

# NORTHERN CALIFORNIA GEOLOGICAL SOCIETY



## “A GEOLOGIC WALK IN DOWNTOWN SAN FRANCISCO – RETRACING THE EVENTS OF THE 1906 EARTHQUAKE & FIRE”



Subsidence area: the photograph of the loft located 278-280 Clara Street was taken in February 1989. The former garage and entrance door can be seen below street level. The building was badly damaged due to ground shaking in the 1989 earthquake. Like many other buildings in the subsidence area, this structure has been renovated in recent years.

### A TEACHER'S WORKSHOP - NCGS FIELD TRIP FOR THE NATIONAL EARTH SCIENCE WEEK - Saturday October 15, 2011

**Field Trip Leader: Dr. Raymond Sullivan, Professor Emeritus,  
Department of Geosciences, San Francisco State University  
San Francisco, CA 94132**

**Field Trip Coordinator –Dr. Paul Henshaw**

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Earthquakes are an important part of our life in the Bay area. The walk is of particular relevance to teachers of all grade levels who are interested in including an earthquake lesson in their classroom. We will explore the downtown area in order to discover the lessons and knowledge we have acquired in the past 100 years about the importance of earthquakes for those of us who live in an extremely seismically active area. A well illustrated guide book will be provided to enrich the walk and there will be many places to take photographs. Examples of possible sites we will visit include buildings in the subsidence area in the South of Market, pre 1906 buildings along Market Street that survived the earthquake, the site of the first residence in San Francisco and other historical places in the city.

We will assemble at 9 AM at the Civic Center Bart Station. The first stop will be at Sixth and Howard streets in the South of Market. This location was "ground zero" for the 1906 tremor. It was here that the greatest loss of life and the greatest damage occurred at dawn on that April day. It was in this area that most of the fires originated that destroyed the City in the following days. This part of the City was rebuilt following the quake but the area around Sixth Street has retained much of its character. The South of Market is under going redevelopment and the older buildings are disappearing so it is very appropriate to bring your camera and record this part of the City.

The walk continues along Market Street following the path of the fire as it spread outwards from the South of Market. We will see many of the "survivors" or pre 1906 buildings along Market. We eventually end up at Lotta's Fountain, the site each year of the 1906 remembrance event. The fire reached this part of the City about late morning of the first day and we are on schedule to follow its path through the present day Financial District and Chinatown. NCGS is hosting a lunch for the group at a restaurant in Chinatown.

### **THIS FIELD TRIP WILL BE LIMITED TO 30 PEOPLE.**

\*\*\*\*\* **Field Trip Logistics** \*\*\*\*\*

**Must register by October 7, 2011**

**Time & Departure:** October 15, 2011, 9:00 am (sharp), outside Civic Center BART station at Market & Hyde Street.: adjourn at Chinatown around 3:00 pm

**Cost:** Free including a chinese lunch at Chinatown  
( Please send a check for \$30/person which will be returned after the field trip; no refund for no show)

\*\*\*\*\* **REGISTRATION FORM (San Francisco Walk Field Trip)** \*\*\*\*\*

Name: \_\_\_\_\_ E-mail: \_\_\_\_\_

Address: \_\_\_\_\_ Phone : \_\_\_\_\_ Cell (evening): \_\_\_\_\_

Lunch: Regular: \_\_\_\_\_ Vegetarian: \_\_\_\_\_ (Please check one) Check Amount: \_\_\_\_\_

Please mail a check made out to NCGS to: **Paul Henshaw**  
**6 Rachel Ranch Court,**  
**Clayton, CA 94517-2126**

Questions: e-mail: [phenshaw@berkeley.edu](mailto:phenshaw@berkeley.edu) Phone: (925) 673-8745