

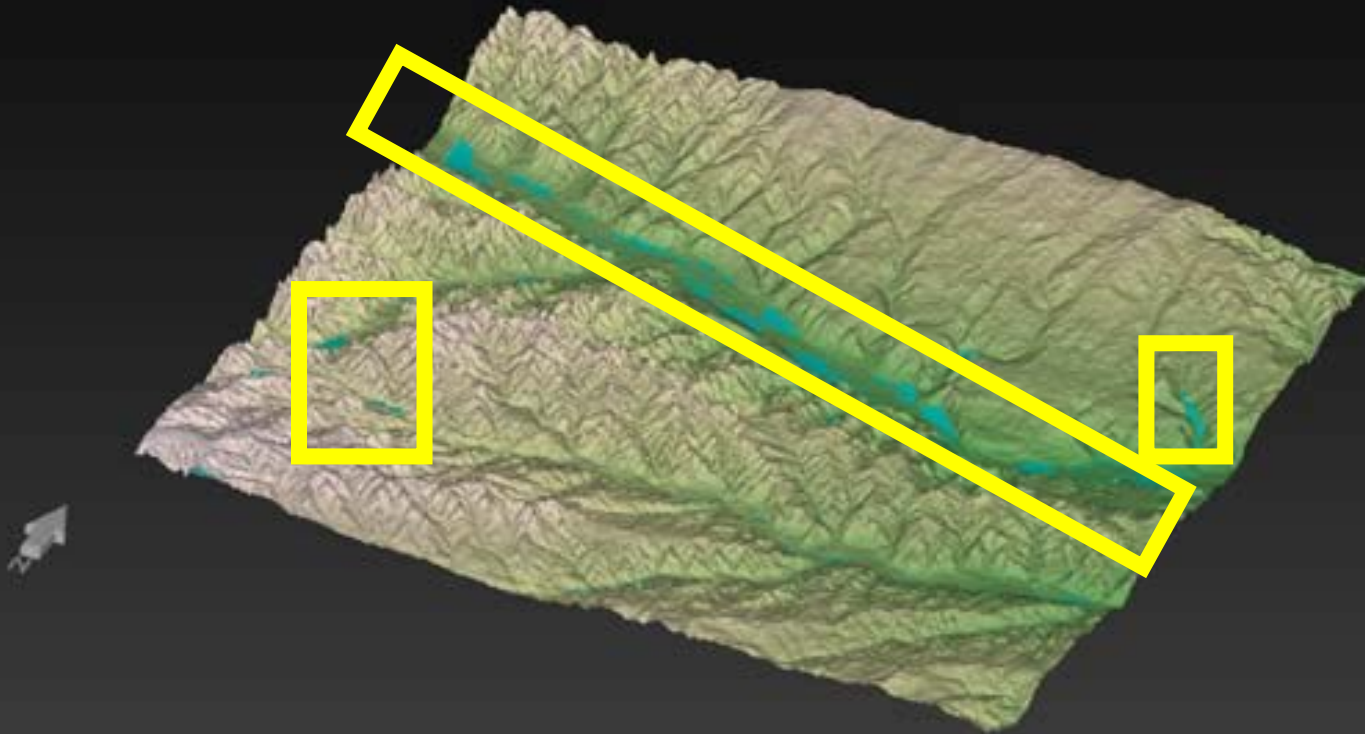
GMA 1 Meeting ~ November 6, 2014

Hemphill County UWCD

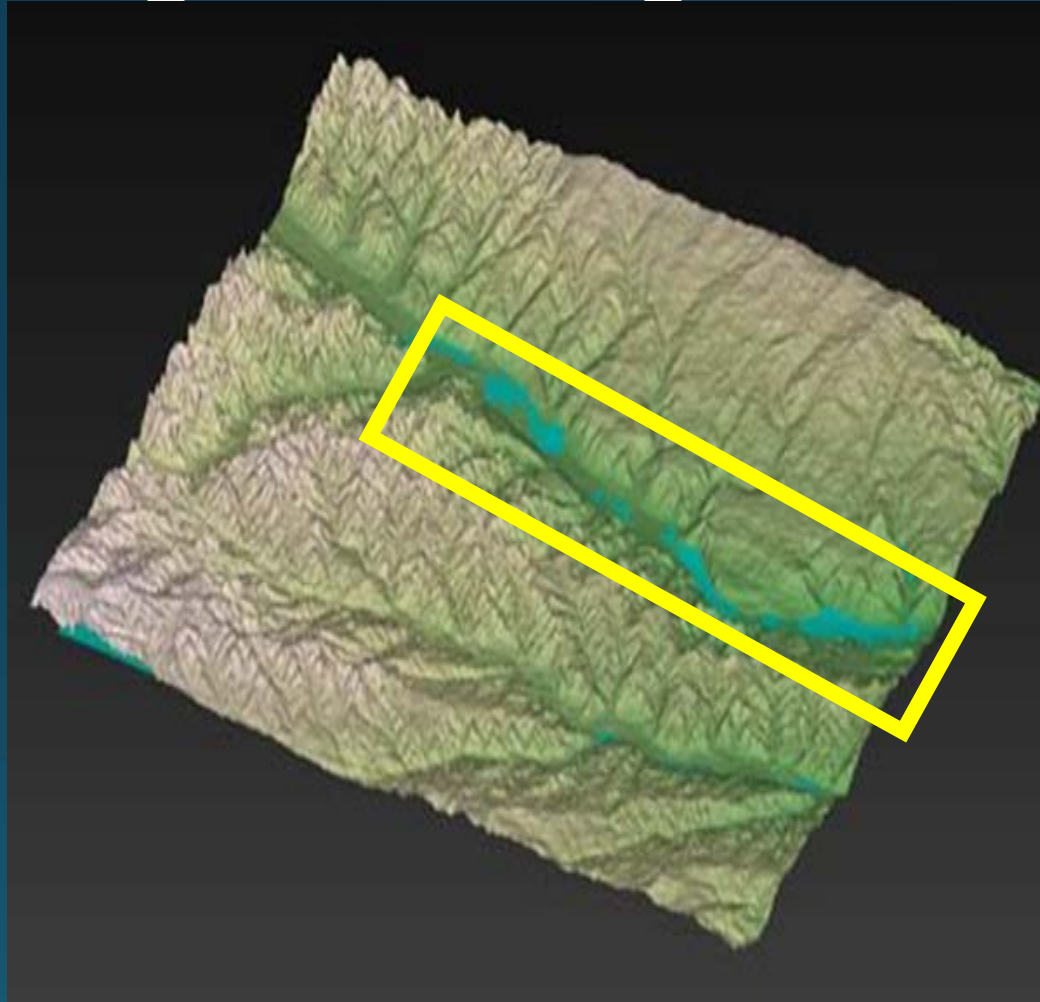
3D Visualization

100% of Water in Storage 2009 WL

2008-2009 Water Level Elevation

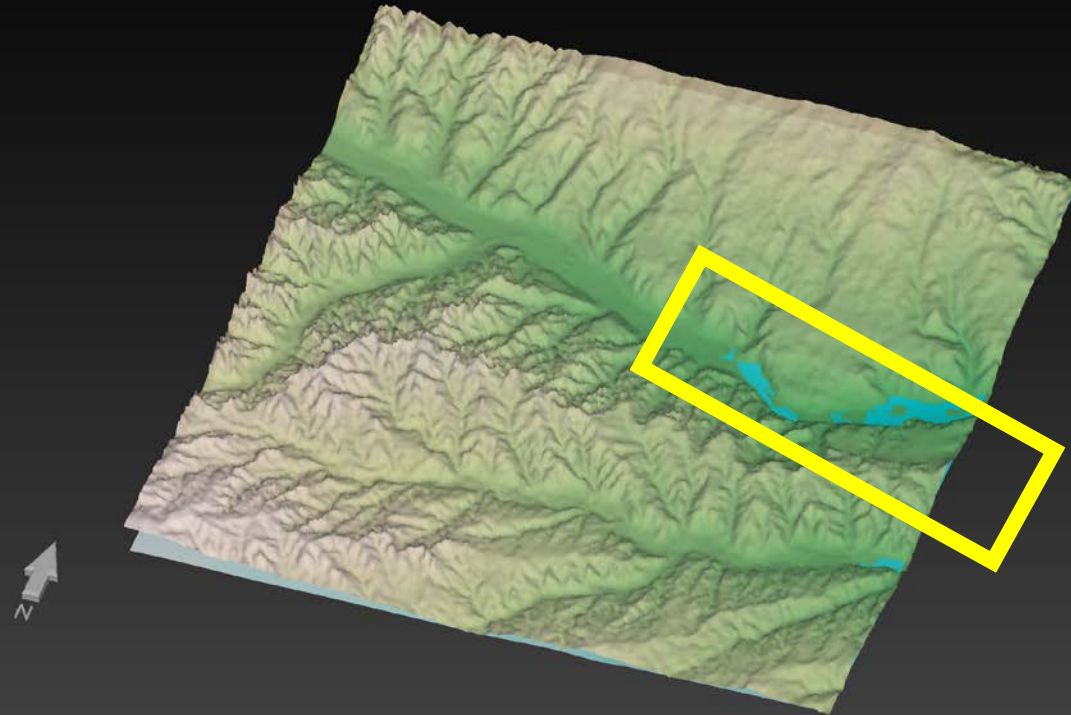


Impact to natural discharge with 80% remaining in storage



Impact to Natural Discharge with 70% remaining in storage

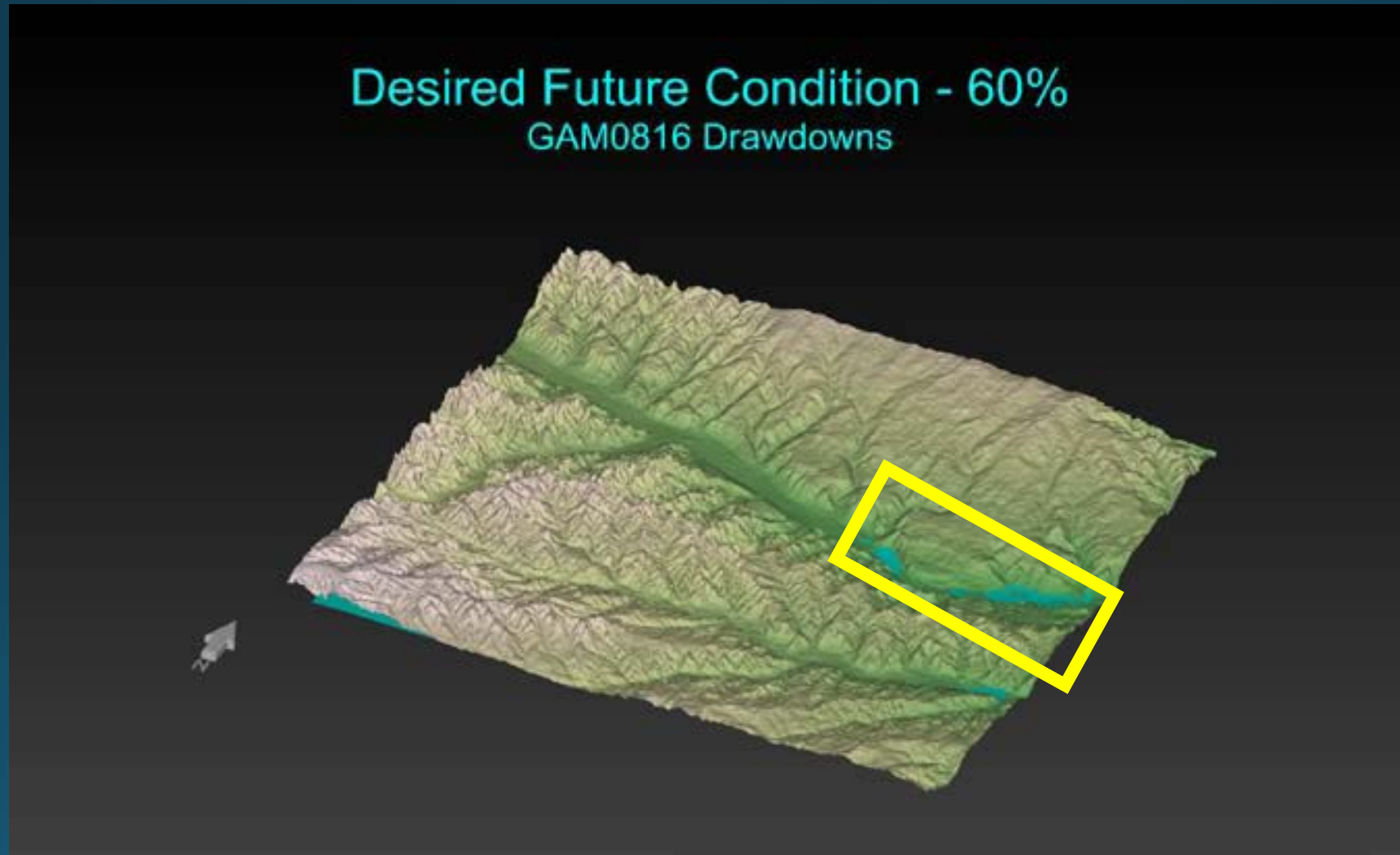
Desired Future Condition - 70%
Midpoint between GAM0901 and GAM0816 Drawdowns



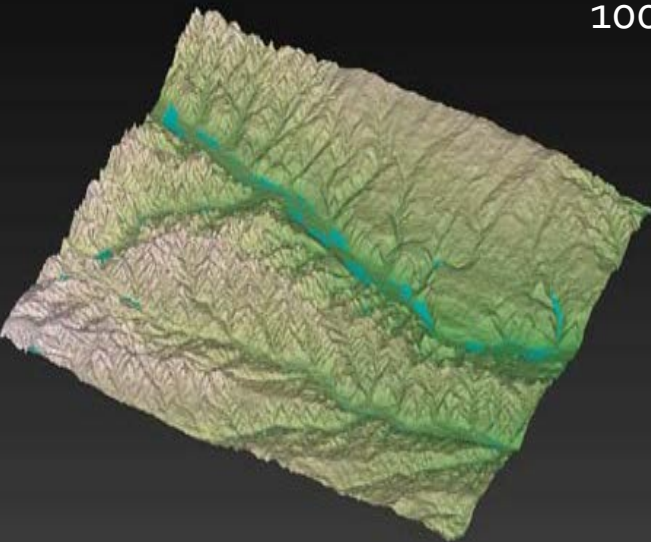
Intersection of the land surface and an estimated 30% depletion from the 2008-2009 groundwater levels in Hemphill County. Water level decline resulting from 30% depletion was estimated using one half of the difference between drawdown from the TWDB GAM Run 0901 (20% depletion, or DFC of 80%) and GAM Run 0816 (40% depletion, or DFC of 60%).



Impact to natural discharge with 60% remaining in storage.

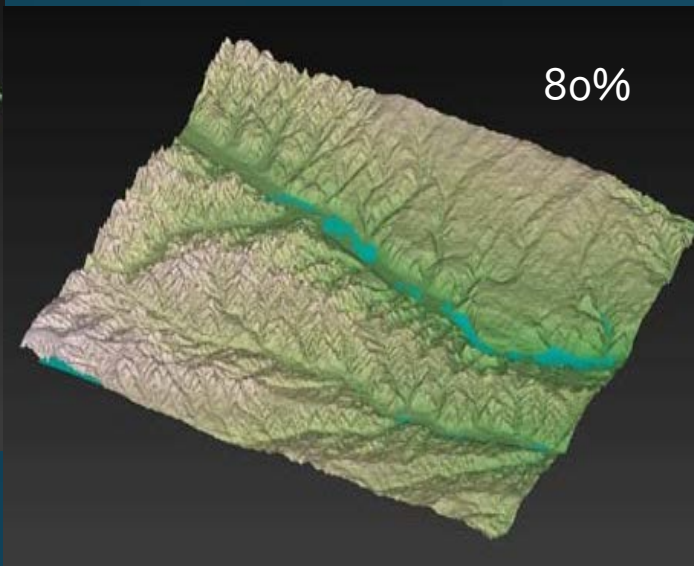


100%

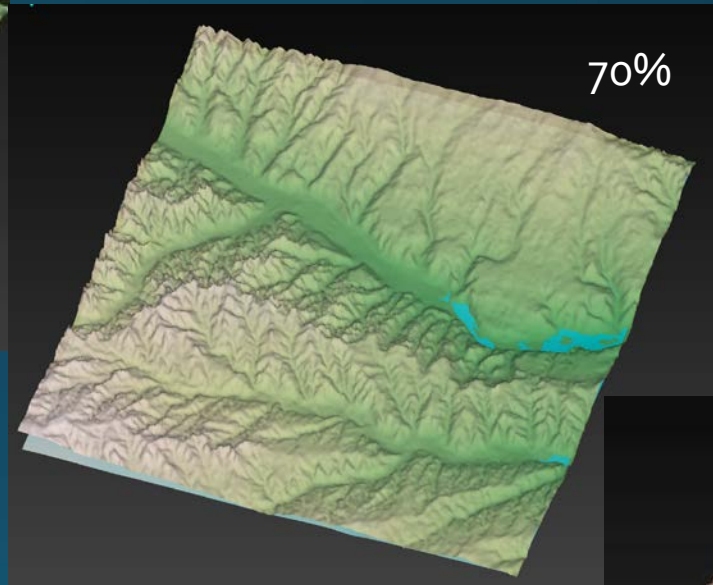


Impact to Natural Discharge in Hemphill County after 50 years

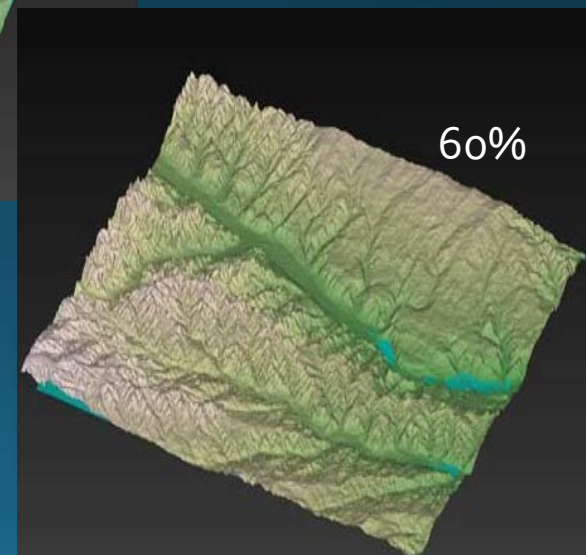
80%



70%



60%



With a DFC of 50 %
remaining in 50 years
ALL natural discharge
was lost.

ASSUMPTIONS

- Maximum Production of the Managed Available Groundwater is being produced
in every county
for every decade
- 70% image is based on a midpoint between GAM Run 0901 and GAM run 0816 drawdowns

HEMPHILL COUNTY UWCD

Ray Brady, Geologist
806-570-7243

P.O. Box 1142
906 S 2nd Street
Canadian, TX 79014
P 806-323-8350
F 806-323-9574
www.hemphilluwcd.org



HEMPHILL COUNTY
Underground Water Conservation District
Conserving a Texas Oasis