

Project Highlight – SD State Wildlife Grant

Project Type Species inventory

Title Topeka Shiner monitoring in eastern South Dakota streams

In a nutshell Following listing of the Topeka Shiner as a federal endangered species, SDGFP led a state effort to develop a state management plan for this species. One of the Plan's commitments is to periodically monitor Topeka Shiner populations at representative sites in eastern South Dakota. This project was the second series of surveys in which habitat and biological data are collected.

Relevant Species of Greatest Conservation Need

- Topeka Shiner (*Notropis topeka*)

Relevant Habitats stream habitats in James, Big Sioux and Vermillion river drainages

Purpose

- Collect standardized biological and physical habitat data from all previously monitored streams.

Timeframe July 2010 – September 2012

Location James, Big Sioux and Vermillion rivers in eastern South Dakota

Summary or Important Findings

- Thirty-three sites were evaluated. Topeka Shiners were found in all surveyed streams and at 58% of sampled sites.
- Extreme weather conditions ranging from flooding to drought made sampling difficult, with the possibility that Topeka Shiners may have been present but undetected at some sites.
- The monitoring program will be evaluated to address challenges in resurveying specific sites at 3-year intervals.

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More Information

Pasbrig, C. A. and D. O. Lucchesi. 2012. Topeka Shiner (*Notropis topeka*) monitoring in eastern South Dakota streams (2010-2012), #T2-9-R-1 (Final report-executive summary).