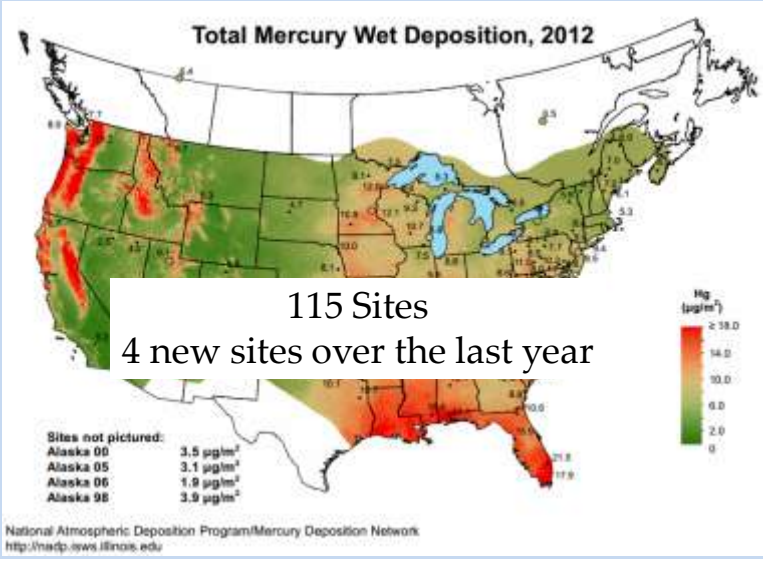
North American Update, #2

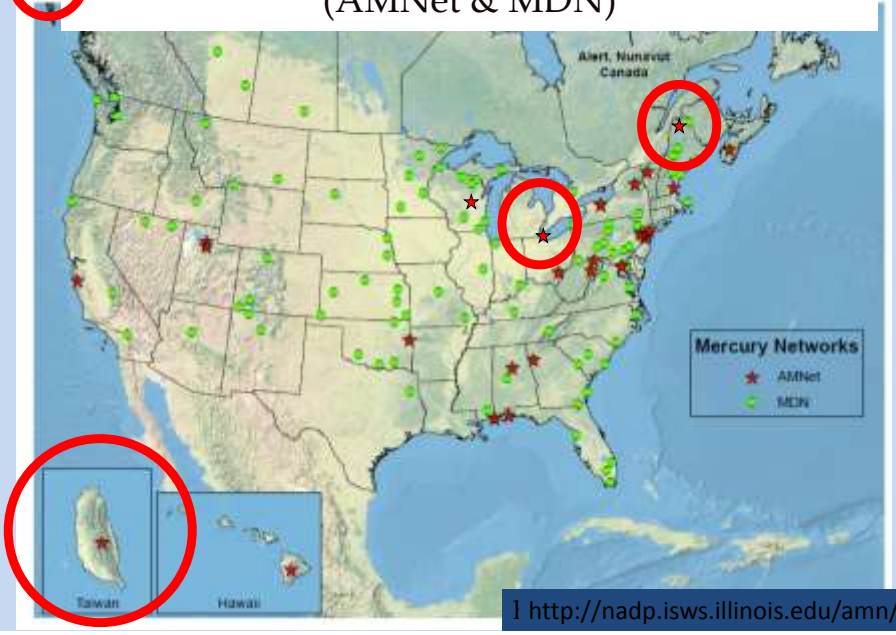
David Gay

Fish Advisories in the United States

New Mercury Deposition Network Sites (MDN, wet deposition)



NADP's Mercury Networks (AMNet & MDN)



1 http://nadp.isws.illinois.edu/amn/

Proposed: Estimate Dry Deposition at AMNet Sites

- Weekly GOM, PBM, and GEM (downward)
- flux (*F*) = *air concentration x dry deposition velocity* (V_d)

$$F = V_{deposition} * Concentration_{air}$$

where:

$$V_d = \frac{1}{R_a + R_b + R_c}$$

- R_a as aerodynamic resistance, R_b as quasi-laminar resistance, and R_c as canopy resistance

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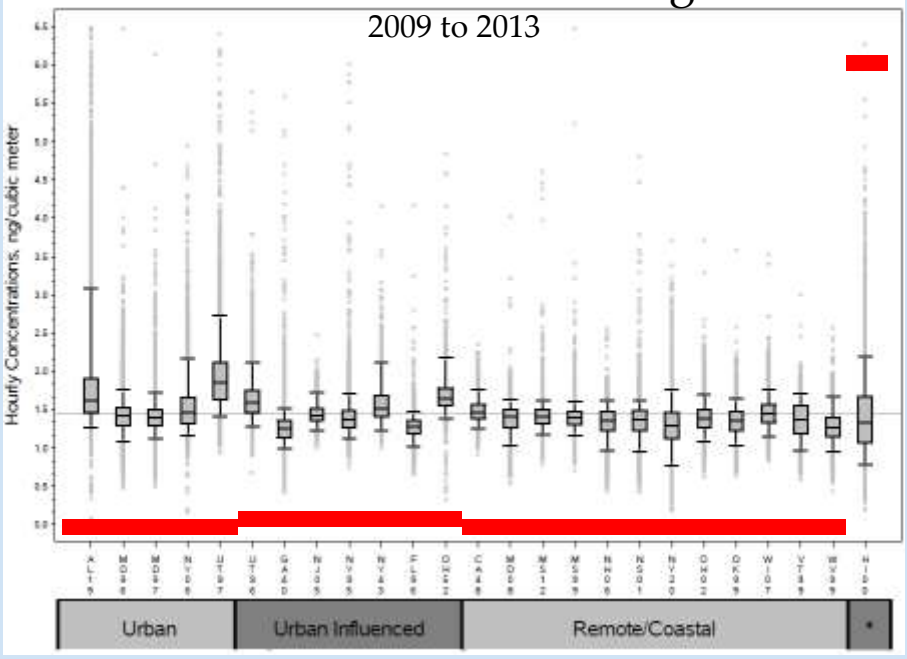
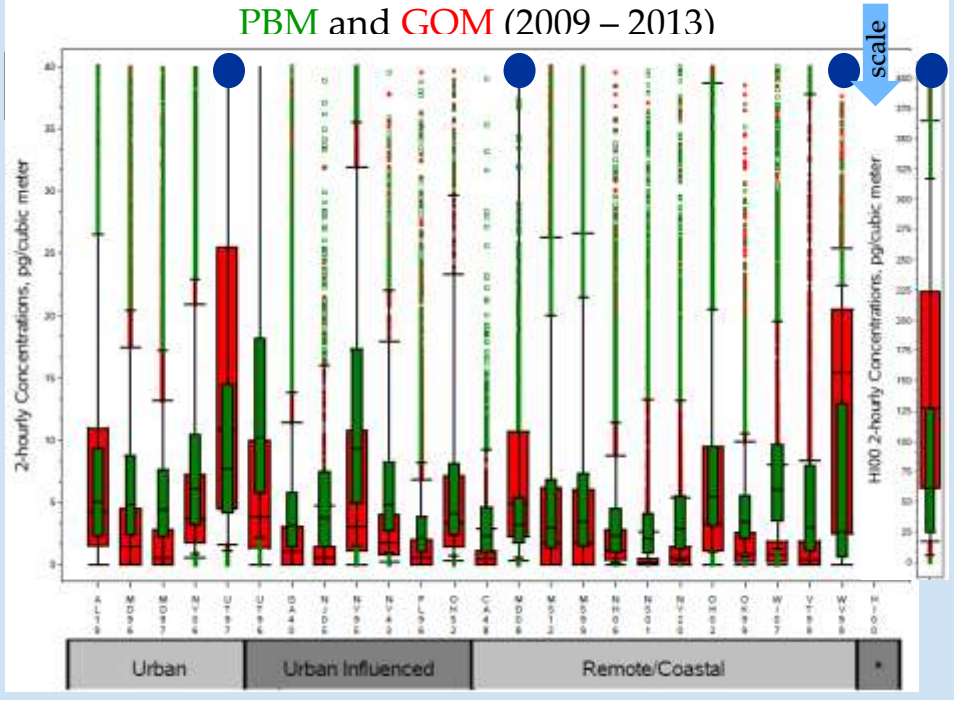
Total Deposition Of Mercury

Gaseous Elemental Hg

2009 to 2013



PBM and GOM (2009 – 2013)