

Figure 1. Illustration of the Lehigh River watershed.

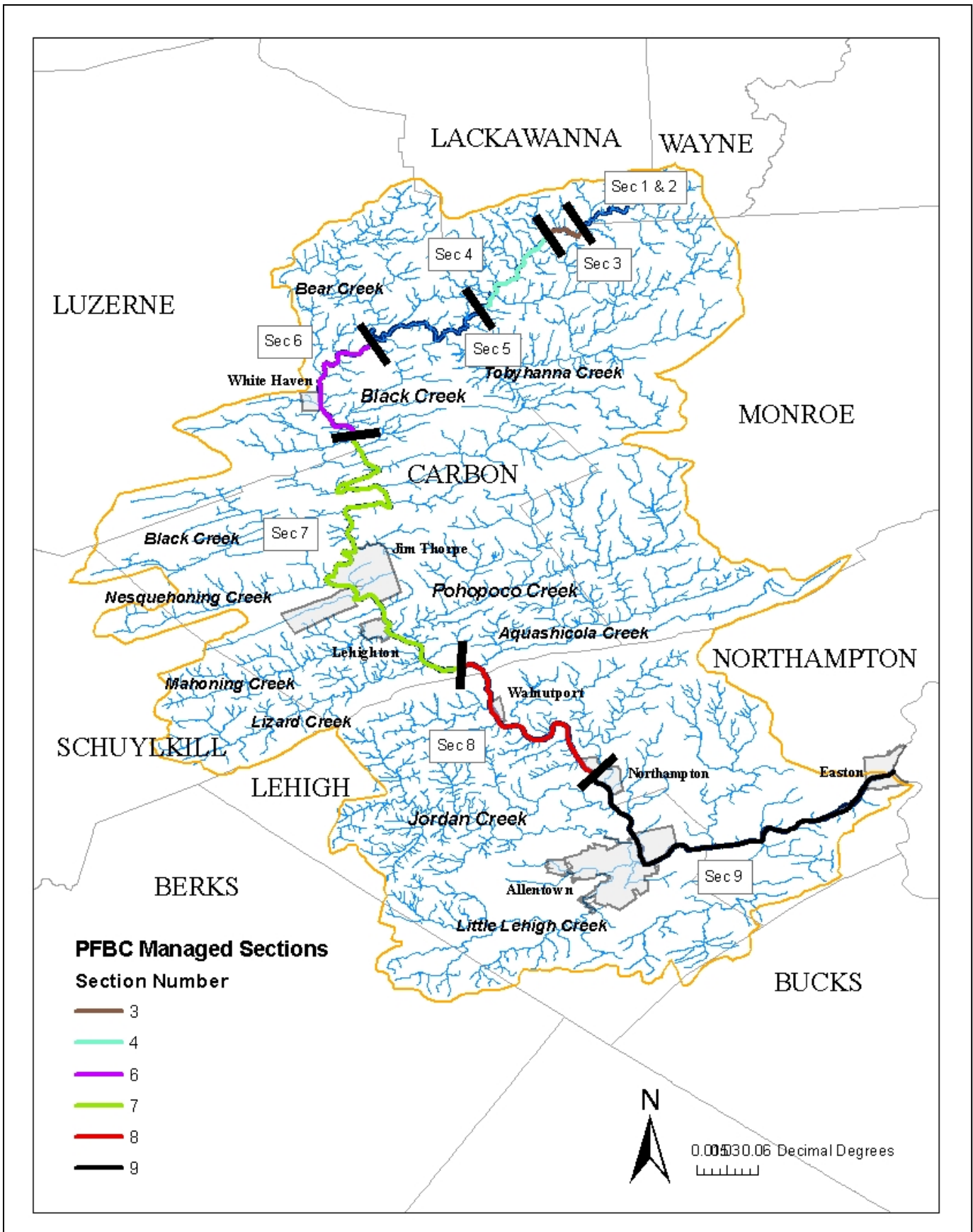


Figure 2. Illustration of PFBC managed stream sections within mainstem waters of the Lehigh River. Sections 1, 2 and 5 represent sections that are located above the Francis E. Walter Dam but are not available to the general public and are not active in the PFBC stocking programs.

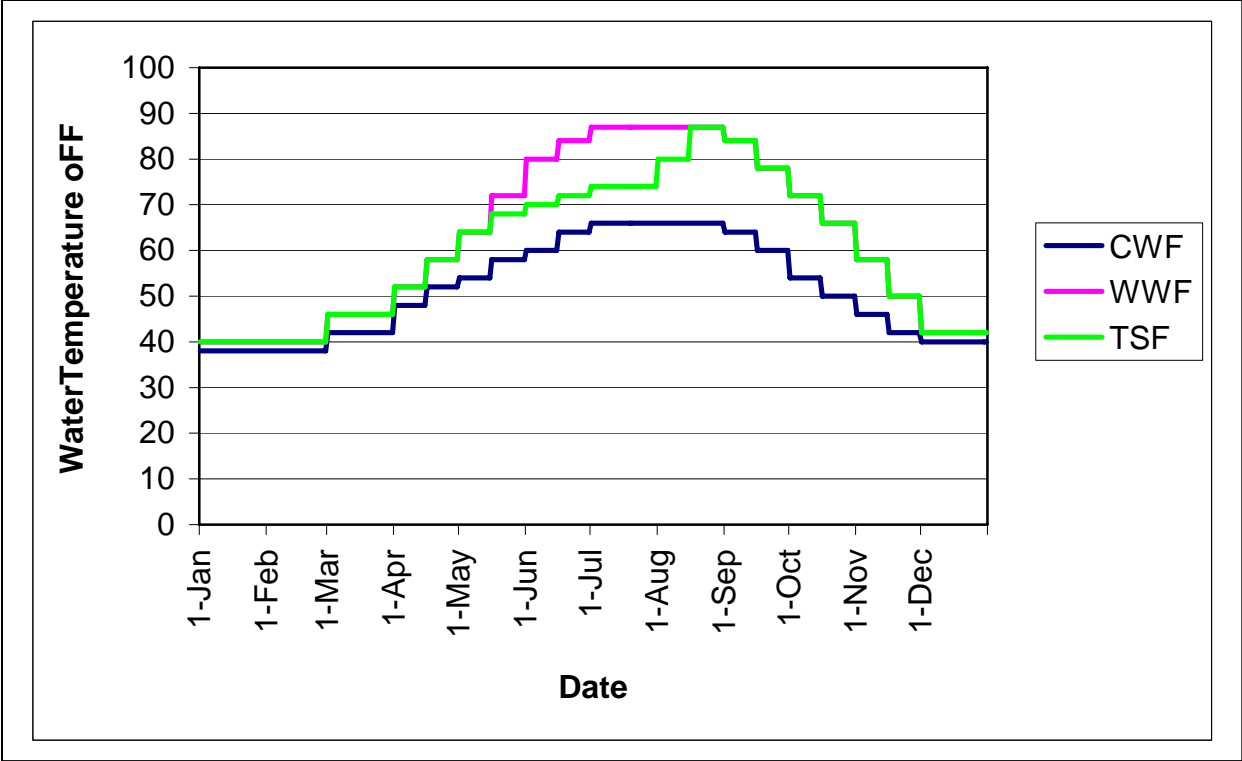


Figure 3. 25 PA Code Chapter 93 maximum water temperature (°F) criteria.

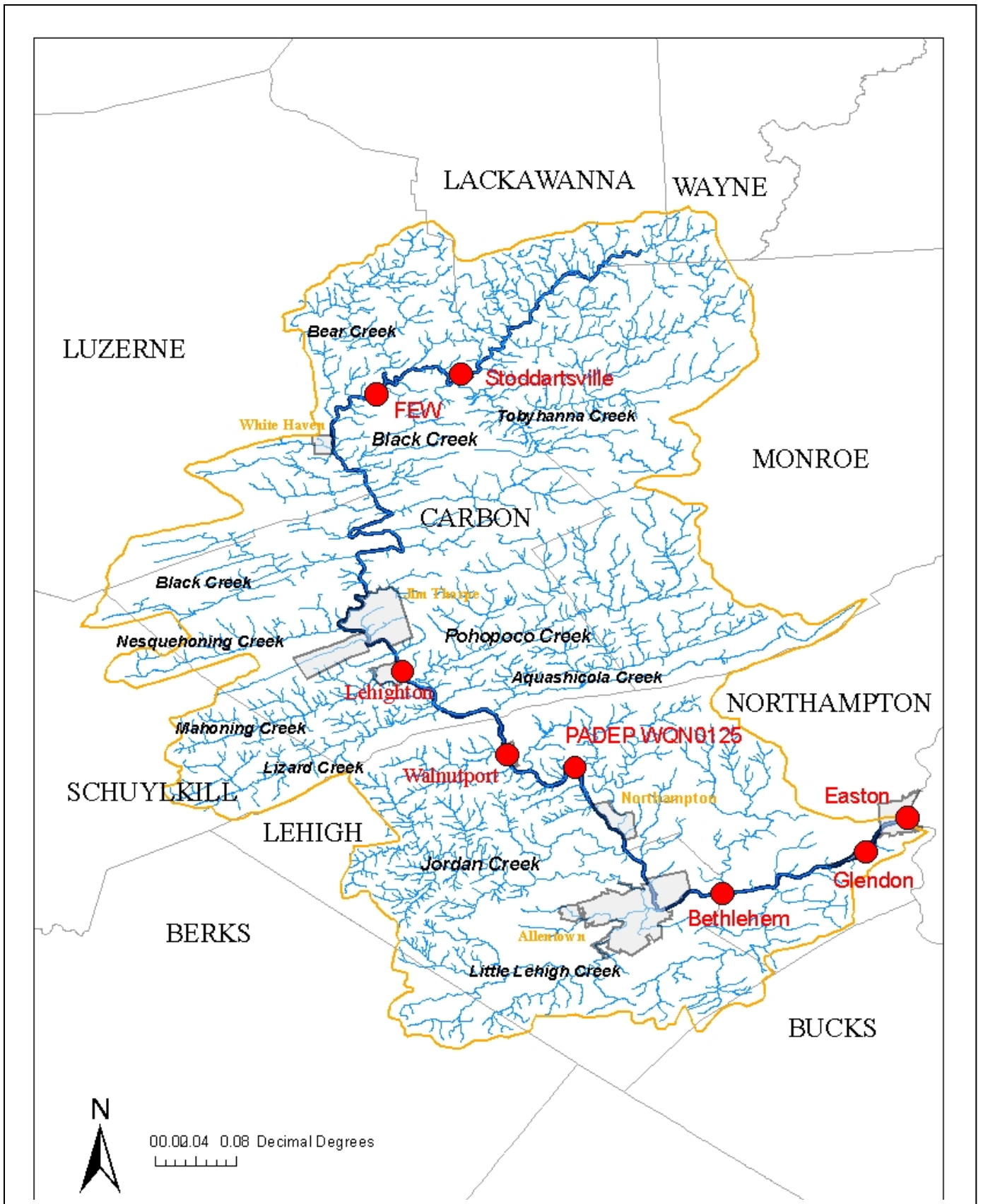


Figure 4. Locations of USGS gaging and PADEP WQN stations on the mainstem of the Lehigh River. PADEP WQN monitoring sites are located at selected USGS gaging stations including Stoddartsville (WQN 0126), Treichlers Bridge (WQN0125), Bethlehem (WQN0124, inactive since 1998), and Glendon (WQN0123).

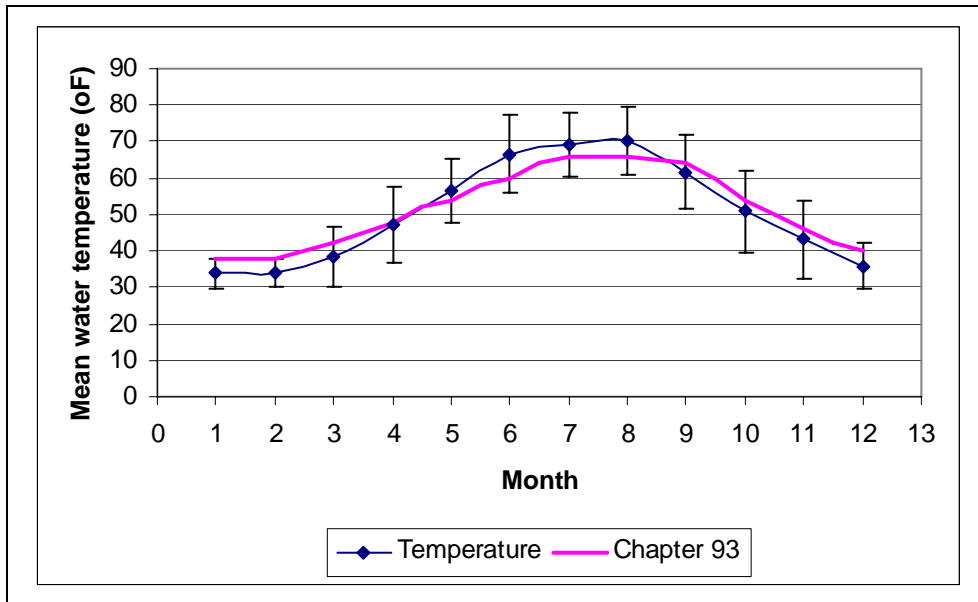


Figure 5. Mean (+/- two std) monthly water temperatures, all years and reporting agencies combined, in relation to Chapter 93 High Quality-Cold Water Fish (HQ-CWF) criteria for riverine waters from the Francis E. Walter Dam to the headwaters.

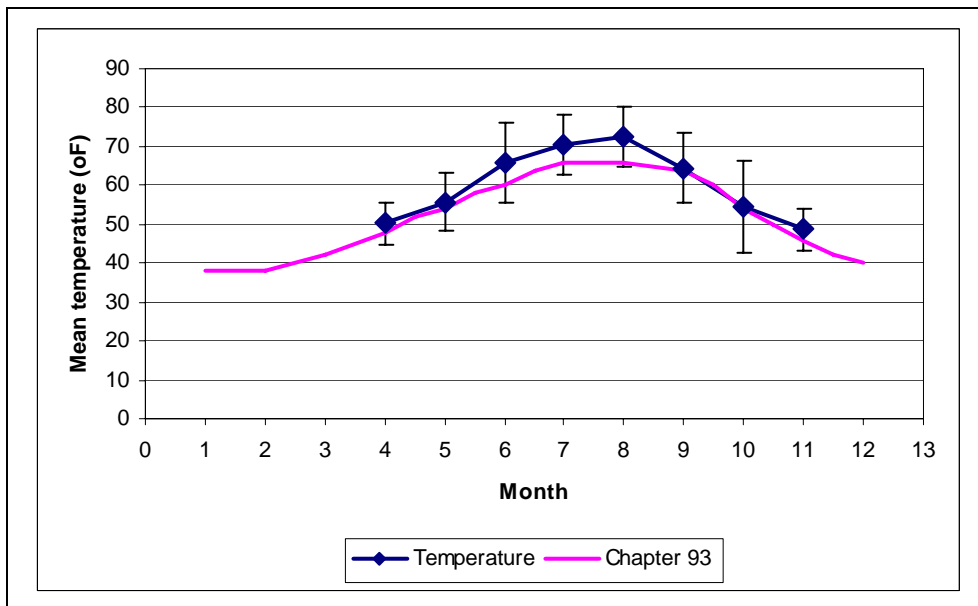


Figure 6. Mean (+/- two std) monthly water temperatures, all years and reporting agencies combined, in relation to High Quality – Cold Water Fish (HQ-CWF) Chapter 93 criteria for riverine waters from the Francis E. Walter Dam downstream to above the SR 903 Bridge located in the Borough of Jim Thorpe.

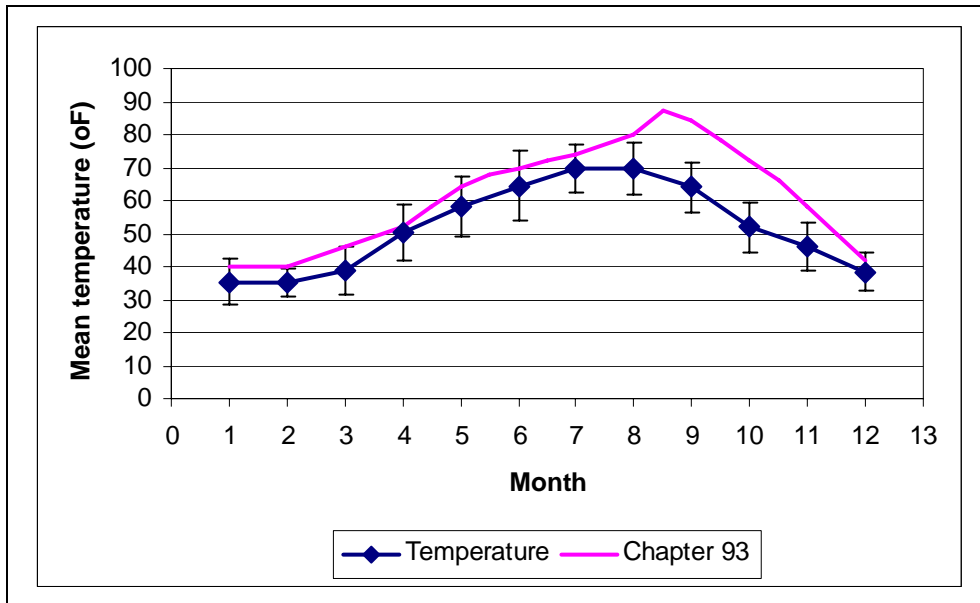


Figure 7. Mean (+/- two std) monthly water temperatures, all years and reporting agencies combined, in relation to Trout Stocked (TSF) Chapter 93 criteria for riverine waters from the SR 903 Bridge located in the Borough of Jim Thorpe downstream to the relic dam located at Palmerton (RM 37.70).

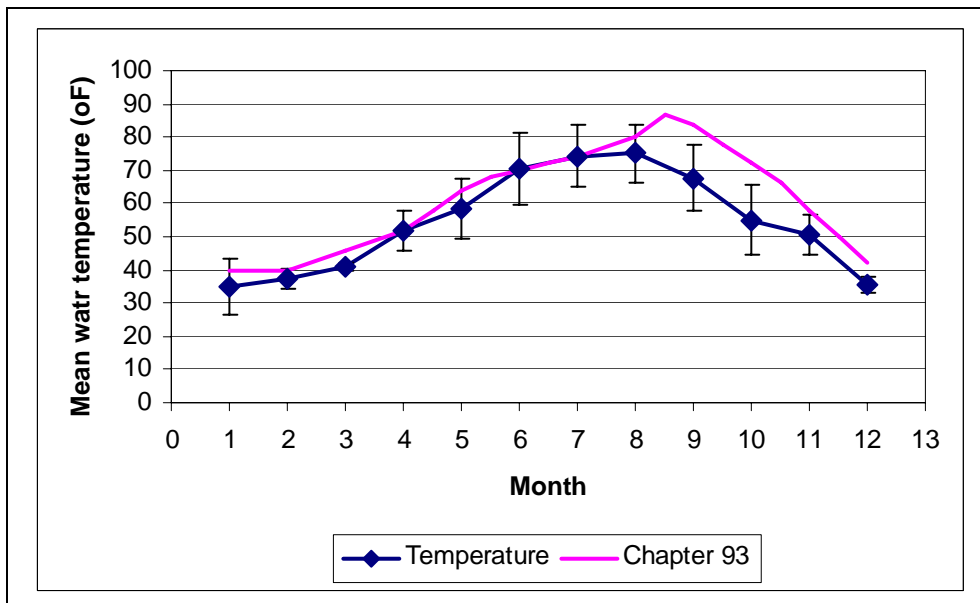


Figure 8. Mean (+/- two std) monthly water temperatures, all years and reporting agencies combined, in relation to Trout Stocked (TSF) Chapter 93 criteria for riverine waters from the relic dam at Palmerton (RM 37.70) downstream to the low-head dam at Northampton (RM 24.00).

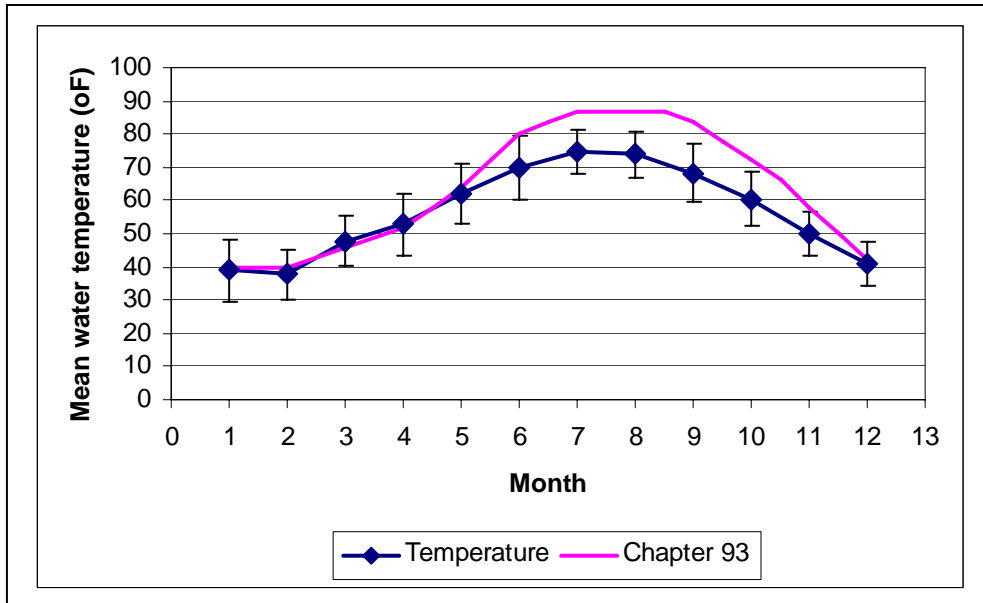


Figure 9. Mean (+/- two std) monthly water temperatures, all years and reporting agencies combined, in relation to Warm Water Fish (WWF) Chapter 93 criteria for riverine waters between the Hamilton Street Dam located in Allentown downstream to the mouth of the Lehigh River at Easton.

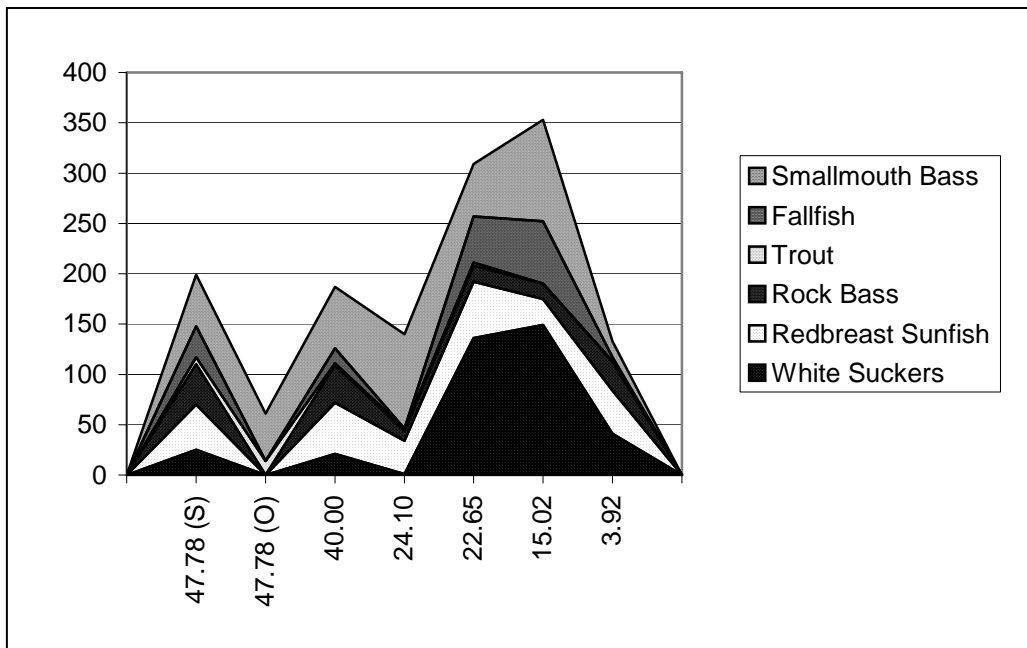


Figure 10. Total catch of white sucker (*Catostomus commersoni*), redbreast sunfish (*Lepomis auritus*), rock bass (*Ambloplites rupestris*), trout species, and fallfish (*Semotilus corporalis*) from September – October, 2006 in Sections 7 (RM 47.78, 40.00), 8 (RM 24.10), and 9 (RM 22.65, 15.02, and 3.92) of the Lehigh River.

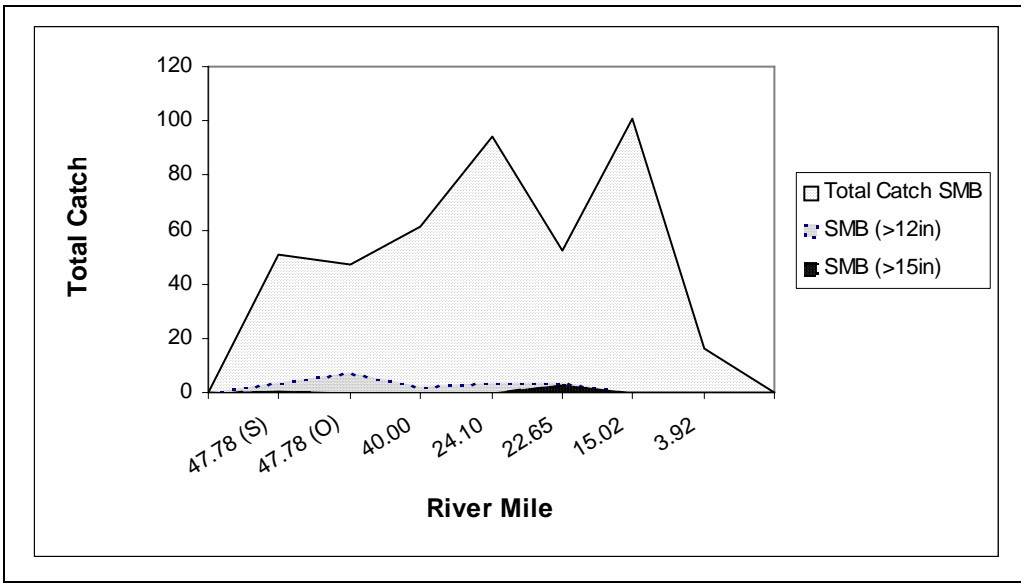


Figure 11. Total catch (number ≥ 12 and ≥ 15 inches) of smallmouth bass *Micropterus dolomieu* collected in September – October, 2006 in Sections 7 (RM 47.78, 40.00), 8 (RM 24.10), and 9 (RM 22.65, 15.02, and 3.92) of the Lehigh River.

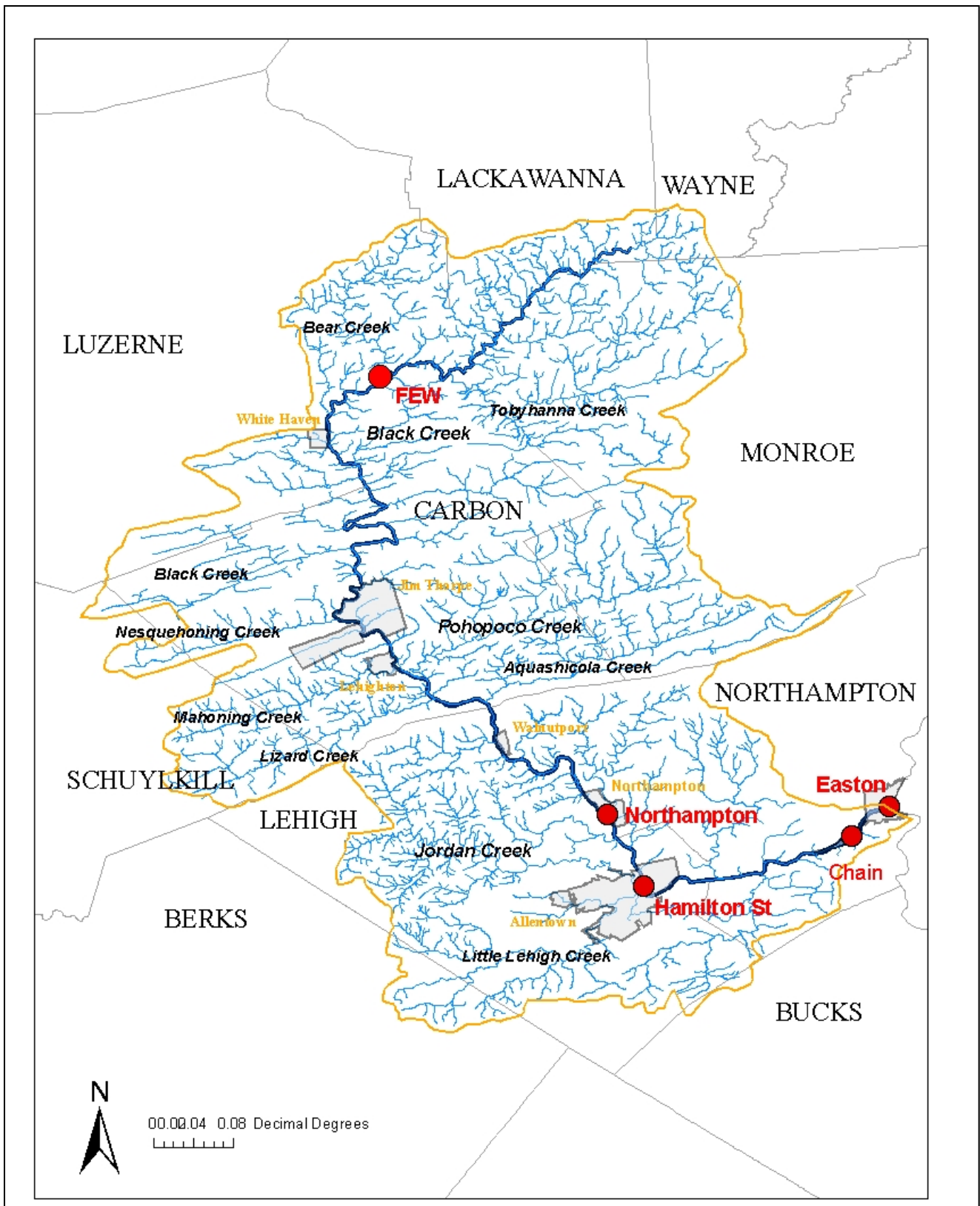


Figure 12. Locations of the Easton (RM 0.0), Chain (RM 3.0), Hamilton Street (RM 17.0), Northampton (RM 24.0), and Francis E. Walter (RM 76.5) Dams on the Lehigh River.

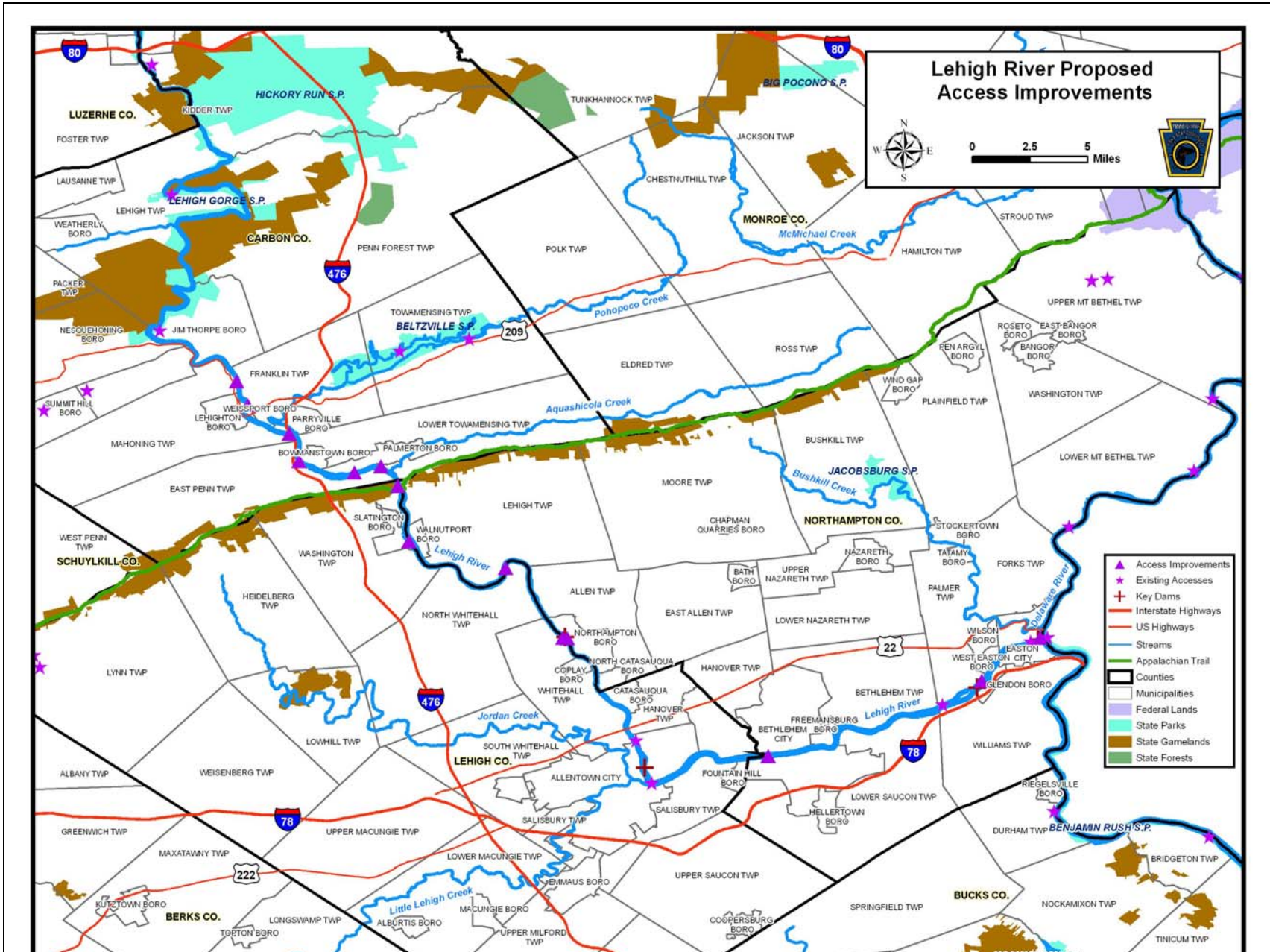


Figure 13. Proposed new access sites and development of current access sites along the Lehigh River as mitigation for the Palmerton Zinc Pile Superfund Site (Hartle 2006).