



**ASSOCIATION OF ENVIRONMENTAL &
ENGINEERING GEOLOGISTS**
-Carolinas Section



Spring Field Trip
Reed Gold Mine, Midland, North Carolina
Saturday, April 11, 2015, 9:45am to 3:00pm

Where: Meet at Reed Gold Mine: 9621 Reed Mine Road, Midland, NC

Cost: \$20 for members and non-members, FREE for students and children (8 years and older)

Field Trip Registration Deadline: Monday, April 6, 2015

Field Trip Waiver: Please sign/date and return field trip waiver

South Carolina Continuing Education Credits: 4 credits for field trip participation

Field Trip Leaders

Reed Gold Mine Staff will guide the group tour through the underground mine and historical structures on the site.

Phil Bradley is the Senior Piedmont Geologist for the North Carolina Geological Survey. He has 17 years of experience in project management and technical oversight in geological sciences including groundwater and soil investigations, geoscience education, and geologic mapping. His main duties involve geologic mapping in the Piedmont of North Carolina. Phil will be hosting a geology tour of the outcrops at the Reed Gold Mine site and explaining the history of the local geology.

Heather Hanna is a Geologist for the North Carolina Geological Survey. Her responsibilities include Piedmont geology mapping and the STATEMAP Project.

Field Trip Summary

The Reed Gold Mine is a historic underground and above ground gold mining site that dates back to 1799 when the initial discovery of a 17lb gold nugget at Little Meadow Creek was found by a twelve-year old boy named Conrad Reed (son of John Reed). Later in 1803, John Reed and three partners supplied a few slaves to work in that area and a slave named Peter found a 28lb nugget in the same creek. By the 1830s, the above ground mining process on the Reed property advanced to work underground focusing efforts along quartz-rich veins that host gold. The stamp mill at the Reed Gold Mine represents the machinery used in the 1890s on mining site. By 1912, underground mining ended at the Reed Gold Mine and this site was later donated to the state of North Carolina in 1971 and became a historic site by 1976.

The Reed Gold Mine visitor center features exhibits of gold, the geology of gold, mining technology, and equipment. There is also a library that features materials on gold mining and Reed family genealogy.

Hiking trails, monuments and outdoor exhibits are also features of this historic site. Trails cross load and placer above ground mining areas and archaeological sites. The Lower Hill Trail features "Talking Rocks" that describe the mining activities at Reed Gold Mine and the local geology. Historic mining



/AEGweb



@AEGweb



Association of Environmental & Engineering Geologists – AEG

machinery and an area on Upper Hill has the chimney and restored foundations of the 1854 mill house.

Any of you have gold fever? Well here is your chance to pan for gold. A panning area will be open to the group during this trip. The Reed Gold Mine staff will teach the group on how to pan for gold flakes that have been found in the sediment dug out from nearby Little Meadow Creek.

After the Reed Gold Mine activities, Phil Bradley and Heather Hanna plan on taking the group on a short 45 min to hour walk along the above ground workings, looking at rock types and discussing the structural geology.

Field Trip Logistics

The field trip will begin at 10:00am on Saturday, April 11, 2015, at the Reed Gold Mine (9621 Reed Mine Road, Midland, NC). Parking is available at the Reed Gold Mine. AEG will not be supplying bus transportation for this field trip. Attendees are expected to be ready for the tour by **9:45am** so the Reed Gold Mine staff can give a brief summary of the tour's features.

From 10:00am to 12:30pm, the group will be guided through the underground and above ground mining trails and features. Lunch is scheduled for 12:30pm at the Reed Gold Mine. Box lunches will be provided. After lunch, the group will be guided along a forest hiking trail for approximately 1 mile, to stop at the local rock outcrops. Snakes, ticks and chiggers will be alive and well, and wearing a good set of field boots is recommended. Be prepared for the weather, as most of this field trip and the lunch picnic tables are outside. The field trip is expected to end by **3:00pm**.



/AEGweb



@AEGweb



Association of Environmental & Engineering Geologists – AEG

REGISTRATION FORM

**Spring Field Trip at the Reed Gold Mine, Midland, NC
April 11, 2015**

Please fill out top portion for each individual attendee.

Name: _____ (Circle one: Member, Non-Member, or Student)

Company: _____

Address (Street, City, State, Zip): _____

Phone (office, home, or cell): _____ Fax: _____

Email: _____

***NOTE: The Saturday Field Trip will include a lunch box containing a sandwich, chips and cookie (water/juice will be provided by AEG).

Please indicate your sandwich preference by circling one option: ham, turkey, roast beef, veggie

Please fill in the total cost below.

Event	Member	Non-member	Student	Children (8 yrs. and older)
Field Trip	\$20.00	\$20.00	FREE	FREE
Total Cost				

PAYMENT METHOD (Payment MUST accompany this registration form.)

Make check payable to **AEG Carolinas Section**. Please mail registration form and payment to:

**Sue Buchanan
Schnabel Engineering
11A Oak Branch Drive
Greensboro, NC 27407**

Or email to: sbuchanan@schnabel-eng.com

Total Payment Amount: \$ _____

List attendee(s) for which this payment is for: _____

Credit Card (check one): Mastercard _____ Visa _____ Corporate card? _____

Card Number: _____ Exp. Date: _____

CVV Number (the three digit code on the back of card): _____

Name on card (print): _____

Cardholder's billing address (Street, City, State, Zip): _____

Cardholder's signature: _____



/AEGweb



@AEGweb



Association of Environmental & Engineering Geologists – AEG

ASSOCIATION OF ENVIRONMENTAL & ENGINEERING GEOLOGISTS



LIABILITY WAIVER FOR FIELD TRIP PARTICIPANTS

The undersigned having been fully advised as to the nature and possible dangers and hazards of the field trip, hereby acknowledges and agrees this _____ day of _____, 20____, that:

1. (please print) _____ (herein referred to as "Participant") intends to participate in one or more field trips sponsored by the Association of Environmental & Engineering Geologists (herein referred to as "AEG").

The field trip for which this waiver is being made is to be held on Saturday, April 11, 2015, in Midland, North Carolina.

2. Participant agrees and understands that during such field trip(s), he/she will be under the direction and control of the trip leader approved by the AEG, and specifically agrees to comply with all reasonable directions and instructions by the trip director during the course thereof.

3. Participant understands and acknowledges that there are risks of injury to person and/or property that are associated with field trips, including without limitation risks related to travel hazards, terrain, weather, eating and sleeping arrangements, and other circumstances. Participant hereby voluntarily assumes all risks connected with or arising out of his/her participation in field trip activities, and waives any claim against AEG, its officers, directors, employees, agents and members for any injury, harm, damage or other liability arising out of field trip activities.

4. Participant understands and acknowledges that the AEG assumes no liability for personal injuries or property damages to participants or to third persons arising out of field trip activities. Participant agrees to hold AEG harmless from any liability for harm arising out of the acts or omissions of AEG or Participant during any such field trip, and indemnify AEG against any and all awards or judgments against AEG in favor of third parties for losses and damages (including attorney's fees and any costs involved because of said claims), on account of injury, death or property damage, or inconvenience or loss of money due to delay that may arise, by reason of Participant's participation in field trip activities.

5. I understand that my use of alcohol or drugs would impair my judgment and coordination, and I hereby waive, and will hold the AEG harmless from, any and all claims of bodily injury or other harm arising from my use of either. I will indemnify AEG against awards or judgments in favor of third parties for losses or damages (including attorney's fees and costs), of whatever nature, arising out of my use of alcohol or drugs while participating in field trip activities.

Date: _____ Signed: _____

(Participant's Signature)

Mail Liability Waiver to:

Sue Buchanan

Schnabel Engineering

11A Oak Branch Drive

Greensboro, NC 27407

Or email to: sbuchanan@schnabel-eng.com



/AEGweb



@AEGweb



Association of Environmental & Engineering Geologists – AEG