



PANOLA COUNTY

groundwater conservation district

2013 ANNUAL REPORT

**Protecting Tomorrow's Water
Today**



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District Information

Creation

In 2007, the 80th Legislature, through the approval of House Bill 1498, authorized the creation of the Panola County Groundwater Conservation District or the District. The voters of Panola County then confirmed the creation of the District on November 6, 2007 by 87% along with a tax to fund the District with an 83% approval rate.



The purpose of the District is to provide for the conservation, preservation, protection, recharging, and prevention of waste of groundwater, and the groundwater reservoirs or their subdivisions, consistent with the objectives of Section 59, Article XVI, Texas Constitution, Chapter 36 of the Texas Water Code, and the District's enabling act. The District was created to serve a public use and benefit in preserving the groundwater resources of the area.

Mission

Since its creation, the Panola County Groundwater Conservation District has worked hard to develop rules to provide protection to existing water wells, prevent waste, promote conservation, and to preserve and protect the groundwater resources of Panola County.

The District is committed to managing and protecting the groundwater resources within its jurisdiction and to work with other stakeholders to ensure a sustainable, high quality, and cost effective supply of water for future generations.

The District will strive to develop, promote, and implement water conservation and management strategies to protect the water resources for the benefit of the citizens, the economy, and the environment within the District.

Authority

The District is a political subdivision of the State of Texas organized and existing under Section 59, Article XVI, Texas Constitution, the Texas Water Code Chapter 36, Title 31 of the Texas Administrative Code (TAC) Chapter 256, and the District's enabling act. The District is a governmental agency and a body politic and corporate of the State of Texas. The District exercises the authority it has been granted to preserve and protect the groundwater resources of Panola County through the adoption and implementation of rules for the District.

District Information

Location and Extent

The boundaries of the District are the same as Panola County. The area encompasses 821 square miles (approximately 525,438 acres). The District is bounded by Harrison County to the north, Gregg and Rusk Counties to the west, Shelby County to the south, and the State of Louisiana to the east.



District Office

Physical/Mailing Address:

419 West Sabine, Carthage, TX 75633

Phone: 903-690-0143

Fax: 903-690-0135

Email: district@pcgcd.org

Staff and Directors

Directors

The Board of Directors consists of nine (9) members who are elected by the voters of Panola County. The District utilizes the same four (4) precinct boundaries which are used for the Panola County Commissioners when filling eight (8) of the District's director positions. One director position for the District is elected at-large from Panola County. Elections are held in November of each even numbered year. The directors of the District each are elected to a four (4) year term and a director may serve consecutive terms.

Larry Dorman, President	Precinct Two
James Browning, Vice-President	Precinct Two
Danny Reed, Secretary	Precinct One
Jim Payne, Treasurer	Precinct Three
Mike Pennington, Director	Precinct One
Al Clay, Director	Precinct Three
Larry McMillan, Director	Precinct Four
Vacant, Director	Precinct Four
Bobby Langford, Director	At-Large

Staff

Leah Adams	General Manager
Betty Boothe	Office Manager
Jess Landreneau	Field Technician I
Matt Kruebbe	Field Technician II

Letter from the General Manager

The District continued into the year of 2013 with a focus on science. The aquifer study was completed in January by Intera Geoscience and Engineering, providing the District with a rough outline of the groundwater boundaries of the Wilcox Aquifer. Prior to this study, the information the District had about the aquifer was of a much coarser resolution and not readily usable by the District. The study completed this year will serve as the foundation for a larger, more refined study of the aquifer hopefully to be completed before the next round of desired future condition determinations in 2016.

The larger study will require the use of private partners to help fund the study. Chevron became the first partner with a donation of \$25,000 to the District in 2013. Other companies who have expressed an interest in helping with the study include Anadarko and XTO. The study will map the aquifer and help determine the usage the aquifer can support while maintaining the proper balance between economic growth and private landowner interests.

The hydraulic fracturing pond monitoring program continued into 2013 from 2012. We saw an increase in the number of frac ponds to over 23 active ponds and the volume of water used increase to over 20 million gallons per fracturing event. To help with understanding the effects of large volume pumping on our aquifer, the first hydrogeological report was completed this year by Anadarko. The hydrogeological reports show the impact of pumping more than 150 gallons per minute from water well(s) and identify the water wells in the surrounding area will be affected by the pumping. The studies also provide a better understanding of the lithology of the area and have even depicted geographical anomalies in the unconfined nature of the aquifer.

The District has seen more cooperation with the water well drillers working in this area over the past year, but less cooperation with the land owners that have been resistant to register their water wells. As we move into 2014, the protection offered by the District with regards to the water wells affected by high volume pumping and free water well testing will hopefully help people in understanding the importance of water well registration.

The year 2014 will bring the implementation of a drought preparedness plan, (hopefully) an in-depth aquifer study, and possibly the implementation of water well completion requirements. The District will continue to understand more intimately the aquifer we are charged with managing so that we can protect tomorrow's water, today.

Management Plan Goals

The District Management Plan identifies the goals and objectives of the District and provides performance standards and tracking methods to measure the District's effectiveness in meeting these goals. The District goals are mandated by Texas Water Code Chapter 36 in Section 36.1071. Although all groundwater conservation districts are subject to these goals, each district chooses how to best implement the goals within their district by establishing their own objectives and performance standards. The District goals are as follows:

- A. Providing the most efficient use of groundwater
- B. Controlling and preventing waste of groundwater
- C. Addressing conjunctive surface water management issues
- D. Addressing natural resource issues which impact the use and availability of groundwater, and which are impacted by the use of groundwater
- E. Addressing drought conditions
- F. Addressing conservation, recharge enhancement, rainwater harvesting, precipitation enhancement, or brush control, where appropriate and cost effective

The following is a summary of the District's activities related to these goals.

Goal A.1.

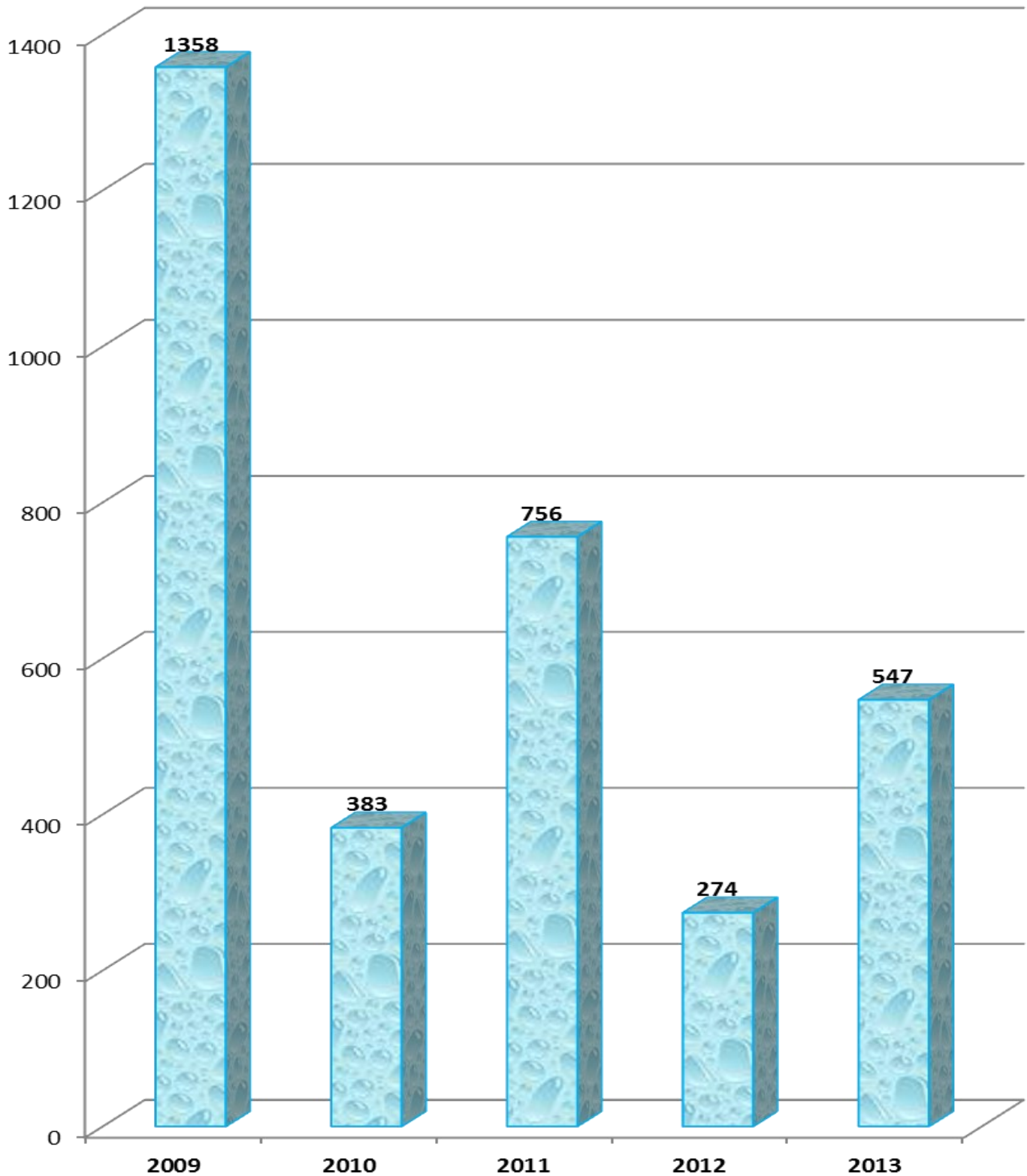
A.1. Objective: The District will require the registration of all wells, exempt and non-exempt, within the District's boundaries each year in accordance with the District Rules.

A.1. Standard: The number of new and existing water wells registered with the District will be provided in the Annual Report for each fiscal year.

Summary of Actions

In 2013, the District accepted and reviewed 547 applications for water wells. The total is 273 more than 2012 and 209 less than 2011. **Exhibit 1** shows a graph that compares the total number of applications for each year. Currently, we have an accumulative total of 3,101 water wells plotted in our ARC GIS mapping system.

Exhibit 1 - Total Number of Water Well Registrations



Goal A.2

A.2. Objective: The District will require permits for all non-exempt groundwater use water wells within the District's boundaries pursuant to the District Rules each year.

A.2. Standard: The District will accept and process applications for permits for all non-exempt groundwater use pursuant to the permitting process described in the District Rules each year. The Annual Report for each fiscal year will contain a summary of the number of applications for the permitted use of groundwater and the number and type of permits issued.

Summary of Actions

Of the 547 applications received in 2013, we had 443 Exempt: Oil and Gas applications, 75 Exempt: Domestic use applications, and 29 Non-Exempt Applications. The three following pages provide Exhibit 2, Exhibit 3, and Exhibit 4 respectively which show the number of and types of water wells.

Exhibit 2 - Exempt: Oil and Gas Water Wells

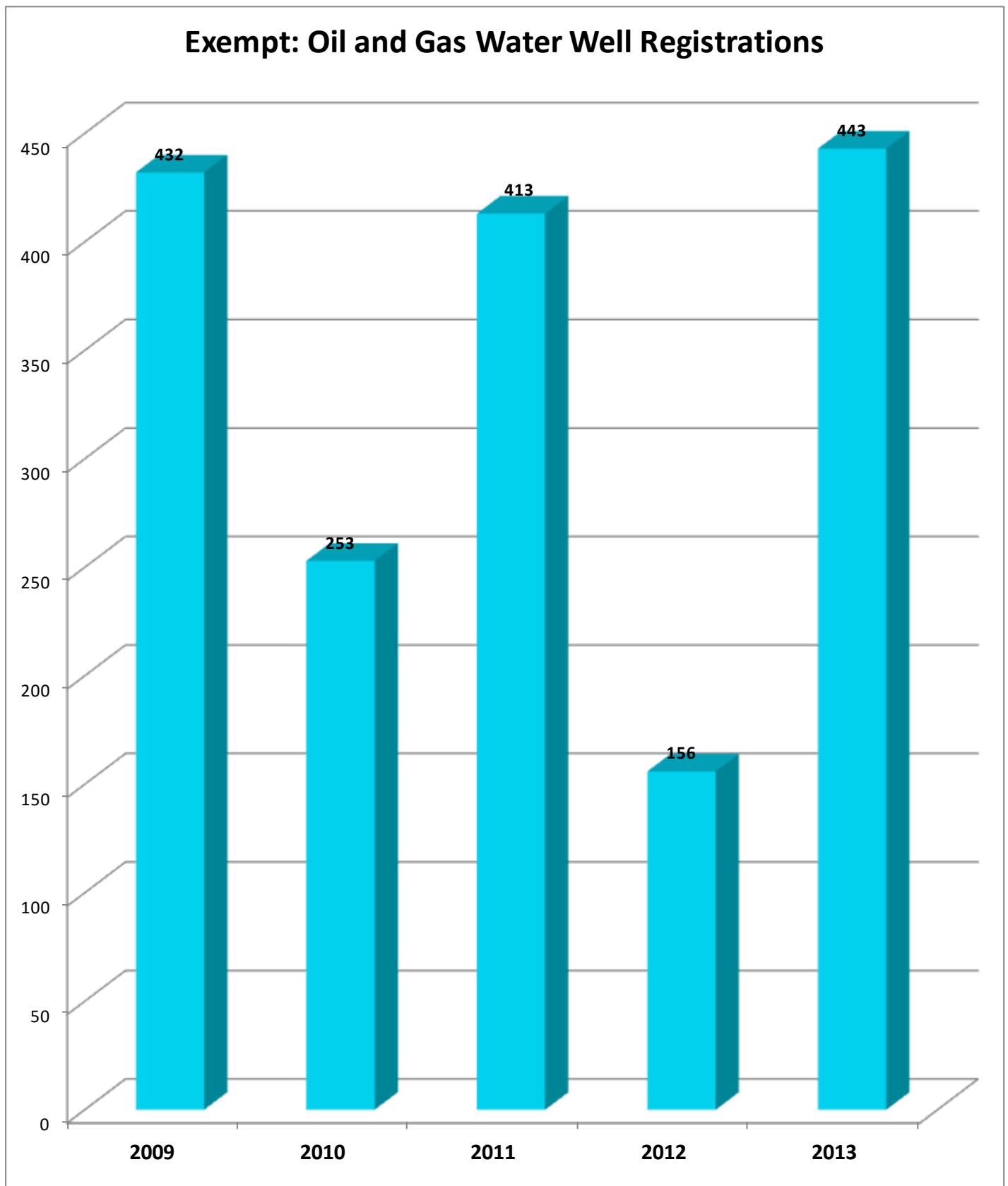


Exhibit 3 - Exempt: Domestic Use Water Wells

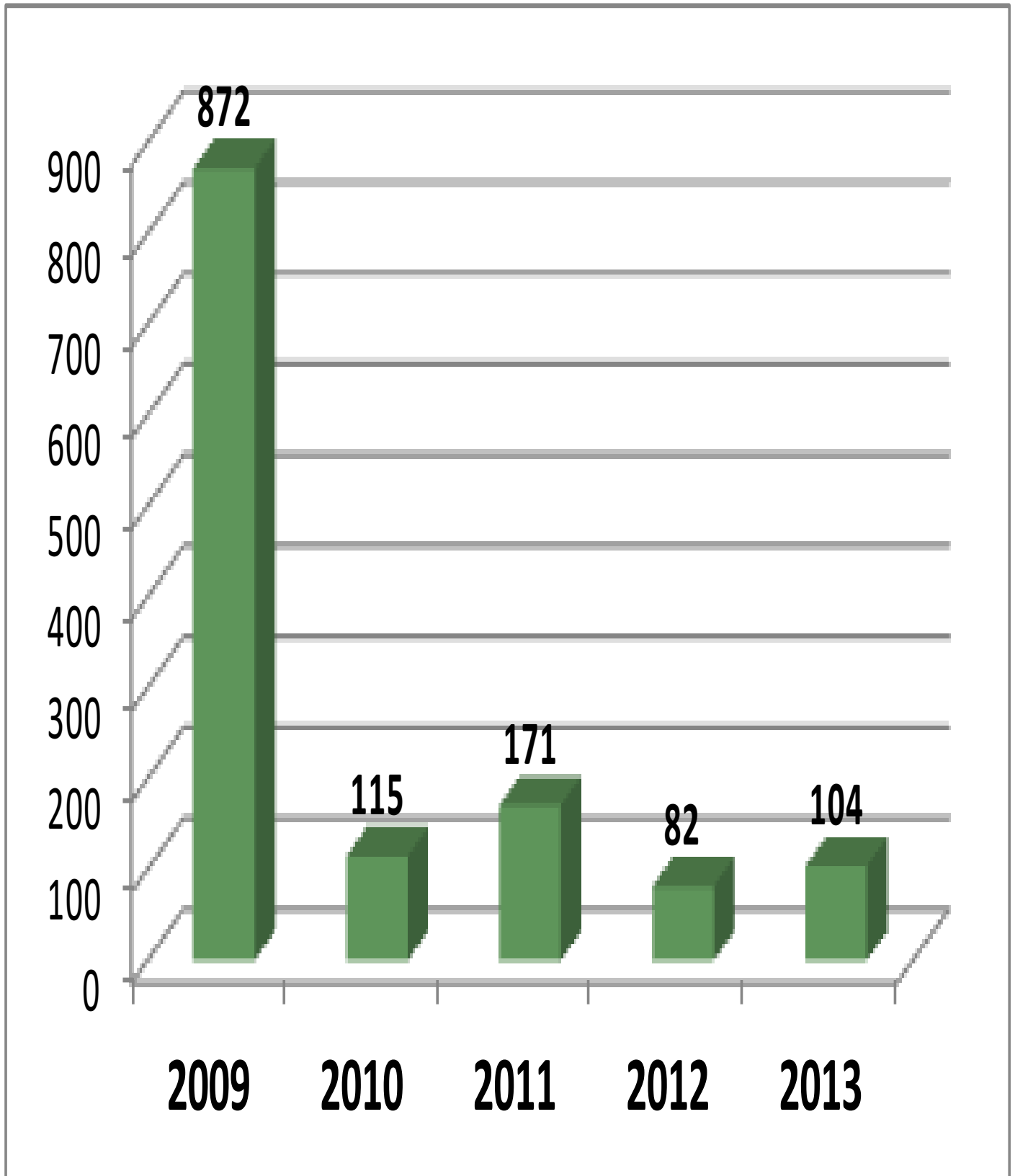
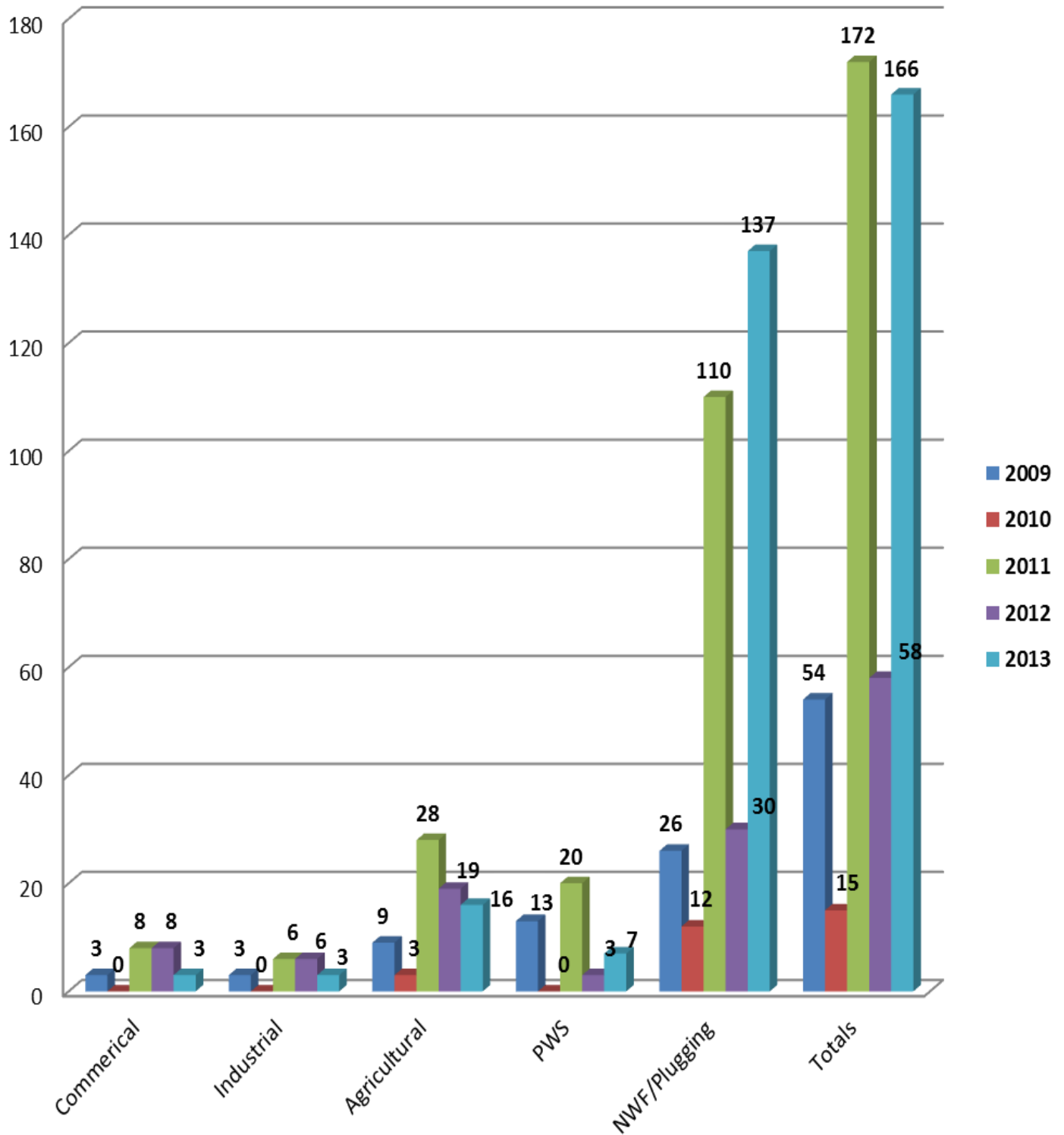


Exhibit 4 - Non-Exempt Water Wells by Type

Non Exempt Water Wells



Goal A.3.

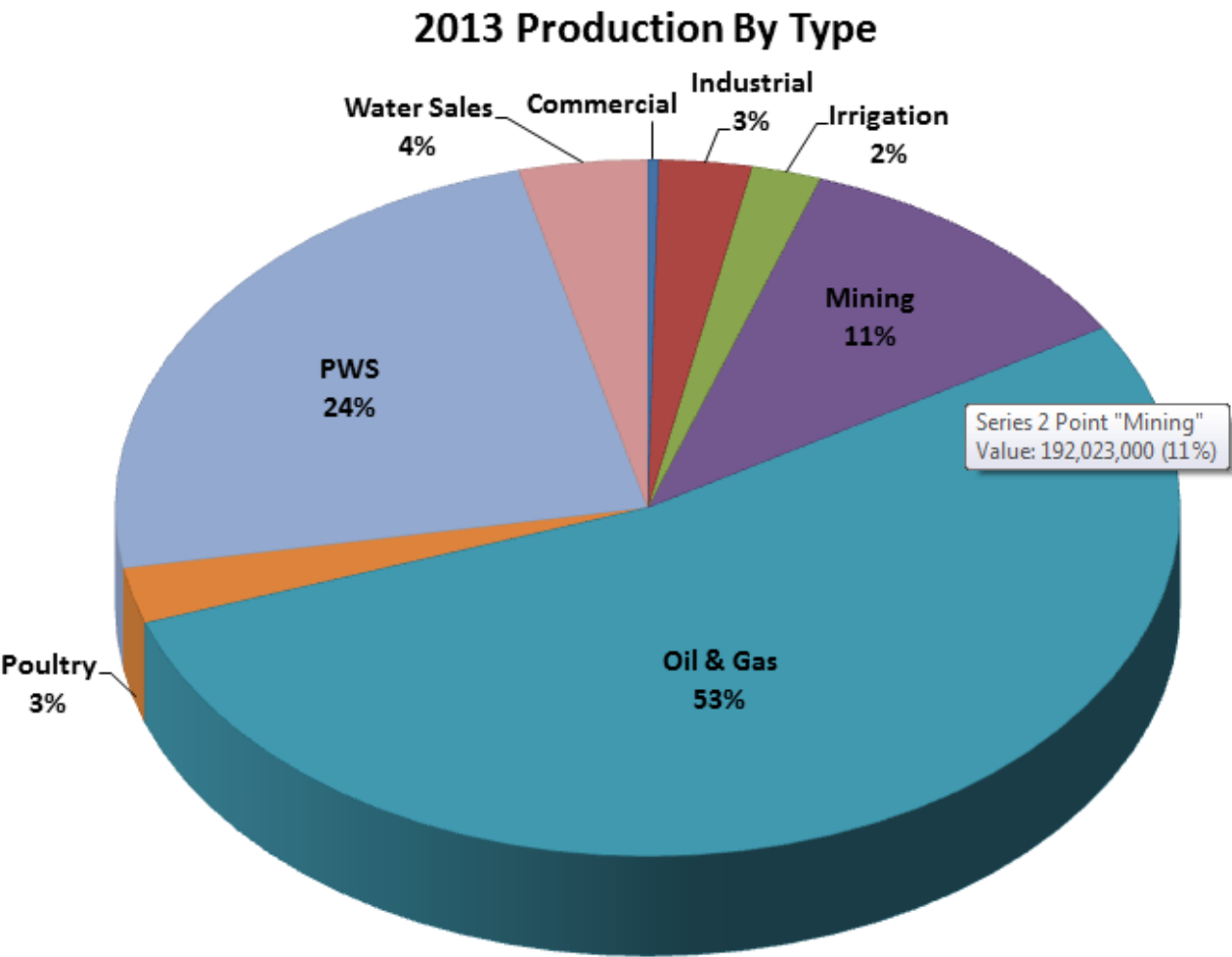
A.3. Objective: The District will regulate the production of groundwater by maintaining a database of groundwater usage through the production volume reports each year according to District rules.

A.3. Standard: The District will include a summary of the volume of water produced in the County each year in the annual report.

Summary of Actions

The District approved the use of 810,319,095 gallons (or ???? acre feet) of water to be used by the people and businesses in Panola County.

Exhibit 5 - 2013 Production by Well Type



Goal B.1.

B.1. Objective: The District will provide information on an annual basis to the public on the elimination, reduction, and prevention of the waste of groundwater and information focused on water quality protection each year.

B.1. Standard: The District's Annual Report will include a summary of the District's efforts during the fiscal year to provide educational information to the public on the elimination, reduction, and prevention of the waste of groundwater.

Summary of Actions

The General Manager spoke to the Carthage Rotary and Panola County Lions club promoting and educating the members on ways to eliminate, reduce, and prevent the waste of groundwater.

The web site, www.pcgcd.org, contains links to a number of useful web sites pertaining to the elimination, reduction, and prevention of the waste of groundwater. Exhibit 6 on the following page shows a snapshot of the links on our website.

Exhibit 6 - Links to Educational Material

[HOME](#)[ABOUT US](#)[OUR WATER](#)[FAQ'S](#)[LINKS](#)[CONTACT](#)

Links

Fun For Kids www.twdb.texas.gov/kids

Texas Water Development Board www.twdb.state.tx.us

Know Your Water, Water IQ www.wateriq.org

Environment and Natural Resources portal www.texasonline.com/portal/tol/en/nat/home

Railroad Commission of Texas www.rrc.state.tx.us/pressreleases/index.php

Palmer Drought Indices www.ndbc.noaa.gov/os/climate/research/prelim/drought/palmer.html

Homeland Security www.dhs.gov

Texas OneCall www.call811.com

Texas Department of Licensing and Regulation for Water Well and Pump Installers www.license.state.tx.us/wwd/wwd.htm

Licensed Water Well and Pump Installer Search www.license.state.tx.us/LicenseSearch/

TWDB Submitted Drillers Reports www.wiid.twdb.texas.gov

NEWS

[Water Is The Future](#)

OCTOBER 16, 2013 [0 COMMENTS](#)

BOARD ANNOUNCEMENTS

[January Board Meeting](#)

JANUARY 24, 2014 [0 COMMENTS](#)

CONTACT US

419 W. Sabine St., Carthage TX 75633
903-690-0143

Goal B.2.

B.2. Objective: The District will make an annual evaluation of its Rules to determine whether any amendments are necessary to facilitate the prevention of waste of the groundwater within the District boundaries.

B.2. Standard: The District's Annual Report will include a summary of the evaluation of the District Rules and will provide a recommendation as to whether any amendments to the Rules are needed to facilitate the prevention of waste.

Summary of Actions

In November of 2013, the Board was asked to conduct a complete review of the District Rules for any necessary changes. No changes were required at that time, but the Board believes that our Rules should address some type of water well completion requirements to ensure the safety of the groundwater due to the large amount of oil and gas production within the boundaries of the county. A copy of the minutes showing the rule review can be found in Appendix A. The rules will be reviewed again in 2014.

Goal C.1.

C.1. Objective: The District will participate in the regional planning process by sending a representative to attend at least one meeting of the East Texas Regional Water Planning Group (Region I) each fiscal year.

C.1. Standard: The attendance at any Region I meeting by a representative of the District will be included in the District's Annual Report and will indicate the dates of attendance.

Summary of Actions

The District participates in the regional planning process by attending Region I Planning Group (RWPG) meetings. The attendance of District staff at these meetings provides valuable input to the Planning Group relative to groundwater's role in overall regional planning and helps to coordinate information between the regional planning group and GMA-11. Of the three meetings, all three were attended by a representative of the District. Appendix B shows the attendance of a representative at two of the meetings. The minutes for the third meeting are not available at the time this report was created.

Goal D.1.

D.1. Objective: The District will monitor water levels within District boundaries on an annual basis by measuring the water level of at least 5 water wells.

D.1. Standard: The District's Annual Report will include a description of the number of water wells measured and the monitoring results of the measured water wells for each year.

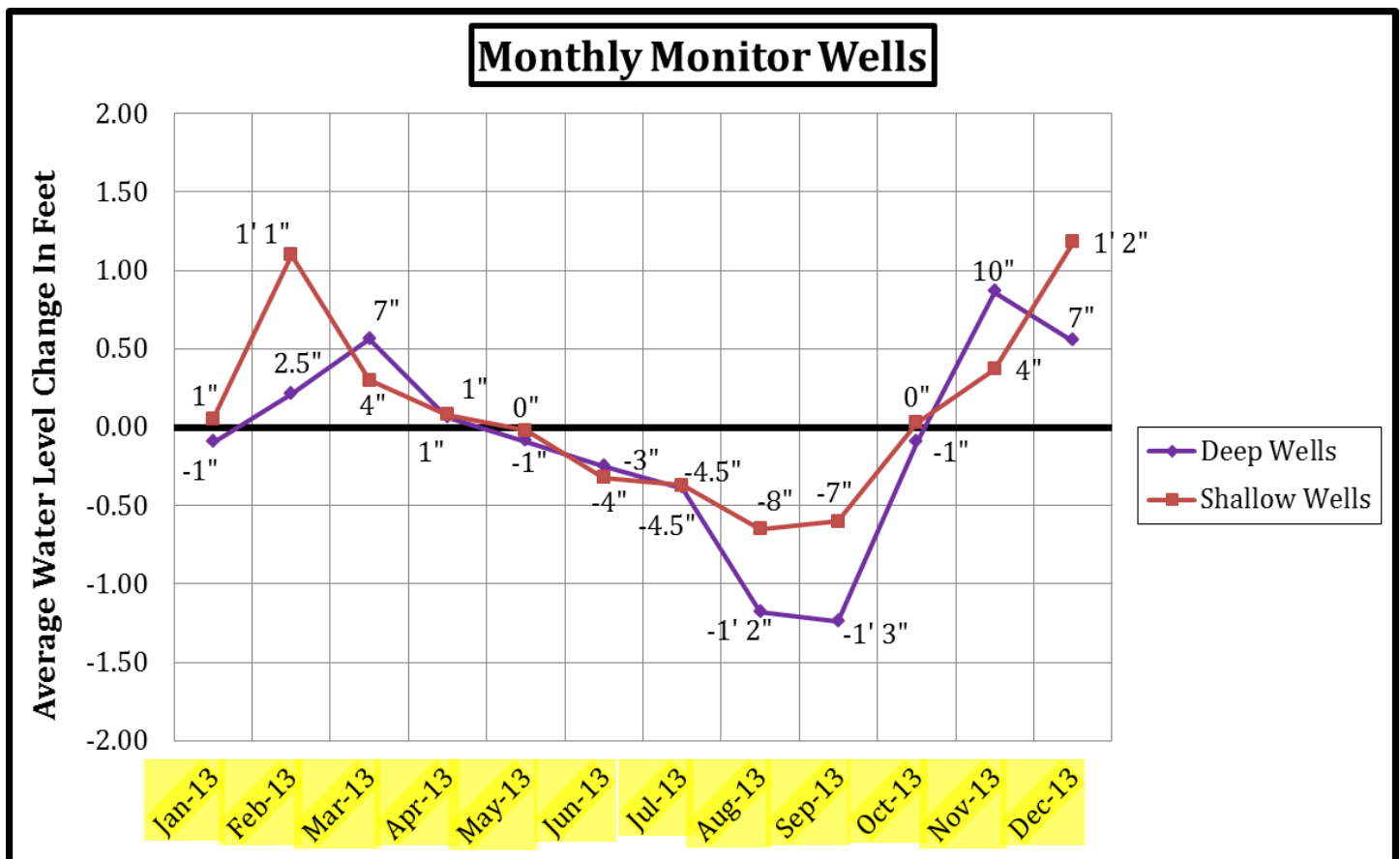
Summary of Actions

In 2013, we added 4 deep wells from the Texas Water Development Board (TWDB) network to the monthly schedule for a total of 15 wells. We also continue to annually check the 16 monitor wells for the TWDB. Tables 1 and 6 show updated level data for 2013. Continued study of the aquifer will help us to further refine our monitor well program.



Tables 6 and 7

PCGCD Well	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
3548207	41.8	41.0	40.7	40.7	40.0	39.8	41.2	42.8	44.8	44.9	42.4	40.9
3553601	64.0	67.6	66.3	68.0	69.0	68.1	66.2	69.5	72.3	73.9	73.7	73.5
3554612	17.7	17.1	16.9	17.0	16.8	17.0	17.3	17.6	17.9	18.1	18.1	17.9
3552906	38.8	38.2	38.5	38.1	38.1	37.9	37.6	38.3	38.4	37.9	38.8	37.7
3553105	31.1	30.1	29.8	29.5	29.5	29.7	30.2	30.7	31.1	31.4	31.2	30.0
3564115	25.5	24.8	24.5	24.3	24.1	24.4	24.7	25.2	26.8	27.0	26.8	26.5
3706304	22.1	21.3	20.9	20.8	20.9	21.3	21.6	22.1	22.5	22.7	22.2	21.5
3555905	24.7	22.9	22.2	22.0	21.8	22.1	22.7	23.9	25.4	25.0	23.4	21.3
3561208	14.1	12.3	11.8	12.2	12.6	13.6	14.4	15.1	16.0	16.0	15.2	13.4
3562402	79.0	78.6	78.2	77.3	76.7	76.5	76.8	77.0	77.1	77.1	76.3	75.6
3562337	63.7	61.8	60.9	60.3	61.5	62.5	64.0	65.2	67.2	67.1	64.7	64.7
3563614	40.4	40.0	39.8	39.6	39.4	39.2	39.5	39.8	40.3	40.1	40.1	40.0
None	no data	29.9	29.1	29.0	29.3	29.8	30.7	31.5	32.6	33.1	32.9	31.8
3545721	no data	62.0	61.7	61.5	61.4	63.1	63.4	64.9	64.7	63.4	62.8	62.3



Goal E.1.

E.1. Objective: The District's Management Plan requires the District to download at least one updated Palmer Drought Severity Index ("PDSI") map each month and check for the regular updates to the Drought Preparedness Council Situation Report ("Situation Report").

E.1. Standard: The District will include the 12 monthly downloaded PDSI maps and Situation Reports in the Annual Report for each fiscal year.

Summary of Actions

Both the "PDSI" and "Situation Reports" can be found in Appendix C and D of this document.

Goal E.2.

E.2. Objective: The District will create and adopt through the Board of Directors a Drought Contingency Plan and monitor drought conditions in the Carrizo-Wilcox aquifer as outlined in the Drought Contingency Plan. If necessary, the District will update its Drought Contingency Plan when changes are necessary.

E.2. Standard: The District's Annual Report to the Board of Directors will provide a summary of any implementations of the Drought Contingency Plan for each year and include an update on any revisions made during the year.

Summary of Actions

The District began the process of creating a Drought Contingency Plan by collecting copies of the plans that are already active in Panola County. The goal is to review the plans and identify common drought stage triggers and response measures. The District believes that any plan approved should have an understanding of what other entities that manage water in the County already have in action. The decision has already been made by staff to present a gradual plan to the Board for approval that has a penalty component, but not to implement penalties until everyone is comfortable with the plan. District staff hope to present a plan to the Board in 2014 for approval.

Goal F.1.

F.1. Objective: The District will promote conservation at least once during each fiscal year by distributing literature packets or brochures and sponsor an educational program/curriculum.

F.1. Standard: The District's Annual Report will provide a summary of the District efforts and a copy of any information provided by the District to the public during the previous fiscal year to promote conservation.

Summary of Actions

The District distributed 2,750 book covers for the 2013 school year. Exhibit 7 on the next page shows a copy of the book cover promoting conservation. Exhibit 8 shows a letter from one of the schools expressing their thanks for our support. The schools participating are located in the towns of Carthage, Beckville, and Gary. Our website also provides suggestions of ways to conserve water. Exhibit 9 shows a snapshot of the web site links.

Exhibit 7

Groundwater is the supply of freshwater found beneath the earth's surface. Precipitation becomes groundwater once it falls to the ground and seeps it's way into water filled layers of sand or rock called aquifers. Groundwater is naturally pure and can remain undisturbed for hundreds of years.

The diagram illustrates the water cycle with a sun, clouds, and a landscape. Arrows indicate the flow of water: precipitation falling from clouds, evaporation rising from the water surface, condensation forming clouds, and runoff flowing into the ocean. Labels include 'PRECIPITATION', 'EVAPORATION', 'CONDENSATION', and 'RUNOFF'.

Pollution threatens our supply of fresh groundwater. Industrial processes, pesticides, illegal dumping, and wasteful use of water all cause the world to have less and less drinkable water.

You can help!
Turn off the water when you're not using it!

The logo for the Panola County Groundwater Conservation District features a stylized landscape with trees and water, enclosed in a square frame. The text 'Panola County' is on the left and 'GCD' is on the right.

www.pcgcd.org
419 W. Sabine Street - Carthage, TX 75633
903-690-0143 office -- 903-690-0135 fax

You can help!
Water the lawn only when it needs it!

You can help!
Fix leaky faucets, pipes, or hoses!

You can help!
Take short showers instead of baths!

name _____ subject _____

YOU CAN KEEP THE WATER FLOWING!

THE EARTH IS COVERED IN WATER BUT ONLY 1% OF IT IS USABLE FOR THE THINGS WE NEED WATER FOR!

OUR GROUNDWATER SUPPLY GIVES US 97% OF THE WORLD'S DRINKABLE WATER!

WE NEED TO CONSERVE OUR RESOURCES AND KEEP OUR WATER CLEAN!

WATER IS PRECIOUS!

Exhibit 8

DEVIN TATE
SUPERINTENDENT

BECKVILLE INDEPENDENT SCHOOL DISTRICT

P.O. Box 37 ★ Beckville, Texas 75631 ★ 903/678-3311 ★ FAX 903/678-2157

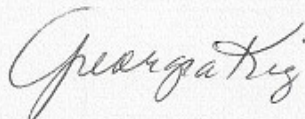
October 31, 2013

Panola County GCD
419 West Sabine Street
Carthage, Texas 75633

Dear D. Boothe:

I am writing this letter to let you know that Beckville Independent School District is very appreciative of the book covers we received this school year. Thank you for thinking of us. Our students will make sure their books are covered.

Thanks you so much, for what you do for us.



Georgia King, Ed.D.
Assistant Superintendent

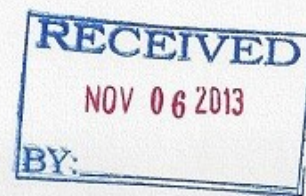


Exhibit 9



PANOLA COUNTY
groundwater conservation district

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Conservation Tips

Milk Jug your toilet

Fill a half-gallon plastic milk jug with water and affix the cap. Flush the toilet and place the jug in the tank, away from the moving parts. This will save a half gallon per flush. Use pebbles or sand in the bottom of the jug if it doesn't stay put. Toilets use more water than anything else in a house, accounting for nearly 30% of indoor water use, according to the U.S. Environmental Protection Agency.

Think 'on and off'

Continuous flow uses more water than intermittent use. Turn the faucet on and off while brushing teeth, shaving, scrubbing kitchen pans and soaping the car.

Use less

It's obvious, but shorter showers and running the dishwasher and clothes washer only when full help.

Let your grass grow

Use a higher wheel setting on your lawn mower- 3 inches or more. Taller grass retains moisture better, requiring less watering. And it inhibits weed growth, saving money on weed-killer.

Fix leaks

It's a no-brainer to fix leaky faucets, but your toilet might be leaking without you knowing and wasting 200 gallons a day, or about 50 flushes' worth. Place a drop of dark food coloring in the tank. If it reaches the bowl within 15 minutes, you have a leak worth fixing.

Get WaterSense

The EPA has a relatively new program called WaterSense for labeling plumbing fixtures certified to save water, about 20% on average. It's similar to the EnergyStar label for products that use electricity efficiently. The label goes on water-efficient models of such fixtures as toilets, sink faucets and showerheads. Learn more at www.epa.gov/watersense.

Don't rinse the dishes

You don't need to rinse dishes before loading them in the dishwasher. Not rinsing could save 6,500 gallons of water per year.

Use sink disposal sparingly

Using the garbage disposal requires a lot of water. Instead, put food waste in a compost pile, which reduces the need for fertilizer.

Water smart outdoors

Water in the cool morning to reduce evaporation and aim sprinklers at plants. Use drip hoses where appropriate.

Goal F.2.

F.2. Objective: The District will provide information relating to recharge enhancement on the District website at least one time each fiscal year.

F.2. Standard: Each year, the District's Annual Report will include a copy of the information that has been provided on the District website at least once each fiscal year.

Summary of Actions

The District has added to the District website the information on recharge enhancement efforts. Exhibit 5 is a snapshot showing the links on our website.

Exhibit 10



PANOLA COUNTY
groundwater conservation district

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Recharge Enhancement

Recharge is the term used to describe how an aquifer gains water from the surface (precipitation, rivers, etc.) or the subsurface (other aquifers). When an aquifer is recharging, water levels rise to be closer to the ground surface, and artesian pressure generally increases. The PCGCD is tracking factors related to recharge such as precipitation (rainfall, snow, etc.) and water levels in water wells.

Panola County is in the outcrop of the Carrizo-Wilcox aquifer, also referred to as the recharge zone of the Carrizo-Wilcox. This means that some of the geologic formations which store groundwater are oriented so that they intersect the ground surface in such a way that they are "open ended" and can receive water from the surface. This is good news for us in that the aquifer will recharge faster than in non-outcrop areas, but it is bad news in that there is a higher risk of groundwater contamination from surface sources.

The PCGCD has 5 rain gauges in Panola County, located in Deadwood, DeBerry, Rock Hill, Gary, and Carthage. At the end of each month, the precipitation recorded by each gauge is averaged to give an approximate rainfall amount for the county. In the graphs below, the data recorded by the PCGCD is compared to what is reported by the National Oceanic and Atmospheric Administration (NOAA) for our area.

[Graph of 2011 Cumulative Precipitation](#)

[Graph of 2012 Cumulative Precipitation](#)

[Graph of 2013 Cumulative Precipitation](#)

[Monthly Precipitation – NOAA Website](#)

Below are graphs of the cumulative precipitation amounts for the State of Texas (statewide average, courtesy of John Nielsen-Gammon and the Houston Chronicle) and for Panola County in recent years. The Texas water year runs from October to September, so these graphs reflect that time frame. Also included is a graph of the annual cumulative precipitation totals for the Carthage weather station, dating back to the 1950s, courtesy of the Southern Regional Climate Center. This graph provides interesting insight into our local wettest years, driest years, and long-term patterns.

[Cumulative – Panola](#)

[Cumulative – Texas and Panola](#)

[Carthage Annual Cumulative, Historic](#)

Goal F.3.

F.3. Objective: The District will advocate rainwater harvesting each year by providing updated information about rainwater harvesting on the District website at least once each fiscal year.

F.3. Standard: The District's Annual Report will include a copy of the information on rainwater harvesting which has been provided on the District website within the previous fiscal year.

Summary of Actions

The District has added to the District website the information on rainwater harvesting. Exhibit 11 is a snapshot showing the links on our website.

Exhibit 11



PANOLA COUNTY
groundwater conservation district

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Rainwater Harvesting

Click the links below for more information about Rainwater Harvesting.

[TWDB – Rainwater Harvesting](#)

[The New Landscape of Rainwater Harvesting in Texas](#) – (article by Kristen Fancher, Attorney)

[AgriLife Extension, Texas A&M – Rainwater Harvesting](#)

NEWS

[Water Is The Future](#)

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CONTACT US

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903-690-0143

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Developed by Arnold Graphic Design

Goal G.1.

G.1. Objective: The District will monitor water levels within the District boundaries on an annual basis by measuring the water level of at least ten (10) wells.

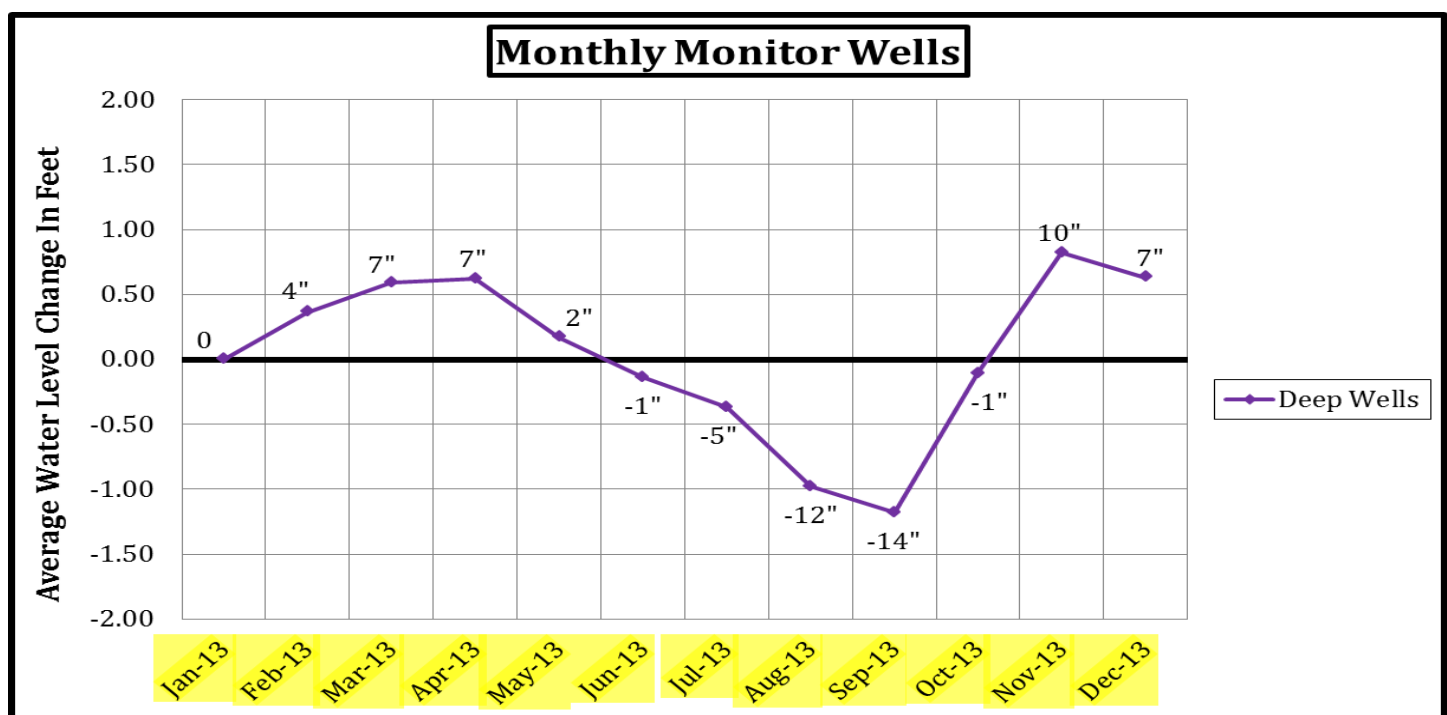
G.1. Standard: The District's Annual Report will include a description of the number of wells measured and the monitoring results of the measured water wells for each year.

Summary of Actions

For the year 2013, the District used 10 water wells to monitor the water levels within the county. The purpose was to monitor the water table throughout the County in an attempt to quantify the established Desired Future Conditions of the aquifer. While we are not there yet, the change in water levels over time will help us understand more about our aquifer and how it reacts to recharge and usage. Table 3 provides a list of the water wells monitored and the results.

Table 3 - Monitor Wells and Water Level Monitoring Results

PCGCD #	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
3548207	41.8	41.0	40.7	40.7	40.0	39.8	41.2	42.8	44.8	44.9	42.4	40.9
3553601	64.0	67.6	66.3	68.0	69.0	68.1	66.2	69.5	72.3	73.9	73.7	73.5
3564115	25.5	24.8	24.5	24.3	24.1	24.4	24.7	25.2	26.8	27.0	26.8	26.5
3562402	79.0	78.6	78.2	77.3	76.7	76.5	76.8	77.0	77.1	77.1	76.3	75.6
3562337	63.7	61.8	60.9	60.3	61.5	62.5	64.0	65.2	67.2	67.1	64.7	64.7
3563614	40.4	40.0	39.8	39.6	39.4	39.2	39.5	39.8	40.3	40.1	40.1	40.0
NA	no data	29.9	29.1	29.0	29.3	29.8	30.7	31.5	32.6	33.1	32.9	31.8
3545721	no data	62.0	61.7	61.5	61.4	63.1	63.4	64.9	64.7	63.4	62.8	62.3
NA	67.9	67.3	66.7	66.4	66.3	66.5	67.0	67.4	68.8	69.5	68.7	67.6
3552903	75.0	73.3	72.5	67.1	64.8	64.0	64.1	64.1	64.6	64.2	63.7	62.9
Changes:		0.8	0.3	0.0	0.7	0.2	-1.4	-1.6	-2.0	-0.1	2.5	1.5
		-3.6	1.3	-1.7	-1.0	0.9	1.9	-3.3	-2.8	-1.6	0.2	0.2
		0.7	0.3	0.2	0.2	-0.3	-0.3	-0.5	-1.6	-0.2	0.2	0.3
		0.4	0.4	0.9	0.6	0.2	-0.3	-0.2	-0.1	0.0	0.8	0.7
		1.9	0.9	0.6	-1.2	-1.0	-1.5	-1.2	-2.0	0.1	2.4	0.0
		0.4	0.2	0.2	0.2	0.2	-0.3	-0.3	-0.5	0.2	0.0	0.1
		0.6	0.8	0.1	-0.3	-0.5	-0.9	-0.8	-1.1	-0.5	0.2	1.1
		1.7	0.3	0.2	0.1	-1.7	-0.3	-1.5	0.2	1.3	0.6	0.5
			0.6	0.3	0.1	-0.2	-0.5	-0.4	-1.4	-0.7	0.8	1.1
			0.8	5.4	2.3	0.8	-0.1	0.0	-0.5	0.4	0.5	0.8
Average change/month:		0.4	0.6	0.6	0.2	-0.1	-0.4	-1.0	-1.2	-0.1	0.8	0.6



Goal G.2.

G.2. Objective: The District will consider a reasonable estimated amount of actual groundwater production under existing permits through tracking production of all permitted water wells.

G.2. Standard: The District's Annual Report will include the amount of production for each permitted water well within the boundaries of each District each year.

Summary of Actions

In 2013, the District added 29 operating permits to the 32 issued in 2012 and 22 issued in 2011 (two 2013 permits included renewals for permits issued in 2011). The addition created a total of 81 operating permits and 56 grandfathered use permits for the District. The District has permitted out a total of 1,832,488,000 gallons or 5,624 acre feet of water. The total production for all permitted water wells in 2013 was 618,296,095 gallons or 1,897 acre feet. The total amount of water permitted by well type is represented in Exhibit 12 and Table 4 provides a list of all the permits including the annual production and permitted amounts.

Exhibit 12 - Permit Amounts Issued by Well Type

2013 Permit Amounts Issued by Well Type

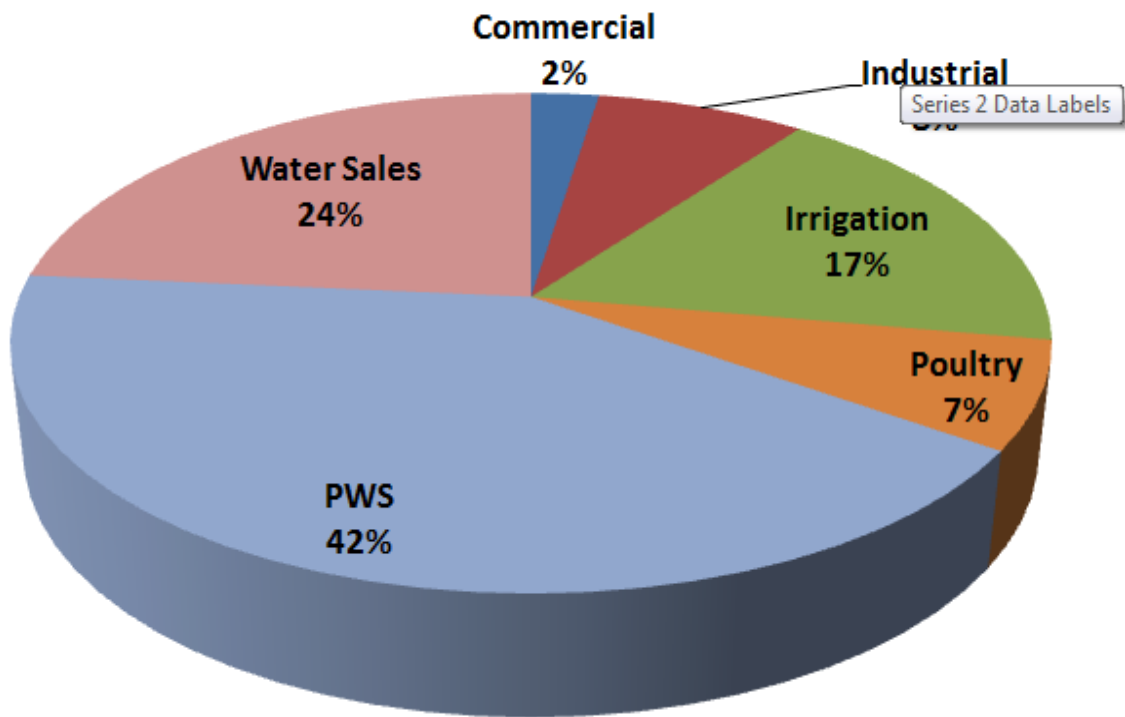


Table 4 - Permit Well Usage and Permitted Amounts

Permit Number	Type	2013 Total	Permitted Amount
GUP-1200028,29	Commercial	527,077	500,000
OP-1300009-11	Commercial	20,000	100,000
GUP-1200042	Commercial	1,876,300	3,000,000
OP-1200030	Commercial	14,766	25,000
NA	Commercial	NA	26,280,000
OP-1300004	Commercial	20,000	25,000
OP-1200014	Commercial	10,999	9,460,800
OP-1300006	Commercial	3,305,000	16,292,550
Commercial Total		5,774,142	55,683,350
NO-00125	Industrial	26,874,000	45,000,000
OP-1200018-22	Industrial	610,000	630,000
OP-1100001	Industrial	2,780,480	9,125,000
OP-1200004	Industrial	17,377,080	27,969,000
OP-1200010	Industrial	11,036	13,140,000
OP-1300005	Industrial	1,151,976	46,252,800
Industrial Total		48,804,572	142,116,800
OP-1300018	Irrigation	1,577,280	8,696,160
OP-1300014	Irrigation	NA	26,280,000
OP-1300001-3	Irrigation	496,800	68,328,000
OP-1200015-17	Irrigation	21,694,200	13,100,000
OP-1300024	Irrigation	0	36,792,000
OP-1300022	Irrigation	0	73,584,000
OP-1200002	Irrigation	0	518,400
GUP - 1100002	Irrigation	1,600,000	2,200,000
GUP - 1100003,4	Irrigation	10,426,000	25,918,200
OP-1200014	Irrigation	10,999	9,460,800
OP-1300029	Irrigation	0	31,536,000
OP-1300023	Irrigation	12,000	2,500,000
OP-1300027	Irrigation	1,001,350	1,000,000
OP-1200012	Irrigation	14,000	20,275,200
Irrigation Total		36,832,629	320,188,760

Table 4 Continued

Permit Number	Type	2013 Total	Permitted Amount
OP-1300028	Poultry	178,000	26,280,000
GUP-1200001,2	Poultry	4,166,650	2,936,670
OP-1200026	Poultry	548,561	1,000,000
OP-1300021	Poultry		3,500,000
GUP-1200013	Poultry	562,500	1,642,500
GUP-1200033	Poultry	5,847,650	15,095,000
OP-1300012,16	Poultry	376,115	1,200,000
GUP - 1100001	Poultry	6,060,000	38,500,000
OP-1200005	Poultry	9,600,000	9,684,000
GUP-1200024	Poultry	512,000	1,000,000
GUP-1200031	Poultry	361,620	814,000
GUP-1200005	Poultry	17,608	1,075,000
GUP-1200016,17	Poultry	8,870,000	8,870,000
GUP-1200003	Poultry	944,000	945,000
OP-1200011	Poultry	1,565,200	2,430,000
OP-1300026	Poultry	0	4,000,000
OP-1200009	Poultry	1,222,078	2,700,000
OP-1200031,32	Poultry	3,559,730	2,000,000
OP-1200013	Poultry	694,000	3,000,000
Poultry Total		45,085,712	126,672,170
OP-1200006	PWS	3,669,000	8,000,000
GUP - 11000010	PWS	36,224,000	49,637,500
GUP - 1100005	PWS	0	190,080,000
OP-1200023-25	PWS	20,693,600	26,000,000
O-00108	PWS	25,175,500	36,000,000
GUP-1200012	PWS	30,553,000	47,274,000
OP-1300007,8	PWS	26,434,612	37,000,000
GUP-1200025,26,27	PWS	17,619,300	25,000,000
OP-1300025	PWS	25,110,200	37,000,000
GUP-1200018	PWS	19,425,700	20,029,500
OP-1300015	PWS	14,654,800	35,000,000
GUP-1200014	PWS	78,706,000	76,748,000
GUP-1200023	PWS	24,489,800	32,000,000
GUP - 1100009	PWS	10,068,900	15,400,000
OP-1300017	PWS	81,402,000	130,000,000
PWS Total		414,226,412	765,169,000

Table 4 Continued

Permit Number	Type	2013 Total	Permitted Amount
OP-1200003	Water Sales	54,933,000	73,584,000
GUP - 1100011	Water Sales	0	52,560,000
GUP-1200011	Water Sales	1,392,300	33,112,800
GUP-1200030	Water Sales	864,468	17,035,200
GUP-1200006-9	Water Sales	95,750	13,178,720
OP-1300013	Water Sales	0	37,843,200
GUP-1200004	Water Sales	293,074	3,500,000
GUP-1200010	Water Sales	3,248,700	18,396,000
OP-1200027,28,30	Water Sales	0	36,792,000
OP-1200029	Water Sales	0	31,536,000
OP-1300018, 20,21	Water Sales	6,680,585	105,120,000
Water Sales Total		67,507,877	422,657,920
Grand Total		618,231,344	1,832,488,000
Totals in Acre Feet		1,897	5,624

Management Goals Determined Not Applicable to the District

The following goals have been determined by the District to not be applicable.

- ♦ Controlling and Preventing Subsidence
- ♦ Addressing Precipitation Enhancement
- ♦ Addressing Brush Control

Appendix A - Rule Review

Panola County Groundwater Conservation District Board of Directors Regular Meeting Minutes November 26, 2013

A regular meeting of the Panola County Groundwater Conservation District Board of Directors was held on Tuesday, November 26, 2013 at 5:35 p.m. immediately following the public hearing in the District Conference Room at 419 W. Sabine Street, Carthage, Texas 75633. The following were in attendance:

Board Members - Precinct #1: Danny Reed

 Precinct #2: James Browning
 Larry Dorman
 Precinct #3: Al Clay
 Jim Payne
 Precinct #4: Larry McMillan
 Richard Bagley
 At large: Bobby Langford

Absent - Mike Pennington, Precinct #1

District Staff - Leah Adams, General Manager and Jess Landreneau, Technician

Others – William R. Marsalis

1. Immediately following the public hearing, the regular board meeting was called to order by Larry Dorman at 5:35 p.m.
2. There were no public comments.
3. After reviewing the October 24, 2013 Public Hearing minutes, James Browning moved and Danny Reed seconded the motion to accept the minutes as presented. The motion passed unanimously.
4. After reviewing the October 24, 2013 Regular Board Meeting minutes, Danny Reed moved and Al Clay seconded the motion to accept the minutes as presented. The motion passed unanimously.
5. Richard Bagley, Precinct 4 Director, submitted his resignation from the Board of PCGCD due to conflicts with his work schedule. After all Board Members offered thanks for his years of service in protecting the groundwater of Panola County, James Browning moved and Jim Payne seconded the motion reluctantly accepting Richard Bagley's resignation from the Board of Directors. The motion passed unanimously.
6. After review of the PCGCD 2014 Holiday Schedule, Danny Reed moved and Al Clay seconded the motion to approve the schedule as presented. The motion passed unanimously.

Appendix A - Rule Review

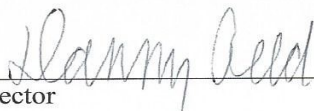
7. The Board of Directors was presented with a copy of the current District Rules at the last meeting and asked to review for any possible future rules changes as required by Section B.2. of our management plan. No rule changes were required at this time.
8. The General Manager provided an update to the Board on staff attendance to OSHA training and her attendance at the 4th Annual Shale Play Conference as a speaker on water regulation in the state of Texas.
9. Jess Landreneau, Field Technician, provided updates on ongoing water well issues. There were no updates on the Anadarko William Wall 3 lease, the Devon McRae lease, the BP Allison 3 lease, the EXCO Lawson Morgan 1 lease, or the J Roque complaint. On the Wildhorse/Memorial JJ Smith 8H1 lease, the Railroad Commission reports that the case is closed due to no documented rules violations.

He also gave updates on regular monthly monitor wells, rain gauges, and monitor wells for frac ponds. The monthly monitor deep well readings show a rise in water levels of approximately 0.86 feet in the last month. Compared to 2011, the deep well water levels are up 0.59 feet. The shallow well water levels have come up 0.37 feet in the last month and they are 1.17 feet lower than in 2011. The rainfall average for October was 5.63 inches. The historical average for October is 4.93 inches. The historical average for November is 4.93 inches, and the U.S. Drought Monitor map for Texas illustrates Panola County's current status is no drought.


Per Jess's report, there are several frac pond areas of concern in Panola County. These are the XTO Duke Rudman and the XTO New Horizon Frac Water Facility northeast of Tatum, where there have been drawdowns averaging 42 feet since May 2013. Also of concern is the area including the XTO Briggs, Valence Rhodes 1, XTO Cornelius Evans A-3, and the XTO May frac ponds in FM 1794 and FM 1186 in Horton. The District will continue to monitor all frac ponds.

10. After reviewing the accounts payable for the period of October 18, 2013 – November 22, 2013, Danny Reed moved and Al Clay seconded the motion to approve payment of expenses as presented. The motion passed unanimously.
11. No Executive session was required.
12. Since no Executive session was required, no action was taken.
13. The next regular meeting was scheduled for Wednesday, December 18, 2013 at 5:30 p.m. at the District Office.
14. Danny Reed moved and Jim Payne seconded the motion to adjourn at 6:39 p.m. The motion passed unanimously.

Approved this 18th day of December, 2013.



Director



Director

Appendix B - Region I Meeting (February 13, 2013)

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MINUTES OF THE REGULAR MEETING
of the
REGIONAL WATER PLANNING GROUP "I"
Wednesday, February 13, 2013 – 10:00 a.m.
Nacogdoches Recreation Center
1112 North Street, Nacogdoches, Texas

1. Call to Order – Kelley Holcomb, Chair called the meeting to order at 10:15 a.m.
2. Invocation & Pledge of Allegiance – David Alders gave the invocation and led the group in the Pledge of Allegiance.
3. Roll Call and Determination of Quorum – The roll was called by Lila Fuller and a quorum was determined as follows:

Voting Members Present (11 of 24)

Kelley Holcomb
David Alders
David Brock
Josh David
Mark Dunn
Scott Hall
William Heugel
Joseph Holcomb
John Martin
Monty Shank
Worth Whitehead

Voting Members Absent (13)

Leah Adams
Jeff Branick
George P. Campbell
Jerry Clark
Chris Davis
Mike Harbordt
Darla Smith
Bill Kimbrough
Duke Lyons
Dale R. Peddy
Hermon Reed
Darla Smith
J. Leon Young

Proxies:

Kelley Holcomb for Jerry Clark
Monty Shank for Mike Harbordt
Kelley Holcomb for Dale R. Peddy

Non-Voting Members Present:

Connie Standridge – Region C

Appendix B - Region I Meeting (February 13, 2013)

148

Governmental Reporting Agencies Present:

Lann Bookout, Texas Water Development Board
Matt Nelson, Texas Water Development Board
Terry D. Stelly, Texas Department of Wildlife - CF
Bill Hoppe, Texas Department of Agriculture

Other Guests Present:

Lila Fuller, City of Nacogdoches
Stacy Corley, City of Nacogdoches
Rex Hunt, Alan Plummer Associates
Lauren Gonzalez, Alan Plummer Associates
Robert Haberle, SPI
Bill Jacobs, Lower Trinity GCD
Scott Cooper, Angelina County
Jess Landreneau, Panola County GCD
Greg Morgan, City of Tyler

4. Consideration and approval of the minutes of the September 12, 2012 meeting.

Mark Dunn moved to approve the minutes as presented. Motion seconded by Monty Shank and unanimously passed.

5. Report from City of Nacogdoches – Lila Fuller.

No report.

6. Reports of adjoining regions activity (only as needed):

- A. Region C - No report.
- B. Region D - Worth Whitehead stated Region D was working on appointing committees.
- C. Region H – David Alders updated the group on the Region H meeting held on December 5, 2012.

7. Reports from Standing Committees (only as needed):

- A. **Executive Committee** – Membership issues to be discussed later in the meeting.
- B. **Finance Committee** – No report. Lila Fuller updated the group on the County allocations received.
- C. **Bylaws Committee** – David Alders stated the committee would have recommended changes to the Bylaws later in the meeting.
- D. **Nominations Committee** – Monty Shank, representing the Nominations Committee, stated they had received resignations from George Campbell and Hermon Reed. Glenda Kindle stated she was verbally submitting her resignation from the ETRWPG effective this date.

Monty Shank moved to accept the resignations of George Campbell, Hermon Reed and Glenda Kindle. The motion was seconded by David Alders and unanimously passed.

David Alders stated that all three members were Charter members of the ETRWPG and commended them for their 17 years of service.

Appendix B - Region I Meeting (May 22, 2013)

153

MINUTES OF THE REGULAR MEETING
of the
REGIONAL WATER PLANNING GROUP "T"
Wednesday, May 22, 2013 – 10:00 a.m.
Nacogdoches Recreation Center
1112 North Street, Nacogdoches, Texas

1. Call to Order – Kelley Holcomb, Chair called the meeting to order at 10:15 a.m.
2. Invocation & Pledge of Allegiance – Josh David gave the invocation and led the group in the Pledge of Allegiance.
3. Roll Call and Determination of Quorum – The roll was called by Lila Fuller and a quorum was determined as follows:

Voting Members Present (11 of 24)

Kelley Holcomb
Leah Adams
David Brock
Josh David
Chris Davis
Mark Dunn
Scott Hall
Mike Harbordt
William Heugel
Joseph Holcomb
Bill Kimbrough
Monty Shank

Voting Members Absent (13)

David Alders
Jeff Branick
George P. Campbell
Jerry Clark
John Martin
Dale R. Peddy
Darla Smith
Worth Whitehead
J. Leon Young

Proxies:

Scott Hall for Jerry Clark
Kelley Holcomb for Dale R. Peddy
Bill Heugel for Darla Smith

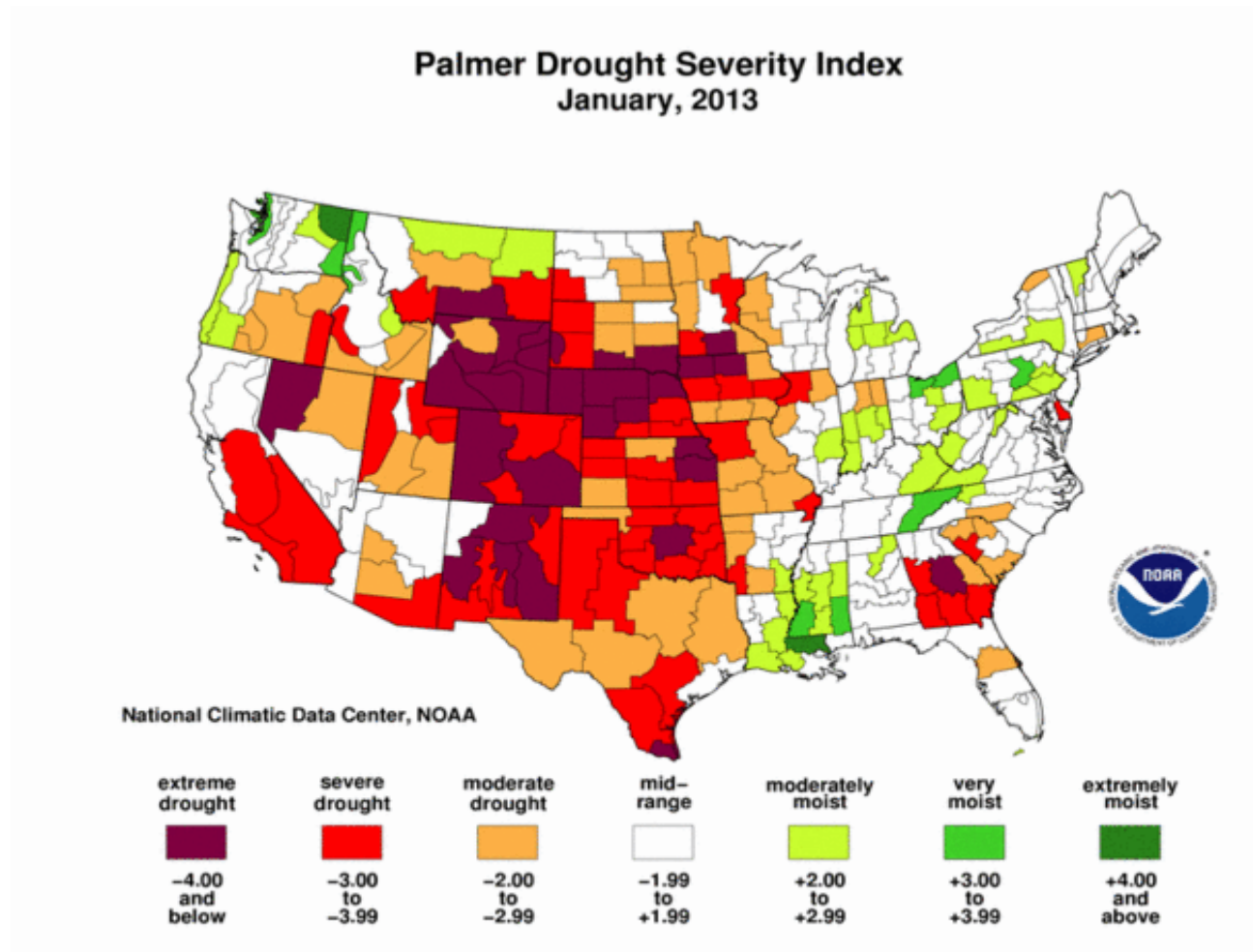
Non-Voting Members Present:

Governmental Reporting Agencies Present:

Temple McKinnon, Texas Water Development Board
Terry D. Stelly, Texas Department of Wildlife - CF

Appendix C

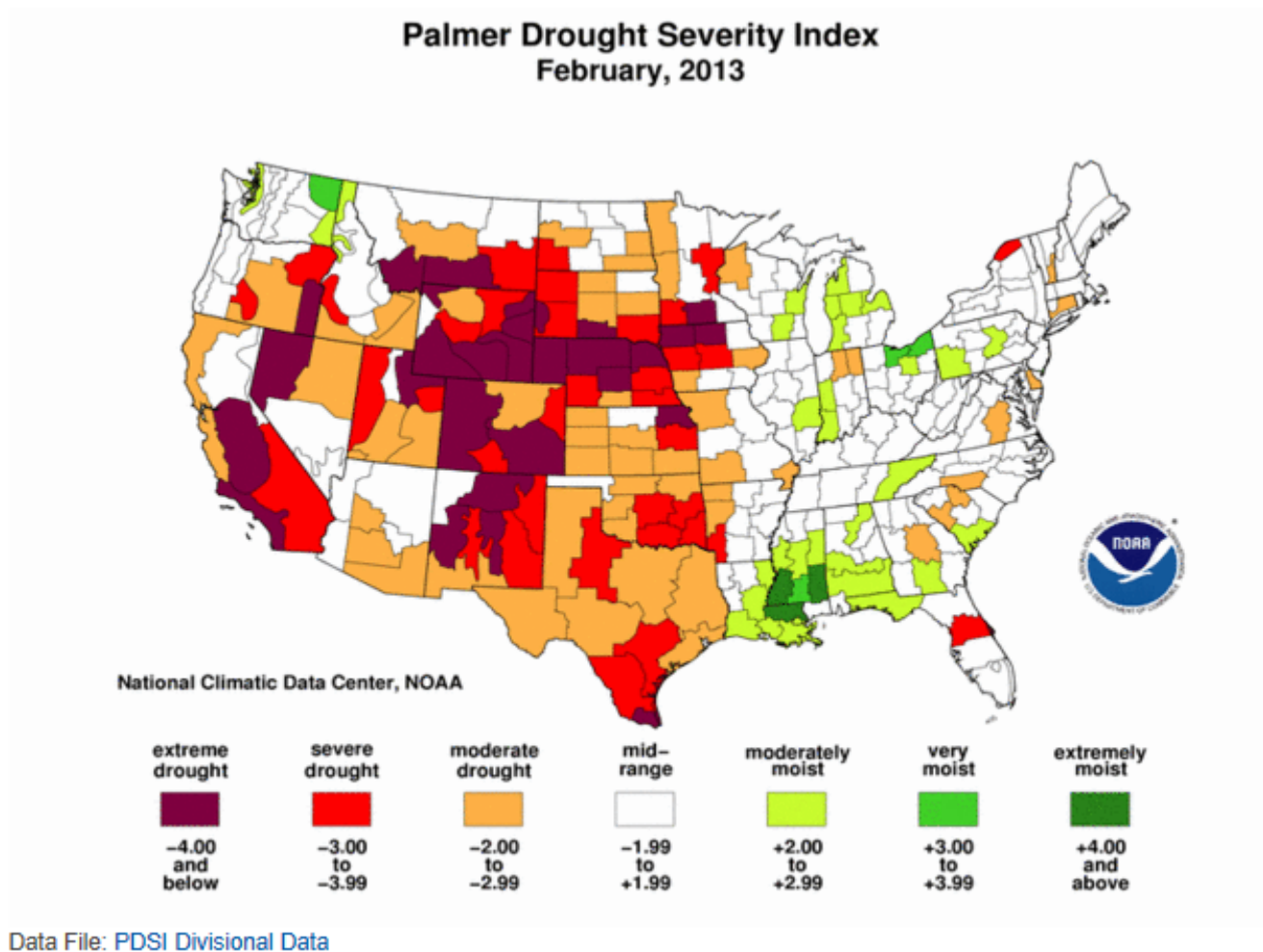
Palmer Drought Severity Index



Data File: [PDSI Divisional Data](#)

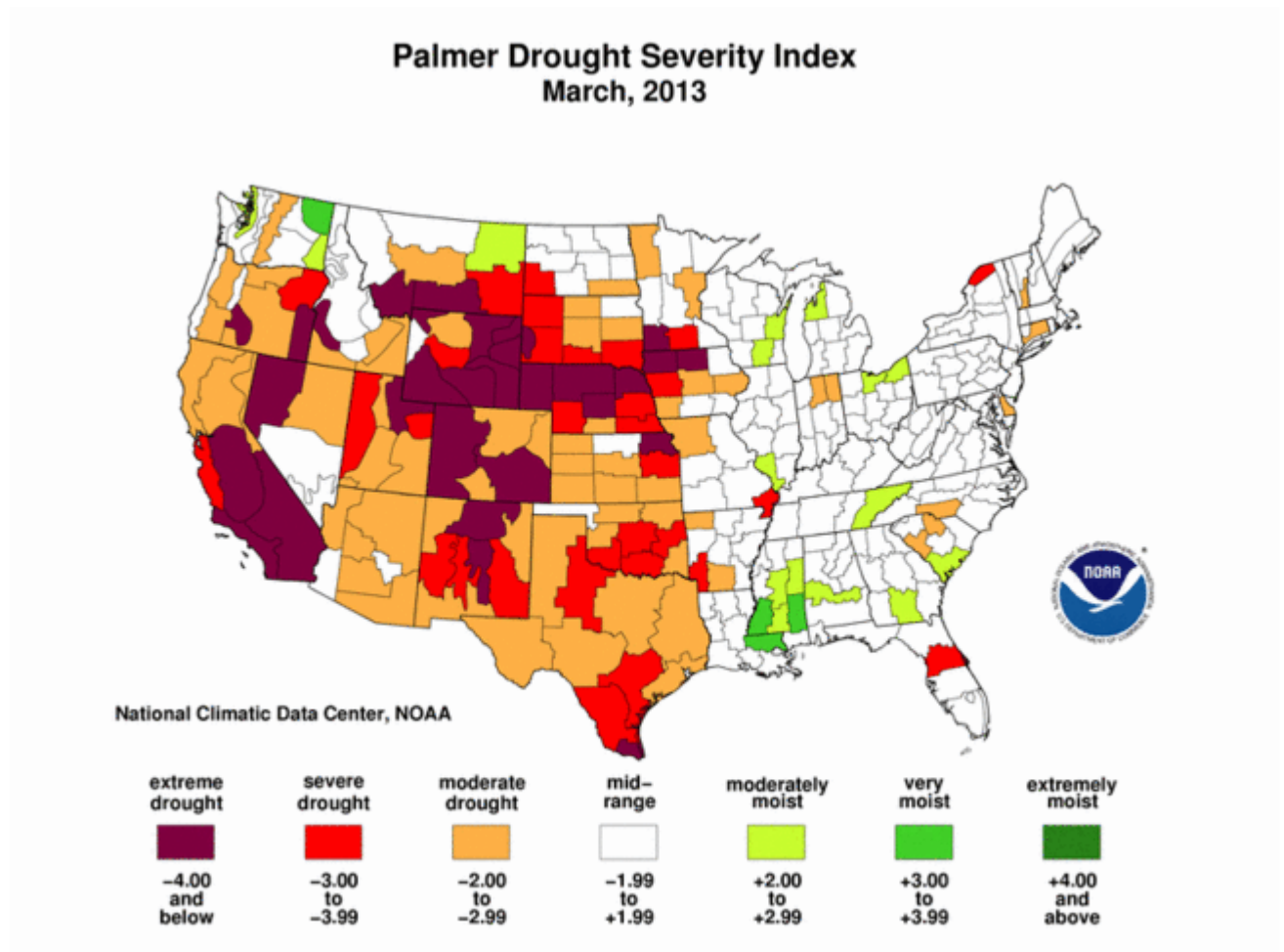
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Palmer Drought Severity Index



Appendix C

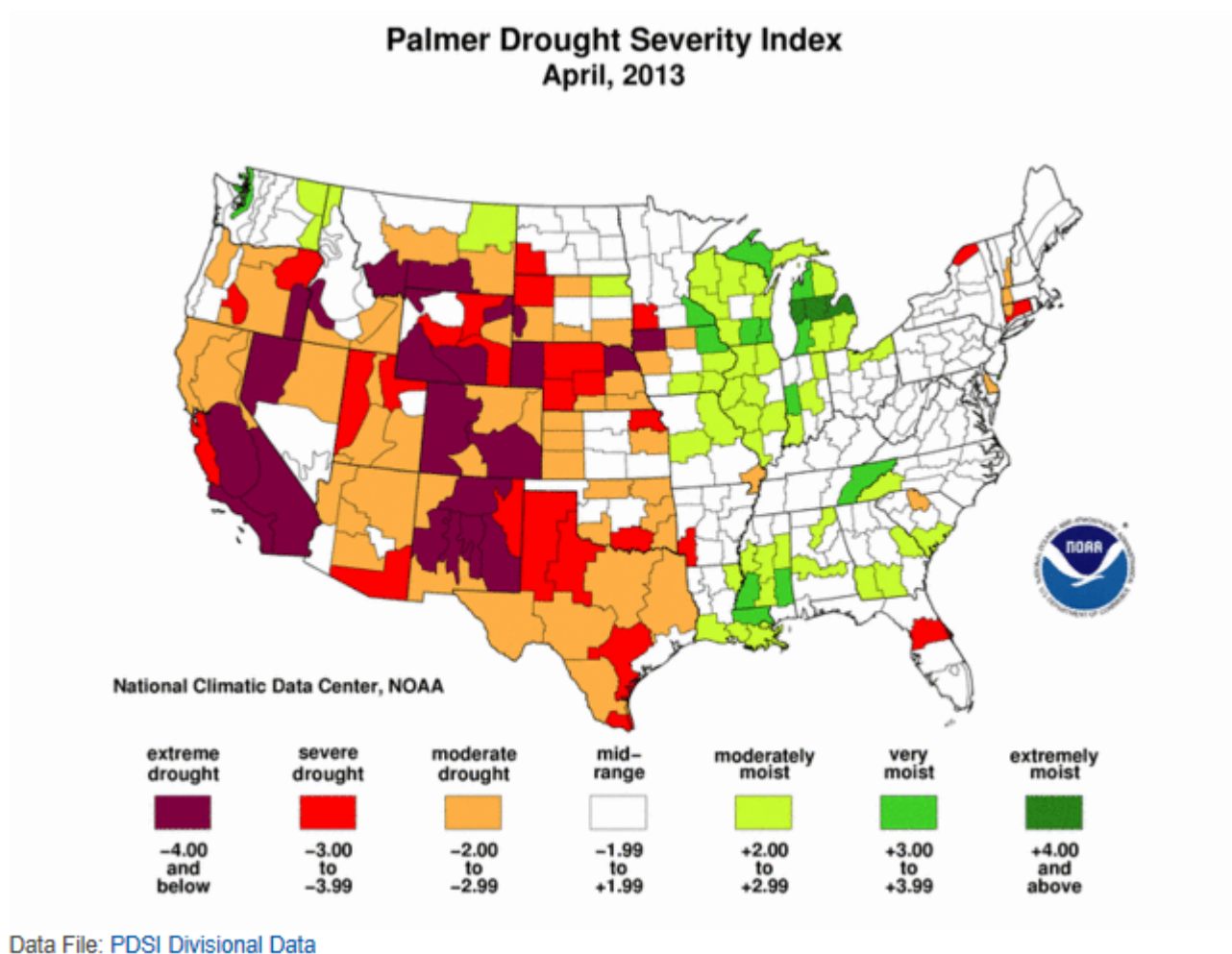
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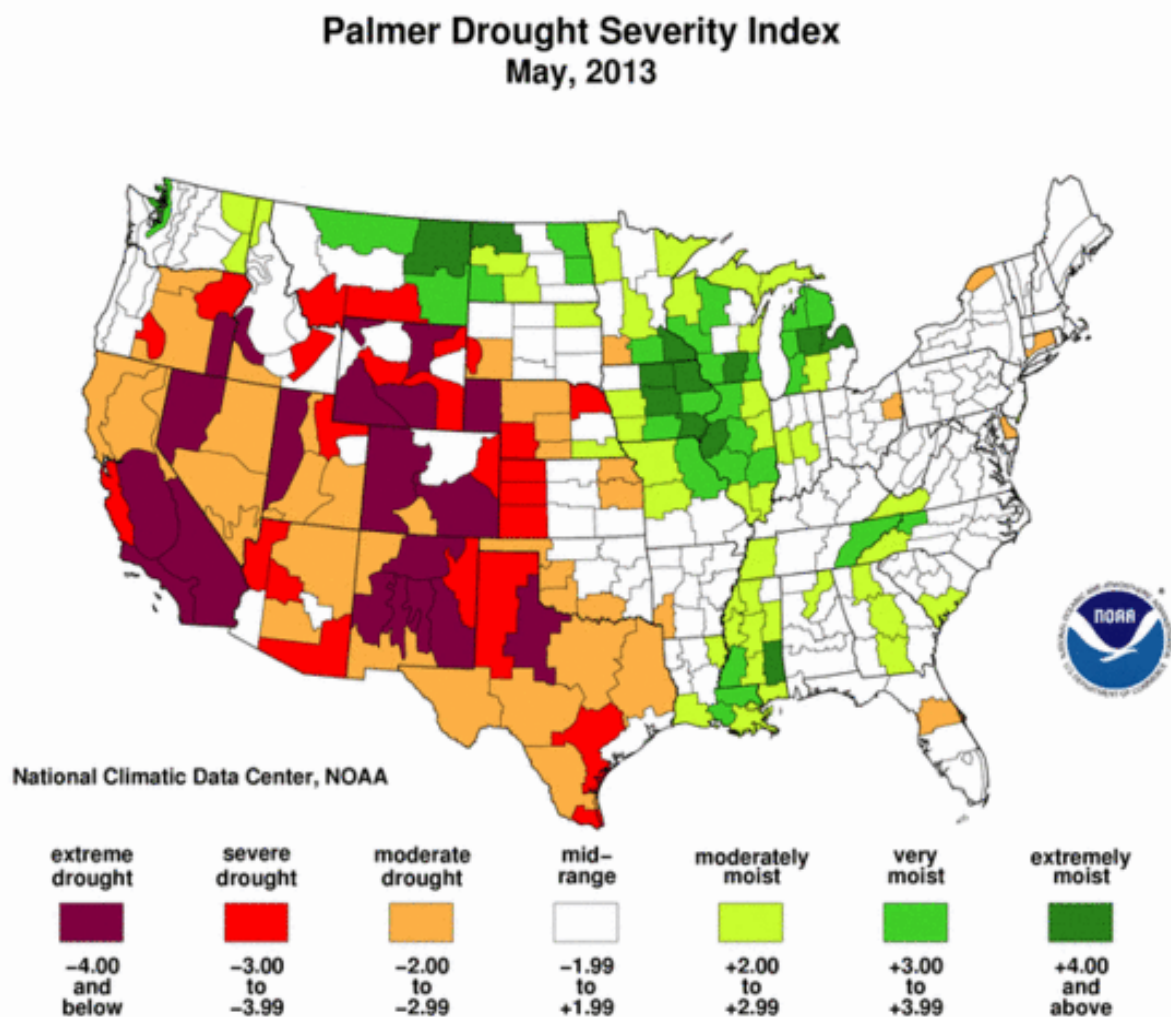
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Palmer Drought Severity Index



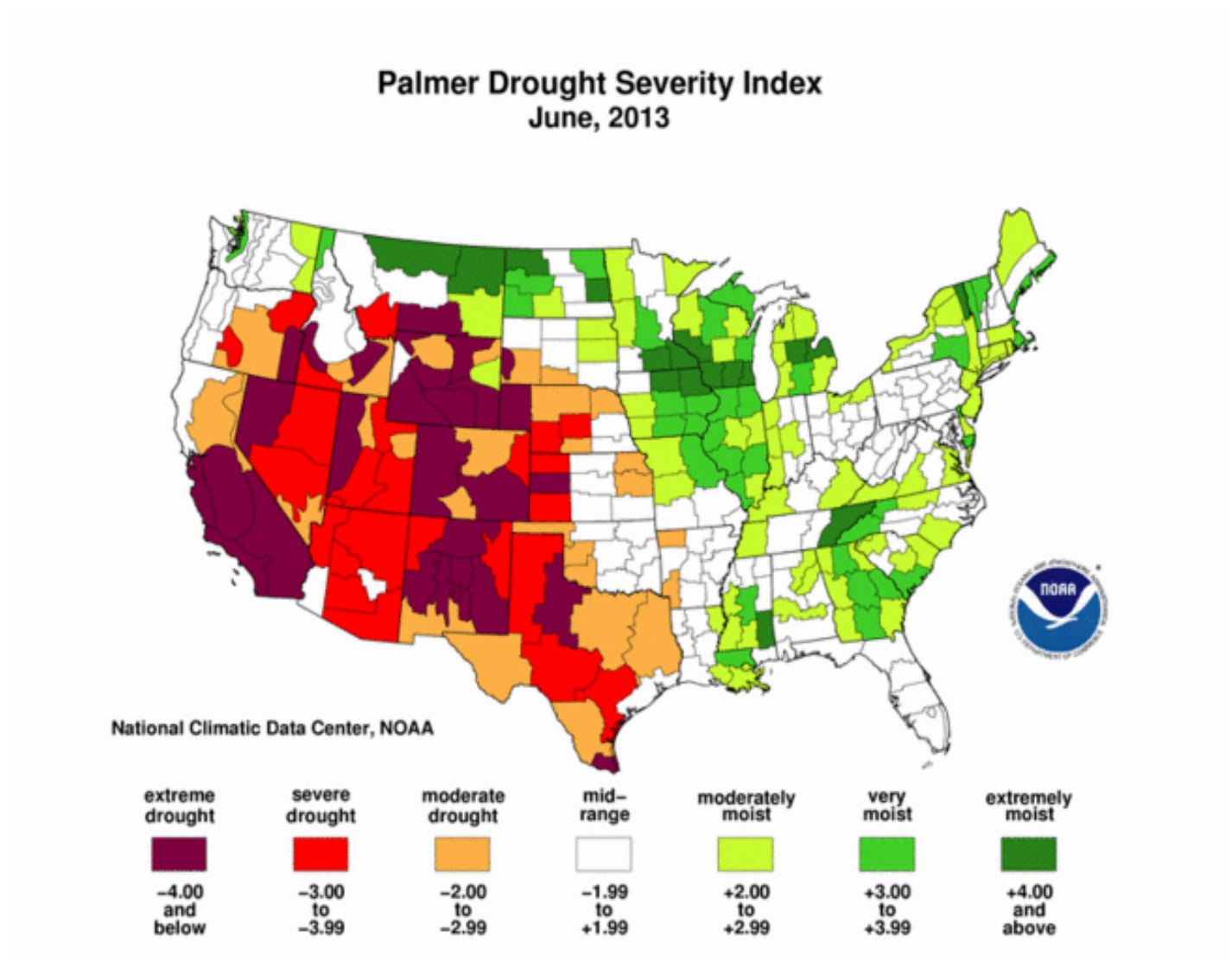
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Palmer Drought Severity Index



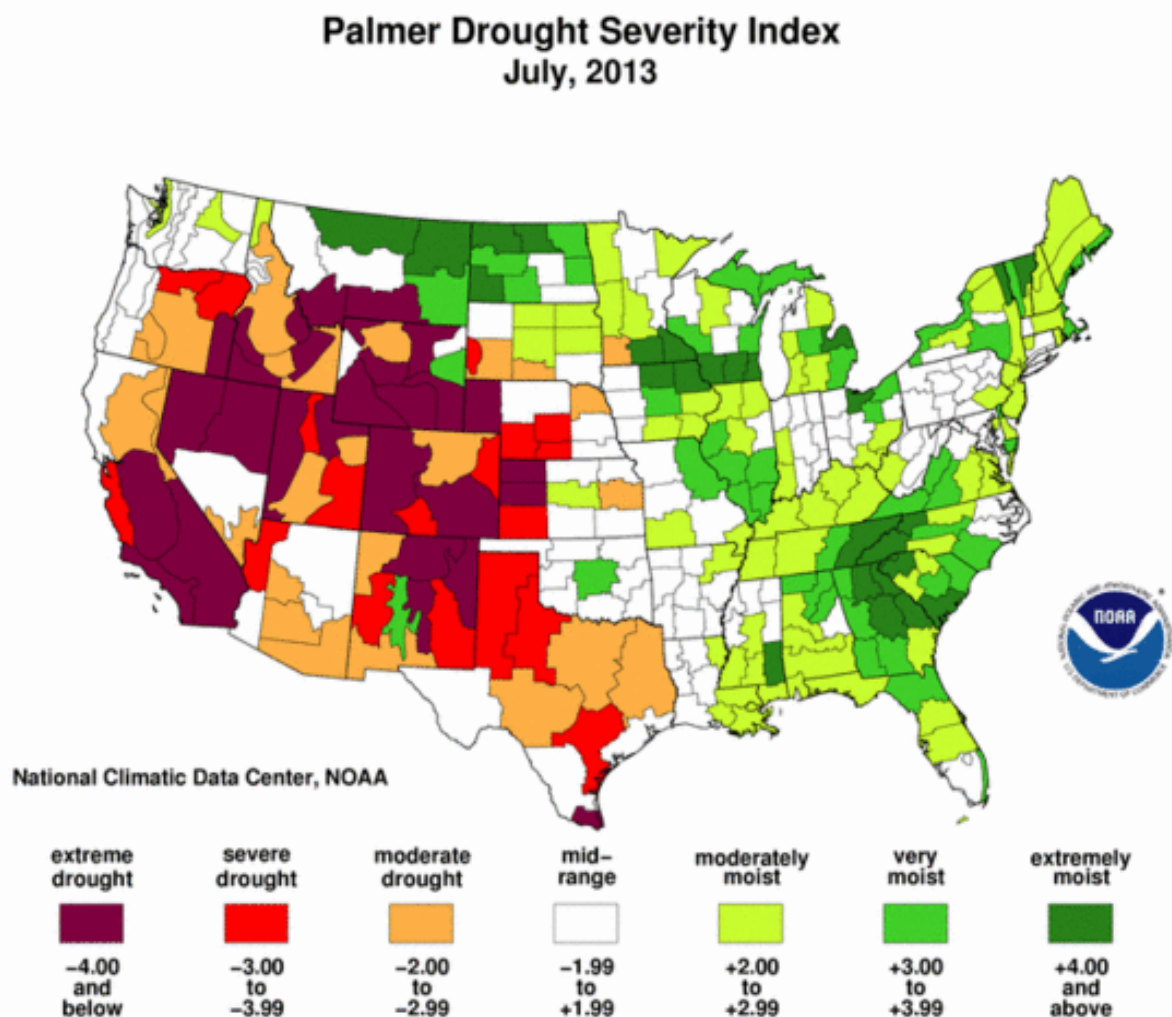
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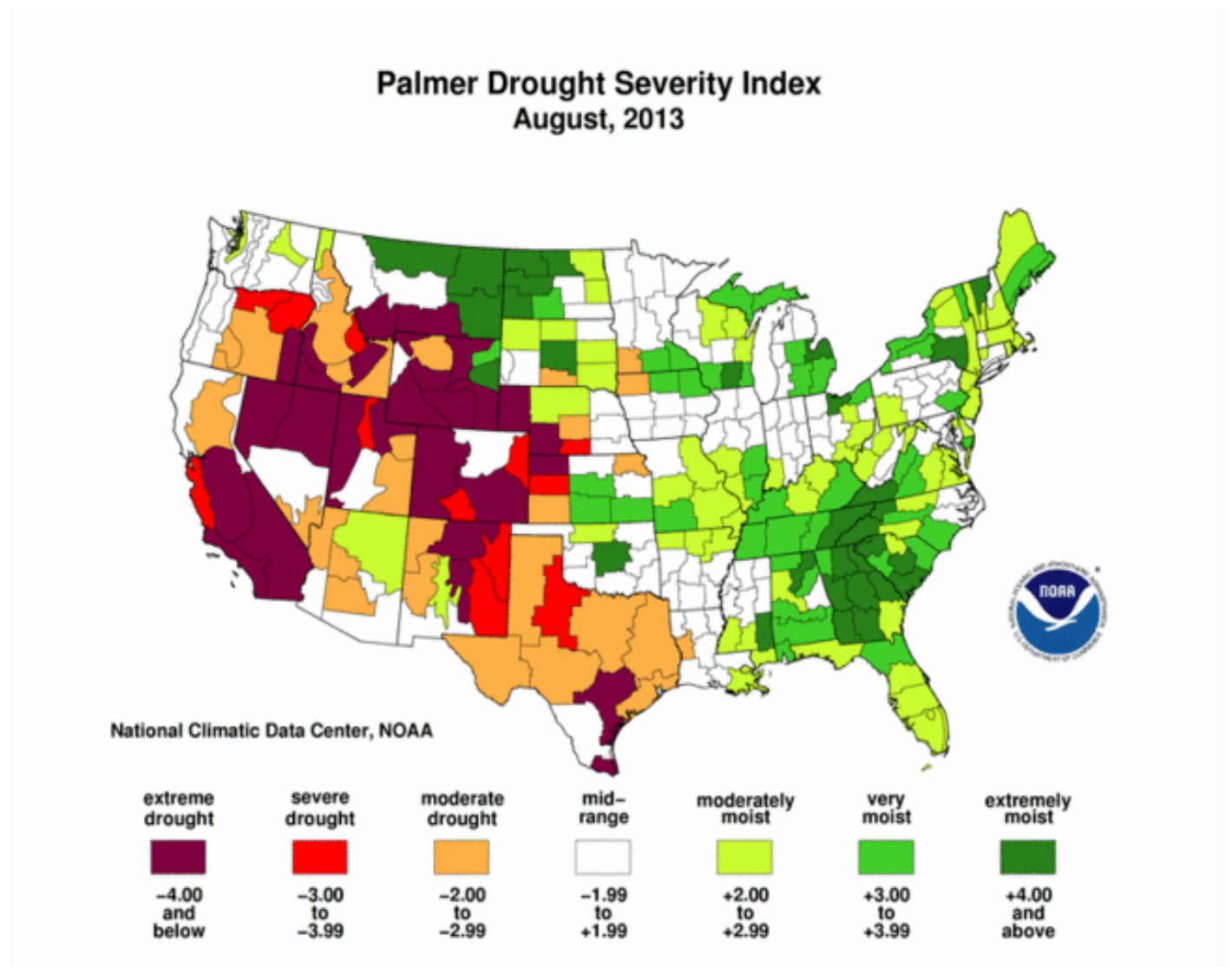
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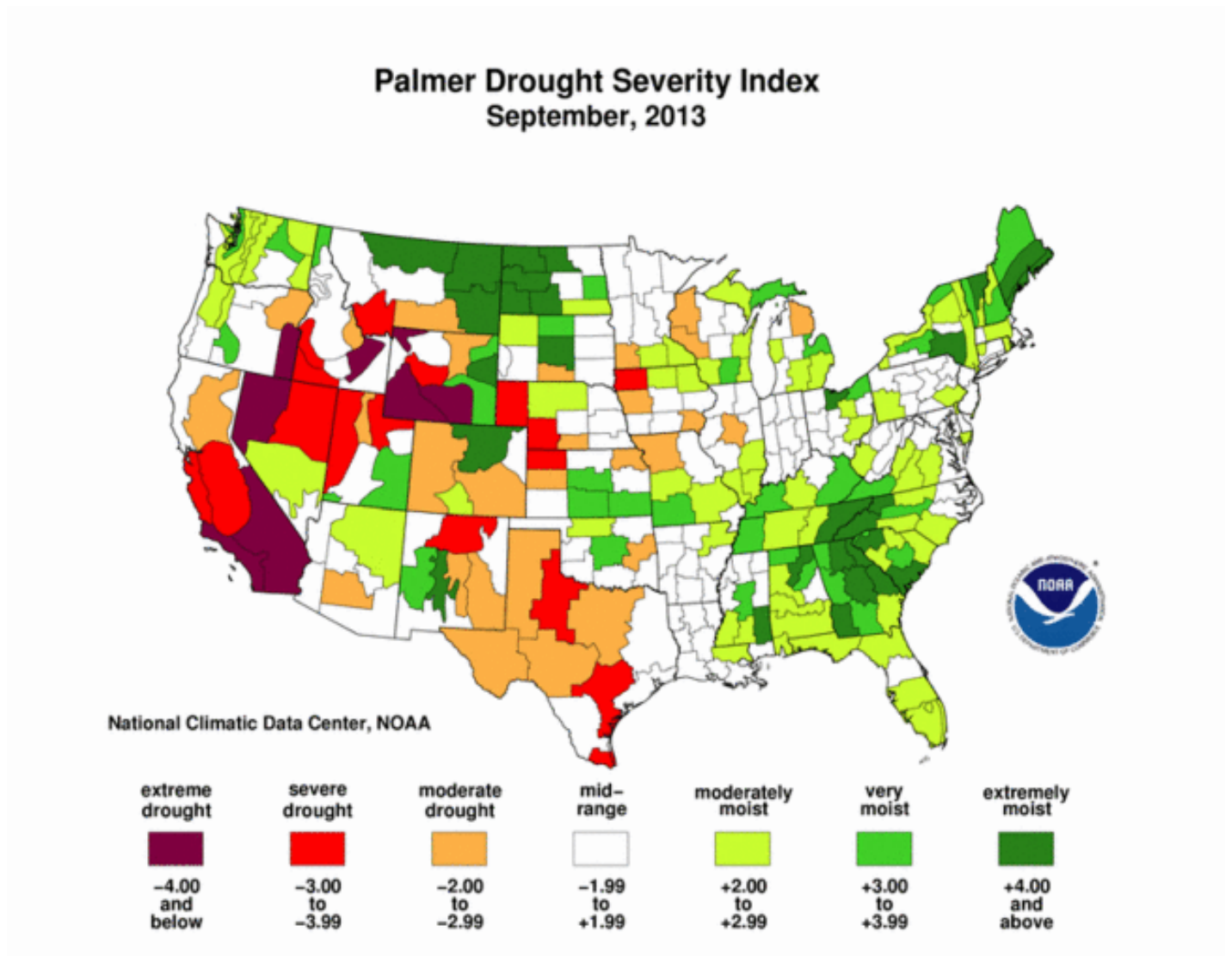
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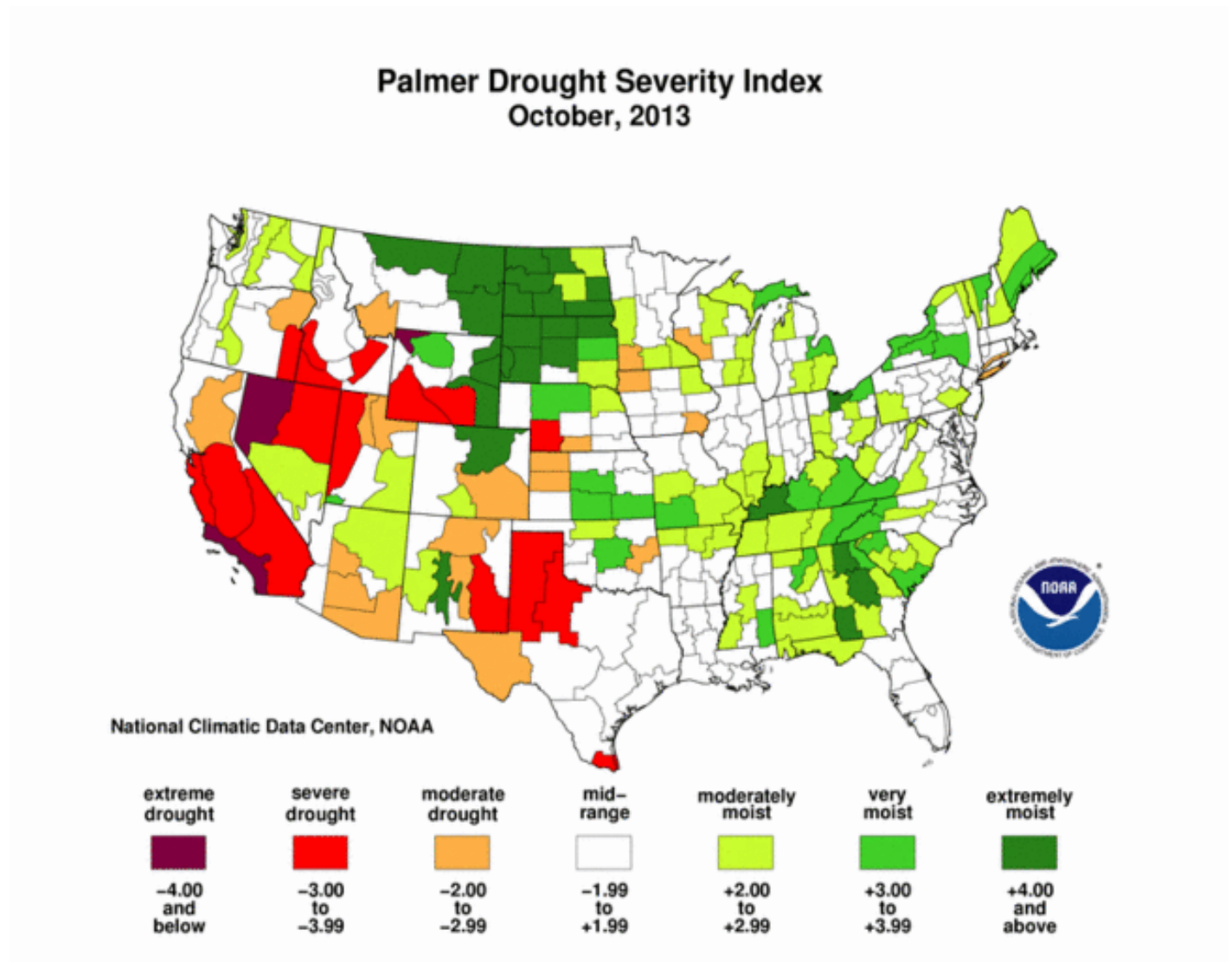
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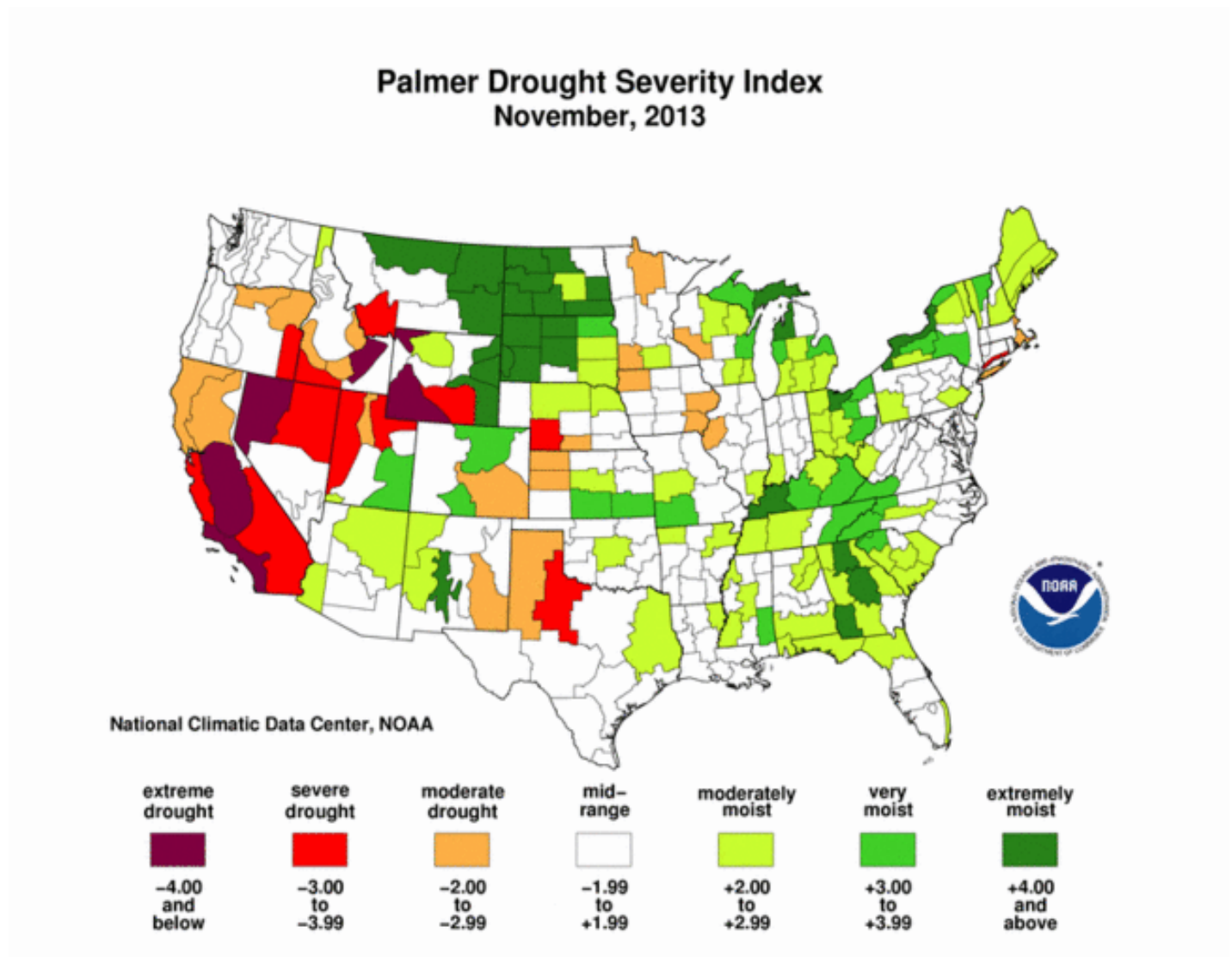
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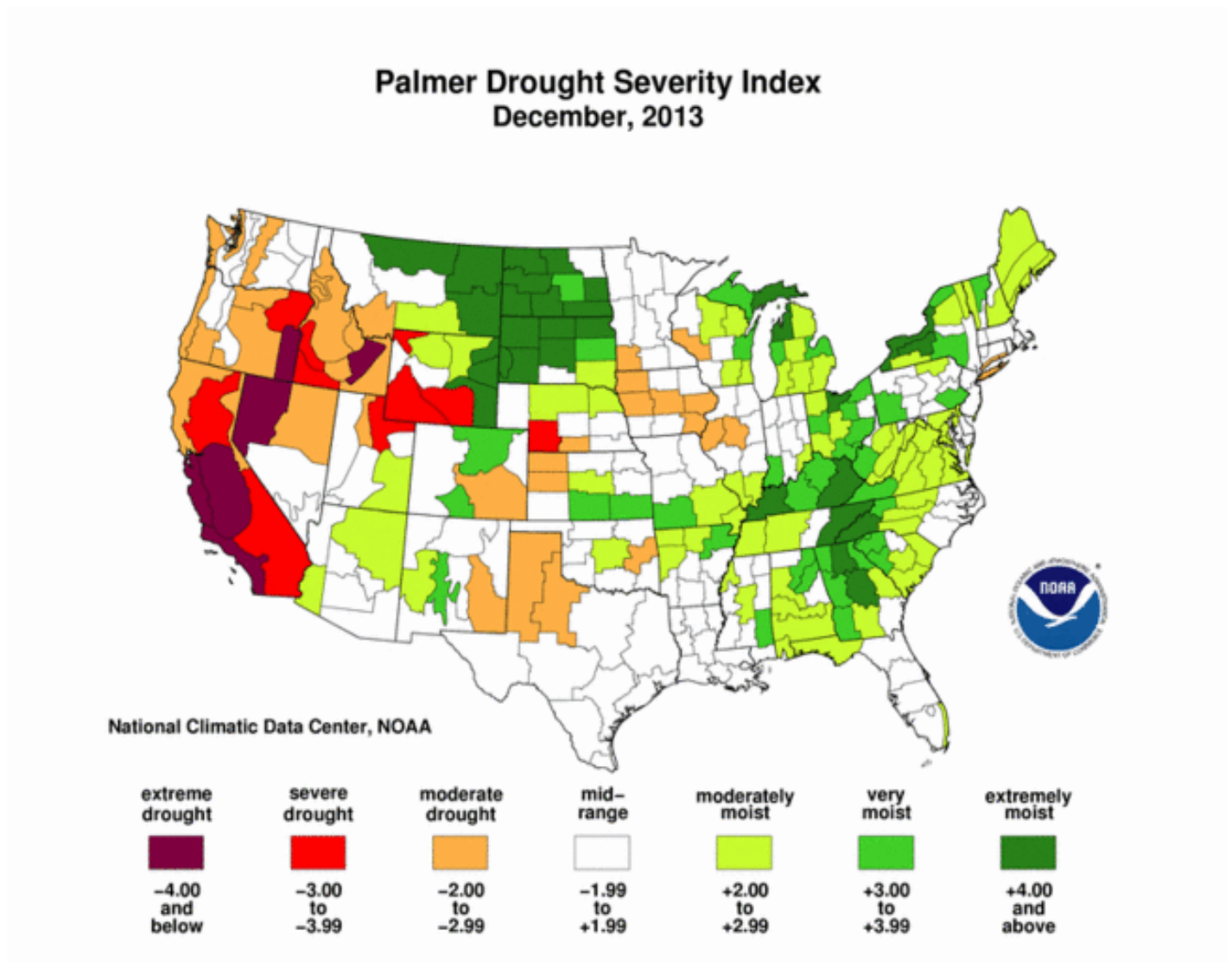
Appendix C

Palmer Drought Severity Index



Appendix C

Palmer Drought Severity Index



Appendix D

“Situation Report” January, 2013



DROUGHT PREPAREDNESS COUNCIL

RICK PERRY
Governor

5805 N. Lamar Blvd.
P.O. Box 4087
Austin, Texas 78773-0220
Phone: (512) 424-2138
Fax: (512) 424-2444

W. NIM KIDD
Council Chairperson

January 21, 2013

TO: The Honorable Rick Perry, Governor, State of Texas
The Honorable David Dewhurst, Lieutenant Governor, State of Texas
Mr. John Steen, Secretary of State, State of Texas
The Honorable Steve Ogden, President Pro-Tempore of the Senate, State of Texas
The Honorable Joe Straus, Speaker of the House, State of Texas
The Honorable Steve Ogden, Chairman, Senate Finance Committee, State of Texas
The Honorable Troy Fraser, Chairman, Senate Natural Resources Committee, State of Texas
The Honorable Tommy Williams, Chairman, Senate Committee on Transportation & Homeland Security, State of Texas
The Honorable Jim Pitts, Chairman, House Appropriations Committee, State of Texas
The Honorable Allan Ritter, Chairman, House Natural Resources Committee, State of Texas
The Honorable Rick Hardcastle, Chairman, House Agriculture & Livestock Committee, State of Texas
The Honorable Pete Gallego, Chairman, House Criminal Jurisprudence Committee, State of Texas
Mr. Jeff Boyd, Chief of Staff, Office of the Governor
Mr. Steven McCraw, Director, Texas Department of Public Safety

FROM: Assistant Director Nim Kidd, Texas Division of Emergency Management

SUBJECT: Statewide Drought Situation Report

Nim Kidd, Chairman
Texas Division of Emergency Mgmt

Brenner Brown, Member
Texas Water Development Board

Richard Egg, Member
State Soil & Water Conservation Board

Lance Williams, Member
Texas Department of Agriculture

Dr. Travis Miller, Member
Texas A&M AgriLife Extension Service

David Bradsby, Member
Texas Parks & Wildlife Department

Gilbert Jordan, Member
Texas Department of Transportation

David A. Van Dresar, Member
Texas Alliance of Groundwater Districts

Suzanne Burnham, Member
Texas Department of State Health Services

Chris Loft, Member
Texas Commission on Environmental Quality

Tad Curtis, Member
Office of the Governor
Economic Development & Tourism

Dr. John W. Nielsen-Gammon, Member
Office of the State Climatologist

Michael Dunivan, Member
Texas Forest Service

Marisa Callan, Member
Texas Department of Housing and Community Affairs

Appendix D

“Situation Report” February, 2013



DROUGHT PREPAREDNESS COUNCIL

RICK PERRY
Governor

5805 N. Lamar Blvd.
P.O. Box 4087
Austin, Texas 78773-0220
Phone: (512) 424-2138
Fax: (512) 424-2444

W. NIM KIDD
Council Chairperson

February 27, 2013

TO: The Honorable Rick Perry, Governor, State of Texas
The Honorable David Dewhurst, Lieutenant Governor, State of Texas
Mr. John Steen, Secretary of State, State of Texas
The Honorable Leticia R. Van de Putte, President Pro-Tempore of the Senate, State of Texas
The Honorable Joe Straus, Speaker of the House, State of Texas
The Honorable Tommy Williams, Chairman, Senate Finance Committee, State of Texas
The Honorable Troy Fraser, Chairman, Senate Natural Resources Committee, State of Texas
The Honorable Craig Estes, Chairman, Senate Committee on Agriculture, Rural Affairs & Homeland Security, State of Texas
The Honorable Joseph Pickett, Chairman, House Committee on Homeland Security & Public Safety, State of Texas
The Honorable Jim Pitts, Chairman, House Appropriations Committee, State of Texas
The Honorable Allan Ritter, Chairman, House Natural Resources Committee, State of Texas
The Honorable Tracy O. King, Chairman, House Agriculture & Livestock Committee, State of Texas
The Honorable Abel Herrero, Chairman, House Criminal Jurisprudence Committee, State of Texas
Mr. Jeff Boyd, Chief of Staff, Office of the Governor
Mr. Steven McCraw, Director, Texas Department of Public Safety

FROM: Assistant Director Nim Kidd, Texas Division of Emergency Management

SUBJECT: Statewide Drought Situation Report

Nim Kidd, Chairman Texas Division of Emergency Mgmt	Brenner Brown, Member Texas Water Development Board	Richard Egg, Member State Soil & Water Conservation Board
Lance Williams, Member Texas Department of Agriculture	Dr. Travis Miller, Member Texas A&M AgriLife Extension Service	David Bradsby, Member Texas Parks & Wildlife Department
Gilbert Jordan, Member Texas Department of Transportation	David A. Van Dresar, Member Texas Alliance of Groundwater Districts	Suzanne Burnham, Member Texas Department of State Health Services
Chris Loft, Member Texas Commission on Environmental Quality	Tad Curtis, Member Office of the Governor Economic Development & Tourism	Dr. John W. Nielsen-Gammon, Member Office of the State Climatologist
Michael Dunivan, Member Texas Forest Service		Marisa Callan, Member Texas Department of Housing and Community Affairs

Appendix D

“Situation Report” March, 2013



DROUGHT PREPAREDNESS COUNCIL

RICK PERRY
Governor

5805 N. Lamar Blvd.
P.O. Box 4087
Austin, Texas 78773-0220
Phone: (512) 424-2138

W. NIM KIDD
Council Chairperson

March 20, 2013

TO: The Honorable Rick Perry, Governor, State of Texas
The Honorable David Dewhurst, Lieutenant Governor, State of Texas
Mr. John Steen, Secretary of State, State of Texas
The Honorable Leticia R. Van de Putte, President Pro-Tempore of the Senate, State of Texas
The Honorable Joe Straus, Speaker of the House, State of Texas
The Honorable Tommy Williams, Chairman, Senate Finance Committee, State of Texas
The Honorable Troy Fraser, Chairman, Senate Natural Resources Committee, State of Texas
The Honorable Craig Estes, Chairman, Senate Committee on Agriculture, Rural Affairs & Homeland Security, State of Texas
The Honorable Joseph Pickett, Chairman, House Committee on Homeland Security & Public Safety, State of Texas
The Honorable Jim Pitts, Chairman, House Appropriations Committee, State of Texas
The Honorable Allan Ritter, Chairman, House Natural Resources Committee, State of Texas
The Honorable Tracy O. King, Chairman, House Agriculture & Livestock Committee, State of Texas
The Honorable Abel Herrero, Chairman, House Criminal Jurisprudence Committee, State of Texas
Mr. Jeff Boyd, Chief of Staff, Office of the Governor
Mr. Steven McCraw, Director, Texas Department of Public Safety

FROM: Assistant Director Nim Kidd, Texas Division of Emergency Management

SUBJECT: Statewide Drought Situation Report

Nim Kidd, Chairman Texas Division of Emergency Mgmt	Brenner Brown, Member Texas Water Development Board	Richard Egg, Member State Soil & Water Conservation Board
Lance Williams, Member Texas Department of Agriculture	Dr. Travis Miller, Member Texas A&M AgriLife Extension Service	David Bradsby, Member Texas Parks & Wildlife Department
Gilbert Jordan, Member Texas Department of Transportation	David A. Van Dresar, Member Texas Alliance of Groundwater Districts	Suzanne Burnham, Member Texas Department of State Health Services
Chris Loft, Member Texas Commission on Environmental Quality	Tad Curtis, Member Office of the Governor Economic Development & Tourism	Dr. John W. Nielsen-Gammon, Member Office of the State Climatologist
Michael Dunivan, Member Texas Forest Service		Marisa Callan, Member Texas Department of Housing and Community Affairs

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“Situation Report” April, 2013



DROUGHT PREPAREDNESS COUNCIL

RICK PERRY
Governor

5805 N. Lamar Blvd.
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Austin, Texas 78773-0220
Phone: (512) 424-2138

W. NIM KIDD
Council Chairperson

April 17, 2013

TO: The Honorable Rick Perry, Governor, State of Texas
The Honorable David Dewhurst, Lieutenant Governor, State of Texas
Mr. John Steen, Secretary of State, State of Texas
The Honorable Leticia R. Van de Putte, President Pro-Tempore of the Senate, State of Texas
The Honorable Joe Straus, Speaker of the House, State of Texas
The Honorable Tommy Williams, Chairman, Senate Finance Committee, State of Texas
The Honorable Troy Fraser, Chairman, Senate Natural Resources Committee, State of Texas
The Honorable Craig Estes, Chairman, Senate Committee on Agriculture, Rural Affairs & Homeland Security, State of Texas
The Honorable Joseph Pickett, Chairman, House Committee on Homeland Security & Public Safety, State of Texas
The Honorable Jim Pitts, Chairman, House Appropriations Committee, State of Texas
The Honorable Allan Ritter, Chairman, House Natural Resources Committee, State of Texas
The Honorable Tracy O. King, Chairman, House Agriculture & Livestock Committee, State of Texas
The Honorable Abel Herrero, Chairman, House Criminal Jurisprudence Committee, State of Texas
Mr. Jeff Boyd, Chief of Staff, Office of the Governor
Mr. Steven McCraw, Director, Texas Department of Public Safety

FROM: Assistant Director Nim Kidd, Texas Division of Emergency Management

SUBJECT: Statewide Drought Situation Report

Nim Kidd, Chairman Texas Division of Emergency Mgmt	Brenner Brown, Member Texas Water Development Board	Richard Egg, Member State Soil & Water Conservation Board
Lance Williams, Member Texas Department of Agriculture	Dr. Travis Miller, Member Texas A&M AgriLife Extension Service	David Bradsby, Member Texas Parks & Wildlife Department
Gilbert Jordan, Member Texas Department of Transportation	David A. Van Dresar, Member Texas Alliance of Groundwater Districts	Suzanne Burnham, Member Texas Department of State Health Services
Chris Loft, Member Texas Commission on Environmental Quality	Tad Curtis, Member Office of the Governor Economic Development & Tourism	Dr. John W. Nielsen-Gammon, Member Office of the State Climatologist
Michael Dunivan, Member Texas Forest Service		Marisa Callan, Member Texas Department of Housing and Community Affairs

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“Situation Report” May, 2013



DROUGHT PREPAREDNESS COUNCIL

RICK PERRY
Governor

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P.O. Box 4087
Austin, Texas 78773-0220
Phone: (512) 424-2138

W. NIM KIDD
Council Chairperson

May 22, 2013

TO: The Honorable Rick Perry, Governor, State of Texas

The Honorable David Dewhurst, Lieutenant Governor, State of Texas
Mr. John Steen, Secretary of State, State of Texas
The Honorable Leticia R. Van de Putte, President Pro-Tempore of the Senate, State of Texas
The Honorable Joe Straus, Speaker of the House, State of Texas
The Honorable Tommy Williams, Chairman, Senate Finance Committee, State of Texas
The Honorable Troy Fraser, Chairman, Senate Natural Resources Committee, State of Texas
The Honorable Craig Estes, Chairman, Senate Committee on Agriculture, Rural Affairs & Homeland Security, State of Texas
The Honorable Joseph Pickett, Chairman, House Committee on Homeland Security & Public Safety, State of Texas
The Honorable Jim Pitts, Chairman, House Appropriations Committee, State of Texas
The Honorable Allan Ritter, Chairman, House Natural Resources Committee, State of Texas
The Honorable Tracy O. King, Chairman, House Agriculture & Livestock Committee, State of Texas
The Honorable Abel Herrero, Chairman, House Criminal Jurisprudence Committee, State of Texas
Mr. Jeff Boyd, Chief of Staff, Office of the Governor
Mr. Steven McCraw, Director, Texas Department of Public Safety

FROM: Assistant Director Nim Kidd, Texas Division of Emergency Management

SUBJECT: Statewide Drought Situation Report

Nim Kidd, Chairman Texas Division of Emergency Mgmt	Brenner Brown, Member Texas Water Development Board	Richard Egg, Member State Soil & Water Conservation Board
Lance Williams, Member Texas Department of Agriculture	Dr. Travis Miller, Member Texas A&M AgriLife Extension Service	David Bradsby, Member Texas Parks & Wildlife Department
Gilbert Jordan, Member Texas Department of Transportation	David A. Van Dresar, Member Texas Alliance of Groundwater Districts	Suzanne Burnham, Member Texas Department of State Health Services
Chris Loft, Member Texas Commission on Environmental Quality	Tad Curtis, Member Office of the Governor Economic Development & Tourism	Dr. John W. Nielsen-Gammon, Member Office of the State Climatologist
Michael Dunivan, Member Texas Forest Service		Marisa Callan, Member Texas Department of Housing and Community Affairs

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“Situation Report” June, 2013



DROUGHT PREPAREDNESS COUNCIL

RICK PERRY
Governor

5805 N. Lamar Blvd.
P.O. Box 4087
Austin, Texas 78773-0220
Phone: (512) 424-2138

W. NIM KIDD
Council Chairperson

June 21, 2013

TO: The Honorable Rick Perry, Governor, State of Texas
The Honorable David Dewhurst, Lieutenant Governor, State of Texas
Mr. John Steen, Secretary of State, State of Texas
The Honorable Leticia R. Van de Putte, President Pro-Tempore of the Senate, State of Texas
The Honorable Joe Straus, Speaker of the House, State of Texas
The Honorable Tommy Williams, Chairman, Senate Finance Committee, State of Texas
The Honorable Troy Fraser, Chairman, Senate Natural Resources Committee, State of Texas
The Honorable Craig Estes, Chairman, Senate Committee on Agriculture, Rural Affairs & Homeland Security, State of Texas
The Honorable Joseph Pickett, Chairman, House Committee on Homeland Security & Public Safety, State of Texas
The Honorable Jim Pitts, Chairman, House Appropriations Committee, State of Texas
The Honorable Allan Ritter, Chairman, House Natural Resources Committee, State of Texas
The Honorable Tracy O. King, Chairman, House Agriculture & Livestock Committee, State of Texas
The Honorable Abel Herrero, Chairman, House Criminal Jurisprudence Committee, State of Texas
Mr. Jeff Boyd, Chief of Staff, Office of the Governor
Mr. Steven McCraw, Director, Texas Department of Public Safety

FROM: Assistant Director Nim Kidd, Texas Division of Emergency Management

SUBJECT: Statewide Drought Situation Report

Nim Kidd, Chairman Texas Division of Emergency Mgmt	Brenner Brown, Member Texas Water Development Board	Richard Egg, Member State Soil & Water Conservation Board
Lance Williams, Member Texas Department of Agriculture	Dr. Travis Miller, Member Texas A&M AgriLife Extension Service	David Bradsby, Member Texas Parks & Wildlife Department
Gilbert Jordan, Member Texas Department of Transportation	David A. Van Dresar, Member Texas Alliance of Groundwater Districts	Suzanne Burnham, Member Texas Department of State Health Services
Chris Loft, Member Texas Commission on Environmental Quality	Tad Curtis, Member Office of the Governor Economic Development & Tourism	Dr. John W. Nielsen-Gammon, Member Office of the State Climatologist
Michael Dunivan, Member Texas Forest Service		Marisa Callan, Member Texas Department of Housing and Community Affairs

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“Situation Report” July, 2013



DROUGHT PREPAREDNESS COUNCIL

RICK PERRY
Governor

5805 N. Lamar Blvd.
P.O. Box 4087
Austin, Texas 78773-0220
Phone: (512) 424-2138

W. NIM KIDD
Council Chairperson

July 18, 2013

TO: The Honorable Rick Perry, Governor, State of Texas
The Honorable David Dewhurst, Lieutenant Governor, State of Texas
Mr. John Steen, Secretary of State, State of Texas
The Honorable Leticia R. Van de Putte, President Pro-Tempore of the Senate, State of Texas
The Honorable Joe Straus, Speaker of the House, State of Texas
The Honorable Tommy Williams, Chairman, Senate Finance Committee, State of Texas
The Honorable Troy Fraser, Chairman, Senate Natural Resources Committee, State of Texas
The Honorable Craig Estes, Chairman, Senate Committee on Agriculture, Rural Affairs & Homeland Security, State of Texas
The Honorable Joseph Pickett, Chairman, House Committee on Homeland Security & Public Safety, State of Texas
The Honorable Jim Pitts, Chairman, House Appropriations Committee, State of Texas
The Honorable Allan Ritter, Chairman, House Natural Resources Committee, State of Texas
The Honorable Tracy O. King, Chairman, House Agriculture & Livestock Committee, State of Texas
The Honorable Abel Herrero, Chairman, House Criminal Jurisprudence Committee, State of Texas
Mr. Jeff Boyd, Chief of Staff, Office of the Governor
Mr. Steven McCraw, Director, Texas Department of Public Safety

FROM: Assistant Director Nim Kidd, Texas Division of Emergency Management

SUBJECT: Statewide Drought Situation Report

Nim Kidd, Chairman Texas Division of Emergency Mgmt	Brenner Brown, Member Texas Water Development Board	Richard Egg, Member State Soil & Water Conservation Board
Lance Williams, Member Texas Department of Agriculture	Dr. Travis Miller, Member Texas A&M AgriLife Extension Service	David Bradsby, Member Texas Parks & Wildlife Department
Gilbert Jordan, Member Texas Department of Transportation	David A. Van Dresar, Member Texas Alliance of Groundwater Districts	Shannon Smalls, Member Texas Department of State Health Services
Chris Loft, Member Texas Commission on Environmental Quality	Tad Curtis, Member Office of the Governor Economic Development & Tourism	Dr. John W. Nielsen-Gammon, Member Office of the State Climatologist
Michael Dunivan, Member Texas Forest Service		Marisa Callan, Member Texas Department of Housing and Community Affairs

Appendix D

“Situation Report” August, 2013



DROUGHT PREPAREDNESS COUNCIL

RICK PERRY
Governor

5805 N. Lamar Blvd.
P.O. Box 4087
Austin, Texas 78773-0220
Phone: (512) 424-2138

W. NIM KIDD
Council Chairperson

August 23, 2013

TO: The Honorable Rick Perry, Governor, State of Texas
The Honorable David Dewhurst, Lieutenant Governor, State of Texas
Mr. John Steen, Secretary of State, State of Texas
The Honorable Leticia R. Van de Putte, President Pro-Tempore of the Senate, State of Texas
The Honorable Joe Straus, Speaker of the House, State of Texas
The Honorable Tommy Williams, Chairman, Senate Finance Committee, State of Texas
The Honorable Troy Fraser, Chairman, Senate Natural Resources Committee, State of Texas
The Honorable Craig Estes, Chairman, Senate Committee on Agriculture, Rural Affairs & Homeland Security, State of Texas
The Honorable Joseph Pickett, Chairman, House Committee on Homeland Security & Public Safety, State of Texas
The Honorable Jim Pitts, Chairman, House Appropriations Committee, State of Texas
The Honorable Allan Ritter, Chairman, House Natural Resources Committee, State of Texas
The Honorable Tracy O. King, Chairman, House Agriculture & Livestock Committee, State of Texas
The Honorable Abel Herrero, Chairman, House Criminal Jurisprudence Committee, State of Texas
Mr. Jeff Boyd, Chief of Staff, Office of the Governor
Mr. Steven McCraw, Director, Texas Department of Public Safety

FROM: Assistant Director Nim Kidd, Texas Division of Emergency Management

SUBJECT: Statewide Drought Situation Report

Nim Kidd, Chairman Texas Division of Emergency Mgmt	Brenner Brown, Member Texas Water Development Board	Richard Egg, Member State Soil & Water Conservation Board
Lance Williams, Member Texas Department of Agriculture	Dr. Travis Miller, Member Texas A&M AgriLife Extension Service	David Bradsby, Member Texas Parks & Wildlife Department
Gilbert Jordan, Member Texas Department of Transportation	David A. Van Dresar, Member Texas Alliance of Groundwater Districts	Shannon Smalls, Member Texas Department of State Health Services
Chris Loft, Member Texas Commission on Environmental Quality	Tad Curtis, Member Office of the Governor Economic Development & Tourism	Dr. John W. Nielsen-Gammon, Member Office of the State Climatologist
Michael Dunivan, Member Texas Forest Service		Marisa Callan, Member Texas Department of Housing and Community Affairs

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“Situation Report” September, 2013



DROUGHT PREPAREDNESS COUNCIL

RICK PERRY
Governor

5805 N. Lamar Blvd.
P.O. Box 4087
Austin, Texas 78773-0220
Phone: (512) 424-2138

W. NIM KIDD
Council Chairperson

September 27, 2013

TO: The Honorable Rick Perry, Governor, State of Texas
The Honorable David Dewhurst, Lieutenant Governor, State of Texas
Mr. John Steen, Secretary of State, State of Texas
The Honorable Leticia R. Van de Putte, President Pro-Tempore of the Senate, State of Texas
The Honorable Joe Straus, Speaker of the House, State of Texas
The Honorable Tommy Williams, Chairman, Senate Finance Committee, State of Texas
The Honorable Troy Fraser, Chairman, Senate Natural Resources Committee, State of Texas
The Honorable Craig Estes, Chairman, Senate Committee on Agriculture, Rural Affairs & Homeland Security, State of Texas
The Honorable Joseph Pickett, Chairman, House Committee on Homeland Security & Public Safety, State of Texas
The Honorable Jim Pitts, Chairman, House Appropriations Committee, State of Texas
The Honorable Allan Ritter, Chairman, House Natural Resources Committee, State of Texas
The Honorable Tracy O. King, Chairman, House Agriculture & Livestock Committee, State of Texas
The Honorable Abel Herrero, Chairman, House Criminal Jurisprudence Committee, State of Texas
Mr. Jeff Boyd, Chief of Staff, Office of the Governor
Mr. Steven McCraw, Director, Texas Department of Public Safety

FROM: Assistant Director Nim Kidd, Texas Division of Emergency Management

SUBJECT: Statewide Drought Situation Report

Nim Kidd, Chairman Texas Division of Emergency Mgmt	Brenner Brown, Member Texas Water Development Board	Mel Davis, Member State Soil & Water Conservation Board
Lance Williams, Member Texas Department of Agriculture	Dr. Travis Miller, Member Texas A&M AgriLife Extension Service	David Bradsby, Member Texas Parks & Wildlife Department
Gilbert Jordan, Member Texas Department of Transportation	David A. Van Dresar, Member Texas Alliance of Groundwater Districts	Priscilla Boston, Member Texas Department of State Health Services
Chris Loft, Member Texas Commission on Environmental Quality	Tad Curtis, Member Office of the Governor Economic Development & Tourism	Dr. John W. Nielsen-Gammon, Member Office of the State Climatologist
Michael Dunivan, Member Texas A & M Forest Service		Marisa Callan, Member Texas Department of Housing and Community Affairs

Appendix D

“Situation Report” October, 2013

The Situation Report for October 2013 was not available on the Texas DPS website at the time this Annual Report was created. While it says October below, the October report is actually for November which is on the next page of this report.k

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State Drought Preparedness Council

- ▶ Drought Preparedness Council Overview (PDF)
- ▶ State Drought Preparedness Plan (PDF)
 - ▶ Annex A (PDF)
- ▶ Drought Preparedness Council 2009 Annual Report (PDF)
- ▶ Drought Assistance Directory (PDF)
- ▶ Council Members (PDF)

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October		

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News and Publications

- ▶ Texas AgriLife Extension Service – Drought Task Force
- ▶ When Every Drop Counts: Protecting Public Health During Drought Conditions — A Guide for Public Health Professionals
- ▶ Take the National Drought Mitigation Center (NDMC) Survey (PDF)

Drought Summary Information & Indices

- ▶ Keetch-Byram Drought Index – Interactive Texas Map
- ▶ Texas Drought Conditions – Office of the State Climatologist
- ▶ Drought Summary Information – Texas Water Development Board

Questions or comments for the State of Texas Drought Preparedness Council can be e-mailed to TDEM.DROUGHT@dps.texas.gov.



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“Situation Report” November, 2013



DROUGHT PREPAREDNESS COUNCIL

RICK PERRY
Governor

5805 N. Lamar Blvd.
P.O. Box 4087
Austin, Texas 78773-0220
Phone: (512) 424-2138

W. NIM KIDD
Council Chairperson

November 29, 2013

TO: The Honorable Rick Perry, Governor, State of Texas
The Honorable David Dewhurst, Lieutenant Governor, State of Texas
Mr. John Steen, Secretary of State, State of Texas
The Honorable Leticia R. Van de Putte, President Pro-Tempore of the Senate, State of Texas
The Honorable Joe Straus, Speaker of the House, State of Texas
The Honorable Tommy Williams, Chairman, Senate Finance Committee, State of Texas
The Honorable Troy Fraser, Chairman, Senate Natural Resources Committee, State of Texas
The Honorable Craig Estes, Chairman, Senate Committee on Agriculture, Rural Affairs & Homeland Security, State of Texas
The Honorable Joseph Pickett, Chairman, House Committee on Homeland Security & Public Safety, State of Texas
The Honorable Jim Pitts, Chairman, House Appropriations Committee, State of Texas
The Honorable Allan Ritter, Chairman, House Natural Resources Committee, State of Texas
The Honorable Tracy O. King, Chairman, House Agriculture & Livestock Committee, State of Texas
The Honorable Abel Herrero, Chairman, House Criminal Jurisprudence Committee, State of Texas
Mr. Jeff Boyd, Chief of Staff, Office of the Governor
Mr. Steven McCraw, Director, Texas Department of Public Safety

FROM: Assistant Director Nim Kidd, Texas Division of Emergency Management

SUBJECT: Statewide Drought Situation Report

Nim Kidd, Chairman Texas Division of Emergency Mgmt	Brenner Brown, Member Texas Water Development Board	Steven Bednarz, Member State Soil & Water Conservation Board
Lance Williams, Member Texas Department of Agriculture	Dr. Travis Miller, Member Texas A&M AgriLife Extension Service	David Bradsby, Member Texas Parks & Wildlife Department
Gilbert Jordan, Member Texas Department of Transportation	David A. Van Dresar, Member Texas Alliance of Groundwater Districts	Priscilla Boston, Member Texas Department of State Health Services
Chris Loft, Member Texas Commission on Environmental Quality	Tad Curtis, Member Office of the Governor Economic Development & Tourism	Dr. John W. Nielsen-Gammon, Member Office of the State Climatologist
Michael Dunivan, Member Texas A&M Forest Service	Regina Erales, Member Public Utility Commission of Texas	Marisa Callan, Member Texas Department of Housing and Community Affairs
Kent Saathoff, Member Electric Reliability Council of Texas		Oscar Fogle, Member William Masterson, Member Thomas M. Martine, Member

Appendix D

“Situation Report” December, 2013

The Situation Report for December 2013 was not available on the Texas DPS website at the time this Annual Report was created.

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State Drought Preparedness Council

- Drought Preparedness Council Overview (PDF)
- State Drought Preparedness Plan (PDF)
 - Annex A (PDF)
- Drought Preparedness Council 2009 Annual Report (PDF)
- Drought Assistance Directory (PDF)
- Council Members (PDF)

Situation Reports and Supporting Documents

Month (2013)	Situation Report	Additional Documents
May		
June		
July		
August		
September		
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Situation Report Archive

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News and Publications

- Texas AgriLife Extension Service – Drought Task Force
- When Every Drop Counts: Protecting Public Health During Drought Conditions — A Guide for Public Health Professionals
- Take the National Drought Mitigation Center (NDMC) Survey (PDF)

Drought Summary Information & Indices

- Keetch-Byram Drought Index – Interactive Texas Map
- Texas Drought Conditions – Office of the State Climatologist
- Drought Summary Information – Texas Water Development Board

Questions or comments for the State of Texas Drought Preparedness Council can be e-mailed to TDEM.DROUGHT@dps.texas.gov.

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