

Field Trip Itinerary Saturday May 13th 2017, 9 am – 4 pm

Jay Zambito, Lisa Haas, and Bill Batten (WGNHS)
with assistance from Badger Mining Corporation

This trip is designed to showcase outcrops, mine sites, and drill core of the major rock units in the industrial sand mining region of west-central Wisconsin. These units include the Cambrian Eau Claire shale (fill), Wonewoc sandstone (industrial sand), Tunnel City shale and sandstone (fill and potentially industrial sand), St. Lawrence Formation dolostone and siltstone (aggregate and fill), Jordan sandstone (industrial sand), and the Ordovician Prairie du Chien dolostone (aggregate). The trip will proceed stratigraphically up-section, showing these rock units from oldest to youngest, and highlighting the geologic history recorded in these rocks, their geochemistry and mineralogy, and their natural resource potential.

- **Holiday Inn conference venue:** Check in begins at 8:45. Bus will be located near the main entrance of the hotel. Participants are responsible for bringing any medication (including bug spray and sun screen) and wearing appropriate apparel (no open-toed shoes). A bathroom will be available on the bus and a public restroom at lunch.

- *Depart 9am. Drive 1 hour to Bear Creek Road shale pit.*
- **Stop 1:** Arrive 10:00 am at Bear Creek Road Shale Pit. Contact between the Cambrian Eau Claire Formation and Cambrian Wonewoc Formation. 30 minutes looking at outcrop and WGNHS drill core. Bus goes up road to turn around.

Depart Stop 1 at 10:30 am. Drive 20 minutes to Badger Mining Corporation Taylor Sand Plant.
- **Stop 2:** Arrive 10:50 am at Badger Mining Corporation Taylor Sand Plant. Cambrian Wonewoc Formation. Tour of facility from 10:50 am -12:00 pm.
- *Depart Stop 2 at 12:00 pm. Drive 10 minutes to Kwik Trip Gas Station outside of Blair.*
- **LUNCH Stop:** Arrive 12:10 pm. Trip participants eat lunch and use facilities and buy additional food/beverages if they want. Leave at 1:00 pm.
- *Depart Lunch stop at 1:00 pm, drive 25 minutes to Crystal Valley Road outcrop.*
- **Stop 3:** Arrive at 1:25 at Crystal Valley Road outcrop. Cambrian Tunnel City Formation and overlying Cambrian St. Lawrence Formation. 30 minutes looking at outcrop and WGNHS drill core. Bus goes up road to turn around.
- *Depart Stop 3 at 1:55. Drive 25 minutes to WI Route 93 outcrop.*
- **Stop 4:** Arrive 2:20 at WI Route 93 outcrop near Kraemer/Wilbur Quarry of Cambrian Jordan Formation and overlying Ordovician Prairie du Chien Group. 30 minutes looking at outcrop and WGNHS drill core. Bus drives ahead and uses Wilbur Road (private) loop to park and wait for trip participants. 30 minutes looking at outcrop and WGNHS drill core.
- *Depart Stop 4 at 2:50. Drive 1 hour back to Holiday Inn conference venue.*
- **Holiday Inn conference venue Arrive 3:50pm.**