

MEETING NOTICE AND AGENDA

TECHNICAL ADVISORY COMMITTEE OF THE SEASIDE BASIN WATER MASTER

SPECIAL MEETING

DATE: Friday, November 21, 2008

NOTE DIFFERENT THAN USUAL TIME: 9:00 a.m.

**LOCATION: City of Seaside City Hall – Portable Buildings Conference Room
440 Harcourt Avenue**

Seaside, CA 93955*If you wish to participate in the meeting from a remote location, please call in on the new Watermaster Conference Line by dialing (877)810-9415. Use the Access Code of 4560043.*

OFFICERS

Chairperson: Diana Ingersoll, City of Seaside

Vice-Chairperson: Tom. Bunosky, California American Water Company

MEMBERS

California American Water Company	City of Del Rey Oaks	City of Monterey
City of Sand City	City of Seaside	Coastal Subarea Landowners
Laguna Seca Property Owners	Monterey County Water Resources Agency	
Monterey Peninsula Water Management District	Public Member (John Fischer)	

Agenda Item

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| 1. Administrative Matters: | |
| A. Approve Minutes from November 12, 2008 Meeting | 2 |
| 2. Discussion of the Completed Draft BMAP (Derrick Williams) | 5 |
| 3. Proposal to Move Database to New Hosting Site and to Use New Firm to Correct Deficiencies in the Database (Bob Jaques) | 6 |
| 4. Proposed Consultant Contracts for 2009 (Bob Jaques) | 9 |
| 5. Schedule for 2009 M&MP Activities (Bob Jaques) | 80 |
| 6. Other business | |
| 7. Set next meeting date for Wednesday December 10, 2008 at 1:30 p.m.
To be held at the Seaside City Hall Portable Office Buildings Conference Room | |

**SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE**

***** AGENDA TRANSMITTAL FORM *****

MEETING DATE:	November 21, 2008
AGENDA ITEM:	1.A
AGENDA TITLE:	Approve Minutes from November 12, 2008
PREPARED BY:	Robert Jaques, Technical Program Manager

SUMMARY:

Draft Minutes from this meeting were emailed to all TAC members. Proposed changes have been included in the attached version.

ATTACHMENTS:	Minutes from this meeting
RECOMMENDED ACTION:	Approve the minutes

D-R-A-F-T
MINUTES

**Seaside Groundwater Basin Watermaster
Technical Advisory Committee Meeting
November 12, 2008**

Attendees: **TAC Members**
City of Seaside – Rick Riedl
California American Water – Tom Bunosky
City of Monterey – No Representative
Laguna Seca Property Owners – Stan Powell (via telephone)
MPWMD – Joe Oliver
Public Member – John Fischer
MCWRA – Kathy Thomasberg
City of Del Rey Oaks – No Representative
City of Sand City – No Representative
Coastal Subarea Landowners – No Representative

Watermaster
Technical Program Manager - Robert Jaques

Consultants
HydroMetrics LLC - Derrik Williams, and Martin Feeney

Others:
None

The meeting was called to order at 1:35 p.m.

1. Administrative Matters:

B. Approve Minutes from October 29, 2008 Special TAC Meeting

On a motion by Mr. Oliver, seconded by Mr. Fischer, the minutes were unanimously approved as presented.

2. Finish Discussing the Completed Draft SIRP (and Other HydroMetrics Documents if time allows)

Mr. Bunosky reviewed items for the rest of the year's TAC meetings. On November 21st there will be a discussion of the Basin Management Action Plan and also contracts for 2009 consulting services.

On December 10th there will be continuation, if needed, of BMAP discussions from the November 21st meeting, and also a Schedule for the 2009 activities.

Mr. Jaques explained that the Final Draft SIRP will be printed following today's meeting, so it can be distributed to the Board at its December 3 meeting. The Final draft BMAP will be printed following the November 21st or December 10th TAC meetings, for distribution at the Board's January 7th 2009 meeting. The Final Draft SIRP will be presented to the Board for action at its January 7, 2009 meeting, and the Final Draft BMAP will be presented to the Board for action at its February 4, 2009 meeting.

Mr. Williams then led discussion page-by-page of the Draft SIRP. Numerous minor text edits for correction and/or clarity were made.

3. Discuss Actions the TAC Can Recommend to the Board to Get the Supplemental Water Supplies Moving Ahead as Rapidly as Possible

4. Consider Whether to Make a Recommendation to the Board Regarding the Differences Between the Legal Boundary and the Hydrologic Boundary of the Seaside Basin

These two agenda items were considered together, and Mr. Jaques briefly discussed them. There was consensus to postpone both items for in-depth discussion at a future TAC meeting when more time is available.

Ms. Thomasberg briefly discussed some issues pertaining to Zone 2C of the Salinas Valley Groundwater Basin, which may be pertinent to future discussions on Item 4 (Boundaries).

5. Other business

Mr. Riedl urged MPWMD to update its Integrated Regional Water Management Plan (IRWMP) rapidly to include the Supplemental Water Supply Projects identified in the BMAP, because Proposition 84 and/or Proposition 1B money will become available in 2009 for certain types of ready-to-implement water supply projects. Mr. Oliver said he would pursue this with Mr. Larry Hampson of MPWMD, who is the Project Manager for the IRWMP.

Ms. Thomasberg briefly discussed the Toro and Laguna Seca studies with regard to inflow and outflow, which seem to provide conflicting findings with regard to connectivity between the aquifers in some of the subbasin areas in the Seaside Groundwater Basin.

Mr. Bunosky recommended putting the 2008 Annual Report on an upcoming TAC agenda for the information of members of the TAC.

Mr. Bunosky also noted the need to determine the Operating Yields for next year for all producers in light of the upcoming 10 percent reduction in pumping allocations. Mr. Jaques said he would ask Mr. Evans to put an agenda item on the next Board meeting agenda addressing the item.

6. Set next Special meeting date for Friday November 21, 2008 at 9:00 a.m.

Set next Regular meeting date for Wednesday December 10, 2008 at 1:30 p.m.

Both of these meetings will be held at the Seaside City Hall Portable Office Buildings Conference Room

The next meetings were set for these dates and times.

The meeting adjourned at 4:28 p.m.

**SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE**

***** AGENDA TRANSMITTAL FORM *****

MEETING DATE:	November 21, 2008
AGENDA ITEM:	2
AGENDA TITLE:	Discuss the Complete Final Draft BMAP
PREPARED BY:	Robert Jaques, Technical Program Manager
SUMMARY:	<p>HydroMetrics has prepared the Final Draft Basin Management Action Plan (BMAP) addressing all of the TAC's prior comments on this document. The completed final draft document was emailed directly to TAC members by HydroMetrics prior to today's meeting.</p> <p>Today's review is intended to identify any final edits to be made before it is printed for distribution to the Board. It will be hand-delivered to the Board at their January 7, 2009 meeting. It will be agendized for the Board's consideration, and hopefully approval, at their February 4, 2009 meeting</p>
ATTACHMENTS:	None (the Final Draft of the BMAP was emailed directly from HydroMetrics to members of the TAC)
RECOMMENDED ACTION:	Discuss and provide final edits and other final changes to the Final Draft BMAP

**SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE**

***** AGENDA TRANSMITTAL FORM *****

MEETING DATE:	November 21, 2008
AGENDA ITEM:	3
AGENDA TITLE:	Proposal to Move Database to New Hosting Site and to Use New Firm to Correct Deficiencies and Make Improvements to the Database
PREPARED BY:	Robert Jaques, Technical Program Manager

SUMMARY:

For many months now we have been working with RBF, the firm that prepared the Watermaster's Database, to obtain the "documentation" materials for the Database, and to have certain deficiencies corrected and certain improvements made to it. The documentation materials are the programming documents and code which constitutes the Database, and which is needed to install and maintain it on a hosting site. We have recently received all of the documentation materials from RBF, and have been able, through the help of MPWMD and its staff, to set it up on MPWMD's computer system for pilot testing. That testing has confirmed that the Database can be made fully operational on the MPWMD system.

Unfortunately, RBF has not been responsive in recent months regarding correcting the deficiencies or making the desired improvements.

MPWMD has had, and continues to have, excellent experience with the firm they are using to prepare their own database. The name of this firm is "Zone 24-7" and the firm's work for MPWMD is closely managed and supervised by Inder-Mohan Osahan, MPWMD's Chief Technology Officer.

Watermaster staff recently met with MPWMD staff to discuss the costs and feasibility of having the Watermaster's Database hosted on the MPWMD's system, and of having Zone 24-7 perform work on the Watermaster's Database. As a result of those discussions and with the aide of Mr. Osahan we have solicited, and are in the process of receiving, proposals from Zone 24-7 to perform the necessary work to go from a pilot mode to a full production mode of the Watermaster's Database, hosted on the MPWMD system. We have also requested a proposal from Zone 24-7 to correct the Database deficiencies and to make the desired improvements to it. We are currently waiting for their proposal for that work to be received.

A preliminary estimate of the costs of having the Watermaster's Database set up for hosting on MPWMD's system was provided to us by Mr. Osahan. He estimates that this work will cost less than \$7,000, including a small contingency. There is remaining contingency money in the Watermaster's 2008 budget to cover this cost. Therefore, I recommend that we issue a contract to MPWMD to have Zone 24-7 perform this work as soon as possible. This will result in the Database being hosted locally which will facilitate having the deficiencies corrected and the improvements made as soon thereafter as agreement can be reached on the scope and costs of having that work performed. Mr. Evans and Ms. Dadiw of the Watermaster's staff, as well as Mr. Oliver and Mr. Sandoval who are the principal Watermaster Database data entry personnel on MPWMD's staff, all concur with and support this recommendation.

The current condition of the Database makes performing ongoing data entry and generating reports difficult and cumbersome. Hence, it will be very beneficial to the Watermaster to have the Database hosted on the MPWMD system as soon as possible. If the TAC approves with proceeding as described above, we will

**SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE**

***** AGENDA TRANSMITTAL FORM *****

MEETING DATE:	November 21, 2008
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AGENDA ITEM:	3 (Cont'd)
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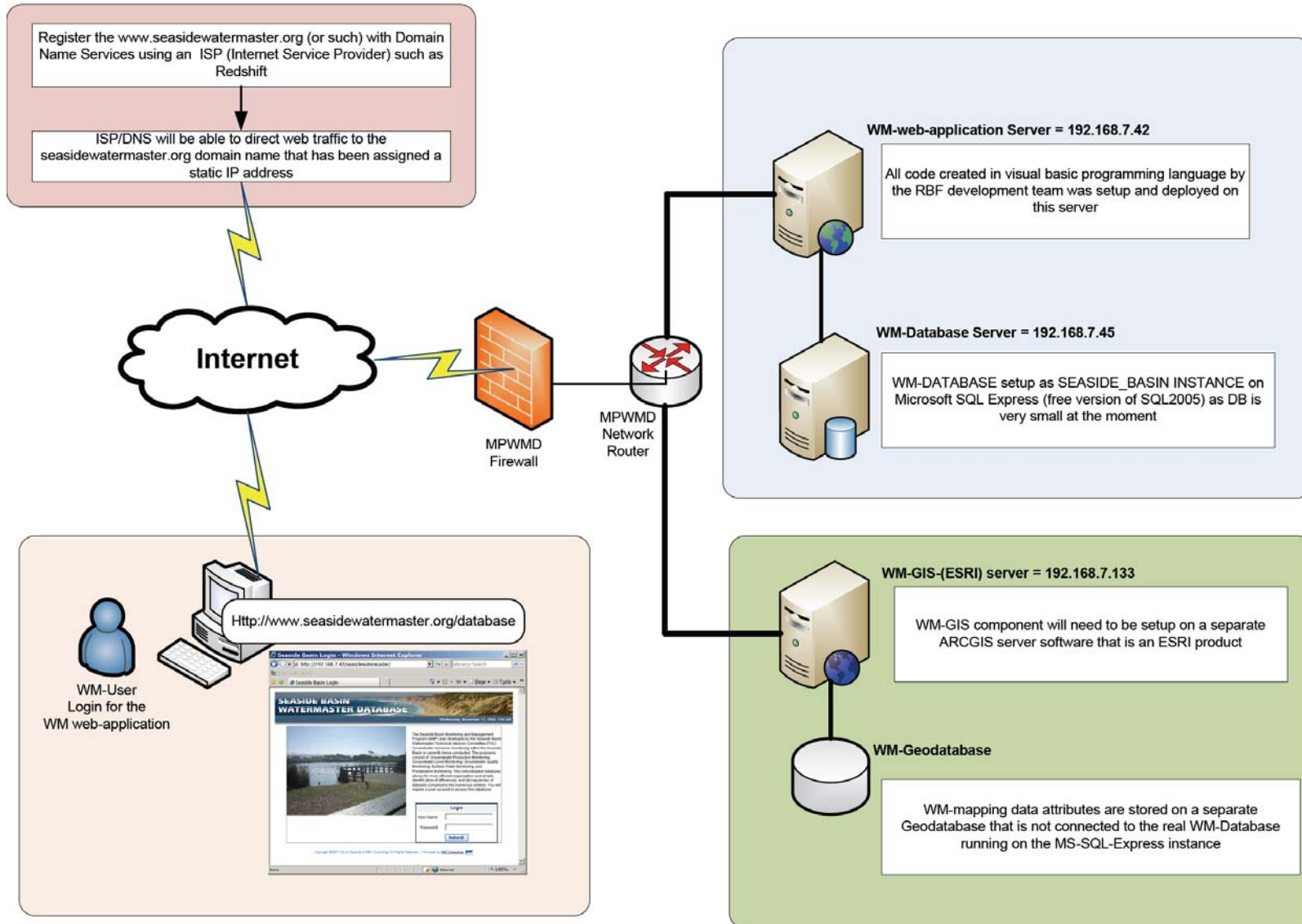
immediately issue a contract to MPWMD to have the initial work performed as soon as the cost proposal is received. The dollar amount is expected to be within Mr. Evan's signature authority, so it would not need to wait for Board approval. Once we get the scope and cost proposal for the deficiency and improvement work, I will present that to the TAC for its approval. If approved by the TAC, and then by the Board, the intention would be to have that work started as soon thereafter as possible, either during 2008, if funding is available, or as part of the 2009 M&MP work, for which we included \$20,000 in the Budget.

ATTACHMENTS:	Diagram showing hosting of the Watermaster's Database on the MPWMD system
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RECOMMENDED ACTION:	Approve proceeding with the work described in this Agenda item
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SEASIDE WATERMASTER NETWORK SETUP TO HOST THE WM-DATABASE AND WEB-APPLICATION

Dated: 11/12/2008 v1



**SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE**

***** AGENDA TRANSMITTAL FORM *****

MEETING DATE:	November 21, 2008
AGENDA ITEM:	4
AGENDA TITLE:	Proposed Consultant Contracts for 2009
PREPARED BY:	Robert Jaques, Technical Program Manager
SUMMARY:	
<p>Attached are the preliminary draft contracts for each of the Watermaster's consultants that are expected to work on M&MP activities during 2009. Each of these firms, other than Mr. Feeney, is currently working under a master form of agreement with the Watermaster called a "Professional Services Agreement" (PSA). A generic version of the PSA is attached. Mr. Feeney's work on the Sentinel Wells was performed under an older contract format, which will be updated to the PSA format for his work in 2009.</p> <p>Actual work assignments are made through the issuance of Requests for Service (RFS) under the umbrella language of the PSA. A copy of each proposed RFS for these firms is attached. It should be noted that these are <u>preliminary</u> draft contracts, and that each consultant is currently reviewing them. Thus, edits may result from their reviews.</p> <p>The intent of placing these on today's TAC meeting agenda is to provide the TAC with the opportunity to raise questions or make suggestions for changes to the scopes-of-work in these contracts, before they are presented to the Board for approval at the Board's December 3, 2008 meeting.</p> <p>Board approval at their December 3 meeting will ensure that the contacts can be signed and be in effect at the start of 2009.</p>	
ATTACHMENTS:	<ul style="list-style-type: none"> A. Generic PSA B-1 and B-2. Proposed RFSs with MPWMD C. Proposed RFS with MCWRA D. Proposed RFS with HydroMetrics E. Proposed RFS with Martin Feeney
RECOMMENDED ACTION:	Provide input regarding any changes that should be made to these contracts before they go to the Board for approval on December 3, 2008

ATTACHMENT A

PROFESSIONAL SERVICES AGREEMENT

THIS AGREEMENT TO PROVIDE PROFESSIONAL SERVICES is made and entered into on _____ by and between SEASIDE GROUNDWATER BASIN WATERMASTER, hereinafter referred to as "WATERMASTER," and _____, a _____, hereinafter referred to as "PROFESSIONAL," as follows:

SECTION I: ADHERENCE TO TERMS OF AGREEMENT

WATERMASTER intends to literally interpret and strictly apply all terms and conditions of this Agreement. All approvals which are required to be in writing must be in writing to be valid and binding. PROFESSIONAL is encouraged to raise to WATERMASTER any questions with regard to interpretation or applicability of any provision of this Agreement before undertaking the work.

SECTION II: EMPLOYMENT

WATERMASTER hereby employs PROFESSIONAL, as an independent contractor to furnish the professional services covered by this Agreement, and the Requests for Service issued under it, in accordance with the terms and conditions set forth below, and PROFESSIONAL hereby accepts such employment.

SECTION III: WORK ASSIGNMENTS

It is the intent of WATERMASTER and PROFESSIONAL to authorize the performance of work under this Agreement by executing a series of written work assignments setting forth the specific description, scope, and costs of the work to be performed. Such assignments shall be called "Requests For Service" (RFS) and shall be numbered consecutively. Each RFS, upon execution by PROFESSIONAL and by WATERMASTER, shall become and be considered as a part of this Agreement, and all provisions herein shall apply to said RFSs. The RFS form to be used is contained in Attachment A to this Agreement.

SECTION IV: TIME OF PERFORMANCE

- A. General - Time is of the essence on the work of the RFSs issued under this Agreement. Therefore, PROFESSIONAL shall perform its services in a timely manner. Specific performance times shall be specified for each individual RFS under this Agreement. PROFESSIONAL shall make every reasonable effort, including assigning of additional personnel to the work and/or working overtime, to complete the authorized work within these stipulated time periods. The taking of such additional measures to complete the work within the stipulated time periods will not entitle PROFESSIONAL to additional compensation, if the work is being performed under the Lump Sum Payment Method, except as provided for in Section V, Paragraph B.
- B. Subcontracted Services - For subcontracted services PROFESSIONAL shall contract for and schedule such services in a timely fashion in accordance with the requirements of the work, and shall be fully responsible for the performance and quality of all work performed by its subcontractors.
- C. Extensions of Time - The time of performance established for a particular RFS may be extended at any time prior to completion of the work by mutual agreement in writing between WATERMASTER and PROFESSIONAL.

SECTION V: COMPENSATION

- A. General - WATERMASTER and PROFESSIONAL shall negotiate the costs and fees for each specific RFS. The method of payment of said costs and fees shall be either on a lump-sum basis, on a cost-plus-a-fixed-fee basis, or on a time-and-expense basis. The method of payment will depend on the specific conditions, the scope of work, and the services to be performed for each specific RFS.
- B. Projected Cost Overruns Under Cost-Plus-a-Fixed-Fee or Time-and-Expense Payment Methods - If, at any time in the performance of the work of a specific RFS under the Cost-Plus-a-Fixed-Fee or Time-and-Expense payment methods, PROFESSIONAL has reason to believe that the costs which it expects to incur to complete the work of that RFS will exceed the total amount authorized for that RFS, PROFESSIONAL shall notify WATERMASTER in writing to that effect. The notice shall:
 - (1) State the reason(s) why PROFESSIONAL anticipates a cost overrun;

- (2) State the estimated amount of additional funds beyond the total amount currently authorized that will be required to complete the work authorized by the RFS; and
- (3) Provide recommendations of how the overrun can be avoided;

If, after such notification, additional funds are not allotted, WATERMASTER will, if required in writing by PROFESSIONAL, terminate the work of that particular RFS pursuant to the provisions in Section VI, TERMINATION.

C. Lump-Sum Payment Method - WATERMASTER may elect to pay PROFESSIONAL a lump sum Total Price amount to be determined for a specific RFS. In addition to this lump sum amount, a Special Services allowance, as defined in this section, may also be established.

1. Lump Sum Total Price - PROFESSIONAL shall perform all work authorized by a lump sum type of RFS for the lump sum Total Price amount. No additional payments for said work will be requested by PROFESSIONAL or authorized by WATERMASTER, unless both parties agree that there is additional work, beyond the scope of services authorized by the RFS, which must also be performed. Before any such additional work is undertaken, WATERMASTER and PROFESSIONAL shall execute a separate amendment to the RFS setting forth the scope and costs of the additional work to be performed.
2. Special Services Allowance - To cover unforeseen circumstances, WATERMASTER and PROFESSIONAL may negotiate a Special Services allowance. PROFESSIONAL shall provide WATERMASTER with written notification stating the reasons for requiring the utilization of any or all of the Special Services allowance. No utilization of any portion of the allowance shall occur without the prior written approval of the WATERMASTER. Special Services costs will be charged in accordance with the Time-and-Expense Payment Method as defined in Paragraph D of this section.

D. Cost-Plus-A-Fixed-Fee Payment Method - WATERMASTER may elect to pay PROFESSIONAL on a cost-plus-a-fixed-fee basis which shall be the

sum of (1) Direct Salaries, (2) Overhead Costs, (3) Direct Non-Salary Expenses, and (4) A Fixed Fee.

1. Direct Salaries - Shall be the amount paid by PROFESSIONAL to its employees for time directly chargeable to a given RFS, exclusive of costs for fringe benefits for said employees and other payroll costs not paid to the employee.
 2. Overhead Cost - Shall be a percentage of the Direct Salaries. The percentage to be charged shall be negotiated between WATERMASTER and PROFESSIONAL, and it shall be stipulated in each RFS for which this type of payment method will be used.
 3. Direct Non-Salary Expenses - Shall be all identifiable costs directly chargeable to each RFS including, but not limited to: travel and subsistence expenses; work subcontracted to others; reproduction of plans, specifications, reports and other documents; equipment rental; and, drafting and stenographic supplies used in the work. The chargeable rate for automobile mileage for the work to be performed under this shall be stated in the RFS.
 4. Fixed Fee - Shall be a fixed amount for interest on invested capital, readiness to serve, and profit. A fixed fee shall be established for each specific RFS for which the cost-plus-a-fixed-fee payment method will be used. This fixed fee will not change regardless of whether the Total Estimated Cost is greater than or less than the actual costs, unless both parties agree that there has been a change in scope. In such instance, the fixed fee will be renegotiated.
 5. Total Estimated Cost - Is the sum of categories (1), (2), and (3) above.
 6. Total Price - Is the sum of categories (1), (2), (3), and (4) above.
 7. Invoices - Invoices shall include the costs incurred in categories (1), (2), and (3), plus a proportionate amount of the category (4) Fixed Fee.
- E. Time-and-Expense Payment Method - For tasks for which the scope of work is not readily definable, WATERMASTER may elect to pay

PROFESSIONAL on a time-and-expense basis in accordance with the PROFESSIONAL's most current Standard Schedule of Compensation. The hourly rates set forth in the Standard Schedule of Compensation shall be inclusive of all direct and indirect salary costs, overhead, fringe benefits, profit, and other costs, and shall reflect the total hourly charge for each listed job category. Other direct non-salary expenses for the performance of work authorized under the Time-and-Expense Payment Method shall be all identifiable costs directly chargeable to each RFS including, but not limited to: travel and subsistence expenses; work subcontracted to others; reproduction of plans, specifications, reports and other documents; equipment rental; and, drafting and stenographic supplies used in the work. The chargeable rate for automobile mileage for the work to be performed under this Agreement shall be stated in the RFS. Direct non-salary expenses shall be compensated for at their actual cost, unless otherwise stated in the RFS, providing they have been authorized in advance by WATERMASTER. A Total Price, which may not be exceeded without WATERMASTER's prior written approval, will be established for each specific RFS for which this payment method will be used.

- F. Terms of Payment - PROFESSIONAL shall invoice WATERMASTER monthly for work completed during the previous month, unless a different invoicing frequency is agreed to by both parties to this Agreement. All invoices shall be due and payable within thirty (30) days of the date of receipt by WATERMASTER, provided all costs included in the invoice are adequately supported by documentation accompanying the invoice. If payment is not made within sixty (60) days of the date of receipt by WATERMASTER, interest on the unpaid balance will accrue beginning with the sixty-first day at the rate of 1.0 percent per month, or the maximum interest rate permitted by law, whichever is the lesser. Such interest shall become due and payable at the time said overdue payment is made.
- G. Penalty for Late Performance - The PROFESSIONAL is not responsible for delays in the schedule caused by events outside PROFESSIONAL's reasonable control. However, in the event PROFESSIONAL fails to properly complete work within thirty (30) days of the date such work is due (pursuant to schedules developed in accordance with Section IV of this Agreement), because of events within PROFESSIONAL's reasonable control, WATERMASTER SHALL reduce the total compensation established for the work of that RFS by ten percent (10%). Said reduction shall be deemed liquidated damages for the untimely performance of work required by this

Agreement. PROFESSIONAL shall be deemed to have waived any claim for such amount by reason of his failure to perform in a timely fashion.

SECTION VI: TERMINATION

Notwithstanding the above, WATERMASTER reserves the right to terminate any RFS to this Agreement at any time prior to the completion of the services to be furnished by PROFESSIONAL under said RFS by giving a written Notice of Termination to PROFESSIONAL, in which event WATERMASTER shall pay PROFESSIONAL only for work done and direct costs incurred by PROFESSIONAL under said RFS prior to receipt of such notice of termination. Such costs will include reasonable costs to bring the work to a halt, and costs to deliver to WATERMASTER the documentation described in the following paragraph. Termination of a particular RFS will not affect any other operative RFS.

Upon receipt of a Notice of Termination, PROFESSIONAL shall (1) promptly discontinue all services affected (unless the notice directs otherwise), and (2) deliver to WATERMASTER all data, drawings, specifications, reports, estimates, summaries, and such other information and materials as may have been accumulated by PROFESSIONAL in performing work under this Agreement, whether completed or in process.

Upon termination WATERMASTER may take over the work and prosecute the same to completion by agreement with another party or otherwise. Any work taken over by WATERMASTER for completion will be completed at WATERMASTER's risk, and WATERMASTER will hold harmless PROFESSIONAL from all claims and damages arising out of improper use of PROFESSIONAL's work.

SECTION VII: WATERMASTER LIABILITY

PROFESSIONAL understands that this Agreement is with WATERMASTER alone, and that none of the members of WATERMASTER are liable for any sums which may be payable hereunder, or for any debts of WATERMASTER.

SECTION VIII: CHANGES

WATERMASTER may, at its discretion and from time to time, revise, correct, or modify the work to be performed under an RFS. All such changes shall be made formally and in writing to PROFESSIONAL. PROFESSIONAL shall comply with such changes. Should PROFESSIONAL determine that said changes will result in an increase or decrease in costs to PROFESSIONAL, these costs shall be evaluated by

WATERMASTER and PROFESSIONAL for negotiation as to adjustment in the compensation due PROFESSIONAL, and written agreement as to said adjustment shall be reached between the parties prior to commencement of any work that will cause an increase or decrease in PROFESSIONAL's costs. Any increased costs in excess of the Total Price incurred by PROFESSIONAL prior to execution of a written agreement covering said increased costs shall not be compensable.

SECTION IX: DUTIES OF WATERMASTER

WATERMASTER agrees to perform duties in connection with this Agreement and RFS issued under it as follows:

- A. To assist PROFESSIONAL in obtaining any available information concerning location and details of facilities under control of WATERMASTER that may affect the work of an RFS, and to render reasonable assistance to PROFESSIONAL;
- B. To examine within a reasonable time so as not to delay the work of PROFESSIONAL, all studies, reports, sketches, drawings, specifications, cost estimates, proposals and other documents presented by PROFESSIONAL to WATERMASTER for such purpose;
- C. To give prompt written notice to PROFESSIONAL whenever WATERMASTER observes or otherwise becomes aware of any defect in the work of PROFESSIONAL;

SECTION X: DATA FURNISHED BY WATERMASTER

For the purpose of aiding PROFESSIONAL in the performance of its obligations under this Agreement and RFS issued under it, WATERMASTER shall furnish PROFESSIONAL all relevant data in its possession and shall render all reasonable assistance to PROFESSIONAL in connection with its performance hereunder. WATERMASTER is responsible for the reasonable correctness of data so furnished, but it shall likewise be the responsibility of PROFESSIONAL to apply reasonable caution in its use and interpretation of the data and to promptly advise WATERMASTER of any incorrectness or suspected incorrectness in the data furnished.

WATERMASTER shall provide to PROFESSIONAL in a timely manner all materials, decisions, and direction which are necessary to the progress of the work and

which are basically the prerogative of WATERMASTER, but which PROFESSIONAL is not required to determine or provide under the terms of this Agreement.

SECTION XI: RESPONSIBILITIES OF PROFESSIONAL

PROFESSIONAL is employed to render a professional service only, and any payments made to him are compensation solely for such services as he may render and recommendations he may make in carrying out the work. PROFESSIONAL shall follow professional practices to make findings, opinions, factual presentations, and professional advice and recommendations.

PROFESSIONAL's review or supervision of work prepared or performed by other individuals or firms employed directly by WATERMASTER shall not relieve those individuals or firms of complete responsibility for the adequacy of their work.

PROFESSIONAL shall be responsible for the professional quality, technical accuracy, timely completion, and the coordination of all designs, drawings, specifications, reports and other services furnished by PROFESSIONAL under this Agreement. PROFESSIONAL shall, without additional compensation, correct or revise any errors, omissions or other deficiencies in his designs, drawings, specifications, reports and other services.

PROFESSIONAL shall perform such professional services as may be necessary to accomplish the work required to be performed under this Agreement and in accordance with this Agreement.

Approval by WATERMASTER of drawings, designs, specifications, reports, and incidental engineering work or materials furnished hereunder shall not in any way relieve PROFESSIONAL of responsibility for the technical adequacy of his work. Neither WATERMASTER's review, approval or acceptance of, nor payment for, any of the services rendered under this Agreement shall be construed to operate as a waiver of any rights under this Agreement or of any cause of action arising out of the performance of this Agreement.

PROFESSIONAL shall be and remain liable in accordance with applicable law for all damages to WATERMASTER caused by PROFESSIONAL's negligent performance of any of the services furnished under this Agreement. The only exception in this regard will be for errors, omissions or other deficiencies to the extent attributable to WATERMASTER, WATERMASTER-furnished data or any third party not under the

control of PROFESSIONAL. PROFESSIONAL shall not be responsible for any time delays in the project caused by circumstances beyond PROFESSIONAL's control.

SECTION XII: SUBCONTRACT

WATERMASTER has entered into this Agreement in order to receive the professional services of PROFESSIONAL. PROFESSIONAL will therefore not make an assignment to a third party of all or any portion of the services required of PROFESSIONAL under this Agreement and RFSs thereto without first obtaining the written consent of WATERMASTER. PROFESSIONAL may, however, make use of the part-time assistance of other experts possessing unique skills, the utilization of which will, in the opinion of PROFESSIONAL, enhance the quality of its service to WATERMASTER under this Agreement provided, however, that any such additional assistants, part-time or otherwise, shall be considered employees of PROFESSIONAL or of PROFESSIONAL's subcontractor(s), and the responsibility for same shall rest with PROFESSIONAL.

SECTION XIII: INDEPENDENT PROFESSIONAL

PROFESSIONAL shall perform the services hereunder as an independent contractor, and nothing herein contained shall be construed to be inconsistent with this relationship or status. The employees of PROFESSIONAL shall not be deemed to be the employees of WATERMASTER, and WATERMASTER shall have no right to control the physical conduct of PROFESSIONAL's employees.

SECTION XIV: USE OF DOCUMENTS

For all work performed under this Agreement and all RFSs thereto, PROFESSIONAL shall provide to WATERMASTER copies of all plans, drawings, specifications, studies, reports, analyses, calculations, and all other work products and supporting documentation developed in the course of performing the work authorized by these agreements. The costs for reproducing, assembling, and delivering said copies of these documents to WATERMASTER shall be considered to have been included in the price for performing each RFS, whether or not specifically stated therein. Unless stated otherwise in the RFS, one paper copy, and the electronic file on disc or on CD (e.g. in MS Word, MS Excel, etc.), of each document shall be provided by PROFESSIONAL to WATERMASTER. WATERMASTER shall have the right, and permission of PROFESSIONAL, to use any such document for any purpose which WATERMASTER deems appropriate. Use of documents for other than their intended purpose shall be at WATERMASTER's risk. WATERMASTER shall hold PROFESSIONAL harmless from all claims and damages arising out of improper use of said documents.

SECTION XV: AMENDMENTS AND SCOPE OF AGREEMENT

WATERMASTER hereby reserves the right to amend the provisions of this Agreement from time to time as may be in the best interest of WATERMASTER. Such amendments, upon acceptance by PROFESSIONAL and by WATERMASTER, shall become and be considered as part of this Agreement, and all provisions herein shall apply to such amendments.

This Agreement constitutes the entire agreement between the parties relative to the subject matters hereof, and no modifications thereof shall be effective unless and until such modifications are evidenced by written amendments, signed by both parties, to this Agreement. There are no understandings, agreements, conditions, representations, warranties, or promises with respect to the subject matter of this Agreement which are not actually contained in the Agreement, except those expressly contained in such written amendments.

SECTION XVI: SUCCESSORS AND ASSIGNS

This Agreement and all amendments thereto shall be binding upon and inure to the benefit of any successors and assigns of the respective parties hereto.

SECTION XVII: ATTORNEYS' FEES

If any legal action is necessary to enforce or interpret the terms or provisions of this Agreement and all amendments thereto, and the respective rights and duties of the parties hereunder, the prevailing party shall be entitled to reasonable attorneys' fees in addition to any other relief to which he may be entitled.

SECTION XVIII: JURISDICTION

This Agreement shall be administered and interpreted under the laws of the State of California. Jurisdiction of litigation arising from this Agreement shall be in this state. If any part of this Agreement is found to be in conflict with applicable laws, such part shall be inoperative, null and void insofar as it is in conflict with said laws, but the remainder of the Agreement shall be in full force and effect.

SECTION XIX: INSURANCE

PROFESSIONAL shall procure and maintain for the duration of this Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by PROFESSIONAL, his agents, representatives, employees or subcontractors.

A. Minimum Scope and Limits of Insurance

PROFESSIONAL shall maintain the types of insurance with limits no less than those set forth below, and having no deductibles, except as noted.

The coverage shall be at least as broad as:

1. Insurance Services Office Commercial General Liability coverage (occurrence Form CG 0001).
2. Insurance Services Office Form No. CA 0001 covering Automobile Liability, Code 1 (any auto).
3. Workers Compensation insurance as required by the State of California and Employer's Liability Insurance.
4. Errors and Omissions Liability insurance appropriate to the consultant's profession. For architects and engineers this coverage shall be endorsed to include contractual liability.

Required coverage:

1. General Liability Insurance: Combined single limit of \$1,000,000 per occurrence and \$2,000,000 annual aggregate for bodily injury, personal injury, and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location, or the general aggregate limit shall be twice the required occurrence limit.
2. Automobile Liability Insurance: \$1,000,000 per accident for bodily injury and property damage.
3. Employer's Liability Insurance: \$1,000,000 per accident for bodily injury or disease. If PROFESSIONAL has no employees, this coverage is not required.
4. Workers' Compensation Insurance: As required by the State of California.
5. Errors and Omissions Insurance: PROFESSIONAL shall procure and maintain errors and omissions liability insurance appropriate to the type of

professional services that PROFESSIONAL will be providing under this Agreement. The minimum coverage shall be \$1,000,000 per claim and in the aggregate.

B. Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by WATERMASTER before any work under this Agreement is performed.

C. Other Insurance Provisions

The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. WATERMASTER, its officers, officials, employees, and volunteers are to be covered as insureds as respects: liability arising out of activities performed by or on behalf of PROFESSIONAL; products and completed operations of PROFESSIONAL; premises owned, occupied or used by PROFESSIONAL; or, automobiles owned, leased, hired or borrowed by PROFESSIONAL. The coverage shall contain no special limitations on the scope of protection afforded to WATERMASTER, its officers, officials and employees.
2. For any claims related to this project, PROFESSIONAL's insurance coverage shall be primary insurance as respects WATERMASTER, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by WATERMASTER, its officers, officials, employees, or volunteers shall be excess of PROFESSIONAL's insurance and shall not contribute with it.
3. Any failure to comply with reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to WATERMASTER, its officers, officials and employees.
 4. PROFESSIONAL's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
5. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days' prior

written notice by certified mail, return receipt requested, has been given to WATERMASTER.

6. Coverage shall not extend to any indemnity coverage for the active negligence of the additional insured in any case where an agreement to indemnify the additional insured would be invalid under Subdivision (b) of Section 2782 of the Civil Code.

E. Acceptability of Insurers

Insurance is to be placed with insurers with a current A. M. Best's rating of no less than A:VII, unless otherwise acceptable to WATERMASTER.

F. Verification of Coverage

PROFESSIONAL shall furnish WATERMASTER with original certificates and amendatory endorsements effecting coverage required by this section. The endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. All endorsements are to be received and approved by WATERMASTER before work commences. If this is not possible due to time constraints prior to commencement of work, PROFESSIONAL may initially furnish Certificates of Insurance in lieu of endorsements, as long as the endorsements are provided within forty-five (45) days from the date of execution of this Agreement.

G. Subcontractors

PROFESSIONAL shall include all subcontractors as insureds under its policies or shall furnish separate evidence of coverage and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

SECTION XX: INDEMNIFICATION

PROFESSIONAL shall indemnify and hold harmless WATERMASTER and its officers, officials, employees and agents from and against all losses, claims, demands, payments, suits, actions, recoveries, and judgements of every nature and description brought or recoverable against it or them by reason of any negligent act, negligent error, or negligent omission of PROFESSIONAL, his agents, or employees for work performed under this Master Agreement. The only exception in this regard will be for errors, omissions or other deficiencies to the extent attributable to WATERMASTER,

WATERMASTER-furnished data or any third party not under the control of PROFESSIONAL.

SECTION XXI: WRITTEN NOTICE

Written notice shall be deemed to have been duly served if delivered in person or by mail to the individuals and at the addresses listed below:

A. WATERMASTER: Chief Executive Officer
Seaside Basin Watermaster
2600 Garden Road, Suite 228
Monterey, CA 93940

B. PROFESSIONAL:

IN WITNESS WHEREOF, the parties hereto have executed this Agreement consisting of fifteen (15) pages and one (1) Attachment in duplicate on the date hereinabove written.

WATERMASTER

PROFESSIONAL

SEASIDE BASIN WATERMASTER

By _____
Dewey D. Evans
Chief Executive Officer

By _____
President

ATTACHMENT A
SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: _____

RFS NO. _____

(To be filled in by WATERMASTER)

TO: _____

FROM: _____

Services Needed and Purpose:

(Provide detailed scope of work description on page A-2, or attach Scope of Work marked "Attachment 1".)

Completion Date: _____ (Attach schedule marked "Attachment 2" if appropriate.)

Method of Compensation: _____ (As defined in Section V of Agreement.)

Total Price Authorized by this RFS: \$ _____ (Cost is authorized only when evidenced by signature below.)

Total Price may not be exceeded without prior written authorization by WATERMASTER in accordance with Section V. COMPENSATION.

Requested by: _____ Date: _____
WATERMASTER Technical Program Manager

Authorized by: _____ Date: _____
WATERMASTER Chief Executive Officer

Agreed to by: _____ Date: _____
PROFESSIONAL

Detailed Scope of Work for RFS No.____:

ESTIMATED COST SUMMARY

<u>Job Category*</u>	<u>Hours</u>	<u>Hourly Rate*</u>	<u>Cost</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

* Per Standard Schedule of Compensation attached hereto.

Subtotal: \$ _____

Other Direct Costs (description): _____

Vehicle mileage @ \$ _____ /mile \$ _____

Total Estimated Cost: \$ _____

Note: Regardless of the use of the term "Estimated Cost" on this page A-3 of this RFS, if the work of this RFS is to be compensated for using Lump Sum Payment method, it is understood and agreed to by PROFESSIONAL that the Total Price listed on page A-1 of this RFS is binding and limiting as defined in Section V of the Agreement.

ATTACHMENT B-1

**SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE**

DATE: January 1, 2009

RFS NO. 2009-01

(To be filled in by WATERMASTER)

TO: Joe Oliver

FROM: Robert Jaques

Services Needed and Purpose:

Perform certain Tasks contained within the Watermaster's Monitoring and Management Plan for 2009 (See detailed Scope of Work in Attachment 1).

Completion Date: The work of this RFS No. 2009-01 shall be completed in accordance with the schedule contained in Attachment 2.

Method of Compensation: Time and Expense Payment Method (As defined in Section V of Agreement.)

Total Price Authorized by this RFS: \$ 110,600.00 (See Attachment 3 for a Breakdown of this Total Price. Cost is authorized only when evidenced by signature below.)

Total Price may not be exceeded without prior written authorization by WATERMASTER in accordance with Section V. COMPENSATION.

Requested by: _____ Date: _____
WATERMASTER Technical Program Manager

Authorized by: _____ Date: _____
WATERMASTER Chief Executive Officer

Agreed to by: _____ Date: _____

PROFESSIONAL

ATTACHMENT 1

Detailed Scope of Work for RFS No. 2009-01

Background:

The Watermaster Board approved the Budget for the 2009 Management and Monitoring Program Scope of Work (hereinafter referred to as the “2009 M&MP Scope of Work”) at its Special meeting of October 23, 2008. For reference purposes the complete 2009 M&MP Scope of Work is attached as Exhibit A to this Attachment 1.

This RFS No. 2009-01 authorizes PROFESSIONAL to perform certain work on certain of the Tasks described in the 2009 M&MP Scope of Work, as described in Table 1 of this Attachment No. 1. The Task numbers listed in this Detailed Scope of Work for RFS No. 2008-01 correspond to the Task numbers in the 2009 M&MP Scope of Work.

Table 1

M&MP TASK NO.	TASK DESCRIPTION	WORK TO BE PERFORMED
I. 2. a.1	Conduct ongoing data entry/ database maintenance	PROFESSIONAL will perform water level and water quality data entry and data editing as necessary, and will provide appropriate quality control and quality assurance for this data. WATERMASTER will perform water production data entry and data editing as necessary. PROFESSIONAL will review the data entered by WATERMASTER for quality assurance and quality control purposes, and will notify WATERMASTER of any discrepancies PROFESSIONAL observes in this data. WATERMASTER will followup as appropriate with the water producers to resolve any such discrepancies. The database will be maintained under a separate agreement for performing database maintenance work for WATERMASTER. That agreement will either be with PROFESSIONAL or with another consultant.

M&MP TASK NO.	TASK DESCRIPTION	WORK TO BE PERFORMED
I. 2. a. 2	Verify Accuracy of Production Well Meters	To ensure that water production data is accurate, WATERMASTER intends to verify the accuracy of all production well meters during 2009. This work will either be performed by the well owner and submitted to WATERMASTER for review and acceptance, or performed by a Contractor hired by WATERMASTER. PROFESSIONAL will assist WATERMASTER in the performance of this work, by helping to review data, helping to identify meters that need to be verified, assisting the Contractor, and performing other related work as requested by WATERMASTER.
I. 2. b. 1.	Site Representation and Selection	The monitoring well network review that was started in 2008 will be completed to select the specific site where an additional monitoring well will be installed during 2009 to fill a data gap that was identified through the work performed in 2008. The new well will be constructed under subtask I.2.b.5. PROFESSIONAL will assist WATERMASTER with the process of selecting the site for the new well by coordinating with landowners, well owners, and regulatory agencies, and performing other related work as requested by WATERMASTER.
I. 2. b. 2.	Collect Monthly Water Levels	The monitoring wells from which water level data is to be collected by PROFESSIONAL are listed under the heading "MONITORING TO BE PERFORMED BY PROFESSIONAL" in the column titled "Level" in Table 2. PROFESSIONAL will visit each of the indicated wells at the frequencies shown in Table 2 in order to obtain the water level data. At these visits PROFESSIONAL will measure and record water levels by either taking manual water levels using an electric sounder, or by dataloggers. Dataloggers which have been installed on the four Coastal Sentinel and four ASR monitoring wells will be used to measure the levels at those wells. All of the other wells will be manually measured.

M&MP TASK NO.	TASK DESCRIPTION	WORK TO BE PERFORMED
I. 2. b. 3.	Collect Quarterly Water Quality Samples	The monitoring wells from which water quality data is to be collected by PROFESSIONAL are listed under the heading “MONITORING TO BE PERFORMED BY PROFESSIONAL” in the column titled “Quality” in Table 2. PROFESSIONAL will visit each of the indicated wells at the frequencies shown in Table 2 in order to obtain the water quality samples, and will perform water quality analyses on these samples. The water quality constituents that will be measured in these analyses are: Specific Conductance (micromhos/cm), Total Alkalinity (as CaCO ₃), pH, Chloride, Sulfate, Ammonia Nitrogen (as NH ₃), Nitrate Nitrogen (as NO ₃), Total Organic Carbon, Calcium, Sodium, Magnesium, Potassium, Iron, Manganese, Orthophosphate, Total Dissolved Solids, Hardness (as CaCO ₃), Boron, Bromide, and Fluoride. This data may either come from water quality samples that are collected by the airlift method, by the positive displacement method during induction logging of these wells and/or other data gathering techniques, or combinations of these methods, at the discretion of PROFESSIONAL, and will be submitted to a State-certified analytical laboratory for analysis.
I. 2. b. 4.	Update Program Schedule and Standard Operating Procedures	PROFESSIONAL will conduct periodic reviews of the data collection program and provide to WATERMASTER any recommended improvements or modifications which PROFESSIONAL believes will be beneficial to the program. PROFESSIONAL will conduct these reviews and provide these recommendations at least twice during calendar year 2009. The recommendations may be provided in the form of a memorandum.
I. 2. b. 5.	Monitor Well Construction	WATERMASTER will hire a Contractor to design and construct an additional monitoring well to fill a data gap in the existing monitoring well network. During the course of designing and constructing the well, PROFESSIONAL will assist WATERMASTER in working with and coordinating with the Contractor and performing other related work as requested by WATERMASTER.
I. 2. b. 6.	Reports	PROFESSIONAL will prepare and submit reports to WATERMASTER summarizing and analyzing the data that is collected, according to the following schedule: <ol style="list-style-type: none"> <li data-bbox="548 1556 1382 1623">1. Submit four quarterly reports summarizing and analyzing the water quality and water level data. <li data-bbox="548 1629 1419 1803">2. Submit one annual report that contains tables consolidating the data from the quarterly reports and a narrative summarization of the findings, conclusions, and recommendations from the quarterly reports. This annual report may include, as attachments, each of the four quarterly reports.

M&MP TASK NO.	TASK DESCRIPTION	WORK TO BE PERFORMED
I. 3. a	Enhanced Seaside Basin Groundwater Model	During 2009 WATERMASTER intends to hire a Consultant to update the existing groundwater model for the Seaside Basin, and to use the updated model to evaluate various Basin management issues. PROFESSIONAL will assist WATERMASTER with this work by participating in meetings, providing information and data for the Consultant's use, and performing other related work as requested by WATERMASTER.
I. 3. b.	Complete Preparation of Basin Management Action Plan	During 2009 the Consultant hired by WATERMASTER in 2008 will complete preparation of the Basin Management Action Plan (BMAP). PROFESSIONAL will assist WATERMASTER with this work by participating in meetings, providing information and data for the Consultant's use, and performing other related work as requested by WATERMASTER.
I. 4. a, b, and c	Perform Seawater Intrusion Analyses	WATERMASTER will have a consultant perform analyses and prepare mapping and other documents pertaining to seawater intrusion detection. PROFESSIONAL will participate in meetings with the consultant during the course of its work, and will provide review comments and recommendations to WATERMASTER regarding this work as it is being carried out by the consultant.
I. 4. d.	Complete Preparation of Seawater Intrusion Response Plan	During 2009 the Consultant hired by WATERMASTER in 2008 will complete preparation of the Seawater Intrusion Response Plan (SIRP). PROFESSIONAL will assist WATERMASTER with this work by participating in meetings, providing information and data for the Consultant's use, and performing other related work as requested by WATERMASTER.

Table 2. Monitoring Wells

WELL NAME AND SUBAREA LOCATION ⁽⁸⁾	MONITORING NETWORK ⁽¹⁾		MONITORING REQUIRED BY DECISION ⁽²⁾		MONITORING CURRENTLY BEING PERFORMED BY PROFESSIONAL NOT SUBJECT TO THIS RFS ⁽³⁾		MONITORING TO BE PERFORMED BY PROFESSIONAL UNDER THIS RFS ⁽⁴⁾			
	Existing	Enhanced	Level (Monthly)	Quality (Annually)	Level		Level		Quality	
					Frequency		Frequency		Frequency	
					Monthly	Quarterly	Monthly	Quarterly	Annually	Quarterly
Northern Coastal Subarea (and vicinity)										
MSC-Shallow	X				X					X
MSC-Deep	X				X					X
PCA-W Shallow	X					X				X
PCA-W Deep	X					X				X
PCA-E (Multiple) Shallow	X				X				X	
PCA-E (Multiple) Deep	X				X				X	
Ord Grove Test-Shallow/Deep	X				X					
Paralta Test-Shallow/Deep	X				X					
Ord Terrace-Shallow	X				X				X	
Ord Terrace-Deep	X				X				X	
MPWMD #FO-09-Shallow	X				X					X
MPWMD #FO-09-Deep	X				X					X
MPWMD #FO-10-Shallow	X				X				X	
MPWMD #FO-10-Deep	X				X				X	
Fort Ord Monitor-Dune/Aromas		X					X		X	
CDM MW-1-Dune/Aromas		X					X			
CDM MW-2-Dune/Aromas		X					X			
CAW Del Monte Observation-Shallow		X							X	
SBWM MW-1-Deep (Purisima) ⁽⁶⁾		X					X			X
SBWM MW-2-Deep (Purisima) ⁽⁶⁾		X					X			X
SBWM MW-3-Deep (Purisima) ⁽⁶⁾		X					X			X
SBWM MW-4-Deep (Purisima/Santa Margarita) ⁽⁶⁾		X					X			X
Northern Inland Subarea (and vicinity)										
MPWMD #FO-01-Shallow	X					X				
MPWMD #FO-01-Deep	X					X				
MPWMD #FO-07-Shallow	X					X				
MPWMD #FO-07-Deep	X					X				
MPWMD #FO-08-Shallow	X					X				
MPWMD #FO-08-Deep	X					X				
MPWMD #FO-11-Shallow	X					X				
MPWMD #FO-11-Deep	X					X				

Southern Coastal Subarea (and vicinity)											
Plumas '90 Test-Deep	X					X					
K-Mart-Dune/Aromas	X					X					
CDM MW-3-Dune/Aromas		X						X			
CDM MW-4-Dune/Aromas		X						X			
MW-BW-08A-Dune/Aromas		X						X			
MW-BW-09-180-Shallow		X						X			
Laguna Seca Subarea (and vicinity)											
MPWMD #FO-03-Shallow	X							X			
MPWMD #FO-03-Deep	X							X			
MPWMD #FO-04-Shallow (E)	X							X			
MPWMD #FO-04-Deep (W)	X							X			
MPWMD #FO-05-Shallow	X							X			
MPWMD #FO-05-Deep	X							X			
MPWMD #FO-06-Shallow	X							X			
MPWMD #FO-06-Deep	X							X			
Justin Court (RR M2S)-Shallow	X							X			
LS Pistol Range (Mo Co TH-1)-Deep	X							X			
York Rd-West (Mo Co MW-1 D)-Deep	X							X			
Seca Place (Mo Co MW-2)-Deep	X							X			
Robley Shallow (North) (Mo Co MW-3S)-Shallow	X							X			
Robley Deep (South) (Mo Co MW-3D)-Deep	X							X			
LS Driving Range (SCS Deep)-Shallow	X							X			
LS No. 1 Subdivision-Deep	X							X			
Blue Larkspur-East End-Believed to be Deep	X							X			
York School-Shallow		X	X							X	
Laguna Seca Driving Range (SCS-Deep)-Shallow		X					X			X	
CAW East Fence-Shallow		X	X							X	
Laguna Seca County Park #4-Shallow		X	X							X	
CAW Granite Construction-Deep		X						X			
CAW Ryan Ranch (RR) #7-Deep		X	X							X	
Laguna Seca Golf New #12-Deep ⁽⁹⁾		X								X	
Pasadera Main Gate-Deep		X	X							X	
No. of Wells in Each Network⁽⁵⁾=	41	20				14	20	12	0	15	10

Notes:

- (1) The wells within the Existing Monitoring Well Network are the wells that PROFESSIONAL has been monitoring in the recent years as part of PROFESSIONAL's own monitoring program. The wells within the Enhanced Monitoring Well Network are the wells to be monitored under this RFS.
- (2) Monitoring required by the Decision is the monitoring described in the Monitoring and Management Program which was incorporated by reference in the Decision of the Court dated February 9, 2007.
- (3) Monitoring currently being performed by PROFESSIONAL not subject to this RFS is monitoring work PROFESSIONAL is performing under other monitoring programs. This monitoring is not a part of this RFS.
- (4) Monitoring to be performed by PROFESSIONAL is the monitoring to be performed under this RFS.
- (5) The Enhanced Monitoring Well Network includes 15 wells recommended in the Enhanced Monitoring Well Network report prepared by PROFESSIONAL, dated October 23, 2007, plus the 4 new Sentinel Wells installed in 2007.
- (6) The Seaside Basin Watermaster (SBWM) wells are all equipped with dataloggers that obtain measurements at least daily, but will be manually sounded for water level on a quarterly basis for calibration purposes.
- (7) Not used.
- (8) Shallow=Paso Robles; Deep=Santa Margarita or Purisima.
- (9) This well is so close to the Laguna Seca Old No. 12 well that no water level monitoring is necessary.

Exhibit A

2009 M&MP Scope of Work

Seaside Groundwater Basin Management and Monitoring Program

Anticipated 2009 Scope of Work

(Updated October 9, 2008)

The tasks outlined below are those that are anticipated to be performed during 2009. Some Tasks listed below were included in the Initial Phase 1 Scope of Work that was contained in the Implementation Plan prepared in March, 2007, and the Updated Phase 2 Scope of Work contained in the November, 2007 Annual Report. This is because some Tasks recur throughout the program. For instance, data collection and database entry are continuous activities that will occur throughout the program. Program Administration Tasks will also occur on a day-to-day, as needed basis throughout the program.

Within the context of this document the term "Consultant" refers either to a firm providing professional engineering or other types of technical services, or to the Monterey Peninsula Water Management District (MPWMD), or to the Monterey County Water Resources Agency (MCWRA). The term "Contractor" refers to a firm providing construction or field services such as well drilling, induction logging, or meter calibration.

M.1 Program Administration

M. 1. a. Project Budget and Controls

Consultants will provide monthly or bimonthly invoices to the Watermaster for work performed under their contracts with the Watermaster. Consultants will perform maintenance of their internal budgets and schedules, and management of their subconsultants. The Watermaster will perform management of its Consultants.

M. 1. b. Assist with Board and TAC Agendas

Watermaster staff will prepare Board and TAC meeting agenda materials. No assistance from Consultants is expected to be necessary to accomplish this Task.

M. 1. c. Preparation and Attendance of Meetings

The Consultants' work will require internal meetings and possibly with outside governmental agencies and the public. For meetings with outside agencies, other Consultants, or any other parties which are necessary for the conduct of the work of their contracts, the Consultants will set up the meetings and prepare agendas and meeting minutes to facilitate the meetings. These may include planning and review meetings with Watermaster staff. The costs for these meetings will be included in their contracts, under the specific Tasks and/or subtasks to which the meetings relate. The only meeting costs that will be incurred under Task M.1.c will be:
Those associated with attendance at TAC meetings, and
From time-to-time when Watermaster staff asks Consultants to make presentations to the Watermaster Board and/or TAC.

M. 1. d. Prepare Board/ TAC Status Updates and Reports

For TAC meetings appropriate Consultant representatives will attend the TAC meetings, but will not be asked to prepare agendas or meeting minutes. As necessary, Consultants may provide oral updates to their progress reports (prepared under Task M.1.d) at the TAC meetings.

Consultants will provide written monthly progress reports to the Watermaster for inclusion in the agenda packets for the TAC meetings. These progress reports will typically include project progress that has been made, and problem identification and resolution.

M. 1. e. Peer Review of Documents and Reports

When requested by the Watermaster staff, Consultants may be asked to assist the TAC and the Watermaster staff with peer reviews of documents and reports prepared by various other Watermaster Consultants and/or entities.

M. 1. f. QA/QC

A Consultant (MPWMD) will provide general QA/QC support over the Seaside Basin Monitoring and Management Program.

I. 2 Comprehensive Basin Production, Water Level and Water Quality Monitoring Program

I. 2. a. Database Management

<p>I. 2. a. 1</p> <p>Conduct Ongoing Data Entry/ Database Maintenance</p>	<p>The database will be maintained by a Consultant performing this work for the Watermaster. Either one of the other Consultants or the Watermaster staff will enter new data into the consolidated database. Such data will include water production volumes, water quality and water level data, and such other data as may be appropriate.</p>
<p>I. 2. a. 2</p> <p>Verify Accuracy of Production Well Meters</p>	<p>To ensure that water production data is accurate, all production well meters will be verified for accuracy during 2009. This work will either be performed by the well owner, and submitted to the Watermaster for review and acceptance, or performed by the Watermaster through a Contractor hired by the Watermaster. Performing this work "...as often as may be reasonable..." is required under the Amended Decision, on page 35, Section L.3.j.vii.</p>
<p>I. 2. b. Data Collection Program</p>	
<p>I. 2. b. 1.</p> <p>Site Representation and Selection.</p>	<p>The monitoring well network review that was started in 2008 will be completed to select the specific site where an additional monitoring well will be installed to fill a data gap that was identified through the work performed in 2008. This new well will be used to develop additional data that will be beneficial to the management of the basin. The new well will be constructed under subtask I.2.b.5.</p>
<p>I. 2. b. 2.</p> <p>Collect Monthly Manual Water Levels.</p>	<p>Each of the monitoring wells will be visited on a monthly basis. Water levels will be determined by either taking manual water levels using an electric sounder, or by dataloggers, if it is determined that dataloggers are appropriate. It is expected that dataloggers, if used, will only be installed on the Coastal Sentinel monitoring wells, and that the other wells will be manually measured.</p>
<p>I. 2. b. 3.</p> <p>Collect Quarterly Water Quality Samples.</p>	<p>Water quality data will be collected quarterly from certain of the monitoring wells. This data may come from water quality samples that are taken from these wells and submitted to a State Certified analytic laboratory for general mineral and physical suite of analyses, or the data may come from induction logging of these wells and/or other data gathering techniques. The Consultant selected to perform this work will make this judgment based on consideration of costs and other factors.</p>
<p>I. 2. b. 4.</p> <p>Update Program Schedule and Standard Operating Procedures.</p>	<p>The TAC, with assistance from Consultants, will conduct periodic reviews of the data collection program and will recommend to the Watermaster improvements as warranted.</p>
<p>I. 2. b. 5.</p> <p>Monitor Well Construction</p>	<p>Similar to the approach taken in Phase 1 under Task I.1, the Watermaster will hire a Contractor to design and construct an additional monitoring well to fill a data gap in the existing monitoring well network. The work to select the site for this well will be performed under subtask I. 2. b. 1. Budgeting for this Task will be included in the M&MP 2009 Capital Budget.</p>
<p>I. 2. b. 6</p> <p>Reports</p>	<p>The groundwater level and quality monitoring will be conducted on a monthly, quarterly, and annual basis, as described in the Contractor's Scope of Work. Reports summarizing data collected and analyzed will be submitted to the Watermaster on a schedule to be established during the year. Reports will include:</p> <ul style="list-style-type: none"> • Water Quality and Water Level Quarterly Reports • An Annual Water Quality and Water Level Report
<p style="text-align: center;"><i>I. 3 Basin Management</i></p>	
<p>I. 3. a.</p> <p>Enhanced Seaside Basin Groundwater Model</p>	<p>As a result of the data obtained during Phase 1, including constructing new coastal sentinel monitoring wells and developing a consolidated database of groundwater production, water levels, and water quality, it is was concluded that at that time it was not necessary to develop a new Model. The basis for this decision was included in the Phase 1 documents submitted with the November 15, 2007 Annual Report. Preliminary conclusions from work performed on preparing the Basin Management Action Plan in 2008, along with comments and questions from Technical Advisory Committee and Board members, indicate that it will be desirable to update the existing Model during 2009, so that it can be used as more data becomes available.</p>

<p>I. 3.a.1</p> <p>Update the Existing Model</p>	<p>The existing Model is described in the report titled "Groundwater Flow and Transport Model" dated October 1, 2007. The existing Model will be updated to address those issues discussed in the Memorandum from HydroMetrics titled "Ongoing Status of the Seaside Basin Groundwater Model" dated October 4, 2007, which are necessary to use the Model for the purposes described under tasks I.3.a.2 and I.3.a.3. This work will be done by a Consultant hired by the Watermaster. [Note: Both of the referenced documents were either discussed or contained in Attachment 11 of the Watermaster's "Annual Report – 2007."]</p>
<p>I. 3. a. 2</p> <p>Develop Protective Water Levels</p>	<p>Use the updated Model to develop protective water levels for selected production wells, as well as for the Basin as a whole. This work will be done by a Consultant hired by the Watermaster. The general scope of work for this Task is outlined in HydroMetrics letter dated June 4, 2008 titled "Approach and Effort for Estimating Protective Groundwater Levels in the Seaside Basin."</p>
<p>I. 3. a. 3</p> <p>Evaluate Replenishment Scenarios and Develop Answers to Basin Management Questions</p>	<p>Use the updated Model to evaluate different scenarios to determine such things as the most effective methods of using supplemental water sources to replenish the Basin and/or to assess the impacts of pumping redistribution. As desired and appropriate, use the updated Model to develop preliminary answers to other questions associated with Basin management. This work will be done by a Consultant hired by the Watermaster. The general scope of work for this Task is included in the scope described in HydroMetrics letter dated June 4, 2008 titled "Approach and Effort for Estimating Protective Groundwater Levels in the Seaside Basin."</p>

**I. 3. b.
Complete Preparation of Basin
Management Action Plan**

The Watermaster's Consultant hired in 2008 to prepare the Basin Management Action Plan (BMAP) has nearly completed preparing this document, and full completion is expected by spring of 2009. The completed BMAP will serve as the Watermaster's long-term seawater intrusion prevention plan. The BMAP addresses the topics described under subtasks I. 3. b. 1 and I. 3. b. 2, as well as other important Basin management topics. The Sections that will be included in the final BMAP are:

- Executive Summary
- Section 1 – Background and Purpose
- Section 2 – State of the Basin
- Section 3 – Supplemental Water Supplies
- Section 4 –Groundwater Management Actions
- Section 5 – Conclusions, Recommendations, and Implementation Plan

Drafts of each of these Sections were prepared in 2008, and will be finalized for inclusion in the Final BMAP in 2009.

The updated Supplemental Water Supplies analysis contained in Section 3 of the BMAP addresses the following:

- Updated status and review Of Monterey Peninsula Water Supply Projects
- Updated costs, schedules, permitting issues, and volumes of water that the Projects can supply
- Distribution and Delivery System/ End Use Consumer Improvements and Mandatory Conservation Efforts
- Non-Potable Water Resources
- Out-of-Basin Imports

Pumping redistribution strategies are discussed in Section 4 of the BMAP, and also in Section 4 of the Seawater Intrusion Response Plan (Section 4 listed under subtask I.4.d). This work addresses the following:

- Basin overdraft, mandatory GW reduction
- Salinity detection, mandatory GW reduction
- Reduced GW delivery impacts and solutions
- In Lieu, Voluntary pumping reductions
- Water Banking
- Salinity barrier system
- Pumping variability
- Storage capacity of the basin

Compliance with any CEQA issues which pertain to adoption and/or implementation of the BMAP will be carried out by a Consultant in conjunction with the adoption of the BMAP by the Watermaster Board of Directors. At this point it is assumed that only an Initial Study leading to a Negative Declaration will meet the CEQA requirements. If additional CEQA compliance work will be required, this will be determined once the Initial Study has been completed.

**I. 3. c.
Refine and/or Update the
Basin Management Action
Plan**

During 2009 it may be found beneficial or necessary to perform further, as yet undefined, work to refine the BMAP and/or to update it based on new data or knowledge that is gained during the year. Such work might involve issues pertaining to Basin storage capacity, water storage rights, or pumping redistribution strategies. This task is included primarily for budgeting purposes in the event such work is deemed necessary.

***I. 4 Seawater Intrusion Response Plan (formerly referred to as the Seawater
Intrusion Contingency Plan***

I. 4. a. A Consultant will provide general oversight over the Seawater Intrusion detection program.

**Oversight of Seawater
Intrusion Detection and
Tracking**

**I. 4. b.
Analyze and Map Water
Quality from Coastal
Monitoring Wells**

Annual chloride concentration maps will be produced incorporating the data from the coastal wells. Data from the Phase 1 coastal sentinel wells will be used to develop time series graphs.

**I. 4. c.
Annual Report- Seawater
Intrusion Analysis**

At the end of each water year, a Consultant will reanalyze all water quality data. Semi-annual chloride concentration maps will be produced for each aquifer in the basin. Time series graphs, trilinear graphs, and stiff diagram comparisons will be updated with new data. The annual EM logs will be analyzed to identify changes in seawater wedge locations. All analyses will be incorporated into an annual report that follows the format of the initial, historical data report. Potential seawater intrusion will be highlighted in the report, and if necessary, recommendations will be included. The annual report will be submitted for review by the TAC and the Board. Modifications to the report will be incorporated based on input from these bodies, as well as Watermaster staff.

**I. 4. d
Complete Preparation of
Seawater Intrusion Response
Plan**

A detailed draft long-term Seawater Intrusion Response Plan (SIRP) has nearly been completed. The SIRP will be completed and approved by the Watermaster by the spring of 2009. The Sections that will be included in the final SIRP are:

- Executive Summary
- Section 1 – Background and Purpose
- Section 2 – Conformance with Other Documents
- Section 3 – Seawater Intrusion Indicators and Triggers
- Section 4 –Seawater Intrusion Contingency Actions

Compliance with any CEQA issues which pertain to adoption and/or implementation of the SIRP will be carried out in conjunction with the adoption of the SIRP by the Watermaster Board of Directors. At this point it is assumed that only an Initial Study leading to a Negative Declaration will meet the CEQA requirements. If additional CEQA compliance work will be required, this will be determined once the Initial Study has been completed.

**I. 4. e.
Refine and/or Update the
Seawater Intrusion Response
Plan**

During 2009 it may be found beneficial or necessary to perform further, as yet undefined, work to refine the SIRP and/or to update it based on new data or knowledge that is gained during the year. Such work might involve issues pertaining to seawater intrusion indicators/triggers or pumping redistribution strategies. This task is included primarily for budgeting purposes in the event such work is deemed necessary.

**I. 4. f.
If Seawater Intrusion is
Determined to be Occurring,
Implement Contingency
Response Plan**

The SIRP will be implemented if seawater intrusion, as defined in the Plan, is determined by the Watermaster to be occurring.

ATTACHMENT 2
SCHEDULE

(See Schedule contained in TAC Meeting Agenda Item No. 5. Once finalized, that Schedule will be inserted here)

ATTACHMENT 3
COSTS

ATTACHMENT 3 SUMMARY OF ESTIMATED COSTS

M&MP TASK NO.	LABOR HOURS		HOURLY RATE	SUPPLIES AND MATERIALS		TOTAL
	BREAKDOWN	TOTAL		BREAKDOWN	TOTAL	
I. 2. a. 1	12 mo. @ 8 hrs/mo.	96	\$100	N/A	\$0	\$9,600
I. 2. a. 2	Meetings and coordination @ 8 hrs.	8	\$100	N/A	\$0	\$800
I. 2. b. 1.	One time task	16	\$100	N/A	\$0	\$1,600
I. 2. b. 2.	12 mo. @ 4 hrs/mo.	48	\$70	N/A	\$0	\$3,360
I. 2. b. 3.	Existing Coastal wells (6 wells @ 3 sites): 4 events @ 24 hrs/event	96	\$70	Airlift equip.: 4 events @ \$100/site x 3 sites; Fuel: 4 events @ \$10/site x 3 sites; Lab costs: 4 events @ \$200/well x 6 wells	\$6,120	\$12,840
	New WQ wells as per Table 2: 1 event @ 24 hrs/event	24	\$70	One-time eductor setup: \$500 x 2 sites = \$1000; Airlift equip.: \$100 x 2 sites x 1 event = \$200; Fuel: \$20 x 2 sites x 1 event = \$40; Lab cost: \$200 x 15 wells x 1 event = \$3000; One-time retrofits: \$10,000 x 1 site = \$10,000	\$14,240	\$15,920
	Watermaster Sentinel wells: download/store dataloggers, 4 events @ 2 hrs/event	8	\$70			\$560
	Watermaster Sentinel wells: (Induction logging and water quality sampling) 4 events @ 4 wells @ 2 hrs/well	32	\$70	Induction logging: \$7,000 for 4 sites per event x 4 events (Services subcontracted to induction logging firm)	\$28,000	\$30,240
	Compile data: 4 events @ 25 hours/event	100	\$70	N/A	\$0	\$7,000
I. 2. b. 4.	Review twice @ 5 hours ea.	10	\$100	N/A	\$0	\$1,000
I. 2. b. 5.	Meetings and coordination @ 24 hrs.	24	\$100	N/A	\$0	\$2,400
I. 2. b. 6	4 - quarterly reports @ 12 hrs/report	48	\$85	N/A	\$0	\$4,080
	1- annual report @ 16 hrs	16	\$100	N/A	\$0	\$1,600
I. 3. a.	Meetings and coordination over 6 months @ 16 hrs./mo.	96	\$100	N/A	\$0	\$9,600
I. 3. b.	4 mo. @ 8 hrs/mo.	32	\$100	N/A	\$0	\$3,200
I. 4. a, b, and c	12 mo. @ 3 hrs/mo.	36	\$100	N/A	\$0	\$3,600
I. 4. d.	4 mo. @ 8 hrs/mo.	32	\$100	N/A	\$0	\$3,200

TOTAL ESTIMATED COST = \$110,600

Notes:

1. Vehicle mileage is included in the labor costs above.
2. Regardless of the use of the term "Estimated Cost" in this RFS, if the work of this RFS is to be compensated for using Lump Sum Payment method, it is understood and agreed to by PROFESSIONAL that the Total Price listed on page A-1 of this RFS is binding and limiting as defined in Section V of the Agreement.

ATTACHMENT B-2

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: January 1, 2009

RFS NO. 2009-02
(To be filled in by WATERMASTER)

TO: Joe Oliver
PROFESSIONAL

FROM: Robert Jaques
WATERMASTER

Services Needed and Purpose:

Perform water level and water quality data collection for specified wells within the Seaside Basin in accordance with the Scope of Work contained in Attachment 1.

Completion Date: The work of this RFS No. 2009-02 shall be completed on an as-directed basis from the Watermaster during 2009. All work under this RFS will be completed not later than December 31, 2009.

Method of Compensation: Time and Expense Payment Method (As defined in Section V of Agreement.)

Total Price Authorized by this RFS: \$9,600 (See Attachment 1 for details regarding this Total Price, and how costs will be authorized on an as-directed basis. Cost is authorized only when evidenced by signature below.)

Total Price may not be exceeded without prior written authorization by WATERMASTER in accordance with Section V. COMPENSATION.

Requested by: _____ Date: _____
WATERMASTER Technical Program Manager

Authorized by: _____ Date: _____
WATERMASTER Chief Executive Officer

Agreed to by: _____ Date: _____

PROFESSIONAL

ATTACHMENT 1

Scope of Work for RFS No. 2009-02

Background:

The WATERMASTER Board authorized its staff to contract with the PROFESSIONAL to collect water level and water quality data from certain wells located within the Seaside Basin, if the owners/operators of those wells expressed this desire to the WATERMASTER. The procedures for this data collection are described in the Notice to Well Owners that is contained in Exhibit "A" to this Attachment 1.

This RFS No. 2009-02 authorizes PROFESSIONAL to perform this data collection work on an as-directed basis, with formal authorization from the WATERMASTER to the PROFESSIONAL being required prior to the PROFESSIONAL performing such work on any specified well. This will provide the WATERMASTER with full control over which wells are provided this service, as well as over the costs for having this work performed.

The wells to which these services may be provided are listed in Table 1.

The estimated costs, per well, to perform these services are as follows:

Monthly Water Levels - It is estimated that it will take approximately 0.5 hour/well to perform a water level measurement. This time estimate is based on the assumption that the water level measurements will be performed at the time that a field person is already out and about collecting data from other wells, and the fact that the distance between wells located within the Basin is not that great. This labor would be billed at the field rate of \$70/hr, so the estimated cost per water level measurement would be \$35.

The total estimated cost would be \$420 per year per well for 12 monthly measurements.

Annual Water Quality Sampling - Assuming that annual water sample collection would coincide with water level collection at a well, it is estimated that it will take approximately 0.5 hr to collect the water quality sample, including sampling time, bottle labeling, custody forms, delivery to laboratory, etc. There will also be an estimated 0.5 hr for receipt, review and computer entry of laboratory data, and an estimated \$200 per sample for the laboratory analysis. The sampling work would be billed at the field rate of \$70/hr, so the estimated cost per annual water quality sample would be \$70 for labor, and \$200 for laboratory services, for a total cost per sample of \$270. Only one sample per well will need to be collected and analyzed in 2009. This sample will be collected in the fall of 2009.

The total estimated cost for collecting and analyzing the sample per well is \$270.

Combined Water Level Measurements and Water Quality Sampling: For combined water level and water quality monitoring, the total estimated cost, per well, for the 12-month period is \$690.

Of the wells listed in Table 1 it is assumed that not more than 10 will ask to have data collected for them by the WATERMASTER, the total estimated cost would be:

Potential No. of Wells Needing Water Level Data Collected = 10 @ \$420	=	\$4,200
Potential No. of Wells Needing Water Quality Data Collected = 10 @ \$540	=	<u>\$5,400</u>
TOTAL	=	<u><u>\$9,600</u></u>

Table 1

APN	DETAILS	COMPANY	Watermaster "Producer" Well?	MPWMD Assigned Well #	Monthly Water Levels Required	Monthly Water Levels Being Collected?	Annual Water Quality Analyses Required?	Annual Water Quality Data Being Collected?
Within MPWMD Boundaries								
012-432-004	CAW - Plumas #4	California American Water Co.	Y	T15S/R1E-27Jg	Y	Y	Y	N
012-843-013	CAW - Darwin	California American Water Co.	Y	T15S/R1E-23Ea	Y	Y	Y	N
011-041-018	CAW - Military	California American Water Co.	Y	T15S/R1E-14Nd	Y	Y	Y	N
011-061-004	CAW - Ord Grove #2	California American Water Co.	Y	T15S/R1E-23Bc	Y	Y	Y	N
011-071-018	CAW - New Luzern	California American Water Co.	Y	T15S/R1E-23De	Y	Y	Y	N
011-091-017	CAW - Playa #3	California American Water Co.	Y	T15S/R1E-22Bc	Y	Y	Y	N
011-091-017	CAW - Playa #4	California American Water Co.	Y	T15S/R1E-22Bf	Y	Y	N	
011-493-028	CAW - Paralta	California American Water Co.	Y	T15S/R1E-14Ra	Y	Y	Y	N
031-151-010	Reservoir Well	City of Seaside	Y	T15S/R1E-13Na	Y	?	Y	N
031-231-062	Coe Avenue Well	City of Seaside	Y	T15S/R1E-14Ma	Y	?	Y	N
011-181-014	Public Works Corp. Yard	City of Sand City	Y	T15S/R1E-22Ed	Y	?	Y	N
011-011-020	Cypress Pacific	Monterey Peninsula Engineering	Y	T15S/R1E-22Dd	Y	N	Y	N
011-236-010	Robinette -Design Ctr.	City of Sand City	Y	T15S/R1E-22Mc	Y	?	Y	N
011-041-043	(in front of Target)	DBO Development	Y	T15S/R1E-22Ce	Y	N	N	
011-061-022	MMP prod well	Mission Memorial Park	Y	T15S/R1E-23Ab	Y	Y	N	
011-061-022	PRTIW -operated by MMP	Mission Memorial Park	Y	T15S/R1E-23Ac	Y	N	Y	N
011-501-014-500		Security National Guaranty, Inc.	Y	T15S/R1E-15K1	Y	N	Y	N
011-532-005		Granite Rock Company	Y	T15S/R1E-22Eb	Y	?	N	
012-511-005	Shea Well	City of Del Rey Oaks	Y	T15S/R1E-26Mc	Y	N	N	
012-115-017	City #4	Seaside Municipal Water System	Y	T15S/R1E-23Gc	Y	?	Y	?
012-653-003	City #2	Seaside Municipal Water System	Y	T15S/R1E-23Pb	Y	?	N	
012-664-017	City #1	Seaside Municipal Water System	Y	T15S/R1E-23Lb	Y	?	N	
012-115-017	City #3	Seaside Municipal Water System	Y	T15S/R1E-23Ga	Y	?	Y	?
173-071-052	East Well (Lot #9)	CAW - Bishop Unit	Y	T16S/R2E-05Fa	Y	N	N	
173-072-034	well lot Bishop #1 (west)	CAW - Bishop Unit	Y	T16S/R2E-05Ea	Y	Y	N	
173-072-041	well lot Bishop #2 (east)	CAW - Bishop Unit	Y	T16S/R2E-05Fb	Y	Y	N	
416-111-002	Mutual	CAW - Hidden Hills Unit	Y	T16S/R2E-09Cc	Y	N	N	
416-111-004	Standex	CAW - Hidden Hills Unit	Y	T16S/R2E-09Cc	Y	N	N	
416-111-004	Bay Ridge	CAW - Hidden Hills Unit	Y	T16S/R2E-09Cd	Y	Y	N	
259-031-011	RR#7	CAW - Ryan Ranch #7	Y	T15S/R1E-36Nb	Y	Y	N	
259-031-012	RR#8	CAW - Ryan Ranch #8	Y	T16S/R1E-01Cb	Y	Y	N	
259-031-012	RR#11	CAW - Ryan Ranch #11	Y	T16S/R1E-01Cd	Y	Y	N	
173-071-056	Old Main Gate (Lot #12)	Pasadera - New Cities Developme	Y	T16S/R2E-05Mg	Y	Y	N	
173-071-051	Paddock #1(Lot #11)	Pasadera - New Cities Developme	Y	T16S/R2E-05Mf	Y	N	N	
203-031-034	01-349	York School	Y	T15S/R1E-36Qa	Y	?	N	
173-071-048	(new #12)	Laguna Seca Golf Resort	Y	T16S/R2E-06Hb	Y	Y	N	
173-071-048	(racetrack)	Laguna Seca Golf Resort	Y	T16S/R2E-06Ga	Y	Y	N	
Outside MPWMD Boundaries								
173-011-025, -026	LS Cnty Park #3	MPRPD	Y	T16S/R2E-05Gd	Y	?	N	
173-011-025, -026	LS Cnty Park #4	MPRPD	Y	T16S/R2E-05Ge	Y	?	N	
					Y = 38	N or ? = 21	Y = 16	N or ? = 16

EXHIBIT “A”

NOTICE OF REQUEST FOR WATER WELL DATA January 17, 2008

You are receiving this Notice because the Seaside Groundwater Basin Watermaster’s records indicate you are the owner or operator of a water well located within the Seaside Groundwater Basin.

The Seaside Groundwater Basin Watermaster (Watermaster) is responsible for enforcing and administering the provisions of the adjudication Decision for the Seaside Groundwater Basin (Basin) located in northern Monterey County, California. This Decision was issued by the Superior Court in Monterey County on March 27, 2006 and amended on February 9, 2007.

Concerns about overpumping of groundwater from the Basin, and the potential for this to lead to seawater intrusion, led to the Court’s issuing of the Decision. The Decision requires that certain actions be taken by the Watermaster to preserve and protect the groundwater resources within the Basin. Two of these requirements are:

1. All active and inactive production wells in the basin must have static (i.e., non-pumping) water levels collected and recorded a minimum of once per month.
2. All active production wells in the coastal subareas of the basin must have a water quality sample from each well collected and analyzed by a state-approved (certified) laboratory for the full general inorganic mineral suite a minimum of once per year.

An active production well is defined as any well that has extracted water within the last year for a beneficial use, such as landscape irrigation, commercial uses, or drinking water. An inactive production well is defined as any well that could extract water for a beneficial use, but which has not extracted water within the last year and currently either has an inoperable pump, or no pump at all, and is therefore not currently capable of extracting water for a beneficial use.

The Decision states that it shall be the responsibility of each owner/operator of the well(s) to report water level and quality analytical results to the Watermaster for inclusion of these data in the consolidated groundwater resource database. This database is being developed by the Watermaster pursuant to the Decision.

The check box on the following page shows what our records indicate with regard to receipt of the required data from you for the indicated water well(s) located within the Seaside Groundwater Basin. If the data has not been submitted, you are hereby requested to provide the indicated 2006 and 2007 data to the Watermaster, as well as any prior well data of this type.

Water System Name: _____

Well Name: _____

Well Status: Active Inactive

Required Data to be Submitted: Monthly Static Water Levels Annual Water Quality

Has Data Has Been Submitted to the Watermaster as Required? Yes No

Are There Any Extenuating Circumstances Pertaining to this Well for Which You Believe the Well Should Not be Required to Submit this Data?: Yes No

If the answer to this question is “Yes” please provide a detailed explanation of these circumstances, and why the data cannot, or should not, be submitted:

For ongoing compliance, there are two ways for you to obtain and submit the required data to the Watermaster:

1. Obtain the data yourself, and submit it to the Watermaster. This will likely involve (1) either making the water level measurements yourself, or having another qualified party do this for you, and (2) taking a water quality sample and sending it to a state-approved laboratory for analysis.
2. Have the Watermaster obtain the data for you, and pay the Watermaster for its costs to provide this service.

If you choose to obtain the data yourself, you will need to have the skills and equipment to make the water level measurements, and to collect a representative sample for water quality testing. A brief description of the procedures for performing each of these tasks is contained in Attachment A to this Notice. A listing of the water quality parameters for which the annual water sample must be analyzed are contained in Attachment B. These parameters are standard tests performed by many water quality laboratories. Water level data are to be collected once each month, and are to be submitted to the Watermaster within 15 days after the data are collected. Water quality

sampling is to be performed in September or October, and the water quality results are to be submitted to the Watermaster not later than October 15 of each year. **If you choose to obtain the data yourself, please send written notification of this to the Watermaster not later than January 31, 2008.**

If you choose to have the Watermaster obtain the data on your behalf, you will need to provide written authorization to the Watermaster for this purpose. This can be done by filling out and returning the form contained in Attachment C to this letter, and returning it to the Watermaster along with your check made out in the appropriate amount per well, as described in Attachment C. **If you choose to have the Watermaster obtain the data on your behalf, please complete and return the form in Attachment C, along with your check, to the Watermaster not later than January 31, 2008.** Note: Well owners/operators who are currently collecting this data themselves may also ask to have the Watermaster collect the data for them, under the same terms and conditions set forth in Attachment C.

The Watermaster has been ordered by the Court to provide a report by February 28, 2008 on progress being made to collect the required data. The responses received from each affected well owner/operator will be used in the preparation of that report. Any well owners from whom no definitive response has been received will be noted in that report. Since the Court has the power to impose sanctions on any well owner/operator that does not carry out the requirements contained in the Decision, it is imperative that all affected well owners respond to this Notice.

If you have any questions regarding this Notice, please contact the Seaside Groundwater Basin Watermaster at (831) 641-0113, or by mail at the address shown on the letterhead.

Thank you for your attention to this Notice.

Dewey D. Evans
Chief Executive Officer

Attachments (3)

ATTACHMENT A

OUTLINE OF PROCEDURES TO MEASURE STATIC WATER LEVELS AND TO COLLECT A SAMPLE FOR WATER QUALITY ANALYSIS

Water Level Measurement

An acceptable method for collecting static (i.e., non-pumping) water level measurements is with the use of a coaxial electric water level sounding device, such as shown in Figure 1. All water level measurements must be referenced to a described point at the wellhead. For active production wells, the well must be shut down 24 hours prior to water level measurement to ensure an accurate static water level reading. All measurements should be recorded to the nearest one hundredth of a foot (e.g., depth to water from wellhead reference point = 85.94 feet).

Water Sample Collection

Samples are to be collected for water quality analysis only from active production wells. Active wells have operable pumps and motors, and are therefore able to pump the water that will be used for the water quality analysis. Therefore, no portable or temporary pumping equipment or piping should be necessary.

The volume of water removed from each well prior to sampling is should be at least three casing volumes, consistent with standard sampling protocol. This is accomplished by calculating the casing volume and then running the pump long enough to pump the required pre-sampling volume. This purges the well of water that may have been residing in it for some period of time, so that the sample collected for analysis will represent the current quality of the water being pumped from the underlying aquifer. A representative wellhead configuration for collection of water quality samples is shown in Figure 2.

Sampling is supplemented by field measurement of several indicator parameters that are collected during pumping, which ensures that water quality has stabilized prior to sample collection. An example of the recordation of field data is provided on the field ground water sampling form in Figure 3.

Once the samples are collected, they are to be sent or taken to a state-certified laboratory for analysis. The laboratory should be contacted to determine the volume of sample they will need to be provided in order to perform the required analyses. The laboratory should also be consulted with regard to proper “chain-of-custody” sample submittal forms, proper sample collection techniques, and suitable sample containers, to ensure that the sample is not contaminated during the sampling process.

Figure 1. Representative Method for Collecting Static Water Level Measurements

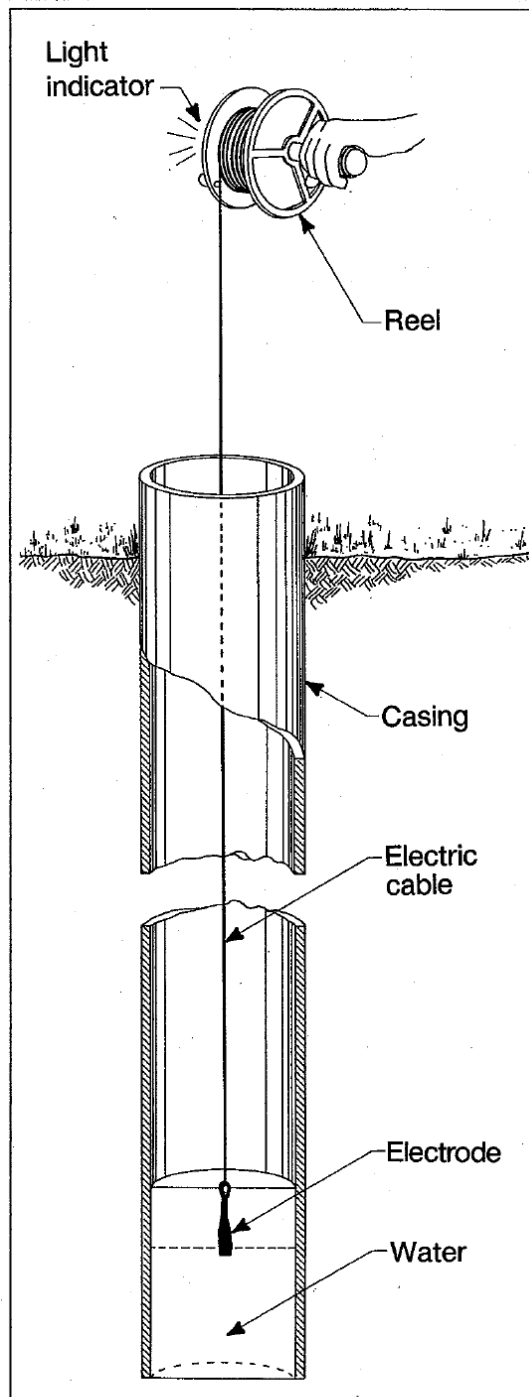


Figure 16.12. Electric sounder for measuring depth to water consists of electrode, two-wire cable, and a light which indicates a closed circuit when electrode touches water.

From: Groundwater and Wells 2nd Ed., 1986,
pg. 549.

Figure 2. Representative Wellhead Configuration for Water Quality Sample Collection

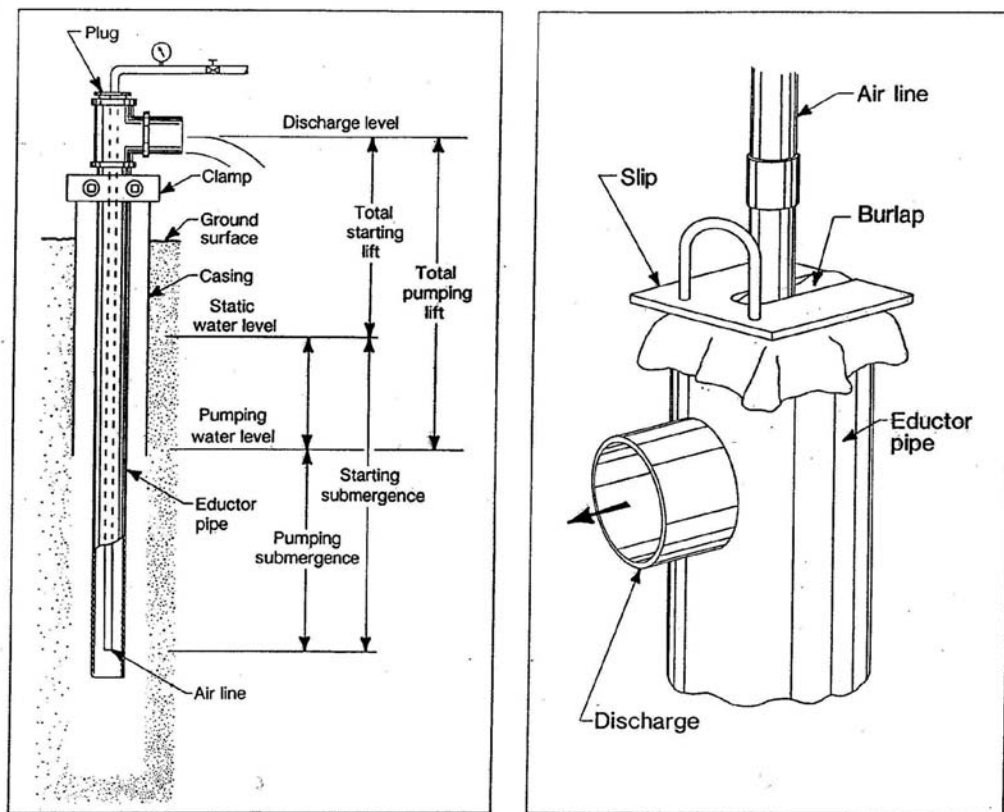


Figure 3. Example Ground Water Data Collection Form



MONTEREY PENINSULA
WATER MANAGEMENT DISTRICT

Joe [Signature]
(Signature)

Recorded by _____

GROUND-WATER SAMPLING FORM

Well No. PCA East - Deep 15S/1E-15K4

Well Type: Monitor Extraction Other _____

Well Material: PVC St. Steel Other _____

Date 10/24/2006 Time 1310 hr

Sampled by Jwo, TLL, TTC
(Initials)

WELL PURGING

PURGE VOLUME

Casing Diameter (D in inches):

2-inch 4-inch 6-inch Other _____

Total Depth of Casing (TD in feet BTOC): 710

Water Level Depth (WL in feet BTOC): 89.95

Number of Well Volumes to be purged (# Vols)

3 4 5 10 Other _____

PURGE VOLUME CALCULATION

$$\left(\frac{710 - 90}{\text{TD (feet)}} - \frac{90}{\text{WL (feet)}} \right) \times \frac{2^2}{D \text{ (inches)}} \times \frac{3}{\# \text{ Vols}} \times 0.0408 = \frac{304}{\text{Calculated Purge Volume}} \text{ gallons}$$

PURGE METHOD

Bailor - Type: _____

Submersible Centrifugal Bladder; Pump No.: _____

Other - Type: airlift - 185 H Sullair Compressor

PUMP INTAKE SETTING

Near Bottom Near Top Other bottom of air line

Depth in feet (BTOC): _____ Screen Interval in feet (BTOC):

from 650 to 700

PURGE TIME

1320 Start 1411 Stop 51 Elapsed

PURGE RATE

Initial 6+ gpm Final 6+ gpm

ACTUAL PURGE VOLUME

306+ gallons

FIELD PARAMETER MEASUREMENT

Minutes Since Pumping Began	pH	Cond. (µmhos/cm)	T <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F	Other	#gal	Minutes Since Pumping Began	pH	Cond. (µmhos/cm)	T <input type="checkbox"/> °C <input checked="" type="checkbox"/> °F	Other
1320	1	651	66	clr	6					
1335	15	614	72	"	90					
1345	25	577	74	"	150					
1400	40	710	76	"	240					
1411	51	714	76	"	306					

Observations During Purging (Well Condition, Turbidity, Color, Odor): slight H₂S odor after 90gal pumped.

Discharge Water Disposal: Sanitary Sewer Storm Sewer Other directed to swale away from wellhead.

WELL SAMPLING

SAMPLING METHOD

Bailor - Type: _____

Submersible Centrifugal Bladder; Pump No.: _____

Same As Above

Grab - Type: _____

Other - Type: _____

SAMPLE DISTRIBUTION

Sample Series: _____

Sample No.	Volume/Cont.	Analysis Requested	Preservatives	Lab	Comments
<u>- see chain-of-custody record sheet -</u>					

QUALITY CONTROL SAMPLES

Duplicate Samples		Blank Samples		Other Samples	
Original Sample No.	Duplicate Sample No.	Type	Sample No.	Type	Sample No.

ATTACHMENT B

Listing of the Water Quality Parameters for Which Annual Water Samples Must be Analyzed

The water quality constituents that must be measured and reported for the annual water quality analyses are:

Specific Conductance (micromhos/cm)
Total Alkalinity (as CaCO₃)
pH
Chloride
Sulfate
Ammonia Nitrogen (as NH₃)
Nitrate Nitrogen (as NO₃)
Total Organic Carbon
Calcium
Sodium
Magnesium
Potassium
Iron
Manganese
Orthophosphate
Total Dissolved Solids
Hardness (as CaCO₃)
Boron
Bromide
Fluoride

ATTACHMENT C

Authorization to Have the Watermaster Obtain Well Data

The following is an estimate of the costs the Watermaster anticipates incurring, if it is authorized to collect water level and water quality data from a water well located within the Seaside Groundwater Basin.

Monthly Water Levels - It is estimated that it will take approximately 0.5 hour/well to perform a water level measurement. This time estimate is based on the assumption that the water level measurements will be performed at the time that a field person is already out and about collecting data from other wells, and the fact that the distance between wells located within the Basin is not that great. This labor would be billed at the field rate of \$70/hr, so the estimated cost per water level measurement would be \$35.

The total estimated cost would be \$420 per year per well for 12 monthly measurements.

Annual Water Quality Sampling - Assuming that annual water sample collection would coincide with water level collection at a well, it is estimated that it will take approximately 0.5 hr to collect the water quality sample, including sampling time, bottle labeling, custody forms, delivery to laboratory, etc. There will also be an estimated 0.5 hr for receipt, review and computer entry of laboratory data, and an estimated \$200 per sample for the laboratory analysis. The sampling work would be billed at the field rate of \$70/hr, so the estimated cost per annual water quality sample would be \$70 for labor, and \$200 for laboratory services, for a total cost per sample of \$270. One sample is needed to represent water quality from the fall of 2007, and one for the fall of 2008, so two water quality samples will need to be collected and analyzed in 2008. The sample to represent 2007 water quality will be collected as soon as possible in 2008, most likely at the time the first water level measurement is made. The 2008 sample will be collected in the fall of 2008. Thereafter, only one sample per year will be required.

The total estimated cost for collecting and analyzing the two samples per well in 2008 is \$540.

Combined Water Level Measurements and Water Quality Sampling: For combined water level and water quality monitoring, the total estimated cost, per well, for the initial 12-month period is \$960.

I am the Party responsible for the well(s) described below, and I am empowered to provide this Authorization to the Seaside Groundwater Basin Watermaster. (List all wells to which this authorization applies).

Water System Name (if applicable): _____

Well Name: _____

Well Name: _____

Well Name: _____

I hereby authorize the Seaside Groundwater Basin Watermaster (Watermaster) and/or its agents to perform the services indicated below on my behalf. I agree to pay the Watermaster all of its reasonable costs incurred in the performance of this work. I agree to provide the Watermaster with reasonable access to the well(s) for the purpose of performing these services, and to provide such information and/or assistance as is requested by the Watermaster in order for the Watermaster to perform these services.

I have attached a check made out to the Seaside Groundwater Basin Watermaster in the appropriate amount (based on the estimated costs described on the preceding page) per well, as an advance payment toward the cost of annual collection of data on my well(s). Should the Watermaster's actual costs to perform these services differ from the amount of this advance payment, the Watermaster will either bill me for the additional amount owed, or will refund me the amount of overpayment, whichever is appropriate, at the end of the 12-month period for which these services will be provided.

Services to be Performed by the Seaside Groundwater Basin Watermaster

(Note: The well owner/operator should put a check mark in the box for each service it wishes the Watermaster to provide)

Visit each well site listed above once each month during calendar year 2008 and make a static water level measurement.

Visit each well site listed above twice during calendar year 2008 and collect and analyze one sample at each visit for water quality analysis.

Record and report the data obtained under items 1 and 2 in the Quarterly and/or Annual Reports the Watermaster prepares. Provide a copy of the information collected from the well owner's/operator's well to the well owner/operator.

Signed: _____ Date: _____
(Signature of Responsible Party)

Printed Name of Signatory: _____

ATTACHMENT C

**SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE**

DATE: January 1, 2008

RFS NO. 2009-01

(To be filled in by WATERMASTER)

TO: Curtis V. Weeks

FROM: Robert Jaques

PROFESSIONAL

WATER MASTER

Monterey County Water Resources Agency
General Manager

Technical Program Manager

Services Needed and Purpose:

Perform certain Tasks contained within the Watermaster's Monitoring and Management Plan for 2009
(See detailed Scope of Work in Attachment 1).

Completion Date: The work of this RFS No. 2009-01 shall be completed in accordance with the schedule
contained in Attachment 2.

Method of Compensation: Time and Expense Payment Method (As defined in Section V of
Agreement.)

Total Price Authorized by this RFS: \$ 13,455.00 (See Attachment 3 for a Breakdown of this Total
Price. Cost is authorized only when evidenced by signature below.)

Total Price may not be exceeded without prior written authorization by WATERMASTER in accordance
with Section V. COMPENSATION.

Requested by: _____

Date: _____

WATERMASTER Technical Program Manager

Authorized by: _____

Date: _____

WATERMASTER Chief Executive Officer

Agreed to by: _____

Date: _____

PROFESSIONAL

Monterey County Water Resources Agency General Manager

ATTACHMENT 1

Detailed Scope of Work for RFS No. 2009-01

Background:

The Watermaster Board approved the Budget for the 2009 Management and Monitoring Program Scope of Work (hereinafter referred to as the “2009 M&MP Scope of Work”) at its Special meeting of October 23, 2008. For reference purposes the complete 2009 M&MP Scope of Work is attached as Exhibit A to this Attachment 1.

This RFS No. 2009-01 authorizes PROFESSIONAL to perform certain work on certain of the Tasks described in the 2009 M&MP Scope of Work, as described in Table 1 of this Attachment No. 1. The Task numbers listed in this Detailed Scope of Work for RFS No. 2008-01 correspond to the Task numbers in the 2009 M&MP Scope of Work.

Table 1

M&MP TASK NO.	TASK DESCRIPTION	WORK TO BE PERFORMED
I. 2. a.1	Conduct ongoing data entry/ database maintenance	MPWMD will perform water level and water quality data entry into the database. PROFESSIONAL will periodically examine this data and will provide quality assurance and quality control assistance to MPWMD in the form of comments and suggestions. The database will be maintained by a separate consultant performing database maintenance work for WATERMASTER.
I. 2. b. 4.	Update Program Schedule and Standard Operating Procedures	PROFESSIONAL will conduct periodic reviews of the data collection program and provide to WATERMASTER any recommended improvements or modifications which PROFESSIONAL believes will be beneficial to the program. PROFESSIONAL will conduct these reviews and provide these recommendations at least twice during calendar year 2009. The recommendations may be provided in the form of a memorandum.

M&MP TASK NO.	TASK DESCRIPTION	WORK TO BE PERFORMED
I. 2. b. 6.	Reports	<p>MPWMD will prepare and submit the following reports to WATERMASTER summarizing and analyzing the data that is collected:</p> <ol style="list-style-type: none"> 3. Four quarterly reports summarizing and analyzing the water quality and water level data. 4. One annual report that contains tables consolidating the data from the quarterly reports and a narrative summarization of the findings, conclusions, and recommendations from the quarterly reports. This annual report may include, as attachments, each of the four quarterly reports. <p>PROFESSIONAL will review each of these reports and provide its comments and recommendations to WATERMASTER.</p>
I. 3. a	Enhanced Seaside Basin Groundwater Model	<p>During 2009 WATERMASTER intends to hire a Consultant to update the existing groundwater model for the Seaside Basin, and to use the updated model to evaluate various Basin management issues. PROFESSIONAL will assist WATERMASTER with this work by participating in meetings, providing information and data for the Consultant's use, and performing other related work as requested by WATERMASTER.</p>
I. 3. b.	Complete Preparation of Basin Management Action Plan	<p>During 2009 the Consultant hired by WATERMASTER in 2008 will complete preparation of the Basin Management Action Plan (BMAP). PROFESSIONAL will assist WATERMASTER with this work by participating in meetings, providing information and data for the Consultant's use, and performing other related work as requested by WATERMASTER.</p>
I. 4. a, b, and c	Perform Seawater Intrusion Analyses	<p>WATERMASTER will have a consultant perform analyses and prepare mapping and other documents pertaining to seawater intrusion detection. PROFESSIONAL will participate in meetings with the consultant during the course of its work, and will provide review comments and recommendations to WATERMASTER regarding this work as it is being carried out by the consultant.</p>
I. 4. d.	Complete Preparation of Seawater Intrusion Response Plan	<p>During 2009 the Consultant hired by WATERMASTER in 2008 will complete preparation of the Seawater Intrusion Response Plan (SIRP). PROFESSIONAL will assist WATERMASTER with this work by participating in meetings, providing information and data for the Consultant's use, and performing other related work as requested by WATERMASTER.</p>

Exhibit A

2009 M&MP Scope of Work

Seaside Groundwater Basin Management and Monitoring Program Anticipated 2009 Scope of Work

(Updated October 9, 2008)

The tasks outlined below are those that are anticipated to be performed during 2009. Some Tasks listed below were included in the Initial Phase 1 Scope of Work that was contained in the Implementation Plan prepared in March, 2007, and the Updated Phase 2 Scope of Work contained in the November, 2007 Annual Report. This is because some Tasks recur throughout the program. For instance, data collection and database entry are continuous activities that will occur throughout the program. Program Administration Tasks will also occur on a day-to-day, as needed basis throughout the program.

Within the context of this document the term "Consultant" refers either to a firm providing professional engineering or other types of technical services, or to the Monterey Peninsula Water Management District (MPWMD), or to the Monterey County Water Resources Agency (MCWRA). The term "Contractor" refers to a firm providing construction or field services such as well drilling, induction logging, or meter calibration.

M.1 Program Administration

M. 1. a. Project Budget and Controls	Consultants will provide monthly or bimonthly invoices to the Watermaster for work performed under their contracts with the Watermaster. Consultants will perform maintenance of their internal budgets and schedules, and management of their subconsultants. The Watermaster will perform management of its Consultants.
M. 1. b. Assist with Board and TAC Agendas	Watermaster staff will prepare Board and TAC meeting agenda materials. No assistance from Consultants is expected to be necessary to accomplish this Task.
M. 1. c. Preparation and Attendance of Meetings	<p>The Consultants' work will require internal meetings and possibly with outside governmental agencies and the public. For meetings with outside agencies, other Consultants, or any other parties which are necessary for the conduct of the work of their contracts, the Consultants will set up the meetings and prepare agendas and meeting minutes to facilitate the meetings. These may include planning and review meetings with Watermaster staff. The costs for these meetings will be included in their contracts, under the specific Tasks and/or subtasks to which the meetings relate. The only meeting costs that will be incurred under Task M.1.c will be:</p> <p>Those associated with attendance at TAC meetings, and</p> <p>From time-to-time when Watermaster staff asks Consultants to make presentations to the Watermaster Board and/or TAC.</p> <p>For TAC meetings appropriate Consultant representatives will attend the TAC meetings, but will not be asked to prepare agendas or meeting minutes. As necessary, Consultants may provide oral updates to their progress reports (prepared under Task M.1.d) at the TAC meetings.</p>
M. 1. d. Prepare Board/ TAC Status Updates and Reports	Consultants will provide written monthly progress reports to the Watermaster for inclusion in the agenda packets for the TAC meetings. These progress reports will typically include project progress that has been made, and problem identification and resolution.
M. 1. e. Peer Review of Documents and Reports	When requested by the Watermaster staff, Consultants may be asked to assist the TAC and the Watermaster staff with peer reviews of documents and reports prepared by various other Watermaster Consultants and/or entities.
M. 1. f. QA/QC	A Consultant (MPWMD) will provide general QA/QC support over the Seaside Basin Monitoring and Management Program.

I. 2 Comprehensive Basin Production, Water Level and Water Quality Monitoring Program

I. 2. a. Database Management

I. 2. a. 1	The database will be maintained by a Consultant performing this work for the Watermaster. Either one of the other Consultants or the Watermaster staff will enter new data into the consolidated database. Such data will include water production volumes, water quality and water level data, and such other data as may be appropriate.
Conduct Ongoing Data Entry/ Database Maintenance	
I. 2. a. 2	To ensure that water production data is accurate, all production well meters will be verified for accuracy during 2009. This work will either be performed by the well owner, and submitted to the Watermaster for review and acceptance, or performed by the Watermaster through a Contractor hired by the Watermaster. Performing this work "...as often as may be reasonable..." is required under the Amended Decision, on page 35, Section L.3.j.vii.
Verify Accuracy of Production Well Meters	

I. 2. b. Data Collection Program

I. 2. b. 1. Site Representation and Selection.	The monitoring well network review that was started in 2008 will be completed to select the specific site where an additional monitoring well will be installed to fill a data gap that was identified through the work performed in 2008. This new well will be used to develop additional data that will be beneficial to the management of the basin. The new well will be constructed under subtask I.2.b.5.
I. 2. b. 2. Collect Monthly Manual Water Levels.	Each of the monitoring wells will be visited on a monthly basis. Water levels will be determined by either taking manual water levels using an electric sounder, or by dataloggers, if it is determined that dataloggers are appropriate. It is expected that dataloggers, if used, will only be installed on the Coastal Sentinel monitoring wells, and that the other wells will be manually measured.
I. 2. b. 3. Collect Quarterly Water Quality Samples.	Water quality data will be collected quarterly from certain of the monitoring wells. This data may come from water quality samples that are taken from these wells and submitted to a State Certified analytic laboratory for general mineral and physical suite of analyses, or the data may come from induction logging of these wells and/or other data gathering techniques. The Consultant selected to perform this work will make this judgment based on consideration of costs and other factors.
I. 2. b. 4. Update Program Schedule and Standard Operating Procedures.	The TAC, with assistance from Consultants, will conduct periodic reviews of the data collection program and will recommend to the Watermaster improvements as warranted.
I. 2. b. 5. Monitor Well Construction	Similar to the approach taken in Phase 1 under Task I.1, the Watermaster will hire a Contractor to design and construct an additional monitoring well to fill a data gap in the existing monitoring well network. The work to select the site for this well will be performed under subtask I. 2. b. 1. Budgeting for this Task will be included in the M&MP 2009 Capital Budget.
I. 2. b. 6 Reports	The groundwater level and quality monitoring will be conducted on a monthly, quarterly, and annual basis, as described in the Contractor's Scope of Work. Reports summarizing data collected and analyzed will be submitted to the Watermaster on a schedule to be established during the year. Reports will include: <ul style="list-style-type: none">• Water Quality and Water Level Quarterly Reports• An Annual Water Quality and Water Level Report

I. 3 Basin Management

<p>I. 3. a. Enhanced Seaside Basin Groundwater Model</p>	<p>As a result of the data obtained during Phase 1, including constructing new coastal sentinel monitoring wells and developing a consolidated database of groundwater production, water levels, and water quality, it is concluded that at that time it was not necessary to develop a new Model. The basis for this decision was included in the Phase 1 documents submitted with the November 15, 2007 Annual Report. Preliminary conclusions from work performed on preparing the Basin Management Action Plan in 2008, along with comments and questions from Technical Advisory Committee and Board members, indicate that it will be desirable to update the existing Model during 2009, so that it can be used as more data becomes available.</p>
<p>I. 3.a.1 Update the Existing Model</p>	<p>The existing Model is described in the report titled "Groundwater Flow and Transport Model" dated October 1, 2007. The existing Model will be updated to address those issues discussed in the Memorandum from HydroMetrics titled "Ongoing Status of the Seaside Basin Groundwater Model" dated October 4, 2007, which are necessary to use the Model for the purposes described under tasks I.3.a.2 and I.3.a.3. This work will be done by a Consultant hired by the Watermaster. <u>[Note:</u> Both of the referenced documents were either discussed or contained in Attachment 11 of the Watermaster's "Annual Report – 2007."]</p>
<p>I. 3. a. 2 Develop Protective Water Levels</p>	<p>Use the updated Model to develop protective water levels for selected production wells, as well as for the Basin as a whole. This work will be done by a Consultant hired by the Watermaster. The general scope of work for this Task is outlined in HydroMetrics letter dated June 4, 2008 titled "Approach and Effort for Estimating Protective Groundwater Levels in the Seaside Basin."</p>
<p>I. 3. a. 3 Evaluate Replenishment Scenarios and Develop Answers to Basin Management Questions</p>	<p>Use the updated Model to evaluate different scenarios to determine such things as the most effective methods of using supplemental water sources to replenish the Basin and/or to assess the impacts of pumping redistribution. As desired and appropriate, use the updated Model to develop preliminary answers to other questions associated with Basin management. This work will be done by a Consultant hired by the Watermaster. The general scope of work for this Task is included in the scope described in HydroMetrics letter dated June 4, 2008 titled "Approach and Effort for Estimating Protective Groundwater Levels in the Seaside Basin."</p>

**I. 3. b.
Complete Preparation of Basin
Management Action Plan**

The Watermaster's Consultant hired in 2008 to prepare the Basin Management Action Plan (BMAP) has nearly completed preparing this document, and full completion is expected by spring of 2009. The completed BMAP will serve as the Watermaster's long-term seawater intrusion prevention plan. The BMAP addresses the topics described under subtasks I. 3. b. 1 and I. 3. b. 2, as well as other important Basin management topics. The Sections that will be included in the final BMAP are:

- Executive Summary
- Section 1 – Background and Purpose
- Section 2 – State of the Basin
- Section 3 – Supplemental Water Supplies
- Section 4 – Groundwater Management Actions
- Section 5 – Conclusions, Recommendations, and Implementation Plan

Drafts of each of these Sections were prepared in 2008, and will be finalized for inclusion in the Final BMAP in 2009.

The updated Supplemental Water Supplies analysis contained in Section 3 of the BMAP addresses the following:

- Updated status and review Of Monterey Peninsula Water Supply Projects
- Updated costs, schedules, permitting issues, and volumes of water that the Projects can supply
- Distribution and Delivery System/ End Use Consumer Improvements and Mandatory Conservation Efforts
- Non-Potable Water Resources
- Out-of-Basin Imports

Pumping redistribution strategies are discussed in Section 4 of the BMAP, and also in Section 4 of the Seawater Intrusion Response Plan (Section 4 listed under subtask I.4.d). This work addresses the following:

- Basin overdraft, mandatory GW reduction
- Salinity detection, mandatory GW reduction
- Reduced GW delivery impacts and solutions
- In Lieu, Voluntary pumping reductions
- Water Banking
- Salinity barrier system
- Pumping variability
- Storage capacity of the basin

Compliance with any CEQA issues which pertain to adoption and/or implementation of the BMAP will be carried out by a Consultant in conjunction with the adoption of the BMAP by the Watermaster Board of Directors. At this point it is assumed that only an Initial Study leading to a Negative Declaration will meet the CEQA requirements. If additional CEQA compliance work will be required, this will be determined once the Initial Study has been completed.

**I. 3. c.
Refine and/or Update the
Basin Management Action
Plan**

During 2009 it may be found beneficial or necessary to perform further, as yet undefined, work to refine the BMAP and/or to update it based on new data or knowledge that is gained during the year. Such work might involve issues pertaining to Basin storage capacity, water storage rights, or pumping redistribution strategies. This task is included primarily for budgeting purposes in the event such work is deemed necessary.

***I. 4 Seawater Intrusion Response Plan (formerly referred to as the Seawater
Intrusion Contingency Plan***

**I. 4. a.
Oversight of Seawater
Intrusion Detection and
Tracking**

A Consultant will provide general oversight over the Seawater Intrusion detection program.

**I. 4. b.
Analyze and Map Water
Quality from Coastal
Monitoring Wells**

Annual chloride concentration maps will be produced incorporating the data from the coastal wells. Data from the Phase 1 coastal sentinel wells will be used to develop time series graphs.

**I. 4. c.
Annual Report- Seawater
Intrusion Analysis**

At the end of each water year, a Consultant will reanalyze all water quality data. Semi-annual chloride concentration maps will be produced for each aquifer in the basin. Time series graphs, trilinear graphs, and stiff diagram comparisons will be updated with new data. The annual EM logs will be analyzed to identify changes in seawater wedge locations. All analyses will be incorporated into an annual report that follows the format of the initial, historical data report. Potential seawater intrusion will be highlighted in the report, and if necessary, recommendations will be included. The annual report will be submitted for review by the TAC and the Board. Modifications to the report will be incorporated based on input from these bodies, as well as Watermaster staff.

**I. 4. d
Complete Preparation of
Seawater Intrusion Response
Plan**

A detailed draft long-term Seawater Intrusion Response Plan (SIRP) has nearly been completed. The SIRP will be completed and approved by the Watermaster by the spring of 2009. The Sections that will be included in the final SIRP are:

- Executive Summary
- Section 1 – Background and Purpose
- Section 2 – Conformance with Other Documents
- Section 3 – Seawater Intrusion Indicators and Triggers
- Section 4 –Seawater Intrusion Contingency Actions

Compliance with any CEQA issues which pertain to adoption and/or implementation of the SIRP will be carried out in conjunction with the adoption of the SIRP by the Watermaster Board of Directors. At this point it is assumed that only an Initial Study leading to a Negative Declaration will meet the CEQA requirements. If additional CEQA compliance work will be required, this will be determined once the Initial Study has been completed.

**I. 4. e.
Refine and/or Update the
Seawater Intrusion Response
Plan**

During 2009 it may be found beneficial or necessary to perform further, as yet undefined, work to refine the SIRP and/or to update it based on new data or knowledge that is gained during the year. Such work might involve issues pertaining to seawater intrusion indicators/triggers or pumping redistribution strategies. This task is included primarily for budgeting purposes in the event such work is deemed necessary.

**I. 4. f.
If Seawater Intrusion is
Determined to be Occurring,
Implement Contingency
Response Plan**

The SIRP will be implemented if seawater intrusion, as defined in the Plan, is determined by the Watermaster to be occurring.

ATTACHMENT 2
SCHEDULE

(See Schedule contained in TAC Meeting Agenda Item No. 5. Once finalized, that Schedule will be inserted here)

ATTACHMENT 3
COSTS

ATTACHMENT 3 SUMMARY OF ESTIMATED COSTS

M&MP TASK NO.	LABOR HOURS		HOURLY RATE	SUPPLIES AND MATERIALS		TOTAL
	BREAKDOWN	TOTAL		BREAKDOWN	TOTAL	
I. 2. a. 1	4 Reviews @ 2 hrs/review	8	\$115	N/A	\$0	\$920
I. 2. b. 4.	Review twice @ 5 hours ea.	10	\$115	N/A	\$0	\$1,150
I. 2. b. 6	4 - quarterly reports @ 1 hr/report	4	\$115	N/A	\$0	\$460
	1- annual report @ 1 hr.	1	\$115	N/A	\$0	\$115
I. 3. a.	Meetings and coordination over 6 months @ 4 hrs./mo.	24	\$115	N/A	\$0	\$2,760
I. 3. b.	4 mo. @ 4 hrs/mo.	16	\$115	N/A	\$0	\$1,840
I. 4. a, b, and c	10 mo. @ 3 hrs/mo.	30	\$115	N/A	\$0	\$3,450
I. 4. d.	4 mo. @ 6 hrs/mo.	24	\$115	N/A	\$0	\$2,760

TOTAL ESTIMATED COST = \$13,455

Notes:

1. Vehicle mileage is included in the labor costs above.
2. Regardless of the use of the term "Estimated Cost" in this RFS, if the work of this RFS is to be compensated for using Lump Sum Payment method, it is understood and agreed to by PROFESSIONAL that the Total Price listed on page A-1 of this RFS is binding and limiting as defined in Section V of the Agreement.

ATTACHMENT D

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: 1/1/2009

RFS NO. 2009-01

(To be filled in by WATERMASTER)

TO: Derrick Williams
PROFESSIONAL

FROM: Robert Jaques

Services Needed and Purpose: See Scope of Work in Attachment 1.

Completion Date: All work of this RFS shall be completed not later than December 31, 2009, and shall be performed in accordance with the Schedule contained in Attachment 2.

Method of Compensation: Time and Materials (As defined in Section V of Agreement.)

Total Price Authorized by this RFS: \$ 78,920.00 (Cost is authorized only when evidenced by signature below.) (See Attachment 3 for Detailed Breakdown of Estimated Costs).

Total Price may not be exceeded without prior written authorization by WATERMASTER in accordance with Section V. COMPENSATION.

Requested by: _____ Date: _____
WATERMASTER Technical Program Manager

Authorized by: _____ Date: _____
WATERMASTER Chief Executive Officer

Agreed to by: _____ Date: _____
PROFESSIONAL

Note: Regardless of the use of the term "Estimated Cost" in this RFS, if the work of this RFS is to be compensated for using Lump Sum Payment method, it is understood and agreed to by PROFESSIONAL that the Total Price listed on page A-1 of this RFS is binding and limiting as defined in Section V of the Agreement.

ATTACHMENT 1

SCOPE OF WORK

The scope includes providing professional consulting services to WATERMASTER for:

- Completing the Basin Management Action Plan (BMAP) and the Seawater Intrusion Response Plan (SIRP), the preparation of both of which was authorized under RFS No. 2008-01
- Attending monthly WATERMASTER Technical Advisory Committee (TAC) meetings
- Preparing the 2009 Seawater Intrusion Analysis Report (SIAR).

A separate scope and cost proposal will be submitted for updating and running the groundwater model of the Seaside Groundwater Basin.

TASKS 1 & 2 COMPLETE BMAP AND SIRP

Under RFS No. 2008-01, work on the BMAP and SIRP started and was substantially completed in 2008. That work included providing a complete Final Draft of the SIRP to WATERMASTER in late November, 2008 for distribution to the Board in early December, 2008. The work under RFS No. 2008-01 will conclude with providing a complete Final Draft of the BMAP to WATERMASTER in late December, 2008 for distribution to the Board in early January, 2009.

Under this RFS No. 2009-01 the effort required to complete these two documents in early 2009 is limited to:

- Giving presentations to the Board
- Making edits based on comments received
- Preparing and producing 15 printed and bound copies of the Final BMAP, and a CD containing the entire document in MS Word
- Preparing and producing 15 printed and bound copies of the Final SIRP, and a CD containing the entire document in MS Word

TASK 3 PROVIDE HYDROGEOLOGIC CONSULTING SERVICES

On an ongoing and as-requested basis, PROFESSIONAL will provide general hydrogeologic consulting services to WATERMASTER on a variety of topics. These may include, but not be limited to, site selection and design considerations for new monitoring wells, interpretation of water level and water quality data collected by WATERMASTER, and BMAP and SIRP implementation issues.

Providing these services will likely involve attending certain of WATERMASTER's Technical Advisory Committee (TAC) meetings, most of which will be attended telephonically. These TAC meetings do not include special TAC or other meetings which may be required as part of performing groundwater modeling for WATERMASTER. The separate scope and cost proposal that will be submitted to WATERMASTER for updating and running the groundwater model will incorporate costs for these meetings.

TASK 4

PRODUCE THE 2009 SEAWATER INTRUSION ANALYSIS REPORT (SIAR)

To promote efficiency, much of the text and graphics from the 2008 SIAR will be incorporated directly into the 2009 SIAR. Changes that will be incorporated into the 2009 SIAR will include:

- Updating charts, graphs, and maps to reflect the most recent sampling and water level data.
- Analyzing the quarterly electric induction logs (EM logs) from the newly installed sentinel wells to look for evidence of seawater intrusion.
- Incorporating data from new wells which may be added to WATERMASTER's enhanced monitoring well network.

Preparing the 2009 SIAR will involve analyzing all water quality data at the end of Water Year 2009 (October 1, 2008 to September 30, 2009) and producing semi-annual (2nd and 4th quarters 2009) chloride concentration maps for each aquifer in the Basin. Time series graphs, trilinear graphs, and stiff diagram comparisons will be updated with new data. Second and fourth quarter groundwater elevation maps will also be produced. The annual EM logs will be analyzed to identify changes in seawater wedge locations. A determination of whether there is any evidence of seawater intrusion will be made, and recommendations will be included as warranted.

A Draft 2009 SIAR will be provided to WATERMASTER in electronic (not printed) form for review. WATERMASTER will provide its review comments and those of its TAC members through direct discussions with PROFESSIONAL at a TAC meeting. In addition to these oral comments, some TAC members may also provide recommended editorial changes electronically directly to PROFESSIONAL. These comments will be addressed in a Final 2009 SIAR. A CD containing an electronic version of the entire Final 2009 SIAR in MS Word and 15 printed and bound copies of the Final 2009 SIAR will be provided to WATERMASTER.

ATTACHMENT 2

**(See Schedule contained in TAC Meeting Agenda Item No. 5.
Once finalized, that Schedule will be inserted here)**

ATTACHMENT 3

DETAILED BREAKDOWN OF ESTIMATED COSTS

DETAILED BREAKDOWN OF ESTIMATED COSTS

HOURLY RATES:

Derrick Williams = \$180.00

Georgina King = \$160.00

Task	Hours		Costs			
	Derrick Williams	Georgina King	Derrick Williams	Georgina King	Expenses	Total Costs
Task 1: Complete BMAP						
Prepare Presentations for Up to Two Board Meetings	4	8	\$720	\$1,280	\$0	\$2,000
Attend Up to Two Board Meetings to Make Presentations	16	0	\$2,880	\$0	\$260	\$3,140
Make Edits and Prepare Final Report (15 hardcopies and CD)	2	6	\$360	\$960	\$1,500	\$2,820
Task 1 Total	22	14	\$3,960	\$2,240	\$1,760	\$7,960
Task 2: Complete SIRP						
Prepare Presentations for Up to Two Board Meetings	10	16	\$1,800	\$2,560	\$0	\$4,360
Attend Up to Two Board Meetings to Make Presentations	16	0	\$2,880	\$0	\$260	\$3,140
Make Edits and Prepare Final Report (15 hardcopies and CD)	10	18	\$1,800	\$2,880	\$1,500	\$6,180
Task 2 Total	36	34	\$6,480	\$5,440	\$1,760	\$13,680
Task 3: Provide Hydrogeologic Consulting Services						
General Consulting Services, including attending some TAC and other meetings either via telephone or in-person in Seaside, (all work under this Task as requested by WATERMASTER)	100	100	\$18,000	\$16,000	\$1,000	\$35,000
Task 3 Total	100	100	\$18,000	\$16,000	\$1,000	\$35,000
Task 4: 2009 Seawater Intrusion Analysis Report						
Produce 2009 SIAR	16	88	\$2,880	\$14,080	\$3,130	\$20,090
Attend One TAC Meeting in Seaside	10	0	\$1,800	\$0	\$130	\$2,190
Task 4 Total	26	88	\$4,680	\$14,080	\$3,260	\$22,280
TOTALS	184	236	\$33,120	\$37,760	\$7,780	\$78,920

ATTACHMENT E

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: 1/1/2009

RFS NO. 2009-01

(To be filled in by WATERMASTER)

TO: Martin Feeney
PROFESSIONAL

FROM: Robert Jaques
WATERMASTER

Services Needed and Purpose: Assist WATERMASTER with selection of site for design and construction of new monitoring well, as described in Attachment 1.

Completion Date: All work of this RFS shall be completed not later than December 31, 2009.

Method of Compensation: Time and Materials (As defined in Section V of Agreement.)

Total Price Authorized by this RFS: \$ 6,000.00 (Cost is authorized only when evidenced by signature below.) (See Attachment 1 for derivation of Estimated Costs).

Total Price may not be exceeded without prior written authorization by WATERMASTER in accordance with Section V. COMPENSATION.

Requested by: _____ Date: _____
WATERMASTER Technical Program Manager

Authorized by: _____ Date: _____
WATERMASTER Chief Executive Officer

Agreed to by: _____ Date: _____
PROFESSIONAL

Note: Regardless of the use of the term "Estimated Cost" in this RFS, if the work of this RFS is to be compensated for using Lump Sum Payment method, it is understood and agreed to by PROFESSIONAL that the Total Price listed on page A-1 of this RFS is binding and limiting as defined in Section V of the Agreement.

ATTACHMENT 1

SCOPE OF WORK AND ESTIMATED COSTS

BACKGROUND

The Watermaster Board approved the Budget for the 2009 Management and Monitoring Program Scope of Work (hereinafter referred to as the “2009 M&MP Scope of Work”) at its Special meeting of October 23, 2008. One of the activities included in the 2009 M&MP Scope of Work is to select a site for, and to design and construct, an additional monitoring well to fill a data gap in the existing monitoring well network.

WATERMASTER intends to issue a series of RFSs to PROFESSIONAL to assist with site selection, and to design and construct this additional monitoring well.

This RFS No. 2009-01 is the first in this series of RFSs, and is limited to providing assistance to WATERMASTER in selecting the optimum location for this new monitoring well.

WORK TO BE PERFORMED

Under RFS No. 2009-01, PROFESSIONAL will attend meetings, review documents, perform site visits, and other work as requested by WATERMASTER to assist WATERMASTER in selection of the site for the new monitoring well. Requests for assistance will normally be made by email or by telephone by WATERMASTER’s Technical Program Manager.

ESTIMATED COSTS

Since there is no detailed scope of work for this RFS, it is not possible to provide a detailed breakdown of estimated costs. Based on experience with selecting the sites for WATERMASTER’s Coastal Sentinel Wells in 2006 and 2007, it is estimated that PROFESSIONAL may provide up to 40 hours of time assisting WATERMASTER with the work to be performed under this RFS. At PROFESSIONAL’s hourly rate of \$150, this would amount to \$6,000. This serves as the basis for the Total Price set forth on page 1 of this RFS No. 2009-01.

**SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE**

***** AGENDA TRANSMITTAL FORM *****

MEETING DATE:	November 21, 2008
AGENDA ITEM:	5
AGENDA TITLE:	Schedule
PREPARED BY:	Robert Jaques, Technical Program Manager
SUMMARY:	<p>As a regular part of each monthly TAC meeting, I will provide the TAC with an updated Consultants Work Schedule of the activities being performed by the Watermaster's consultants and the public entities (MPWMD and MCWRA) that are performing certain portions of the work, and of the Critical Program Milestones Schedule.</p> <p>Attached is the Updated Consultants Work Schedule.</p>
ATTACHMENTS:	Updated Schedule of Consultants Work Activities
RECOMMENDED ACTION:	Provide Input to Technical Program Manager Regarding Any Corrections or Additions to This Schedule

Seaside Basin WaterMaster Monitoring and Management Program 2009 Work Schedule

ID	Task Name	2009												Jan	F					
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug							
55	Board Approval of Consultant Contracts for 2009				◆ 12/3															
56	IMPLEMENTATION																			
57	I.2.a DATABASE MANAGEMENT																			
58	I.2.a.1 Conduct Ongoing Data Entry/Database Maintenance																			
59	Perform Data Entry (Production, Level, and Quality)																			
60	Select New Database Host Site and Database Maintenance Firm				◆ 11/21															
61	Prepare and Issue Contract to New Database Maintenance Firm				◆ 11/26															
62	Install Database on New Host Site																			
63	Correct Deficiencies in Existing Database																			
64	I.2.a.2 Verify Accuracy of Production Meters																			
65	Determine Which Meters Require Calibration																			
66	Select Contractor to Perform Meter Calibration																			
67	Perform Meter Calibration and Report Results																			
68	I.2.b DATA COLLECTION PROGRAM																			
69	I.2.b.1 Site Selection for New Monitoring Well																			

Seaside Basin WaterMaster Monitoring and Management Program 2009 Work Schedule

ID	Task Name	2009												Jan	F					
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug			Sep	Oct	Nov	Dec	
70	I.2.b.5 Monitor Well Construction																			
71	Design, Permits, CEQA. And Approvals																			
72	Construction																			
73	I.3.a ENHANCED SEASIDE BASIN GROUNDWATER MODEL																			
74	I.3.a.1 Update the Existing Model																			
75	TAC Identifies Questions to be Answered by Updated Model																			
76	Board Concurs with Questions to be Answered by Updated Model, or Adds Additional Questions																			
77	Develop Scope of Work and Costs to Update the Model and Use it for Basin Management Purposes																			
78	TAC Approves Scope of Work and Costs to Update the Model and Use it for Basin Management Purposes																			
79	Board Approves Scope of Work and Costs to Update the Model and Use it for Basin Management Purposes																			
80	HydroMetrics Updates the Model																			
81	HydroMetrics Makes Summary Report to TAC on Updating of the Model																			
82	I.3.a.2 Develop Protective Water Levels																			
83	HydroMetrics Develops Protective Water Levels																			
84	HydroMetrics Makes Summary Report to TAC on Protective Water Levels																			

Seaside Basin WaterMaster Monitoring and Management Program 2009 Work Schedule

ID	Task Name	2009																	
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	F
99	Board Approves Annual Seawater Intrusion Analysis Report (SIAR)																		
100	I.4.d Complete Preparation of Seawater Intrusion Response Plan (SIRP)																		
101	HydroMetrics Makes Initial Presentation of Final Draft SIRP to Board for Action																		
102	HydroMetrics Makes Second Presentation (If Necessary) of Final Draft SIRP and Board Approves the SIRP																		
103	I.3.c Refine and/or Update the SIRP																		