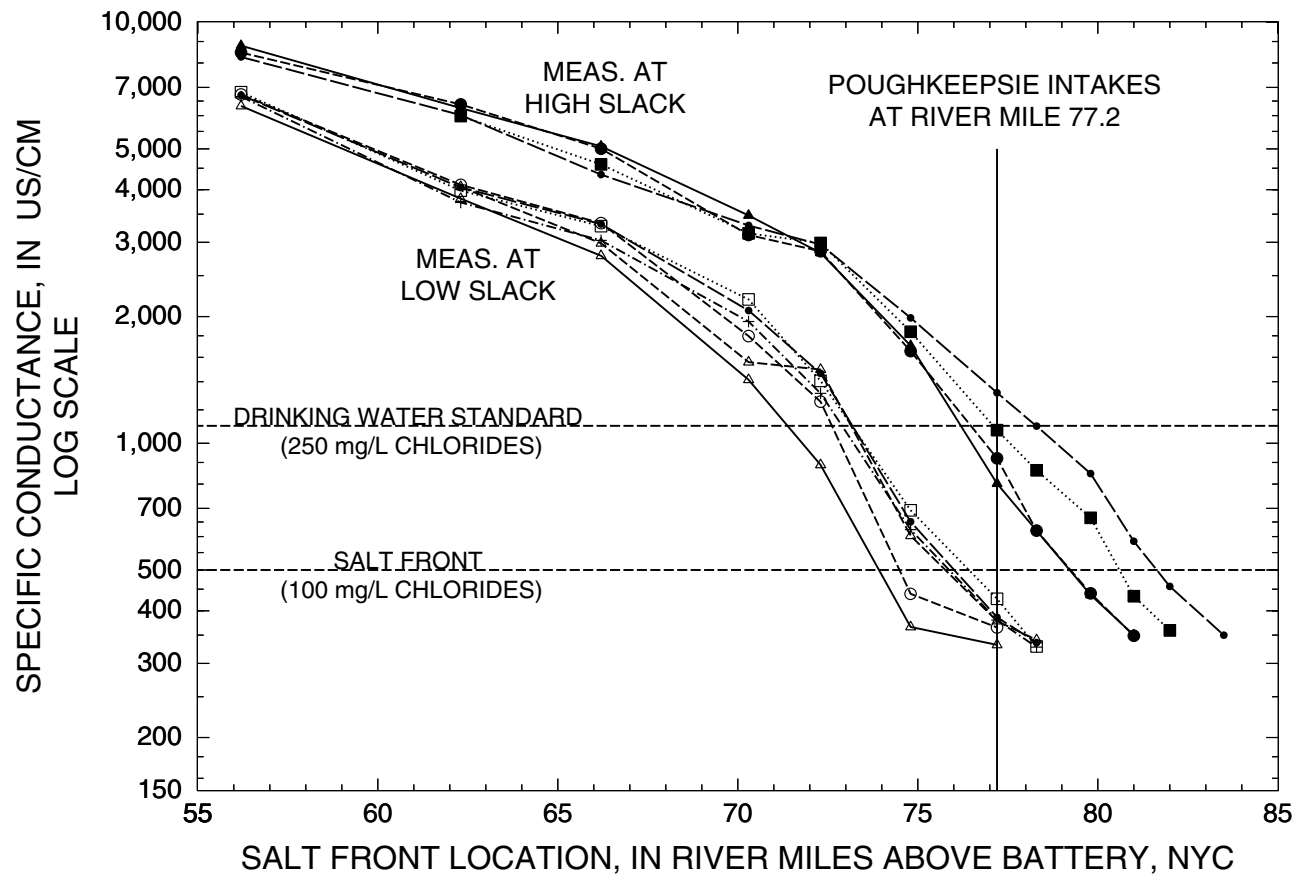


U.S. GEOLOGICAL SURVEY DATA SALT FRONT LOCATION AT HIGH OR LOW SLACK TIDE DISTANCE FROM POUGHKEEPSIE INTAKES



Low = Low slack and distance from intakes of the 250- and 100-mg/L isochlor:
- is miles downstream
+ is miles upstream

High = High slack and distance isochlor moved between consecutive high and low tides, in miles. Mean travel of the 250 mg/L isochlor was 4.5 mi; 100 mg/L isochlor was 5.0 mi.

Mean separation between 250- and 100-mg/L isochlor was 2.7 miles; range 1.8- to 3.5-miles.

Slack, 1995 Date, 250 mg/L Cl, 100 mg/L Cl

- △— Low, Wed. Aug. 30, -5.9, -3.4
- Low, Thur. Aug. 31, -4.6, -2.8
- ...□... Low, Tues. Sept. 5, -4.0, -0.8
- +-- Low, Wed. Sept. 6, -4.4, -1.4
- Low, Thur. Sept. 7, -4.0, -1.2
- △- Low, Fri. Sept. 8, -4.1, -1.5

- ▲— High, Wed. Aug. 30, 4.9, 5.4
- High, Thur. Aug. 31, 3.9, 4.8
- ...■... High, Tues. Sept. 5, 3.9, 4.2
- ◆- High, Thur. Sept. 7, 5.1, 5.6