

RESOLUTION TO ADOPT DESIRED FUTURE CONDITIONS
FOR GROUNDWATER MANAGEMENT AREA 16 AQUIFERS

STATE OF TEXAS

RESOLUTION # 2022-01

GROUNDWATER MANAGEMENT AREA 16

WHEREAS, Texas Water Code 36.108 requires the Groundwater Conservation Districts located whole or in part in a Groundwater Management Area (“GMA”) designated by the Texas Water Development Board to adopt desired future conditions for the relevant aquifers located within the management area;

WHEREAS, the Groundwater Conservation Districts located wholly or partially within Groundwater Management Area 16 (“GMA 16”), as designated by the Texas Water Development Board, as of the date of this resolution are as follows: Bee Groundwater Conservation District, Kenedy County Groundwater Conservation District, Brush Country Groundwater Conservation District, Duval County Groundwater Conservation District, Starr County Groundwater Conservation District, Corpus Christi Aquifer Storage and Recovery Conservation District, Live Oak Underground Water Conservation District, Red Sands Groundwater Conservation District, McMullen Groundwater Conservation District, and San Patricio County Groundwater Conservation District (collectively referred to as “Member Districts”);

WHEREAS, the Board Presidents or their Designated Representatives of districts in GMA 16 have met at various meetings and conducted joint planning in accordance with Chapter 36.108, Texas Water Code since 2015and;

WHEREAS, Section 36.108 of the Texas Water Code requires the Member Districts in GMA 16 to consider groundwater availability models and other data or information for the management area and vote on a proposal for adoption of DFC’s for each relevant aquifer within GMA 16 by January 5, 2022, which GMA Member Districts accomplished on September 21, 2021, and;

WHEREAS, GMA 16, having given proper and timely notice, held an open meeting of the GMA 16 Member Districts on September 21, 2021 and;

WHEREAS, GMA 16 has solicited and considered public comment at specially called Public Meeting, including the meeting on September 21, 2021 and;

WHEREAS, the GMA 16 Member Districts received and considered technical advice regarding local aquifers, hydrology, geology, recharge characteristics, local groundwater

demands and usage, population projections, ground and surface water inter-relationships, and other considerations that affect groundwater conditions and;

WHEREAS, in developing the proposed DFC's for the relevant aquifers within GMA 16, the Member Districts considered the nine statutory factors set forth in Section 36.108 (d) of the Texas Water Code and ;

WHEREAS, pursuant to Section 36.108(d-2) of the Texas Water Code the Member Districts also considered in the development of the proposed DFC's the balance between the highest practicable level of groundwater production and the conservation, preservation, protection, recharging, and prevention of waste of groundwater and control of subsidence in GMA 16 and;

WHEREAS, following public discussion and due consideration of the current and future needs and conditions of the aquifers in question, the current and projected groundwater demands, and the potential effects on springs, surface water, habitat, and water dependent species through the year 2080, GMA 16 Member Districts have analyzed drawdown estimations from numerous pumping scenarios using the Lower Gulf Coast Groundwater Availability Model and have voted on a motion made and seconded to adopt a Desired Future Condition (DFC) stated as follows:

Groundwater Management Area 16 adopts Desired Future Conditions for each county within the groundwater management area (county-specific DFC's) and adopts a Desired Future Condition for the counties in the groundwater management area (gma-specific DFC's). The Desired Future Condition for the counties in the groundwater management area shall not exceed an average drawdown of 78 feet for the Gulf Coast Aquifer System at December 2080. Desired Future Conditions for each county within the groundwater management area (county-specific DFC's) shall not exceed the values specified in Scenario 2 at December 2080.

Table A-1: Desired Future Conditions for GMA 16 expressed as an Average Drawdown between January 2010 and December 2079.

Bee GCD: 93 feet of drawdown of the Gulf Coast Aquifer System;

Live Oak UWCD: 45 feet of drawdown of the Gulf Coast Aquifer System;

McMullen GCD: 12 feet of drawdown of the Gulf Coast Aquifer System;

Red Sands GCD: 60 feet of drawdown of the Gulf Coast Aquifer System;

Kenedy County GCD: 27 feet of drawdown of the Gulf Coast Aquifer System;

Brush Country GCD: 89 feet of drawdown of the Gulf Coast Aquifer System;
Duval County GCD: 137 feet of drawdown of the Gulf Coast Aquifer System;
San Patricio County GCD: 69 feet of drawdown of the Gulf Coast Aquifer System;
Starr County GCD: 94 feet of drawdown of the Gulf Coast Aquifer System;
Cameron: 119 feet of drawdown of the Gulf Coast Aquifer System;
Hidalgo: 138 feet of drawdown of the Gulf Coast Aquifer System;
Kleberg: 21 feet of drawdown of the Gulf Coast Aquifer System;
Nueces: 26 feet of drawdown of the Gulf Coast Aquifer System;
Webb: 161 feet of drawdown of the Gulf Coast Aquifer System;
Willacy: 44 feet of drawdown of the Gulf Coast Aquifer System.

WHEREAS, the GMA 16 Member Districts evaluated and determined that the Yegua-Jackson Aquifer in Jim Hogg, Duval, Live Oak, and Starr Counties and the Carrizo-Wilcox Aquifer in Bee, Live Oak, and McMullen Counties are not relevant for planning purposes within GMA 16 and no DFC is required.

NOW THEREFORE BE IT RESOLVED, that the Groundwater Management Area 16 Member Districts do hereby document, record and confirm a Desired Future Condition stated above was adopted by all member districts present.

AND IT IS SO ORDERD.

PASSED AND ADOPTED on this 28th day of June 2022.

ATTEST:

Bee Groundwater Conservation District

Live Oak Underground Water Conservation District

McMullen Groundwater Conservation District

Red Sands Groundwater Conservation District

Kenedy County Groundwater Conservation District

Corpus Christi Aquifer Storage and Recovery Conservation District

Brush Country Groundwater Conservation District

Duval County Groundwater Conservation District

San Patricio County Groundwater Conservation District

Starr County Groundwater Conservation District