

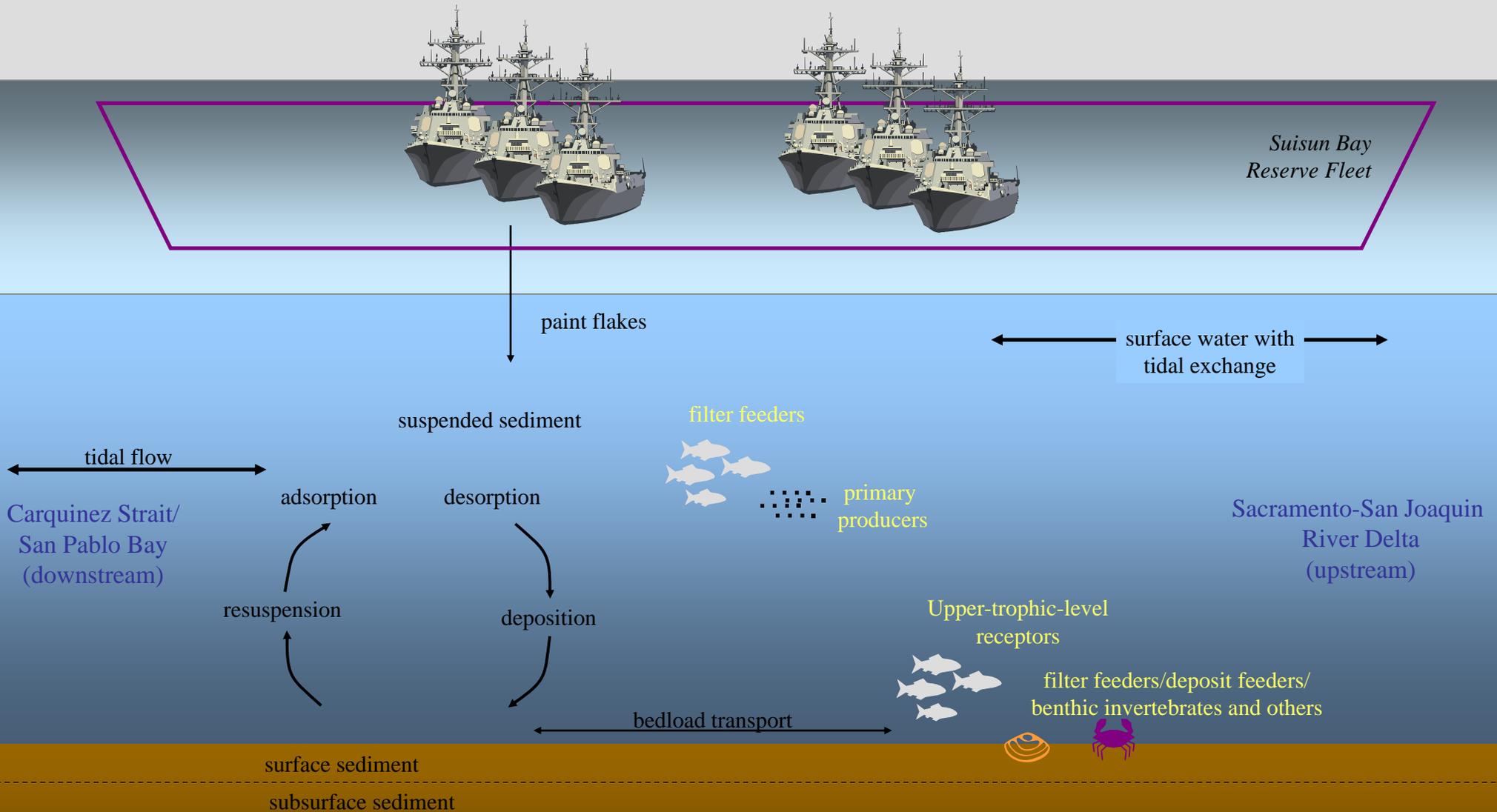
# **Figures**

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

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**National Oceanic and Atmospheric Administration,  
Office of Response and Restoration**

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



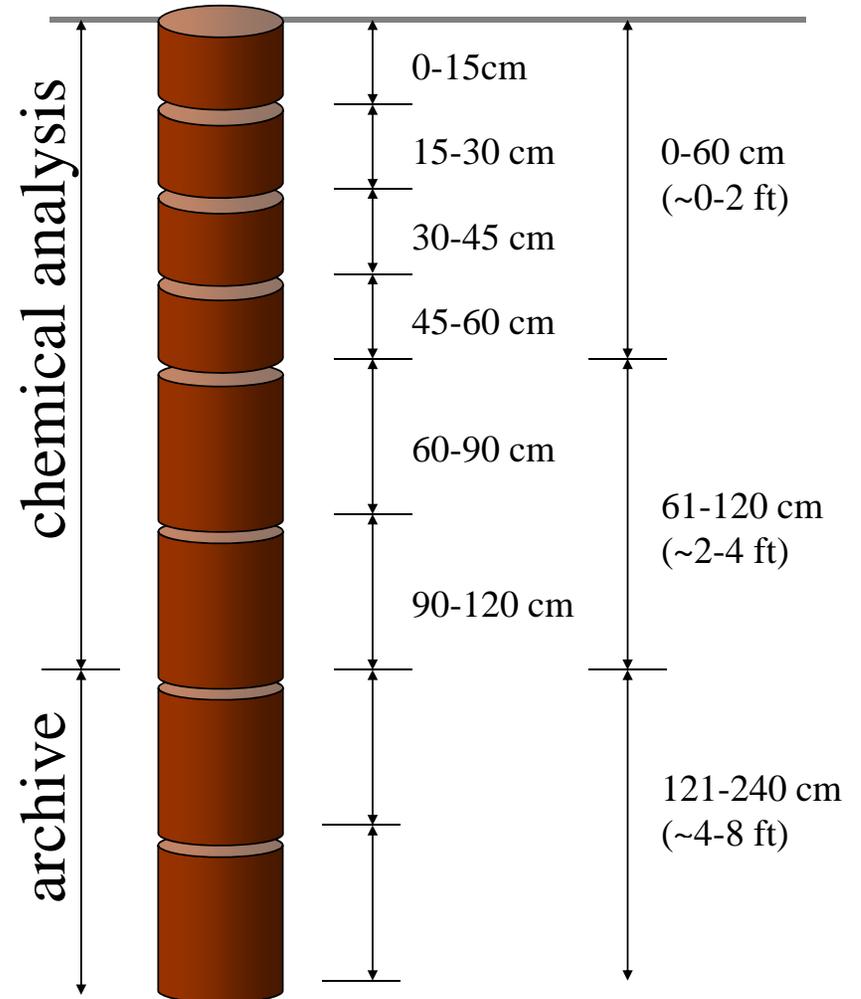
Notes:  
 Bagged mussels (*Mytilus*) represent integration of water and suspended sediment pathway (exposure to filter feeders)  
*Corbula* represent sediment pathways (bottom filter feeders)

## Figure 2. Sediment Sampling Methodology

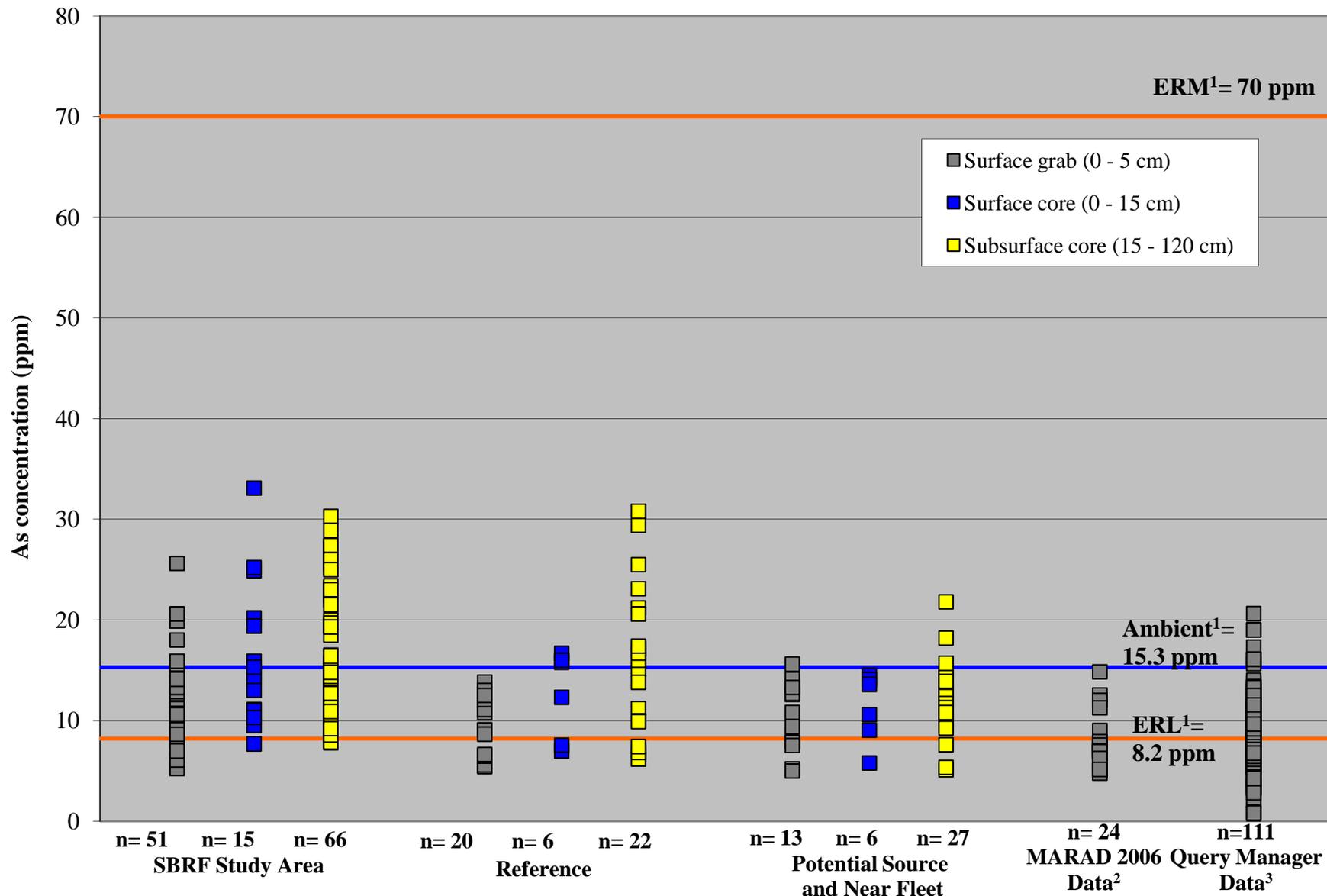
### Modified Van Veen Grab Sampler (surface stations)



### 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**

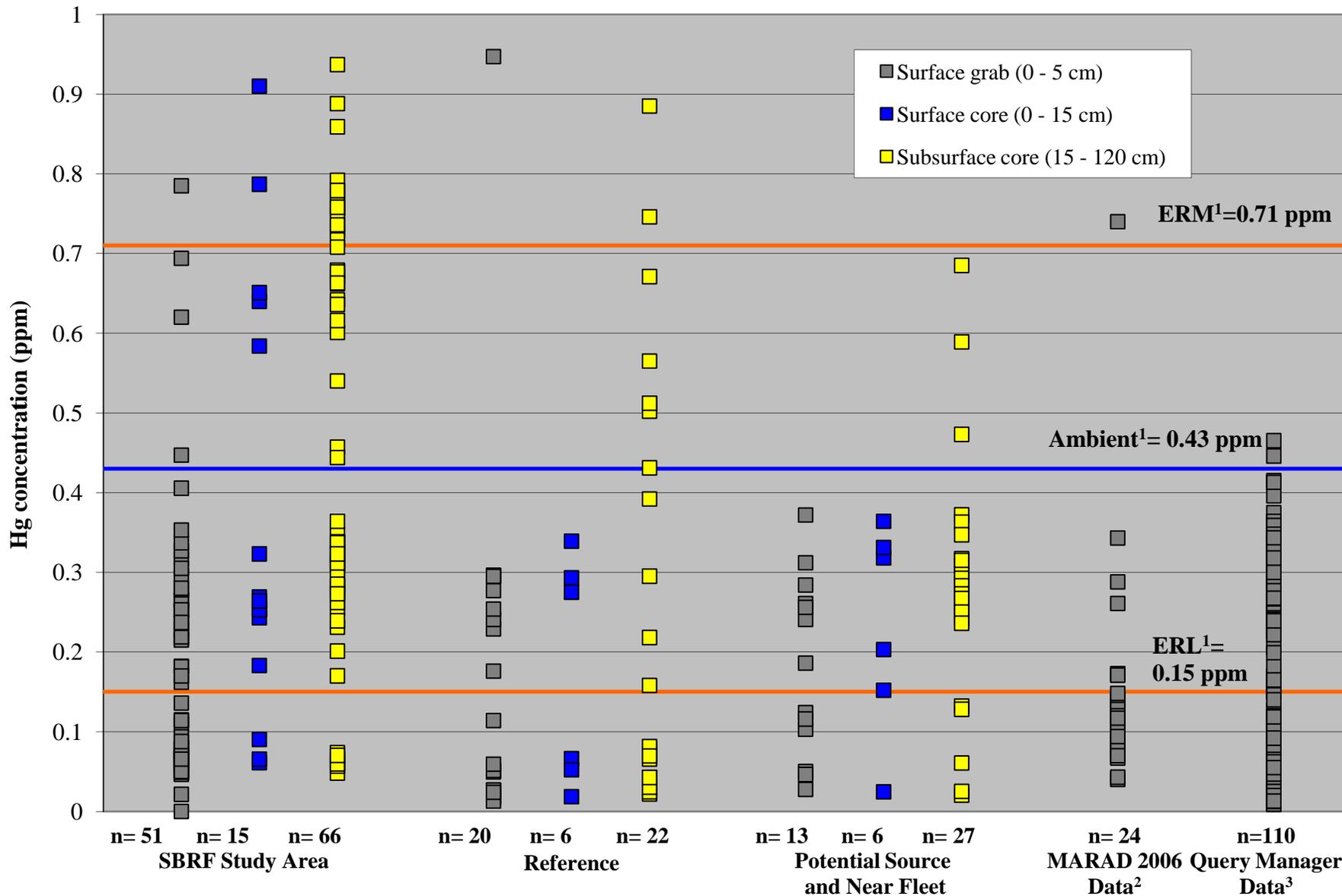


<sup>1</sup>ERL and ERM concentrations from Long *et al.* (1995). SF Bay ambient concentration from SFEI (1997).

<sup>2</sup>RMEI (2007).

<sup>3</sup>NOAA (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**

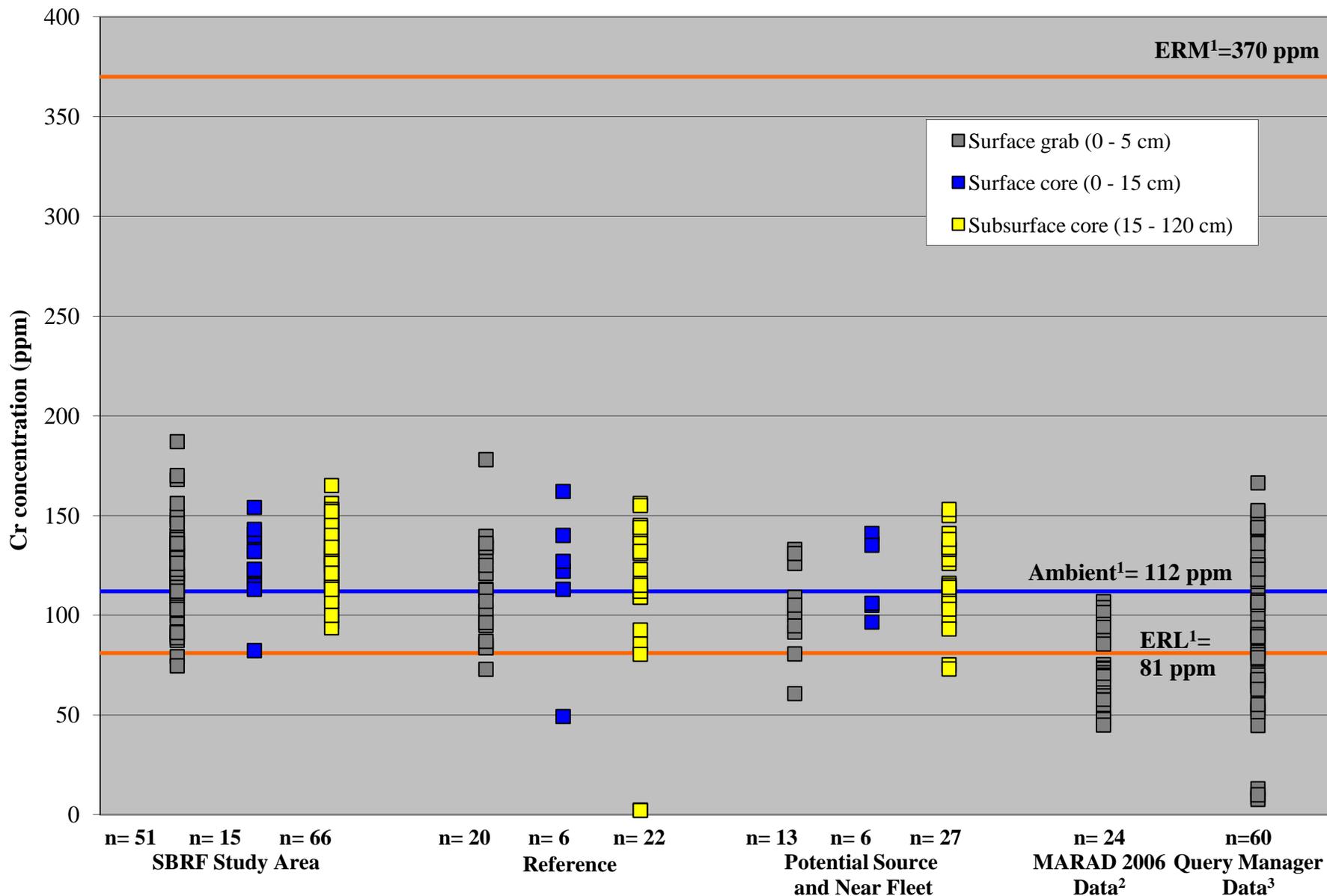


<sup>1</sup>ERL and ERM concentrations from Long *et al.* (1995). SF Bay ambient concentration from SFEI (1997).

<sup>2</sup>RMEI (2007).

<sup>3</sup>NOAA (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**

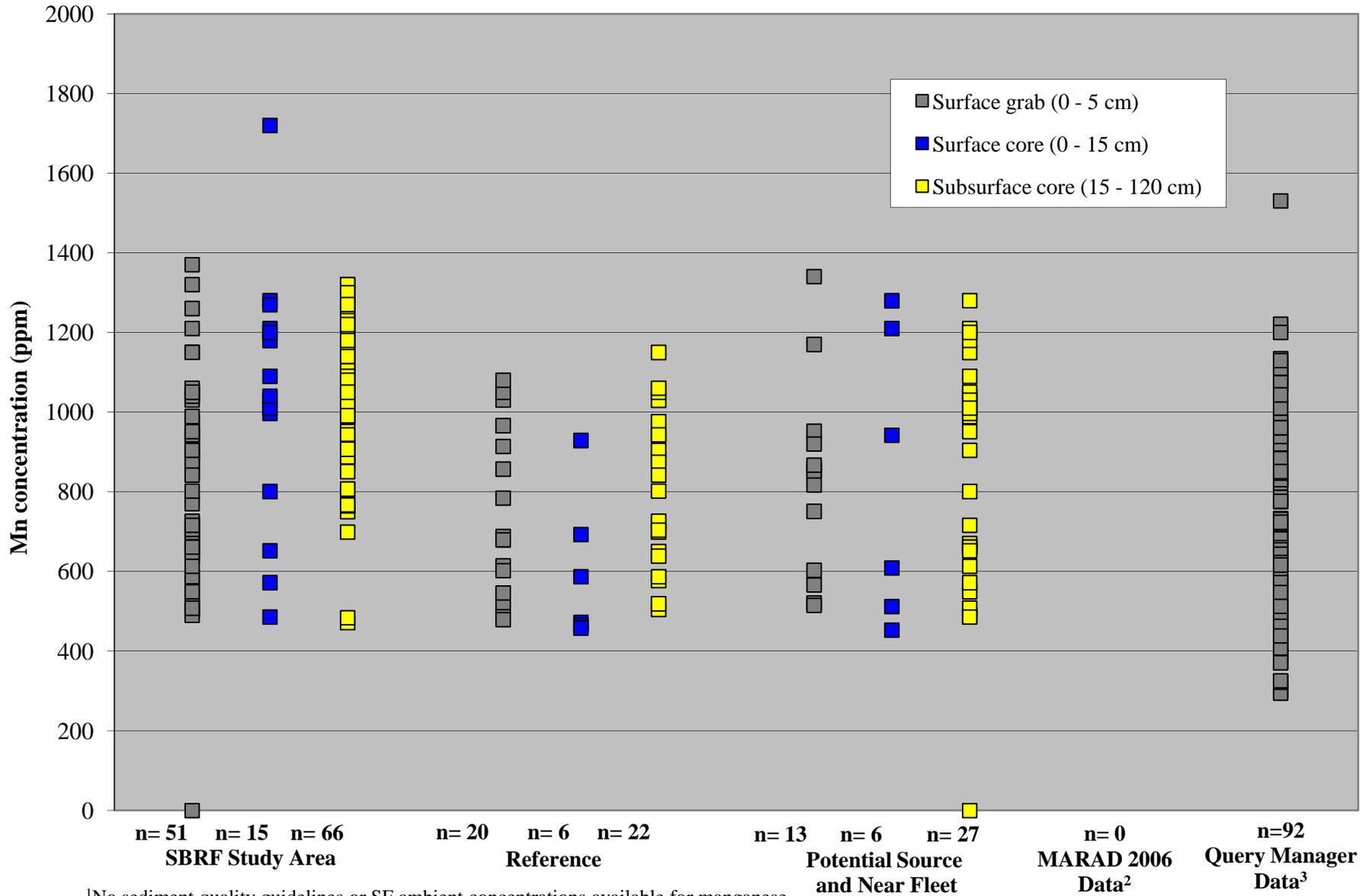


<sup>1</sup>ERL and ERM concentrations from Long *et al.* (1995). SF Bay ambient concentration from SFEI (1997).

<sup>2</sup>RMEI (2007).

<sup>3</sup>NOAA (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 Data<sup>1</sup>**

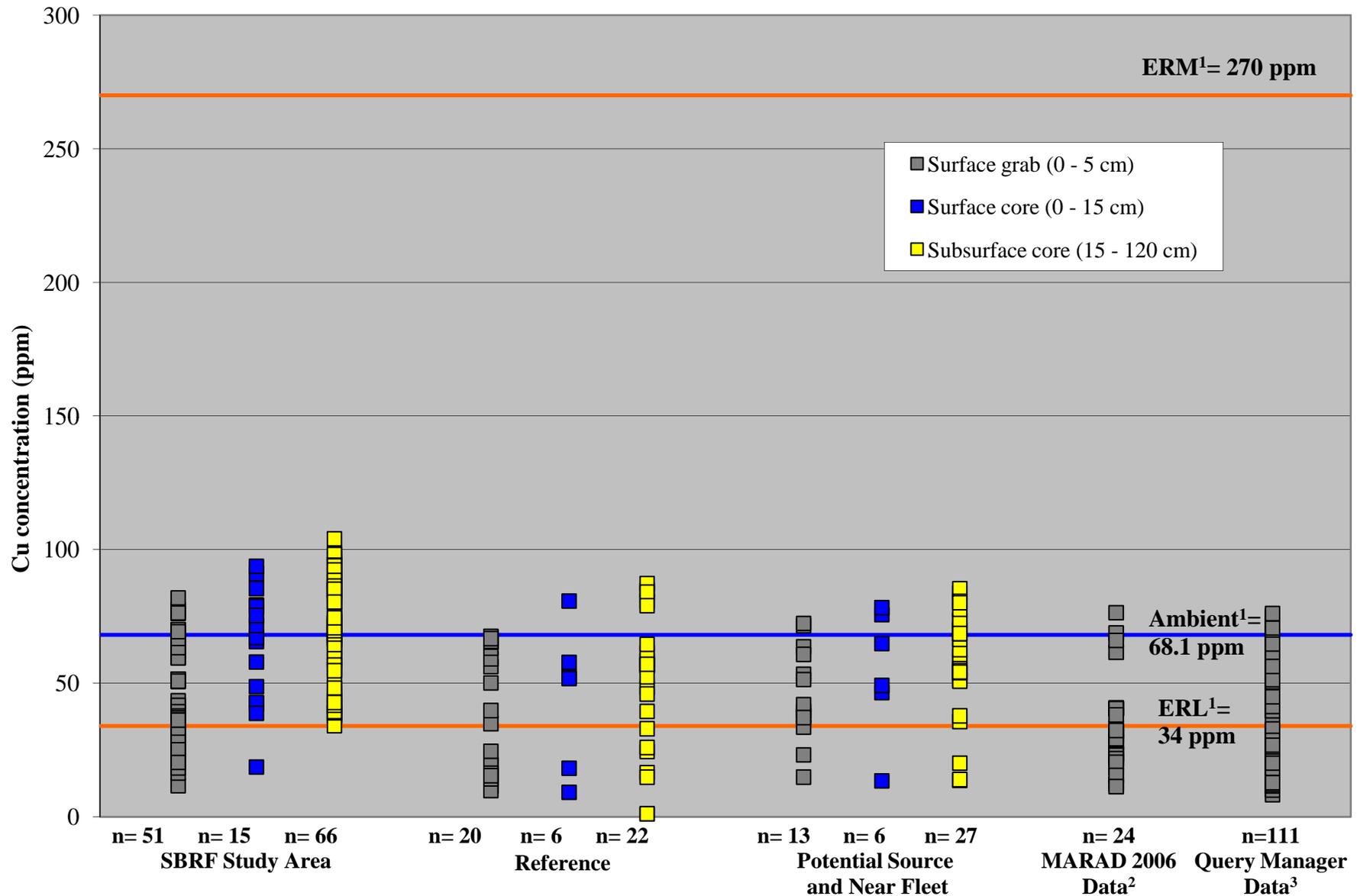


<sup>1</sup>No sediment quality guidelines or SF ambient concentrations available for manganese

<sup>2</sup>RMEI (2007)

<sup>3</sup>NOAA (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**

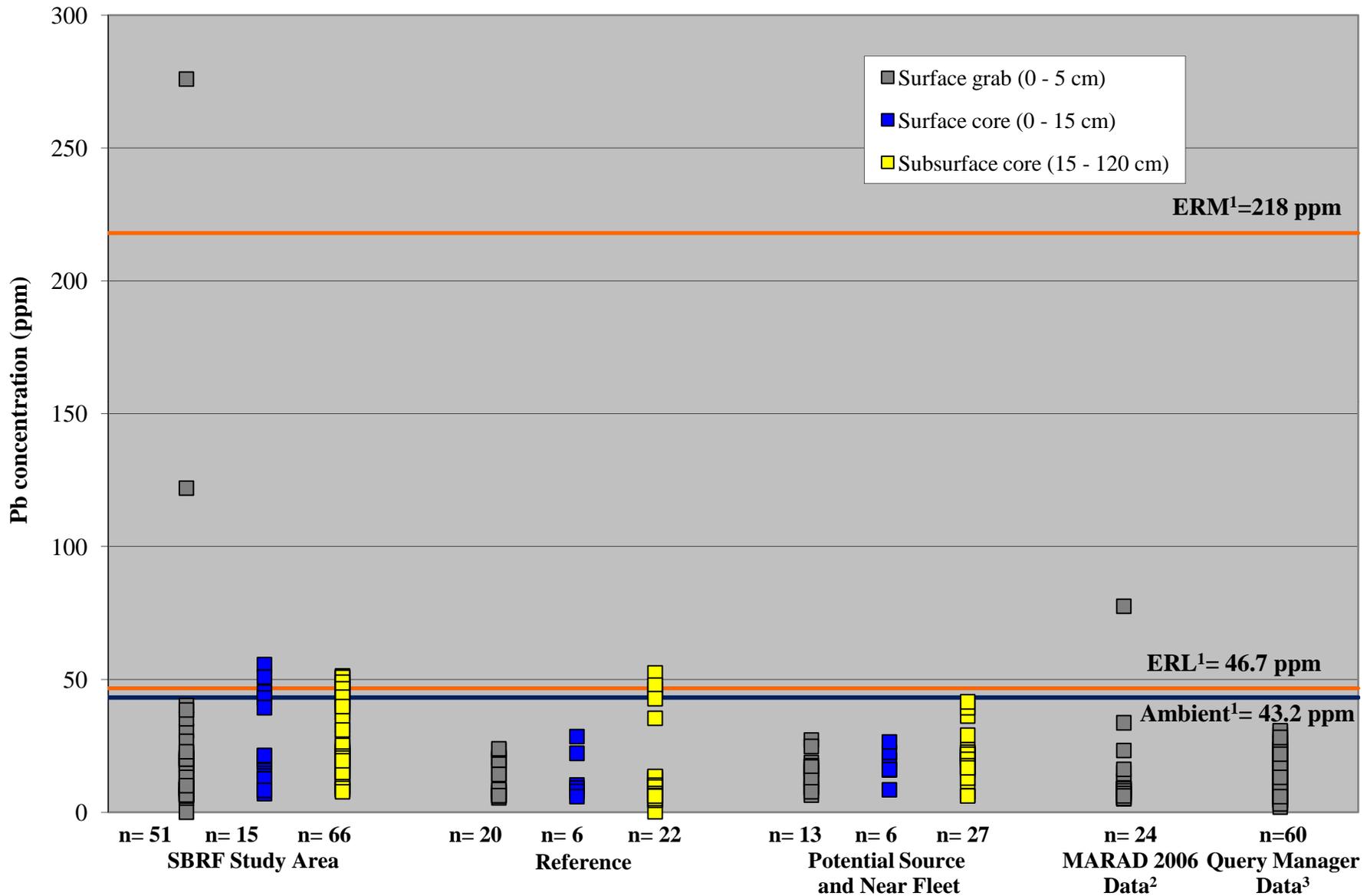


<sup>1</sup>ERL and ERM concentrations from Long *et al.* (1995). SF Bay ambient concentration from SFEI (1997).

<sup>2</sup>RMEI (2007).

<sup>3</sup>NOAA (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**

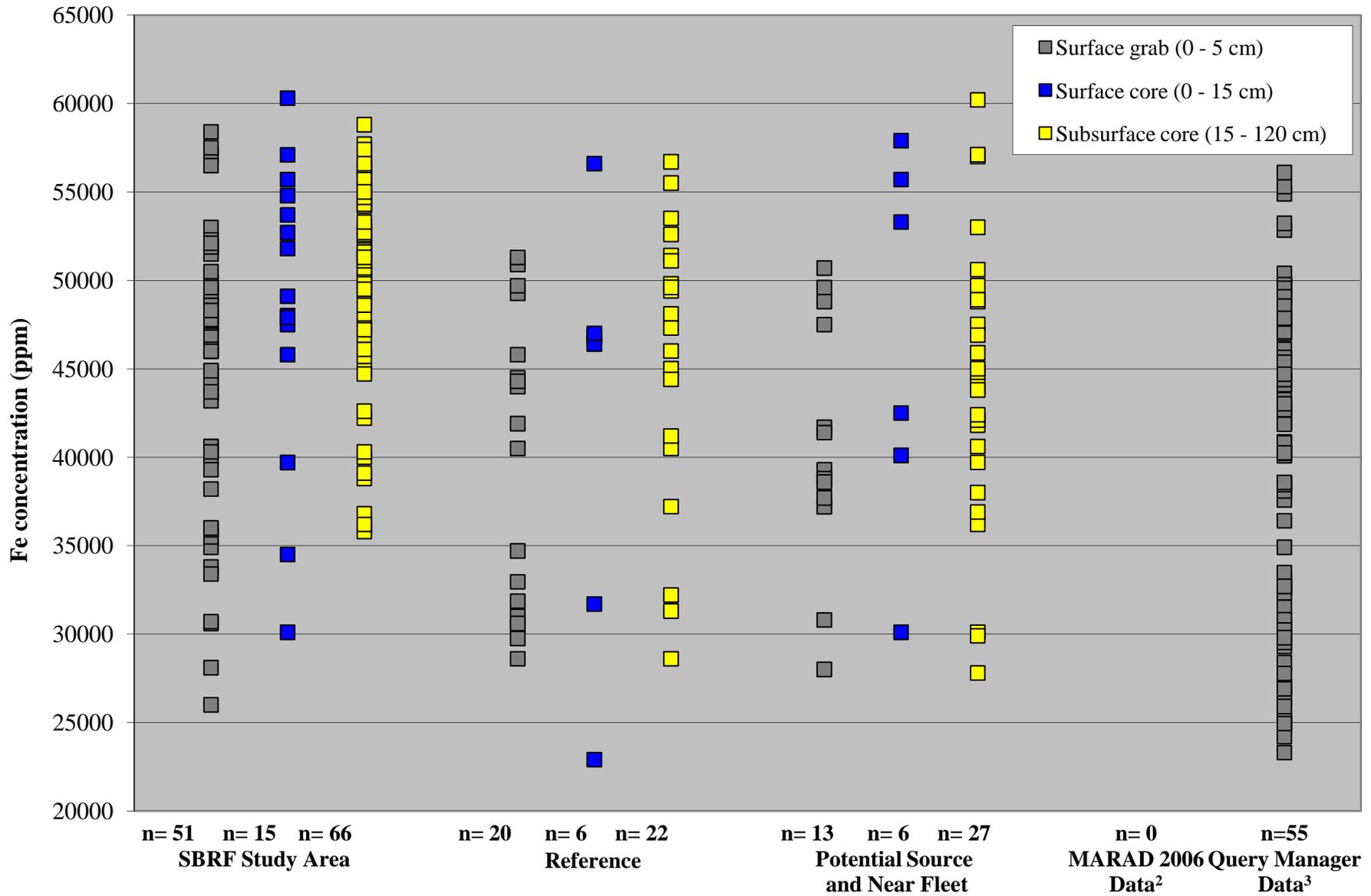


<sup>1</sup>ERL and ERM concentrations from Long *et al.* (1995). SF Bay ambient concentration from SFEI (1997).

<sup>2</sup>RMEI (2007).

<sup>3</sup>NOAA (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 Data<sup>1</sup>**

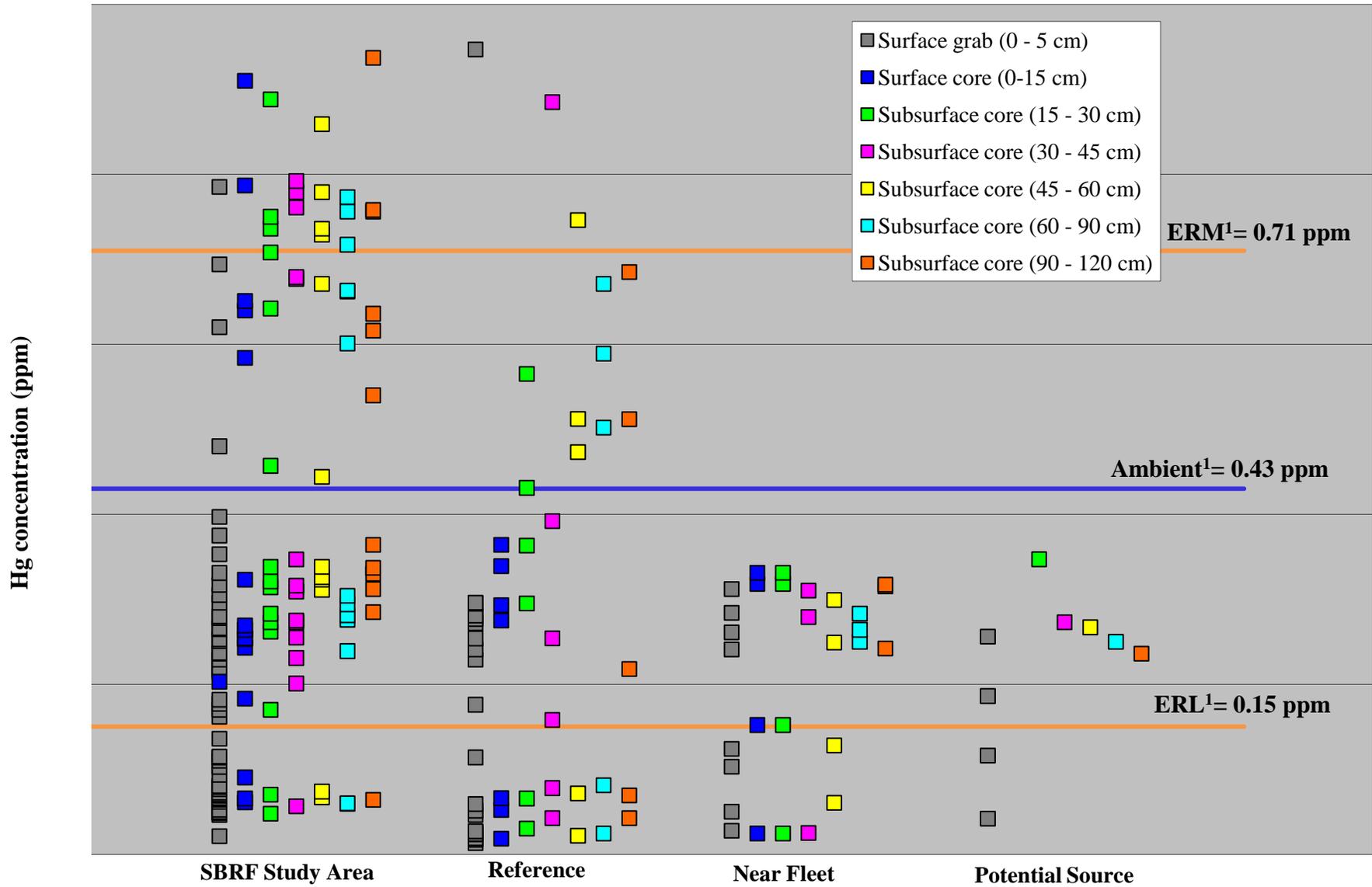


<sup>1</sup>No sediment quality guidelines or SF ambient concentrations available for iron.

<sup>2</sup>RMEI (2007).

<sup>3</sup>NOAA (2008a).

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



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