

OPTIMA LAKE

LOCATION OF DAM—Optima Dam is in the Arkansas River Basin on the North Canadian (Beaver) River at mile 632.2, Lat. 36°39'49", Long. 101°08'08" in Sec. 5, T2N, R18ECM in Texas County about 4.5 miles northeast of Hardesty.

CONSTRUCTION STATUS—Constructed by Corps of Engineers—Construction began in March 1966 and impoundment was initiated on October 2, 1978. Cost of the project was \$46,111,000.

PURPOSE/AUTHORIZATION—Flood control, water supply, recreation and fish and wildlife. Authorized by the Flood Control Act approved June 22, 1936, as amended by the Flood Control Act approved May 17, 1950. Project Document HD 308, 74th Congress, First Session.

STRUCTURE DATA—The dam is a rolled earthfill structure 15,200 feet long and rises 120 feet above the streambed. The uncontrolled emergency spillway is 1,500 feet wide and has a capacity of 359,000 cfs at maximum pool elevation.

SHORELINE LENGTH—31 miles

DRAINAGE AREA—5,029 square miles

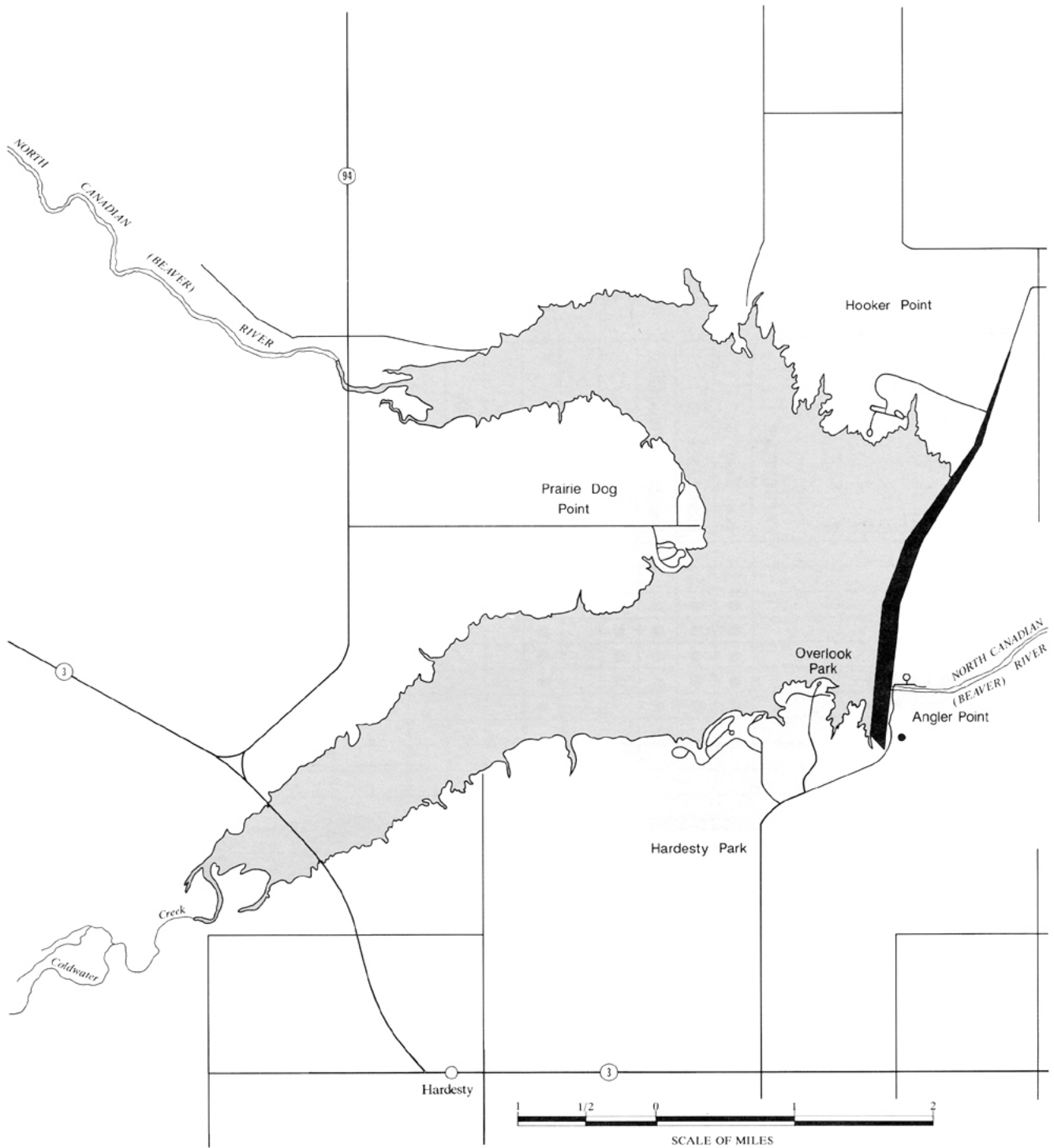
DEPTH—Mean 24.1 ft., Max. 62.5 ft. Based on normal pool elevation.

LAKE DATA—

	Elevation (NGVD)	Area (Acres)	Capacity (Acre-Feet)
Flood pool	2,779.0	7,640,	229,500
Normal pool	2,763.5	5,340	129,000

RECREATIONAL AREAS	FACILITIES																			
	Boat Ramp	Picnic Area	Designated Campsites	Drinking Water	Group Shelter	Restrooms	Showers	Swimming Beach	Change House	Trailer Dump Station	Electric Outlets	Concession Services	Playground	Nature Trail	Marina	Golf Course	Cabins	Enclosed Fishing Dock	Boat Rentals	Swimming Pool
Angler Point		●	●	●		●														
Overlook Park		●		●	●	●														
Hardesty Park	●		●	●	●	●		●	●	●	●									
Prairie Dog Point	●		●	●		●				●	●									
Hooker Point	●	●		●		●														





LEGEND	
	U.S. Highway
	Interstate Highway
	State Highway
	Paved Road
	Secondary or Public Use Area Road
	Overlook
	Project Office
	Recreation Area
	State or National Park Boundary
	City with population less than 1000
	City with population greater than 1000

