

The Minnesota Association of Professional Soil Scientists (MAPSS) presents the 2011 Summer Tour & Business Meeting:

The Soil/Karst Landscape of Southeast Minnesota

Friday, August 5, 2011
8:30 am (sharp!) – 5:00 pm

Central Park (City Park)
Chatfield, Minnesota

We will be on a bus tour for most of the day. The bus will leave promptly at 8:30am, so please give yourself plenty of driving time. Road construction **EVERYWHERE!** Please plan accordingly. Registration will begin at 8:00am. Why not come early for some fantastic networking? There are limited breakfast places in Chatfield. St. Charles (about 20 minutes northeast of Chatfield) and Rochester (about 25 miles northwest) have restaurants. We might even have coffee and pastries for you!

Continuing Education Credits: 6.0

Agenda (subject to change)

Minnesota Sinkhole Plain between Chatfield and Fountain – karst phase of soil map units

Jeff Green - MnDNR Hydrogeologist
Peter Hartman, PSS - NRCS Area Soil Scientist

Field Tour of a Sinkhole and associated data mapping units

Jeff Green - MnDNR Hydrogeologist
Peter Hartman, PSS - NRCS Area Soil Scientist

“Big Spring”, Disappearing Streams, associated mapping units and components

Mystery Cave Tour

Warren Netherton - MnDNR Naturalist and Cave Specialist

Foods of Southeast Minnesota

Southeast Food Network

Forestville State Park - Investigation of data map components of a floodplain

Peter Hartman, PSS - NRCS Area Soil Scientist

Mill Creek Stream/Floodplain Restoration Project

Luke Lunde, Soil Scientist - McGhie and Betts

MAPSS Business Meeting

A MAPSS business meeting will be held during the tour. All MAPSS members are expected to attend this session.

Don't forget to dress for the weather and bugs.

Registration Form – complete and mail this form

Please register by **July 22, 2011** to avoid a late registration fee and to help us plan for space and food at the event. Thank you!

Name _____

Address _____

City _____

State _____

Zip code _____

Telephone or e-mail _____

MAPSS Member \$50.00 _____

Non-MAPSS Member \$60.00 _____

Student Member \$20.00 _____

Late Registration (after July 22, 2011)

MAPSS Member \$60.00 _____

Non-MAPSS Member \$70.00 _____

Optional CEU Fee \$10.00 _____

See explanation of this optional fee on the following page

Total Amount Enclosed _____

You can also register online at:

<http://www.mnsoilscientist.org/main/events.html>

Make checks payable to MAPSS and send it, along with this portion of the registration form, to:

MAPSS 2011 Summer Tour
Ms. Larissa Schmitt
813 East 8th Street
Duluth, MN 55805



The classic karsted geology and soil resources of southeast Minnesota will be the focus of our tour and discussions. Enjoying the beautiful landscapes and “food” of southeastern Minnesota will be mandatory.

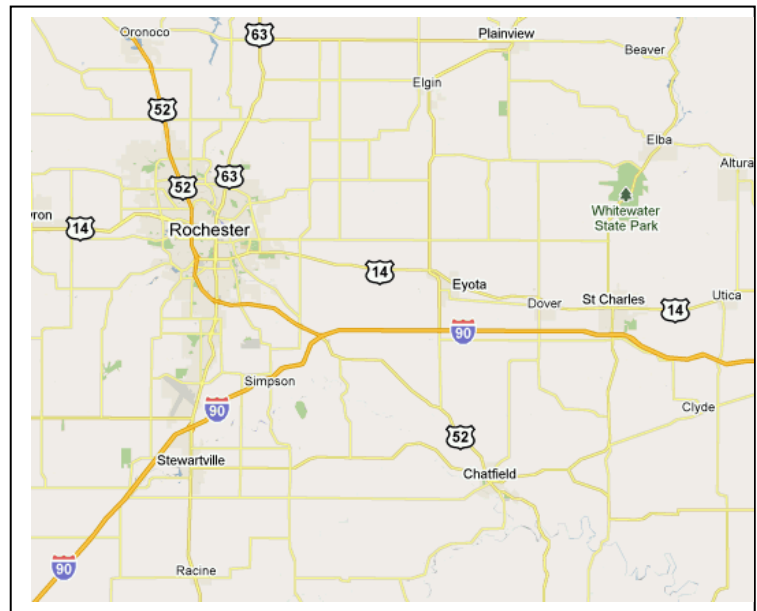
While most of southeast Minnesota is underlain by karsted bedrock, we will spend most of our day in central Fillmore County where the best surface expressions of karst exist. This rare geological region of Minnesota is only enhanced by the unique soils covering this landscape. We will investigate both, but will not limit ourselves to mere superficial observations. Be prepared for crawling into sinkholes and observing geology from the bottom up.

Our tour will begin in historic Chatfield. We will observe the Ordovician Galena limestone so prominent in this area. Other stops will include a sinkhole display, springs emerging from caves, the soil landscapes of massive sinkhole plains, a floodplain soil investigation, a stream/floodplain restoration project, and an exclusive tour of Mystery Cave. There are plenty of issues, also. How have communities in karst geology dealt with stormwater management, nutrient contamination, land use regulation, etc?

To lead this tour, the best of Southeastern Minnesota have been selected for your disposal. Jeff Green, who is the Regional Groundwater Specialist for the MnDNR Division of Waters in Rochester, is an expert in carbonate hydrogeology. Mr. Green has graciously volunteered to guide the geology portion of this tour. His extensive knowledge of karst hydrology, aggregate mining, karst mapping and the issues associated with each will significantly expand our knowledge and curiosity. Our own Peter Hartman, Area Soil Scientist for the NRCS, was intimately involved in the soil survey updates in SE Minnesota and with years of soil investigations under his belt, commands supreme knowledge of the soils of southeastern Minnesota. Peter will skillfully enlighten us to the unique soil resources of this region.

You cannot afford to miss this unique opportunity to learn so much about the earth resources of this great area of Minnesota by true professionals.

By the way, the “food” component will be provided by the Southeastern Minnesota Food Network. Southeastern Minnesota not only provides great landscapes, geology and soils, but also great food, produced right here. Can't miss this!



Chatfield is located southeast of Rochester off of Highway 52 and southwest of St. Charles. We can park our vehicles around the central park. Try to carpool!

Carpool

Tired of paying for gas? Do you want to save the world? Or are you just tired and want to sleep during the journey to Chatfield, MN? Why not carpool! Contact Suzanne, the unofficial carpool organizer, at either 612-741-1365.

Accommodations

Camping is available at:

- Whitewater State Park (Altura) – 40 min drive
- Eagle Cliff Campground (Lanesboro) – 30 min drive
- Mystery Cave State Park (Preston) – 20 min drive
- Numerous other state forests and scenic areas

There are also hotels and bed and breakfasts in the area: Rochester, Lanesboro, etc.

Optional CEU Fee

CEU are obtained without paying the \$10 CEU fee. However, your attendance at the conference will be certified by MAPSS *only* by paying this fee. MAPSS will certify and maintain a record of your attendance, which will be provided to licensing boards upon your request. All other attendees must maintain their own records. **MAPSS will not certify your attendance without paying this fee.**