

THE OHIO STATE UNIVERSITY
School of Earth Sciences
Earth Sciences 602.02
CARBONATE DEPOSITIONAL SYSTEMS II

Final assignment

Objective: A field guide to the Geology and Carbonate Sedimentology of San Salvador Island, Bahamas

1. As you type up your notes from your field notebook (using a computer and word processor), label them according to stop number. The first stop on day 1 (Cut Cay) might be 1-1. Show the location of each stop on a copy of a map of San Salvador Island. Maps are in one of the San Salvador field guides on reserve, or in the short field guide distributed on the trip.
1. Expand your field notes with pertinent information from the laboratory portion of 602.01 and from publications on reserve in Orton Library. For example, you may have listed only *Montastrea annularis* and *Porites* at a particular dive site, but you find a reference that lists other corals. It would be proper to expand your list by saying that so&so (1987) also listed *Diploria*. Do not credit me with any hypotheses! Unless an idea originated with you, find a reference to blame it on.
3. Illustrate your field guide with drawings and/or photographs. Be certain to integrate information from the laboratory portion of GS 602.01 into your field guide. This could include drawings, details of thin sections or grain mounts, etc. You may want to include xerox drawings from your lab book. Lab specimens from San Salvador Island will be left in the petrography lab for a while, in case you wish to reexamine any of them.
4. The field guide text should conclude with a summary of the geological history of the Pleistocene and Holocene of San Salvador, based upon the information that you gathered in the field and information that you have garnered from the literature.
5. A list of cited references should be at the end of your report. You should integrate a number of published references into your guidebook, say at least 15-20. Use the *Geological Society of America Bulletin* format for the references.

6. Each field guide will be graded, but not edited. Comments will be made on a separate sheet of paper. You may want to use your guide some day to take your own group of students to the Field Station! I reserve the right to make xerox copies. You are doing this for yourself, so it should be a labor of love.

6. The Field Guide is **due May 15** (or any time before!). The reason for requesting this early date is that you will forget much of what you saw if you wait too long to get started. Also, I may ask you to redo parts that are unsatisfactory.