

TEXAS TOWNSHIP EAGLE LAKE WATER LEVEL POLICY

Eagle Lake has no surface inlet or outlet which can lead to a low lake level during dry conditions. To mitigate that condition, starting in late December 1965, water has been pumped into Eagle Lake from a well finished in a deep aquifer to maintain the lake level. Groundwater pumped into Eagle Lake from this well pump has been estimated to be from 1,000 to 1,200 gallons per minute (USGS, 1970). The well pump is located on the east end of Eagle Lake.

The “Eagle Lake Texas Association” Board authorized a survey of the water level of Eagle Lake. This survey was conducted by Prein&Newhof, Engineers & Surveyors on May 29, 2008. The purpose of the survey was to establish an “Ordinary High Water Mark” (OHWM) for Eagle Lake which will be used to govern the operation of the pump in the Boards attempt to maintain an appropriate and healthy lake level.

The following elevation measurements were provided on May 29, 2008:

- “Ordinary High Water Mark” (OHWM) 899.84 Elevation

The official OHWM location and site is established and monitored by the ELTA. In 2014, the ELTA anticipates that an improved OHWM ‘hardened site’ location will be established to replace the current “non-hardened site’ OHWM location.

EAGLE LAKE PUMP OPERATION POLICY

The following policy shall determine yearly lake pump operation at Eagle Lake:

- The pump will only run as necessary to assist in keeping the lake level near the OHWM determined in 2008.
- The pump operation (on/off status) and maintenance status will be controlled by 2-3 designated personnel assigned by ELTA.

ELTA Board Approval: 2013