

A Tale of Two Streams

{ Candice M. Miller, Oklahoma Conservation Commission



Blue Thumb



Stream Protection Through Education

{ Crow Creek

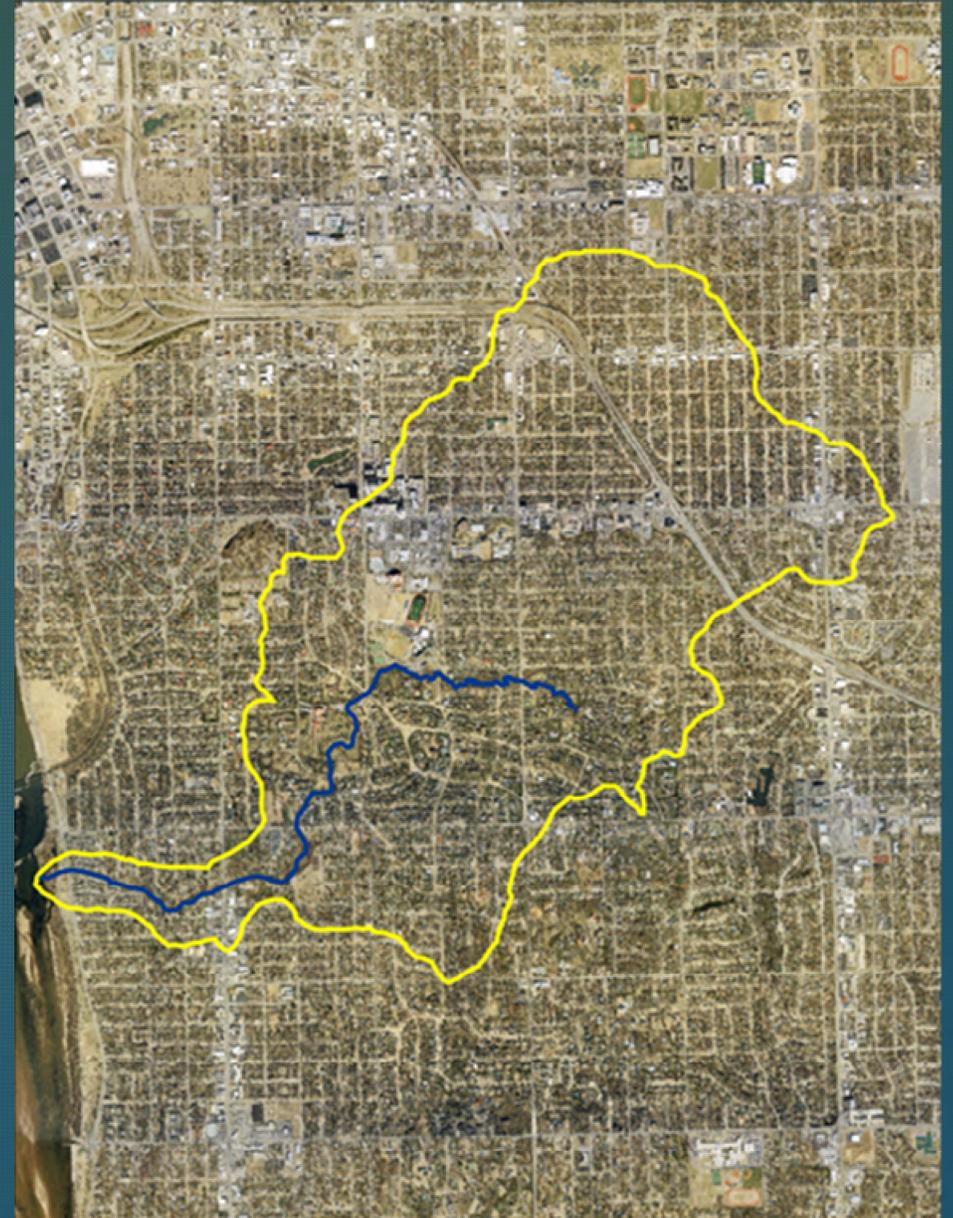
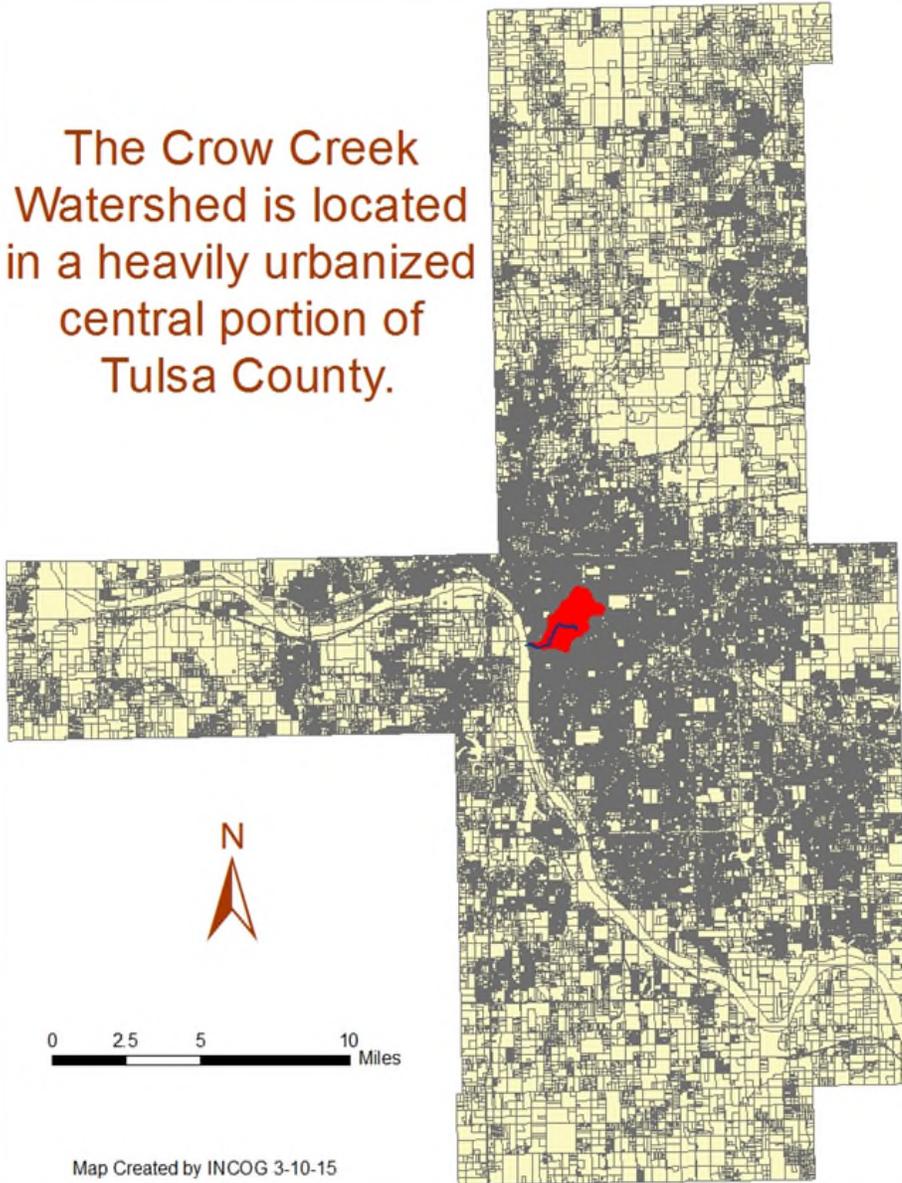
- ⌘ 20 years of Blue Thumb monitoring
- ⌘ Urban
- ⌘ 1,789 acres
- ⌘ 303d Listed
 - ⌘ Dissolved Oxygen
 - ⌘ Bacteria
 - ⌘ Fish Community
 - ⌘ Macroinvertebrate Community

{ Pennington Creek

- ⌘ 10 years of Blue Thumb monitoring
- ⌘ Rural
- ⌘ 59,700 acres
- ⌘ Delisted in 2012
 - ⌘ Bacteria

Priority Watersheds

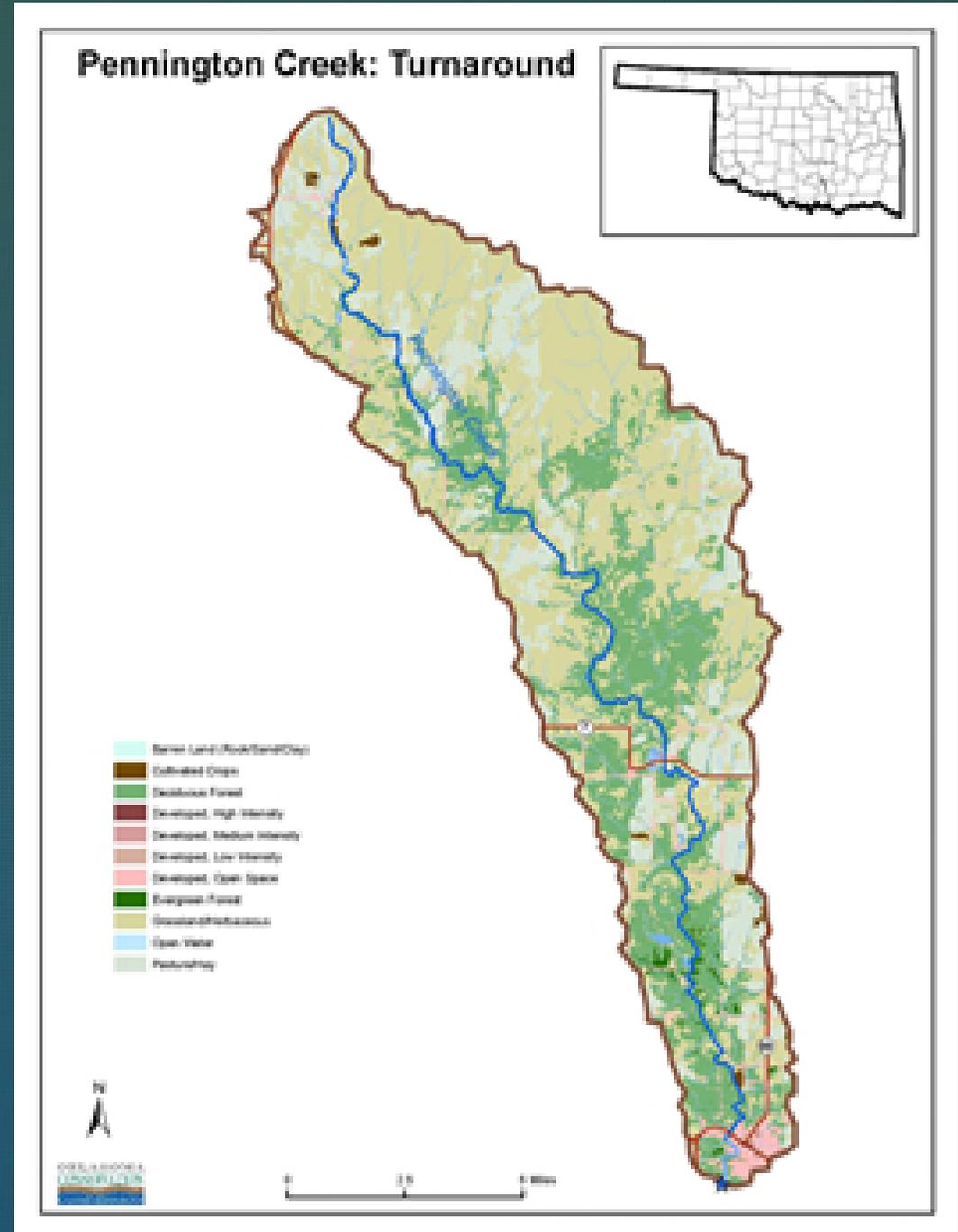
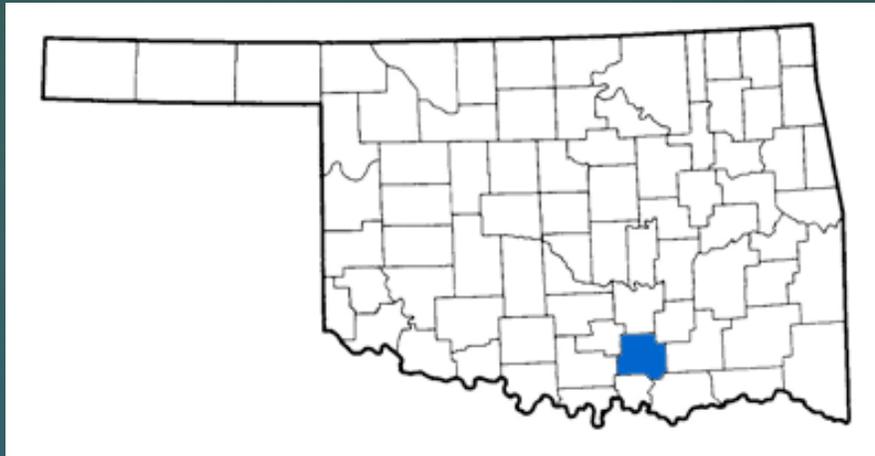
The Crow Creek Watershed is located in a heavily urbanized central portion of Tulsa County.



Crow Creek



Crow Creek



Pennington Creek



Pennington Creek



It's always a beautiful day at
CROW CREEK

Friends of
Pennington Creek

Activating a Community



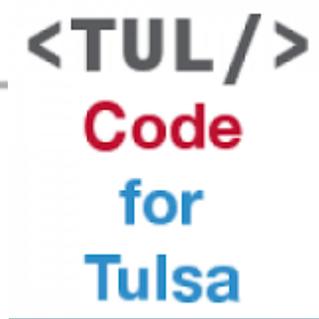
OKLAHOMA
CONSERVATION
COMMISSION



TISHOMINGO



MURRAY
STATE COLLEGE



Cooperators



Beautification in Progress
 Demonstration site for protecting Crow Creek through native plantings and landscape design, expert construction.

What To Look For:
 2016:
 • Eliminate Bermuda Grass
 • Protect Crow Creek

Crow Creek Community
 Community

Questions? We would love to help
 crowcreek.com@outlook.com
 www.facebook.com/CrowCreekCommunity

Like Message

Timeline About Photos Likes More

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195 people like this
 Cheryl Cheadle and 5 other friends

Invite friends to like this Page

ABOUT

Citizens working together to help improve water quality and life in and around Crow Creek as it flows through midtown Tulsa.

Ask for Crow Creek Community's website

PHOTOS

Crow Creek Community
 April 22 at 6:20pm

Happy Earth Day! The Crow Creek Community was at Tulsa University's Earth Day Celebration where hundreds of children created their own fish print. On the back of each piece of art is information on how to help Crow Creek become a healthy stream.

Friends of Pennington Creek
 @FriendsofPenningtonCreek

Like Message

Timeline About Photos Likes More

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190 people like this
 Karla Stone Spinner and 2 other friends

Invite friends to like this Page

ABOUT

Citizens working together to help maintain high water quality in Pennington Creek.

Ask for Friends of Pennington Creek's website

PHOTOS

Friends of Pennington Creek added 2 new photos.
 6 hrs

This week's featured fish is the smallmouth buffalo!
 This fish can be confused with common carp to new anglers. They have a sucker-like mouth, bottom feeding on invertebrates, algae, and detritus.... See More

Water Pollution Solution
 #11

PICK UP AFTER YOUR PET! AMERICA'S 83 MILLION PET DOGS PRODUCE SOME 10.6 MILLION TONS OF POOP EVERY YEAR. A SINGLE GRAM OF DOG POOP CONTAINS AN ESTIMATED 23 MILLION BACTERIA YET ONLY 60% OF DOG OWNERS PICK UP AFTER THEIR PETS. STUDIES HAVE TRACED 20-30% OF THE BACTERIA IN WATER SAMPLES FROM URBAN WATERSHEDS TO DOG WASTE.

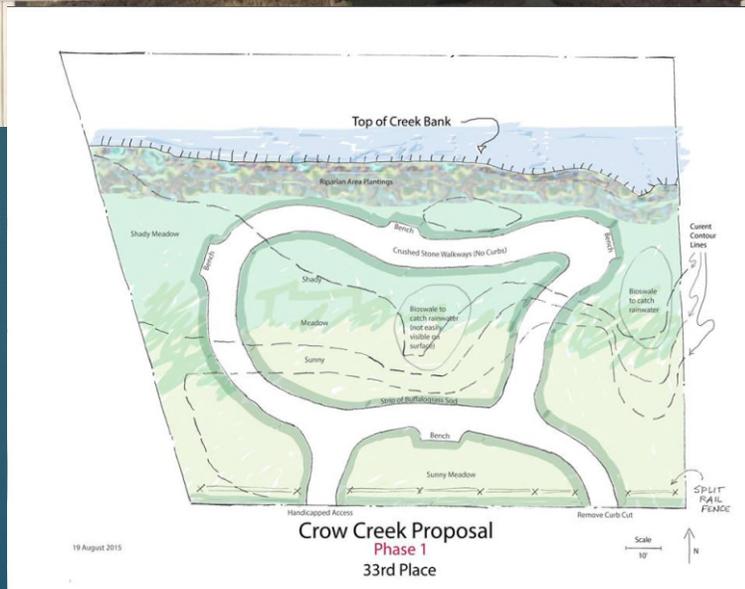
Social Media



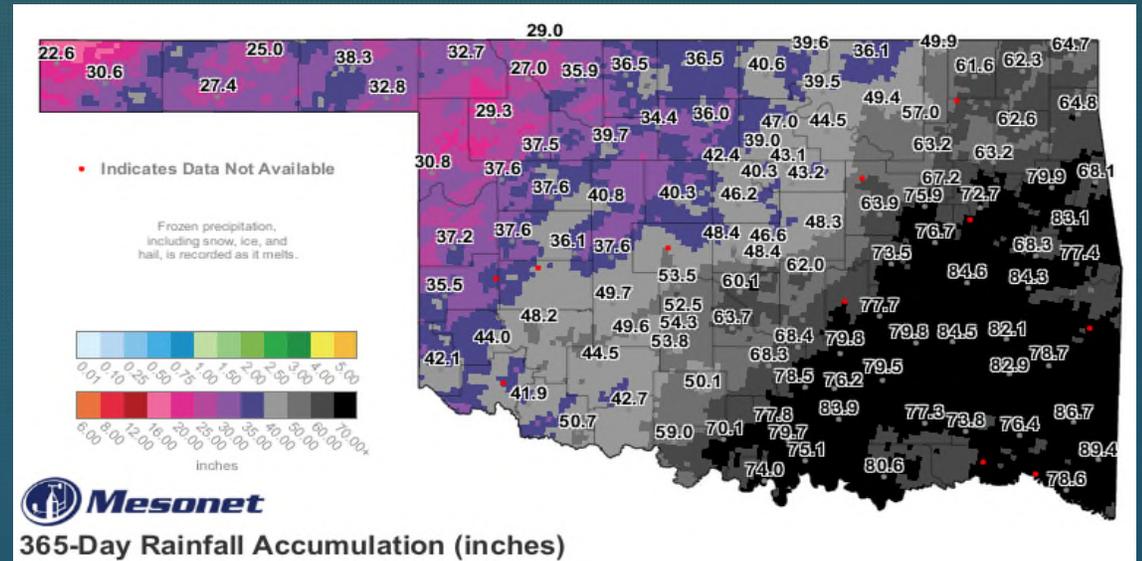
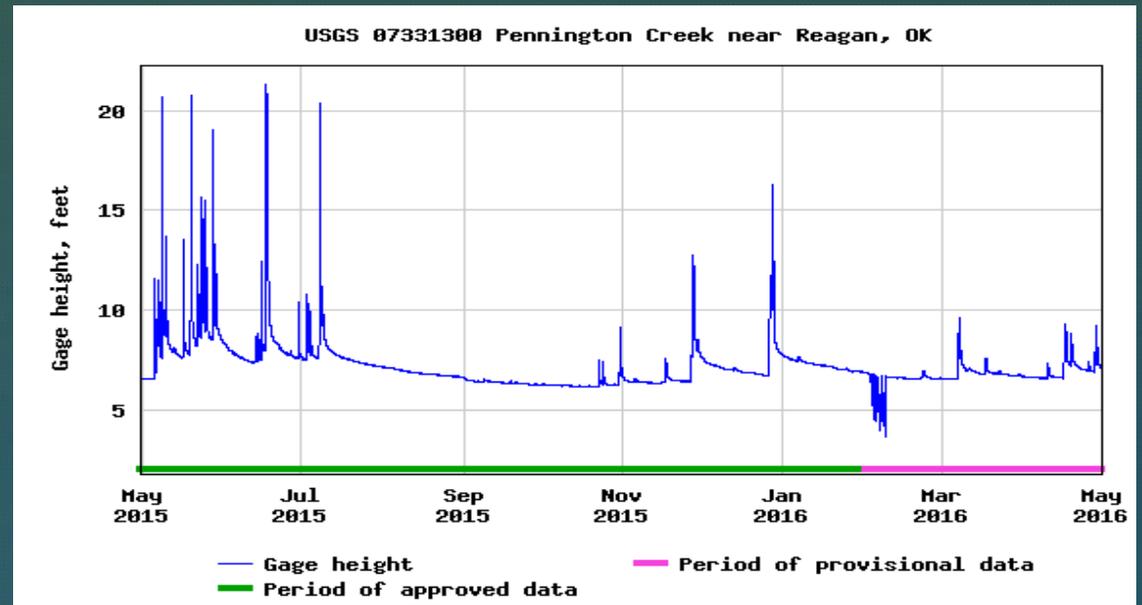
Creek Cleanups

Native Plant Meadow/Riparian Area

Regatta



Community Events/Projects



Challenges

- not always within your control

Johnston County Capital-Democrat

March 10-16, 2016

e-mail us at: capital_democrat@yahoo.com

Tishomingo, OK • 75c



**FOOT
PRINTS**
J. Ray
Liskey

The rocking chair

In the life and times of Yours Truly, one of the many chapters in the winter spent fresh out of college (during my fancy off sitting on top of a mountain in the Colorado Rockies).

At the time, I was serving as the camp tender at a small camp operated by the Boys Club of Denver located near the top of the Continental Divide. A big part of my job was just being on the premises, providing security for a kids

Council 'pooh-poohs' dog station proposal *Motion to approve clean-up effort dies for lack of second*

By John A. Small
News Editor

Well, it may not have hit the fan and none of it seemed to fall downhill. But that didn't stop it from being the main topic of discussion during Monday night's meeting of the Tishomingo City Council.

The "it" in question being animal waste - dog waste, to be more precise. Council members heard a proposal submitted by the Friends of Pennington Creek Park organization, requesting the installation of dog waste stations at the park and along the city's walking trails.

Friends spokesperson Candice Miller said the group was asking for a total of eight stations to be installed in the park and along the trails. She did

not give a cost estimate for the project, but said the Friends group would pay for the purchase and installation of the stations.

Miller said the group would also supply the initial stock of small plastic bags to be placed at each station, roughly one year's worth. She said the group was asking that the city assume responsibility for future bag purchases, as well as for the maintenance of the waste stations.

According to Miller, the stations would be placed at each marker along the trail system, which includes the park. Each station would include the dispenser for bags, as well as a jar specifically to be used for disposing of the used bags.

Miller stressed that placement of the stations would help to protect the environment as well as the health and safety of individuals utilizing the

walking trails.

Public Works Director Marlon Sullivan expressed some concerns about possible vandalism of the waste stations, particularly those located in areas in more remote portions of the trail system where city workers visit only occasionally for mowing and maintenance purposes.

But the majority of council members questioned whether there is even a need for such stations.

"Do we really have a feces problem on our trails?" Mayor Tom Liskey asked at one point, indicating that he regularly uses the trails and has not noticed large amounts of dog waste.

Other council members echoed that sentiment, and Councilman Don Koel took the issue a step

See **COUNCIL**, Page 10



Challenges

- Not always what you expect!

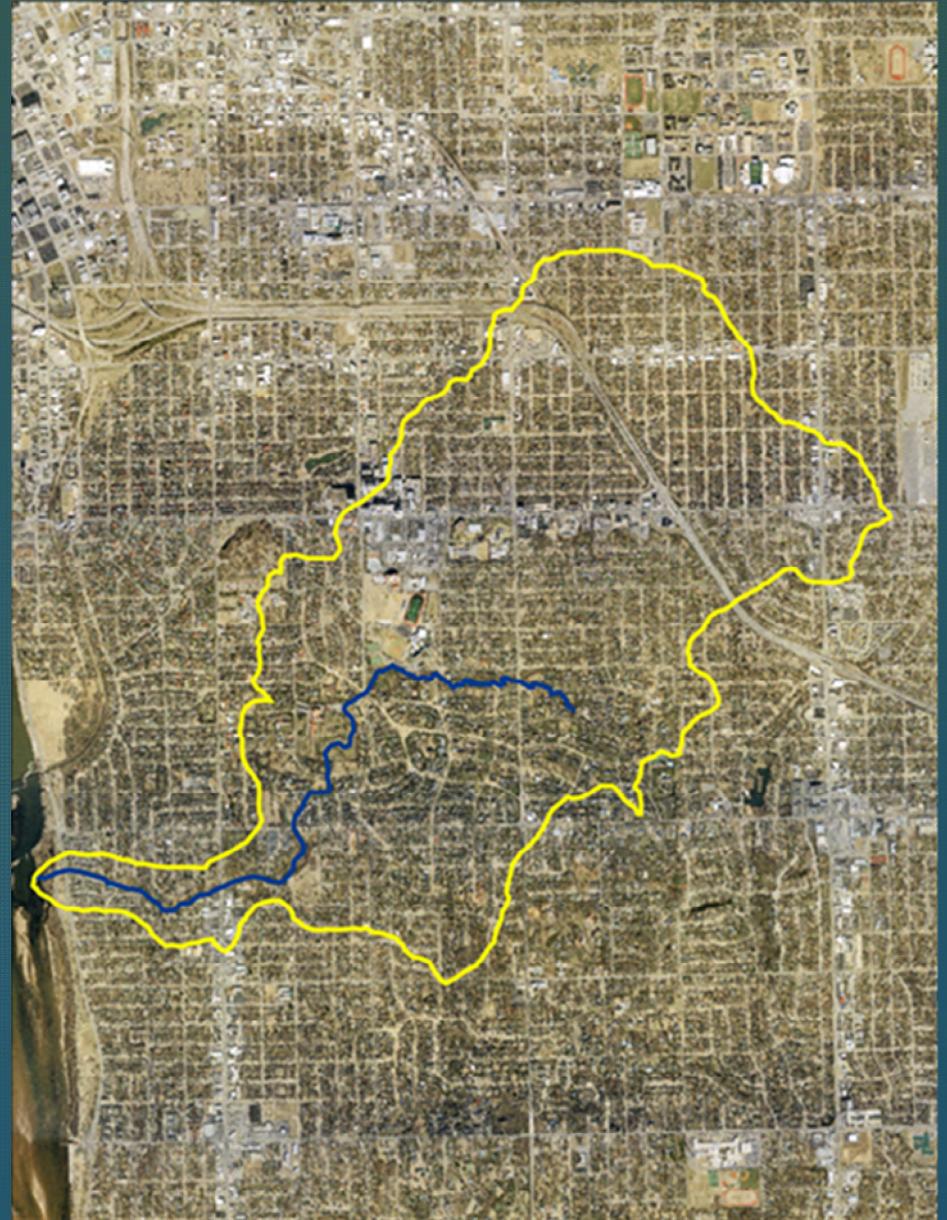
& Number of people

& Private property

& Barriers to fish migration

Challenges

- Can feel overwhelming





& Wear your heart on your sleeve

& Integrity and creativity

Moving Forward

Thank you!

Candice M. Miller
OCC Blue Thumb

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