



Aquatic, Water Quality, Geomorphology,  
& Hydrology Resources

## Technical Working Group Meeting

**Date:**

**Time:**

**Location:**

**Directions**

**Parking:**

**Discussion Topic:**

**Agenda**

**Attendees**

**Summary**

**Handouts, Attachments & Presentations**

## **Directions to SMUD's Customer Service Center**

SMUD has two four-story buildings located adjacent to Highway 50 on the north side, between 59th Street exit and 65th Street exit. The Customer Service Center (CSC) is the newer building of the two located at 6301 S Street, and houses the Rubicon Room, Forestview 1,2, & 3, Sequoia 1,2,& 3, Timberline 1,2, & 3, and the HRL Conference Room located on the third floor (Northwest wing). The Headquarters building is located at 6201 S Street, directly west of the CSC. It houses the Headquarters' Customer Center (HCC), the Auditorium and several other conference rooms.

The Field Reporting Facility (aka FRF) is located behind the SMUD Headquarters building: go under the Light Rail overpass, then to the left about 150 yards.

Directions:

**Heading East:** From downtown Sacramento, head east on Highway 50, exit at **59th Street**. This exit will take you up-and-over Highway 50. Go straight at the first intersection, travel about a half mile. On your left (north) is the SMUD Headquarters building, the next building is the Customer Service Center.

**Heading West:** From Placerville, take Highway 50 to Sacramento and exit at **65th Street**. Go straight about one block after the first intersection. The Customer Service Center is the four-story building on your right (north).

You should be able to find parking spaces for visitors located in the area between the two buildings. There is also parking available in a parking lot on Folsom Blvd. behind the SMUD complex.

If you need assistance to find the Rubicon Room, Timberline 1,2,& 3, Sequoia 1,2,& 3, Forestview 1,2, & 3, and the Hydro Relicensing's Conference Room located on the third floor of the Northwest wing, see the guard at the lobby desk. The Headquarters Customer Center (HCC) room is located in the Headquarters building opposite the board of directors Auditorium in the first floor. Drive Safely.

**Note:** *Downloadable maps can be found at [hydrorelicensing.smud.org/meetings/meet\\_loc.htm](http://hydrorelicensing.smud.org/meetings/meet_loc.htm)*

# SMUD HEADQUARTERS AND CUSTOMER SERVICE CENTER

## Relicensing Parking Lot Locations



**Sacramento Municipal Utility District (SMUD)  
Upper American River Project (UARP) Hydro Relicensing Project**

**Aquatic Resources, Water Quality, Geomorphology and Hydrology  
Technical Work Group Meeting**

**Sacramento Municipal Utility District (SMUD)  
Customer Service Center (CSC) Sequoia 2 & 3  
6301 "S" Street Sacramento, California**

**September 19, 2003  
9:00 a.m. - 1:00 p.m.**

**Agenda**

<b>Time</b>	<b>Topic</b>
9:00 a.m.	Introductions
9:05	Review meeting agenda
9:10	Key and timely issues/Approve meeting summary from August 26.
9:30	Overarching Study Plan (Action: plan discussion and consideration for approval)
11:00	Break
11:15	SFAR Instream Flow and Fluctuation Study Plan (Action: plan discussion and consideration for approval)
1:00 p.m.	Adjourn

**UARP Hydro Relicensing****Aquatic/Water Quality/Hydrology/Geomorphology Technical Working Group**

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**Upper American River Project (UARP)  
Aquatic/Water Quality/Geomorphology/Hydrology Resources Technical  
Working Group (TWG) Meeting Summary**

**September 19, 2003 9:00 a.m. to 1:00 p.m.**

**Sacramento Municipal Utility District (SMUD)  
Customer Service Center (CSC), Sequoia 2 & 3  
6301 "S" Street, Sacramento, California**

**Summary**

The Aquatic/Water Quality/Geomorphology/Hydrology ("Aquatic") Resources Technical Working Group (TWG) met on September 19, 2003 at the at SMUD's Customer Service Center (CSC). Participants included:

- Beth Paulson, US Forest Service (USFS)
- Bill Center, American River Recreation Association and Camp Lotus
- Carson Cox, California Department of Fish and Game (CDFG)
- Dave Hanson, Sacramento Municipal Utility District (SMUD)
- Ed Cheslak, Pacific Gas and Electric (PG&E)
- Jim Lynch, Devine Tarbell and Associates, Inc. (DTA)
- Lon Maier, SMUD
- Marie Rainwater, Rainwater and Associates, LLC (facilitator)
- Mike Carbiener, PG&E
- Paul Kubicek, PG&E
- Peggy Cranston, US Bureau of Land Management (BLM)
- Robert Hughes, CDFG
- Scott Wilcox, Stillwater Sciences
- Sharon Stohrer, California State Water Resources Control Board (SWRCB)

The Aquatic TWG met to accomplish the following tasks:

1. Review agenda
2. Discuss key and timely issues
3. Approve meeting summary from August 26, 2003
4. Discuss and consider for approval the Overarching Streamflow Study Plan
5. Discuss and consider for approval the SFAR Instream Flow and Fluctuation Study Plan

During the meeting, the following topics/questions were addressed.

**Review agenda.** All agenda items were completed.

**Key and timely issues.** None.

**Approve meeting summary.** The meeting summary from August 26, 2003 was approved with one minor edit (literature regarding flow effects on macroinvertebrates will be provided to CDFG).

**Discuss and consider for approval the Overarching Streamflow Study Plan.** With minor revisions, the Overarching Streamflow Study Plan was approved by the TWG participants. **Agreement:** This document will be presented to the Plenary Group on October 1, 2003 for consideration of approval.

**SFAR Instream Flow and Fluctuation Study Plan discussion.** This study plan was discussed at the September 8, 2003 Aquatic TWG meeting, with all attendees present in agreement with the study plan. Continued discussion included the following:

- Use of hyporheic zone by macroinvertebrates (e.g., effects of 1500 cfs flows).
- Species composition changes from thalweg to stream edge.
- Effects of magnitude and variation of flow on macroinvertebrates, including tributary and backwater habitats.
- Excessively high flows (aka “Disneyland flows”) are not addressed in the plan.
- Zones of macroinvertebrate populations not wetted for three or four consecutive days.
- The body of data is at this time scarce and obscure. Questions being asked do not have good answers due to lack of knowledge.
- Wet and dry year analyses
- Hydraulic modeling in wetted areas relative to change in base flows.

**Agreement:** Participants agreed to approve the study plan as revised. It was also suggested that one or more opportunities be offered to participants, such as site visits, data analysis workshops or other means of checking progress of work.

The study plan will be presented to the October 1, 2003 Plenary Group for consideration of approval.

**Future meetings and agenda:**

Date	Subject(s)	Location
October 2, 2003	HSC discussion and approval of curves	White Rock room
October 30, 2003	Open agenda	Sequoia 2 & 3
November 6, 2003	Open agenda	Forestview 1 & 2

Meeting dates and locations may also be found on SMUD’s web page at <http://www.smud.org/relicensing/index.html>

**Ongoing commitments:**

- Field schedules will be provided to the TWG on a monthly basis. The schedules are tentative. Contact Lonn Maier if attendance is desired for any of the fieldwork underway.

- SMUD will advise participants of any particular focus that an upcoming meeting may have, and develop an agenda for the meeting.
- SMUD commits to sending out draft study plans at least five working days before meeting to discuss the plans.

**Attachment available with this summary:**

- SFAR Instream Flow and Fluctuation Study Plan
- Overarching Streamflow Study Plan

Attachments are available on the SMUD UARP “Bulletin Board” located at <http://eurekasw.sharepoint.bcentral.com/uarp/>

If you would like copies of any past document, please e-mail [Imaier@smud.org](mailto:Imaier@smud.org) with your request or visit the SMUD relicensing web page at <http://www.smud.org/relicensing/index.html>.

These summaries are not intended to be a transcript of the meeting, but only to serve as a brief synopsis. Please provide any comments you may have regarding these summaries to [Imaier@smud.org](mailto:Imaier@smud.org)