



POST OFFICE BOX 1636, TALLAHASSEE FL 32302

**THE SOUTHEASTERN GEOLOGICAL SOCIETY
FIELD TRIP ANNOUNCEMENT**

Save the Date: SEGS Field Trip to The Everglades, Florida February 13, 2016

The SEGS will conduct a field trip to Everglades National Park (ENP) on February 13, 2016. The field trip will focus on the unique geological setting in south Florida that led to the development of one of the largest wetlands in the United States. Field trip stops will include the Pine Rockland region in the northern portion of ENP. Here we will discuss the development of the Atlantic Coastal Ridge, the Miami Limestone and the micro-karst that has developed since the deposition of the Miami Limestone approximately 125,000 years ago. The slightly higher elevation on the ridge created the foundation for the unique ecosystem that comprises the Pine Rocklands.

As we head south into the heart of ENP we will stop to look at and discuss the origin of Rock Reef Pass and other linear, slightly elevated features that occur in the Everglades. We will also stop at Pa-Hay-Okee to observe and explore a hardwood hammock and look at modern deposition of peat that is occurring in the sawgrass wetlands that surround the hardwood hammocks. We will discuss the development of the tree islands and their geologic origin. Additional stops will include Paurotis Pond where modern freshwater marl (consisting of low-Mg calcite) is accumulating, West Lake where we can see a modern mangrove forest and the final stop will be in Flamingo where we will see a coastal levee and discuss the modern carbonate environments in Florida Bay.

Friday evening, prior to the field trip, Gene Shinn, one of the world's foremost experts on carbonate environments and the Florida Keys, will give a lecture. Gene is the author of the recent book *Bootstrap Geologist* which discusses his famed career in science. Gene was born in Key West and has spent much of his long career studying the geology of the Keys, Florida Bay and the Everglades.

We look forward to seeing you on this trip.