



Field Trip

Geology of David Weld Sanctuary

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RAIN DATE -- Saturday November 17, 2007
9 a.m. to 12 noon

On this trip we will

- Limited discussion on the succession of plants from a meadow to a forest. Glenn Richard is not available.
- Discuss how a tunnel valley forms under a glacier.
- Consider how with the rise in water table a woodland swamp develops in a tunnel valley,
- See roots of trees below sea level; giving evidence for sea level rise. (**Low tide is at 10 AM.**)
- Discuss how the rise in sea level affects the erosion of the cliffs and the rise of the water table.
- Consider the sources of a range of erratic boulder types along the shore line
- Travel to a magnificent kettle hole.

Information about the preserve and the field guide for the trip can be found at
http://www.geo.sunysb.edu/esp/Science_Walks/Weld/Weld.htm

Please email gilbert.hanson@sunysb.edu if you plan to go on the walk or with any questions that you may have. We will be walking a total of about two miles.

Directions

Take 25A to St. James, NY. Turn north onto Moriches Road, continue about 3 miles, go right on Horse Race Lane, go about one-half mile and take left onto Boney Lane, continue about one-half mile into Smithaven Town Short Beach Park. We will meet there and car pool back to the David Weld Sanctuary. The parking lot at the sanctuary is very small so please do not park there! There are no toilet facilities.

There is no fee but I would like to know if you plan to participate.

Be prepared for inclement weather. We will go **rain or shine but not in a Noreaster.**

Bring **snack and drink.** Wear sturdy **walking shoes or boots**

Three contact hours toward in-service credit for teachers or professional geologists.

Please let Gil Hanson know if you want a letter for in-service credit.