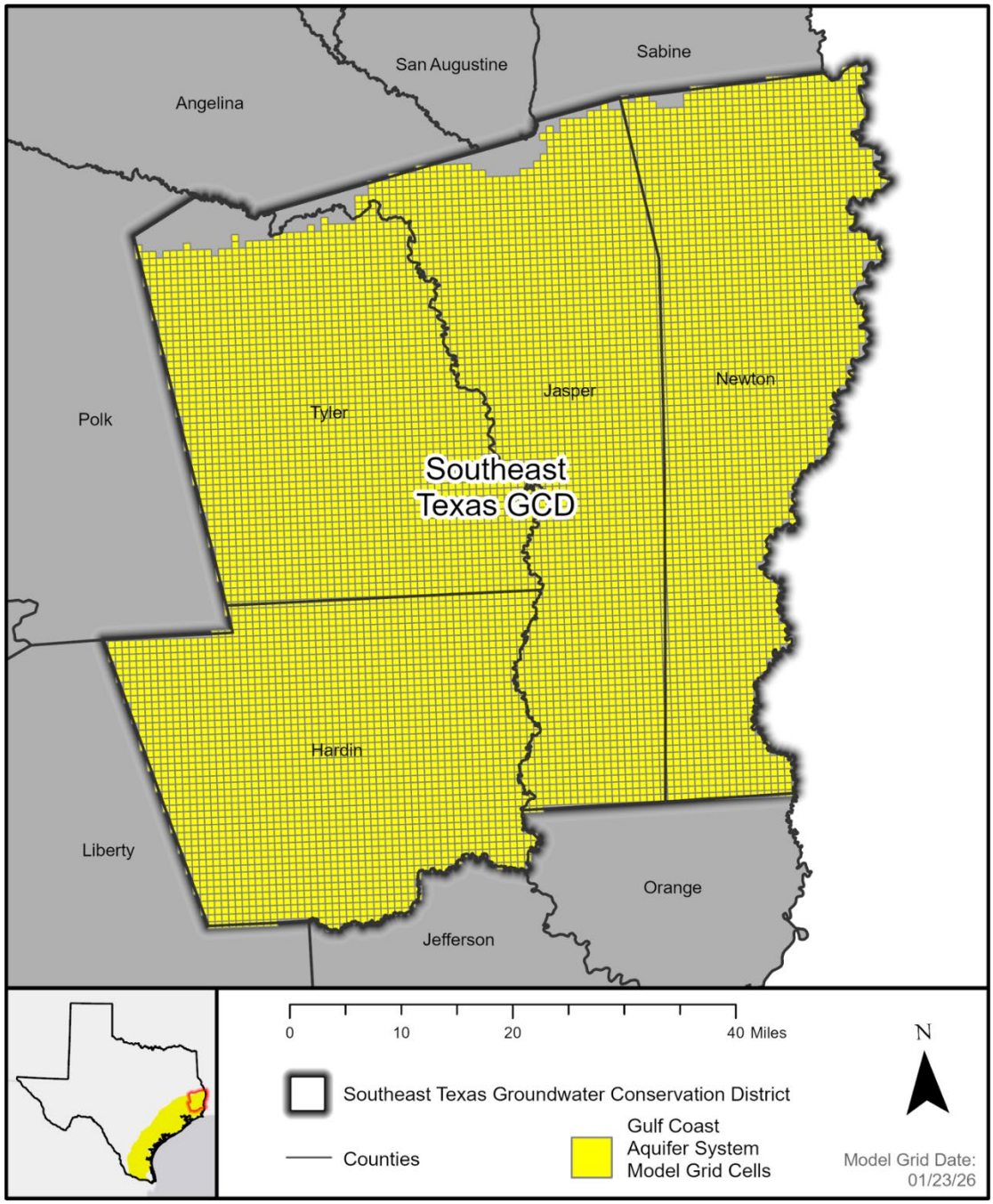
SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT GULF COAST AQUIFER SYSTEM WATER BUDGETS



Area of the groundwater availability model for the northern part of the Gulf Coast Aquifer System from which the budget information was extracted (the Gulf Coast Aquifer System extent within the district boundary).

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SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT GULF COAST AQUIFER SYSTEM WATER BUDGETS

Summarized information for the Gulf Coast Aquifer System that is needed for the Southeast Texas Groundwater Conservation District's Groundwater Management Plan. All values are reported in acre-feet per year and rounded to the nearest 1 acre-foot.

Management Plan requirement	Gulf Coast Aquifer System[1]	Catahoula Unit[2]
Estimated annual amount of recharge from precipitation to the district	146,744	30,797
Estimated annual volume of water that discharges from the aquifer to springs and any surface water body including lakes, streams, and rivers.	111,235	18,493
Estimated annual volume of flow into the district within each aquifer in the district	13,390	2,277
Estimated annual volume of flow out of the district within each aquifer in the district	17,136	5,116
Flow to equivalent units[3] outside aquifer boundary within district	39	531
Flow to the Gulf Coast Aquifer System from the Catahoula unit	5,769	not applicable
Flow from the Catahoula unit to the Gulf Coast Aquifer System	not applicable	5,769

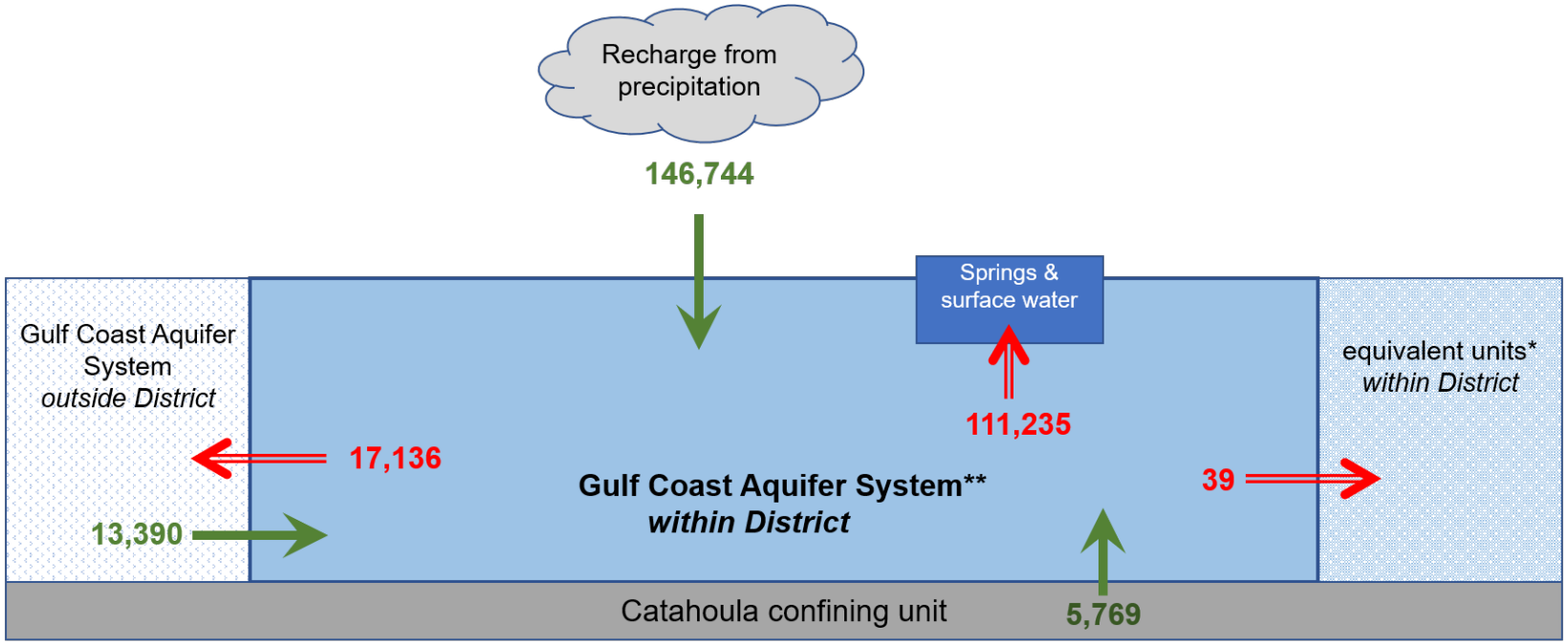
[1] Alluvium, Chicot, Evangeline, Burkeville, and Jasper units. Excludes Catahoula unit.
[2] A small portion of the Catahoula unit in and near the outcrop is considered part of the Gulf Coast Aquifer System. However, the majority of the downdip Catahoula unit behaves as a confining unit and is not considered part of the Gulf Coast Aquifer System. Since there is no official definition where this transition occurs, the Catahoula unit (layer 6 of the model) is presented independently from the Gulf Coast Aquifer System for this analysis. If the District requires additional detail on the Catahoula for planning purposes, they are encouraged to contact TWDB for additional information.
[3] refers to portions of the Alluvium, Chicot, Evangeline, Burkeville, Jasper and/or Catahoula units that fall outside the official TWDB aquifer boundary for the Gulf Coast Aquifer System



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SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT GULF COAST AQUIFER SYSTEM WATER BUDGETS

Southeast Texas Groundwater Conservation District



**Refers to portions of the Alluvium, Chicot, Evangeline, Burkeville, Jasper and/or Catahoula units that fall outside the official TWDB aquifer boundary for the Gulf Coast Aquifer System.*

*** Excluding Catahoula unit*

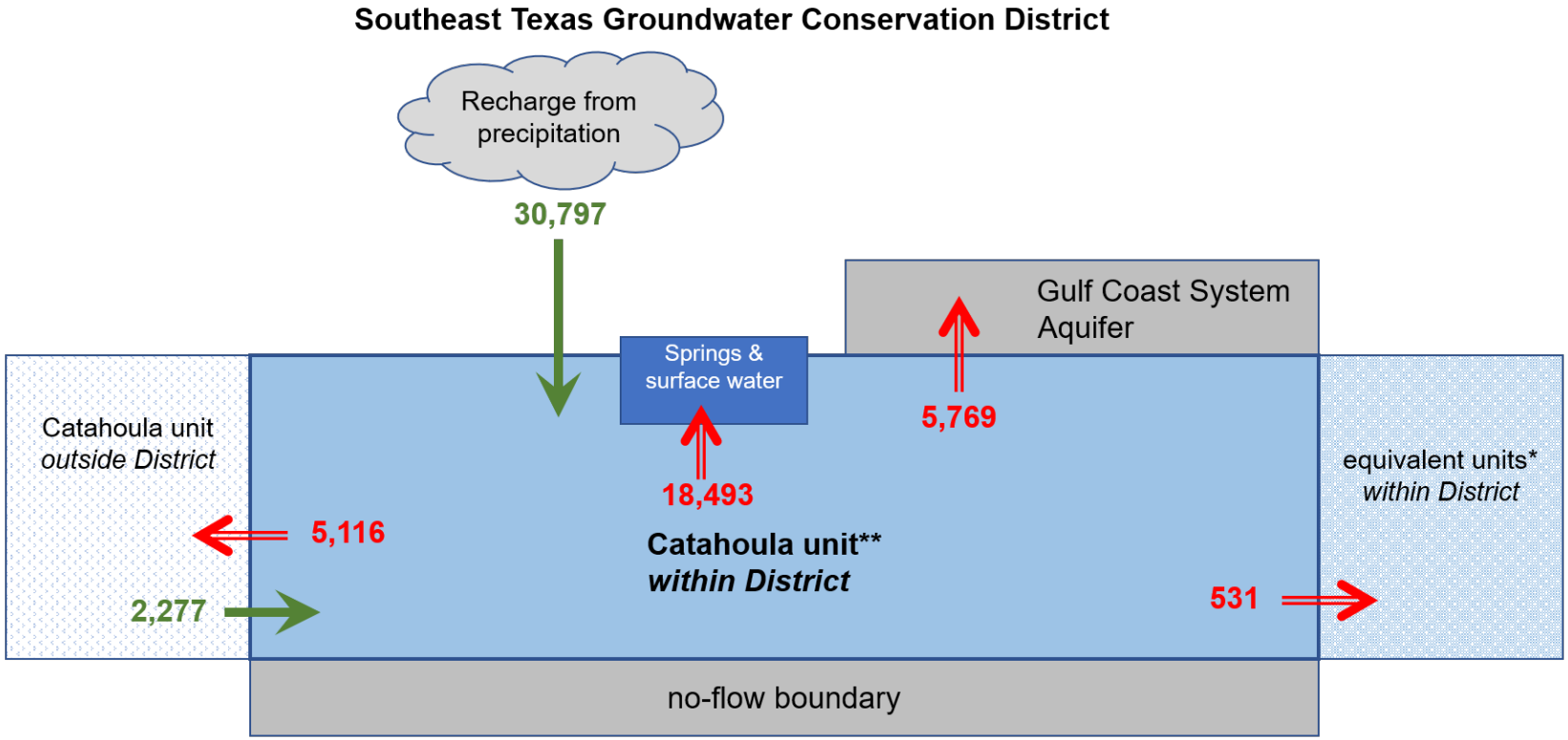
Caveat: This diagram only includes the water budget items provided in the table. A complete water budget would include additional inflows and outflows. For a full groundwater budget, please submit a request in writing to the Groundwater Modeling Department.

Generalized diagram of the summarized budget information representing directions of flow for the Gulf Coast Aquifer System within Southeast Texas Groundwater Conservation District. Flow values expressed in acre-feet per year (AFY).

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SOUTHEAST TEXAS GROUNDWATER CONSERVATION DISTRICT GULF COAST AQUIFER SYSTEM WATER BUDGETS



**Refers to portions of the Alluvium, Chicot, Evangeline, Burkeville, Jasper and/or Catahoula units that fall outside the official TWDB aquifer boundary for the Gulf Coast Aquifer System.*

***In and near the outcrop the Catahoula is considered part of the Gulf Coast Aquifer System. Further downdip the Catahoula is not considered part of the Gulf Coast Aquifer System.*

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 Catahoula unit within Southeast Texas Groundwater Conservation District. Flow values expressed in acre-feet per year (AFY).

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