LAKE WINONA HISTORY

Central Arkansas Water (CAW or Water Utility) has two high-quality and well-protected raw water sources: Lake Winona and Lake Maumelle. Lake Winona, located in Saline County in the foothills of the Ouachita Mountains, is a scenic 1.9-square-mile reservoir that supplies approximately 25 percent of daily system-wide demand.

Little Rock Municipal Water Works originally developed Lake Winona, its first municipally-owned raw water supply. In search of a more reliable and higher-quality water source, the City of Little Rock in 1935 applied for a loan and grant from the Federal Public Works Administration — one of the various governmental agencies established during the Great Depression — to make possible the development of a water supply and alleviate the metropolitan area's dependence on the briny Arkansas River.

In 1936, the City sold $6.59 million in 4%, 40-year, non-callable bonds, purchased for $3.50 million from the Arkansas Water Company, the existing plant and distribution system on the south side of the Arkansas River; and started construction of a dam on the Alum Fork of the Saline River. For the comprehensive supply project included the dam and lake (later named Lake Winona), a 39-inch-diameter 35-mile raw water line to new purification plant at Ozark Point, the original site of the community water purification system; and an auxiliary reservoir 2 miles west of the plant. Barnes & McDonnell Engineering Company of Kansas City, Missouri, was the consulting engineer on the project.

The Water Utility began construction in July 1936 and completed the project in May 1938. The first water from the new supply flowed into the system on April 17, 1938.

On July 1, 2001, the Little Rock water utility and its largest "wholesale" customer, the North Little Rock Water Department, merged into CAW's metropolitan water system serving a population of 280,000.

CAW can deliver Lake Winona supply by gravity to the Ozark Point Water Treatment Plant and convey it to the Jack H. Wilson Water Treatment Plant that is a significant part of the Water Utility's service area. Set within the forested slopes of the Ouachita National Forest and supplied by rainfall, Lake Winona provides a high-quality, soft, and pure water.

LAKE WINONA PHYSICAL STATISTICS

LAKE

| Area (acres) | 1,240 |
| Height (ft.) | 115 |
| Average Depth (ft.) | 34.7 |
| Maximum Depth (ft.) | 100 |
| Volume (cubic yards) | 1,500,000 |
| Length (mi.) | 4.5 |
| Width of Top (ft.) | 20 |
| Width of Base (ft.) | 650 |
| Height (ft.) | 115 |
| Safe Yield (MGD) | 25.0 |
| Storage Capacity (acre-ft.) | 38,000 |

WATER-JECTED

| Area (sq. mi.) | 43 |
| Runoff Annually (Normal) (billion gal.) | 14 |
| Rainfall Annually (Normal) (in.) | 48 |

Pipelines

| Length (ft.) | 20 |
| Diameter (in.) | 24 |
| Length of Sections (ft.) | 14 |
| Type of joints | Ductile iron |
| Capacity of Line (MGD) | 10 |
| Maximum Pressure on Line (psi) | 145 |
| Capacity of Line (MGD) | 23 |
| Type of Joints | Rubber Gaskets |
| Weight of Sections (tons) | 4.5 |
| Length of Sections (ft.) | 16 |
| Diameter – Internal (in.) | 39 |

OFFICE

CAW Central Arkansas Water 72203 • www.carkw.com

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CAW can deliver Lake Winona supply by gravity to the Ozark Point Water Treatment Plant and convey it to the Jack H. Wilson Water Treatment Plant that is a significant part of the Water Utility’s service area. Set within the forested slopes of the Ouachita National Forest and supplied by rainfall, Lake Winona provides a high-quality, soft, and pure water.
Lake Winona is a public water supply reservoir that serves the Little Rock-North Little Rock metropolitan area. The lake was constructed to provide a high-quality water supply for customers. CAW owns the lake and its Board of Commissioners (Board) has the responsibility of ensuring the water quality and protection of the lake. The reservoir is a vital component of the public drinking water system and is a new water supply for a population of 280,000.

The lake is available for limited recreational use. The brochure outlines the Rules and Regulations that the Board has adopted to govern authorized recreational activities in the Lake Winona Use Area. All persons in the Use Area for recreational purposes must abide by the Rules and Regulations and all referenced rules, laws, etc. of the State of Arkansas and the federal government. The Board of Commissioners may curtail or entirely prohibit all authorized uses if it believes such action is necessary to protect the water supply. The Board and U.S. Forest Service urge all persons in the Use Area to cooperate with and abide by the Rules and Regulations so that the Water Utility may continue to manage the authorized recreational uses of this beautiful area.

Under State of Arkansas law, conviction for a violation of the Rules and Regulations carries a minimum fine of $50 and a maximum fine of $300 plus court costs.

**GENERAL**

The Board has adopted and established the following Rules and Regulations for the Lake Winona Use Area, which is defined as all property adjoining the intersections of Forest Service Road 798 and the NW 46th Street in Section 24, Township 2 North, Range 17 West, Saline County, Arkansas; Lake Winona North (LWN) adjoining Forest Service Road 142 extending from the intersection of Section 24, Township 2 North, Range 17 West, Saline County, Arkansas to the intersection of Section 23, Township 2 North, Range 18 West, Saline County, Arkansas; and continuing South along the East line of Section 24, Township 2 North, Range 18 West, and continuing East along the South line of Section 23 and 24, Township 2 North, Range 18 West, and continuing East along the South line of Section 19, Township 2 North, Range 17 West, to the intersection of Forest Service Road 778, thence Easterly along said road to the intersection with Forest Service Road 114 the point of beginning. This boundary defines all property beginning at the intersection of the East boundary line of Section 24, Township 2 North, Range 17 West, to the intersection of Forest Service Road 778, thence Easterly along said road to the intersection with Forest Service Road 114 the point of beginning.

The Board adopts, in accordance with State law, the specific rules or the Lake Wardens. The Lake Wardens and the Water Utility may order any person whom it finds to be in violation of the Rules and Regulations and all referenced rules, laws, etc. of the State of Arkansas and the federal government. The Board of Commissioners may curtail or entirely prohibit all authorized uses if it believes such action is necessary to protect the water supply.

Any person that violates a law, rule, or regulation of the Arkansas Game & Fish Commission is prohibited in the Use Area.

**WATERED PROTECTION**

The surrounding Ouachita National Forest and our partnership with the U.S. Forest Service provide protection for the Lake Winona Watershed and the lake's water quality.

**FISHING**

18. Fishing is prohibited in Zone 1 (restricted area). Zone 2 is open to fishing activities.

Commercial fishing and taking for profit purposes, rent, cop, trip, or any other purpose, are prohibited in the lake.

20. An activity that violates a law, rule, or regulation of the Arkansas Game & Fish Commission is prohibited in the Use Area.

**BOATING**

21. In Zone 1 (restricted area), the Water Utility prohibits all boating activities, with the exception of boating activities by Lake Wardens, Water Utility personnel, and Arkansas Game & Fish Commission personnel; and law enforcement officers engaged in the performance of their duties.

**PROHIBITED ACTIVITIES**

1. No person shall perform an act in the Use Area that results in contact with the waters of Lake Winona other than acts that are permitted by the Rules and Regulations.

2. The Water Utility has provided appropriate receptacles for water and prohibits lake visitors from disposing of refuse, carcass, trash, garbage, or human waste on lands or waters in the Use Area, except in the receptacles provided by the Water Utility.

3. The ramping of vessels into the lake is prohibited.

4. Camping is prohibited in the Use Area.

5. Parking, except in the dip-in area near the dam, is prohibited in the Use Area.

6. Cooking and the building or setting of fires in the Use Area are prohibited. Exemption is given for those activities that the Water Utility has established in the dip-in area near the dam. Lake visitors may not construct or build fires in the facilities during burn bans in order to prevent a violation of the U.S. Forest Service or Saline County Judge.

7. The introduction of nutrients for fish habitat enhancement in the lake and the presence of beach-nutrient materials is prohibited in the Use Area or on the lake.

8. Swimming, boating, or wading in the Use Area or on the lake.

9. Skin diving and aqua-lung sports are prohibited. A person who is being operated in an unsafe manner.


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12. The Water Utility has provided appropriate receptacles for water and prohibits lake visitors from disposing of refuse, carcass, trash, garbage, or human waste on lands or waters in the Use Area, except in the receptacles provided by the Water Utility.

13. The ramping of vessels into the lake is prohibited.

14. The landing of aircraft in the Use Area is prohibited.

15. All persons in the Use Area shall be on watch and shall not be allowed to be in the water.

16. The use of unmanned aerial vehicles (UAVs) is prohibited in the Use Area.

17. Owners/operators must equip and operate boats in accordance with State boating laws. The Lake Warden deems unsafe for lake conditions or that tends to pollute the waters of Lake Winona.

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21. In Zone 1 (restricted area), the Water Utility prohibits all boating activities, with the exception of boating activities by Lake Wardens, Water Utility personnel, and Arkansas Game & Fish Commission personnel; and law enforcement officers engaged in the performance of their duties.

22. Owners/operators must equip and operate boats in accordance with State boating laws. The Lake Wardens shall require the prompt removal of a boat that the Lake Wardens deems unsafe for lake conditions or that is being operated in an unsafe manner.

23. No person shall operate a boat on the lake while intoxicated or under the influence of alcohol, as described in Ark. Code Ann. § 5-76-122(a)(3), under the influence of a narcotic drug, hallucinogen, or any controlled substance, and the person incapable of operating the boat safely under the prevailing circumstances and conditions.

24. The lake and Use Area are open to boats with an unobstructed through-hull toilet or cooling facilities.

25. A boat operator shall not launch or operate a boat on the lake without a prior thorough clearing of the boat's interior and exterior. All boats are subject to inspection at all times. The Water Utility, U.S. Forest Service, and Arkansas Game & Fish Commission personnel, persons under contract with or upon request from the Water Utility or U.S. Forest Service, or law enforcement officers engaged in the performance of their duties.

26. When operating a boat on the lake during hours of darkness, the owner/operator must conform to the specific lighting to the specifications contained in the Arkansas Boating Laws, Title 27 as amended, and the regulations promulgated by the Arkansas Game & Fish Commission.

The Board of Commissioners, Central Arkansas Water, adopted the revised Rules and Regulations for Lake Winona on October 10, 2002.

**WATERSHED PROTECTION**

The surrounding Ouachita National Forest and our partnership with the U.S. Forest Service provide protection for the Lake Winona Watershed and the lake's water quality.

**PROHIBITED ACTIVITIES**

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2. The Water Utility has provided appropriate receptacles for water and prohibits lake visitors from disposing of refuse, carcass, trash, garbage, or human waste on lands or waters in the Use Area, except in the receptacles provided by the Water Utility.

3. The ramping of vessels into the lake is prohibited.

4. Camping is prohibited in the Use Area.

5. Parking, except in the dip-in area near the dam, is prohibited in the Use Area.

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