

Lawtonka Quick Facts

- State's oldest reservoir- 1905
- High recreational and water supply uses
- Impounds Medicine Cr. in Wichita Mountains
- Eutrophic



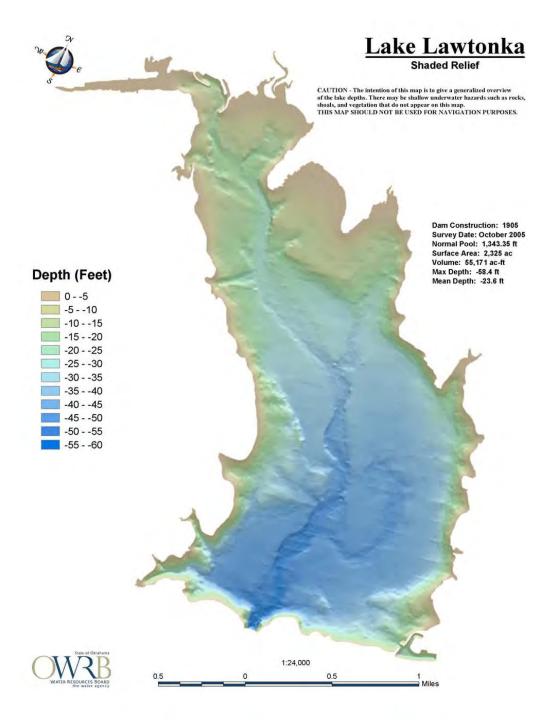


Dam raised in 1909, 1918, 1937 (WPA) and in 1953





Sporadic outflows



• 2400 acres

Mean depth – 23 ft

• Maximum - 58 ft





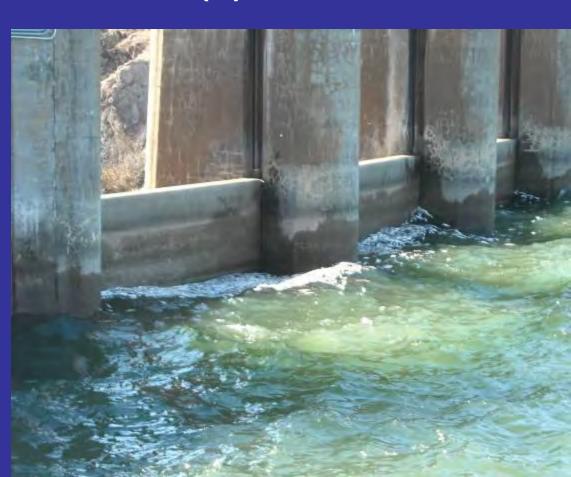






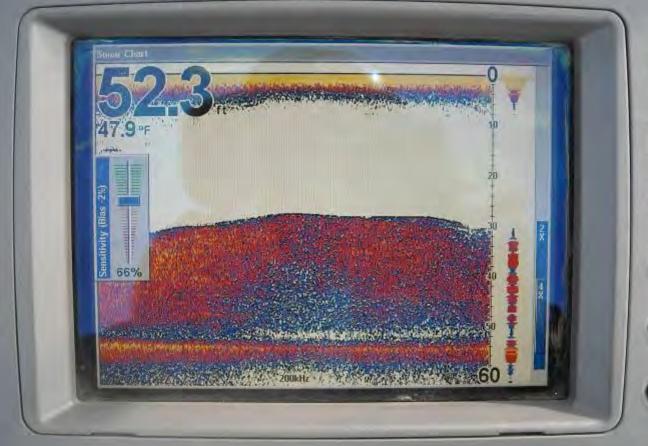
Common Factors:

- Upwellings in late winter- crappie biting at dam
- After a north wind/ cold front (?)
- Mostly 12" drum
- With sediment
- Daytime
- Brief





LOWRANCE"

























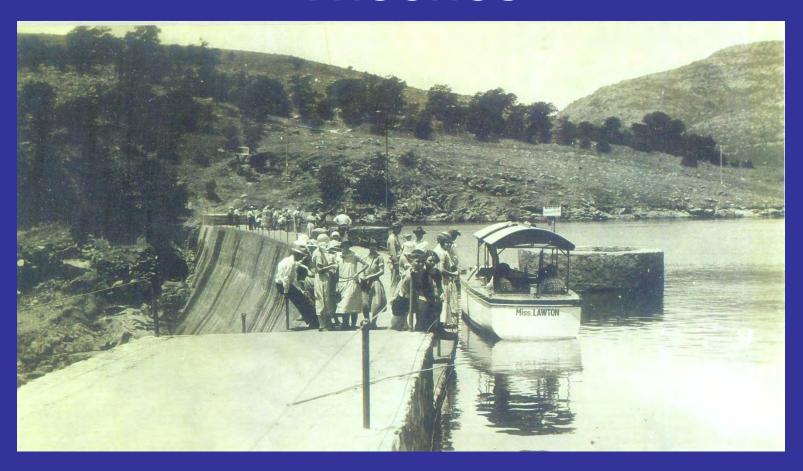
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- No apparent water quality differences
- No other apparent fish health issues
- 12,000 fish in 2011- 2-3 upwellings
- 20,000 fish in 2004 5-6 episodes
- Summer mortalities also unexplained
- Significant concern

Theories



Faults, springs, wells...

