

**TEHAMA COUNTY FLOOD CONTROL
&
WATER CONSERVATION DISTRICT
AB3030 TECHNICAL ADVISORY COMMITTEE
MINUTES OF DECEMBER 13, 2004**

Present: Gary Antone; Bill Richardson; Bob Steinacher; Walt Mansell; Kevin Borrer. Absent: Tom Heffernan; Jim Lowden; Roger Sherrill; Steve Kimbrough. Also present: Ernie Ohlin, Water Resources Manager and Doti Watkins, Transportation Planner.

1. **CALL TO ORDER:** The meeting was called to order at 2:04 p.m. by Chairman Gary Antone:
2. **INTRODUCTIONS:** Bill Clanton, Surrey Village; Lisa Johnson, Gerber Los Flores CSD; John Ayres, Bob Vince and Michelle Wilen of CDM; Carolyn Steffan, City of Tehama; Graham Dobson, NPS; Tom McCubbins, Tehama County RCD; Brad Long, Chris LaShane and Rick Beauchesne, Corps of Engineers, Black Butte Lake; Dan McManus, Jessica Salinas, Rick Louie and Pat Parsons, DWR; Shirley Wheeler, Mineral County Water District; Rick Louie, DWR; and Toccoy Dudley, DWR.
3. **MINUTES:** Motion by Kevin Borrer and Second by Bob Steinacher to approve the minutes of November 18, 2004. Carried 7-0 with 3 absent.
4. **SMALL WATER SYSTEM PUBLIC OUTREACH:** Ernie Ohlin reviewed that with the adoption of the AB3030 Groundwater Management Plan, Tehama County is pro-active in many areas such as groundwater monitoring, water quality issues and drought preparedness throughout the County. With grant money available through DWR, Flood Control has developed a project to identify small water districts in Tehama County and future drought potential.

Ernie Ohlin distributed the draft executive summary and thanked the stakeholders for attending and participating in the study. The available information for current and future owners will be invaluable for drought impacts throughout the area.

Doti Watkins explained the process of GIS and thanked DWR and the stakeholders for their time and effort in the project.

Bob Vince, John Ayres and Michelle Wilen of CDM presented an overview of the project and preliminary results of the survey. The purpose of the project is inventory, analysis and recommendations. Results are given three general categories of actions to reduce the potential for drought vulnerability, collection of additional data and a guide for future planning efforts.

Bob Vince reviewed the project purpose. The Inventory locations and extent of Small Water Systems (SWS), and to evaluate the relative degree to which SWS are reliant primarily to groundwater, may be at risk of supply shortages or impacts during drought.

John Ayres reviewed data collection management. Data collection began with SWS inventories. Contact with the Department of Health Services and Environmental Health was done to collect system names, contact information, and the number of sources available. With the list compiled, interviews with owners and operators of SWS began. Site visitation with the operators approval was completed and GPS was done at these locations. Of the gathered information input into a database, approximately 70% responded to the interviews, either in person on site, or on the phone. Only 55% of the total number of SWS sources were we able to gather coordinates.

Well logs were collected, mostly at the Environmental Health Department and Department of Health Services. The number of logs available was low. Supplemental research with the Department of Water Resources (DWR) using their database was completed . Of 173 SWS locations: 8% of the operator/owner declined to participate; 13% were unresponsive; and 8% were not available, possibly due to being out of business. Once collected the data was compiled into the GIS database.

Michelle Wilen discussed the methodology and results. Information gathered from interviews, County and State reference research, presented several different types of methodology and factors, such as source water, water conveyance and/or treatment capacity affecting the ability of a SWS operator to provide water to customers. Based on information, Tehama County source water was the major issue affecting drought vulnerability. Division of factors were identified into county factors, or area wide factors and small water system factors and how they were grouped. Other factors considered were Geology, areas of the County outside of the valley floor, spring/summer 2000 groundwater drawdown, agricultural/urban growth and changes in source water.

Results from SWS survey indicated some owner/operators had encountered past water supply problems either in general or in past drought periods and no remedy was done to their system for potential problems in the future. Hydrographs were examined from 1998 to 2004 to locate decreasing trends from spring to spring groundwater levels of greater than 5 feet. The last factor, derived from 1994 elevations, drawdowns of spring/summer 2000 and using GIS, provided elevation and where was this elevation was in comparison to the bottom of the SWS well. If the elevation was less than 80 ft. above the bottom of the well, the information from the system was carried forward in the analysis as a potentially drought vulnerable system. Ranking was done in three tiers. The first tier has the greatest predictor of potential for future drought vulnerability; tier two would be somewhere in the middle; and the third tier would be able to predict drought vulnerability themselves.

Discussion continued and Michelle Wilen reviewed findings in the Corning area of potential drought vulnerable SWS which met the criteria. They were: County Corner Mobile Home Park; Friendly Acres Mobile Home Park; Caltrans/Corning rest stop for north and south bound; Lazy Coral Mobile Home Park; Jehova's Witness Church; and Paskenta Municipal Service District.

Ernie Ohlin added that when examining rainfall associated with groundwater level, and whether or not groundwater continues to get deeper with more drawdown, it should be noted that in Tehama County, if we have had 100% of what is considered normal rainfall, the County has had less

groundwater in storage. Generally, 125% is needed in normal rainfall to increase storage.

Bob Vince stated that from the data compiled, three recommendations are available: 1). Deepen wells or connect to municipal supplies; 2). Collect more data; and 3). Use as guidance for future planning. Also indicated, within the basin portion of the County, a lack of potential supply is not a problem, but older systems, are due to insufficient infrastructure.

Bob Vince added that based on security concerns, the State is prohibiting disseminating of information on specific locations of small water systems. Certain information shown today, will not be available for distribution to the public as part of the report.

6. **AB303 GRANT APPLICATION UPDATE:** The grant for two multi-completion groundwater monitoring wells and data loggers was reviewed by Ernie Ohlin. Rick Louie of DWR added that 75 applications are being reviewed. The website has information on the schedule.

Gary Antone questioned if there was an increase in applications of this type and if they were becoming more competitive. Rick Louie answered the number has increased slightly and there is more money available this year.

Dan McManus added there were seven applications for the Northern District area compared to the five last year.

7. **SUN CITY WATER INVESTIGATION UPDATE:** Ernie Ohlin discussed the Del Webb development. The pilot well, 1600 ft. in depth, is complete and presently, twelve monitoring wells are being drilled to monitor water levels on the proposed golf course area. A 16 inch, 1600 ft. production well is proposed to be drilled to test pump and understand how it will impact the surrounding areas.
8. **MEETING DATES FOR 2005:** The schedule for 2005 meeting dates was presented for approval. The next schedule meeting is January 24, 2005 at 2:00 p.m. Motion by Bob Steinacher and Second by Kevin Borrer to approve the schedule of 2005 as presented. Carried 7-0 with 3 absent.
9. **ADJOURN:** With no further business, the meeting adjourned at 3:25 p.m.