

Heartbeat of the Hickory

Water Use Reports

In late December, the Hickory UWCD No. 1 mailed water use reports to all permit holders in the District. These completed reports are due back in our office Monday, March 15, 2010. In the past there has been some misunderstanding about which landowners must complete a water use report and which wells must be reported. Wells that are used for irrigation, commercial, industrial, or public water supply should be permitted and reported.

This information is necessary for the District to properly manage groundwater. Failure to submit this report prior to March 15, 2010 will result in the cancellation of permit(s). Owners of wells used for stock and/or domestic use do NOT need to complete water use reports for those wells, but those wells should be registered. If you have any questions or problems, or have not received your paperwork, or would like a complete copy of the new rules, please, don't hesitate to contact us.



Poster Contest 2010

All three winners of Hickory UWCD's annual poster contest were from Rochelle.

The theme this year was Rainwater Harvesting.

First place went to Georgia Thomas, Second to Zack Cook, and Third to Zoe Ortiz. (Pictured above from left to right: Zoe, Zack, Mrs. Pitcox, and Georgia)

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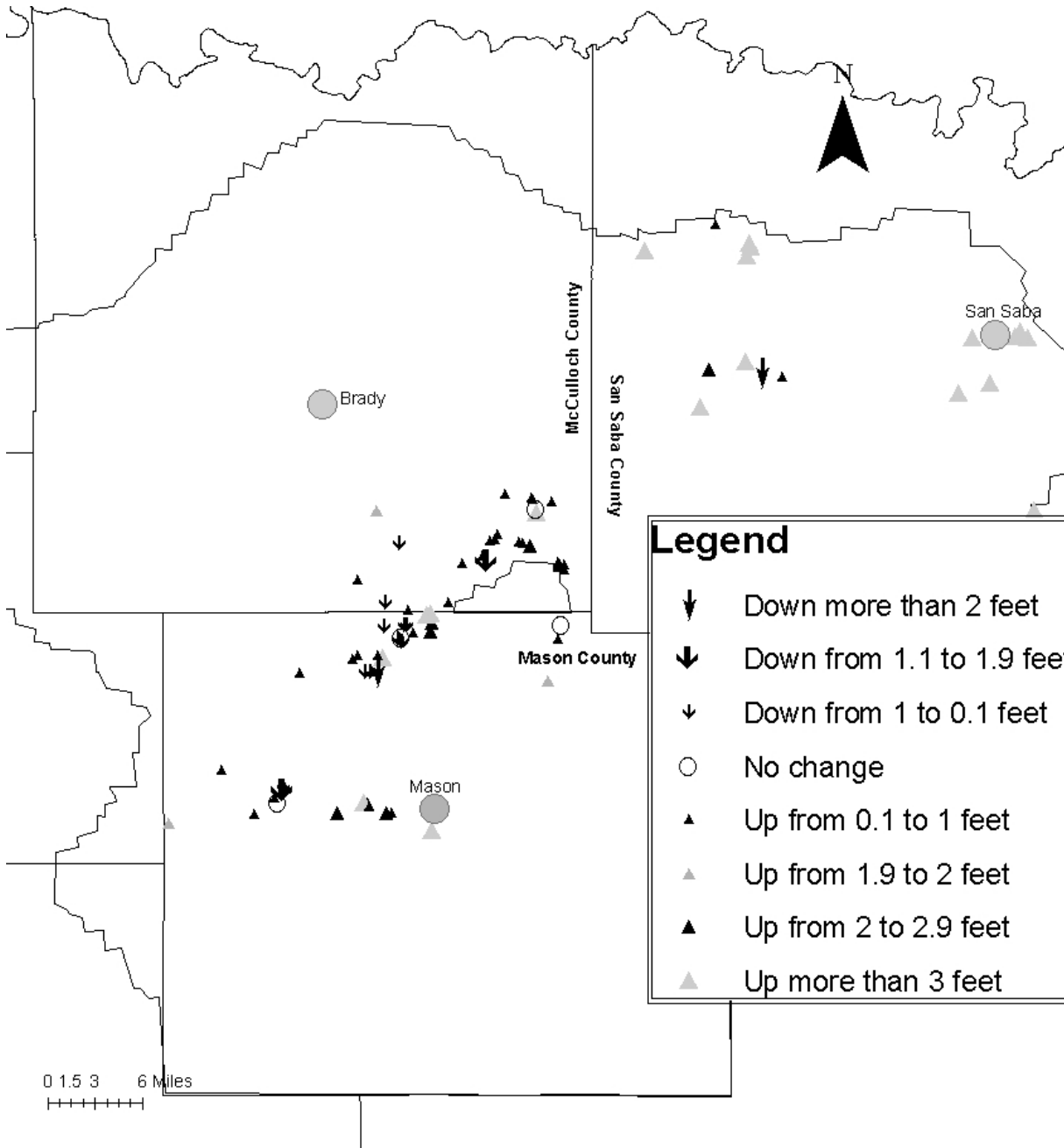
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Whiskey is for drinkin', water is for
 fightin' – Mark Twain



Water Levels Across the District

Ronnie Moore, our Lab and Field Tech, is still in the process of measuring water levels, but he's already visited about 75% of the wells he annually measures. The average increase across the District is 3.23 feet. The 2009 rainfall along with decreased usage both contribute to this increase. For detailed levels, visit our website. The new levels should be posted in the next few weeks.

The Hickory Aquifer Part 2 of a Series – Recharge

Recharge to the Hickory aquifer is from the infiltration of precipitation on the outcrop and from the downward leakage from the overlying Trinity aquifer. The amount of recharge from precipitation is limited due to the discontinuous and limited extent of the outcrop of the Hickory in the area. The amount of recharge from the Trinity is unknown. Groundwater flow is from the recharge areas to down-dip areas. Generally, groundwater flows radially down-dip away from the central part of the Llano Uplift. Discharge from the Hickory is to wells and through cross-formational leakage to overlying units.

LBG-Guyton Associates, 2003, Brackish groundwater manual for Texas regional water planning groups: Report prepared for the Texas Water Development Board, Austin, Texas, 188 p. Available at http://www.twdb.state.tx.us/RWPG/rpgm_rpts/2001483395.pdf