



ULTIMATE GOAL FOR BIOLOGICAL ASSESSMENT

- ⑤ To be able to examine a **standardized biological collection** and determine if the stream is supporting the fish community it is capable of supporting and determine at what level the **appropriate** “Fish and Wildlife Propagation” **Beneficial Use is being supported**

Public/Private Water Supplies

Agriculture

Body Contact Recreation

Hydropower

Agriculture

Fish and Wildlife Propagation

Aesthetics

Navigation

Industrial / Municipal Cooling Water

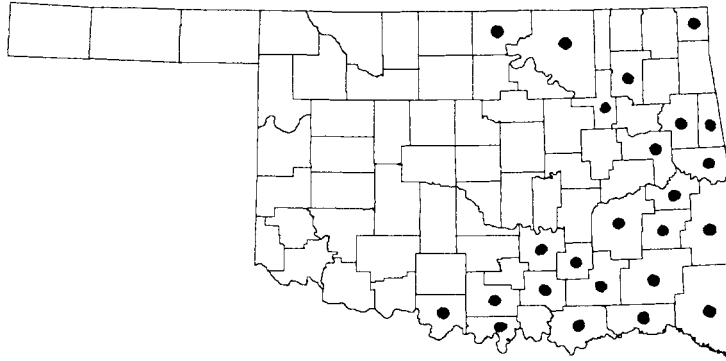
Habitat Limited
Aquatic Community

Warm Water A.C.

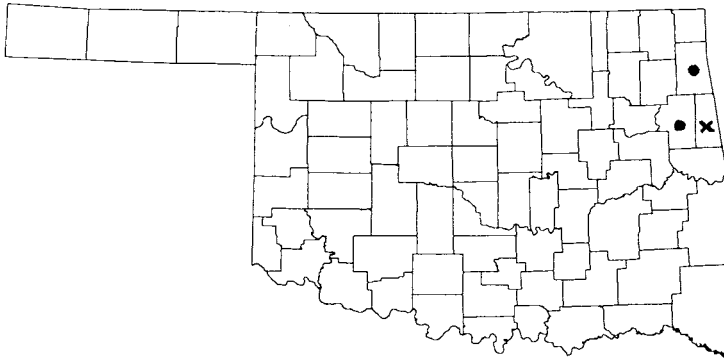
Cool Water A.C.

Is this stream supporting its Beneficial Uses?



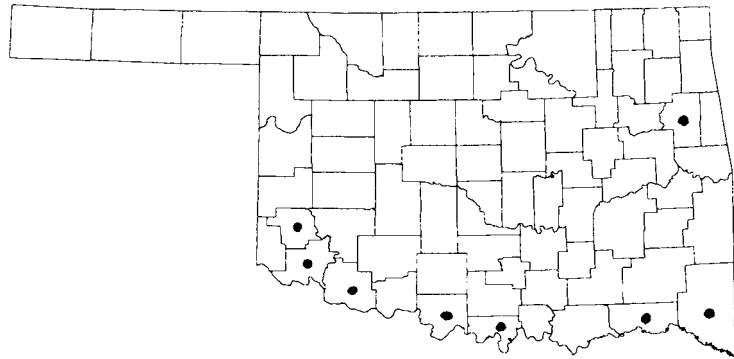


Moxastoma erythrurum
(Golden redhorse)

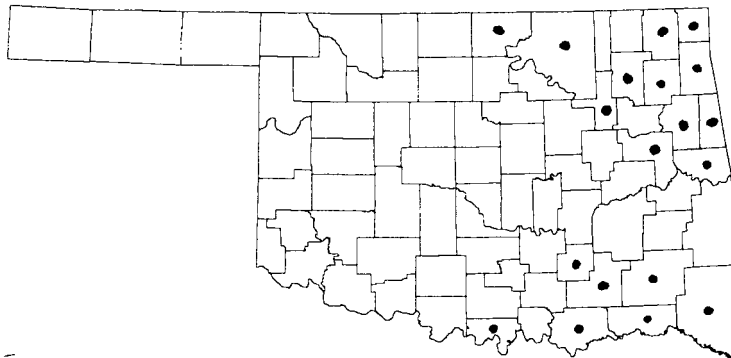


CENTRARCHIDAE

Ambloplites rupestris
(Rock bass)



Notropis potteri
(Chub shiner)



Percina phoxocephala
(Slender headed darter)

USE SUPPORT ASSESSMENT PROTOCOLS

The ability to consistently determine

- if the Beneficial Use is being supported
- the level at which the Beneficial Use is being supported (fully, partially, threatened, etc)

Benefits:

- “blind to source”
- can be used by any agency
- high level of precision and accuracy
- focused toward 303(d) list and reporting compliance

OTHER BIOLOGICAL COLLECTION ACTIVITIES

Ok Conservation Commission:

- non-point source impacts (CWA §319)

Ok Dept of Environmental Quality:

- fish consumption advisories

Many agencies will be periodically employing biological collections to determine if their activities are protecting WQS

**ALL ACTIVITIES ADDRESSING
BENEFICIAL USE SUPPORT MUST
FOLLOW APPROPRIATE
USAP (effective July 2000)**