

Term Project Proposal

GIS in Water Resources 2011

Poolkeshi Patel

Title : - Analyzing the drought situation in Travis County, Texas

Background : - The state of Texas is facing severe drought this year and the period from October 2010 to August 2011 has been the worst in term of rainfall that Texas has faced since 1895. Also Texas has been the hottest this summer, 2011 in the country's history.

Scope: -

- To compare the water usage in the Travis County to the water source in the drought situation including the contribution by rainfall.
- Overall comparison of water demand and supply during the past few years
- Possible solutions to tackle the drought situation in the Travis County, Texas

Data Sources: -

- 1) TCEQ - <http://www.tceq.state.tx.us/>
- 2) LCRA - <http://www.lcra.org/water/conditions/index.html>
- 3) Texas Water Development Board -
<http://www.twdb.state.tx.us/DATA/drought/index.asp>
- 4) City of Austin Water Utility -
<http://www.ci.austin.tx.us/water/wwcommission/default.htm>
- 5) USGS - <http://www.usgs.gov/>