

**Appendix C - San Bernardino Valley Municipal Water District
Usable Capacity and Safe Yield Study RFP**

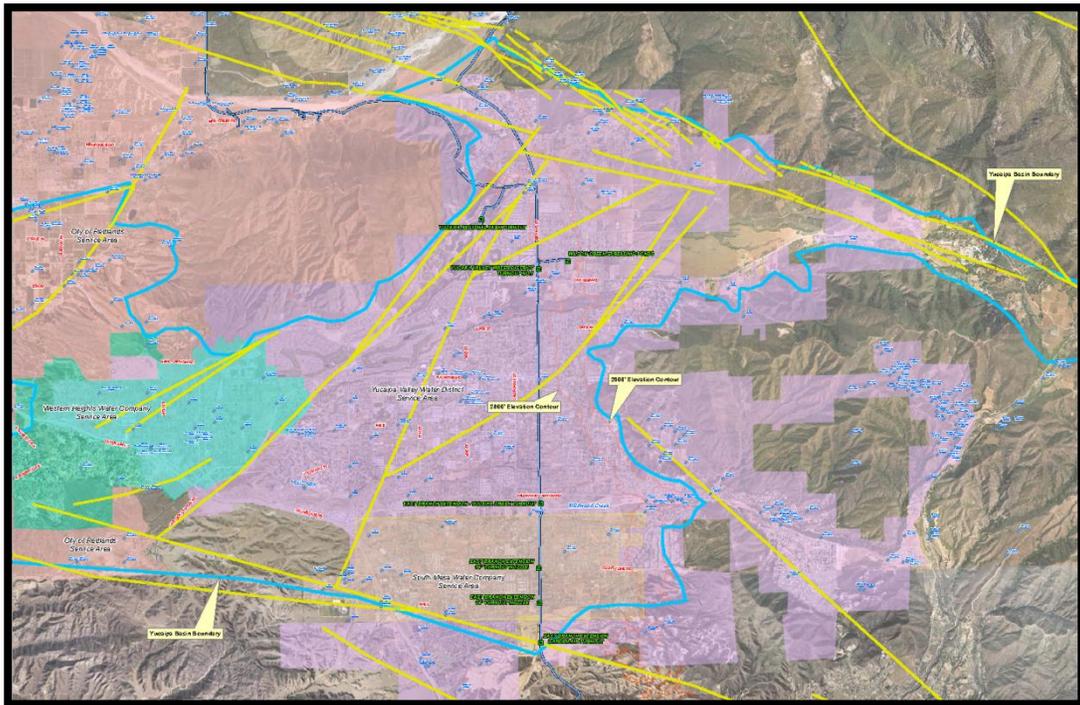
Request for Proposals

DETERMINE THE USABLE CAPACITY AND SAFE YIELD FOR
EACH SUB-BASIN WITHIN THE YUCAIPA BASIN AREA

San Bernardino Valley Municipal Water District

in partnership with:

City of Redlands
San Geronio Pass Water Agency
South Mesa Water Company
Western Heights Water Company
City of Yucaipa
Yucaipa Valley Water District



The Filing Deadline is:

June 29, 2012 4:00PM

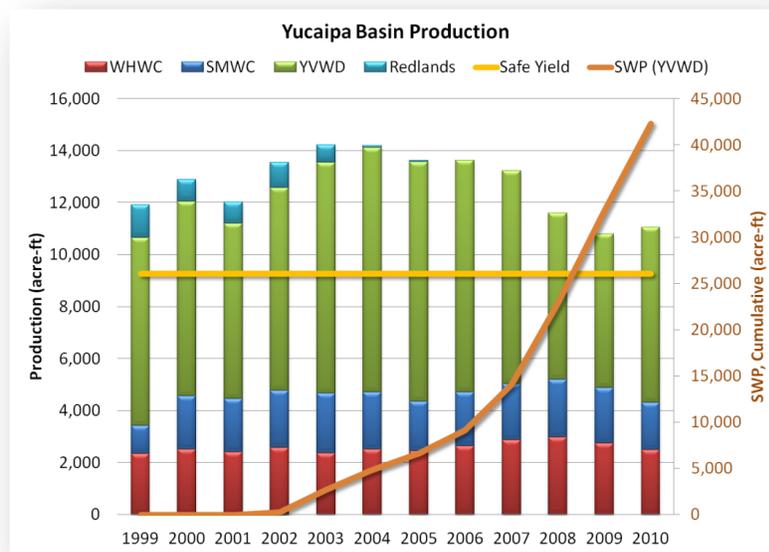
1) INTRODUCTION

The Yucaipa Basin Area (Basin) extends from the Crafton Hills and San Timoteo Badlands on the west to the Yucaipa Hills, San Gorgonio Mountains on the east and from the San Bernardino Mountains (Yucaipa Ridge) to the Banning Fault on the South. The Basin includes numerous faults that act as groundwater barriers, dividing the Basin into sub-basins. The South mesa Water Company, Western Heights Water Company and Yucaipa Valley Water District utilize the Basin resources to meet most, if not all of the water needs for their nearly 70,000 customers. In addition, the City of Redlands also pumps water from the Basin.

The United States Geological Survey (USGS) first studied the Basin in 1970 (see Appendix) and continues to study the Basin. The Basin was also studied by John Mann in 1986 and David Keith Todd in 1988. A summary of the safe yield value from various studies is included below:

| <i>Study</i> | <i>Safe Yield (acre-ft)</i> |
|--------------------------------------|-----------------------------|
| USGS (1970) | 7,000 |
| Mann (1986) | 10,634 |
| Todd (1988) | 7,910 |
| Mann and Todd, average (1990) | 9,270 |

In 1990, John Mann and David Keith Todd recommended using a working safe yield of 9,270 acre-feet which is the average of their independent safe yield estimates. Average extractions from the Basin for the period 1999 to 2010 have consistently exceeded the estimated safe yield (see below).



The water agencies realize that the current extractions from the Basin are not sustainable and have been meeting together to discuss management of this important resource.

The San Bernardino Valley Municipal Water District (Valley District) is a wholesale water agency and a Contractor for water from the State Water Project (State Water Contractor). Its boundary covers the eastern two-thirds of the San Bernardino Valley, the Crafton Hills, and the portion of Yucaipa north of the county line. The San Gorgonio Pass Water Agency (Pass Agency) is also a wholesale water agency and State Water Contractor and serves the portion of the water purveyors south of the county line. The retail water agencies have asked both wholesale water agencies to partner with them on this study.

Recently, Western Heights Water Company hired Geoscience Support Services, Inc. to evaluate the maximum perennial (safe) yield for the groundwater basin(s) within the Western Heights Water Company service area (WHWC Study). The results of the WHWC Study are to be incorporated into this proposed study so that there is no overlap in work. A copy of the proposal for the WHWC Study is included in the appendix.

2) PROPOSAL SCHEDULE

| <u>Date</u> | <u>Event</u> |
|-------------------|---|
| 5/21/12 | Release of Request for Proposal |
| 6/29/12 by 4:00pm | Deadline for Valley District Receipt of Proposals |
| 7/13/12 | Notice of Interviews (optional) |
| 7/19/12 | Interviews (optional) |
| 7/17 or 8/7/2012 | Board of Directors Approval |
| 7/18 or 8/8/2012 | Award Contract |

3) CONSULTING TEAM

Proposer (Consultant) is responsible for assembling a team which meets all of the requirements outlined in this RFP.

4) SCOPE OF SERVICES

Consultant will use existing data and studies to make an estimate of the usable capacity and safe yield for each sub-basin within the overall Basin. Consultant will review the sub-basin boundaries, as defined by previous studies, and use water levels and other data to confirm these boundaries or provide an alternative. Consultant will also incorporate the results of the existing WHWC Study. Should Consultant desire to modify the scope of work for the WHWC

Study, such suggested modifications must be clearly described within this proposal.

DELIVERABLE(S):

Report (100% and Final) summarizing the results of the usable capacity and safe yield estimates for each sub-basin including supporting figures, tables and all additional information and data supporting Consultant's findings. Once finalized, all electronic files must be submitted to Valley District in the latest editions of the following software programs: AutoCAD, Arc/Info, Microsoft Excel, Microsoft Word, Adobe Acrobat and Microsoft Project. No other electronic file format will be accepted without written approval from Valley District.

5) MEETINGS

Consultant will conduct all meetings necessary to complete this project.

6) PROJECT SCHEDULE

The proposal shall include a detailed, project schedule which shows the project tasks. The schedule will be reviewed and finalized with the Consultant prior to start of the project.

Once the schedule has been finalized, no extension will be allowed unless the extension has been requested, in writing, and approved by Valley District before a submittal deadline. Failure to submit required work by scheduled deadlines may result in cancellation of the remainder of the contract and all outstanding invoices. Should cancellation occur, all materials collected and/or developed during the process will become property of Valley District as stated in Valley District's standard agreement for consulting services.

7) PROPOSAL REQUIREMENTS

- a) **Body of the proposal** (may not exceed 8 pages in length with a minimum font size of 12 point)
 - i) Table of Contents
 - ii) Project Understanding. A clear statement of the project.
 - iii) Project Approach. The project approach shall include a detailed description of all the tasks needed for successful completion of the project and shall follow the general outline provided in the Scope of Services section above.
 - iv) Organizational chart illustrating the individuals who will actually work on the project complete with names, firm names, addresses, telephone numbers, email addresses and chain of responsibility (qualifications are to be provided in the appendix, see below).

- v) Project Schedule
 - vi) Any other information that may assist Valley District in making its determination in the selection process: Consultant is encouraged to include any other information that will help Valley District make its selection.
 - vii) Fee schedule: Fee schedule shall be organized to follow the general tasks in the Scope of Services. Services outlined in each proposal must comply with all requirements set forth in this RFP. The costs shall provide hourly rates and hours to complete each task, including sub consultants hourly rates and hours, and any other costs for a complete project. The level of effort and associated costs are to be easily understood by Valley District. Valley District accepts no responsibility for costs incurred by any individual or firm submitting a proposal pursuant to this RFP. The proposal must include a complete and fixed price. If the scope of services requires modification during the course of the work, Valley District will determine whether to amend the current agreement or to issue a subsequent RFP for additional services. The price specified must remain firm and irrevocable for 60 days following the RFP submission date. All proposals become property of Valley District and will not be returned.
- b) Appendix**
- i) Qualifications, licenses, certificates and resumes for all persons, including sub-consultants, that will actually work on the project. Please limit individual experience to similar projects. For each project used as experience, **highlight** the name(s) of each individual on the project team that is also proposed for this Project. Please include photograph(s) and reference(s) (be sure they are current).

Eight (8) hardcopies and one PDF copy of the proposal must be received by the filing deadline. Please submit your proposals to:

Bob Tincher
Manager of Engineering and Planning
San Bernardino Valley Municipal Water District
380 East Vanderbilt Way
San Bernardino, CA 92408

All questions regarding this RFP must be submitted in writing via email to the following email address: bobt@sbumwd.com. Answers will be sent via email to the entire distribution list for this RFP.

8) INTERVIEW

Interviews may be scheduled with select firms following initial review of the proposals and will take place on the date specified in the introduction. Interview must be

attended by the actual team members that will work on the project including any sub-consultants. The interview will consist of a 20-minute presentation by the project team followed by a 20-minute question and answer period.

9) EVALUATION PROCESS AND CRITERIA

Evaluation of proposals shall be based upon a competitive selection process. Review and evaluation of the submitted proposals will be based upon the following criteria:

- a) Project approach
- b) Experience on similar projects and/or projects of similar complexity and size.
- c) Demonstrated ability to perform the tasks outlined in this RFP efficiently and accurately.
- d) Proximity of firm/personnel to the work.
- e) Interview presentation.
- f) Fee (not an overriding consideration)

Valley District reserves the right to issue additional RFPs, to modify or to abandon this project before award of contract.

10) CONTRACT

A sample copy of Valley District's Standard Agreement for Consulting Services is attached for your review.

EXHIBITS

1. *Proposal for Geohydrologic Services to Determine the Maximum Perennial Yield of the Ground Water Basin within the Western Heights Water Company Service Area*, Geoscience Support Services, October 3, 2011.
2. Surface-Water and Ground-Water Quality in the Yucaipa Area, San Bernardino and Riverside Counties, California, 1996-98, United States Geological Survey Water-Resources Investigations Report 00-4269, Gregory O. Mendez, Wesley R. Danskin, and Carmen A. Burton, 2001.
3. Memorandum from Dr. John F. Mann, Jr. and Dr. David Keith Todd, January 23, 1990
4. Artificial Recharge Yucaipa, California, United States Geological Survey, Joe A. Moreland, August 7, 1970.

The EXHIBITS are available on the Valley District FTP site in a folder named "Yucaipa". The FTP instructions are as follows:

1. From any browser type: <ftp://logos.sbvmd.com>
2. username: sbvmwdftp
3. password: sbvmwdftp1

Sincerely,

Wesley R. Danskin

Wesley R. Danskin
Research Hydrologist