



UPPER VERDE RIVER WATERSHED PROTECTION COALITION TECHNICAL ADVISORY COMMITTEE (TAC) MEETING SUMMARY

Tuesday, January 15th, 2008 – 1:00 p.m.
Yavapai County Administrative Services Building, Gladys Gardner Room
1015 Fair Street – Prescott, Arizona

Attendees:

TAC members: John Munderloh, James Holt, Daniel Timmons (for Mark Holmes), and John Rasmussen

Program Management Team: Ed Muccillo, Rick Shroads, Bill Greenslade, and Keith Larson

Guests: Howard Mechanic, John Zambrano, Georgene Lockwood, Joanne Oellers, Candice McNulty, Dan Campbell, Jean Marie Hanley, Ken Janecek, and Joe Wenzel

Meeting Notes:

1) Review Previous TAC Meeting Notes

2) Potential Tasks

a) Website Management

- i) The goal of this task is to create a central website for the Coalition to accommodate public notices, meeting agendas, meeting minutes, schedule of meetings, reports, documents, position papers, and the names and contact information for key individuals, such as the Coalition Board, the Coalition Technical Advisory Committee (TAC), and the Program Manager. Additionally, the goal of this task is to transfer website management duties from the Town of Prescott Valley to the Program Manager.
- ii) The TAC agreed to recommend this task to the Board for approval.

b) Water Conservation Programs

- i) The goal of this task is to identify existing water conservation efforts currently underway within the region. Determine the effectiveness of these efforts, and to develop regional conservation plans and programs. A technical memorandum will be prepared. This scope of work will be completed within 35 weeks of authorization.
 - ii) The only concern raised while discussing this task was that the TAC did not want this to only be an assessment of existing conservation programs. The desire is for this task to recommend conservation programs on a regional level.
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- iii) The scope of work for this proposed task includes:
 - (1) Review and Evaluate Existing Programs
 - (2) Develop and Employ Metrics to Determine Program Effectiveness
 - (3) Write Technical Memorandum
 - (4) Identify Additional Regional Conservation Opportunities
 - (5) Develop Conservation Program Recommendations
 - (6) Write Final Project Report
 - iv) The TAC agreed to recommend this task to the Board for approval.
- c) **Hydrologic Monitoring**
- i) The overall goal of the monitoring task is to identify the key hydrologic data that controls baseflow in the Upper Verde River and to identify and monitor, to the extent possible, those hydrologic data that can be expected to vary in response to ground-water pumping in the Big Chino subbasin. This will help to identify any potential impacts of pumping, and help the Coalition develop mitigation strategies, which will help the Coalition with the ultimate goal of protecting the Upper Verde River. It is proposed to conduct the work in the following three (3) phases.
 - (a) Phase One: Identify and review current and planned monitoring networks and activities. Prioritize those networks and activities that relate most directly to potential changes in Upper Verde River baseflow.
 - (b) Phase Two: Meet with technical experts and key stakeholders to identify specific areas where additional monitoring would further the Coalition's goals. Gain agreement on specific monitoring activities that should be encouraged or pursued by the Coalition.
 - (c) Phase Three: Assist in implementing the agreed upon monitoring activities.
 - ii) This proposed task only includes Phase One. The scope of work for this proposed Phase One task includes:
 - (a) Identify and contact with monitoring interests in the region
 - (b) Conduct an initial prioritization of programs that are most likely to impact the Coalitions goals
 - (c) Identify technical experts and key stakeholders to review the initial prioritization and participate in the development of a final monitoring plan
 - iii) Daniel Timmons indicated his concern that this task needs to help prepare for future action, and not just be monitoring for monitoring's sake. The goal of this task was modified slightly to include language about mitigation strategies and working toward the ultimate goal of protecting the Upper Verde River as indicated above.
 - iv) The TAC agreed to recommend this task to the Board for approval.
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d) **Natural & Artificial Recharge Mapping**

- i) The initial RFQ package identified two separate recharge tasks, one focused on natural recharge and one addressing artificial recharge. The goal of the natural recharge task was to identify and protect existing natural recharge areas. The goal of the artificial recharge task was to develop additional artificial recharge sites. At the TAC meeting held on December 12, 2007, it was agreed that the initial work under both of the recharge tasks was to develop base maps of key information and parameters that pertain to both natural and artificial recharge tasks. The scope of work will be completed within 15 weeks of authorization, assuming monthly meetings with the TAC. A future phase will include analysis of the mapping to identify specific potential projects for artificial recharge and/or protection of natural recharge areas.
- ii) The scope of work for this proposed task includes the following:
 - (1) Compile data
 - (2) Develop preliminary base maps for presentation to the TAC.
 - (a) Phase 1 - Develop a base maps that cover the Upper Verde River Watershed and display key data at a scale that allows decisions to be made by the TAC about data and areas to be covered in more detail, and
 - (b) Phase 2 - Prepare selected, larger scale maps of areas that have a high level of interest for protection of natural recharge areas and/or location of artificial recharge sites.
 - (3) Based on the foregoing work tasks, prepare maps that show natural recharge areas and current and proposed land uses areas where soil permeability is favorable for artificial recharge.
- iii) Daniel Timmons indicated his concern that this task needs to help prepare for future action, and not just be mapping for mapping's sake. The goal of this task was modified slightly to include language about a future phase where specific potential projects would be identified as indicated above.
- iv) The TAC agreed to recommend this task to the Board for approval.

3) **Safe Yield – John Zambrano**

- a) John Zambrano presented recent correspondence between CWAG and ADWR regarding the definition of safe-yield, the quantification of natural recharge, compliance with safe-yield, and leadership.
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- b) John briefly reviewed the correspondence, and since the TAC had not had a chance to review it, it will be discussed at the next TAC Meeting. The correspondence will also be distributed to the Board for review at the next meeting.

4) Safe Yield TAC Workgroup

- a) The TAC began discussions on the formation of a Safe-Yield Workgroup. Howard Mechanic has submitted a number of suggestions to the TAC for consideration.
- b) The potential structure of the work group was discussed. However, it was decided that the majority of the February meeting would be dedicated to this topic. The consensus was that this issue was not ready to be submitted to the Board.

5) Next Meeting

- a) The next scheduled TAC meeting is on the February 13, 2008, at Yavapai County Administrative Services Building, Gladys Gardner Room, 1015 Fair Street, Prescott, Arizona, at 1:00 p.m., unless otherwise posted.
 - b) Topics recommended for the February TAC Meeting include:
 - i) Discuss Correspondence between CWAG and ADWR
 - ii) Discuss Educational Presentations Schedule
 - iii) Discuss Safe-Yield Workgroup
 - c) Topics recommended for the January Board Meeting include:
 - i) Recommended Tasks/Projects for Authorization
 - ii) Review Correspondence between CWAG and ADWR
 - d) Topics recommended for the February Board Meeting include:
 - i) Presentation on Habitat Conservation Plans
 - ii) Recommendation by TAC for Educational Presentations Schedule
 - iii) Recommendation by TAC for Safe-Yield Workgroup
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