

AEG San Francisco Section meeting – June 2006

Agenda Restaurant, San Jose, CA
Tuesday, June 13, 2006

Groundwater basin recovery in urban areas and implications for engineering projects

Presented by Jennifer Dean, PG, Geologist, Bechtel National, Inc.

Abstract

In urban environments around the world, groundwater levels previously lowered by groundwater abstraction have begun to rise as a result of increased groundwater use controls, reduced abstraction by industry, and artificial recharge. These rising groundwater levels are a potential source of problems for existing structures and create added complexity for projects currently being planned.

The phenomenon of variable groundwater levels over time can also be found within urban environments around the world. There are many factors that can affect the hydrogeologic regime of an area. An awareness of the historical hydrogeologic regime is important for projects located within these areas. London, UK, San Jose, CA and Las Vegas, NV are three examples of urban areas experiencing changing groundwater levels.

This talk will highlight the importance of developing “maximum credible water levels” for engineering projects within the context of the London, Santa Clara and Las Vegas groundwater basins. The selection of a “maximum credible water level” would result in a selection of groundwater levels to be expected throughout the design life of the project, reducing long-term risk associated with rising groundwater levels.

Biography

Jennifer Dean is an engineering geologist with Bechtel National Inc. She received her BS in geology from the University of California at Santa Barbara and an MSc in Engineering Geology from the University of London, at Imperial College. She is a registered Professional Geologist (PG) in California. Jennifer Dean has over 8 years of experience working as geologist in California through positions as a petroleum geologist and more recently as an engineering geologist. She has encountered the subject of rising groundwater in urban areas through both her studies in London and work on projects with Bechtel National, Inc.

*****Meeting details and reservation form on the following 2 pages*****

Meeting Details

Agenda Restaurant, 399 S. 1st Street, San Jose, CA
(venue phone 408-287-3991)

Tuesday, June 13, 2006

6PM - Social hour and sign-in

7PM – Dinner and announcements

8PM – Speaker

Cost* - \$35 (pre-registered members), \$ 40 (pre-registered non-members), \$45 (walk-ins*), \$15 (students)

* Walk-ins – seating space/meal choice is not guaranteed – please make a reservation.

Please make your reservation as soon as possible.

To make a reservation, contact Sachiko Tanikawa (fax reservation form or e-mail your reservation and meal choice)

fax: 510-268-5099

e-mail: treasurer@aegsf.org

******Please select a meal choice when making a reservation. The choices are chicken (herb roasted chicken), salmon (pan roasted salmon), or pasta (wild mushroom ravioli) ******

The deadline for reservations is NOON on FRIDAY, June 9th.

After this date, reservations cannot be guaranteed.

Please make your reservation as soon as possible.

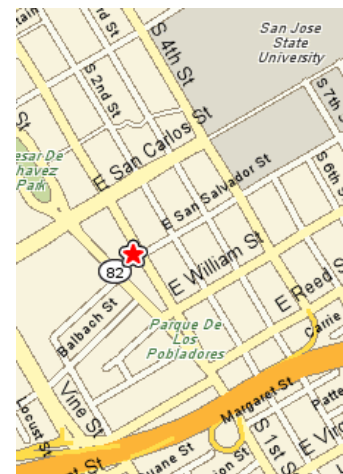
For financial reasons, meeting no-shows and late cancellations will be charged.

Driving Directions and Parking:

From Highway 280 in San Jose: Take the 7th Street exit and go north. Turn left on San Salvador (at San Jose State University) and proceed to 1st Street. Agenda is on the corner of San Salvador and 1st.

Free street parking after 6 pm and also at the following parking garage (about 2½-block walk): From San Salvador, proceed north on 3rd Street past San Carlos and immediately pull into the parking garage on the left (at Camera Cinema). Parking is free on weekdays after 6:00 pm (take your parking ticket with you). Walk to the corner of San Carlos and 1st Street. Cross 1st Street and San Carlos (you'll be outside of Original Joe's) and walk south for one block.

Paid parking (about a ½-block walk): From San Salvador, proceed north on 3rd Street and turn left on San Carlos and left again on 2nd Street. Pull into the parking lot on the right about halfway down the block. Walk to 1st Street and turn left (south) to walk to the restaurant.



Reservation Form (for Sachiko Tanikawa)

Fax: (510) 268 - 5099

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Name _____

Student? _____

Circle one: **Chicken** **Salmon** **Pasta**

Email or Phone number _____

Name _____

Student? _____

Circle one: **Chicken** **Salmon** **Pasta**

Email or Phone number _____

Name _____

Student? _____

Circle one: **Chicken** **Salmon** **Pasta**

Email or Phone number _____
