



Field Trip
**"Glacial Geology of Caumsett State Park and
 Huntington-Northport Area"**

[Bret Bennington](#) and [Gil Hanson](#)

**Sunday November 3, 2002
 9 a.m. to 5 p.m.**

We will meet at 9:00 AM in the parking area at Caumsett State Park. At Caumsett we will examine the sedimentary layers exposed in the cliffs situated on the north shore of Long Island facing Long Island Sound and Connecticut. While Long Island Sound presently is a body of seawater, some 20,000 years ago it was a fresh-water lake fed by the advancing glacier, which formed the Harbor Hill Moraine in northern Long Island. As the glacier advanced, it pushed forward the underlying Cretaceous clays and sands and the overlying Pleistocene glacial lake sediments, incorporating them into the moraine. The glacier continued to advance and overrode the area, subsequently depositing till and then loess as the ice melted back. These deposits are now exposed in the beach cliffs as a result of the erosion associated with continued sea level rise throughout the latest Pleistocene and Holocene. In the afternoon we will take a bus tour to look at the glacio-geomorphic features in the nearby Huntington-Northport area. Many of the valleys north of route 25A were carved by water flowing beneath glacial ice and the hills formed as sediments were deposited during glacial retreat. Our circuit of the area will include several short stops to examine the important glacial features, such as kames, kettles, and tunnel valleys. We will be finished by 5 p.m.

We will go rain or shine. There will be no refunds. Bring lunch and drink. No food is available at the park

link to [Cliffs and Beach walk at Caumsett State Park](#) by Gloria Mandell

link to research report on [Cliffs at Caumsett State Park](#) by Gloria Mandell

link to [GRAIN-SIZE ANALYSIS OF CRETACEOUS AND PLEISTOCENE SEDIMENTARY FACIES EXPOSED AT CAUMSETT STATE PARK, LLOYD NECK, NEW YORK](#) by Bret Bennington and A dina Hakimian

Directions to to [Caumsett State Park](#) located at 25 Lloyd Harbor Road, Lloyd Neck, NY 11743 (631-423-1770)

Long Island Expressway (Route 495) to Exit 49N (Route 110 North) to Route 25A. Left at Route 25A west to West Neck Road. Right at West Neck Road north to Caumsett State Park.

From Northern State Parkway Exit 40 (Route 110 North) to Route 25A. Left at Route 25A west to West Neck Road. Right at West Neck Road north to Caumsett State Park.

If you wish to participate, we need to know by **Monday, October 28**. Make your reservations by sending a check for \$25.00 per participant made out to Long Island Geologists. **No confirmation will be sent.**

Long Island Geologists
 Earth and Space Sciences Building
 S.U.N.Y.
 Stony Brook, New York 11794-2100 Tel. 631 632 8535; Fax 631 632 8240

Long Island Geologists web site is at www.geo.sunysb.edu/lig/

In-service credit is available for teachers.

During the 2002-2003 academic year we will be offering one-hour of in-service credit for each of the: six Geology Open Nights. We will offer 7.5 hours of in-service credit for the conference on the Geology of Long Island and Metropolitan New York in the spring. We will offer up to 7.5 hours of in-service credit for Long Island Geologists field trips in October and June. You may also be interested in the Astronomy, Physics and Biology Open Night programs, which also offer in-service credit. The Science Open Night programs at Stony Brook can be found on the web at www.astro.sunysb.edu/openight/openscience.html

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Enclosed is a check for \$_____ to reserve _____ places for the Field Trip on November 3, 2002.

Name(s) _____

Affiliation _____

Address _____ Town _____ State _____ Zip _____

Phone Number _____ Fax Number _____ e-mail _____

If you are a teacher, would you like in-service credit? _____