

Figure 1: Catch rate (fish/ h) of Smallmouth Bass age-1 and older captured during nighttime electrofishing surveys conducted during the period of 1990 to present at three historic sites at the middle Susquehanna River. 2016 data reflects catch rate of fish 150 mm and longer in total length as a surrogate measure of catch rate of fish \geq age-1 until age verification can be completed.

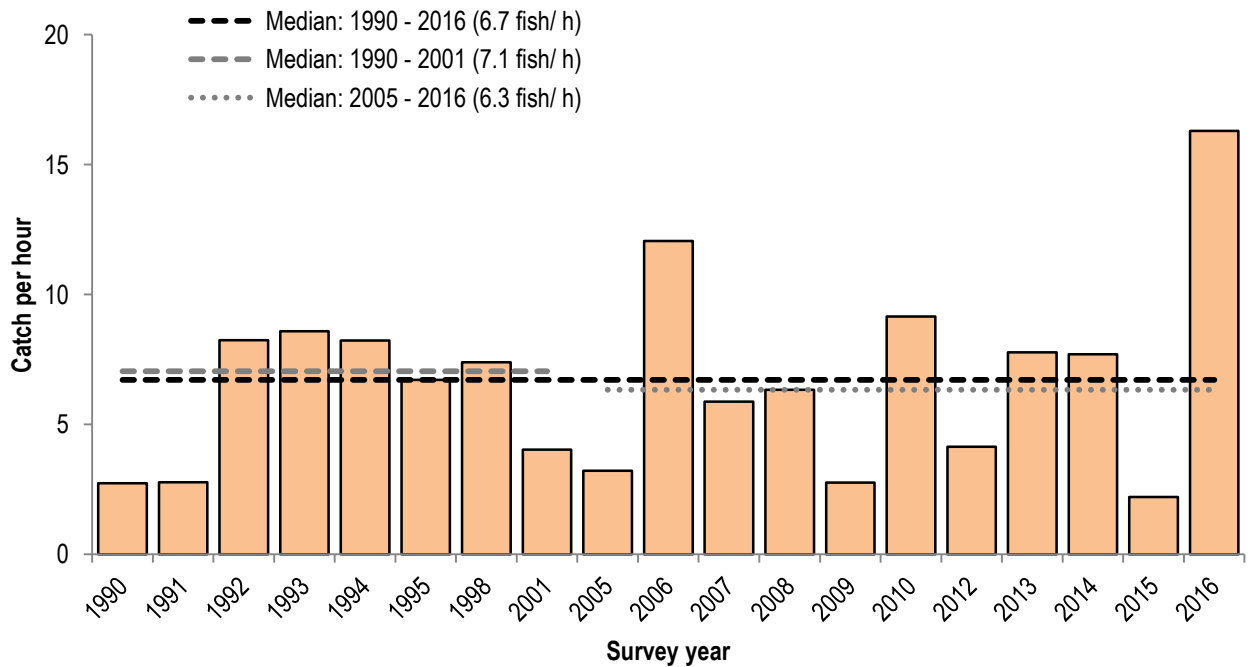


Figure 2: Catch rate (fish/ h) of Smallmouth Bass 15 inches and longer captured during nighttime electrofishing surveys conducted during the period of 1990 to present at three historic sites at the middle Susquehanna River

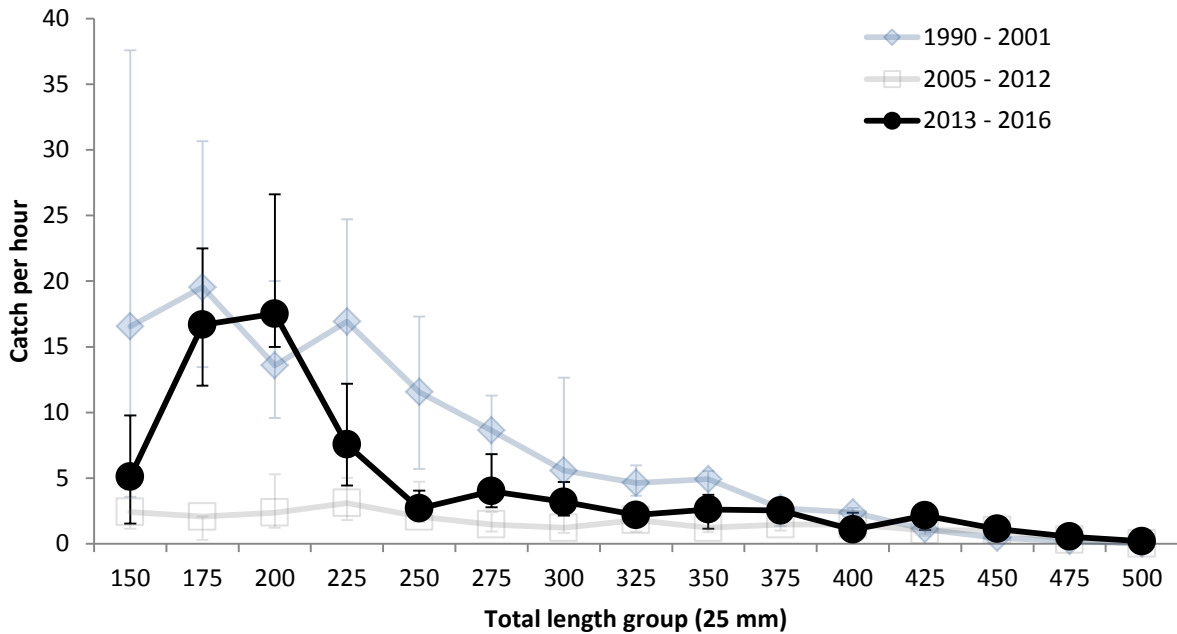


Figure 3: Median catch rates of 25 mm total length groups of adult Smallmouth Bass during boat electrofishing surveys at the middle Susquehanna River (Sunbury to York Haven) 1990-2001 (blue diamonds), 2005-2012 (open squares), and 2013-2016 (black circles). Error bars represent the 25th and 75th percentiles of the respective data sets.

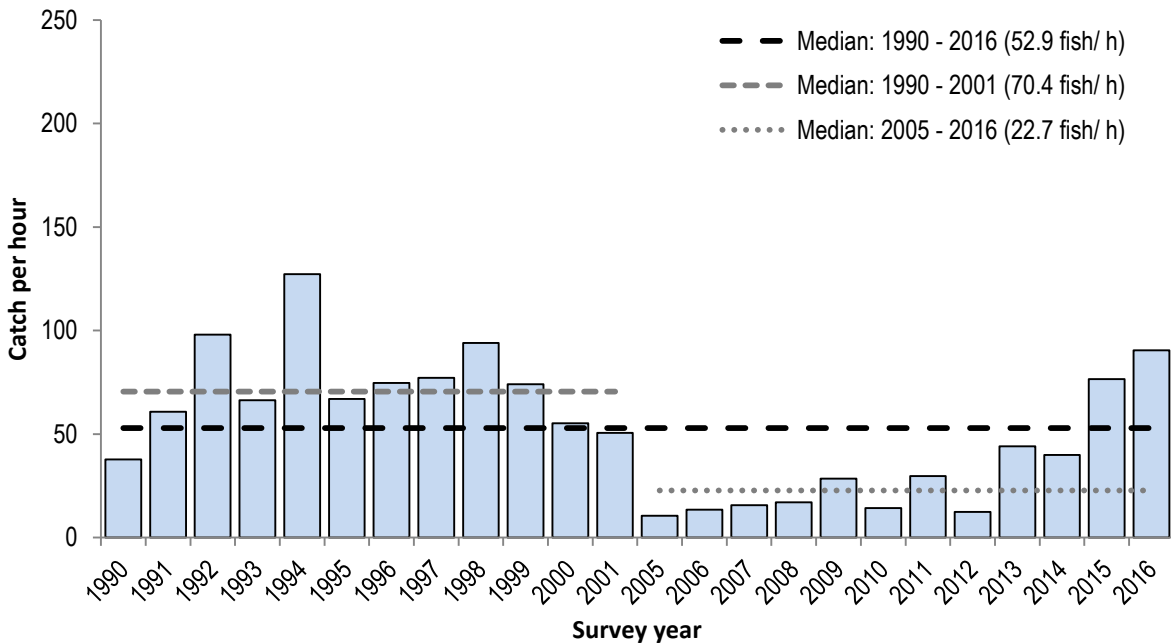


Figure 4: Catch rate (fish/h) of Smallmouth Bass age-1 and older captured during nighttime electrofishing surveys conducted during the period of 1990 to present at three historic sites at the lower Susquehanna River.

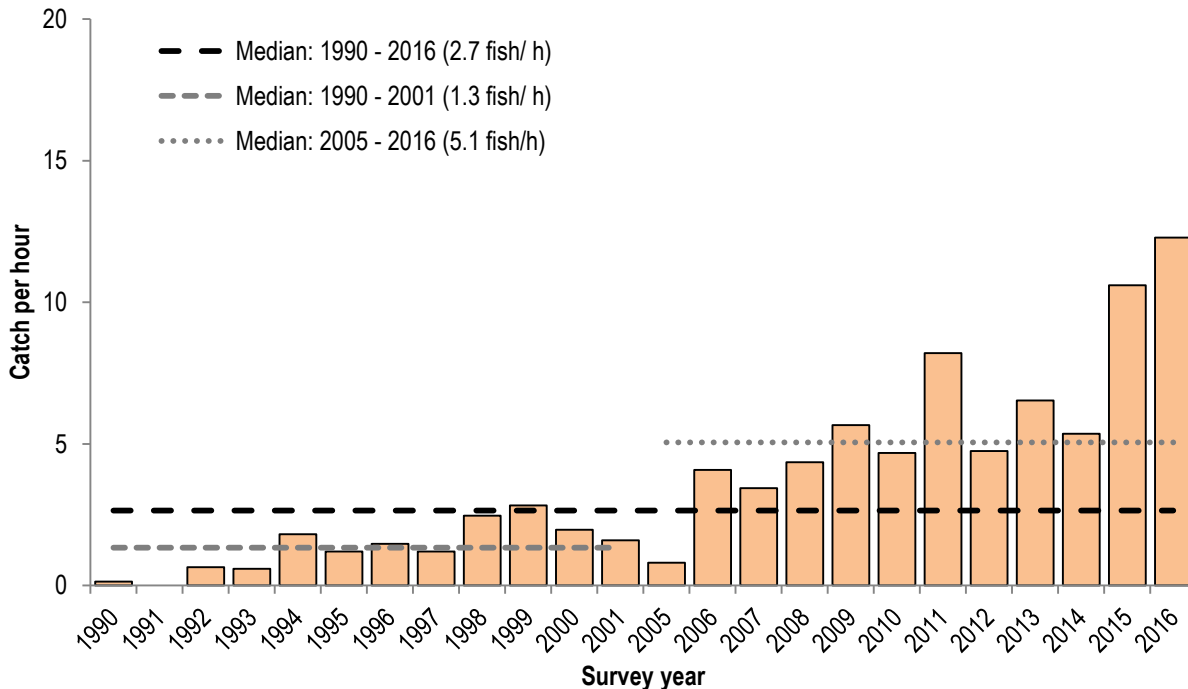


Figure 5: Catch rate (fish/ h) of Smallmouth Bass 15 inches and longer in total length captured during nighttime electrofishing surveys conducted during the period of 1990 to present at three historic sites at the lower Susquehanna River.

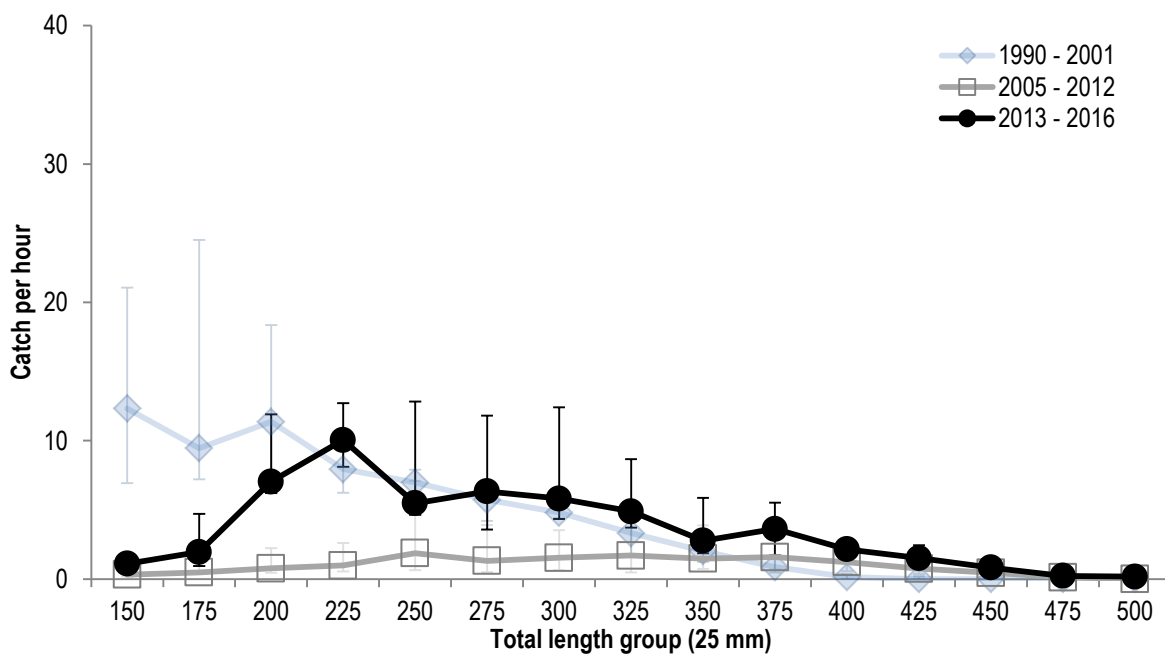


Figure 6: Median catch rates of 25 mm total length groups of adult Smallmouth Bass during boat electrofishing surveys at the lower Susquehanna River (York Haven to Holtwood) 1990 - 2001 (blue diamonds), 2005-2012 (open squares), and 2013-2016 (black circles). Error bars represent the 25th and 75th percentiles of the respective data sets.

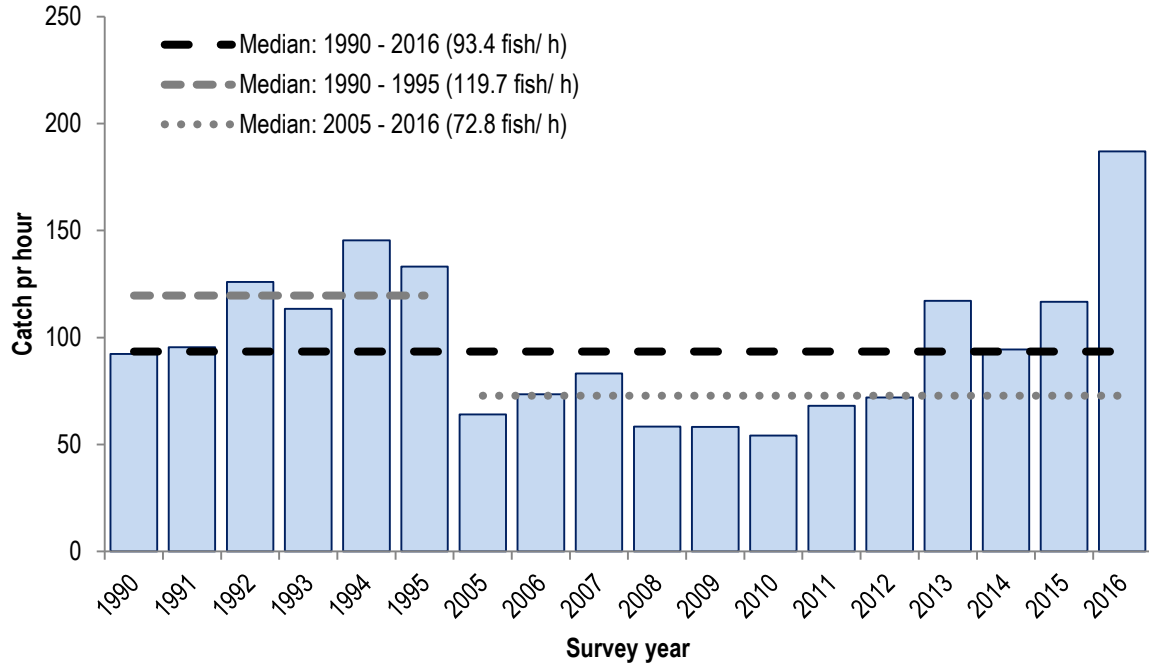


Figure 7: Catch rate (fish/ h) of Smallmouth Bass age-1 and older captured during nighttime electrofishing surveys conducted during the period of 1990 to present at two historic sites at the upper Juniata River. 2016 data reflects catch rate of fish 150 mm and longer in total length as a surrogate measure of catch rate of fish \geq age-1 until age verification can be completed.

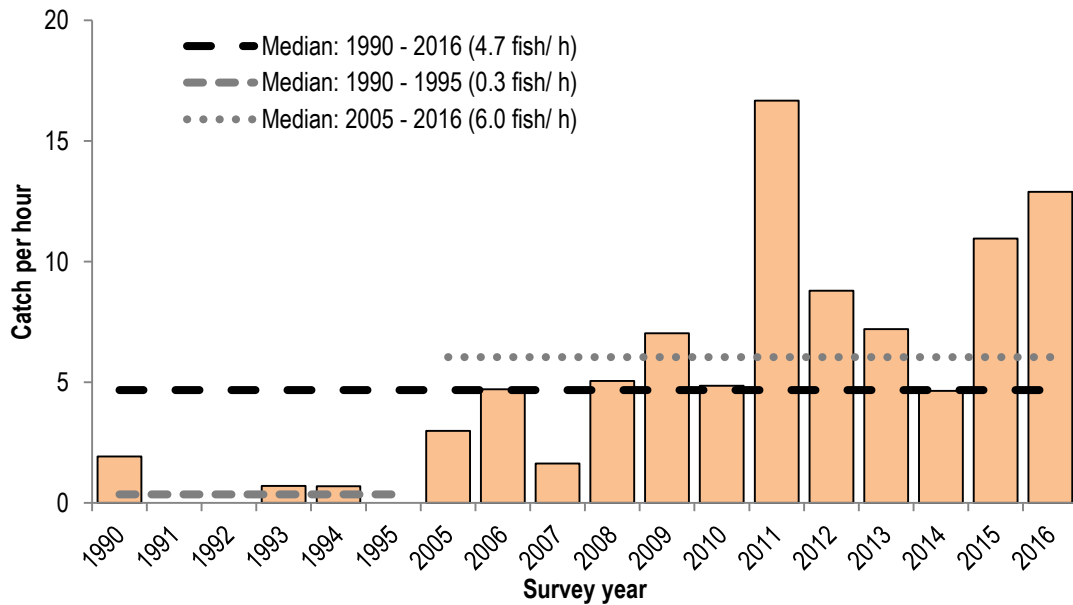


Figure 8: Catch rate (fish/ h) of Smallmouth Bass 15 inches and longer in total length captured during nighttime electrofishing surveys conducted during the period of 1990 to present at two historic sites at the upper Juniata River

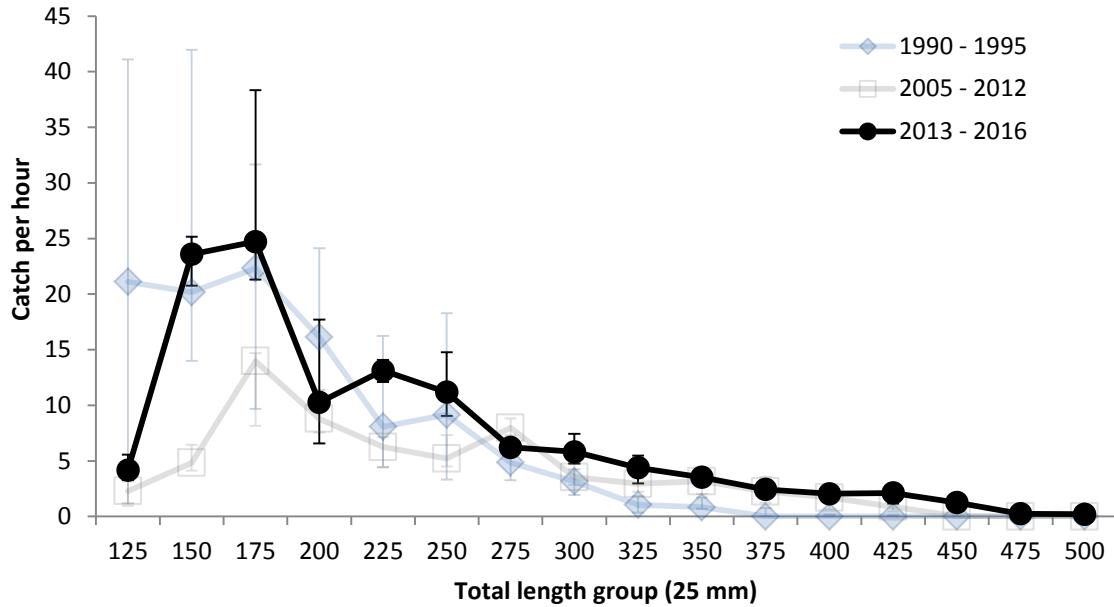


Figure 9: Median catch rates of 25 mm total length groups of adult Smallmouth Bass during boat electrofishing surveys at the upper Juniata River (Huntingdon to Port Royal) 1990 - 1995 (blue diamonds), 2005-2012 (open squares), and 2013-2016 (black circles). Error bars represent the 25th and 75th percentiles of the respective data sets.

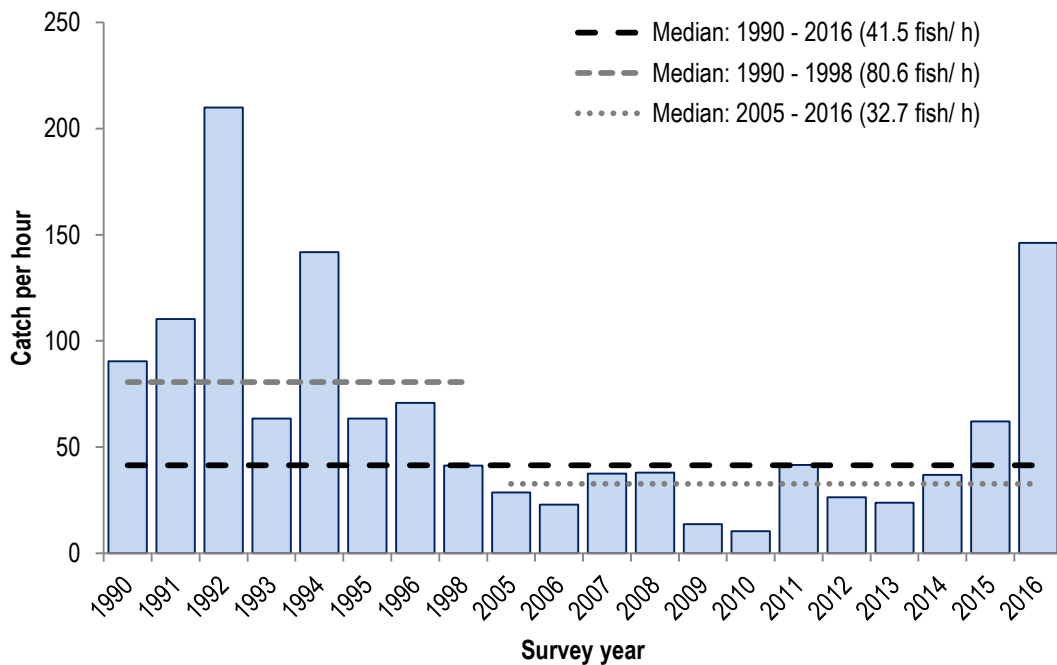


Figure 10: Catch rate (fish/h) of Smallmouth Bass age-1 and older captured during nighttime electrofishing surveys conducted during the period of 1990 to present at two historic sites at the lower Juniata River. 2016 data reflects catch rate of fish 150 mm and longer in total length as a surrogate measure of catch rate of fish \geq age-1 until age verification can be completed.

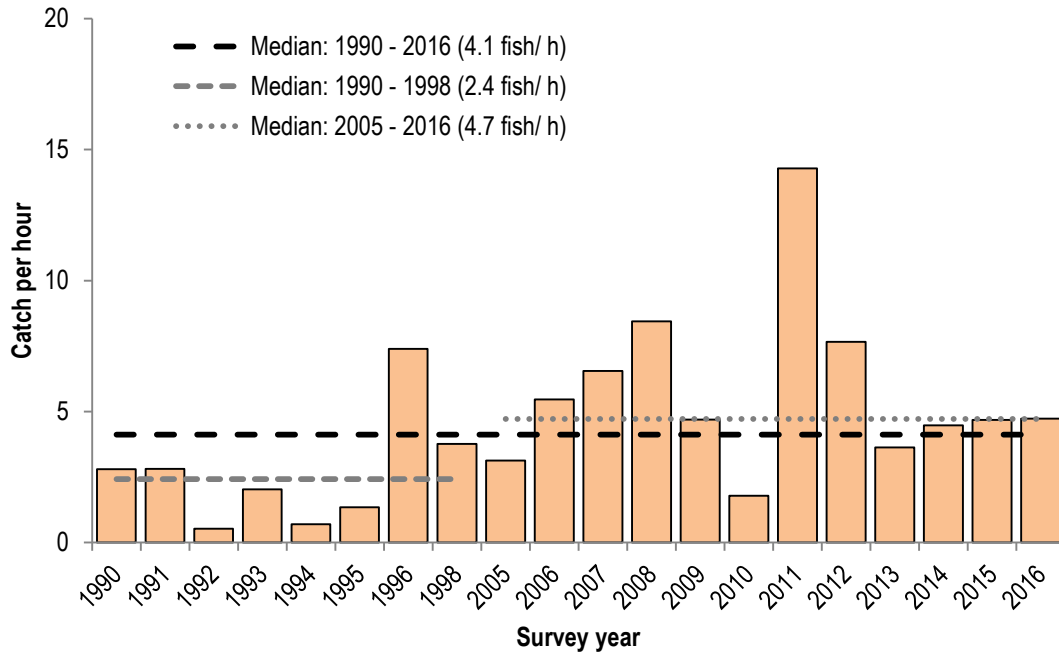


Figure 11: Catch rate (fish/ h) of Smallmouth Bass 15 inches and longer in total length captured during nighttime electrofishing surveys conducted during the period of 1990 to present at two historic sites at the lower Juniata River.

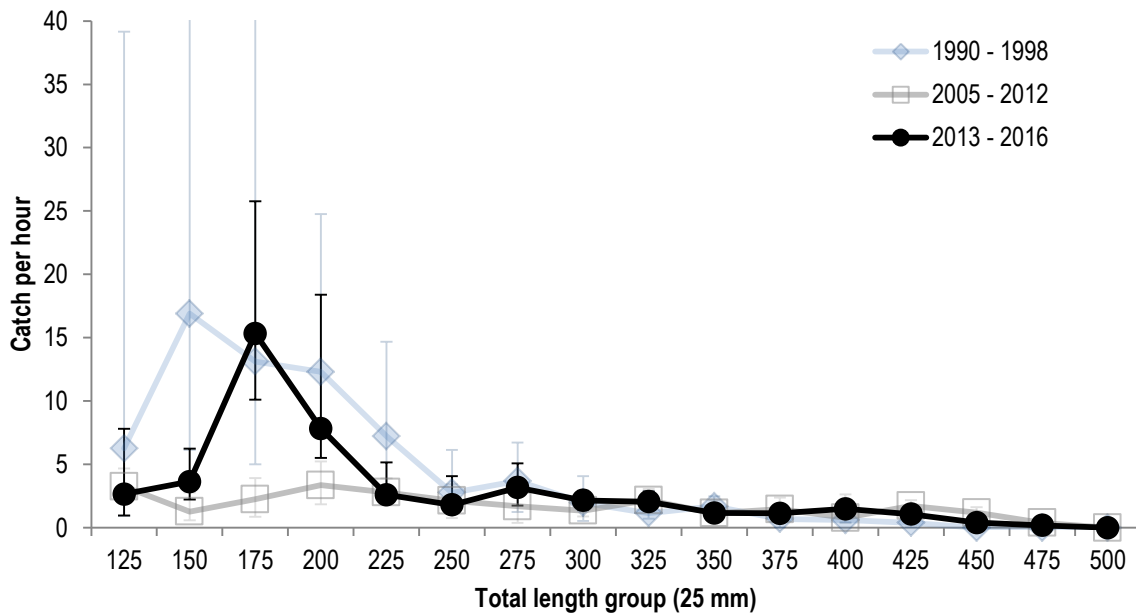


Figure 12: Median catch rates of 25 mm total length groups of adult Smallmouth Bass during boat electrofishing surveys at the lower Juniata River (Port Royal to mouth) 1990 - 1998 (blue diamonds), 2005-2012 (open squares), and 2013-2016 (black circles). Error bars represent the 25th and 75th percentiles of the respective data sets.

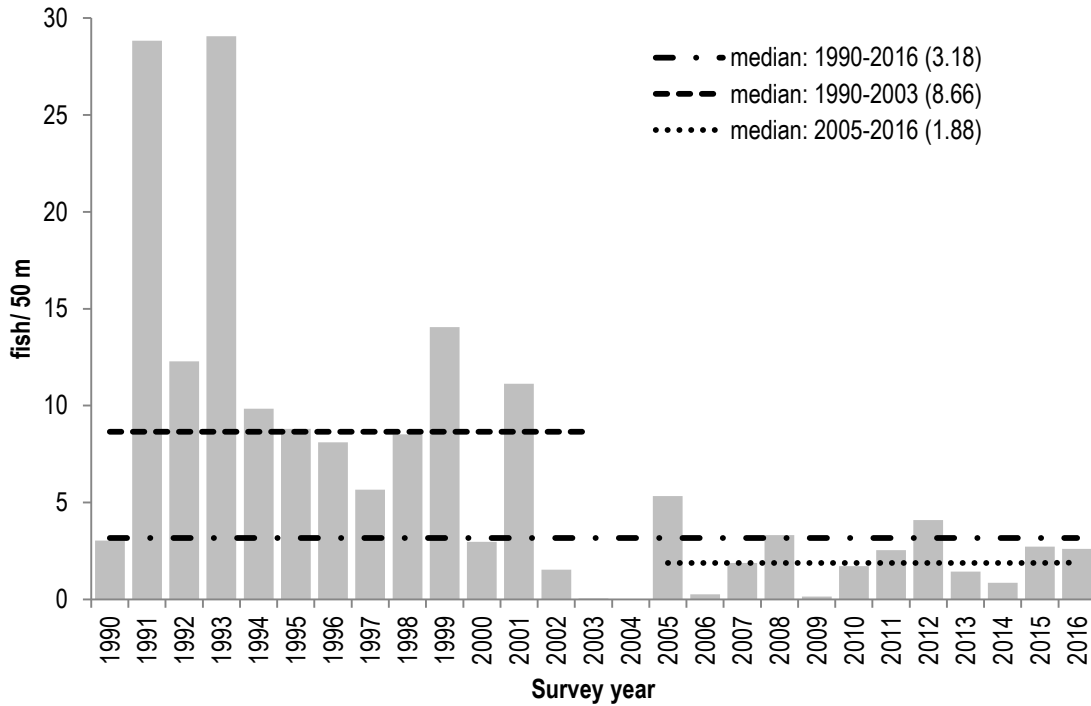


Figure 13: Backpack electrofishing catch rate (fish/ 50 m) of young-of-year Smallmouth Bass at six historic locations at the middle Susquehanna River between 1990 and 2016.

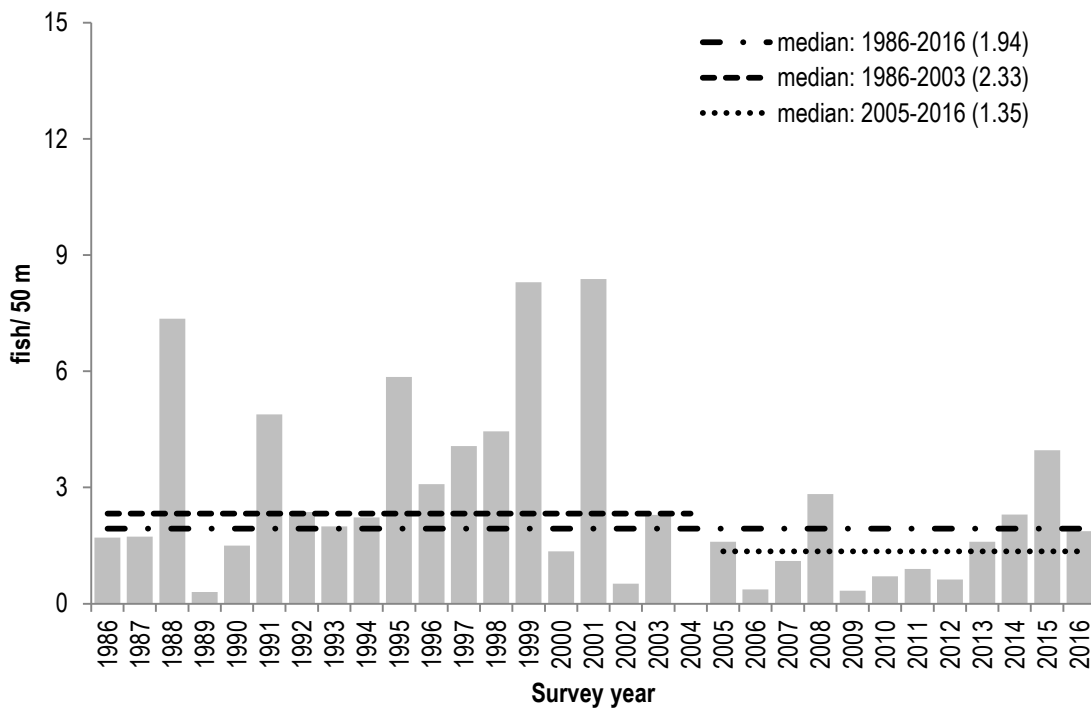


Figure 14: Backpack electrofishing catch rate (fish/ 50 m) of young-of-year Smallmouth Bass at four historic locations at the lower Susquehanna River between 1986 and 2016.

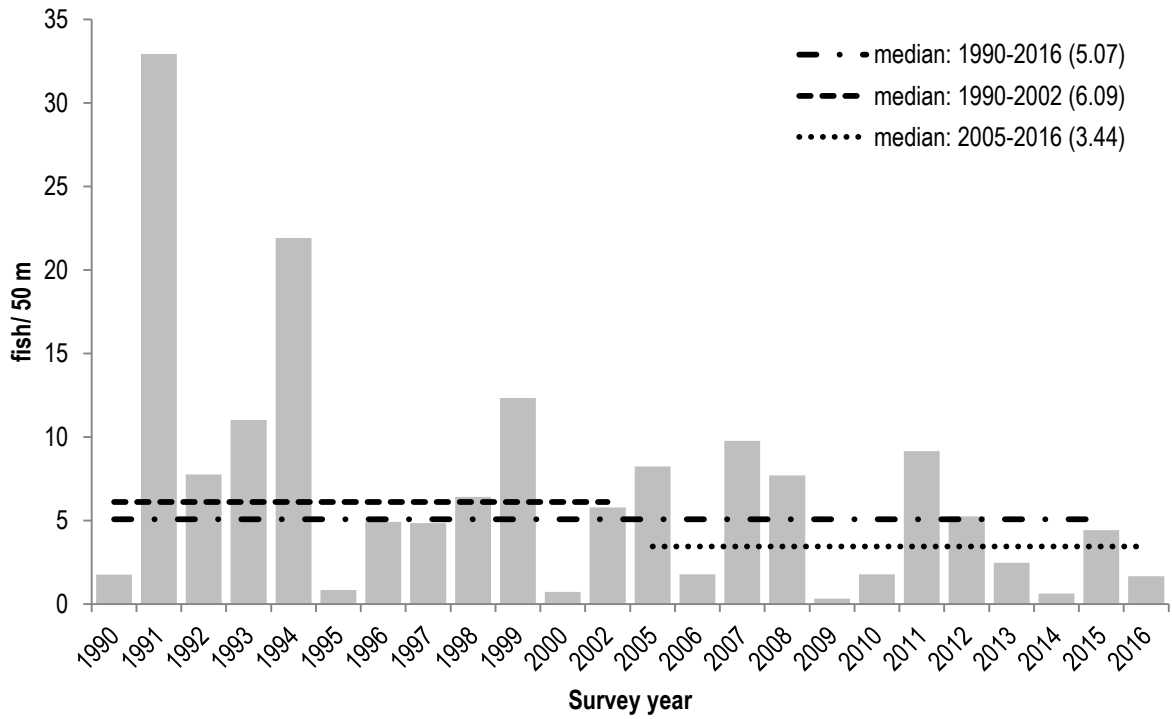


Figure 15: Backpack electrofishing catch rate (fish/ 50 m) of young-of-year Smallmouth Bass at two historic locations at the upper Juniata River between 1990 and 2016.

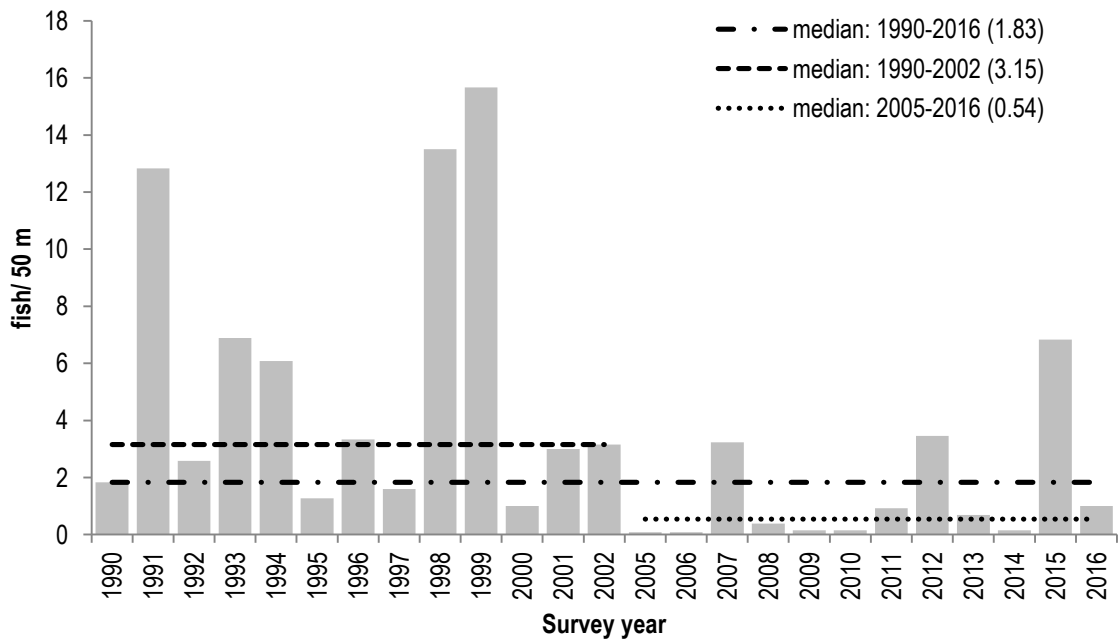


Figure 16: Backpack electrofishing catch rate (fish/ 50 m) of young-of-year Smallmouth Bass at two historic locations at the lower Juniata River between 1990 and 2016.

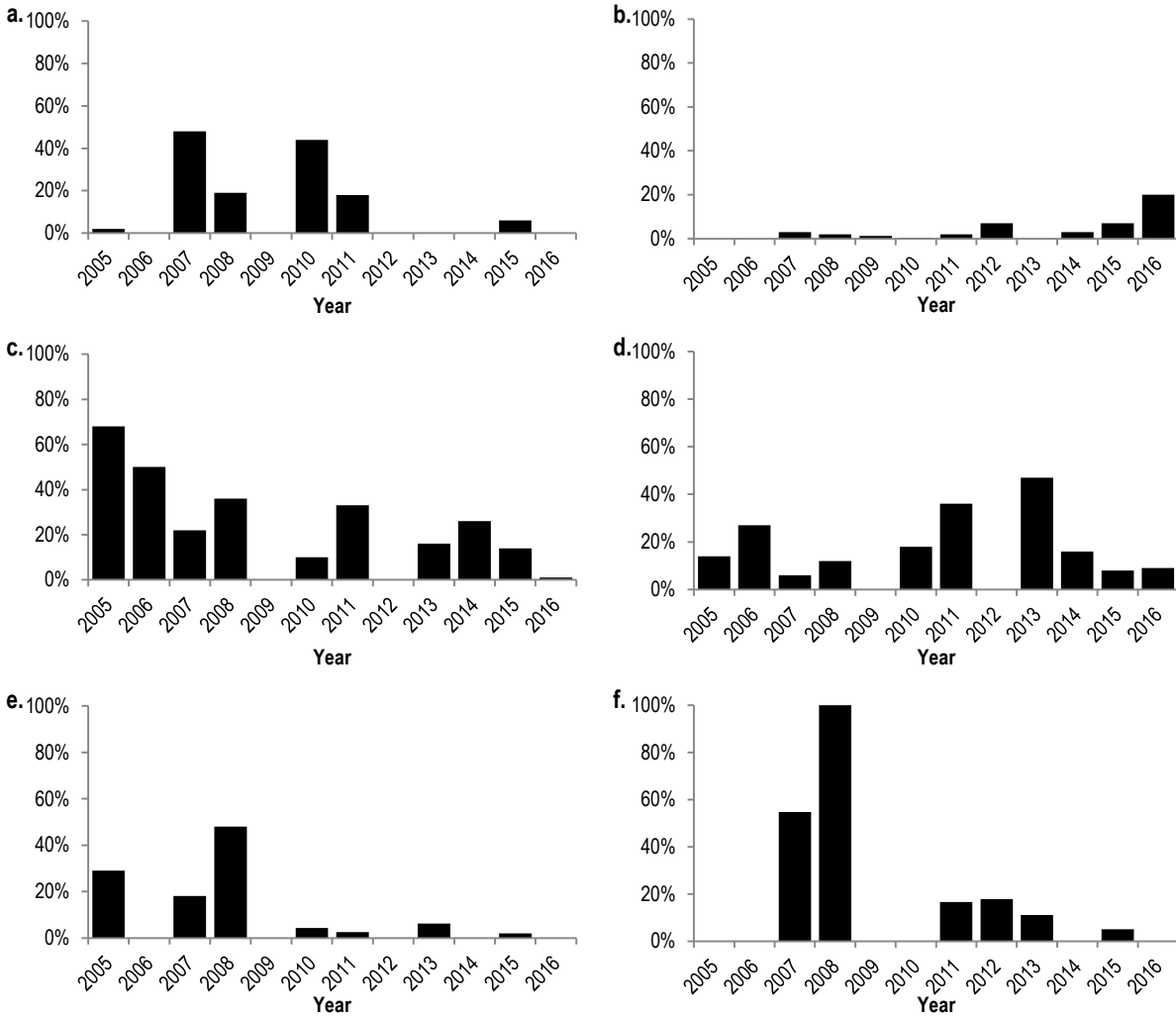


Figure 17: Proportion of young-of-year Smallmouth Bass caught during backpack electrofishing surveys displaying clinical signs of disease at (a) West Branch Susquehanna River, (b) upper Susquehanna River, (c) middle Susquehanna River, (d) lower Susquehanna River, (e) upper Juniata River, and (f) lower Juniata River.