

RICHARDSON'S BAY REGIONAL AGENCY

Thursday, November 18, 2010

5:30 P.M. to 7:00 P.M.

Sausalito City Council Chambers 420 Litho Street Sausalito, CA

PUBLIC COMMENT IS INVITED CONCERNING EACH AGENDIZED ITEM PURSUANT TO THE BROWN ACT. PLEASE LIMIT YOUR COMMENTS TO THREE (3) MINUTES.

AGENDA

5:30 P.M. CALL TO ORDER - ROLL CALL

1. Minutes of June 17, 2010 and August 19, 2010 Meetings
2. Discussion and Board comments on FY 2007-08, 2008-009 fiscal audit prepared by Maher Accountancy
3. Review report of Harbor Administrator
4. Approval of prior expenditures for September-October 2010.
5. Approval of resolution accepting Vessel Turn-In Program (VTIP) Grant from California Department of Boating and Waterways
6. TMDL status report and discussion of recent water quality test results
7. Public comments invited concerning items NOT on this Agenda (3-minute limit)
8. Staff comments
9. Board member matters

NEXT MEETING: Tentatively planned for January 20, 2011. Board members please review your calendars and advise Staff as to your availability.

A COMPLETE AGENDA PACKET IS AVAILABLE FOR VIEWING ON THE RBRA WEBSITE <http://rbra.ca.gov> , AND AT THE SAUSALITO CITY LIBRARY.

TO RECEIVE AN ELECTRONIC MEETING NOTICE, PLEASE EMAIL REQUEST TO DON ALLEE AT dallee@co.marin.ca.us

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Office 415/289-4143 Cell 415/971-3919 bprice@co.marin.ca.us

RICHARDSON'S BAY REGIONAL AGENCY

MEMORANDUM

November 10, 2010

TO: RBRA Board
FROM: Ben Berto, RBRA Clerk
SUBJECT: November meeting

Board members:

Members from Mill Valley, Belvedere, and Tiburon have confirmed their availability, so at this time we have a bare quorum. Regular Chair McGlashan has an unavoidable scheduling conflict calling him away, so Vice-Chair Wachtel will be Acting Chair.

Following additional meetings, phone calls, emails, etc., Maher Accountancy is finalizing its biennial audit report (Agenda item 2, attached). Although not available for the packet being sent out this Friday, staff expects it will be available to the Board prior to the meeting. Based on the final draft, the important change from the earlier draft audit report is the "Final Budget" and "Actual" Board adopted revenues and expenditures for Fiscal Year 2008-2009 have been adjusted upwards to \$330,627 and \$349,730 respectively, which comports within \$10K of the year-end actuals reported by SAP. The revenue figures are \$30K higher than the revenue line item amount shown in Maher's draft report. The previous draft auditor's report provided for the August hearing should be thrown out once this meeting's report is received and substituted.

Staff has promised Maher it will endeavor to clearly report for the record budget changes, transfers, augments, etc. going forward. For example, Staff has listed the amount of the State grant in the agenda for tonight's meeting, and notes that this grant was anticipated in the Board's adopted budget (in other words, the \$25K grant does not impact our revenues for this year).

On the subject of the grant, as anticipated RBRA has been awarded a \$25,000 grant from the State Department of Boating and Waterways pursuant to the Vessel Turn-In Program enabled by the passage of AB 166. The Board may recall this law allows persons who wish to dispose of a vessel to turn it in without major economic penalty.

Staff will report in Agenda item 6 its progress on local efforts relating to the State's Adopted Basin Plan Amendment (TMDL).

Included in the agenda the water quality test results for the year. They were very good. With the exception of Waldo Gates, most of the other testing locations met water quality standards during most of the testing periods, and even Waldo Gates was better than usual. Just as staff was at a loss to explain the below-average results last year, it would probably be misleading to attribute this year's good results to any circumstance or factors. Whatever the causes, staff is happy to report the results.

There continues to be progress towards the possibility of the America's Cup coming to the San Francisco Bay. It would be exciting to have a world-class nautical competition grace the Bay area much as the San Francisco Giants have provided a positive boost with their superb World Series victory.

RICHARDSON'S BAY REGIONAL AGENCY
MINUTES OF August 19, 2010
HELD AT SAUSALITO CITY HALL CHAMBERS

MEMBERS PRESENT: Board Chair Charles McGlashan, (Marin County); Ken Wachtel, (Mill Valley); Jerry Butler (Belvedere); Emmitt O'Donnell (Tiburon)

ABSENT: Jonathan Leone (Sausalito)

STAFF: Bill Price (Harbor Administrator); Ben Berto (RBRA Clerk)

Meeting called to order at 5:32 PM

Public comments invited concerning items NOT on this Agenda (3-minute limit)

Bob Mitchell questioned the report in the minutes of 6/17/2010 that referred to Chair McGlashan and Clem Shute being involved in preparatory work for the Mooring Proposal. He felt that this work had not been properly vetted before Sausalito. Chair McGlashan emphasized that nothing would be formalized without community input, but that the BCDC would have to show some support before community workshops could begin. Chair McGlashan asked Staff to review the tapes for the June meeting.

Discussion and Board comments on recent audits

John Maher, of Maher Accountancy, presented the biennial audit for FY's 2008 and 2009 and explained that the RBRA was treated as an enterprise fund for accounting purposes. He stated that the RBRA could not sustain ongoing operating losses such as reported in 2008. The budget information shows RBRA members have been filling in for State funding shortfalls (e.g., funding for water quality testing). Mr. Maher noted there was good role segregation for expenditures, and he recommended a second reviewer when receiving grant revenues. He also recommended finding a better way to document any budget amendments since they did not always reflect in the accounting program. Mr. Maher also stated he would try to get the report out earlier next time.

Mr. Berto explained that the SAP system has been a problem, with year-end closing delays that have affected our ability to accurately track expenditures and revenues. He also emphasized that this would be the last year the RBRA could sustain a flat-line budget.

Chair McGlashan said that our monthly synopsis shows that the budget was on track, and if that is different we needed to rectify the reporting. He asked for an agenda item in the next meeting to look at what happened. Mr. Maher explained that \$16K of the overages were due to depreciation which is not calculated in our budget planning. Mr. O'Donnell asked what the big hits were in the general category "Professional Service", and he asked if there was a way to break out that category to illuminate the details. Mr. Berto explained that details were provided in the annual budget, and it included Bill's and some of his salaries, consultants, legal counsel, all diver services, and most of what Bill pays to have done.

Chair McGlashan asked Staff to bring the audit back for further review at the next RBRA meeting in order to clarify some points. He also asked for Staff to confer with County Counsel to determine if a Board action was needed to approve the audit.

Minutes of June 17, 2010 Meeting

Minutes were held over until the next meeting pending review of the tapes.

Review report of Harbor Administrator

Mr. Price informed the Board that there were more boats anchoring on the bay, mainly due to the current economic decline. Member O'Donnell asked if the Coast Guard could track down the owners, and Mr. Price explained that the Coast Guard's enthusiasm for pursuing derelict vessels depended on the Commanding Officer in charge, and that the C.O. position rotated out every two years. They are also reluctant to work outside the channels due to shallows. Currently, a program was in the works to track derelicts through the Incident Command office and a Coast Guard unit was to begin posting vessels in the next two weeks. Ideally Sheriff, Police, and Coast Guard would team up together.

Staff thanked Sausalito Police Department and Cpl. Matt Shoup in particular for his assistance in registered owner information for the 2010 census.

Mr. Price outlined his efforts to educate the local rental operations who are sending stand-up paddleboarders into active navigation channels without proper safety briefings.

Member Butler asked that Staff put together an annual list of vessels removed by the RBRA that could be compared to the 2010 census which shows an increase of 12 vessels juxtaposed against the removal of around 40 derelict vessels.

Mr. Mitchell asked if Staff could arrange an aerial photograph that would show the location of existing vessels. He expressed his concern that 95% of the vessels were in Sausalito waters, and if a Mooring Plan was put in place, he did not see how it could be policed. Nothing has been or is being done.

Report was accepted.

Prior Expenditures

The expenditure report was accepted.

Staff Comments

Mr. Berto commented briefly on the TMDL program, stating that he was finally making progress on TMDL implementation and gaining use of the EPA grant funding promised to the RBRA.

Board Member Matters

None

Public Comments

Mr. Mitchell reiterated his concerns about the Mooring Field proposal, and said that he would support a Mooring Field if it would be adequately policed. He felt that without enforcement it would just institutionalize the current situation.

The meeting was adjourned to closed session at 6:45 PM.

NOTE: The next meeting of the RBRA is scheduled for **November 18 at 5:30 PM** at the Sausalito City Hall Chambers.

RICHARDSON'S BAY REGIONAL AGENCY
MINUTES OF JUNE 17, 2010
HELD AT SAUSALITO CITY HALL CHAMBERS

MEMBERS PRESENT: Board Chair Charles McGlashan, (Marin County); Ken Wachtel, (Mill Valley); Emmitt O'Donnell (Tiburon)

ABSENT: Jerry Butler (Belvedere); Jonathan Leone (Sausalito)

STAFF: Bill Price (Harbor Administrator); Ben Berto (RBRA Clerk)

Meeting called to order at 5:37 PM

Public comments invited concerning items NOT on this Agenda (3-minute limit)

Hillair Bell asked if there would be a discussion of the WAM (Waterfront and Marinship) subcommittee report.

Chair McGlashan said that the WAM report was prepared for the City of Sausalito by local citizens, and unless Sausalito asked the RBRA for input, the RBRA would not intervene or weigh in on the report. If a large focus of the WAM report had been on the Mooring Field concept, the RBRA would have interacted more.

Minutes of April 15, 2010 Meeting

Minutes were approved.

Review report of Harbor Administrator

Mr. Price gave an overview of the recent DBW (Dept. of Boating and Waterways) Commission meeting he attended in Stockton while representing the RBRA and the California Harbormasters and Port Captains Association. He also gave an update on the new sewage pump-out vessel which is expected to be in service by early August.

Report was accepted.

Prior Expenditures

The expenditure report was accepted.

Discussion and Board comments on Resolution 10-03 to amend the current Contract #09-214-505 and accept additional AWAFF funds of \$15,000

After a brief discussion led by Mr. Price, Member Wachtel made a motion to accept the funding and Member O'Donnell seconded. The motion passed unanimously.

Approval of contract with Maher Accountancy for audit of FY's 2008 & 2009

Member O'Donnell asked if the audit was competitively priced and Staff responded that it was, especially since the audit period covered two years.

The contract was approved unanimously.

Staff Comments

Mr. Berto announced that the 2010 anchorage census was complete, and that the number of vessels had increased by 12 from 2008. He stated that the results were directly applicable to the Mooring Plan and that the data indicated a number of conclusions that pointed favorably to a well-conceived management plan for the anchorage. He also brought up the recent changes at DBW. Considering a spate of DBW-funded projects threatened with cuts, he pointed out that sequestered boater funds being raided by the state might spark user group actions in order to recover them. He cautioned that future cuts in DBW programs may require securing additional local funds from RBRA member agencies in order to carry out the RBRA's core mission activities.

Board Member Matters

Chair McGlashan said that he would be happy to approach DBW directly if it would help in any way. He also mentioned that he and Mr. Shute were doing preparatory work concerning BCDC.

The meeting was adjourned at 6:35 PM

NOTE: The next meeting of the RBRA is scheduled for **August 19, 2010 at 5:30 PM** at the Sausalito City Hall Chambers.

RICHARDSON'S BAY REGIONAL AGENCY

HARBOR ADMINISTRATOR'S REPORT

November 12, 2010

WORKING RELATIONSHIPS

- **Dept. of Boating and Waterways** – 1) Sent in reimbursal request for the final amount of 2009/10 AWAFF grant funds in the amount of \$22,983, which represents the disposal of 16 large vessels. 2) Received our Vessel Turn-In Program grant package totaling \$25,000. 3) The retired sewage pump-out vessel is going back to DBW, and it will be delivered to the GSA auction yard in November. However, since the RBRA purchased the replacement motor for the old “Waste Aweigh”, it will be sold to supplement the maintenance budget.
- **US Coast Guard** – 1) The Coast Guard began a program of actively pursuing unregistered derelict vessels. They went out on a joint operation with Sausalito Police Department and posted 3 vessels.
- **Sausalito Police Department** – 1) training two officers in the operation of the patrol vessel. 2) Working with SPD to keep their city-owned docks clear of unauthorized vessels. 3) Utilizing probation crew to clear city docks of debris, remove dangerous dock sections and assist when needed.
- **CA Association of Harbor Masters and Port Captains** – Harbor Administrator Appointed as Second Vice President of the organization. Attended the annual Training Conference and Trade Show in October, and met with DBW reps and officers, discussing grant programs and partnerships.

DEBRIS REMOVAL

- Disposed of 7 vessels as well as 4 skiffs. 4 boats are currently impounded.
- Beach clean-up efforts continue using Community Service volunteers.

RAPID RESPONSE

- Two vessels were retrieved from West Shore Road, Belvedere and Tiburon. Two other boats were taken into tow during a recent storm and secured.

WATER QUALITY

- The annual water tests have concluded and there was a marked improvement in the water quality this year. A full report is attached.
- Mentoring Schoonmaker Point Marina, Pelican Yacht Harbor and Sausalito Yacht Harbor to become certified California Clean Marinas and comply with the TMDL. Schoonmaker is very close to certification.
- Inspecting and monitoring the sewage hook-ups for all boats in Galilee Harbor houseboat marina.

OTHER

- Mythbusters, the Discovery Channel's science show, contracted the patrol vessel for a day of work in Alameda for \$500, which will offset the maintenance budget.
- Mono Street Marsh has been recovering from the effects of previous foot traffic that has now been stopped by the placement of a snow fence along the perimeter. This was accomplished through a partnership with City Public Works, Galilee Harbor, and the RRBA.

Richardson Bay Regional Agency

Vessel Disposal List Sept.- Nov. 2010

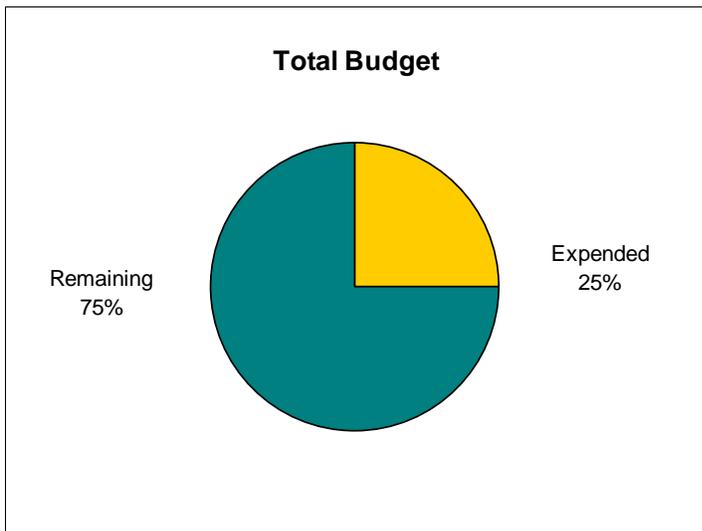
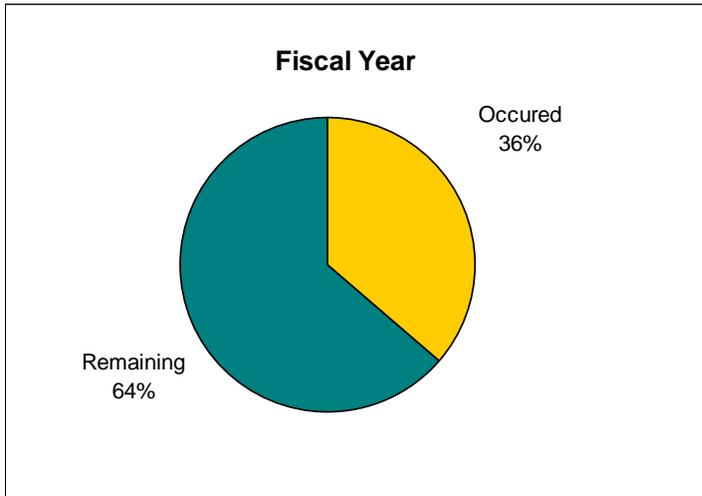
Date	Name	Type	Amount
8/21/2010	HARE KHALSA	37' POWERBOAT	1,755.00 SUNK
9/25/2010	CAPT KIRK	32' SAIL	1,400.00 SUNK
9/25/2010	ISLANDER BAHAMA	24' SAIL	692.94 ABANDONED
10/23/2010	MYSTIC	34' SAIL	754.26 ABANDONED
10/23/2010	CHRISCRAFT 14	14' RUNABOUT	498.00 ABAN. IN HARBOR
11/6/2010	SEA HAWK	57' POWERBOAT	7,574.75 SUNK
11/6/2010	ALUMINUM SKIFF	16' RUNABOUT	50.00 SUNK
		TOTAL	12,724.95

RBRA FY 2010 - SEPT. 11 - NOV. 6, 2009 BALANCE SHEET

TYPE	ACCOUNT NAME	EXPENSES	REVENUE
Int on Pooled Invst	QUARTERLY INTEREST		-803.52
Rental Income	MOORING RENT - Valdez		-300.00
Rental Income	MOORING RENT - Warren		-300.00
Sales and Services	SAUSALITO YACHT HARBOR		-1093.00
Sales and Services	CLIPPER YACHT HARBOR		-947.85
			-3444.37
Professional Services	FLESHMAN, TIMOTHY	550.00	
Professional Services	MARINE SURVEY - WEDLOCK	185.00	
Professional Services	MARINE SURVEY - WEDLOCK	185.00	
Professional Services	MARINE SURVEY - WEDLOCK	185.00	
Professional Services	DAY LABOR - FLESHMAN	275.00	
Professional Services	DAY LABOR - FLESHMAN	300.00	
Professional Services	DAVE'S DIVING - FAST RESPONSE	425.00	
Professional Services	DAVE'S DIVING - FAST RESPONSE	425.00	
Professional Services	DAY LABOR - FLESHMAN	250.00	
Professional Services	DAY LABOR - FLESHMAN	200.00	
Professional Services	MARINE SURVEY - WEDLOCK	185.00	
HazMat Clean Up	BAY CITIES REFUSE - DEBRIS FEES	2009.90	
HazMat Clean Up	BAY CITIES REFUSE - DEBRIS FEES	1649.00	
Prof Svcs - Legal	CO OF MARIN - LEGAL FEES	175.00	
ProfServ-CntySalRe	SALARY	9467.43	
ProfServ-CntySalRe	SALARY	9277.14	
Com Srvc - Broadband	AT & T	77.93	
Com Srvc - Broadband	EARTHLINK	5.90	
Com Srvc - Cell Phone	AT&T MOBILE PHONE	68.73	
Rent - Equip Rental	HERTZ EQUIPMENT - EXCAVATOR	1498.20	
Rent - Equip Rental	HERTZ EQUIPMENT - BACKHOE	637.11	
Rent	LIBERTY SHIP WAY DRY STORAGE	240.00	
Rent	SCHOONMAKER POINT SLIP RENT	276.44	
Rent	SCHOONMAKER POINT SLIP RENT	147.50	
Rent	ICB ASSOCIATES - OFFICE RENT	420.00	
Rent	SAUSALITO SHIPYARD - SLIP RENT	210.00	
Rent	SAUSALITO SHIPYARD - SLIP RENT	210.00	
Rent	SAUSALITO SHIPYARD - SLIP RENT	210.00	
Rent	ICB ASSOCIATES - OFFICE RENT	420.00	
Rent	SCHOONMAKER POINT SLIP RENT	275.64	
Rent	SCHOONMAKER POINT SLIP RENT	147.50	
Rent	LIBERTY SHIP WAY DRY STORAGE	240.00	
Subscriptions	ARK NEWSPAPER INC	65.00	
Travel-Meals	THAI SMILE -LUNCH - EHS WATER TEST CREW	42.47	
Travel-Meals	BAYSIDE CAFÉ - LUNCH FOR VOLUNTEERS	22.35	
Oth Maintenance	JACKSON HARDWARE - CHAINSAW REPAIR	35.00	
Oth Maintenance	PORT SUPPLY - BOAT PARTS	79.79	
Oth Maintenance	JACKSON HARDWARE - CHAINSAW REPAIR	118.36	
Oth Maintenance	US BANK GOVERNMENT SERVICES - ACH	13.46	
Oth Maintenance	PRICE, WILLIAM G	44.14	
Oth Maintenance	MT HEAD MOBILE PUMP-OUT	300.00	
Oil & Gas	CHEVRON FUEL DOCK	58.78	
Oil & Gas	CHEVRON FUEL DOCK	56.00	

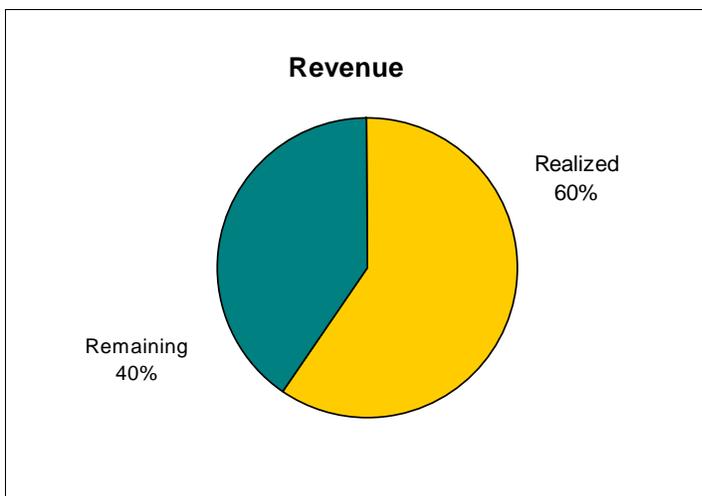
31663.77

Percent of Budget and Percent of Year as of November 10, 2010



Expenditures vs. Budgeted Expenditures

Expenditures	\$ 87,347
Adopted Budget	\$349,590



Realized Revenue vs. Budgeted Revenue

Realized Revenue	\$210,956
Budgeted Revenue	\$349,626

RICHARDSON'S BAY REGIONAL AGENCY

RESOLUTION NO. 11-02

RESOLUTION OF THE BOARD OF THE RICHARDSON'S BAY REGIONAL AGENCY AGREEING TO ENTER INTO A CONTRACT WITH THE CALIFORNIA STATE DEPARTMENT OF BOATING AND WATERWAYS

WHEREAS, the Department of Boating and Waterways of the State of California (DBW) has granted funds of \$25,000 through the Vessel Turn-In Program (VTIP) to the RBRA to be used to remove derelict watercraft from the waters of Richardson's Bay, and

WHEREAS, it is agreed that the Richardson's Bay Regional Agency (RBRA) will pay a 10% match (\$2,500) for all invoices related to this work, and

WHEREAS, it is agreed that the Richardson's Bay Regional Agency shall submit no invoices for staff time to the DBW.

NOW, THEREFORE BE IT RESOLVED, as follows:

The Board of the Richardson's Bay Regional Agency approves the 2010/11 VTIP contract with the Department of Boating and Waterways, and that the Harbor Administrator, William Price, is authorized as signatory to represent RBRA in all matters pertaining to the execution of this AWAFF contract.

PASSED AND ADOPTED at a regular meeting of the Richardson's Bay Regional Agency, this 18th day of November, 2010.

AYES:

NOES:

ABSENT:

**ACTING CHAIRMAN
KEN WACHTEL**

ATTEST:

**CLERK OF BOARD
BEN BERTO**

RICHARDSON'S BAY REGIONAL AGENCY

MEMORANDUM

November 12, 2010

TO: RBRA Board

FROM: Ben Berto, RBRA Clerk

SUBJECT: Total Maximum Daily Load (TMDL) implementation status report

Board members:

Staff recently received word from County Department of Public Works, the EPA grant administrator, that RBRA could now bill against the portion of the grant designated to assist RBRA's water planning and monitoring efforts, pursuant to our implementation of the recently adopted Basin Plan Amendment (TMDL).

Work has already been underway on the Local Implementation Plan. Items include:

- Additional testing sites. Marin County Stormwater Pollution Prevention Program has been contributing towards RBRA's expenses for additional test sites' results providing information to their program.
- Expanded (wet in addition to dry season) water quality testing. The water quality test results for the dry season portion of the year were very good, with few exceedances of the recreational water contact standards (see attached results). The Regional Water Quality Control Board was not able to finalize a lab contract for multiple tube testing of Fecal coliform. Therefore, that portion of the testing was not conducted in the fall (dry season).
- Anchor-out use of RBRA's pumpout boat is up to approximately 20 vessels.
- RBRA has contacted all marina harbormasters to ensure live-aboard compliance with pumpout requirements. As of last winter there was full compliance. RBRA will recontact the marina harbormasters to confirm their current status.
- RBRA has contacted the three marinas without pumpout facilities and provided assistance towards their submitting for State grant funding for the facilities.
- As reported in the Harbormaster's Report, good progress is being made in three marinas towards becoming certified Clean Marinas, with Schoonmaker Marina very close to achieving that certification. Clipper Yacht Harbor is currently a certified Clean Marina.

- Prior to the RBRA Board meeting Staff (including Robert Turner from County Environmental Health Services) will have attended a Floating Homes Association meeting to discuss houseboat sewerage, a 'neighborhood watch' program, etc. Staff will provide a verbal report on the FHA meeting to the Board on Thursday.
- Mr. Turner is also in the process of finalizing a written report on the current status of the Richardson's Bay's houseboat marinas' sewage collection systems and procedures. He will be working with respective marina harbormasters to further TMDL implementation.

Attachments: 1. TMDL Local Implementation Plan
2. Water quality test results

RICHARDSON'S BAY REGIONAL AGENCY

TMDL Local Implementation Plan

September 17, 2009

Background:

The California Regional Water Quality Control Board – San Francisco Bay Region (RWQCB) has tasked the Richardson's Bay Regional Agency (RBRA) with developing a response to the RWQCB's recently passed TMDL (Total Maximum Daily Load) Plan requirements for achieving water quality improvements in Richardson's Bay. The TMDL has assigned to the RBRA and several other local agencies water quality improvement-related responsibilities concerning anchored-out vessels, houseboats, marinas, and water quality testing. This document is RBRA's Implementation Plan.

Purpose:

The purpose of RBRA's TMDL Implementation Plan is to set forth RBRA program activities and timing consistent with RWQCB TMDL implementation measures, in furtherance of achieving compliance with the TMDL overall water quality objectives for Richardson's Bay. RBRA's program responsibilities for multi-agency program activities are limited to those identified in this Plan as being performed by the RBRA.

RBRA Implementation Plan Response:

Commencing with adoption of this local Implementation Plan, and in full effect after the State Water Quality Control Board and USEPA adopt the final Basin Plan Amendment (anticipated for late 2009), RBRA will implement the following:

Water Quality Testing

The RBRA will conduct water quality testing for Fecal Coliform, Total Coliform, Enterococcus, and E. Coli. Water testing protocols will be multiple tube for Fecal Coliform and Total Coliform, and enzyme substrate for Enterococcus, Total Coliform, and E.Coli. A total of 16 sites will be sampled and tested. Tests will be performed on samples taken at each of the test sites at weekly intervals for five (5) consecutive weeks. The five-week sample and test series will be conducted once during the dry season and once during the winter, for a total of 10 tests at each of the test sites. The test results will be reported to the RBRA and the RWQCB.

Timeline: Dry season testing in late summer (August-October) 2009, and wet season testing in Winter (January –March) 2010.

Anchor-Out Vessels

RBRA will pursue 100% participation in the MT Head pumpout program for live-aboard anchorout vessels, and will assist live-aboard vessel owners in obtaining marine sanitation devices (msd's) with holding tanks, to be used in conjunction with the pumpout program. State Pump-Out Grant assistance will be utilized to pay operating costs for pumping out the vessels and may pick up some, if not all, of the costs for setting up vessels with msd's and holding tanks.

Timeline: Initial implementation immediately, full compliance by Winter 2010

Marina/Anchorouts

Marina owners/operators, houseboat owners, and anchorouts will implement a “neighborhood watch” for sewage spills for both houseboat and recreational marinas, and anchorouts, with a hotline directed to first responders (EHS, RBRA, SASM, Southern Marin Sewage, etc.).

Timeline: Winter 2010

Harbormasters will coordinate with RBRA to ensure 100% compliance with their pump-out programs for live-aboards.

Timeline: Winter 2010

RBRA will work directly with the three marinas that do not have sewage pump-out facilities to assist them in achieving State grant funding to install infrastructure.

Timeline: Marina operators to submit grant applications by July 2010

RBRA will work with all local marinas to assist their becoming certified California Clean Marinas.

Timeline: Ongoing, certification goal July 2011

RBRA will continue to work with Gates Cooperative marina to repair and upgrade their system until the Waldo Point Reconfiguration Project is complete.

Timeline: Ongoing until project completion

RBRA will work with local marinas to facilitate their development and activation of implementation measures required in the TMDL.

Timeline: July 2011

Multi-Agency Plan Response

A multi-agency approach will be used to satisfy certain TMDL implementation measure requirements. RBRA Staff has met with representatives of the County of Marin Environmental Health Services (EHS) and Marin County Stormwater Pollution Prevention Program (MCSTOPPP), and received their preliminary commitment to participate in the multi-agency response in the following shared TMDL plan elements:

EHS will take the lead in ensuring houseboats are tested on a biennial basis for sewage conveyance system integrity. RBRA will facilitate meetings between the houseboat marina owners/operators, houseboat association representatives, and EHS. The meetings will develop and implement procedure(s) for testing the sewage conveyance system of all houseboats in each houseboat marina.

Timelines: Immediately for initial implementation steps, full compliance estimated Winter 2010

MCSTOPPP will conduct additional water quality testing associated with stormwater program responsibilities. RBRA has agreed to conduct sampling on behalf of MCSTOPPP for the testing sites that relate to MCSTOPPP program responsibilities.

Timeline: Dry season testing in late summer (August-October) 2009, and wet season testing in Winter 2010.

RWQCB has offered to participate in water quality testing. RBRA has not assigned any budget support amount from RWQCB. If RWQCB can contribute, it will help defer some of RBRA's

expenses. RWQCB has also indicated it will provide water quality-related informational/educational materials, which RBRA will distribute to boaters and houseboat residents.

Attachments:

1. Table 7-4 Trackable implementation measures for Richardson's Bay pathogens TMDL (RWQCB, 07/09/08).
2. Revised testing sites diagram

	Single Sample	30 Day Geo Mean
Total Coliform Not To Exceed	10,000	1000
E. coli Not to Exceed	235	126
Fecal Coliform Not to Exceed	400	200
Enterococcus Not to Exceed	104	35



WALDO POINT GATES COOP Station #41	22-Sep-09	29-Sep-09	6-Oct-09	12-Oct-09	20-Oct-09	20-Oct-09
Total Coliform 10,000 / 1000	3654	24192	554	4352	3873	3831
E. coli 235 / 126	609	2603	448	305	546	652
Fecal 400 / 200	240	1200	46	240	540	280
Enterococcus 104 / 35	30	226	98	63	299	105

KAPPAS HOUSEBOATS Station #43	22-Sep-09	29-Sep-09	6-Oct-09	12-Oct-09	20-Oct-09	20-Oct-09
Total Coliform 10,000 / 1000	1090	714	657	573	24192	1479
E. coli 235 / 126	187	97	98	63	2851	200
Fecal 400 / 200	81	140	110	81	760	150
Enterococcus 104 / 35	20	20	145	9	6488	81

WALDO "A" DOCK Station #40	22-Sep-09	29-Sep-09	6-Oct-09	12-Oct-09	20-Oct-09	20-Oct-09
Total Coliform 10,000 / 1000	1585	15531	857	235	6131	1980
E. coli 235 / 126	275	1086	201	9	583	199
Fecal 400 / 200	180	760	400	24	760	251
Enterococcus 104 / 35	9	20	10	10	529	25

WALDO POINT SOUTH 40 Station 15	22-Sep-09	29-Sep-09	6-Oct-09	12-Oct-09	20-Oct-09	20-Oct-09
Total Coliform 10,000 / 1000	24192	17329	538	528	6131	3738
E. coli 235 / 126	2755	1198	86	63	389	370
Fecal 400 / 200	1200	760	20	81	400	226
Enterococcus 104 / 35	85	96	10	10	571	54

CLIPPER BASIN #4 Station 14	22-Sep-09	29-Sep-09	6-Oct-09	12-Oct-09	20-Oct-09	20-Oct-09
Total Coliform 10,000 / 1000	24192	3076	120	74	6131	1323
E. coli 235 / 126	1553	404	9	10	299	111
Fecal 400 / 200	760	240	11	14	540	109
Enterococcus 104 / 35	31	20	9	10	420	30

ARQUEZ MARINA Station #37	22-Sep-09	29-Sep-09	6-Oct-09	12-Oct-09	20-Oct-09	20-Oct-09
Total Coliform 10,000 / 1000	676	336	272	30	6867	418
E. coli 235 / 126	10	31	9	9	121	20
Fecal 400 / 200	4	22	11	5	240	16
Enterococcus 104 / 35	10	9	9	9	199	17

CLIPPER BASIN #1, Station CB1 (NEW)	22-Sep-09	29-Sep-09	6-Oct-09	12-Oct-09	20-Oct-09	20-Oct-09
Total Coliform 10,000 / 1000	631	435	134	241	3654	504
E. coli 235 / 126	10	10	9	9	259	18
Fecal 400 / 200	2	140	7	5	240	19
Enterococcus 104 / 35	10	10	9	9	201	17

SCHOONMAKER BEACH Station #33	21-Sep-09	29-Sep-09	5-Oct-09	12-Oct-09	19-Oct-09	19-Oct-09
Total Coliform 10,000 / 1000	292	97	63	85	307	136
E. coli 235 / 126	86	31	9	9	62	27
Fecal 400 / 200	0	0	0	0	0	0
Enterococcus 104 / 35	9	9	9	63	9	13

Single Sample	30 Day Geo Mean
10,000	1000
235	126
400	200
104	35



6-Jan-10	13-Jan-10	20-Jan-10	27-Jan-10	3-Feb-10	3-Feb-10
259	670	5493	5475	2723	1700
63	122	355	173	84	132
46	46	400	400	46	109
906	63	1722	243	52	132

6-Jan-10	13-Jan-10	20-Jan-10	27-Jan-10	3-Feb-10	3-Feb-10
241	697	24192	24192	5794	3557
31	160	1223	328	535	254
11	400	1200	540	140	209
10	98	4352	1014	120	254

6-Jan-10	13-Jan-10	20-Jan-10	27-Jan-10	3-Feb-10	3-Feb-10
216	327	2382	6867	1081	1045
97	52	160	122	20	72
22	46	140	81	18	46
75	41	389	279	9	72

6-Jan-10	13-Jan-10	20-Jan-10	27-Jan-10	3-Feb-10	3-Feb-10
241	86	1782	6131	1274	780
73	10	73	211	109	66
20	20	760	240	81	90
63	10	480	359	52	66

6-Jan-10	13-Jan-10	20-Jan-10	27-Jan-10	3-Feb-10	3-Feb-10
556	148	24192	6867	1017	1693
97	31	1785	120	86	141
22	22	760	180	46	79
20	20	6867	355	9	141

6-Jan-10	13-Jan-10	20-Jan-10	27-Jan-10	3-Feb-10	3-Feb-10
209	98	1963	1381	1904	638
10	20	816	135	10	47
5	18	760	180	81	63
20	52	1421	98	41	47

6-Jan-10	13-Jan-10	20-Jan-10	27-Jan-10	3-Feb-10	3-Feb-10
408	384	19863	3448	1223	1673
30	20	3654	262	9	88
22	24	1200	400	20	87
41	74	8664	216	10	88

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

	Single Sample				30 Day Geo Mean
Total Coliform Not To Exceed	10,000				1000
E. coli Not to Exceed	235				126
Fecal Coliform Not to Exceed	400				200
Enterococcus Not to Exceed	104				35



SCHOONMAKER Station #32	22-Sep-09	29-Sep-09	6-Oct-09	12-Oct-09	20-Oct-09	20-Oct-09
Total Coliform 10,000 / 1000	443	41	144	155	2014	241
E. coli 235 / 126	10	9	10	52	109	22
Fecal 400 / 200	7	7	18	20	400	23
Enterococcus 104 / 35	20	31	9	563	160	55

GALILEE / NAPA Station #8	22-Sep-09	29-Sep-09	6-Oct-09	12-Oct-09	20-Oct-09	20-Oct-09
Total Coliform 10,000 / 1000	96	175	288	110	6488	322
E. coli 235 / 126	9	175	41	10	262	44
Fecal 400 / 200	14	8	81	7	220	27
Enterococcus 104 / 35	9	9	9	9	315	18

MARINEWAYS Station MW (NEW)	22-Sep-09	29-Sep-09	6-Oct-09	12-Oct-09	20-Oct-09	20-Oct-09
Total Coliform 10,000 / 1000	780	2613	1223	960	7270	1770
E. coli 235 / 126	86	563	410	160	408	265
Fecal 400 / 200	69	22	400	240	400	142
Enterococcus 104 / 35	10	426	31	233	480	108

PELICAN HARBOR Station #6	22-Sep-09	29-Sep-09	6-Oct-09	12-Oct-09	20-Oct-09	20-Oct-09
Total Coliform 10,000 / 1000	110	120	146	63	1850	186
E. coli 235 / 126	20	10	41	10	74	23
Fecal 400 / 200	41	5	8	2	46	11
Enterococcus 104 / 35	9	10	31	10	309	24

SAUSALITO YACHT HARBOR Station #5	22-Sep-09	29-Sep-09	6-Oct-09	12-Oct-09	20-Oct-09	20-Oct-09
Total Coliform 10,000 / 1000	155	74	243	121	2613	245
E. coli 235 / 126	10	10	20	52	145	27
Fecal 400 / 200	5	2	11	7	140	10
Enterococcus 104 / 35	10	9	10	9	20	11

SAUSALITO YACHT HARBOR Station #3	22-Sep-09	29-Sep-09	6-Oct-09	12-Oct-09	20-Oct-09	20-Oct-09
Total Coliform 10,000 / 1000	146	122	388	109	441	202
E. coli 235 / 126	10	10	63	10	98	23
Fecal 400 / 200	14	5	20	18	20	14
Enterococcus 104 / 35	9	9	9	20	52	15

CONTROL STATION DAYMARK #6 Station C	22-Sep-09	29-Sep-09	6-Oct-09	12-Oct-09	20-Oct-09	20-Oct-09
Total Coliform 10,000 / 1000	110	10	9	31	9	19
E. coli 235 / 126	10	9	9	9	9	9
Fecal 400 / 200	5	2	2	2	7	3
Enterococcus 104 / 35	9	9	9	9	9	9

CONTROL O STRAWBERRY POINT	22-Sep-09	29-Sep-09	6-Oct-09	12-Oct-09	20-Oct-09	20-Oct-09
Total Coliform 10,000 / 1000	74	63	63	187	1723	157
E. coli 235 / 126	9	9	10	10	97	15
Fecal 400 / 200	5	2	8	2	81	7
Enterococcus 104 / 35	9	9	9	9	135	15

Single Sample				30 Day Geo Mean
10,000				1000
235				126
400				200
104				35



6-Jan-10	13-Jan-10	20-Jan-10	27-Jan-10	3-Feb-10	3-Feb-10
373	63	2909	3255	717	693
169	20	199	246	41	93
81	24	240	240	18	73
9	20	393	187	9	93

6-Jan-10	13-Jan-10	20-Jan-10	27-Jan-10	3-Feb-10	3-Feb-10
1500	144	10462	4352	985	1575
31	10	1439	359	9	68
11	24	760	1200	14	80
9	41	2755	345	9	68

6-Jan-10	13-Jan-10	20-Jan-10	27-Jan-10	3-Feb-10	3-Feb-10
1421	1782	11199	3873	24192	4840
86	934	1565	594	17329	1053
81	1200	1200	760	1200	639
279	275	2098	146	345	1053

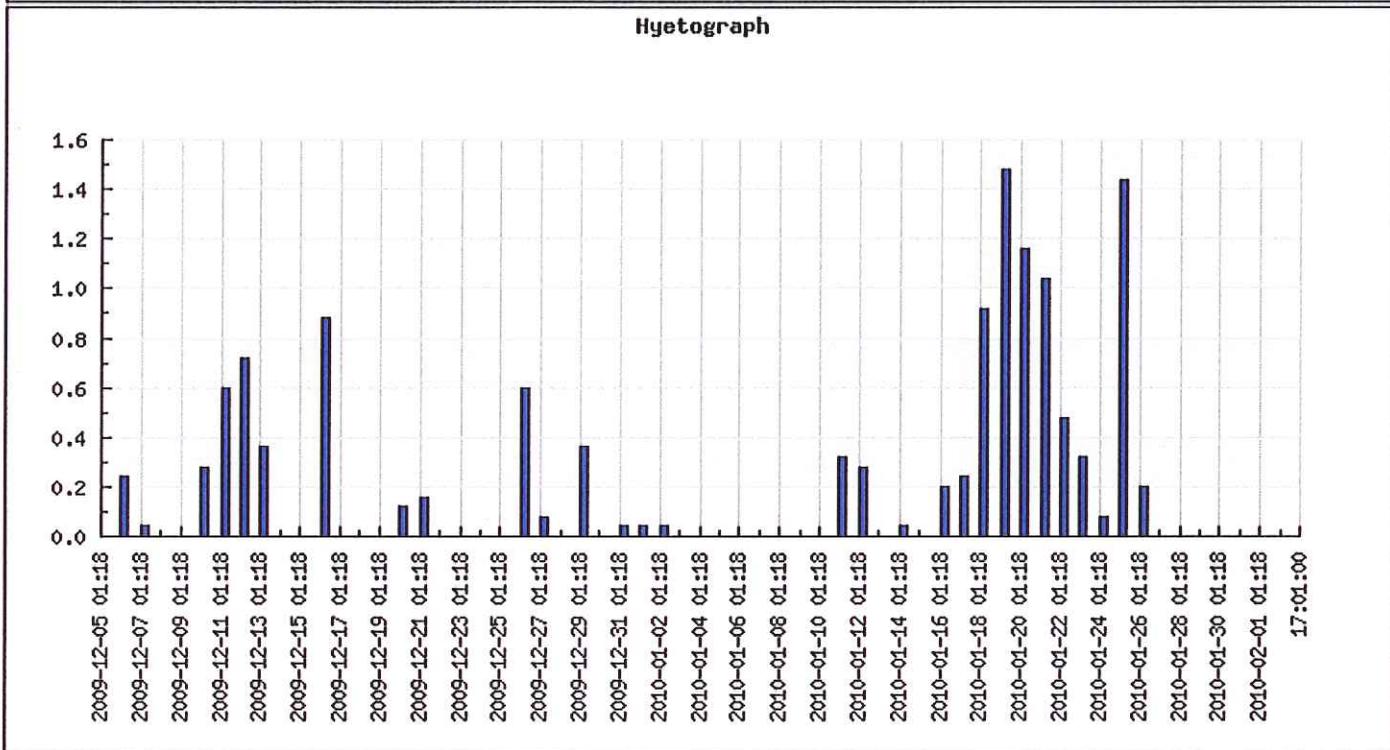
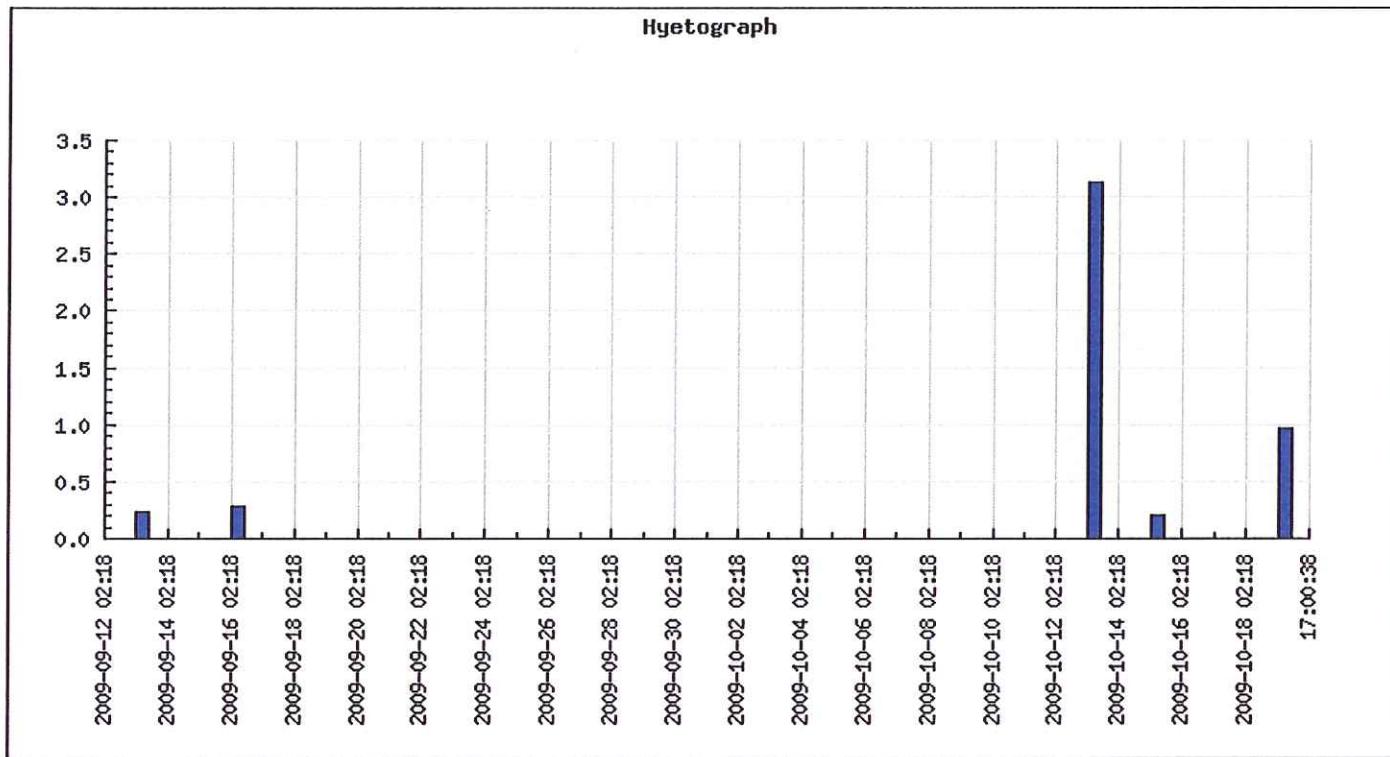
6-Jan-10	13-Jan-10	20-Jan-10	27-Jan-10	3-Feb-10	3-Feb-10
364	134	1935	3784	3873	1067
20	31	161	256	148	82
81	20	240	180	140	100
20	10	292	158	84	82

6-Jan-10	13-Jan-10	20-Jan-10	27-Jan-10	3-Feb-10	3-Feb-10
292	209	1439	2613	842	720
160	31	216	183	52	100
81	24	180	81	8	47
98	9	299	171	20	100

6-Jan-10	13-Jan-10	20-Jan-10	27-Jan-10	3-Feb-10	3-Feb-10
98	52	1314	2489	1553	482
9	10	216	110	146	50
46	22	220	400	22	72
10	9	272	160	10	50

6-Jan-10	13-Jan-10	20-Jan-10	27-Jan-10	3-Feb-10	3-Feb-10
63	132	1722	11199	565	619
10	20	86	30	63	32
2	11	270	41	46	26
9	63	231	85	9	32

6-Jan-10	13-Jan-10	20-Jan-10	27-Jan-10	3-Feb-10	3-Feb-10
130	132	3300	8664	1162	894
10	9	313	171	10	34
8	8	400	400	8	38
9	20	1169	309	10	34



Date	Inch Rain	Date	Inch Rain	Date	Inch Rain
9/13/2009	0.24	12/6/2009	0.24	1/1/2010	0.04
9/14/2009		12/7/2009	0.04	1/2/2010	0.04
9/15/2009		12/8/2009		1/3/2010	
9/16/2009	0.28	12/9/2009		1/4/2010	
9/17/2009		12/10/2009	0.2	1/5/2010	
9/18/2009		12/11/2009	0.6	1/6/2010	
9/19/2009		12/12/2009	0.72	1/7/2010	
9/20/2009		12/13/2009	0.36	1/8/2010	
9/21/2009		12/14/2009		1/9/2010	
9/22/2009		12/15/2009		1/10/2010	
9/23/2009		12/16/2009	0.88	1/11/2010	0.32
9/24/2009		12/17/2009		1/12/2010	0.28
9/25/2009		12/18/2009		1/13/2010	
9/26/2009		12/19/2009		1/14/2010	0.05
9/27/2009		12/20/2009	0.12	1/15/2010	
9/28/2009		12/21/2009	0.16	1/16/2010	0.2
9/29/2009		12/22/2009		1/17/2010	0.24
9/30/2009		12/23/2009		1/18/2010	0.92
10/1/2009		12/24/2009		1/19/2010	1.48
10/2/2009		12/25/2009		1/20/2010	1.16
10/3/2009		12/26/2009	0.6	1/21/2010	1.04
10/4/2009		12/27/2009	0.08	1/22/2010	0.48
10/5/2009		12/28/2009		1/23/2010	0.32
10/6/2009		12/29/2009	0.36	1/24/2010	0.08
10/7/2009		12/30/2009		1/25/2010	1.44
10/8/2009		12/31/2009	0.04	1/26/2010	0.02
10/9/2009				1/27/2010	
10/10/2009				1/28/2010	
10/11/2009				1/29/2010	
10/12/2009				1/30/2010	
10/13/2009	3.12			1/31/2010	
10/14/2009				2/1/2010	
10/15/2009				2/2/2010	
10/16/2009				2/3/2010	
10/17/2009				2/4/2010	
10/18/2009				2/5/2010	
10/19/2009	0.96				
10/20/2009					
10/21/2009					

Bill Price Sampling Dates (15 Sites)

EHS Sampling Dates (Schoonmaker Station #33)