

**Semitropic Water Storage District
Semitropic Groundwater Banking Project
Monitoring Committee**

Buena Vista Water Storage District
North Kern Water Storage District
Rosedale-Rio Bravo Water Storage District

Semitropic Water Storage District
Shafter-Wasco Irrigation District
Southern San Joaquin Municipal Utility District

April 7, 2016 – 10:00 a.m.
Semitropic Water Storage District Board Room

Draft Minutes

Meeting Attendance – A copy of the sign-in sheet is attached to these minutes. In particular, attendees included the following:

Craig Wallace, Semitropic WSD
Dana Munn, Shafter-Wasco ID
Isela Medina, Semitropic WSD
Ken Schmidt, Kenneth D. Schmidt and Associates
Ram Venkatesan, North Kern WSD
Ron Eid, GEI Consultants, Inc.
Jeff Kenney, Semitropic WSD
Rick Iger, Provost & Pritchard
Dick Diamond, North Kern WSD

By telephone:

Jason Pucheu, Poso Creek LLC
Sara Maatta, Alameda County WD
Doug Chun, Alameda County WD
Evan Buckland, Alameda County WD
Melih Ozbilgin, Santa Clara Valley WD

The meeting notes which follow are numbered to correspond with the Meeting Agenda (copy attached). The referenced handouts were distributed via e-mail on April 6, 2016.

1. The meeting was called to order at 10:02 am by Isela Medina at the offices of the Semitropic Water Storage District.
2. The Minutes for the last committee meeting on August 20, 2015 were distributed prior to the meeting via e-mail and copies were available at the meeting. No comments were noted.

- 3a. Alameda has advised Semitropic that it may deliver about 6,000 acre-feet in 2016 for banking. A tabular history of water banking activity through 2015 was provided (via e-mail).
- 3b. The return of banked water for 2015 totaled about 143,000 acre-feet and was curtailed early as a result of the downstream outage of the California Aqueduct. A copy of the 2015 recovery schedule was provided (via e-mail). May 1st is the deadline for return requests and, at this time, the total request for 2016 amounts to about 71,000 acre-feet, of which about 9,100 acre-feet has been returned.
- 3c. Ron Eid reported on the recently completed update of the groundwater model and the subsequent evaluation of the Groundwater Rule. It was recalled that the Groundwater Rule is evaluated by taking the difference between two simulations which rely on the groundwater model; one with the banking project and one without the banking project. These differences in water level (or head) are then averaged over a period of three years and contoured over the area of Semitropic and its immediate neighbors. The last modeling results were reported in the fall of 2014 and two figures were reviewed; one for the three-year period 2011 through 2013 and one for 2012 through 2014. In both cases, the difference contours indicated compliance with the Groundwater Rule. It was noted that the 2012-2014 period used 2013 operations as a surrogate for 2014 data which were not available at the time. The third figure, also for 2012-2014, was prepared recently and was based on the use of actual operations data for 2014, and it was observed that this figure compared favorably with the projection which was made in fall 2014. The updated model was also used to evaluate 2013-2015, with 2014 data used as a surrogate for 2015 data (which were not available when the model update commenced in fall 2015). The results were presented on the fourth figure, which also indicated compliance with the Groundwater Rule.
- 4a. Improvements have been completed which increase the reverse-flow pumping capacity on the Pond-Poso Canal by 100 cfs and increase the capacity of the District's raw water processing facility from 150 cfs to 300 cfs (with the ability to expand to 450 cfs in the future). Together, these improvements increase Semitropic's ability to return water to the Aqueduct via the Junction Pumping Plant from 200 to 300 cfs.
- 5a. The Aqueduct outage resulted in the termination of pumpback operations on January 3rd. Semitropic collected spring 2016 groundwater-level measurements in February.
- Ken Schmidt reviewed two maps showing contours of groundwater elevation; Spring 2015 (Upper Zone); and Spring 2015 (Lower Zone and Forebay). In addition, Ken reviewed a groundwater elevation change map for Spring 1995 to Spring 2015. Copies were provided via e-mail.
- 5b. Water-level hydrographs from the Semitropic's monitor wells, updated through March 2016, were made available (via e-mail) and reviewed.

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- 5c. Semitropic commenced annual sampling in February and intends to sample about one-third of the wells which are used for pumpback each year. This implies that about 130 wells will be sampled each year.
 - 5d. It was reported that manual observations have indicated subsidence of about 0.25 inches from August 2015 to December 2015. No subsidence has been indicated since December 2015. Improvements to the building which houses the extensometer have been made to reduce the vandalism that has been experienced.
 - 6a. Ken Schmidt reported that the 2009-2010 biennial monitoring report is complete except for a couple of missing items for Shafter-Wasco ID, Buena Vista WSD, and Southern San Joaquin MUD. With receipt of the missing items, this report could be complete by the end of April.
 - 6b. Ken Schmidt reported that the water-level contour maps have been prepared for the 2011-2012 biennial monitoring report. Ken will provide a list of district-by-district data needs.
 7. It was noted that discussions have been ongoing with regard to Southern San Joaquin MUD becoming a participant in the Poso Creek RWMG. It was also noted that a partial grant award was made to North Kern and Lost Hills CSD during the last round of Prop. 84 grant awards.
 8. A Treasurer's Report through March 31, 2016 was distributed.
 9. None.
 10. The next meeting of the Committee was set for July 21, 2016 at 10:00 a.m. at the offices of Semitropic Water Storage District.
 11. The meeting was adjourned at 11:02 a.m.
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Sign-in Sheet

<u>Name</u>	<u>Representing</u>
<u>Isele Medina</u>	<u>SWSD</u>
<u>Jeff Kenney</u>	<u>SWSID</u>
<u>Ker Schmitt</u>	<u>GIS to SWSD</u>
<u>Ron Eid</u>	<u>GEI</u>
<u>Rick Iser</u>	<u>Provost & Pritchard</u>
<u>DANA MUMM</u>	<u>SWID</u>
<u>Praj Wallace</u>	<u>SWSID</u>
<u>Nick Neaman</u>	<u>NKWSID</u>
<u>Ram Venkatesan</u>	<u>NKWSID</u>
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Per Conference Call:

Sign-in Sheet

<u>Name</u>	<u>Representing</u>
<u>Doag Chun</u>	<u>Alameda</u>
<u>Jason Pucheu</u>	<u>Poso Creek</u>
<u>Sara Maatta</u>	<u>Alameda</u>
<u>Melih Ozbilgin</u>	<u>Santa Clara</u>
<u>Evan Buckland</u>	<u>Alameda</u>
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