



United States Department of Agriculture

Addressing Water Issues Through Partnerships and USDA Programs

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Addressing Oklahoma Water Issues

- Most efforts done on a field basis with individual landowners
- Landscape is like pieces of a jigsaw puzzle – each piece fits together with another
- Maximum water quality benefits come from a completed puzzle – all stakeholders involved
- Challenge
 - Each piece may be controlled by different landowners with different views and objectives
- Conservation Planning leads to more opportunities for “Conservation on the Ground”
 - Planning = Educate, Motivate and Influence – System Approach
- Partnerships
 - Reaching more landowners/managers
 - Coordinated and Targeted Conservation Efforts
 - Programs working together



Addressing Oklahoma Water Issues

- Conservation Planning and Implementation Process
 - Collection and Analysis – NRCS assessment tools and monitoring activities; benchmark monitoring data; 303d list
 - Develop solutions – Systems Approach – right practices, right time, right place; research
 - Implementation and Evaluation – evaluate effectiveness of implemented practices and allow for adaptive management; monitoring programs
- Financial Assistance - Farm Bill Programs
 - Various programs, purposes and rules
 - Provides financial assistance to apply practices

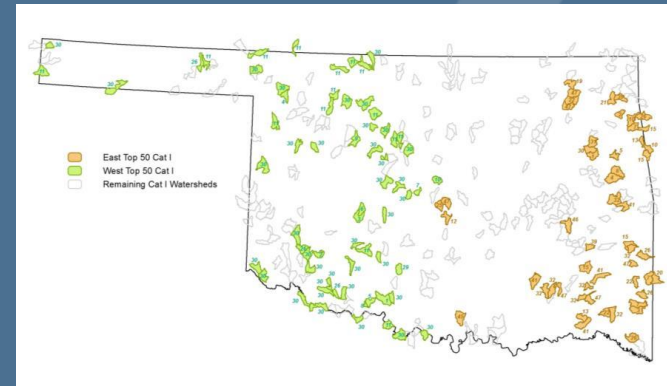
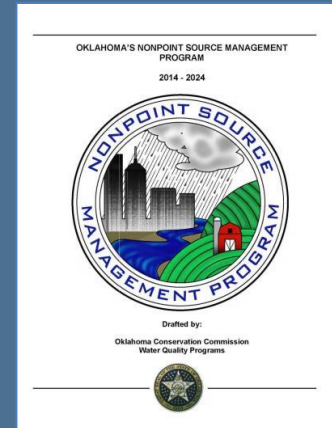


Targeting Efforts



Partners Working Together

- Working Group to develop Oklahoma Strategies
 - Oklahoma Nonpoint Source Management Plan revision
 - Unified Watershed Assessment –
 - Ranking watersheds (HUC 12)
 - Serves as foundation to target CWA program efforts (319, TMDL, NPS implementation)
 - Serves as resource for targeting NRCS efforts



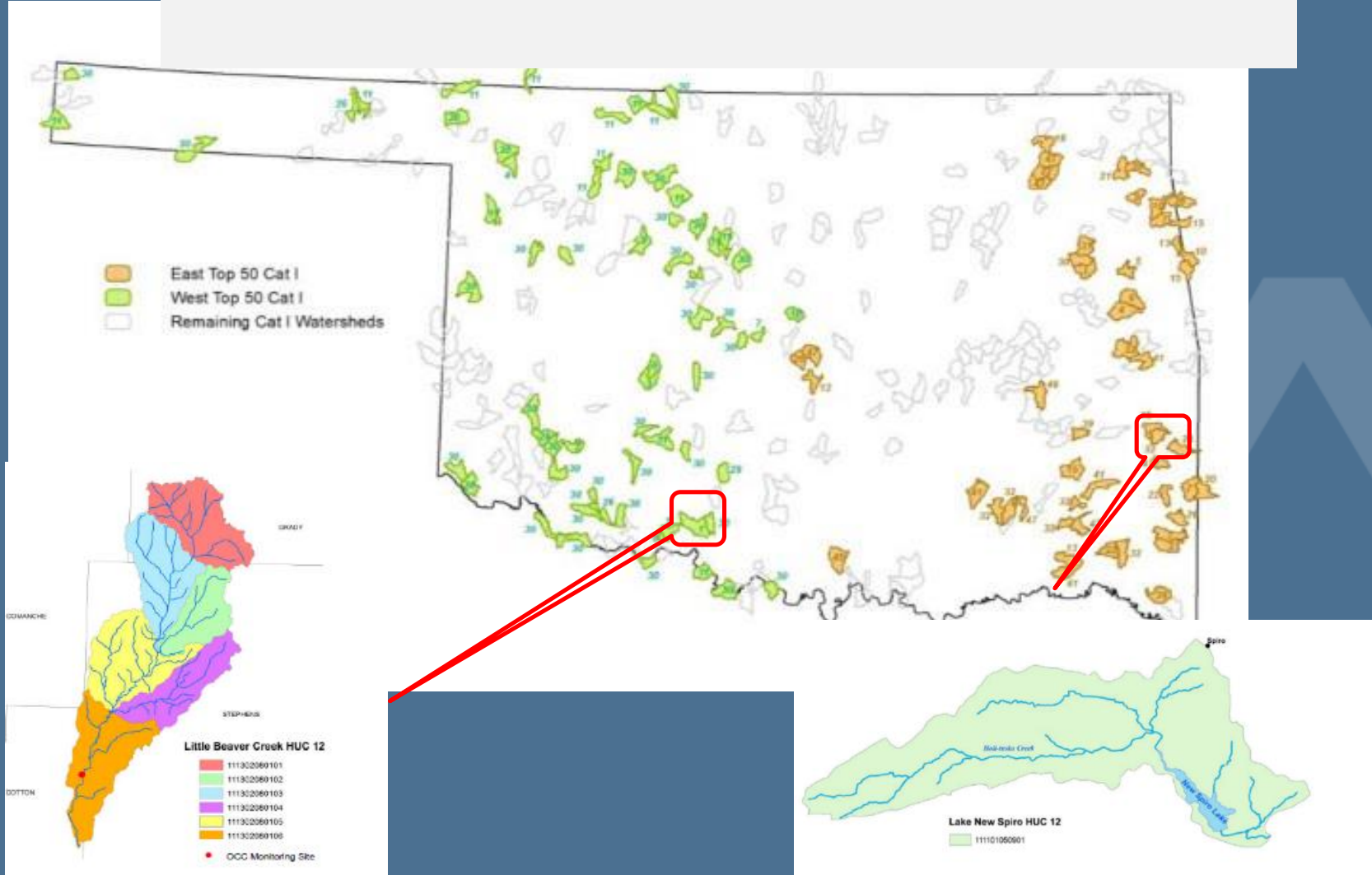
National Water Quality Initiative

- Goal remove streams from 303d list
 - Ag related - Nutrients, pesticides, sediments, pathogens
- Investment in Conservation yields multiple benefits
 - Reduced Pollutants – Cleaner, safer water; Wildlife; Recreation
 - Enhanced Productivity and food security
- Watershed Selection
 - Local and State Partners



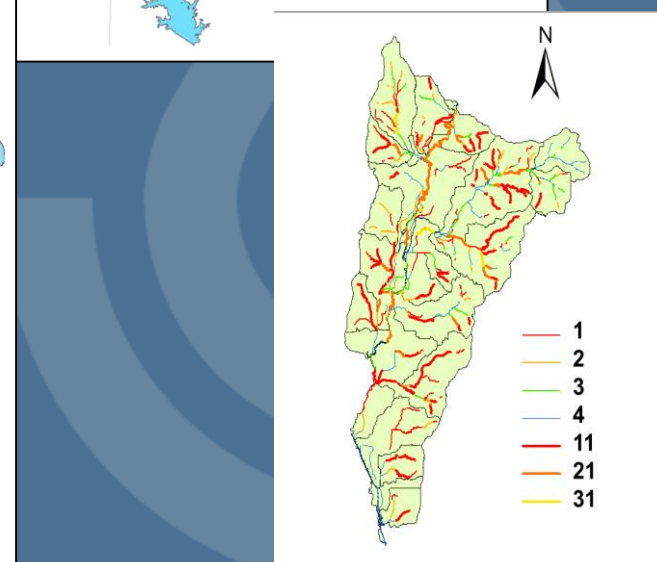
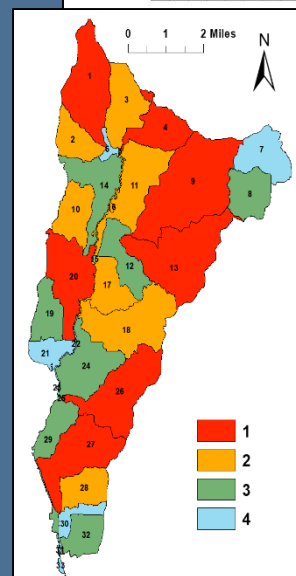
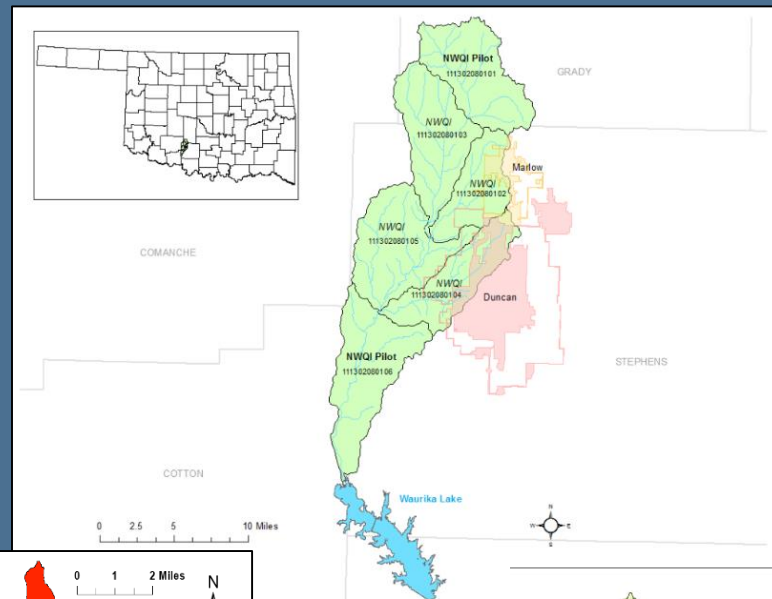
Two priority watersheds (Source Water) – 2015-2020

- ❑ Little Beaver Creek (Waurika Lake)
- ❑ New Spiro Lake

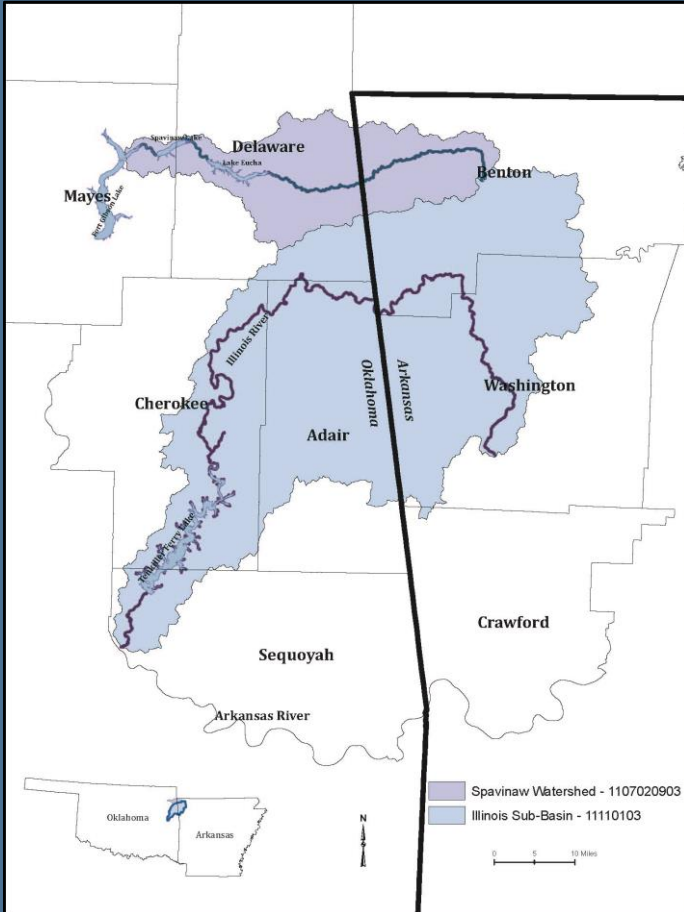


NWQI Little Beaver WS – Waurika Lake

- 2018- Development of watershed level assessment, outreach plans, and on-farm planning (2 additional HUICS)
 - Used as basis for future FA (EQIP, 319)
 - Vulnerable acres – runoff, sedimentation, lack of conservation practices
 - Identify causes
 - Solutions
 - Outreach Plan – target producers
- Partner with OCC – Water Quality Division
- On farm planning, outreach and contracting beginning in 2019
- \$2 million investment over next 5 years
- Future opportunity for expansion to all contributing watersheds



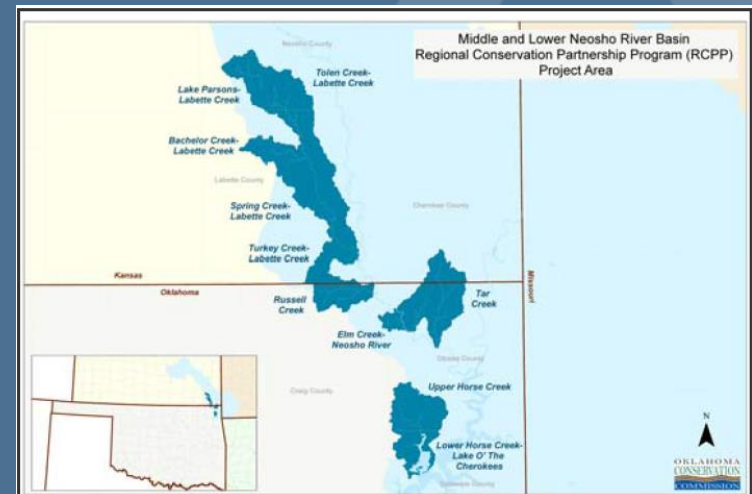
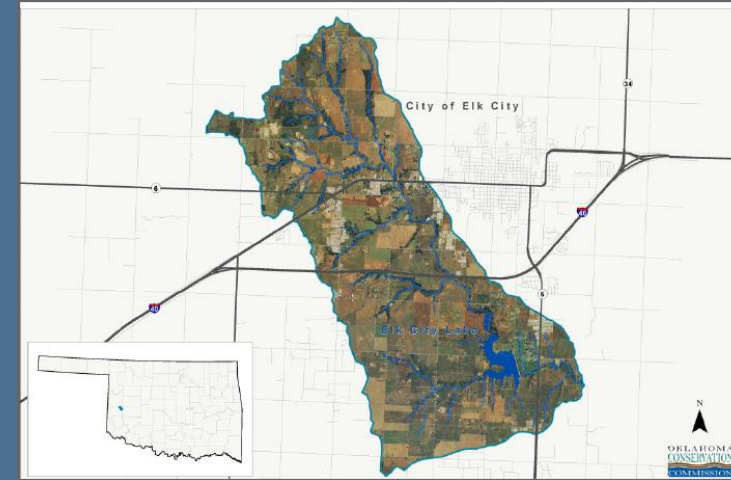
Illinois River – Eucha Spavinaw

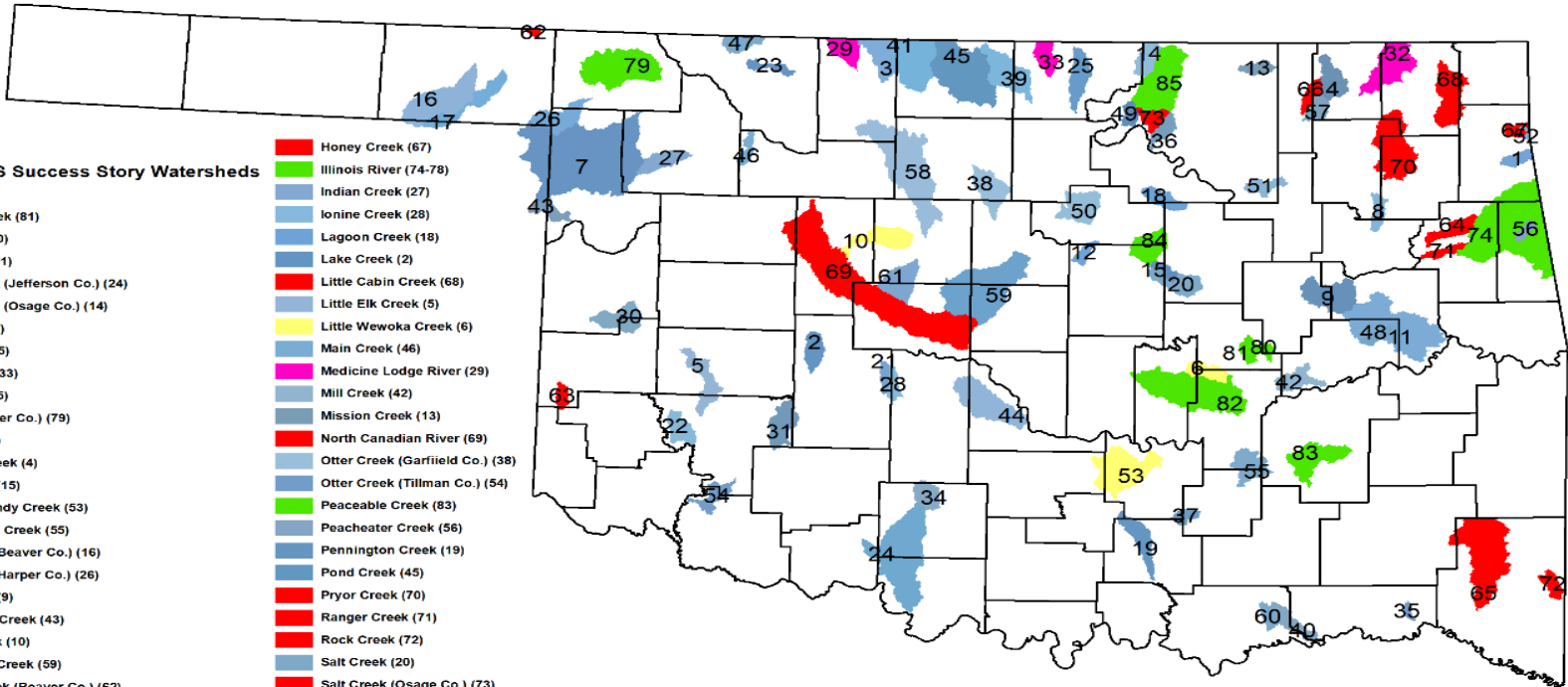


- 2010 – 2018 project
- Goal: Improved water quality
 - Animal Wastes
 - Sediment
 - Livestock use
- > \$20 million and 100,000 acres
- Work continues through EQIP, CStP, and partner efforts

Regional Conservation Partnership Program (RCPP)

- Promotes coordination between NRCS and our partners to deliver conservation assistance to producers and landowners
 - Leveraging Resources to better accomplish common goals
- Oklahoma – 6 projects; 2 Water Quality
 - Elk City Lake - \$3.1 Million planned investment
 - Middle and Lower Neosho - \$8.1 million planned investment





Counties

Oklahoma NPS Success Story Watersheds

- Alabama Creek (81)
- Bad Creek (80)
- Beaty Creek (1)
- Beaver Creek (Jefferson Co.) (24)
- Beaver Creek (Osage Co.) (14)
- Big Creek (32)
- Bird Creek (35)
- Bitter Creek (33)
- Bois d'Arc (25)
- Buffalo (Harper Co.) (79)
- Bull Creek (8)
- California Creek (4)
- Camp Creek (15)
- Canadian Sandy Creek (53)
- Caney Boggy Creek (55)
- Clear Creek (Beaver Co.) (16)
- Clear Creek (Harper Co.) (26)
- Cloud Creek (9)
- Commission Creek (43)
- Cooper Creek (10)
- Cottonwood Creek (59)
- Crooked Creek (Beaver Co.) (62)
- Crooked Creek (Grant Co.) (41)
- Curl Creek (57)
- Deer Creek (39)
- Delaware Creek (51)
- Dirty Creek (11)
- Doga Creek (49)
- Duckpond Creek (17)
- Dugout Creek (12)
- Elk Creek (48)
- Euchee Creek (84)
- Fish (63)
- Fourteenmile Creek (64)
- Glover River (65)
- Goose Creek (37)
- Gray Horse Creek (36)
- Hogshooter (66)
- Honey Creek (52)
- Honey Creek (67)
- Illinois River (74-78)
- Indian Creek (27)
- Ionine Creek (28)
- Lagoon Creek (18)
- Lake Creek (2)
- Little Cabin Creek (68)
- Little Elk Creek (5)
- Little Wewoka Creek (6)
- Main Creek (46)
- Medicine Lodge River (29)
- Mill Creek (42)
- Mission Creek (13)
- North Canadian River (69)
- Otter Creek (Garfield Co.) (38)
- Otter Creek (Tillman Co.) (54)
- Peaceable Creek (83)
- Peacheater Creek (56)
- Pennington Creek (19)
- Pond Creek (45)
- Pryor Creek (70)
- Ranger Creek (71)
- Rock Creek (72)
- Salt Creek (20)
- Salt Creek (Osage Co.) (73)
- Salt Creek (Osage Co.) (73) (85)
- Sandstone Creek (30)
- Sandy Creek (3)
- Stillwater Creek (50)
- Stinking Creek (Caddo Co.) (21)
- Stinking Creek (Kiowa Co.) (31)
- Sulphur Creek (60)
- Tepee Creek (22)
- Turkey Creek (58)
- Turkey Creek (Woods Co.) (23)
- Walnut Creek (44)
- Wewoka Creek (82)
- Whitegrass Creek (40)
- Wildhorse Creek (34)
- Winter Camp Creek (61)
- Wolf Creek (7)
- Yellowstone Creek (47)

2019 NPS Success Stories
12 New Stories and 3 Updates
Total of 84 Stories
120 Parameters Delisted



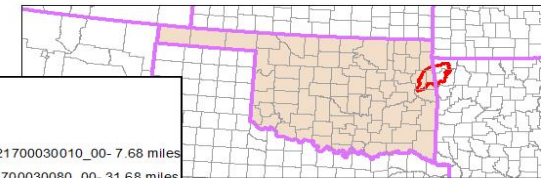
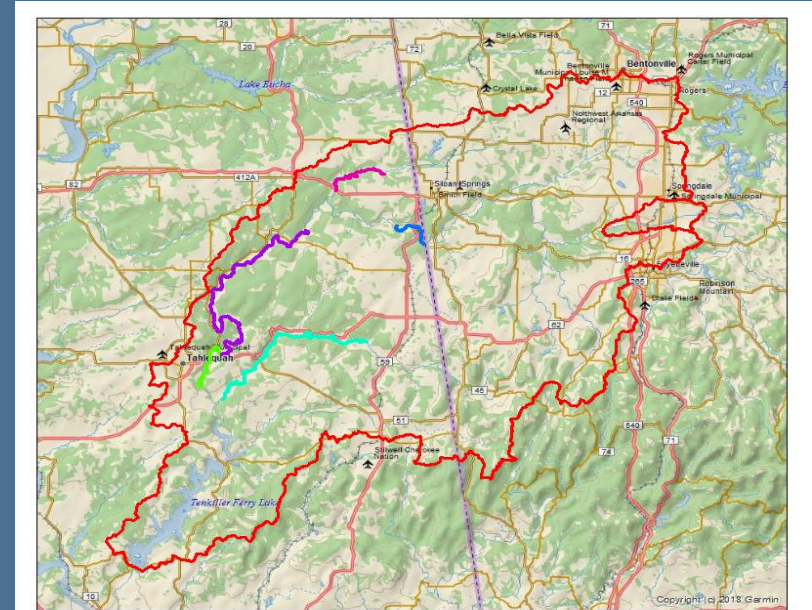
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Illinois River Watershed- 5 Streams Delisted for Bacteria

- OCC, conservation districts, and NRCS started working in the IR Watershed in the 1980s.
- OCC and partners have spent tens of millions on NPS controls in the watershed since 2000
- Conservation efforts focused on:
 - Animal waste management
 - Streambank and riparian area protection
 - Grazing management
 - Septic system upgrades



Legend	
Delisted Segments	
	Illinois River- Tahlequah- OK121700030010_00- 7.68 miles
	Illinois River- Chewey - OK121700030080_00- 31.68 miles
	Illinois River Stateline- OK121700030350_00- 5.18 miles
	Barren Fork Creek- OK121700050010_00- 25.15 miles
	Flint Creek - OK121700060010_00- 7.75 miles
	Illinois River Watershed

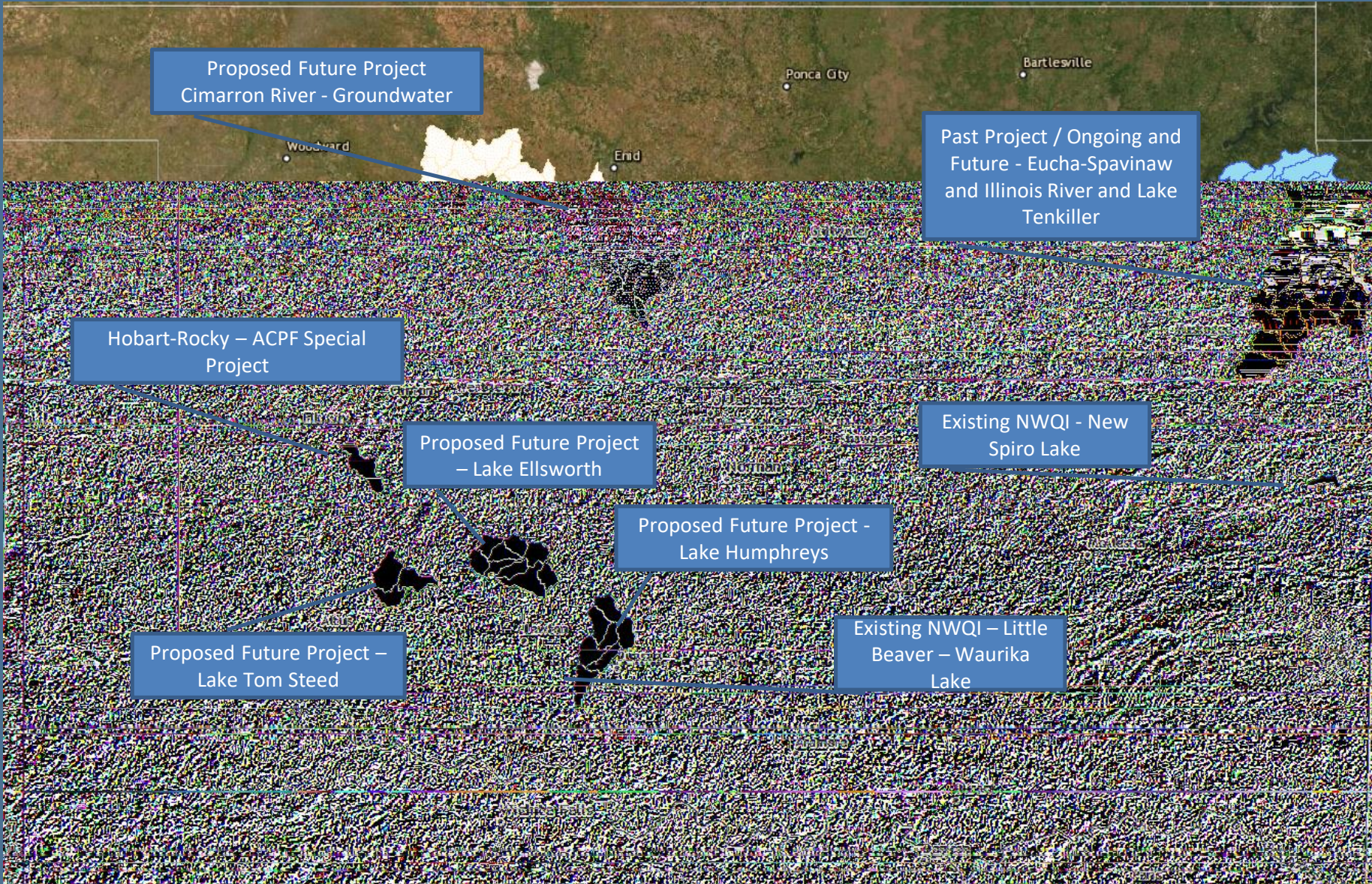
Other NRCS Program Opportunities

- Environmental Quality Incentives Program (EQIP)
 - Increased funding in new FB
 - Tremendous flexibility, focused on addressing resource concerns
 - States can target (LEA process in OK)
- Regional Conservation Partnership Program (RCPP)





Oklahoma Source Water Protection Priorities



Questions ?



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