



Field Trip

Geology of Central Park: From Rocks to Ice

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Hofstra University

Saturday June 26, 2004

The impressive natural exposures left in Central Park by implementation of Olmstead and Vaux's Greensward Plan stand as geologic sentinels that offer the geologist a glimpse into the past. Sculpted by glacial ice from two contrasting ice-flow directions during Pleistocene times, the rocky knolls expose at the earth's present surface evidence of sedimentary- and volcanic protoliths that were folded and metamorphosed at depths originally exceeding 30 km. Uplift and erosion have elevated these former deep-seated rocks allowing analysis and interpretation by many geologists. The rocks of Central Park show evidence for poly-deformation under ductile conditions with Taconian shearing and recrystallization followed by younger folding, retrograde metamorphism, and subsequent brittle faulting. The park is simply a marvelous outdoor teaching laboratory for inquiring students of all aspects of geology. A complete guide to the field trip is on the web at <http://www.geo.sunysb.edu/lig/Conferences/abstracts-04/merguerian/Merguerians2004.htm>

We will meet at 8th Ave and 59th Street at the Columbus Circle statue and fountain at SW corner of park at 12 noon.

Dr. Merguerian will give a brief summary of the trip while we are eating lunch.

We will go rain or shine. There will be no refunds. Bring lunch and drink.

If you wish to participate, we need to know by **Tuesday, June 22**. Make your reservations by sending a check for \$10.00 per participant made out to Long Island Geologists. **No confirmation will be sent.**

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FIELD TRIP IS FULL!

SORRY!