Natural Community Verification Report

Waterbody Name (WBIC): SOFT MAPLE CREEK (2356600)

Swims Station ID: 10044235

Survey Sequence Number: 515079902

This NC Verification Report was run on Big Soft Maple Creek DS Railway Avenue, (10044235), located in RUSK County with fish Survey Sequence Number 515079902 sampled on September 25, 2015. The Natural Community for this station was verified by Jon Kleist on December 11, 2018.

The Natural Community was modeled *Cold Transition Headwater* and is now Verified as *Cold Transition Headwater* .

Fish captured

Species	Count
BROOK STICKLEBACK	7
BURBOT	2
CENTRAL MUDMINNOW	14
COMMON SHINER	6
CREEK CHUB	57
FINESCALE DACE	1
REDHORSES	3
WESTERN BLACKNOSE DACE	12
WHITE SUCKER	16

Survey location
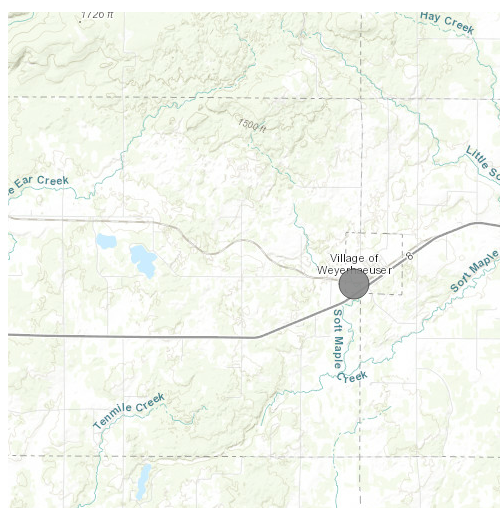
Guild percentages

Thermal	Percent.Indiv.	Size	Percent.Indiv.	Tolerance	Percent.Indiv.
Coldwater	0	Small	79	Intolerant	0
Transitional	95	Medium	19	Intermediate	8
Warmwater	5	Large	2	Tolerant	92

Cold Transition Headwater Guild Test
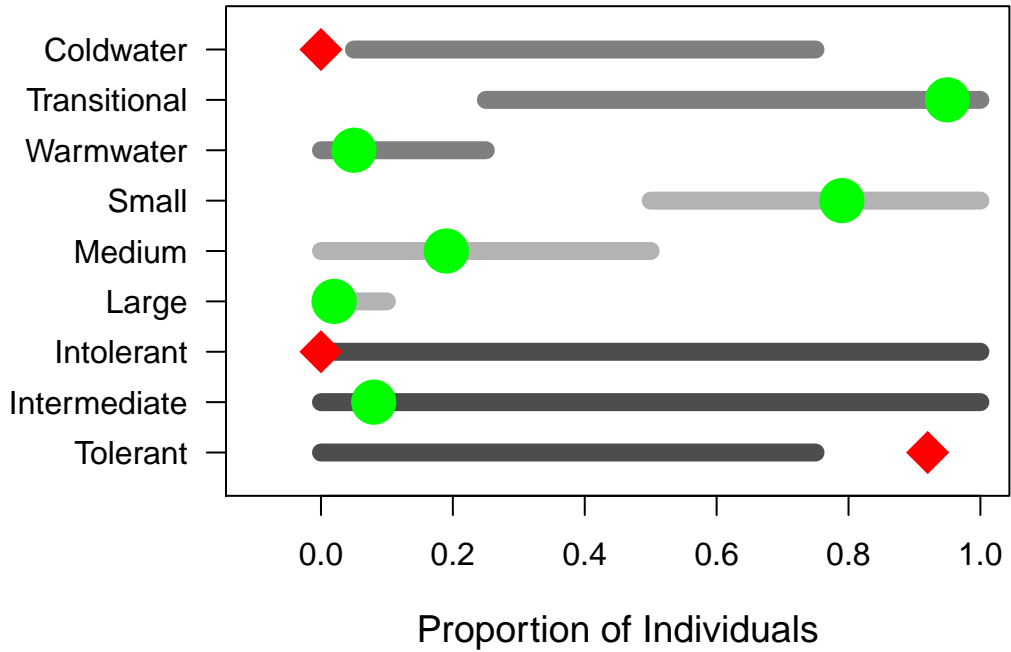
Comments from WR Biologist:

Multiple surveys in the area show the fish community warmer than as modeled. We do not know what the reason is. There is recommendation entered into WATERS for further study. (2018) [note: lyons paper indicated two would be human induced; this is not human induced.]

The modeled NC was retained because the fish survey failed both of the tolerance tests, indicating the fish community may be degraded and should therefore not be used to verify the NC. If future monitoring along this reach provides more reliable fish data for a Verification, additional monitoring and Verification of the NC is recommneded.