AEG Sacramento Section

Tuesday, June 26, 2012

Location: Cattlemens Restaurant
12409 Folsom Blvd, Rancho Cordova, CA 95742
Lots of free parking!  

Link to map

Speaker: William (Bill) V. McCormick, Kleinfelder.

Topic: “Geology and Geohazards of Alcatraz Island (and other cool behind the scenes pictures)"

Agenda:
5:30-6:30pm – Social hour and student posters
6:30-7:30pm – Dinner
7:30-8:30pm – Speaker
8:30-8:45pm – Questions

Meeting Cost: $28 members (with RSVP) and $33 non-members
There will be a $3 surcharge for no RSVP
$5 students (no surcharge for student walk-ins)
Student Sponsorships welcomed! Sponsor a student for $20

Please select your meal choice when you RSVP
(see next page for choices)

You may RSVP by going to -- http://www.aegsacto.org or by sending an email to: Tim.McCrink@conservation.ca.gov
Cattlemens Restaurant
12409 Folsom Blvd
Rancho Cordova, CA

Menu choices
(please select one when you RSVP)
All selections include a Baked Potato, Seasonal Vegetables,
All-You-Can-Eat Salad, Sourdough Bread, Ranch Style Beans, Coffee or Tea

**TERIYAKI CHICKEN**
A TENDER FULL CHICKEN BREAST MARINATED IN CATTLEMENS’ OWN HOMEMADE TERIYAKI SAUCE.

**BROILED TOP SIRLOIN STEAK**
A FLAVORFUL HARRIS RANCH 10 OZ SIRLOIN STEAK, AGED TO PERFECTION, AND HAND-CUT ON THE PREMISES.

**GRILLED ATLANTIC SALMON**
10 OZ. FILLET OF SALMON GRILLED TO PERFECTION SERVED WITH A SIDE OF CREAMY DILL SAUCE AND FRESH LEMON

**PESTO SPINACH & CHEESE RAVIOLI**
10 JUMBO SPINACH AND RICOTTA CHEESE RAVIOLIS, SERVED WITH OUR HOMEMADE PESTO SAUCE
Speaker for AEG Sacramento Section – June 26, 2012

Geology and Geohazards of Alcatraz Island
(and other cool behind the scenes pictures)

William V. McCormick, PG, CEG
Principal Engineering Geologist, Kleinfelder

The history of Alcatraz Island in San Francisco Bay is an intriguing story starting with its Spanish discovery in 1769, construction and occupation as a US Army fortress to protect the bay in the 1850’s, additional use as a military prison from the 1860’s, a federal prison from 1933-63, Native American occupation in 1969 to protected National Park in 1973. Geologically and culturally speaking, the island has been referred to as “The Rock”, or a nondescript mass of Cretaceous greywacke sandstone. With the passage of time, un-engineered cut and fill slopes and steep perimeter coastal bluffs have eroded and failed, adding to the demise of historic improvements on the site. Kleinfelder was charged with performing the first comprehensive geologic hazards study of the island to assess the geologic character of the island, identify geologic hazards, shoreline erosion processes and to rank the relative risk of these hazards as it relates to existing structures and public safety. Detailed geologic mapping of the site discovered previously undocumented bedrock faults, “younger” unconformable terrace deposits as well as many areas of adverse-dip wedge and rockfall hazards. This talk highlights the importance of “good old-fashioned” engineering geologic mapping to produce a useful geologic base reference and a geotechnical risk document that can be used by the NPS to prioritize areas of risk for future study, mitigation for preservation and protection of public safety. It also has some pretty cool “behind and under the scenes” photos not available to the general public.

William (Bill) V. McCormick is a Principal Engineering Geologist with Kleinfelder in the Santa Rosa office. Bill received his Bachelors and Masters degrees in Geology from San Diego State University. In addition, Bill is a California Professional Geologist and Certified Engineering Geologist, with over 25 years of geologic/geotechnical and emergency response in Northern California. Bill has published numerous papers on landslide/geologic hazards assessment and mitigation and currently resides in Sonoma County, California.