

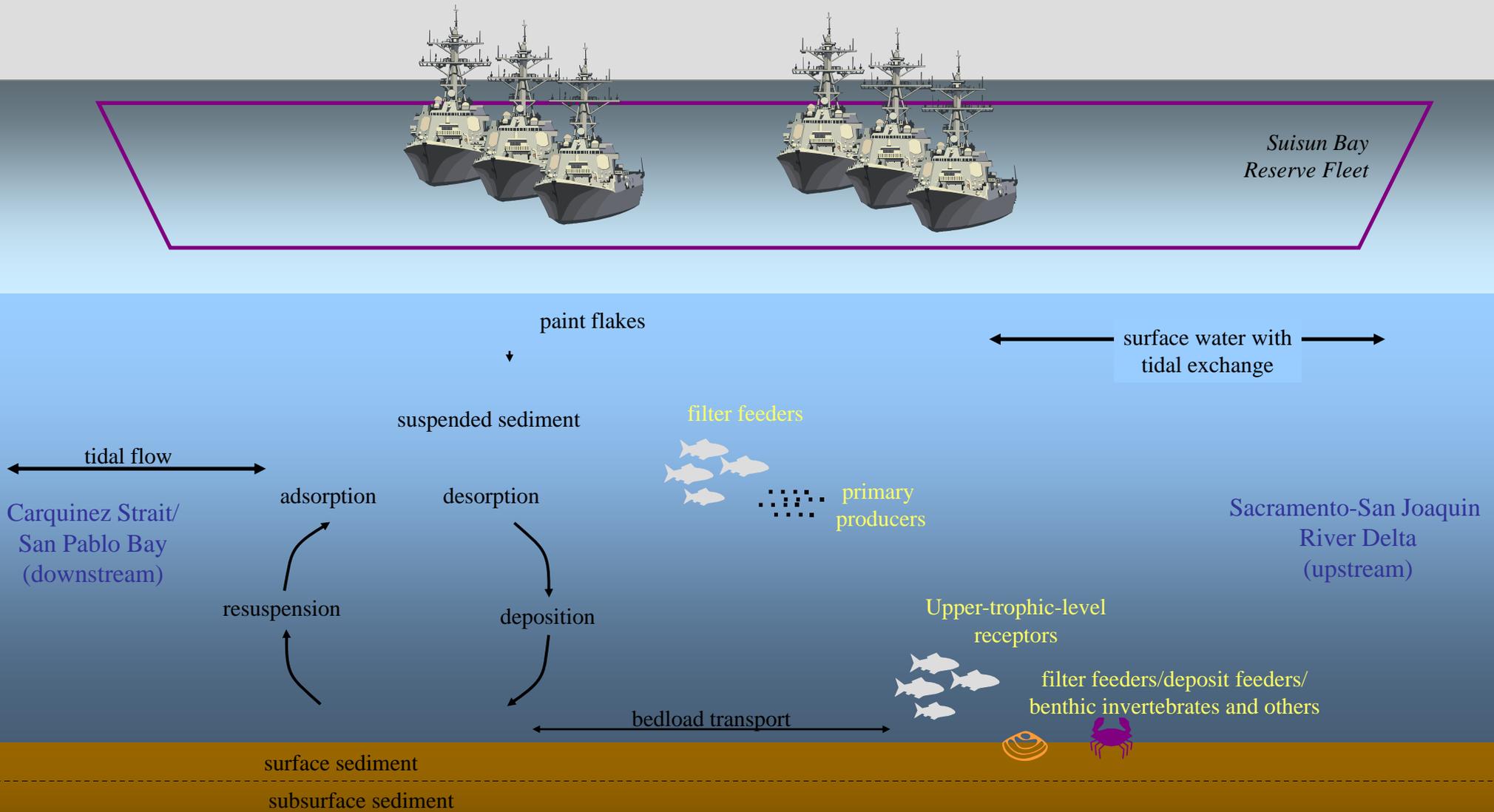
Figures

Assessment of Environmental Contaminants Associated with the National Defense Reserve Fleet In Suisun Bay, California

February 2009

Prepared by the
**National Oceanic and Atmospheric Administration,
Office of Response and Restoration**

Figure 1. Simplified conceptual model of contaminant transport and exposure pathways



Notes:
 Bagged mussels (*Mytilus*) represent integration of water and suspended sediment pathway (exposure to filter feeders)
Corbula represent sediment pathways (bottom filter feeders)

Figure 2. Sediment Sampling Methodology

Modified Van Veen Grab Sampler (surface stations)



Vibrocore (subsurface stations)

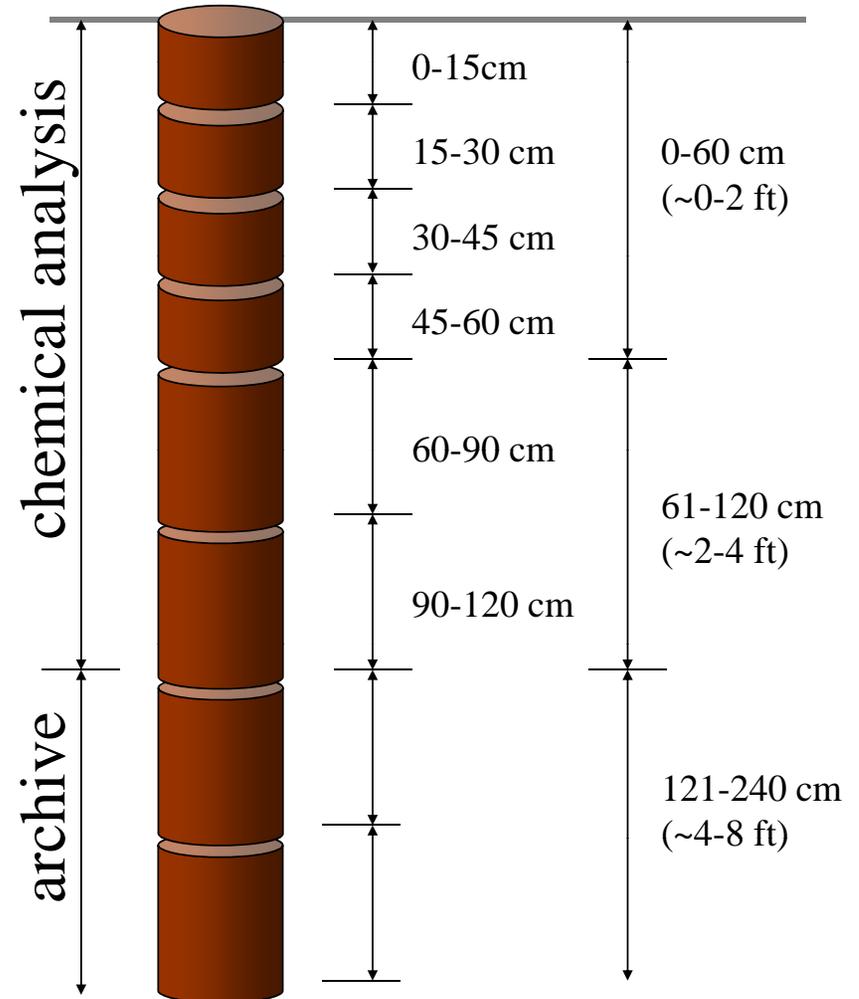
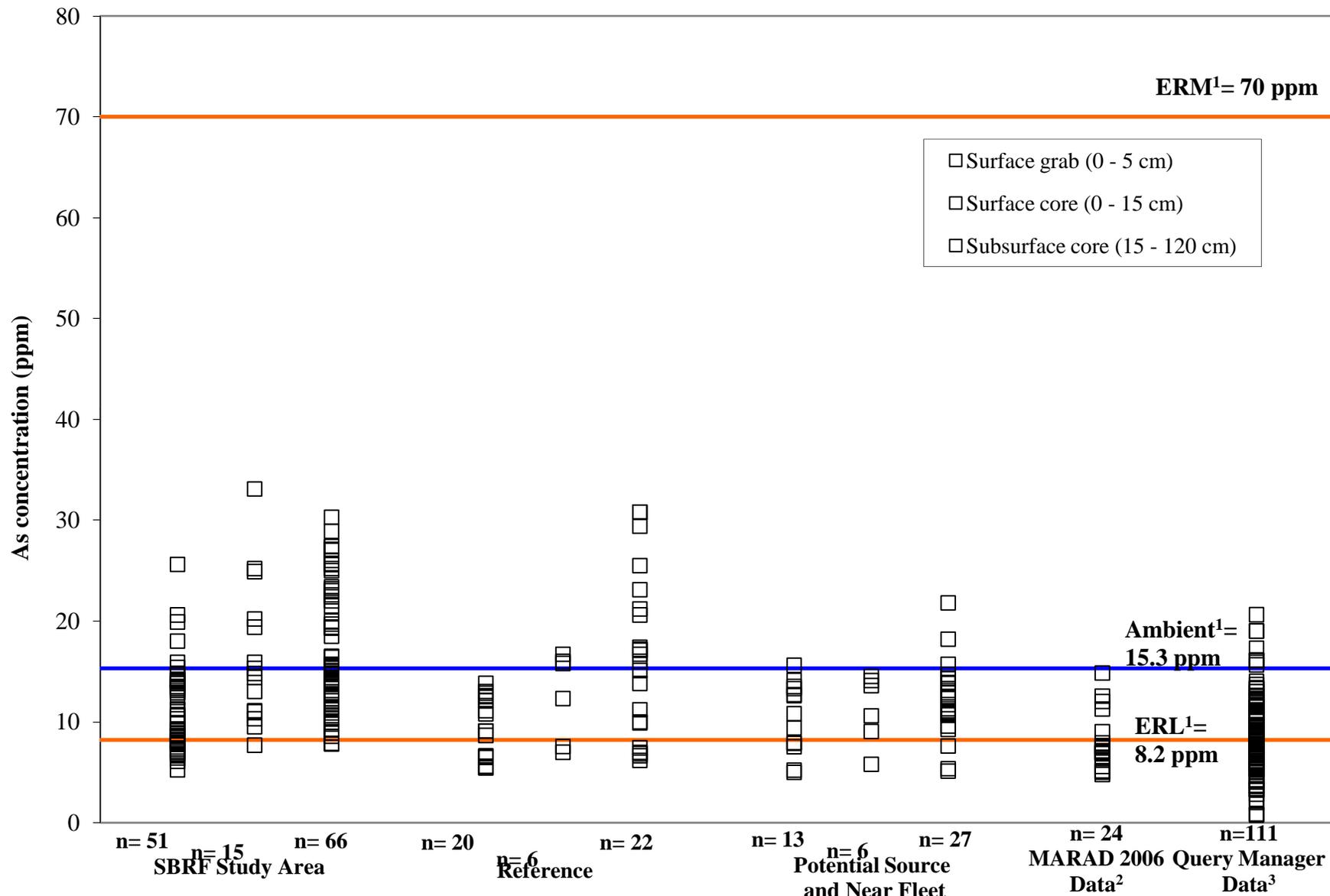


Figure 3. Arsenic Concentrations in Sediment from NOAA Suisun Bay Reserve Fleet Study, MARAD 2006 Study and Query Manager Database, including RMP and NS&T Data

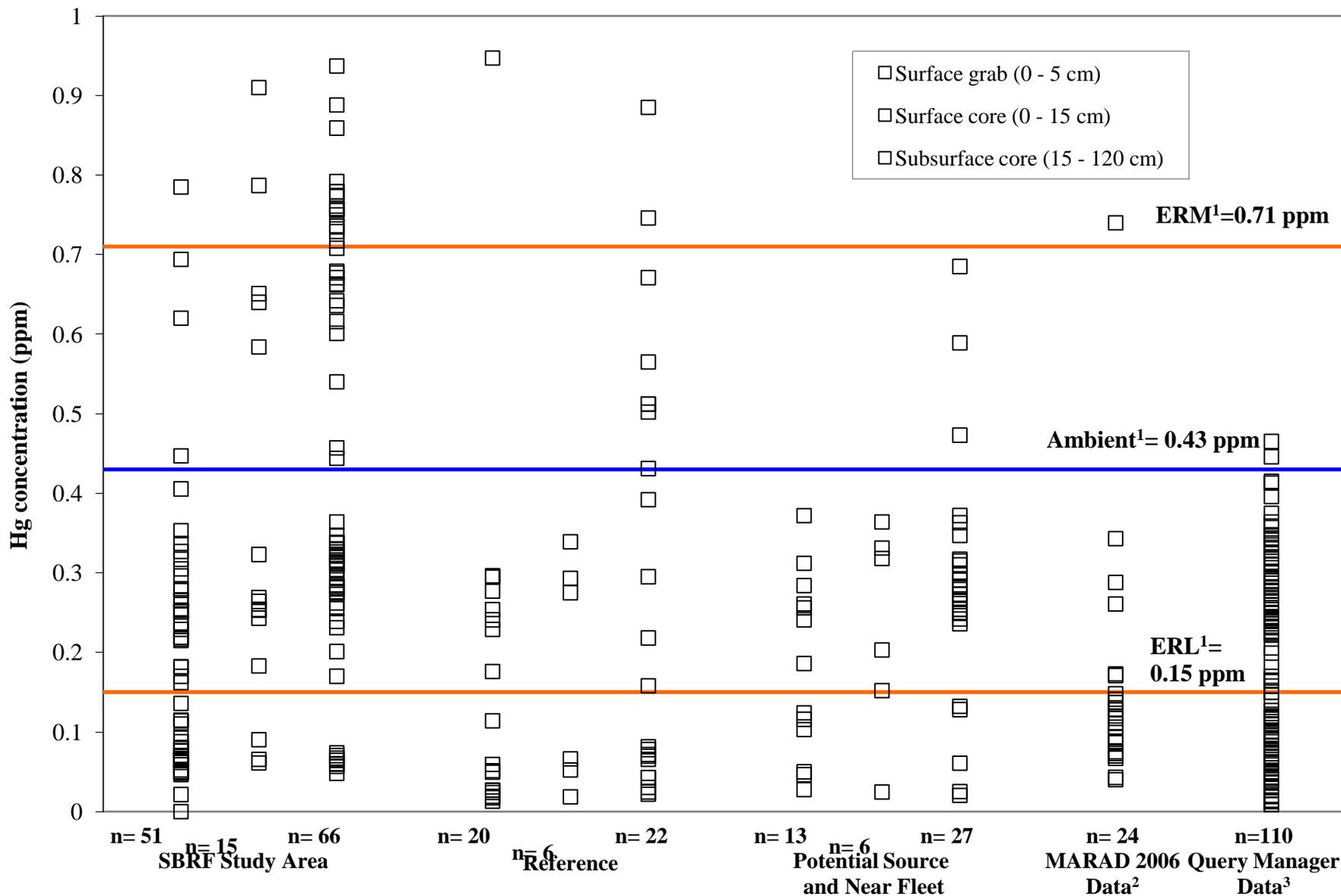


¹ERL and ERM concentrations from Long *et al.* (1995). SF Bay ambient concentration from SFEI (1997).

²RMEI (2007).

³NOAA (2008a).

Figure 4. Mercury Concentrations in Sediment from NOAA Suisun Bay Reserve Fleet Study, MARAD 2006 Study and Query Manager Database, including RMP and NS&T Data

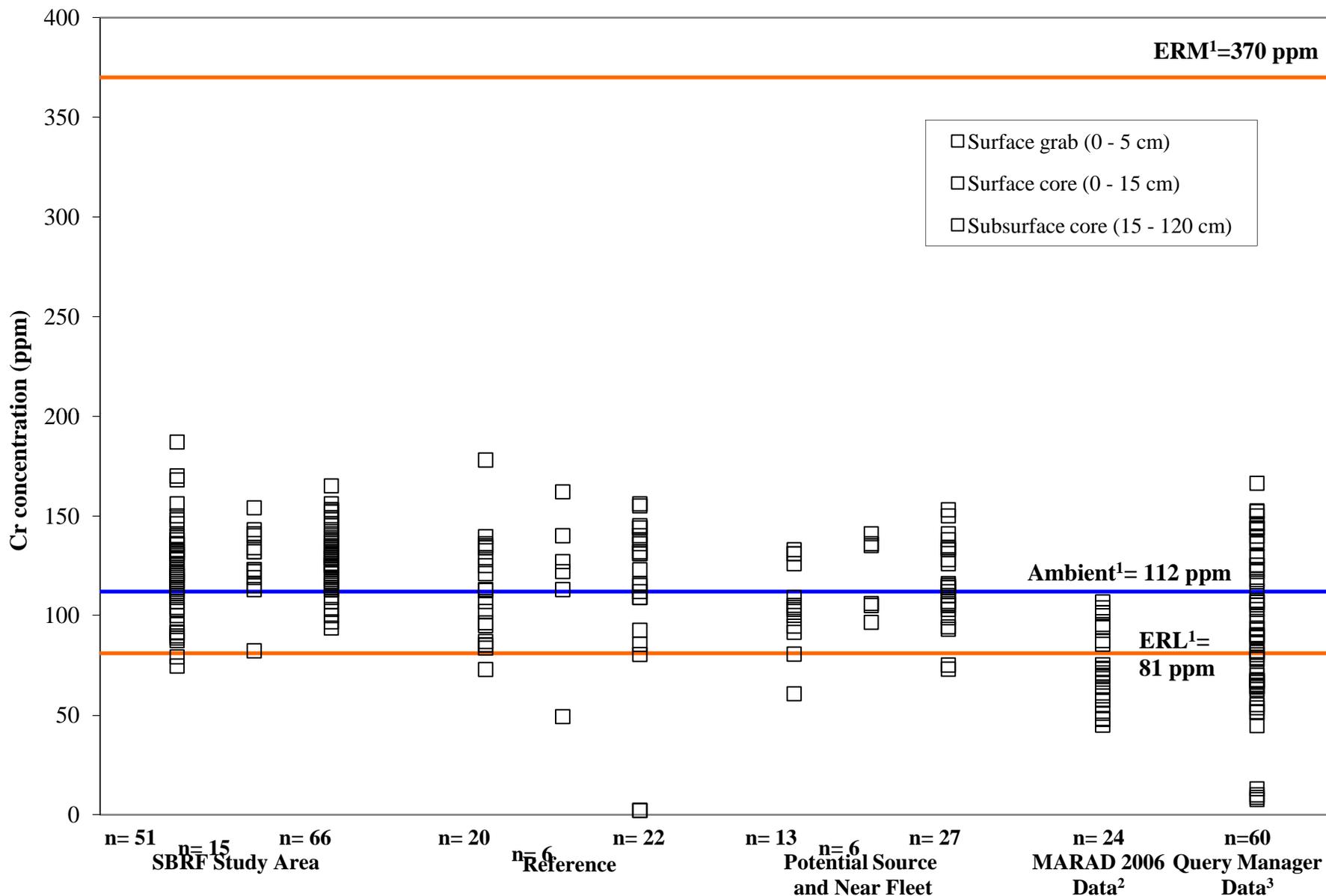


¹ERL and ERM concentrations from Long *et al.* (1995). SF Bay ambient concentration from SFEI (1997).

²RMEI (2007).

³NOAA (2008a).

Figure 5. Chromium Concentrations in Sediment from NOAA Suisun Bay Reserve Fleet Study, MARAD 2006 Study and Query Manager Database, including RMP and NS&T Data

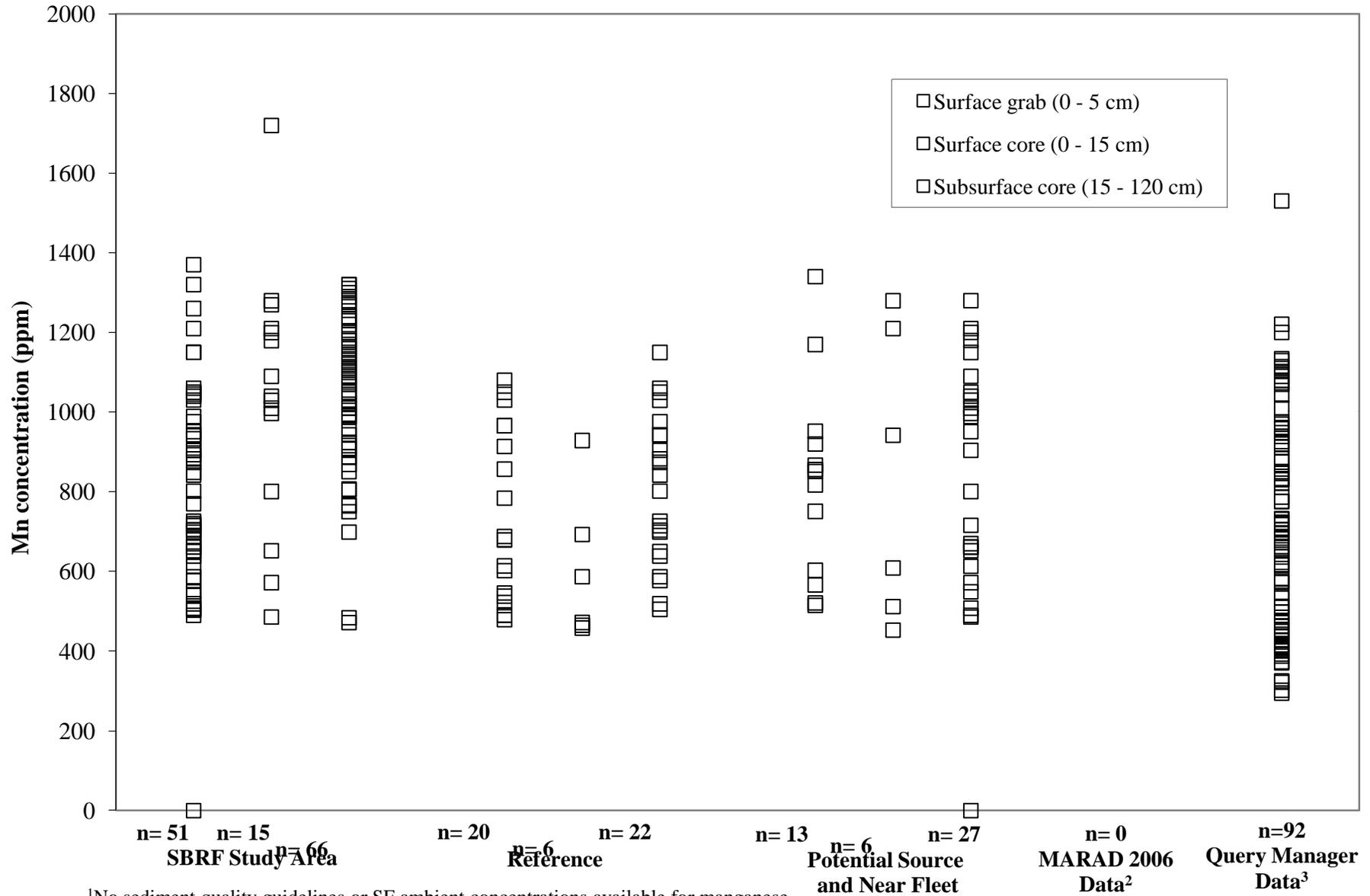


¹ERL and ERM concentrations from Long *et al.* (1995). SF Bay ambient concentration from SFEI (1997).

²RMEI (2007).

³NOAA (2008a).

Figure 6. Manganese Concentrations in Sediment from NOAA Suisun Bay Reserve Fleet Study, MARAD 2006 Study and Query Manager Database, including RMP and NS&T Data¹

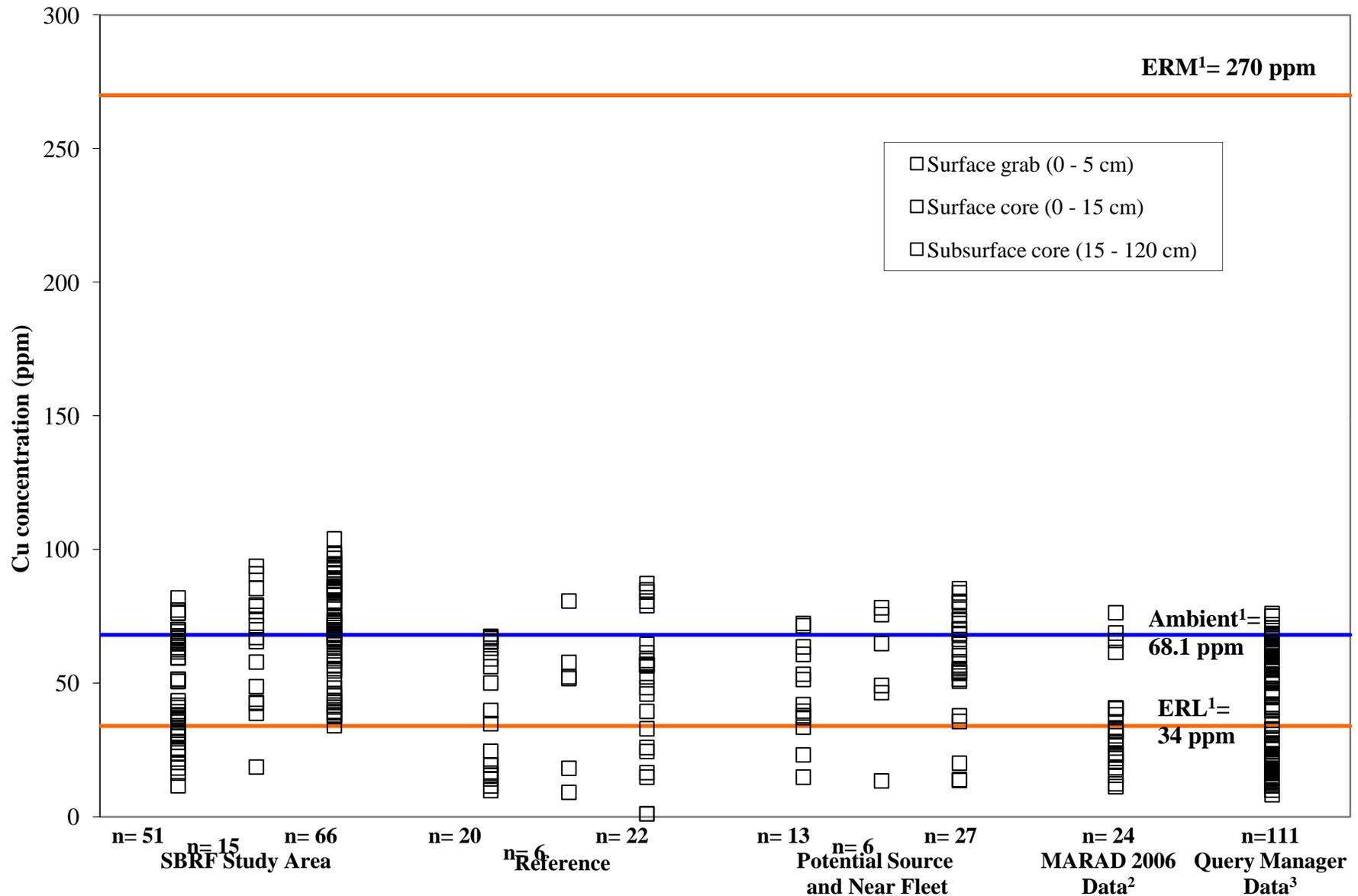


¹No sediment quality guidelines or SF ambient concentrations available for manganese

²RMEI (2007)

³NOAA (2008a)

Figure 7. Copper Concentrations in Sediment from NOAA Suisun Bay Reserve Fleet Study, MARAD 2006 Study and Query Manager Database, including RMP and NS&T Data

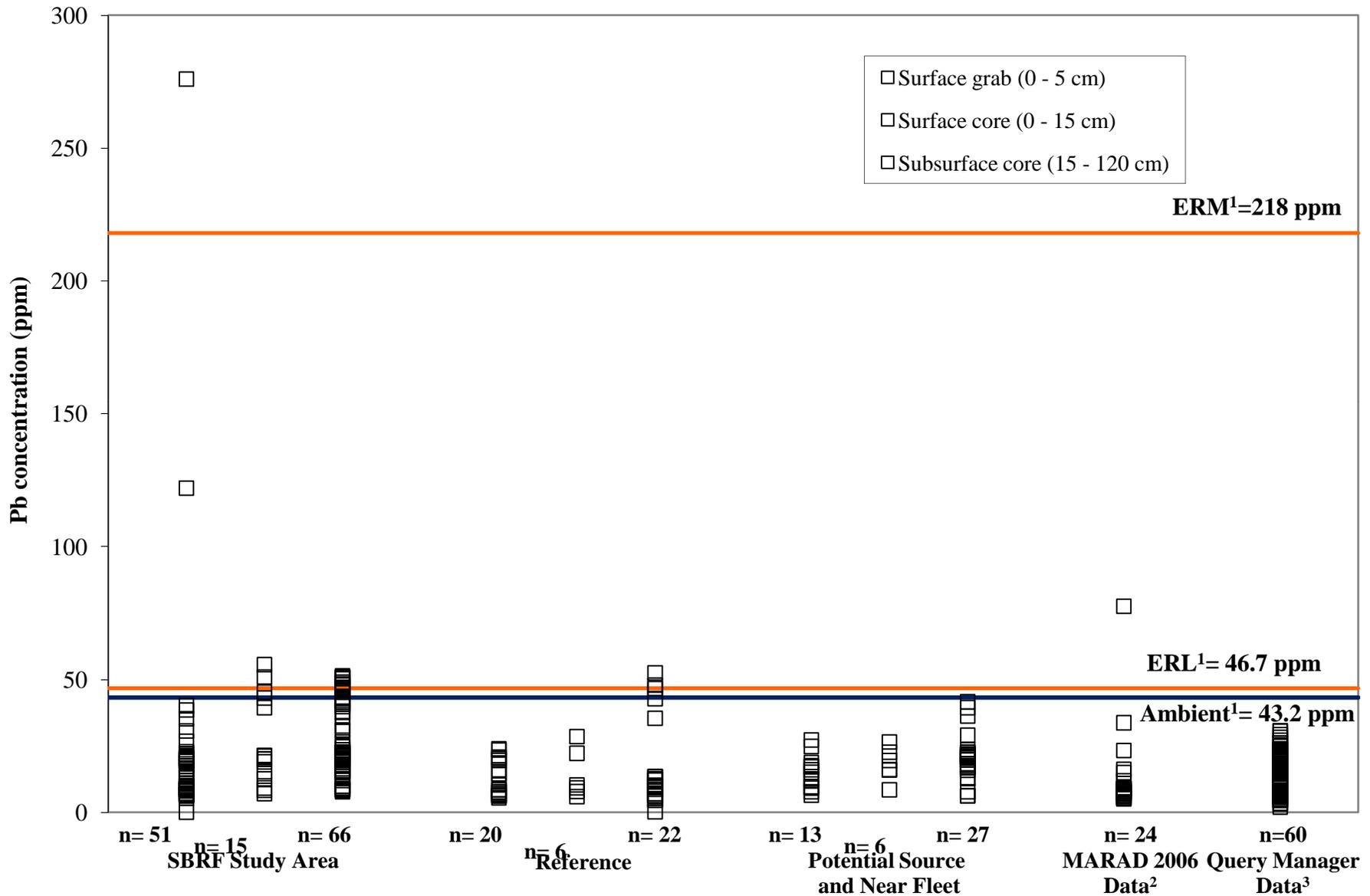


¹ERL and ERM concentrations from Long *et al.* (1995). SF Bay ambient concentration from SFEI (1997).

²RMEI (2007).

³NOAA (2008a).

Figure 8. Lead Concentrations in Sediment from NOAA Suisun Bay Reserve Fleet Study, MARAD 2006 Study and Query Manager Database, including RMP and NS&T Data

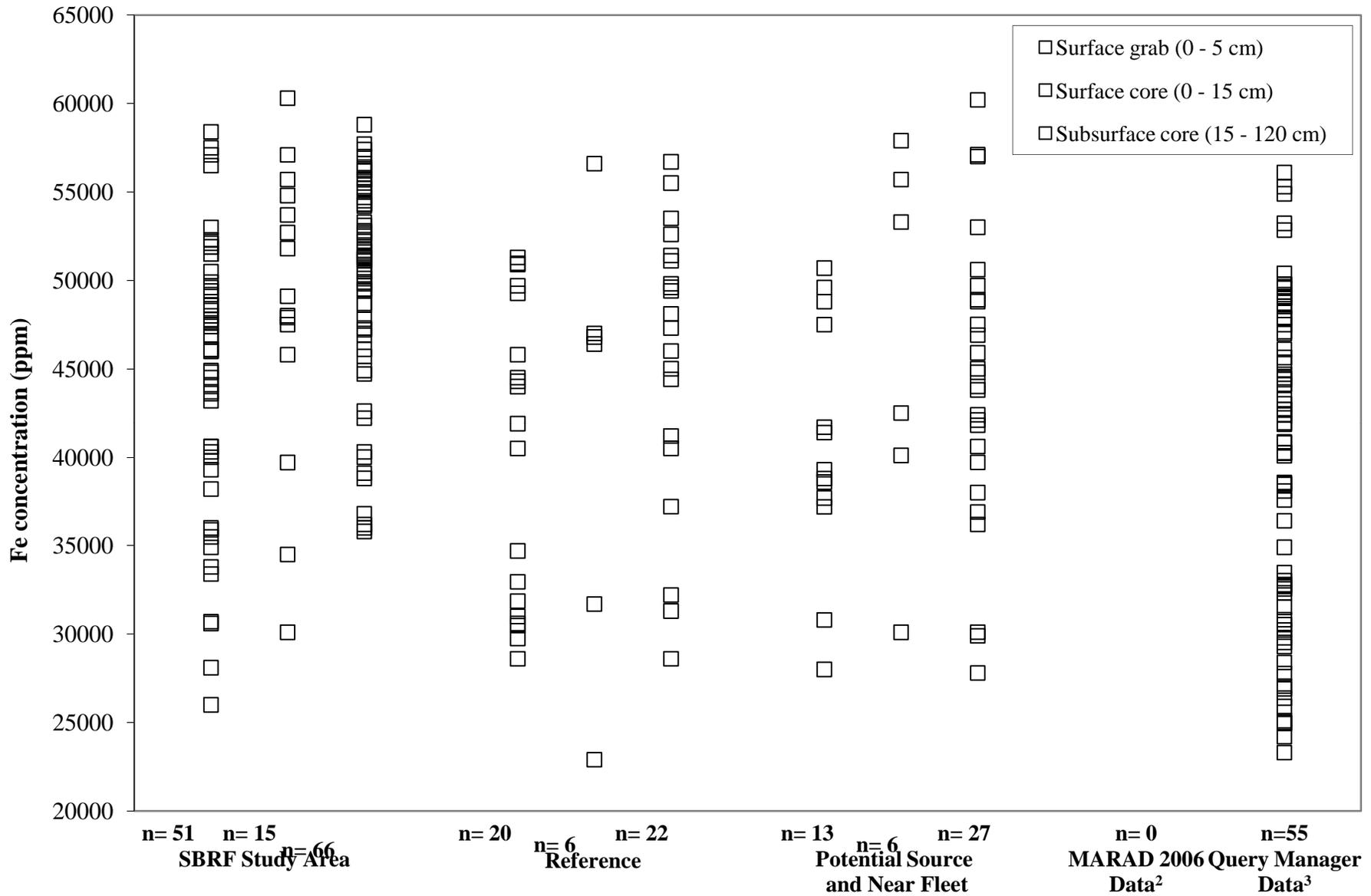


¹ERL and ERM concentrations from Long *et al.* (1995). SF Bay ambient concentration from SFEI (1997).

²RMEI (2007).

³NOAA (2008a).

Figure 9. Iron Concentrations in Sediment from NOAA Suisun Bay Reserve Fleet Study, MARAD 2006 Study and Query Manager Database, including RMP and NS&T Data¹

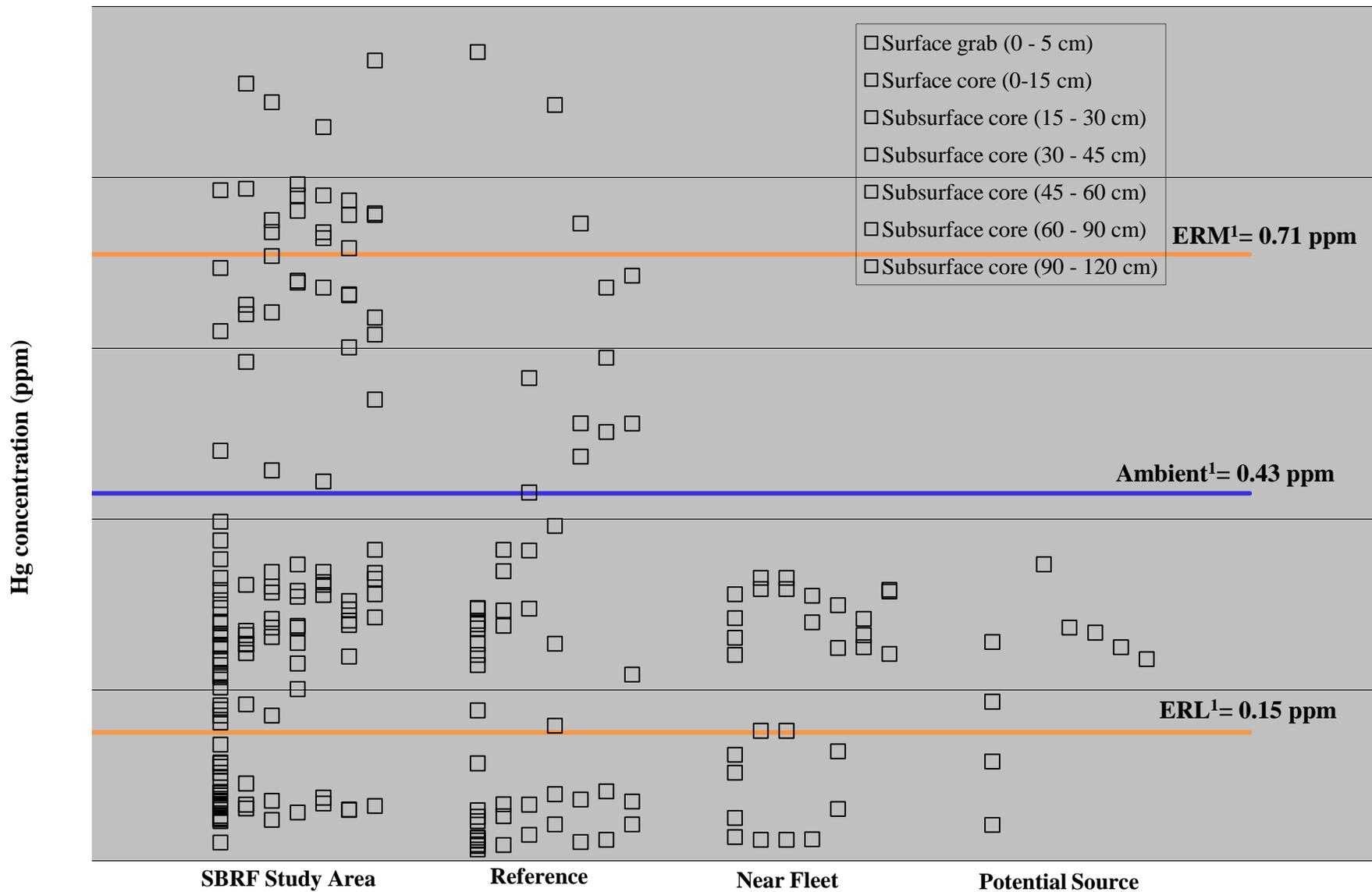


¹No sediment quality guidelines or SF ambient concentrations available for iron.

²RMEI (2007).

³NOAA (2008a).

Figure 10. Mercury Concentrations in Sediment from NOAA Suisun Bay Reserve Fleet Study



¹RRL and ERM concentrations from Long *et al.* (1995). SF Bay ambient concentrations from SFEI (1997).