

# Deposition and ecosystem processing of atmospheric mercury

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## ABSTRACT

Between December 1992 and December 1995, total Hg concentrations in precipitation were monitored at the high-storm-reception towers at Nettle Brook, Vermont, with a mean of 0.5 ng/L.

During 1995, total Hg concentrations in stream-water continued to be monitored in Nettle Brook.

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**COOPERATORS**

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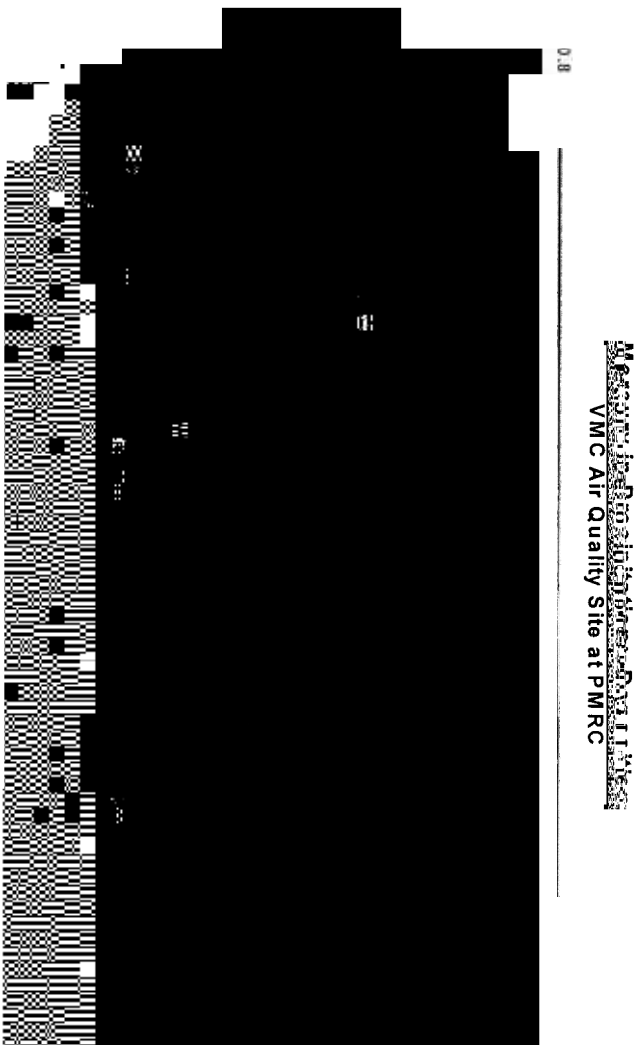


Figure 2. Mercury in Precipitation and Dry Deposition

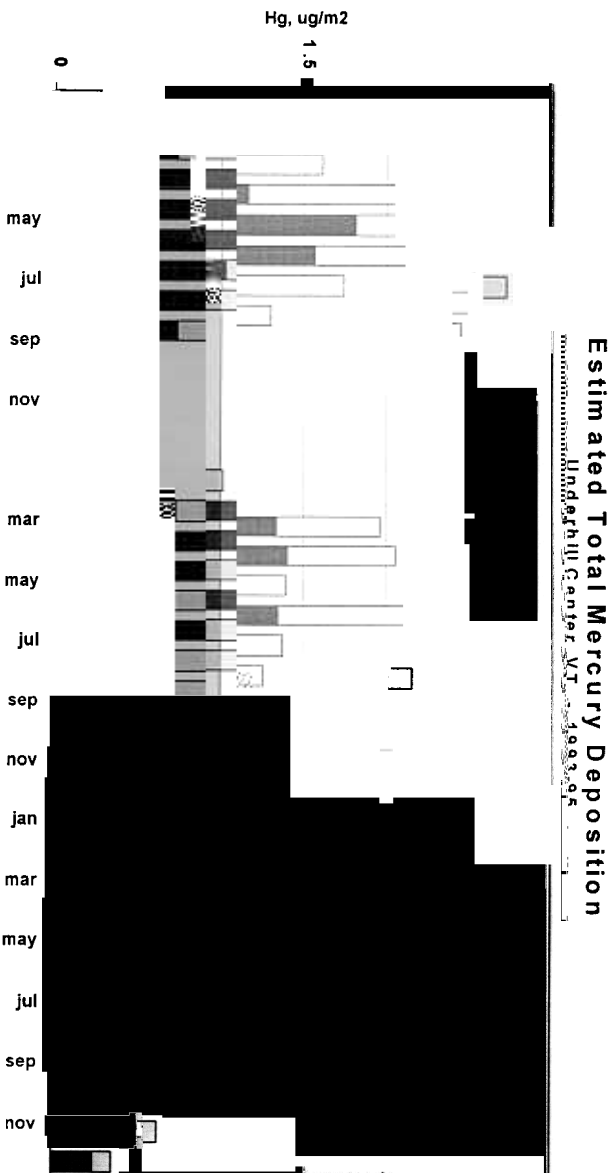


Figure 3. Monthly total wet and estimated dry (Vapor) deposition, 1992 - 1995.

# Mercury Vapor Concentration 1992-1995

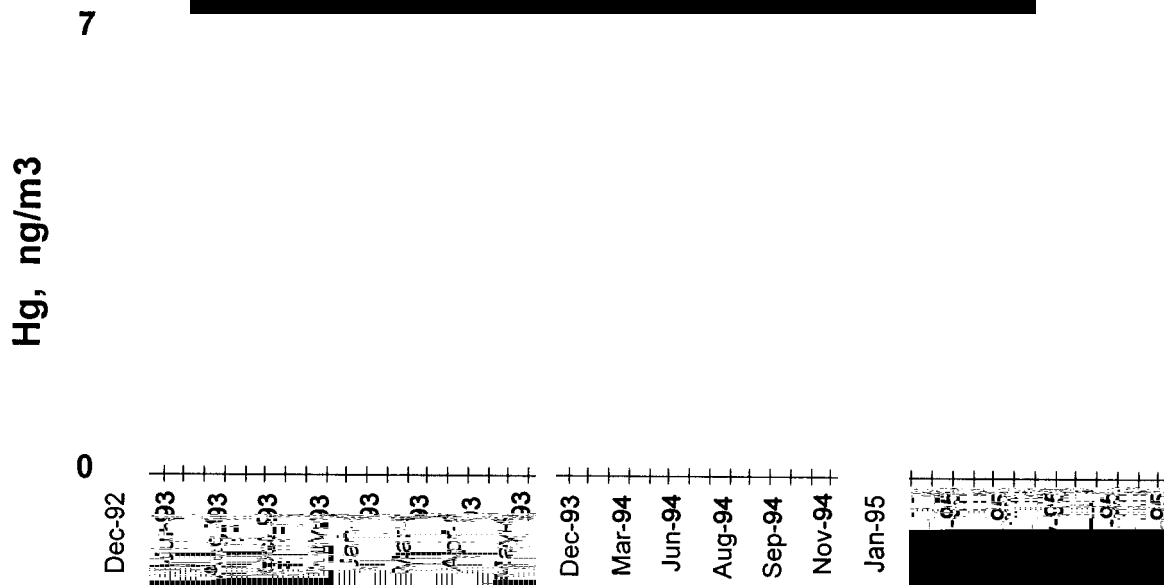
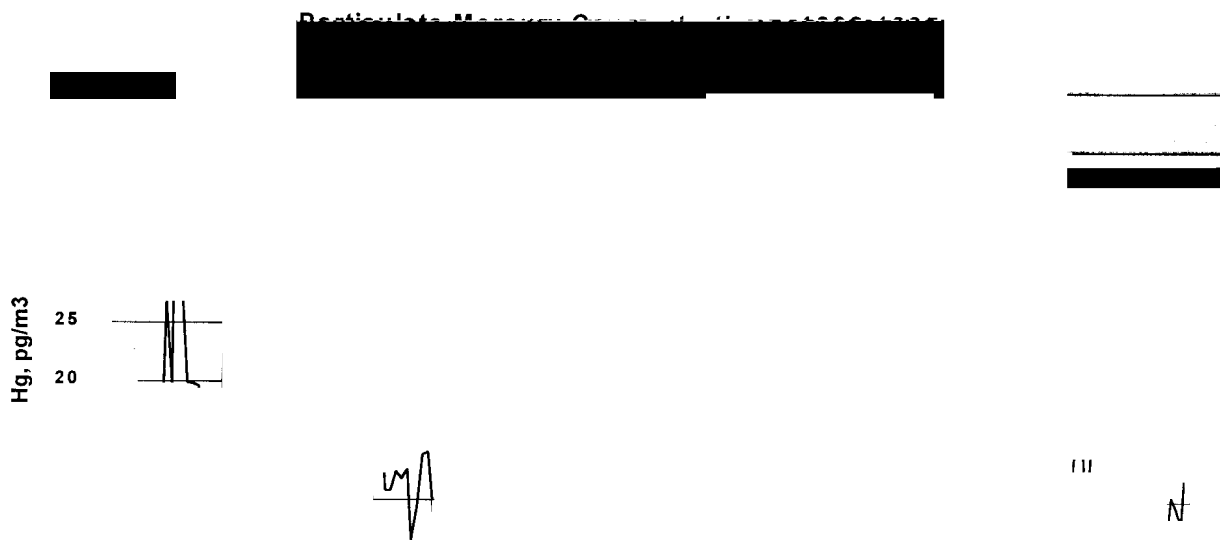


Figure 4. Weekly vapor Hg concentrations, 1992 - 1995.



Annual Total Ha Flux, Nettle Brook: 1994-95

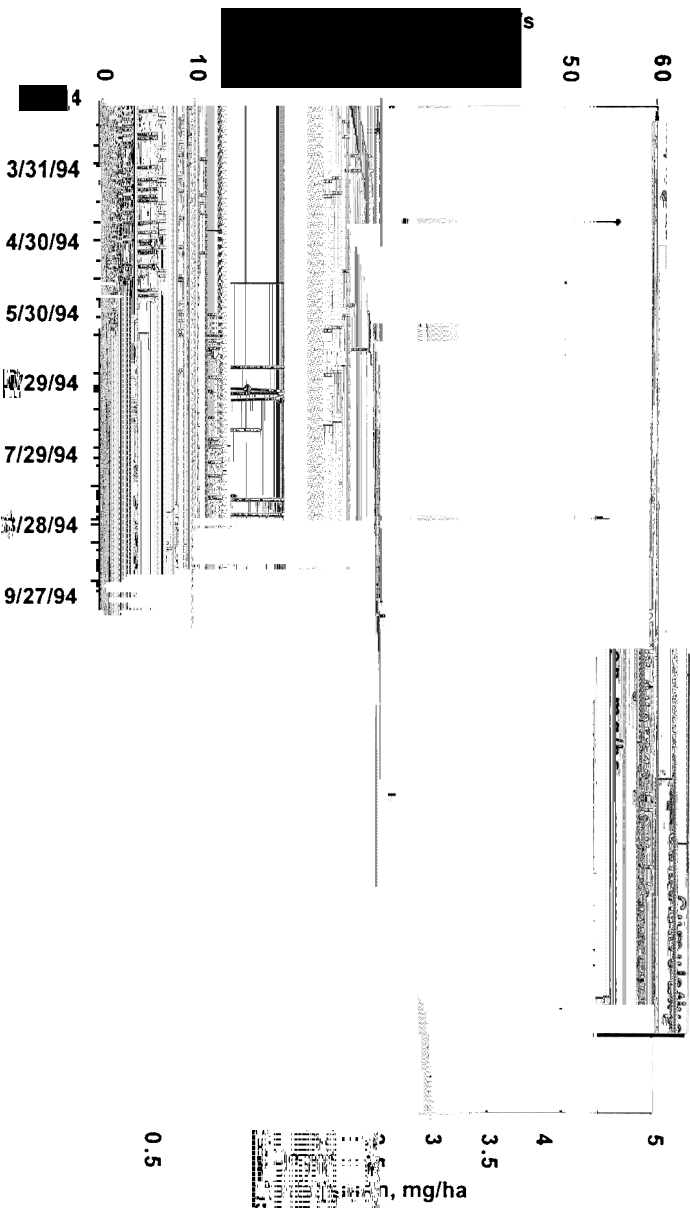


Fig. 9. Cumulative stream export of H<sub>10</sub> from Nettle Brook catchment stream, 3/31/94 to 9/27/94.

Year	Net Retention in Catchment (mg/ha)
1994	280
1995	134

Year	Stream Export (mg/ha)
1994-95	44
1994	132
1995	146

Year	Net Retention in Catchment (mg/ha)	Percentage (%)
1994-95	236	84%
1994	104	76%
1995	132	91%



IN THE FOREST GANGRY

Carl Waite and Tim Scherbatsky

