

Open Waters Data Sharing and Collaboration with Tribal Nations



NGAC Meeting

4.6.16

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NATION**

Open Waters Project



- Open Waters water quality solution
 - FY 2011 EPA Exchange Network grant funded project
 - User friendly for non-technical staff
 - Multi-tribal (organization) support
 - Centralize water quality data
 - Open source: Available to all

Open Waters
water quality data management



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Organization:

Welcome **tharjo** [\[Log Out\]](#)

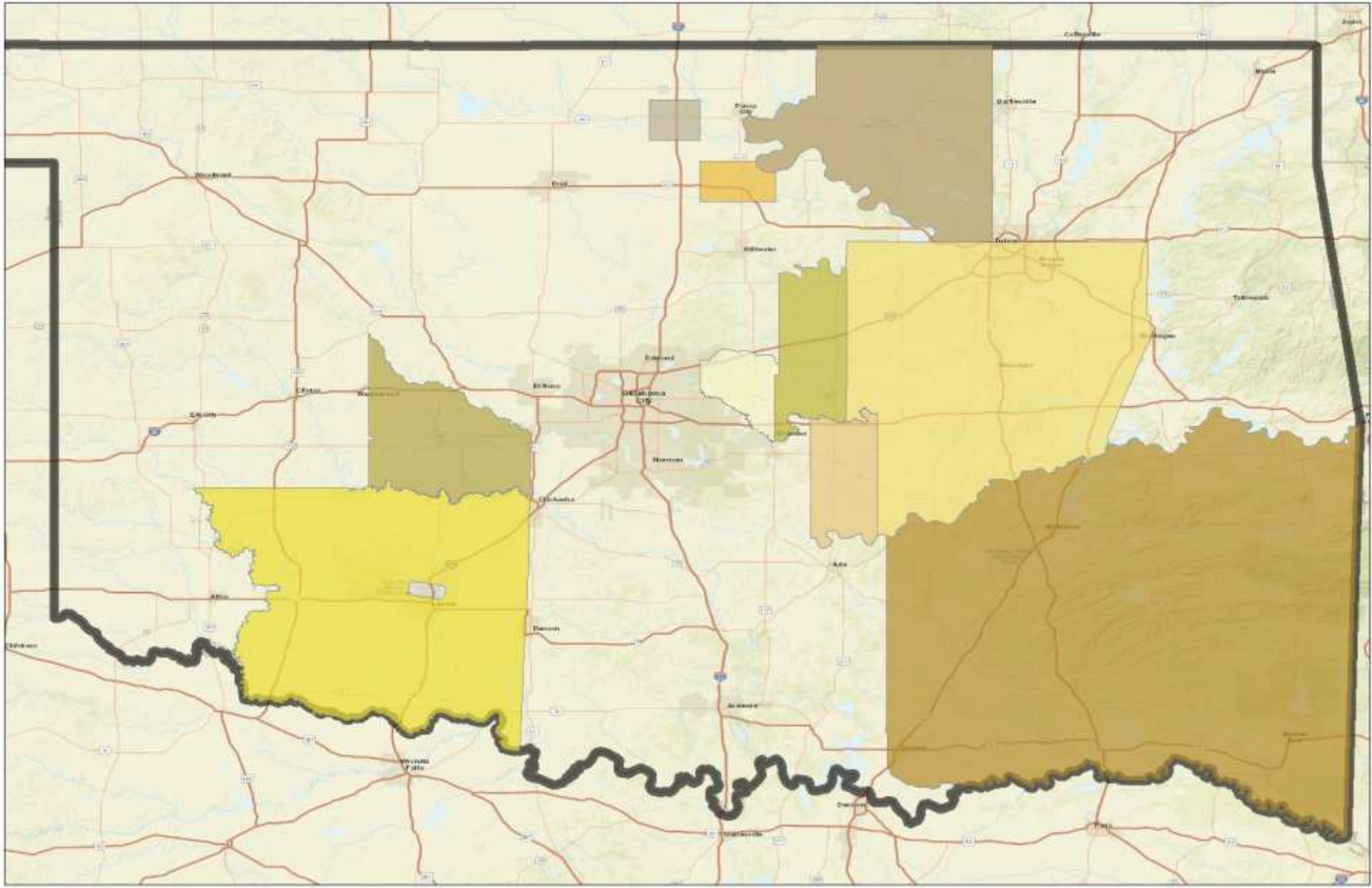
Collaborative Project



- Open Waters Collaborative Partners

Tribe	Previous Data Migrated From WQX Into Open Waters	Accounts Setup So Submissions Can Be Made from Open Waters to EPA-WQX
Absentee Shawnee	Yes	Yes
Choctaw	Yes	Yes
Delaware	Yes	Yes
Osage	Yes	Yes
Tonkawa	Yes	Yes
Otoe-Missouria	Yes	Yes
Kiowa	Yes	Yes
Kickapoo	Yes	Yes
Sac and Fox	Yes	Yes
Seminole Nation	Yes	Yes
Wichita	Yes	Yes

Collaborative Project



Past Data Challenges



- No centralized data repository or sharing outlets within the tribe
- Data management is handled through excel files
- Data is not submitted on a regularly scheduled basis
- Submission of data to EPA through the WQX web tool is cumbersome and complicated for non-technical users

Meeting the Tribe's Needs



- Ability to share information with tribal decision makers
- A need to archive or search past records easily
- A solution the end user can easily operate without being too technical
- Incorporate GIS mapping/graphing tools to allow the overlay of other tribal data with water quality data

Open Waters Development



- Data management application that integrates data synchronization
- Flexible solution that will allow the water program to expand
- An application that will allow other tribes that don't have the infrastructure to submit their own data to EPA

Demo



[OpenWaters](#)