Texas Water Development Board

P.O. Box 13231, 1700 N. Congress Ave.
Austin, TX 78711-3231, www.twdb.state.tx.us
Phone (512) 463-7847, Fax (512) 475-2053

November 21, 2011

Mr. Winton Milliff
General Manager
Coke County Underground Water Conservation District
P.O. Box 1110
Robert Lee, TX 76945

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Milliff:

The Texas Water Code, Section 36.1084, Subsection (b), states that the Texas Water Development Board's (TWDB) Executive Administrator shall provide each groundwater conservation district and regional water planning group located wholly or partly in the groundwater management area with the modeled available groundwater in the management area based upon the desired future conditions adopted by the districts. This letter and the attached reports (GAM Run 10-033 MAG, GAM Run 10-040 MAG, GAM Run 10-062 MAG, GTA Aquifer Assessment 10-09 MAG, GTA Aquifer Assessment 10-10 MAG, GTA Aquifer Assessment 10-11 MAG, GTA Aquifer Assessment 10-12 MAG, and GTA Aquifer Assessment 10-13 MAG) are in response to this directive.

As noted in the letter received by the TWDB on August 16, 2010, from Allan Lange of the Lipan-Kickapoo Water Conservation District on behalf of Groundwater Management Area 7, desired future conditions were adopted for the Capitan Reef [Complex], Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers on July 29, 2010.

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If you have any questions, please contact Ms. Rima Petrossian of my staff at 512-936-2420 or rima.petrossian@twdb.state.tx.us for further information.

Sincerely,

Melanie Callahan

Melanie Callahan
Interim Executive Administrator

Attachments: GAM Run 10-033 MAG
GAM Run 10-040 MAG
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c w/atts.: L'Oreal Stepney, Deputy Director, Office of Water, Texas Commission of Environmental Quality
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November 21, 2011

Mr. Slate Williams
General Manager
Crockett County Groundwater Conservation District
P.O. Box 1458
Ozona, TX 76943

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Williams:

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Interim Executive Administrator

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November 21, 2011

Mr. Karl Dreher
General Manager
Edwards Aquifer Authority
1615 North Saint Mary's Street
San Antonio, TX 78215

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Dreher:

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November 21, 2011

Mr. Rick Harston
General Manager
Glasscock Groundwater Conservation District
P.O. Box 208
Garden City, TX 79739

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Harston:

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November 21, 2011

Mr. David Huie
General Manager
Hickory Underground Water Conservation District No. 1
P.O. Box 1214
Brady, TX 76825

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Huie:

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November 21, 2011

Mr. Paul Tybor
General Manager
Hill Country Underground Water Conservation District
508 S. Washington
Fredericksburg, TX 78624

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

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November 21, 2011

Mr. Scott Holland
General Manager
Irion County Water Conservation District
P.O. Box 10
Mertzon, TX 76941

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Dear Mr. Holland:

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Melanie Callahan, Interim Executive Administrator

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If you have any questions, please contact Ms. Rima Petrossian of my staff at 512-936-2420 or rima.petrossian@twdb.state.tx.us for further information.

Sincerely,

Melanie Callahan

Melanie Callahan
Interim Executive Administrator

Attachments: GAM Run 10-033 MAG
GAM Run 10-040 MAG
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c w/atts.: L'Oreal Stepney, Deputy Director, Office of Water, Texas Commission of Environmental Quality
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November 21, 2011

Mr. Jerry Kirby
General Manager
Kimble County Groundwater Conservation District
P.O. Box 31
Junction, TX 76849

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Kirby:

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Melanie Callahan

Melanie Callahan
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November 21, 2011

Mr. Ken Carver
General Manager
Kinney County Groundwater Conservation District
P.O. Box 369
Brackettville, TX 78832

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Carver:

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Melanie Callahan

Melanie Callahan
Interim Executive Administrator

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November 21, 2011

Mr. Allan Lange
General Manager
Lipan-Kickapoo Water Conservation District
P.O. Box 67
Vancourt, TX 76955

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Lange:

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November 21, 2011

Ms. Sue Young
General Manager
Lone Wolf Groundwater Conservation District
P.O. Box 1001
Colorado City, TX 79512

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Ms. Young:

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November 21, 2011

Ms. Caroline Runge
General Manager
Menard County Groundwater Conservation District
P.O. Box 1215
Menard, TX 76859

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Ms. Runge:

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November 21, 2011

Mr. Paul Weatherby
General Manager
Middle Pecos Groundwater Conservation District
P.O. Box 1644
Fort Stockton, TX 79735

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Weatherby:

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If you have any questions, please contact Ms. Rima Petrossian of my staff at 512-936-2420 or rima.petrossian@twdb.state.tx.us for further information.

Sincerely,

Melanie Callahan

Melanie Callahan
Interim Executive Administrator

Attachments: GAM Run 10-033 MAG
GAM Run 10-040 MAG
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c w/atts.: L'Oreal Stepney, Deputy Director, Office of Water, Texas Commission of Environmental Quality
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November 21, 2011

Mr. Jon Cartwright
General Manager
Plateau Underground Water Conservation And Supply District
P.O. Box 324
Eldorado, TX 76936

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Cartwright:

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November 21, 2011

Mr. Lee Sweeten
General Manager
Real-Edwards Conservation And Reclamation District
P.O. Box 807
Camp Wood, TX 78833

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Sweeten:

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November 21, 2011

Ms. Cindy Weatherby
General Manager
Santa Rita Underground Water Conservation District
P.O. Box 849
Big Lake, TX 76932

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Ms. Weatherby:

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November 21, 2011

Mr. Scott Holland
General Manager
Sterling County Underground Water Conservation District
P.O. Box 873
Sterling City, TX 76953

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Holland:

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November 21, 2011

Mr. Jim Polonis
General Manager
Sutton County Underground Water Conservation District
301 S. Crockett Avenue
Sonora, TX 76950

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Polonis:

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November 21, 2011

The Honorable Santiago Flores
Terrell County Judge
Terrell County Groundwater Conservation District
105 East Hackberry
Sanderson, TX 79848

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Judge Flores:

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Sincerely,

Melanie Callahan

Melanie Callahan
Interim Executive Administrator

Attachments: GAM Run 10-033 MAG
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November 21, 2011

Mr. Vic Hilderbran
General Manager
Uvalde County Underground Water Conservation District
200 W. Nopal Street, Suite 203
Uvalde, TX 78801

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Hilderbran:

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November 21, 2011

Mr. Dale Adams
General Manager
Wes-Tex Groundwater Conservation District
100 E. 3rd Street, Suite 305B
Sweetwater, TX 79556

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Adams:

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November 21, 2011

Mr. Tom Beard
Far West Texas Regional Water Planning Group Chairman
P.O. Box 668
Alpine, TX 79831

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Beard:

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November 21, 2011

Mr. John Grant
Region F Water Planning Group Chairman
Colorado River MWD
P.O. Box 869
Big Spring, TX 79721

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

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November 21, 2011

Mr. John Burke
Lower Colorado Regional Water Planning Group Chairman
496 Shiloh Road
Bastrop, TX 78602

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Burke:

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November 21, 2011

Mr. Jonathan Letz
Plateau Regional Water Planning Group Chairman
Kerr County
700 Main Street, Suite 101
Kerrville, TX 78028

Re: Modeled available groundwater estimates for the Capitan Reef Complex, Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers in Groundwater Management Area 7

Dear Mr. Letz:

The Texas Water Code, Section 36.1084, Subsection (b), states that the Texas Water Development Board's (TWDB) Executive Administrator shall provide each groundwater conservation district and regional water planning group located wholly or partly in the groundwater management area with the modeled available groundwater in the management area based upon the desired future conditions adopted by the districts. This letter and the attached reports (GAM Run 10-033 MAG, GAM Run 10-040 MAG, GAM Run 10-062 MAG, GTA Aquifer Assessment 10-09 MAG, GTA Aquifer Assessment 10-10 MAG, GTA Aquifer Assessment 10-11 MAG, GTA Aquifer Assessment 10-12 MAG, and GTA Aquifer Assessment 10-13 MAG) are in response to this directive.

As noted in the letter received by the TWDB on August 16, 2010, from Allan Lange of the Lipan-Kickapoo Water Conservation District on behalf of Groundwater Management Area 7, desired future conditions were adopted for the Capitan Reef [Complex], Dockum, Ellenburger-San Saba, Hickory, Lipan, Marble Falls, Ogallala, and Rustler aquifers on July 29, 2010.

Modeled available groundwater is defined in the Texas Water Code, Section 36.001, Subsection (25), as "the amount of water that the executive administrator determines may be produced on an average annual basis to achieve a desired future condition established under Section 36.108." This is different from "managed available groundwater," shown in the draft version of these reports, which was a permitting value and accounted for the estimated use exempt from permitting. This change was made to reflect changes in statute by the 82nd Legislature, effective September 1, 2011. For use in the regional water planning process, modeled available groundwater estimates have been reported by aquifer, county, river basin, regional water planning area, groundwater conservation district, and any other subdivision of the aquifer designated by the management area (if applicable).

We encourage open communication and coordination between groundwater conservation districts, regional water planning groups, and the TWDB to ensure that the modeled available groundwater reported in regional water plans and groundwater management plans are not in conflict. We estimated modeled available groundwater that would have to occur to achieve the desired future condition using the best available scientific tools. However, these estimates are based on assumptions of the magnitude and distribution of projected

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pumping in the aquifer. It is, therefore, important for groundwater conservation districts to monitor whether their management of pumping is achieving their desired future conditions. Districts are encouraged to continue to work with the TWDB to better define available groundwater as additional information may help better assess responses of the aquifer to pumping and its distribution now and in the future.

If you have any questions, please contact Ms. Rima Petrossian of my staff at 512-936-2420 or rima.petrossian@twdb.state.tx.us for further information.

Sincerely,

Melanie Callahan

Melanie Callahan
Interim Executive Administrator

Attachments: GAM Run 10-033 MAG
GAM Run 10-040 MAG
GAM Run 10-062 MAG
GTA Aquifer Assessment 10-09 MAG
GTA Aquifer Assessment 10-10 MAG
GTA Aquifer Assessment 10-11 MAG
GTA Aquifer Assessment 10-12 MAG
GTA Aquifer Assessment 10-13 MAG

c w/atts.: L'Oreal Stepney, Deputy Director, Office of Water, Texas Commission of Environmental Quality
Linda Brookins, Texas Commission of Environmental Quality
Kelly Mills, Texas Commission of Environmental Quality
John Ashworth, LBG-Guyton Associates
Jaime Burke, AECOM, Inc
Simone Kiel, Freese & Nichols, Inc.
Annette Gutierrez, Rio Grande Council of Governments
Raymond Buck, Upper Guadalupe River Authority
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Cindy Ridgeway, P.G., Groundwater Resources
Rima Petrossian, P.G., Groundwater Resources
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David Thorkildsen, P.G., Groundwater Resources
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Wade Oliver, Groundwater Resources
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