

Trout Creek

Oneida Nation High School & Pulaski High School



PREVIOUS RESTORATION PROJECTS

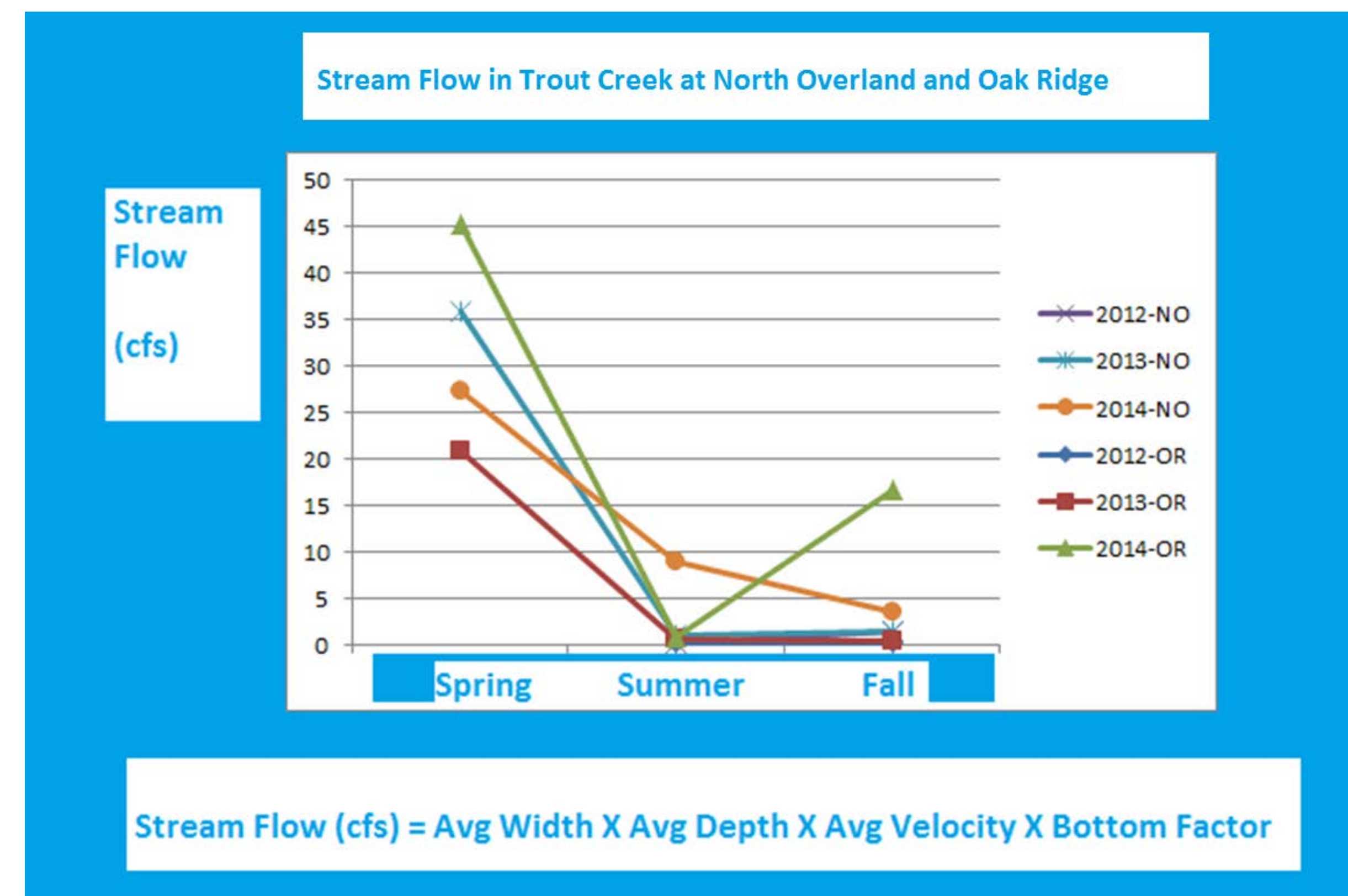
- *Manure containment system installed upstream of Cty U (2002)
- *Headwater tributary meandering between Olson and Cooper Roads (2003)
- *Engineered log jams on South Branch by Oak Ridge Road (2004)
- *Engineered log jams on North Branch by Shady Drive (2005)
- *Engineered log jams on Main Branch by Brookwood Drive (2006)
- *Buffers and grassed waterway installation (2002 - 2009)
- *Brook trout reintroduction (2009, 2010 and 2011)
- *Rerouting of stream at Brown County golf course (2012)



How will recent watershed improvement projects upstream impact our sites on Trout Creek?



**Tributary meandering between Olson Road and County U (2013)



The Oneida/Pulaski team began monitoring Trout Creek in the summer of 2012. One of the first things we noticed was the extremely low flow rate and how frequently this occurred. The exception, of course, is in the spring or after a major rain event. We could call Trout Creek a bit "flashy." Our data reflects the seasonal springtime high water. Restoring the meandering pathway of the stream should help prevent extremes in water flow due to rain events by slowing down the water flow.

Another benefit of the restoration project is the creation of buffers as the stream moves through the agricultural fields. Buffers work to reduce agricultural run off; therefore, we anticipate a decrease in nitrogen and phosphorous levels found in the stream.

Within a few years, we anticipate lower stream temperatures, as a result of the shade provided by the trees planted in the buffer zone.

Each of these changes should lead to an improved habitat for the Trout that have been reintroduced to the Trout Creek system.

