

Lake Alan Henry Facts

John T. Montford Dam is a rolled earthfill dam constructed between 1991 to 1993

Constructed on the South Fork of the Double Mountain Fork of the Brazos River

Operated by Brazos River Authority until 2005 when it was transferred to the City of Lubbock

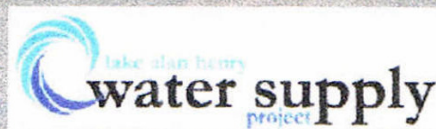
Maximum Height 140 feet above streambed and 4,150 feet in length

Top of Dam	2,263.0 feet
Design Flood	2,259.4 feet
Crest of Emergency Spillway	2,240.0 feet
Crest of Service Spillway	2,220.0 feet
Lowest gated outlet (invert)	2,140.0 feet

Lake Alan Henry at conservation pool has 2,884 surface acres and a permitted capacity of 115,937 acre-feet

July 2005 Texas Water Development Board reduced the capacity to 94,808 acre-feet

Maximum lake level was 2,229.64 feet and occurred on July 5, 2010



Lake Alan Henry Water Supply Project

Raw Water Pipeline Capacity – 22 million gallons or 67.5 acre-feet	(0.4 inches in Lake Elevation to fill)
Terminal Storage Reservoir – 225 million gallons or 690 acre-feet	(3.0 inches in Lake Elevation to fill)
Initial Plant Capacity 15 million gallons per day	
3,600 million gallons annually or 11,047 acre feet *	(3.8 feet in Lake Elevation annually)

Lake Alan Henry evaporation based on data from January through May 2011 is calculated to be 6 feet per year

Lake Alan Henry had a lake elevation increase of 9 feet in July 2010 due to a 6 inch rain event

**Based on 15MGD for 4 months, 10MGD for 4 months, and 5MGD for 4 months*

May 19, 2011