

Field Trip Itinerary  
April 10-12, 2015  
Southeastern Georgia – Folkston, GA and Jekyll Island GA.

The American Institute of Professional Geologists (AIPG) and the Southeastern Geological Society (SEGS) will be hosting a field trip to Southeastern Georgia to take place April 10-12, 2015. This will be a family-friendly trip where families can stay at Jekyll Island and enjoy the rich human history and natural beauty of the island however, only participants 16 years old or older will be able to visit the mine. **All mine visitors need to bring a hard hat, sturdy boots, and eye protection.**

The Friday evening meeting will be held in the conference room of Villas By The Sea which is located at 1175 N. Beachview Drive, Jekyll Island, GA 31527. Contact phone number is 1 800-841-6262. **Note that lodging reservations had to have been made by March 10 to secure the group rate.** Camping facilities are also available on the island.

The trip will be focused on heavy mineral mining in sands and paleo and modern day coastal depositional environments. The general outline of the trip is provided below. We look forward to seeing you on this trip.

**Friday April 10-**

The meeting is scheduled to begin at 7:00 pm in the conference room at the Villas By the Sea. Please note that the conference room will not have dinner service or beverage service however, you can bring food and beverages into the conference room. It is advised that you have dinner before the meeting. Phil Leary, FAPG's legislative lobbyist, will provide a brief session overview and discuss how legislative involvement helps protect the scope of practice for geologists. Jim Renner of Southern Ionics will be giving a presentation on mine safety and other visitor requirements. He will also provide an insight into what to expect on Saturday. Two technical presentations will be given: Fred Pirkle, Ph.D. P.G., will give a presentation entitled "Heavy Mineral Exploration Models Based on Fluvial, Deltaic, and Coastal Marine Sedimentation." This presentation will summarize the exploration and evaluation of heavy mineral deposits. Norm Stouffer, a mining engineer, will present on heavy mineral sand process engineering. These presentations will be focused on the geology and mining operations expected to be seen during the field trip on the following day. All ages are welcome.

### **Saturday Morning – Afternoon, April 11-**

In the morning, we will travel to the Folkston, GA area to observe active heavy mineral sand mining operations at Southern Ionics. Plan on convening at the Villas By the Sea parking lot at 8:00 am to get all forms handed in and organize the car pool. Additionally, we need a cell phone number for each participant in order to contact anyone who becomes separated from the group prior to entering the mine location. We must leave Villas by the Sea no later than 8:30 am. We have a secondary meet location Love's Travel Stop at Highway 82 and I-95 on the east side, for the folks that are not staying on Jekyll Island. Please try to be there by 8:30 am. Lunch and drinks will be provided Saturday.

We expect to observe the following elements at the mine site (**please note that persons under the age of 16 will NOT be allowed at the mine site**):

- Active mine pit
- Ore stockpile and screening
- Wet mill, including a tour of the mill itself
- Reclamation Areas
- Hydrologic monitoring network
- Sensitive resources, e.g. wetlands and gopher tortoise habitat
- Buried Paleo-coastal Terraces

**NOTE: Hard hat, safety shoes and eye protection are required by Southern Ionics for persons entering their property. They have a very limited supply for visitors and you are asked to bring your own gear.**

Also, an electronic copy of the field guide will be provided and no hard copies will be available.

### **Saturday Night, April 11**

Optional Social Event at Jekyll Island. Anne Murray and Helen Hickman of the AIPG have graciously offered to host a cocktail hour in their suite – time undecided but, after the field trip when everyone gets back and has a chance to freshen up. Representatives from AIPG and SEGs will present information on the current news and goals of these organizations. Special welcome to Foster Sawyer, AIPG National President, who will be joining us from Rapid City where he is a professor at the South Dakota School of Mines.

### **Sunday Morning April 12**

Optional Outdoor Hike on Jekyll Island to observe active coastal processes, sensitive environments, Quaternary stratigraphy, salt marshes, tidal creeks,

marine transgression sequences, and heavy mineral deposition/concentration. We will be hiking along the north end of the island known as Driftwood or Boneyard Beach at low tide to see fully exposed marshes and sediment. Oren Reedy, P.G., a wetland soil scientist with local knowledge will lead the hike. This will be a leisurely hike that is expected to be 3-4 miles. All ages are welcome. The hike will start at 9AM. Meeting location TBD and will be discussed at the Friday night meeting. **Please bring adequate bug spray as mosquitos may be an issue.** For questions about the hike contact Clint Noble at 904 613 2261.

If you have any questions please feel free to contact Bryan Carrick at [carrickbk@embarqmail.com](mailto:carrickbk@embarqmail.com) or Greg Mudd at [gmudd@cfl.rr.com](mailto:gmudd@cfl.rr.com). We look forward to a great turnout for this joint SEGS/AIPG field trip.

Upcoming SEGS 2015 Field Trips:

- Summer 2015: Trip to Honeymoon Island and Tampa Bay FL area.
- October 2015 – Trip to Southern Appalachian Mountains.
- December 2015 – Trip to Southern Everglades/Florida Bay area.