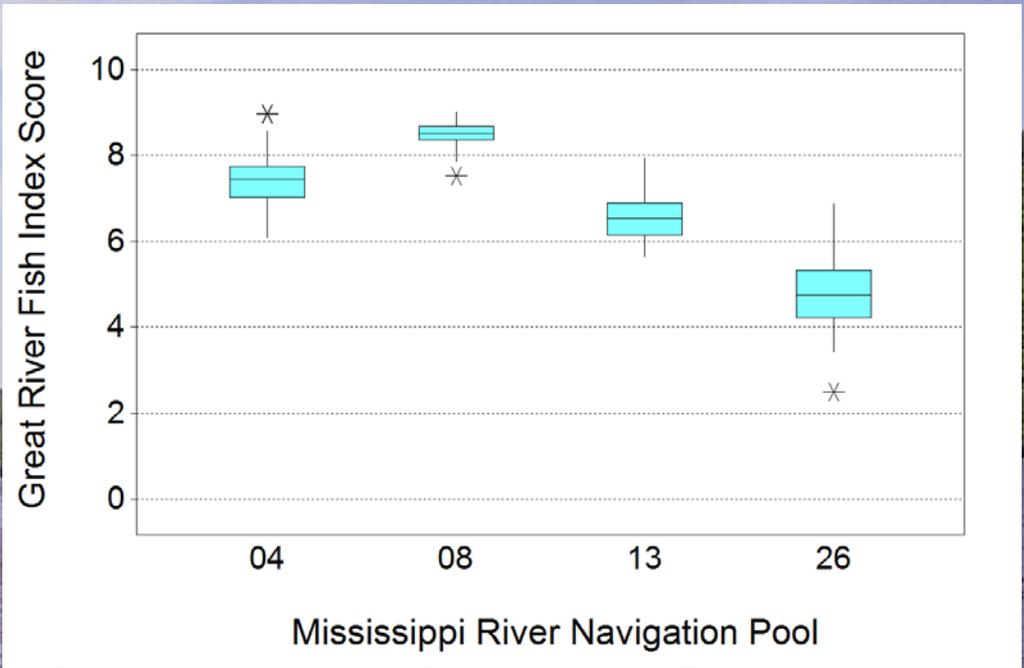
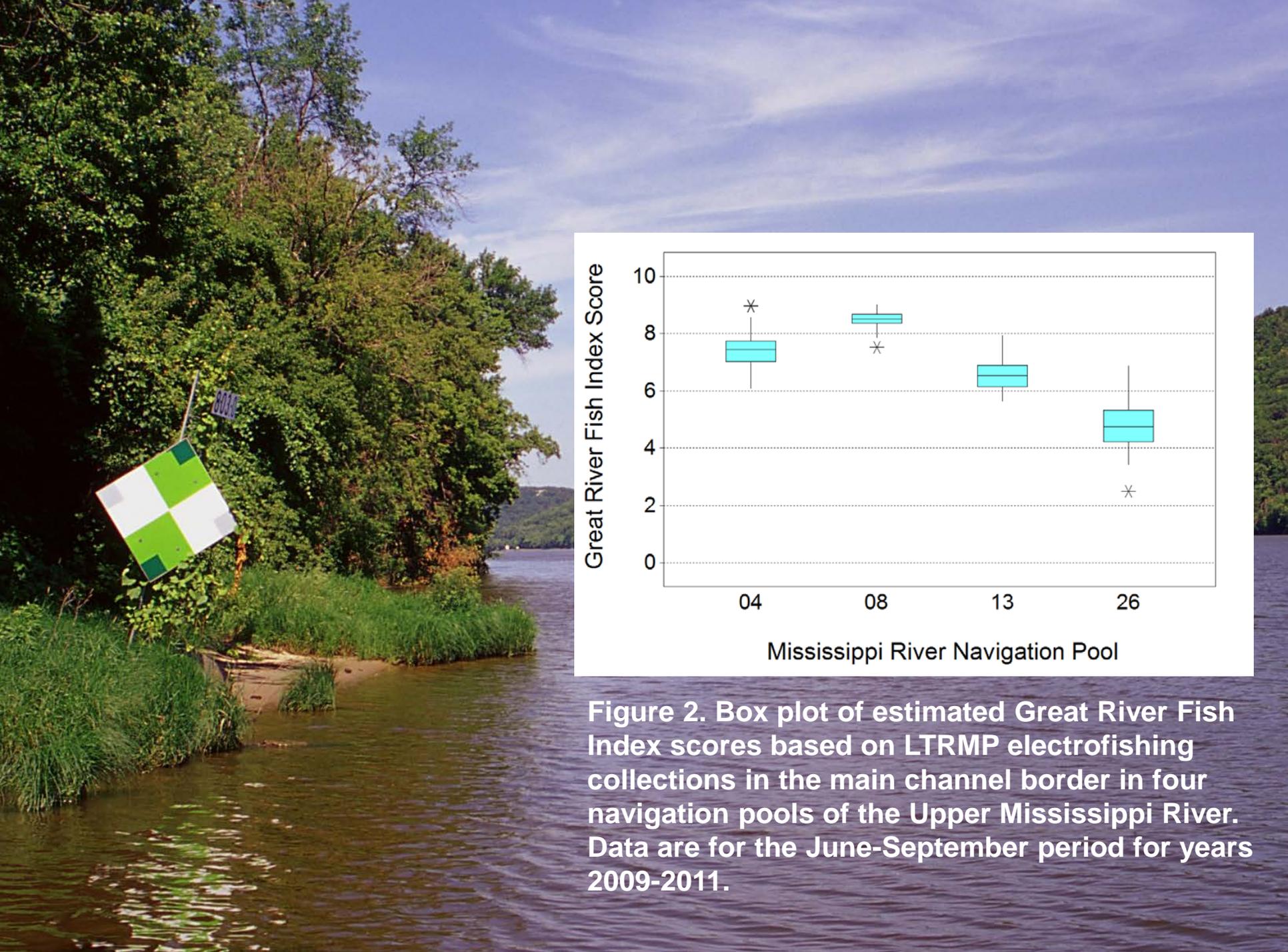


Figure 1. Long term trends in submersed aquatic vegetation in the main channel border (A) and side channel border (B) based on the submersed macrophyte index based on LTRMP vegetation data collected from Pools 4 and 8 of the Upper Mississippi River.



**Figure 2. Box plot of estimated Great River Fish Index scores based on LTRMP electrofishing collections in the main channel border in four navigation pools of the Upper Mississippi River. Data are for the June-September period for years 2009-2011.**

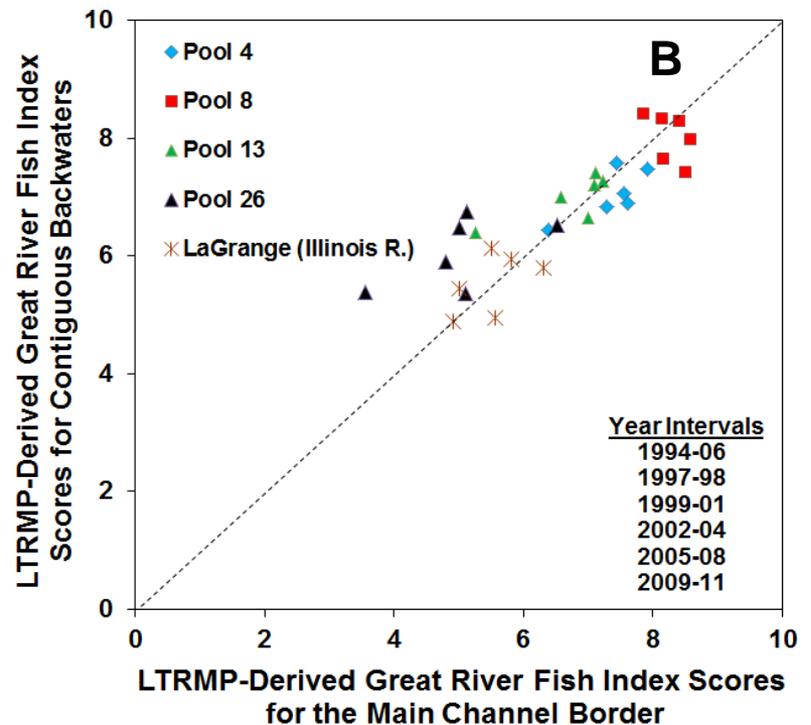
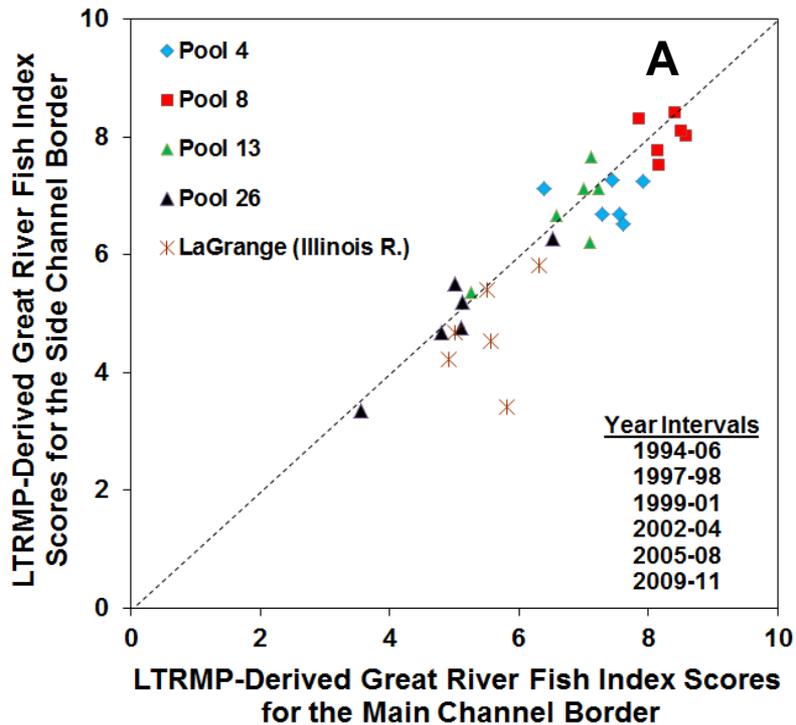
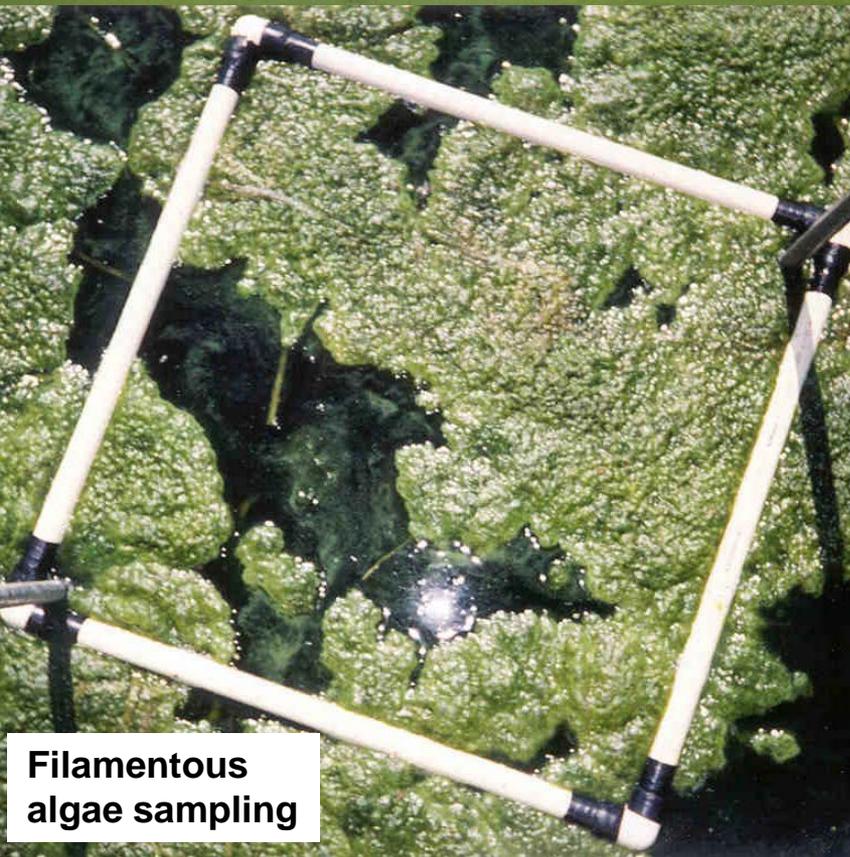


Figure 3. Comparison of Great River Fish Index scores for side channel versus the main channel border (A) and backwaters versus the main channel border (B) based on LTRMP fish collections in five LTRMP study reaches in the Upper Mississippi River System. The index scores are estimated values based on combining June-September electro fishing data during varying year intervals.



**Duckweed-choked marina**

**Figure 4. Excessive mats of duckweed and filamentous algae in backwaters of the Upper Mississippi River are a sign of nutrient enrichment.**



**Filamentous algae sampling**

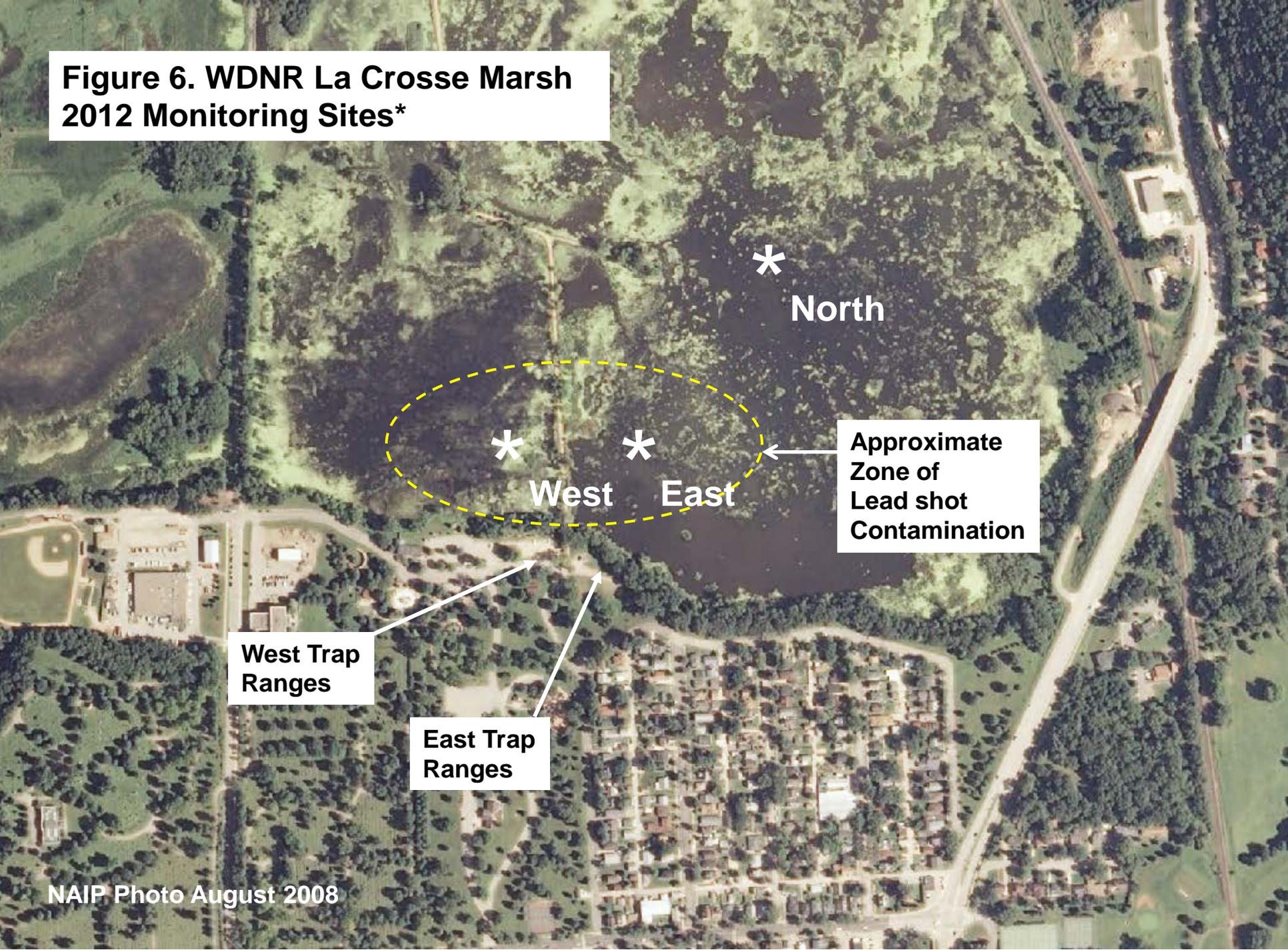


**Water sampling under duckweed mat.**

Figure 5. Map of HREP locations along the Wisconsin Reach

Table 1 describing Wisconsin's HREPs.

**Figure 6. WDNR La Crosse Marsh  
2012 Monitoring Sites\***



**North**

**West East**

**Approximate  
Zone of  
Lead shot  
Contamination**

**West Trap  
Ranges**

**East Trap  
Ranges**