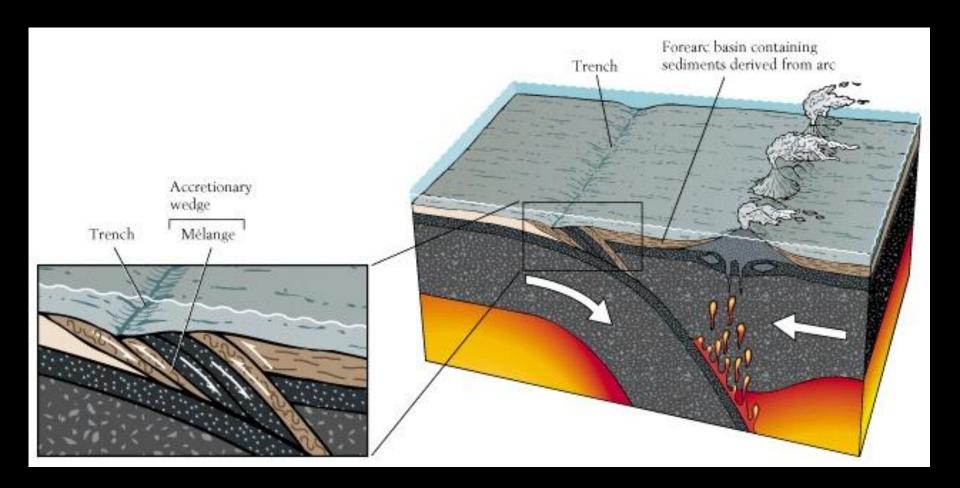
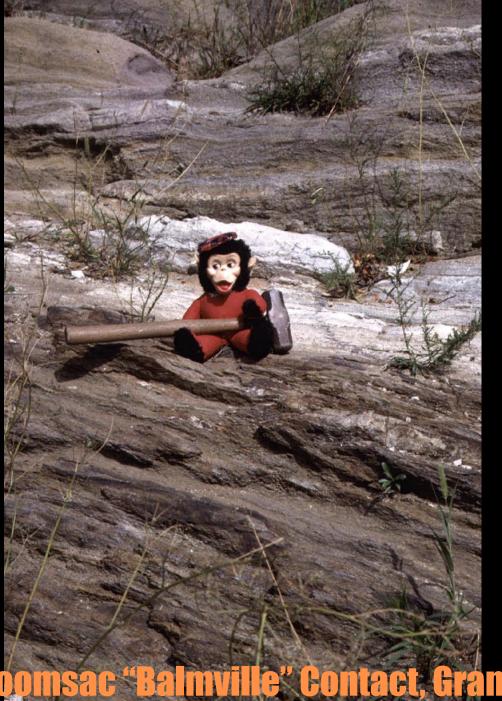
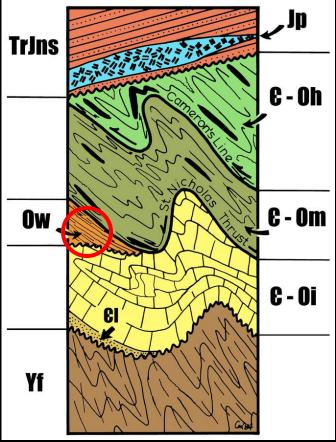


### **Accretionary Wedge**

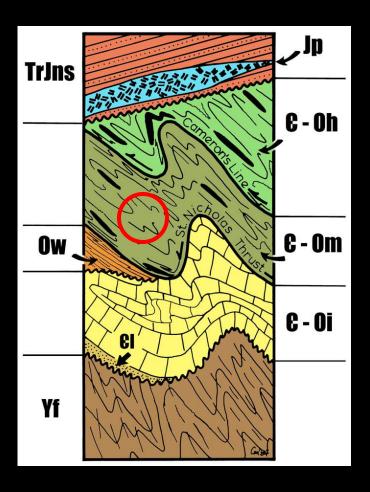








**Nalloomsac "Balmville" Contact, Grand Concourse, Bronx, NY** 



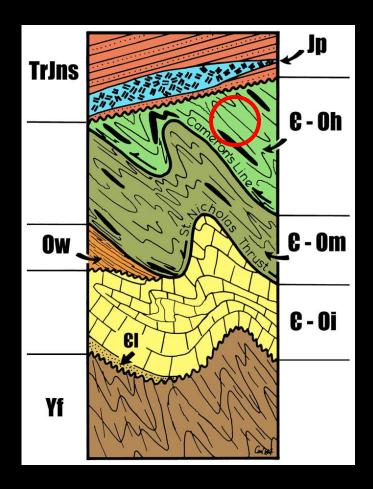
F<sub>3</sub> Folds of S<sub>2</sub> Manhattan Schist Central Park, NYC











## SW-Plunging F<sub>3</sub> Folds Hartland Formation Riverside Park, NYC





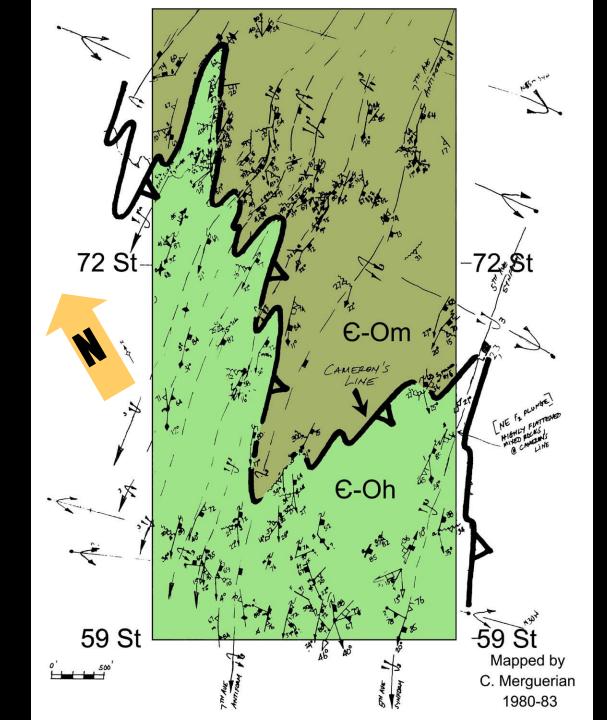


SW-Plunging F<sub>3</sub> Folds Refolding Isoclinal F<sub>2</sub> Hartland Formation Central Park, NYC

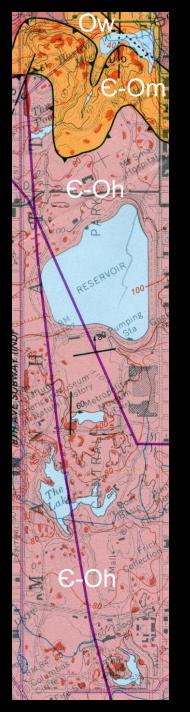
Tell them about the new mapping!



# Cameron's Line in Central Park



#### **GENERALIZED** GEOLOGIC MAP OF CENTRAL PARK, N.Y. EXPLANATION Hartland Formation =102nd Schist and Granulite Member €mb Manhattan Formation Blockhouse Member €mb 96th East Meadow Member —amphibolite Blockhouse Member -amphibolite 90th =90th €mllO IIOth St. Member Cameron's Line Thrust Fault Contact Form line of bedding and subparallel foliation Form line of amphibolite beds Trend and plunge of major fold axes Ohsq 65th meters



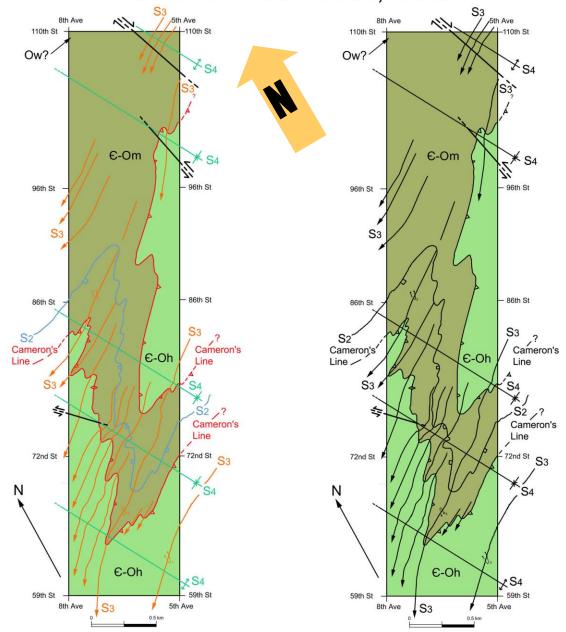
## Geologic Maps Of Central Park

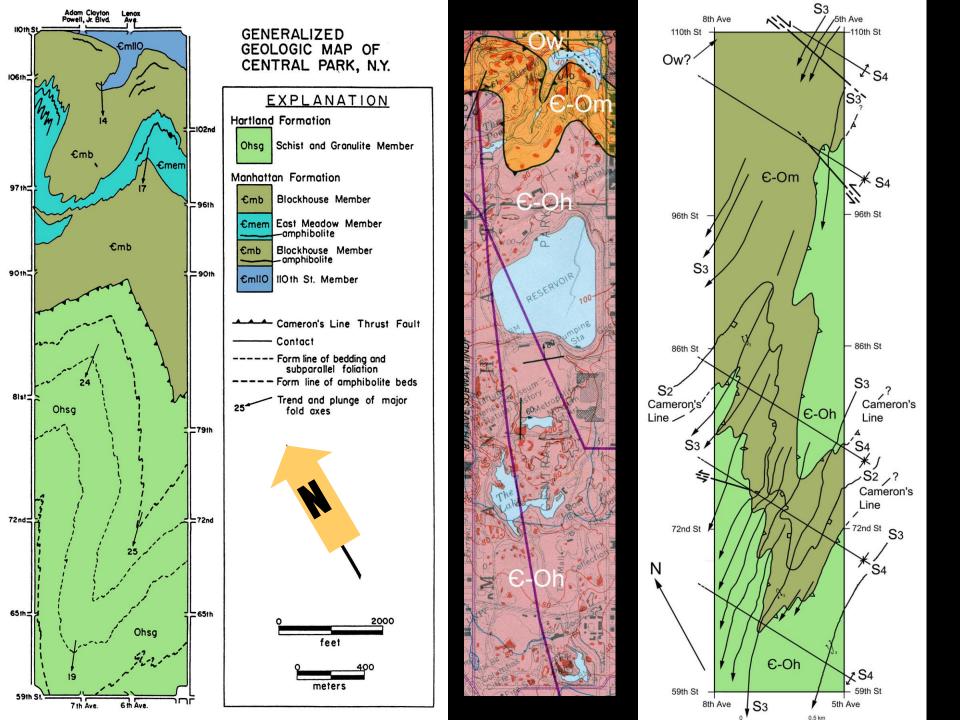
after Taterka, 1987 and Baskerville, 1994

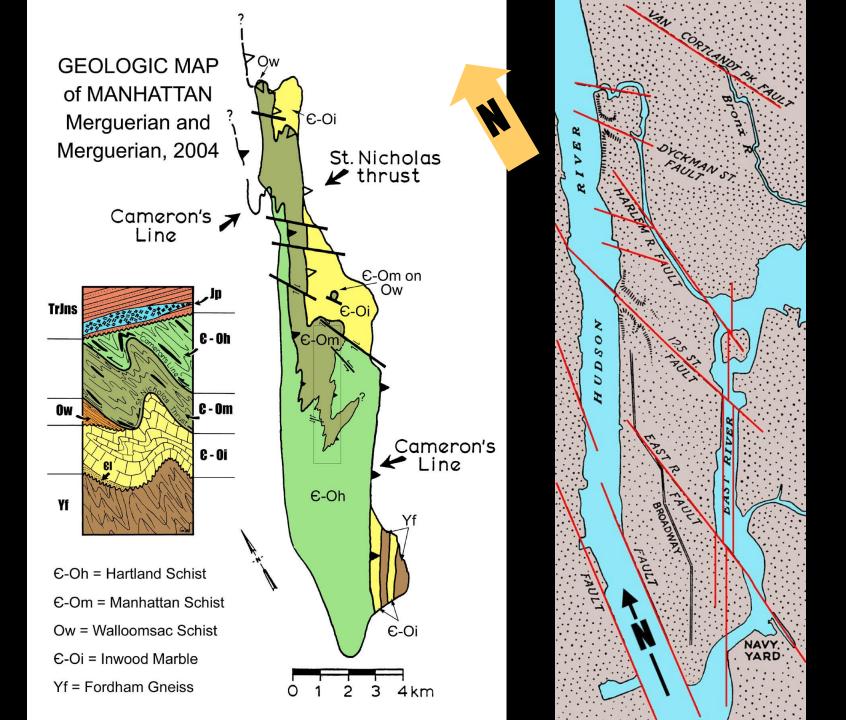
# Cameron's Line in Central Park

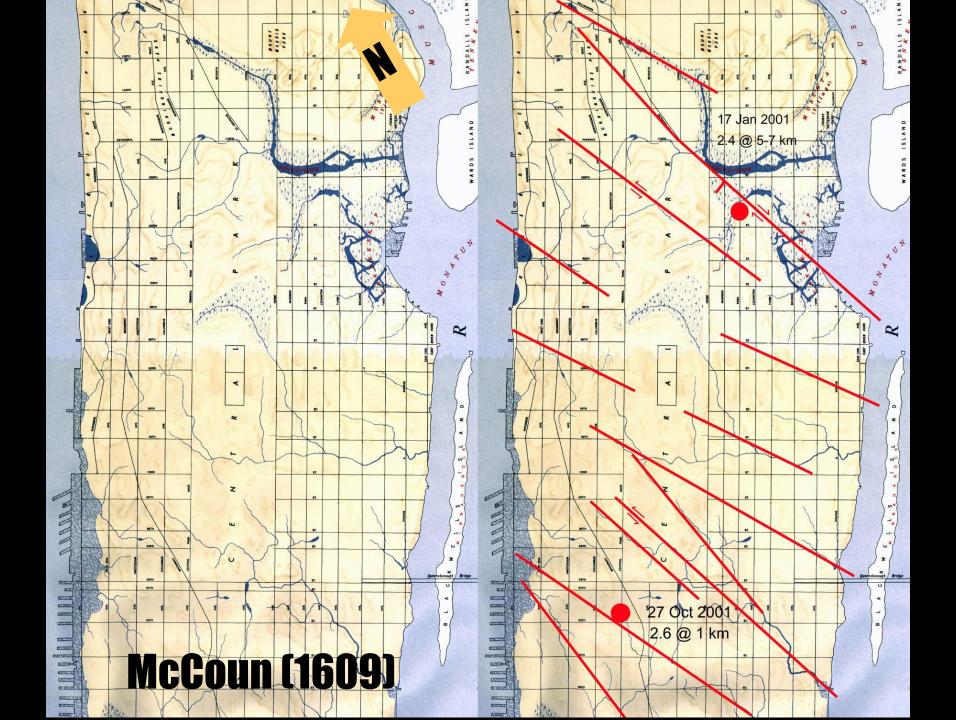
Merguerian and Merguerian, 2004

#### PRELIMINARY GEOLOGICAL MAP OF CENTRAL PARK, NYC







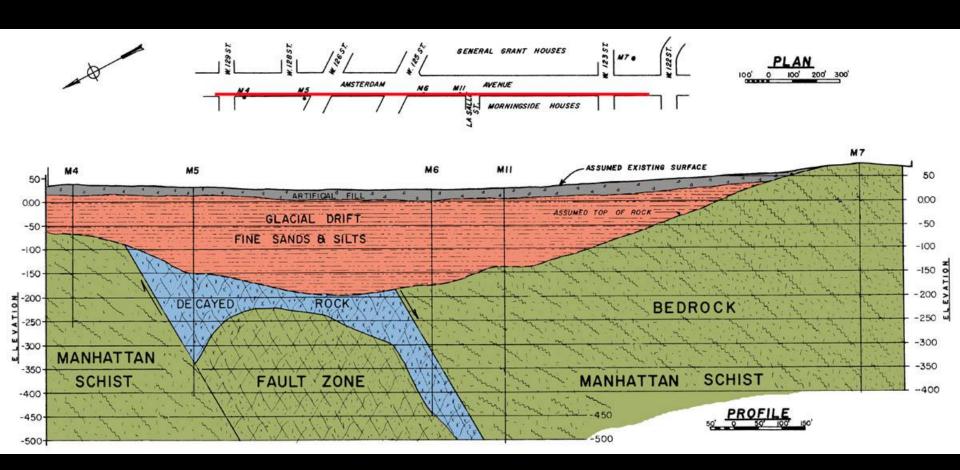








## **Manhattanville "125th Street" Fault**



#### PRELIMINARY GEOLOGICAL MAP OF CENTRAL PARK, NYC 5th Ave 5th Ave 110th St 110th St Ow? Ow? €-Om €-Om 96th St 96th St 96th St S<sub>3</sub> 86th St 86th St 86th St 86th St Cameron's Cameron's Cameron's Cameron's' €-Oh €-Oh Line / Cameron's Cameron's 72nd St 72nd St 72nd St N €-Oh €-Oh 2 S4 2 S4

59th St

S<sub>3</sub>

- 59th St

59th St

**S**3

# Group E Faults In Central Park

**Merguerian and Merguerian, 2004** 



## N12°W, L/L Fault





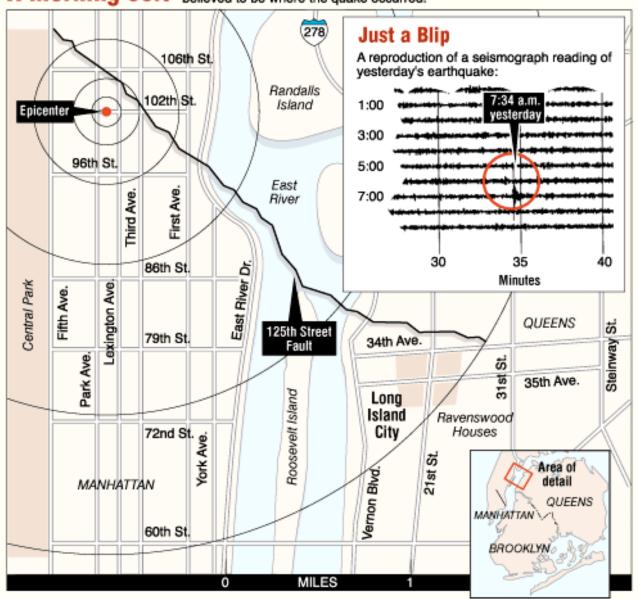




# z 0 SO 5 NAVY YARD

## 17 January 2001, M = 2.4

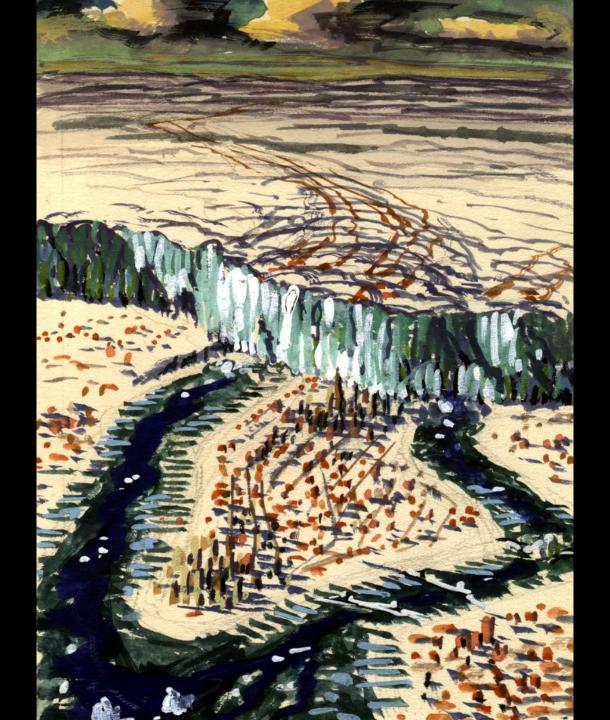
A Morning Jolt The epicenter of yesterday's earthquake and a look at the 125th Street fault; believed to be where the quake occurred.





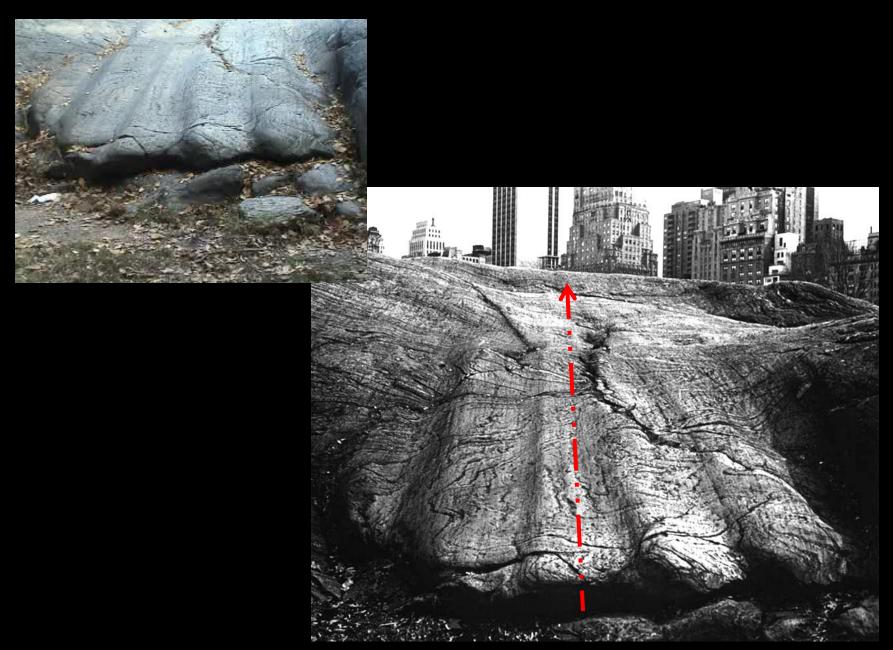
## New York City Earthquake Can it Happen Here?

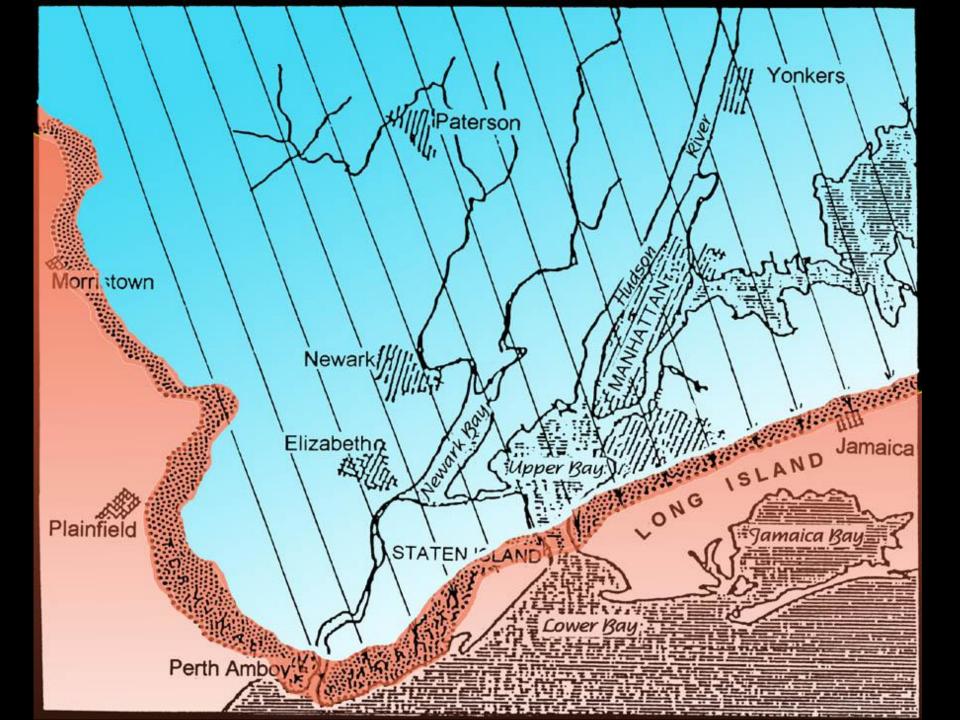








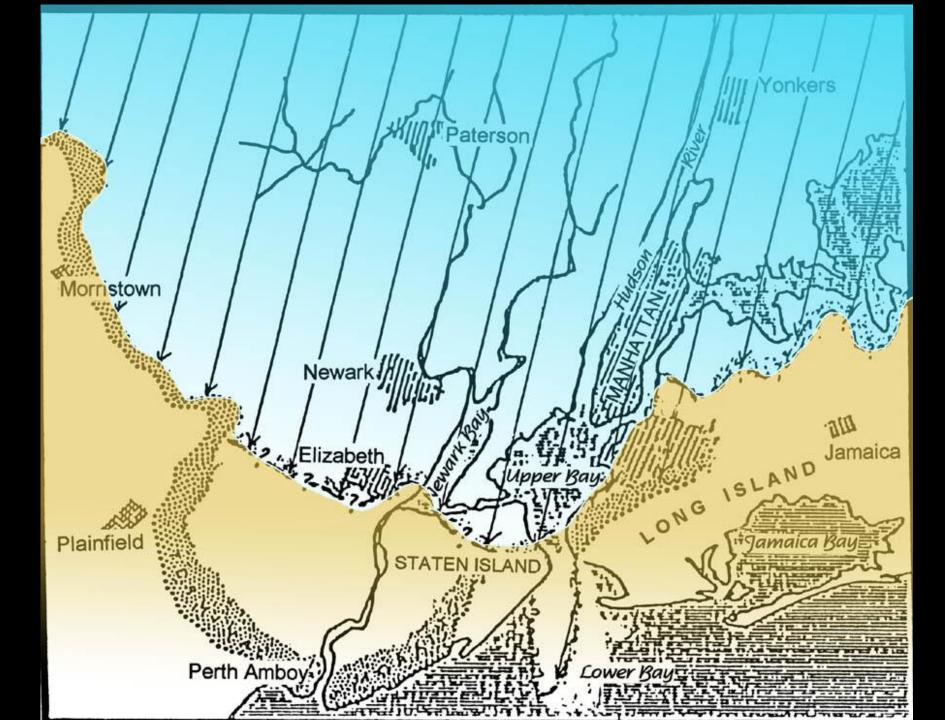




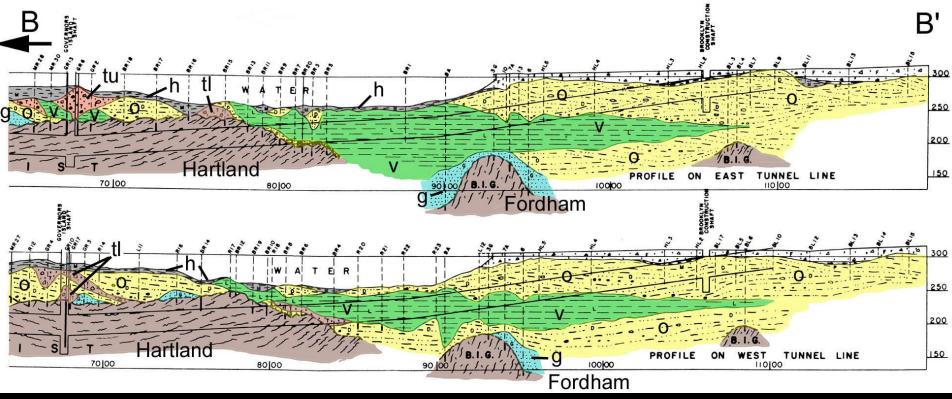


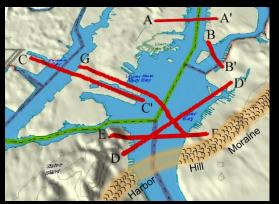






## **Brooklyn Battery Tunnel**





**Berkey (1948)**