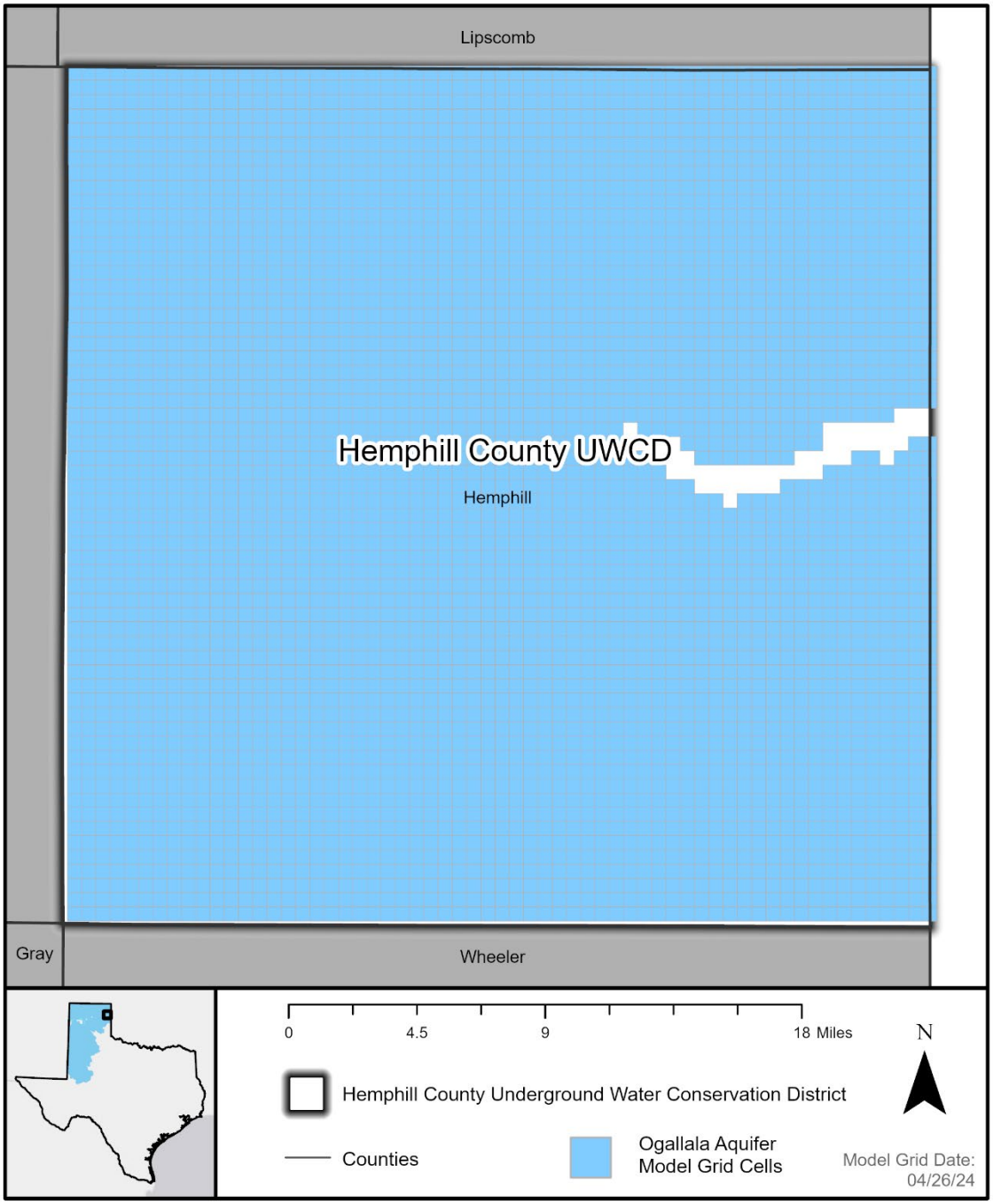
HEMPHILL COUNTY UNDERGROUND WATER CONSERVATION DISTRICT
OGALLALA AQUIFER WATER BUDGETS



Area of the groundwater availability model for the High Plains Aquifer System from which the budget information was extracted (the Ogallala Aquifer extent within the district boundary).

STATE OF TEXAS
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GEOLOGY
No. 525
LICENSED
PROFESSIONAL GEOSCIENTIST

Shirley C. Wade
10/20/2026

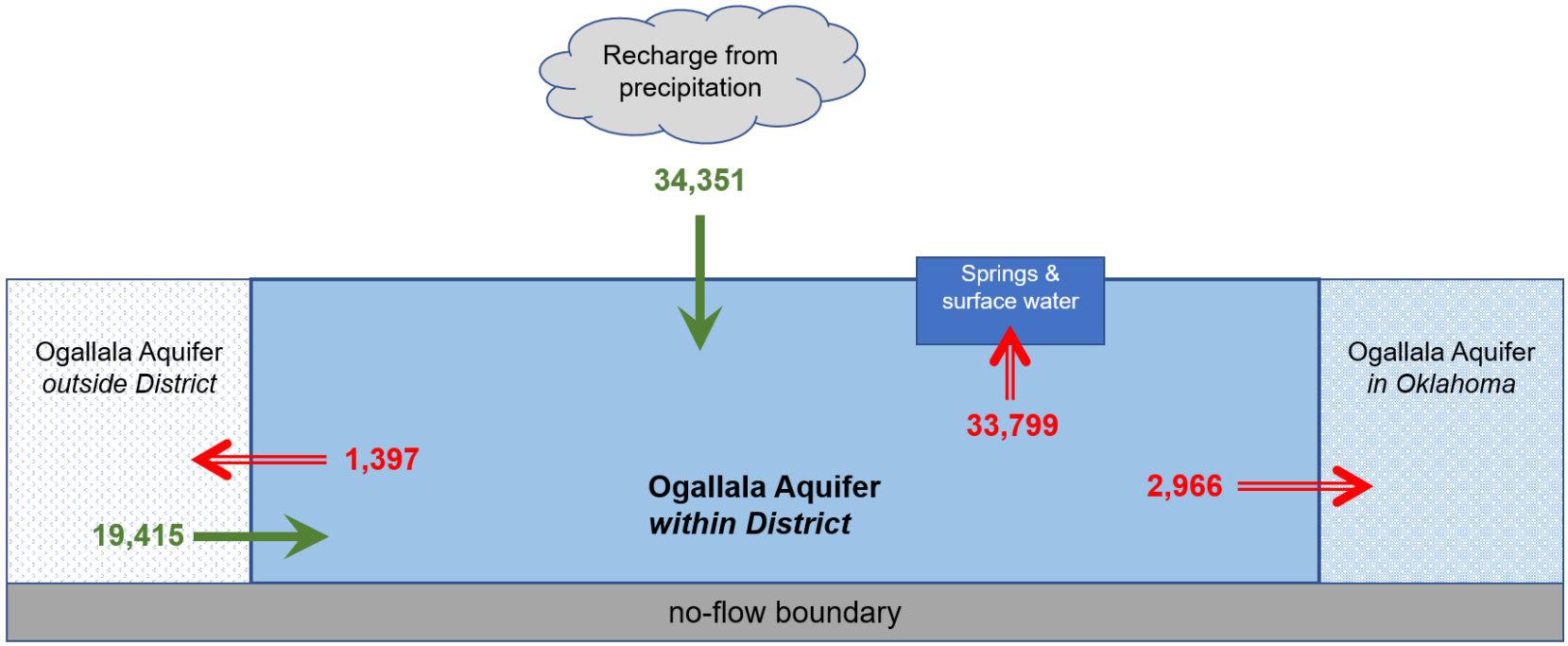
HEMPHILL COUNTY UNDERGROUND WATER CONSERVATION DISTRICT
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Management Plan requirement	Aquifer or confining unit	Results (acre-feet per year)
Estimated annual amount of recharge from precipitation to the district	Ogallala Aquifer	34,351
Estimated annual volume of water that discharges from the aquifer to springs and any surface water body including lakes, streams, and rivers.	Ogallala Aquifer	33,799
Estimated annual volume of flow into the district within each aquifer in the district	Ogallala Aquifer	19,415
Estimated annual volume of flow out of the district within each aquifer in the district	Ogallala Aquifer	1,397
Estimated net annual volume of flow between each aquifer in the district	Flow from the Ogallala Aquifer in Texas to the Ogallala Aquifer in Oklahoma	2,966



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HEMPHILL COUNTY UNDERGROUND WATER CONSERVATION DISTRICT OGALLALA AQUIFER WATER BUDGETS



Caveat: This diagram only includes the water budget items provided in the table. A complete water budget would include additional inflows and outflows. For a full groundwater budget, please submit a request in writing to the Groundwater Modeling Department.

Generalized diagram of the summarized budget information representing directions of flow for the Ogallala Aquifer within Hemphill County Underground Water Conservation District. Flow values expressed in acre-feet per year (AFY).



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