. Strauss requested the addition of start dates be added to the status reports. She also requested for a more condensed format when presenting to the Board in the future. In addition to Ms. Strauss' request, Mr. Polhemus suggested to add the length of each project and expected date of completion.

Financial Status Update

Mr. Leung briefed the Board regarding ASC financial transactions from the previous fiscal year of July 2007 to June 2008. Mr. Leung also mentioned that an audit report is sent to the State Controller on an annual basis by September 30th.

Possible Board Expansion

The Board discussed the expansion options outlined in the staff report contained in the agenda package. A major rationale for potential board expansion centered around making the operations of the ASC more transparent. Mr. Polhemus suggested to the Board that they expand along similar lines as the SCCWRP Commission. Ms. Pla agreed that an expansion would improve transparency. It appears that the policy issues to be informed by science are sufficiently more diverse in Northern California than in Southern California, thereby making the SCCWRP model less applicable here. However, at this point, the ASC hasn't been in existence long enough to identify the range of issues it might get asked to get involved in. Mr. Tucker suggested that the Board stay with the core principles and functions of the ASC was designed to fulfill. The Board agreed to choose the "no action" alternative at this time and revisit the issue in a year's time.

Staff Presentations and Board Discussion

Dr. Collins gave a short presentation entitled "Science Support for Development of the Statewide Stream and Wetlands Protection Policy." This presentation provided the Board with an opportunity to offer guidance to staff on key questions and issues. Dr. Hoenicke gave a short presentation entitled "Development of Regional Data Centers," status and anticipated next steps in the SF Bay and North Coast Regions. This presentation provided the Board with an opportunity to offer guidance to staff on upcoming needs and opportunities.

Ethics Training

Ms. Pla discussed the parameters of Ethics Training for all Board Members. This certification should take place every two years.

U.S. Environmental Protection Agency Updates

Ms. Strauss discussed vessel deployment for deep ocean work from September 13-14. The EPA Vessel will be located off of Pier 27 in San Francisco and Ms. Strauss would like the Board to spread the word in efforts to plan useful activities.

Future Meeting Agenda Items

The Board discussed future focus items: Dioxins, Sediment Quality Objectives, a briefing summary on Ammonia toxicity, discussion of Historical Ecology with regards to the Delta and other issues in the Bay, and a ten minute update on

Josh's presentation. The Board suggested limiting discussions at the science-policy interface to one topic per meeting, so as to avoid time conflicts.

Adjournment

The meeting was adjourned at 12:55 p.m. Upcoming Board meetings have been scheduled for December 1, 2008 in Fairfield from 10:00 a.m. to 12:00 p.m. and March 6, 2009 at the Regional Board from 10:00 a.m. to 12:00 p.m.

Respectfully submitted,

Dave Tucker, Board Secretary

Date

Attachment 1b

DRAFT

**Minutes of the Aquatic Science Center Board of Directors
October 14, 2008
Special Teleconference Meeting
2:00 p.m.**

Members Present:

Bruce Wolfe
Chuck Weir
Darrin Polhemus
Dave Tucker
Mike Connor

Non-Members Present:

Rainer Hoenicke
Stephanie Seto

Others Present:

None

Call to Order

Mr. Wolfe, Board Chair, called the meeting to order at 2:10 p.m.

Public Comments

No members of the public attended the meeting.

Review and Approve Agenda

Mr. Polhemus made a motion to approve all consent items. The motion was seconded by Mr. Tucker and passed unanimously.

Board Resolution authorizing the ASC to enter into agreement with the California Department of Fish and Game and to designate a representative to sign Historical Ecology study of the Sacramento-San Joaquin Delta

Mr. Wolfe made a motion to approve the Board Resolution. The motion was seconded by Mr. Tucker and passed unanimously.

Adjournment

The meeting was adjourned at 2:20 p.m.

Attachment 2

Program Plan for the Aquatic Science Center

Fiscal Year 2008/09

Amended on December 1, 2008

The Aquatic Science Center (Center) was established for the efficient delivery of scientific and information management support to public agencies and non-governmental organizations. The Center anticipates the following subject areas where contractual support or fiduciary services may be requested from a variety of state, federal, and local agencies:

- 1) **The San Francisco Estuary Regional Monitoring Program for Water Quality.** Several members would prefer to contribute to the program via a quasi-state agency more closely linked to the Water Board as their contribution fulfills Water Board NPDES and waste discharge requirements. \$200,000-800,000 per year.
- 2) **TMDL support including: impairment assessments, pollutant conceptual model development, implementation alternatives evaluations, and implementation effectiveness monitoring.** Depending on schedule, the JPA would provide an effective mechanism to conduct necessary technical studies and synthesis. \$100,000-500,000 per year.
- 3) **Collaboration with DFG to study pelagic organism decline in the Delta.** The JPA would allow for technical syntheses to occur in a timely fashion. \$50,000-200,000.
- 4) **Collaboration with DFG and USGS to refine to the Comprehensive Ecosystem Monitoring, Assessment, and Research Program.** Approximately \$50,000.
- 5) **Collaborative effort with EPA to develop and implement a coordinated watershed monitoring program in the San Joaquin River Basin.** Up to \$100,000
- 6) **Collaborative effort with State Water Board to provide technical support to Surface Water Ambient Monitoring Program.** \$100,000-250,000.
- 7) **Development of technical and scientific recommendations to the California Water Quality Monitoring Council.** \$50,000-200,000.
- 8) **Delta Monitoring and Special Studies.** \$50,000-\$200,000

- 9) **Scientific Assistance to State Water Board for development of a statewide riparian and wetland system protection policy.** \$250,000-\$350,000
- 10) **Developing California Capacity to Assess the Performance of Wetland Protection Policies, Programs, and Projects in the Watershed Context.** \$300,000-\$450,000
- 11) **Development and implementation of a standardized set of assessment and tracking tools for California wetlands and riparian areas.** \$1.5- 2M
- 12) **Historical Ecology studies in support of evaluating restoration and protection options in the Bay-Delta region.** \$350,000-\$700,000
- 13) **Wetland Data Portal for SWAMP Regional Data Centers.** \$1M-\$1.2M
- 14) **Development of San Francisco Estuary/North Coast Regional Data Center.** \$500,000-\$750,000

The Executive Director is authorized to enter into contracts that are consistent with the program plan described above and in accordance with the following desirable attributes:

- The project is consistent with, or supplemental to, activities that are already in the SFEI Program Plan.
- The project is of interest to SFEI scientists and likely to lead to publication.
- The project is of interest to multiple member agencies, including those from both regulated and regulator agencies. Interest increases when the project is likely to facilitate development of a scientific framework for management issues.
- The project leads to collaboration with technical leaders in the field and establishes scientific precedent.
- The project demonstrates scientific equipment, expertise or capacity currently lacking in the commercial or consulting sector.
- The project is designed to develop scientific tools for evaluating policy and program alternatives and make complex scientific information accessible and understandable to non-technical audiences.
- The project makes scientific understanding of the coastal and estuarine waters and their watersheds more widely available in publicly accessible media (e.g. beyond technical reports and publications).

Two weeks prior to entering into any contracts, the Executive Director will notify the Board of Directors in writing of the intent to enter into a contract on behalf of the Aquatic Science Center. If any Board member objects, a special session of the Board will be called for deliberation and approval of project. In addition, the Executive Director will seek advice from an ad-hoc advisory group comprised of the Board Chair and Vice Chair for any contract over \$50,000 with regard to calling a special session of the Board for deliberation and approval of significant project requests on a case-by-case basis. Each Board Meeting Agenda will contain a standing item for the Executive Director to report on signed contracts and a report on the status of individual contracts and grant agreements.

Attachment 3a

Aquatic Science Center Staff Summary

To: Board of Directors

From: Rainer Hoenicke, SFEI Deputy Director

Date: December 1, 2008

Re: Project Status

Recommendation

None. The purpose is to summarize the Aquatic Science projects completed since last Board Meeting, underway, or in negotiation.

Project Title	Amount	Funder	Leads	Start	End
Delta RMP	\$200,000	RB 5	Jabusch, Davis	April 08	March 10
Petaluma, Tomales TMDL	\$214,000	RB 2	McKee, Ridolfi	Sept 08	
Wetland Monitoring Toolkit	\$950,000	MMS via Resources Agency	Collins, Williams	Jan 09	Jan 11
401 Certification and Wetland Tracker	\$299,947	EPA via SWRCB	May	Oct 08	Sept 10
Science Support for Wetland Protection Policy	\$270,200	EPA via SWRCB	Collins, Williams	Nov 08	Oct 10
Delta Historical Ecology	\$350,000	DFG	Grossinger, Whipple	Jan. 09	Dec 10
Development of Bay Area Regional Data Center	<i>\$750,000 (estimate only)</i>	SWRCB	Lowe, Oram	April 09	March 11
Wetlands Data Portal Development	<i>\$1,000,000 (estimate only)</i>	SWRCB	Oram, Grosso	April 09	March 11

Projects Summaries

Agreements Signed and Underway:

Delta RMP Technical Support

In partnership with Brock Bernstein, staff are assisting the Regional Board in developing a Regional Monitoring Program for the Delta and its tributaries.

Petaluma River, Tomales Bay TMDL

Staff are assisting the Regional Board in developing a good summary of the science necessary for a Total Maximum Daily Load allocation process for the Petaluma River and Tomales Bay.

Science Support for Development of Wetland and Riparian Protection Policy

The main objective of this project is to extend key policy elements developed in the North Coast and San Francisco Bay Regional Water Boards' *Stream and Wetlands System Protection Policy* by further developing these concepts into a State Water Board *Policy to Protect Wetlands and Riparian Areas*. The Water Board will develop a wetland regulatory mechanism based on Clean Water Act 404 (b)(1) guidelines; and extend statewide beneficial use definitions and water quality objectives developed by the North Coast and SF Bay Regional Water Boards. Some elements of the policy will be clarified mitigation guidelines, alignment of policies with the "no net loss" goal and coordination with further development of the California Rapid Assessment Method (CRAM).

401 Certification in Wetland Tracker

This project, conducted in collaboration with the Southern California Coastal Water Research Project, Moss Landing Marine Laboratories, California Coastal Commission, Humboldt Bay Harbor, Recreation and Conservation District, is intended to enable the Wetland Tracker to be the common data management system for the State's primary wetland protection policies and programs, including the 401 Certification and WDR Programs, the proposed Wetland and Riparian Protection Policy, and the State's No-Net-Loss Policy. The main product will be a new version of Wetland Tracker that streamlines 401 Certification, provides access to historical 401 cases, and enables standardized reports on the status and trends of 401 projects and ambient conditions for watersheds, regions, and Statewide.

Among the project deliverables are

- A queryable dataset of past 401 and WDR project information
- An online 401 Certification application
- An automated status and trends reports for 401 projects and wetland habitats

Projects with Approved Funding – Agreements not yet Signed

Wetland Monitoring Toolkit

Level 1-2-3 framework has now expanded across the state. This project will continue to develop CRAM, eCRAM and Wetland Tracker infrastructure to cover four regions of the state (South Coast, Central Coast, SF Bay Area, and North Coast) in collaboration with the Southern California Coastal Water Research Project, Moss Landing Marine Laboratories, California Coastal Commission, Humboldt Bay Harbor, Recreation and Conservation District. This project will continue coordination with regional teams to ensure their output builds statewide capacity to monitor and assess wetlands and riparian areas. This includes the statewide Steering Committee and coordination of IT engineering with the user community. We will expand CRAM habitats to include depressional wetlands and seasonal estuarine/coast lagoon systems. This funding will also be used to continue development of the “train-the-trainers” program.

Delta Historical Ecology

SFEI will conduct a historical ecology study of the Sacramento-San Joaquin Delta, documenting the hydrogeomorphic and ecological characteristics of the Delta prior to significant Euro-American modification. This effort will use well-developed methods for the synthesis of historical data through GIS development and analysis.. This historical reconstruction will document, to the extent possible, patterns of variation and extent of habitats throughout the Delta to better understand species support functions and controlling physical processes within the native landscape. Such information will provide a basis for identifying target locations and physical conditions necessary to restore functional habitat mosaics within the projected future Delta landscape.

The project will synthesize hundreds of independent historical data sources to build a reliable picture of early conditions that is sufficiently detailed to inform the ERP Conservation Strategy. SFEI will assist and train DFG staff to participate in the project, including assisting with data collection, GIS, and report production and presentation. Project deliverables will include a GIS of historical conditions documenting target habitat types (e.g. tidal channels, riparian forest, ponds and lakes, tidal

marsh-upland ecotone, etc.) and a final report describing the methodology and results.

Projects in Discussion

Development of Regional Data Centers

SFEI was designated as one of four Regional Data Centers at this time. The State Board will consider an item on December 2 that would provide funding for the purposes of collecting and integrating project data into the California Environmental Data Exchange Network (CEDEN) in order to more comprehensively track water quality project effectiveness and make it accessible to the public. The funds will provide for the operation of the four centers for up to a three-year period. The data centers will integrate monitoring data across departments and agencies, and will be made available to the public through a user-friendly Internet portal. SFEI will likely be focusing on wetland data and identify options, in close collaboration with the other Regional Data Centers, for how to make them self-sustaining and independent of General Fund contributions.

Wetland Data Portal

We submitted a proposal to the State Water Board, which will be considered on December 2 to implement the Wetland Tracker (www.wetlandtracker.org) as a model Data Center portal, as recommended by the California Water Quality Monitoring Council. The Wetland Tracker has many of the desired portal attributes and functions. It is based on the 3-level monitoring framework outlined in the USEPA guidance for comprehensive wetlands monitoring and assessment (USEPA 2006); it is consistent with the State's growing interest in open source engineering (CPRC 2004); its development is led by Data Center staff and water quality experts with oversight by regional and statewide advisory groups; and it permits public data exchanges, although these functions are rather limited at this time. The Wetland Tracker must have functions added to deliver the data to the broad community of wetland interests throughout the State.

Attachment 3b

Aquatic Science Center Staff Summary

To: Board of Directors
From: Frank Leung, Treasurer
Date: December 1, 2008
Re: Financial Report

Recommendation

None. The purpose of this report is to update the Board about the financial status of the Center and the submittal of first fiscal year's financial report to the state on September 30, 2008.

Discussion

From July through October, there were only three transactions to State Water Res Control Board with total invoices of \$26,607. The tracking method is same as last fiscal year and discussed at last meeting. Enclosed are three attachments (Balance Sheet, Income Statement and Accounts Receivables) that document the process of financial result for the Center.

After our auditor RINA audited Center book, the first fiscal year's financial report (attached) was sent to the state on September 30, 2008.

Aquatic Science Center
Balance Sheet
October 31, 2008

ASSETS

Current Assets		
Wells Fargo Bank #752-8426039	\$	1,000.00
Accounts Receivable		37,033.31
		38,033.31
Total Current Assets		
		38,033.31
Property and Equipment		
		0.00
Total Property and Equipment		
		0.00
Other Assets		
		0.00
Total Other Assets		
		0.00
Total Assets		
	\$	38,033.31

LIABILITIES AND NET ASSETS

Current Liabilities		
Accounts Payable	\$	37,033.31
Due to SFEI		1,000.00
		38,033.31
Total Current Liabilities		
		38,033.31
Long-Term Liabilities		
		0.00
Total Long-Term Liabilities		
		0.00
Total Liabilities		
		38,033.31
Net Assets		
Net Income		0.00
		0.00
Total Net Assets		
		0.00
Total Liabilities & Net Assets		
	\$	38,033.31

Aquatic Science Center
Income Statement
For the Four Months Ending October 31, 2008

	Current Month		Year to Date	
Revenues				
Sales-Billed Fee Revenue	\$ 12,105.20	100.00	\$ 26,606.96	100.00
	<hr/>		<hr/>	
Total Revenues	12,105.20	100.00	26,606.96	100.00
	<hr/>		<hr/>	
Cost of Sales				
	<hr/>		<hr/>	
Total Cost of Sales	0.00	0.00	0.00	0.00
	<hr/>		<hr/>	
Net Revenues	12,105.20	100.00	26,606.96	100.00
	<hr/>		<hr/>	
Expenses				
Subcontractor	12,105.20	100.00	26,606.96	100.00
	<hr/>		<hr/>	
Total Expenses	12,105.20	100.00	26,606.96	100.00
	<hr/>		<hr/>	
Net Income	\$ 0.00	0.00	\$ 0.00	0.00
	<hr/> <hr/>		<hr/> <hr/>	

Aquatic Science Center
Aged Receivables
 As of Oct 31, 2008

Filter Criteria includes: Report order is by ID. Report is printed in Detail Format.

Customer ID Customer Contact Telephone 1	Invoice No	0-30	31-60	61-90	Over 90 days	Amount Due
SWRCB	8500001A				10,426.35	10,426.35
State Water Res Control Board	8500001B			4,513.96		4,513.96
Richard Looker	8100001	9,987.80				9,987.80
	8100002	12,105.20				12,105.20
		-----	-----	-----	-----	-----
SWRCB		22,093.00		4,513.96	10,426.35	37,033.31
State Water Res Control Board						
		-----	-----	-----	-----	-----
Report Total		22,093.00		4,513.96	10,426.35	37,033.31
		=====	=====	=====	=====	=====

**SPECIAL DISTRICTS FINANCIAL TRANSACTIONS REPORT
COVER PAGE**

Entity Name: Aquatic Science Center

SCO Reporting Year: 2008

ID Number: _____

Submitted by the Reporting Entity

Fiscal Year Ended 06/30/08 (MM/DD/YY)

Michael S Connor Signature Title Executive Director

Michael S. Connor Name (Please Print) 9-26-08 Date

Per Government Code section 53891, this report is due within 90 days after the end of the fiscal year. If filed in electronic format, the report is due within 110 days after the end of the fiscal year.

Per Government Code section 26909, a copy of the independent audit is to be filed with the Controller within 12 months after the close of the fiscal year.

To File Electronically:

1. Complete all forms as necessary.
2. Transmit the completed output file using a File Transfer Protocol (FTP) program or via diskette.
3. A responsible member of the agency must sign this cover page and mail it to either address below.

Report will not be considered filed until receipt of this signed cover page.

To File A Paper Report:

1. Complete all forms as necessary.
2. A responsible member of the agency must sign this cover page and mail it to either address below.

Mailing Address:

State Controller's Office
Division of Accounting and Reporting
Local Government Reporting Section
P. O. Box 942850
Sacramento, CA 94250

Express Mailing Address:

State Controller's Office
Division of Accounting and Reporting
Local Government Reporting Section
3301 C Street, Suite 700
Sacramento, CA 95816

District Name:

Special Districts Financial Transactions Report

Comments for the Special District Report

Fiscal Year: 2008

Comment

It is our pleasure to submit for the fiscal year ended June 30, 2008 the Annual Financial Report for the Aquatic Science Center, a Joint Powers Authority of the Bay Area Clean Water Agencies and the State Water Resources Control Board. Authority staff, following guidelines set forth by the Governmental Accounting Standards Board, prepared this financial report. The Authority is ultimately responsible for both the accuracy of the data and the completeness and fairness of presentation, including all disclosures in this financial report. We believe that the data presented are accurate in all material respects.

The Aquatic Science Center (Center) was formed in July 2007 as a Joint Powers Agreement between the State Water Resources Control Board and the Bay Area Clean Water Agencies to promote and deliver scientific support functions and information management for governmental and non-governmental organizations with roles in water quality protection, policy development, and assessment. The San Francisco Estuary Institute (SFEI), a non-profit organization formed in 1992, was named as administrator of the Aquatic Science Center.

The Center is governed by a Board of Directors that is currently comprised of the following members: Chief of the Water Division, State Water Resources Control Board, Executive Officers of Central Valley and San Francisco Bay Regional Water Quality Control Boards, three representatives from the Bay Area Clean Water Agencies, and the Director of the USEPA, Region 9, Water Division.

District Name: _____

Special Districts Financial Transactions Report

General Information

Fiscal Year 2008

Mailing Address

Street 1 Is Address Changed?

Street 2

City State Zip

Email

Members of the Governing Body

	First Name	Middle Initial	Last Name	Title
Member	<input type="text" value="Bruce"/>	<input type="text"/>	<input type="text" value="Wolfe"/>	<input type="text" value="Board Chair"/>
Member	<input type="text" value="David"/>	<input type="text"/>	<input type="text" value="Tucker"/>	<input type="text" value="Board Vice Chair & Secretary"/>
Member	<input type="text" value="Frank"/>	<input type="text"/>	<input type="text" value="Leung"/>	<input type="text" value="Board Treasurer"/>
Member	<input type="text" value="Chuck"/>	<input type="text"/>	<input type="text" value="Weir"/>	<input type="text" value="Member"/>
Member	<input type="text" value="Darrin"/>	<input type="text"/>	<input type="text" value="Polhemus"/>	<input type="text" value="Member"/>
Member	<input type="text" value="Michele"/>	<input type="text"/>	<input type="text" value="Pla"/>	<input type="text" value="Member"/>
Member	<input type="text" value="Pamela"/>	<input type="text"/>	<input type="text" value="Creedon"/>	<input type="text" value="Member"/>
Member	<input type="text" value="Alexis"/>	<input type="text"/>	<input type="text" value="Strauss"/>	<input type="text" value="Member"/>
Member	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Officials

First Name	Middle Initial	Last Name	Title
<input type="text" value="Andrew"/>	<input type="text"/>	<input type="text" value="Lloyd"/>	<input type="text" value="Attorney for the Agency"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Report Prepared By

First Name	Middle Initial	Last Name	Phone No
<input type="text" value="Lawrence"/>	<input type="text"/>	<input type="text" value="Leung"/>	<input type="text" value="510-746-7356"/>

Independent Auditor

First Name	Middle Initial	Last Name	Phone No
<input type="text" value="Howard"/>	<input type="text"/>	<input type="text" value="Zangwill"/>	<input type="text" value="510-893-6908"/>

District Name: _____

Special Districts Financial Transactions Report - Non-Enterprise Activity

Revenues, Expenditures, Sources and Uses

Fiscal Year	2008	General and Special Revenue Funds	Debt Service Funds	Capital Projects Funds
		A	B	C
Non-Enterprise Activity		<input type="text"/>		
Taxes and Assessments				
Current Secured and Unsecured (1%)		<input type="text"/>	<input type="text"/>	
Voter Approved Taxes		<input type="text"/>	<input type="text"/>	
Property Assessments		<input type="text"/>	<input type="text"/>	
Special Assessments (Mello/Roos, Mark/Roos)		<input type="text"/>	<input type="text"/>	
Prior Year Taxes and Assessments		<input type="text"/>	<input type="text"/>	
Penalties and Cost on Delinquent Taxes and Assessments		<input type="text"/>	<input type="text"/>	
Licenses, Permits, and Franchises		<input type="text"/>		
Fines, Forfeits, and Penalties		<input type="text"/>		
Revenue From Use of Money and Property				
Interest Income		<input type="text"/>	<input type="text"/>	<input type="text"/>
Rents, Concessions and Royalties		<input type="text"/>	<input type="text"/>	
Federal				
Aid for Construction		<input type="text"/>	<input type="text"/>	<input type="text"/>
Other Federal		<input type="text"/>	<input type="text"/>	<input type="text"/>
State				
Aid for Construction		<input type="text"/>	<input type="text"/>	<input type="text"/>
State Water Project		<input type="text"/>	<input type="text"/>	<input type="text"/>
Homeowners Property Tax Relief		<input type="text"/>	<input type="text"/>	
Timber Yield		<input type="text"/>	<input type="text"/>	
Other State		22,679		
Other Governmental Agencies				
Redevelopment Pass-Through		<input type="text"/>	<input type="text"/>	<input type="text"/>
Other		<input type="text"/>	<input type="text"/>	<input type="text"/>
Charges for Current Services		<input type="text"/>	<input type="text"/>	
Contributions From Property Owners		<input type="text"/>	<input type="text"/>	<input type="text"/>
Self Insurance Only				
Member Contributions		<input type="text"/>		
Claim Adjustments		<input type="text"/>		
Other Revenues		<input type="text"/>	<input type="text"/>	<input type="text"/>
Total Revenues		22,679		
Expenditures				
Salaries and Wages		<input type="text"/>		
Employee Benefits		<input type="text"/>		
Services and Supplies		22,679		
Self Insurance Only - Claims Paid		<input type="text"/>		

District Name: _____

Special Districts Financial Transactions Report - Non-Enterprise Activity

Revenues, Expenditures, Sources and Uses

Fiscal Year	2008	General and Special Revenue Funds	Debt Service Funds	Capital Projects Funds
		A	B	C
Contributions to Outside Agencies				
Debt Service				
Retirement of Long-Term Debt				
Interest on Long-Term Debt				
Interest on Short-Term Notes and Warrants				
Fixed Assets				
Other Expenditures				
Total Expenditures		22,679		
Revenues Over (Under) Expenditures		0		
Financing Sources and Uses				
Proceeds of Long-Term Debt				
Proceeds of Refunding Debt				
Payments to Refunded Debt Escrow Agent				
Inception of Lease Purchase Agreements				
Other Financing Sources				
Other Financing Uses				
Operating Transfers In (Intra-District)				
Operating Transfers Out (Intra-District)				
Total Other Financing Sources (Uses)		0		
Revenues/Sources Over (Under) Expenditures/Uses		0		
Fund Equity, Beginning of Period		0		
Prior Period Adjustments				
Residual Equity Transfers				
Other				
Fund Equity, End of Period		0		

District Name: _____

**Special Districts Financial Transactions Report
Consolidation of Fund Equities and Transfers**

Consolidation of Fund Equities and Transfers

Fiscal Year 2008

	General and Special Revenue Funds	Debt Service Funds	Capital Projects Funds	Enterprise Funds
Consolidation of Fund Equities				
Non-Enterprise Activities				
Enterprise Fund Equities				
Airport				
Electric				
Harbor and Port				
Hospital				
Waste Disposal				
Water				
Total Ending Fund Equities	0			

	Transfers In A	Transfers Out B	Net C
Consolidation of Transfers In and Transfer Out			
General and Special Revenue Funds			
Debt Service Funds			
Capital Projects Funds			
Enterprise Activities			
Airport			
Electric			
Harbor and Port			
Waste Disposal			
Water			
Total	0	0	0

District Name: _____

**Special Districts Financial Transactions Report
Appropriations Limit Information**

Appropriations Limit Information

Fiscal Year 2008

Appropriations Limit as of the End of the Fiscal Year

Total Annual Appropriations Subject to the Limit as of the End of the Fiscal Year

Amount (Over) Under the Appropriation Limit

District Name: _____
Special Districts Financial Transactions Report - Consolidated Balance Sheet

Assets

Fiscal Year 2008

	General and Special Revenue Funds	Debt Service Funds	Capital Projects Funds	Enterprise Funds	General Fixed Assets	General Long-Term Debt	Total Memorandum Only
Assets							
Cash and Cash Equivalents	1,000						1,000
Taxes Receivable							
Interest Receivable							
Accounts Receivable	10,426						10,426
Loans, Notes, and Contracts Receivable							
Due from Other Funds							
Inventory of Materials and Supplies							
Other Current Assets							
Lease Payments Receivable							
Unearned Finance Charges							
Investments							
Restricted Assets							
Deferred Charges							
Unamortized Discount on Long-Term Debt							
Other Assets							
Fixed Assets							
Land							
Buildings and Improvements							
Equipment							
Construction in Progress							
Total Fixed Assets							
Accumulated Depreciation							
Net Fixed Assets							
Other Debits							
Amount Available in Debt Service Funds							
Amount to be Provided							
Total Assets	11,426						11,426

District Name: _____
Special Districts Financial Transactions Report - Consolidated Balance Sheet

Liabilities and Equity

2008

Fiscal Year

	General and Special Revenue Funds	Debt Service Funds	Capital Projects Funds	Enterprise Funds	General Fixed Assets	General Long-Term Debt	Total Memorandum Only
Liabilities and Equity							
Accounts/Warrants Payable	10,426						10,426
Loans and Notes Payable							
Interest Payable - Matured/Accrued							
Other Current Liabilities	1,000						1,000
Compensated Absences Payable							
Due to Other Governments							
Due to Other Funds							
Long-Term Debt							
General Obligation Bonds							
Revenue Bonds							
Certificates of Participation							
Special Assessment							
Federal							
State							
Time Warrants							
Other Long-Term Indebtedness							
Unamortized Premium on Long-Term Debt							
Advances for Construction							
Deferred Revenue							
All Other Non-Current Liabilities							
Total Liabilities	11,426						11,426
Fund Equity							
Contributed Capital							
Investments in General Fixed Assets							
Retained Earnings							
Reserved							
Unreserved							
Fund Balances							
Reserved							
Unreserved Designated							
Unreserved Undesignated							
Total Fund Equity	0						0
Total Liabilities and Fund Equity	11,426						11,426

AQUATIC SCIENCE CENTER

FINANCIAL STATEMENTS

JUNE 30, 2008

AQUATIC SCIENCE CENTER

TABLE OF CONTENTS

Independent auditors' report	Page 2
Management's discussion and analysis	Pages 3 - 6
Statement of net assets - June 30, 2008	Page 7
Statement of revenues, expenses and changes in net assets for the year ended June 30, 2008	Page 8
Statement of cash flows for the year ended June 30, 2008	Page 9
Notes to basic financial statements - June 30, 2008	Pages 10 - 11

RINA accountancy corporation

475 - 14th Street, Suite 1200 Oakland, CA 94612

phone: 510.893.6908 fax: 510.834.1522 1.800.RINA.CPA web: www.rina.com



Independent Auditors' Report

The Board of Trustees
Aquatic Science Center

We have audited the accompanying financial statements of the Aquatic Science Center ("ASC") of the business-type activities and major fund as of and for the year ended June 30, 2008, which collectively comprise ASC's basic financial statements, as listed in the table of contents. These financial statements are the responsibility of ASC's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the business-type activities and major fund of ASC as of June 30, 2008, and the changes in its net assets and its cash flows for the year then ended, in conformity with accounting principles generally accepted in the United States of America.

Management's discussion and analysis on pages 3 through 6 is not a required part of the basic financial statements but is supplementary information required by accounting principals generally accepted in the United States of America. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of the required supplementary information. However, we did not audit the information and express no opinion on it.

Our audit was conducted for the purpose of forming and opinion on the financial statements that collectively comprise ASC's basic financial statements. The introductory section is presented for purposes of additional analysis and is not a required part of the basic financial statements. The introductory section has not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we express no opinion on it.

RINA accountancy corporation

Certified Public Accountants

Oakland, California
September 26, 2008

AQUATIC SCIENCE CENTER

MANAGEMENT'S DISCUSSION AND ANALYSIS

YEAR ENDED JUNE 30, 2008

The following discussion and analysis of the financial performance of Aquatic Science Center provides an overview of ASC's financial activities for the fiscal year ended June 30, 2008. Please read it in conjunction with the financial statements identified in the accompanying table of contents.

FINANCIAL HIGHLIGHTS

- The year ended June 30, 2008 was ASC's first fiscal year.
- Total net assets remained at \$0 during the fiscal year.
- Revenue totaled \$22,679 for the current fiscal year.
- Expenses totaled \$22,679 for the current fiscal year.

OVERVIEW OF THE FINANCIAL STATEMENTS

Using the Accompanying Financial Statements:

The annual report consists of three parts – *management's discussion and analysis* (this section), the *basic financial statements*, and *notes to the basic financial statements*:

The basic financial statements include the following:

- The Statement of Net Assets provides *short-term and long-term* information about ASC's overall financial status.
- The Statement of Revenues, Expenses and Changes in Net Assets report the revenues and expenses of ASC for the fiscal year on an accrual basis of accounting and relate this to the increase in the net assets of ASC.
- The Statement of Cash Flows reports ASC's operating and financing cash flows and reconciles operating income to the net cash provided by operating and financing activities.

The notes to the financial statements provide additional information about the nature of ASC's activities and operations and its significant accounting policies, as well as, more detailed explanations about some of the information contained in the basic financial statements.

ASC operates as an enterprise fund, meaning that charges for services are expected to cover all expenses. Therefore, ASC presents *proprietary fund* statements.

Proprietary fund statements offer *short* and *long-term* financial information about activities ASC operates in a manner similar to a private business.

Government Fund Reporting:

Figure A-1 summarizes the major features of government financial statements, including the portion of the government they cover and the types of information they contain. Because ASC is a proprietary fund, the financial statements adhere to the Proprietary Funds format.

AQUATIC SCIENCE CENTER
MANAGEMENT'S DISCUSSION AND ANALYSIS
YEAR ENDED JUNE 30, 2008

Figure A-1 - Major Features of Government - Wide and Fund Financial Statements.

	Government-Wide Statements	Fund Statements		
		Governmental Funds	Proprietary Funds	Fiduciary Funds
Scope	Entire ASC government (except fiduciary funds) and ASC's component units	The activities of ASC that are not proprietary or fiduciary	Activities ASC operates similar to private businesses	Instances in which ASC is the trustee or agent for someone else's resources
Required financial statements	<ul style="list-style-type: none"> • Statement of net assets • Statement of activities 	<ul style="list-style-type: none"> • Balance sheet • Statement of revenues, expenditures and changes in fund balances 	<ul style="list-style-type: none"> • Statement of net assets • Statement of revenues, expenses and changes in net assets • Statement of cash flows 	<ul style="list-style-type: none"> • Statement of fiduciary net assets • Statement of changes in fiduciary net assets
Accounting basis and measurement focus	Accrual accounting and economic resources focus	Modified accrual accounting and current financial resources focus	Accrual accounting and economic resources focus	Modified accrual accounting and economic resources focus
Type of asset/liability information	All assets and liabilities, both financial and capital, and short-term and long-term	Only assets expected to be used up and liabilities that come due during the year or soon thereafter; no capital assets or long-term debt included	All assets and liabilities, both financial and capital, and short-term and long-term	All assets and liabilities, both short-term and long-term; ASC's fiduciary funds do not currently contain capital assets, although they can
Type of inflow/outflow information	All revenues and expenses during year, regardless of when cash is received or paid	Revenues for which cash is received during or soon after the end of the year; expenditures when goods or services have been received and payment is due during the year or soon thereafter	All revenues and expenses during the year, regardless of when cash is received or paid	All revenues and expenses during year, regardless of when cash is received or paid.

AQUATIC SCIENCE CENTER

MANAGEMENT'S DISCUSSION AND ANALYSIS

YEAR ENDED JUNE 30, 2008

Reporting ASC as a Whole:

The accompanying financial statements include two statements which present financial data for ASC as a whole. One of the most important questions asked about ASC's finances is, "Is ASC, as a whole, better off or worse off as a result of the year's activities?" The Statement of Net Assets and the Statement of Revenues, Expenses and Changes in Net Assets report information about ASC as a whole and about its activities in a way that helps answer this question. These statements include all assets and liabilities using the *accrual basis of accounting*, which is similar to the accounting used by most private-sector companies. All of the current year's revenues and expenses are taken into account regardless of when cash is received or paid.

These two statements report ASC's net assets and changes in them. You can think of ASC's net assets, the difference between assets and liabilities, as one way to measure ASC's financial health, or financial position. Over time, increases and decreases in ASC's net assets are one indicator of whether its financial health is improving or deteriorating. You will need to consider other factors, however, such as changes in client needs/agreements for services and changes in ASC's cost structure, to assess the overall health of ASC.

Because ASC is receiving funds in the form of grants and contracts from Federal and State agencies and San Francisco Estuary Institute, as ASC's administrator, is disbursing funds to accomplish that contractual work, there is a balance between program revenues and liabilities, ASC's financial statements therefore will generally not reflect an accumulation of net assets as a measure of the organization's health. Each individual grant and contract should show that ASC is accomplishing the work proposed within the budgetary scope. The financial risk for ASC rests with its administrator, San Francisco Estuary Institute, which incorporates into its indirect cost rate the costs of administering ASC and accomplishing the objectives.

In the Statement of Net Assets and the Statement of Revenues, Expenses and Changes in Net Assets, ASC's services are presented as Business-type activities. ASC charges a fee to customers to help it cover all of the cost of the services accounted for in the fund.

Reporting ASC's Proprietary Fund:

The accompanying financial statements provide detailed information on ASC's only fund – and thus ASC as a whole. ASC Board may establish other funds to help it control and manage money for particular purposes or to show that it is meeting administrative responsibilities for tracking certain grants or other money. ASC's one fund is a *proprietary fund*.

Proprietary funds – When an agency charges customer for the services it provides, whether to outside customers or to other units of the agency, these services are generally reported in proprietary funds. Required financial statements for proprietary funds include a Statement of Net Assets, and a Statement of Revenues, Expenses and Changes in Net Assets and a Statement of Cash Flows.

Business-Type Activities:

Revenues of ASC's operations totaled \$22,679.

Long-Term Debt:

At the end of the current fiscal year, ASC had no long-term debt outstanding.

AQUATIC SCIENCE CENTER
MANAGEMENT'S DISCUSSION AND ANALYSIS
YEAR ENDED JUNE 30, 2008

Future Financial Performance:

Management is not aware of any other commitments or conditions that may have a significant impact on the financial condition or operating results of ASC after the date of the financial statements presented.

Contacting ASC's Financial Management:

This financial report is designed to provide our customers and creditors with a general overview of ASC's finances and to show ASC's accountability for the money it receives. If you have questions about this report or need additional financial information, contact Michael S. Connor, the Executive Director of San Francisco Estuary Institute, ASC's Administrator, 7770 Pardee Lane Oakland, CA 94621.

AQUATIC SCIENCE CENTER

STATEMENT OF NET ASSETS - JUNE 30, 2008

ASSETS

CURRENT ASSETS:

Cash	\$ 1,000
Accounts receivable	<u>10,426</u>

TOTAL ASSETS	<u>\$ 11,426</u>
--------------	------------------

LIABILITIES AND NET ASSETS

CURRENT LIABILITIES:

Accounts payable	\$ 10,426
Due to San Francisco Estuary Institute	<u>1,000</u>

TOTAL LIABILITIES	<u>11,426</u>
-------------------	---------------

NET ASSETS:

Unrestricted	<u>0</u>
--------------	----------

TOTAL NET ASSETS	<u>0</u>
------------------	----------

TOTAL LIABILITIES AND NET ASSETS	<u>\$ 11,426</u>
----------------------------------	------------------

See notes to financial statements.

AQUATIC SCIENCE CENTER

STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS

YEAR ENDED JUNE 30, 2008

OPERATING REVENUES:	
Charges for services	<u>\$ 22,679</u>
 TOTAL OPERATING REVENUES	 <u>22,679</u>
OPERATING EXPENSES:	
Subcontractor	<u>22,679</u>
 TOTAL OPERATING EXPENSES	 <u>22,679</u>
 NET	 <u>0</u>
 OPERATING INCOME	 0
 NET ASSETS, beginning of year	 <u>0</u>
 NET ASSETS, end of year	 <u><u>\$ 0</u></u>

See notes to financial statements.

AQUATIC SCIENCE CENTER

STATEMENT OF CASH FLOWS

YEAR ENDED JUNE 30, 2008

CASH FLOWS FROM OPERATING ACTIVITIES:	
Cash received from government agencies	\$ 12,253
Cash payments to subcontractor for services	<u>(12,253)</u>
NET CASH USED IN OPERATING ACTIVITIES	<u>0</u>
CASH FLOWS FROM FINANCING ACTIVITIES:	
Advance from San Francisco Estuary Institute	1,000
NET CASH PROVIDED BY FINANCING ACTIVITIES	<u>1,000</u>
NET INCREASE IN CASH	<u>1,000</u>
CASH AND CASH EQUIVALENTS, beginning of year	<u>0</u>
CASH AND CASH EQUIVALENTS, end of year	<u><u>\$ 1,000</u></u>
RECONCILIATION OF NET TO NET CASH USED IN OPERATING ACTIVITIES:	
Change in net assets	\$ 0
Adjustments to reconcile change in net assets to cash used by operating activities:	
Increase in accounts receivable	(10,426)
Increase in accounts payable	<u>10,426</u>
NET CASH USED IN OPERATING ACTIVITIES	<u><u>\$ 0</u></u>

See notes to financial statements.

AQUATIC SCIENCE CENTER

NOTES TO BASIC FINANCIAL STATEMENTS - JUNE 30, 2008

Note 1. REPORTING ENTITY AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES:

Nature of activities:

Aquatic Science Center (ASC) was formed to assist with the efficient delivery of financial, scientific, monitoring, and information management support functions.

Members of ASC currently include the State Water Resources Control Board (State Water Board) and the Bay Area Clean Water Agencies (BACWA).

A five-member board consisting of seven representatives controls ASC. None of the member entities exercise specific control over budgeting and financing of ASC's activities beyond their representation on the board. Upon the concurrence of a majority of the Board, other public agencies may be added as parties to this Joint Powers Authority (JPA). The Board may from time to time appoint one or more advisory committees or establish advisory entities to assist in carrying out the objectives of ASC. Accounting services are to be provided by an independent certified public accountant or the Treasurer or Chief Financial Officer of any Signatory.

Formation of ASC:

ASC was formed by a Joint Powers Agreement originally dated July 1, 2007. The Agreement was made and entered into by and between the parties to the Joint Powers Agreement who are the State Water Resources Control Board (State Water Board) and the Bay Area Clean Water Agencies (BACWA).

The Governing Board of Directors (Board) for ASC, which at a minimum is composed of the following: Deputy Director of Division of Water Quality of State Water Resources Control Board, Executive Officer of San Francisco Bay Regional Water Quality Control Board, Executive Officer of Central Valley Regional Water Quality Control Board, Division Director of Water Division of U.S. Environmental Protection Agency, Region IX, and three directors appointed by BACWA. Upon the concurrence of a majority of the Board, other public agencies may be added as parties to this JPA

Fund Accounting:

The basic accounting and reporting entity is a "fund". A fund is defined as an independent fiscal and accounting entity with a self-balancing set of accounts, recording resources, related liabilities, obligations, reserves and equities segregated for the purpose of carrying out specific activities or attaining certain objectives in accordance with special regulations, restrictions or limitations.

ASC applies all applicable GASB pronouncements in accounting and reporting for its proprietary operations as well as the following pronouncements issued on or before November 30, 1989, unless these pronouncements conflict with or contradict GASB pronouncements: Financial Accounting Standards Board (FASB) Statements and Interpretations, Accounting Principles Board (APB) Opinions, and Accounting Research Bulletins (ARBs) of the Committee on Accounting Procedure.

All funds of ASC are enterprise funds and are considered business-type activities. Enterprise funds are used to account for operations (a) that are financed primarily through user charges, or (b) where the governing body has decided that the determination of net income is appropriate.

AQUATIC SCIENCE CENTER

NOTES TO BASIC FINANCIAL STATEMENTS - JUNE 30, 2008

Note 1. REPORTING ENTITY AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED):

Measurement focus and basis of accounting:

The proprietary fund types are accounted for on an "income determination" or "cost of services" measurement focus. Accordingly, all assets and liabilities are included on the balance sheet, and the reported fund equity provides an indication of the historical net worth of the fund. Operating statements for proprietary fund types report increases (revenues) and decreases (expenses) in total historical net worth. Proprietary funds use the accrual basis of accounting, i.e., additions are recognized in the period earned and deductions are recognized in the period incurred.

Proprietary funds distinguish operating revenues and expenses from nonoperating items. Operating revenues and expenses result from providing goods and services related to the fund's ongoing operations. The principal operating revenue of the Authority's enterprise funds is charges for services. Operating expenses include the salaries, benefits and, administrative expenses. All revenues and expenses not meeting this definition are reported as nonoperating revenues and expenses.

Cash equivalents:

Cash equivalents are defined as short-term, highly liquid investments that are both readily convertible to known amounts of cash or so near their maturity that they present insignificant risk of changes in interest rates, and have a maturity date of three months or less at the time of purchase.

Accounts receivable:

ASC uses the allowance method of accounting for bad debts. ASC's bad debt experience indicates, however, that any current allowance for bad debts would not be a material amount.

Note 2. NATURE OF ESTIMATES:

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

Note 3. RELATED PARTY TRANSACTIONS:

San Francisco Estuary Institute, as ASC's administrator, advanced \$1,000 to ASC to fund operations.