

**PROPOSED DESIRED FUTURE CONDITIONS FOR AQUIFERS
WITHIN THE BOUNDARIES OF GROUNDWATER MANAGEMENT AREA 7**

Groundwater Management Area 7 Groundwater Conservation Districts voted at their joint planning meeting in Fredericksburg, Texas on April 21, 2016 to propose the following Desired Future Conditions for aquifers within the boundaries of GMA 7:

- 1) Dockum Aquifer:
 - a) Total net drawdown of the Dockum Aquifer not to exceed 14 feet in Reagan County (Santa Rita GCD) in 2070 as compared with 2012 aquifer levels;
 - b) Total net drawdown of the Dockum Aquifer not to exceed 52 feet in Pecos County (Middle Pecos GCD) in 2070 as compared with 2012 aquifer levels; (Reference: Technical Memo 16-01, 1-8-2016)
 - c) The Dockum Aquifer is not relevant for joint planning purposes in all other areas of GMA 7.

- 2) Capitan Reef Aquifer
 - a) Total net drawdown of the Capitan Reef Aquifer not to exceed 51 feet in Pecos County(Middle Pecos GCD) in 2070 as compared with 2006 aquifer levels (Reference: Scenario 4, GMA 7 Technical Memo 15-06, 4-8-2015)
 - b) The Capitan Reef Aquifer is not relevant for joint planning purposes in all other areas of GMA 7.

- 3) Edwards-Trinity (Plateau)/ Pecos Valley Alluvium Aquifers:
 - a) Total net drawdown not to exceed an average of eight (8) feet in 2070, as compared with 2010 aquifer levels, with specific county drawdowns as follows:

County	GCD	Drawdown (feet)
Coke	Coke County UWCD	0
Crockett	Crockett County GCD	10
Ector	-	8
Edwards	Real-Edwards C & RD	2
Gillespie	Hill Country UWCD	5
Glasscock	Glasscock GCD	40
Irion	Irion County WCD	10
Kimble	Kimble County GCD	1
Menard	Menard County UWD	1
Midland	-	12
Pecos	Middle Pecos GCD	12
Reagan	Santa Rita UWCD	42
Real	Real-Edwards C & RD	4
Schleicher	Plateau UC & SD	8

County	GCD	Drawdown (feet)
Sterling	Sterling County UWCD	7
Sutton	Sutton County UWCD	6
Taylor	-	0
Terrell	Terrell County UWCD	2
Upton	-	16
Uvalde	UvaldeCounty UWCD	2

(Reference: Scenario 2, GMA 7 Technical Memo 15-06, 4-8-2015)

- b) Total net drawdown in Kinney County in 2070, as compared with 2010 aquifer levels, shall be consistent with maintenance of an annual average flow of 23.9 cfs and an annual median flow of 24.4 cfs at Las Moras Springs (Reference: Groundwater Flow Model of the Kinney County Area by W.R. Hutchison, Ph.D, P.E., P.G., Jerry Shi, Ph.D and Marious Jigmond, TWDB, dated August 26, 2011.
- c) Total net drawdown in Val Verde County in 2070, as compared with 2010 aquifer levels, shall be consistent with maintenance of an average annual flow of 73-75 mgd at San Felipe Springs. (Reference: Val Verde County/City of Del Rio Hydrological Study Final Report, Wm. R. Hutchison, Ph.D., P.E., P.G. and James C. Burton, P.E.)
- d) The Edwards-Trinity (Plateau) aquifer is not relevant for joint planning purposes within the boundaries of the Hickory UWCD No. 1, the Lipan-Kickapoo WCD, Lone Wolf GCD and Wes-Tex GCD.).

4) Ellenberger-San Saba Aquifer:

- a) Total net drawdowns of aquifer levels shall not exceed drawdowns in 2070, as compared with 2011 aquifer levels, respectively as follows:

County	GCD	Drawdown (feet)
Gillespie	Hill Country UWCD	8
Mason	Hickory UWCD	14
McCulloch	Hickory UWCD	29
Menard	Menard UWD & Hickory UWCD	46
Kimble	Kimble County GCD & Hickory UWCD	18
San Saba	Hickory UWCD	5

(Reference: Scenario 3, GMA 7 Technical Memo 16-02, 4-14-2016)

- b) The Ellenburger-San Saba Aquifer is not relevant for joint planning purposes in all other areas in GMA 7.

5) Hickory Aquifer :

- a) Total net drawdown of aquifer levels shall not exceed drawdowns in 2070, as compared with 2011 aquifer levels, respectively as follows:

County	GCD	Drawdown (feet)
Concho	Hickory UWCD	53
Gillespie	Hill Country UWCD	9
Kimble	Kimble County GCD Hickory UWCD	18
Llano	-	13
Mason	Hickory UWCD	17
McCulloch	Hickory UWCD	29
Menard	Menard UWD and Hickory UWCD	46
San Saba	Hickory UWCD	6

(Reference: Scenario 3 GMA 7 Technical Memo 16-02, 4-14-2016)

- b) The Hickory Aquifer is not relevant for joint planning purposes in all areas of GMA 7 outside the boundaries of the Hickory UWCD No.1, Hill Country UWCD, Kimble County GCD, Menard UWD and Llano County.

6) Ogallala Aquifer :

- a) Total net drawdown of the Ogallala Aquifer in Glasscock County (Glasscock GCD) in 2070, as compared with 2012 aquifer levels, not to exceed 6 feet (Reference: GMA 7 Technical Memo 16-01, 1-8-2016);
- b) The Ogallala Aquifer is not relevant for joint planning purposes in all other areas of GMA 7.

7) Rustler Aquifer

- a) Total net drawdown in Pecos County (Middle Pecos GCD) in 2070, as compared with 2009 aquifer levels, not to exceed 94 feet. (Reference: Table 7, Scenario 4, GMA 7 Technical Memorandum 15-05, Draft 1, 4-7-2015);
- a) The Rustler Aquifer is not relevant for joint planning purposes in all other areas of GMA 7.

Non-Relevant Aquifers in GMA 7:

The following aquifers are proposed to be declared not relevant for joint planning purposes within the boundaries of GMA 7:

- a) Blaine (Reference: Technical Memo 15-01, 3-30-2015)
- b) Igneous (Reference: Technical Memo 15-02, 3-30-2015)
- c) Lipan: (Reference: Technical Memo 15-03, 3-30-2015)
- d) Marble Falls (Reference: Technical Memo 16-02, 4-14-2016)
- e) Seymour (Reference: Technical Memo 15-04, 3-30-2015)