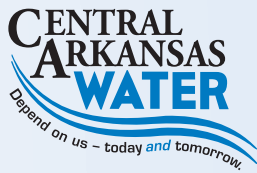


LAKE WINONA



221 East Capitol Avenue • P.O. Box 1789 • Little Rock, AR 72203 • www.carkw.com

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 35 percent of daily systemwide demand.

Little Rock Municipal Water Works originally developed Lake Winona, as 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 eliminate 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 \$3.85 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. Plans for the comprehensive supply project included the dam and lake (later named Lake Winona); a 39-inch-diameter, 35-mile raw water line; a new purification plant at Ozark Point, the original site of the community water purification system; and an auxiliary reservoir 3 miles west of the plant. Burns and 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.

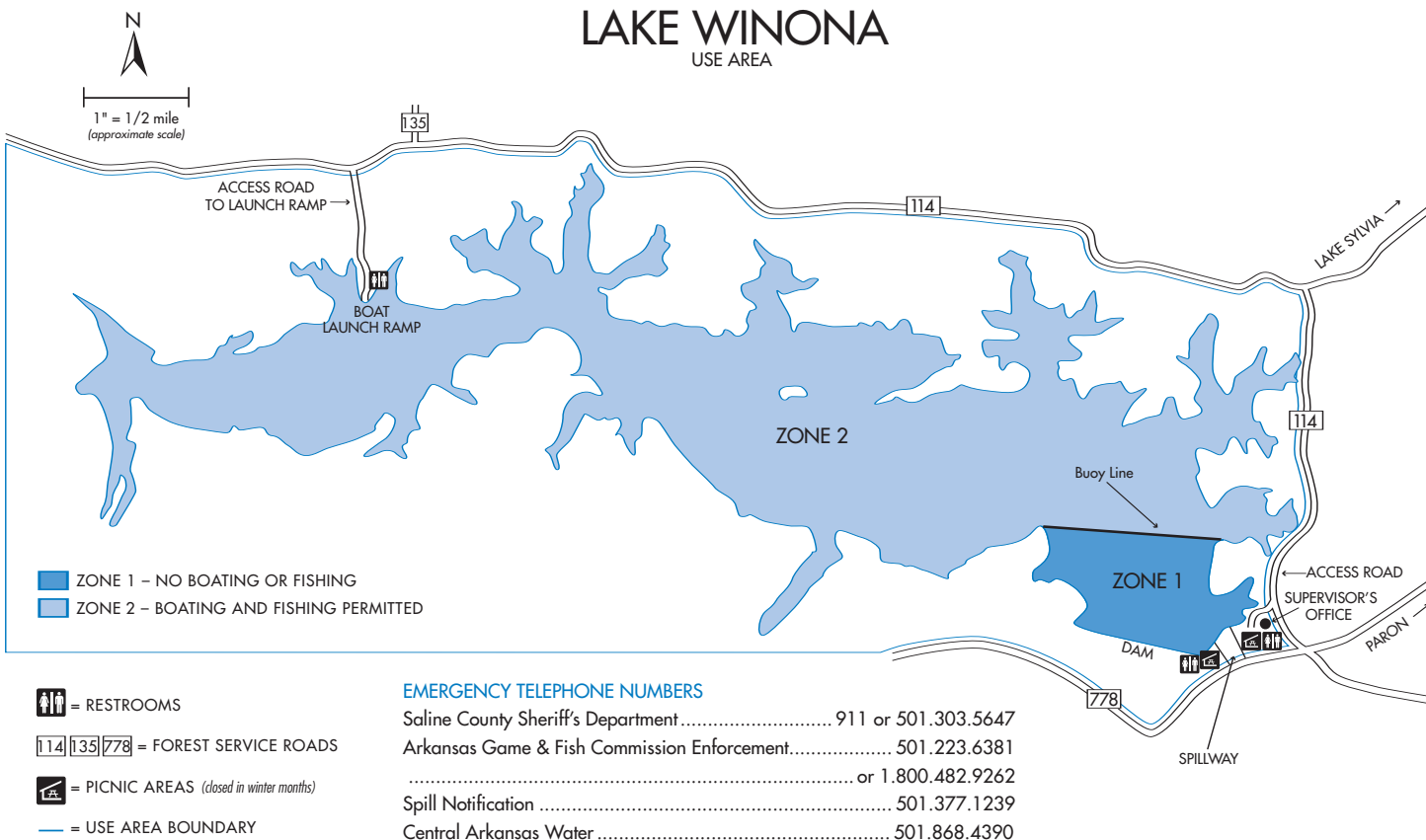
On July 1, 2001, the Little Rock water utility and its largest "wholesale" customer, the North Little Rock

Water Department, merged into CAW, a metropolitan water system serving a population of 398,000.

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 thus to 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 USE AREA



LAKE WINONA PHYSICAL STATISTICS

WATERSHED

Area	43 sq.mi.
Rainfall - Annually (Normal)	48 in.
Run-off - Annually (Normal)	14 billion gal.
.....	43,000 acre ft.

LAKE

Area	1,240 acres
.....	1.9 sq. mi.
Maximum Length	4.5 mi.
Shore Line	25 mi.
Average Depth	34.7 ft.
Maximum Depth	100 ft.
Storage Capacity	
Total	14 billion gal.
Usable	12.5 billion gal.
Total	43,000 acre ft.
Usable	38,000 acre ft.
Safe Yield	25.0 MGD

DAM

Length (including Spillway)	2,800 ft.
Height	115 ft.
Width of Base	650 ft.
Width of Top	20 ft.
Volume	1,500,000 cubic yd.
Spillway Weir Length	340 ft.
Spillway Elevation	740 ft. MSL
Spillway Elevation of Auxiliary Reservoir.....	542.5 ft. MSL
Elevation of Settling Basins at Filtration Plants	510 ft. MSL

PIPELINE

Length	35 mi.
Diameter - Internal	39 in.
Length of Sections	16 ft.
Weight of Sections	4.5 tons
Type of Joints	Rubber Gaskets
Capacity of Line	23 MGD
Maximum Pressure on Line	145 psi

ABBREVIATIONS

cubic yd. = cubic yards	MSL = mean sea level
gal. = gallons	psi = pounds per square inch
MGD = million gallons per day	sq. mi. = square miles

PREFACE

Lake Winona is a public water supply reservoir that serves the Little Rock-North Little Rock metropolitan area. The sole purpose for the construction of the lake was 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 raw water supply for a population of 398,000.

The lake is available for limited recreational use. This 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 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 \$200, 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 beginning at the intersection of Forest Service Road 114 and Forest Service Road 778 in the NW 1/4 of Section 29, Township 2 North, Range 17 West, Saline County, Arkansas, thence Northwesterly along Forest Service Road 114 for a distance of approximately 7 miles to the intersection of the East boundary line of Section 16, Township 2 North, Range 18 West, Saline County, Arkansas, thence South along said East line of Section 16 and continuing South along the East line of Section 21, Township 2 North, Range 18 West, to the Southeast corner of said Section 21, thence East along

the South line of Sections 22, 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.

The Board extends the privileges of boating and fishing on Lake Winona to all persons who comply with the Rules and Regulations. The Board may, without prosecution, suspend or revoke the privileges of a person whom it finds to be in violation of the rules. The Board may revoke or suspend the privileges of a person convicted of violating the rules or of violating in the Use Area applicable State of Arkansas or federal rules regarding public water supply reservoirs, boating, hunting, or fishing.

The Board, in accordance with State law, has designated certain Water Utility personnel as Lake Wardens. The Lake Wardens have authority to enforce the Rules and Regulations. The Lake Wardens and other law enforcement officers have authority to issue tickets and make arrests for violations of the rules, in accordance with Ark. Code Ann. 14-251-108; State boating laws; and the Arkansas Department of Health's Rules and Regulations pertaining to Public Water Systems.

In accordance with U.S. Forest Service regulations, the use of All-terrain Vehicles (ATVs) and Off-highway Vehicles (OHVs) by the public is prohibited on Central Arkansas Water property.

To protect water quality, Lake Winona consists of two zones, as shown in the accompanying map in this brochure. The establishment of the zones and the map are parts of the official Rules and Regulations. Special and clearly visible markers and buoys distinguish the area of the restricted zone from the remainder of the lake (unrestricted area). The unrestricted Lake Winona Use Area normally is open to boating and fishing 24 hours a day throughout the year.

No persons other than Water Utility personnel or law enforcement officers engaged in the performance of their duties may enter or exit the Lake Winona Use Area other than at points of entry/exit that the Water Utility has marked clearly for that purpose.

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

1. No person shall perform an act in the Use Area that tends to pollute 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 waste and prohibits lake patrons from depositing refuse, cans, trash, garbage, or human waste on lands or waters in the Use Area, except in the receptacles that the Water Utility has provided for said purposes.
3. The emptying of a toilet into the lake is prohibited.
4. Camping is prohibited in the Use Area.
5. Picnicking, except in the day-use park near the dam, is prohibited in the Use Area.
6. Cooking and the building or setting of fires in the Use Area are prohibited, except in fireplaces that the Water Utility has established in the day-use park area near the dam. Lake patrons may not smoke or build fires in the facilities during burn bans in effect by order of the U.S. Forest Service or Saline County Judge.
7. The introduction of materials for fish habitat enhancement in the lake and the presence of brush-cutting devices in a boat in the Use Area or on the lake are prohibited.
8. Swimming, bathing, wading, and the use of aquaplanes, surfboards, motorized surfboards, wind-powered surfboards, personal water craft, water skis, rafts, kayaks, or other similar devices or vehicles that the Rules and Regulations do not expressly permit are prohibited.
9. Skin diving and aqua-lung sports are prohibited. A Lake Warden, upon request, may grant a special permit for the recovery of lost personal property.
10. The destruction, injury, defacement, or removal of signs, public property, vegetation, rocks, or minerals is prohibited.
11. The distribution, posting, or displaying of advertisements and private notices in the Use Area is prohibited.
12. The placement of buildings or structures in the Use Area is prohibited.
13. A meeting of a political nature, as defined by the Board or Water Utility, is prohibited in the Use Area.
14. The landing of aircraft in the Use Area is prohibited.
15. All pets in the Use Area shall be on leash and shall not be allowed in the water.
16. No person willfully shall permit livestock in the Use Area.
17. Owners/operators of all motor vehicles, including motorcycles and ATVs, are prohibited from entering or exiting the Use Area at locations other than designated entry/exit points and shall operate the vehicles therein only in places designated for such vehicles. Exemptions include Water Utility or U.S. Forest Service personnel, persons under contract with or permit from the Water Utility or U.S. Forest Service, or law enforcement officers engaged in the performance of their duties.

FISHING

18. Fishing is prohibited in Zone 1 (restricted area). Zone 2 is open to fishing activities.
19. Commercial fishing and fishing by trotline, seine, net, trap, gig, jug lines, yo-yo, or setline 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, U.S. Forest Service, and Arkansas Game & Fish Commission personnel; and law enforcement officers engaged in the performance of their duties. Zone 2 is open to boating activities.
22. Owners/operators must equip and operate boats in accordance with State boating laws. The Lake Warden shall require the prompt removal of a boat that the Lake Warden 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. 5-76-102(a)(2); under the influence of a narcotic drug, barbiturate, or marijuana; or under a physical or mental disability that renders the person incapable of operating the boat safely under the prevailing circumstances and conditions.
24. The lake and Use Area are not open to boats with an unblocked through-the-hull toilet or cooking facilities.
25. A boat operator shall not launch or operate a boat on the lake without a prior thorough cleaning of the boat's interior and exterior. All boats are subject to inspection at all times. The Water Utility shall require the removal or prohibit the launching of a boat that fails to pass inspection.
26. No person under 16 years of age may operate a boat on the lake without the accompaniment of an adult.
27. The lake is not open to boats less than 12 feet in length.
28. When operating a boat on the lake during hours of darkness, the owner/operator must conform the boat's 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 herein for Lake Winona on October 10, 2002.



GENERAL LOCATION MAP

