



# Geological Survey of South Alabama

Incorporated 2007

Director: William F. Brokhourse Ph.D

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Monday, February 15, 2016

Mr/Ms \_\_\_\_\_ (Insert Name)  
Geologist in Training  
LSCB 337

Dear \_\_\_\_\_,

By now many of you have doubtless learned that Mr. James Smith has left our group. You might also have heard some rumors about the reasons for his departure. Suffice to say that it was a mutual decision that we felt was best for both him and for us. That is all that I wish to discuss about the matter except to say that once again, I require your help to complete some of the work that Mr. Smith was responsible for completing.

With that said, I'd like to express my appreciation for the fine work that you have been doing for the GSSA. Your initial work on the I65 section and your grain size report were both exceptional. Well beyond the level of an entry level geologist. Thanks to you, our organization has been able to maintain its reputation for excellence in sedimentary geology. I have the pleasure of informing you that effective today, you have been promoted to Geologist, Class 1. With this promotion, your salary increases by 5500%! There will, of course, be additional responsibilities with Class 1 standing and as is usually the case, your medical benefits payments will naturally increase by 5503%. But the good news is that up to this point, you have been used primarily in a supportive role. As a Class 1 geologist, you will be expected to act more as a project leader. Those responsibilities begin today.

Once again, congratulations on the promotion and continued success at the GSSA.

Sincerely,

William F. Brokhourse, Ph.D, P.Geol.  
Director, GSSA

P.S. Please get the St. Stephens composite section finished before I return from my stay in the hospital.

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\* See the accompanying page for information concerning your first project leader assignment. This is a redoable assignment. In addition, make sure that you attach an accompanying cover letter to your section using GSSA letterhead.

**GY 402 Sedimentary Petrology**  
Perdido Sedimentary Section

Your Task: When we have completed our Perdido field trip, I will collect the field notes from each of the teams, copy them and provide these data to all students in GY 402. Use them to produce a correlated composite section sedimentary diagram of the study site. I expect 1 correlated section from each team, but I strongly suggest that each one of you works on a separate correlation and that you submit the best one for credit. This is the last significant "team" exercise and from this point on, you are pretty much running solo. Get as much practice as possible.

Use standard sedimentological symbols where ever possible. Include a title, a legend, vertical and horizontal scales, and a "location map". Pay careful attention to the instructions for producing sedimentary sections that were given to you during the recent sedimentary sections lecture. Additional information about layout preparation will be provided to you in upcoming lecture(s).

The Rules: Your diagram must fit on a single 11" x 17" piece of paper (provided) and be in landscape mode. Give the layout of the study site, you can opt to do 2 correlations per group (an east-west line and a north-south line). We will discuss this in class before the start of the exercise. Do your first draft submission in pencil. I will provide comments in pencil that can be erased prior to your resubmission. For your second submission, sections drawn using drafting-style pens are welcome, but if you go this route, be sure to use velum or Mylar in place of the crappy paper we have available in the lab. It will kill your pens.

**Please note:** This lab assignment is considered a major project and is worth a fair portion of your grade in GY 402. It is NOT a writing assignment, but is nonetheless still redoable.

**First Submission (draft) Due Date:** see website