

2015 Annual Report

Hays Trinity Groundwater Conservation District

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2015 ANNUAL REPORT OF
HTGCD GOALS, MANAGEMENT OBJECTIVES & PERFORMANCE
STANDARDS

As required in the Hays Trinity Groundwater Conservation District bylaws (4.2, a) an annual report shall be provided to the Board of Directors by District staff on the status of the District and its programs. The Groundwater Management Plan, adopted by the District on March 28, 2011, serves as a guide for the District's annual reports. The 2015 annual report follows this format. Note, a revised 2016 Management Plan was adopted by the HTGCD Board of Directors on January 21, 2016 and has been submitted to the TWDB for approval. The 2016 Annual Report will track the new, 2016 Management Plan.

The Groundwater Management Plan describes a methodology for tracking progress in achieving management goals and provides for the preparation and presentation of an annual report to the Board of Directors.

1.0 Providing the most efficient use of groundwater

A District education and information sharing program covering local groundwater issues, will be continued.

1.1 Management Objective

Each year the District will hold at least one educational event.

1.1 Performance Standard

Each year a summary of the District's educational events will be included in the Annual Report. The following list identifies District participation in multiple educational, technical and community events.

Attended, participated, hosted or presented in the following events:

January 2015

Attended: Region K Water Planning Meeting

Participated: Trinity Management Meeting, Government Center

Participated: Meeting with EP, BSEACD and Plum Creek Groundwater District

Attended: BSEACD Board Meeting

Hosted: Meeting with local residents

February 2015

Attended: Rolling Oaks HOA Meeting

Attended: Austin Geological Society, Lecture

Participated: Government Center, Judge Cobb & Rep. Jason Isaac

Participated: Central Hays County Groundwater Study at BSEACD

Participated: Meeting with local citizens, Concrete Batch Plant, Rep Jason Isaac

Attended: Town Hall Meeting hosted by Rep. Jason Isaac

March 2015

Attended: Austin Geologic Society, Lecture

Participated: BSEACD Meeting with EP

Attended: TESP Meeting

Attended: Natural Resources Committee Meeting

April 2015

*Participated: Cypress Creek Project Meeting
Attended: Austin Geologic Society, Lecture
Presented: Hays County Commissioner's Court
Attended: BSEACD Open House, "Ask an Expert"
Attended: Natural Resources Committee Meeting*

May 2015

*Attended: Natural Resources Committee Meeting
Participated: Cypress Creek Watershed Protection Plan Meeting*

June 2015

*Attended: Investment Training Meeting
Participated: Groundwater Management Area 9 Meeting
Attended: Region L Water Planning Meeting*

July 2015

*Hosted: Meeting with Local citizens to discuss permitting process
Attended: BSEACD Board Meeting
Hosted: Meeting with local citizen, HTGCD video shown
Attended: Buda City Council Workshop*

August 2015

*Attended: Woodcreek City Council Meeting
Hosted: Meeting with local citizen HTGCD video shown
Attended: City of Austin Regional Waste Water Meeting
Attended: Texas Alliance of Groundwater Districts Meeting*

September 2015

*Attended: Hays County Commissioner's Court Meeting
Participated: Cypress Creek/Jacobs Well Spring Project, Technical Meeting
Participated: Meadows Center Meeting
Participated: Trinity Aquifer Hydrogeological Atlas Volume 2 Meeting
Hosted: HTGCD Educational Workshop, "Desired Future Conditions"
Participated: Groundwater Management Area 9 Meeting*

October 2015

*Attended: City of Austin Regional Waste Water Meeting
Participated: Groundwater Management Area 9 Meeting
Attended: Wimberley Water Supply Corporation Meeting*

November 2015

*Attended: Austin Geologic Society, lecture
Participated: Rainwater Revival Festival, information booth and display
Participated: City of Dripping Springs Meeting*

December 2015

*Attended: Austin Water Summit, University of Texas
Attended: Dripping Springs Water Supply Corporation Meeting
Participated: Cypress Creek Watershed Protection Project Meeting
Participated: Technical discussion "Unreasonable Impact", BSEACD Meeting*

The District produced two important educational videos in 2011, “Exploring the Trinity Aquifer” and “HTGCD Background”. Both videos are intended for public use and can be easily found on the District’s home page. These videos provide insight on the inner workings of the District and outline some basic hydrogeological concepts of the Trinity Aquifer System in Hays County. In 2015 the District publicized the availability of the videos in Board meetings and showed the videos at the District office for interested constituents.

During 2015, the District distributed drought sign-sets, including all three levels of drought stages. These sign-sets were handed out to permittees in hope to further reach-out to the public and HTGCD permit holders.

2.0 The District has a goal to implement measures for managing and preventing waste of groundwater.

2.1 Management Objectives

Each year the District will take complaints from any concerned citizen or entity in the district on cases of waste or possible waste.

2.1 Performance Standard

In each Annual Report, the District will include a discussion of the recent issues with waste and determine if any amendments to the rules are recommended to prevent the waste of groundwater.

Quarterly throughout 2015, District staff reported, during public meetings, to the Board of Directors on the topic of waste. See 3-Ringed binder, Section 2 for agenda items. No complaints were submitted to the District office concerning waste or possible waste during the year. The Board of Directors held a public Hearing on November 18, 2015 to review and approve the latest revision of District rules including waste and unaccounted for water within Rule 10. The Board of Directors ruled to remove a penalty concerning exceeding 15% of unaccounted for water. The new rules became effective December 1, 2015 and have been posted on the District’s website under Quick Links / Regulatory.

The District relies on the on-line Quarterly Reporting process, see the pumpage report on the following page, that allows all HTGCD operating permit holders instant access to enter and review their own production, sales, connections and percent losses. Communication concerning loss is tied directly to each quarterly report. This gives the permit holder and the District an electronic record of reasons for loss including: line-breaks, meter replacement, fires or flushing.

Quarterly Pumpage Report

Forms | My Profile | Log off

Non-Exempt Well - Quarterly Reporting - FORM #: 2009-1A

Permit Holder

Cedar Oak Mesa WSC

Year 2015

Quarter 4th Qtr (October - December)

Go

Water Level Information		October		November		December	
Well Id / Name	Water Level	Water Level Date	Water Level	Water Level Date	Water Level	Water Level Date	Water Level Date
Cedar Oak Mesa WSC	169	10/31/2015	102	11/30/2015	79	12/31/2015	
<input type="button" value="Add Another Well"/> <input type="button" value="Remove Well"/>							
	YTD Totals	Qtr Totals	October	November	December		
Groundwater Pumped Total	7,983,600	1,807,300	613,000	646,900	547,400		
Other Water Sources	0	0	0	0	0		
Sold / Used	6,993,430	1,558,000	555,790	530,090	472,120		
Total # Service Connections			203	203	203		
New Service Connections			0	0	0		
Notes / Comments, New Connection Addresses							
Loss	990,170	249,300	57,210	116,810	75,280		
Loss Percent	12.4 %	13.79 %	9.33 %	18.06 %	13.75 %		
Explain Loss				COMWSC sustained many leaks this month.			

3.0 The Control and Prevention of subsidence.

The rigid geologic framework of the region precludes significant subsidence from occurring. Therefore, this goal is not applicable to the operations of this District.

4.0 Addressing conjunctive surface water management issues.

4.1 Management Objective

To promote the use of surface water or other alternatives to groundwater in growing areas where groundwater demand is projected to reduce stream and spring flow to unacceptable levels.

4.1 Performance Standard

The District will strive to meet with the planning departments of major surface water providers within the District at least once per year. The District will summarize these meetings and their outcomes in the Annual Report.

Major Surface water suppliers:

West Travis County Public Utility Agency (WTCPUA): A meeting was held with General Manager Don Rauschuber concerning an overview, exchange of ideas and responsibilities between the two agencies. Summary of hosted meeting provided, see 3-Ringed binder, Section 2.

Dripping Springs Water Supply Corporation (DSWSC): A meeting was held with General Manager Greg Perrin concerning an over view, exchange of ideas and responsibilities between the two agencies. Summary of hosted meeting provided, see 3-Ring binder, Section 2.

Additional meetings concerning surface water

Groundwater Management Area 9 (GMA9): The District's participation in numerous group meetings dealing specifically with modeled available groundwater and future groundwater issues; namely the Desired Future Conditions (DFC).

Promotion of rainwater collection vs. groundwater drilling: Speaking directly to the end user at the District office and during all HTGCD Board meeting announcements. Participation in "Rainwater Revival" on November 7, 2016, with booth display and discussions.

5.0 Addressing natural resource issues that impact the use and availability of groundwater or are impacted by the use of groundwater.

5.1 Management Objective

Each year the District will make at least one endorsement or contribution to ongoing studies of geologic, environmental, or hydrologic studies being performed in the district area.

5.1 Performance Standard

Each year a summary of the District's contributions or endorsements of ongoing studies will be included in the Annual Report.

Monitoring Program: HTGCD collects water level data from 31 local western Hays County wells. The information including precipitation data and resulting hydrographs are posted on the District's website for public awareness, education and professional use. In addition, 11 transducer wells provide quarterly data and are included on the District's website. Lastly, 5 telemetry wells are part of the District's water level data collection and information awareness program. In 2015, the District partnered with DSWSC to fund a telemetry well ("Downing") and partnered with the TWDB to install necessary monitoring equipment.

GMA9- Desired Future Conditions/ Modeled Available Groundwater: HTGCD is an active member of Groundwater Management Area 9 as designated by the TWDB. One of GMA's primary functions during 2015 was to re-evaluate or renew the 2010 DFC. During the year, the HTGCD participated in this regional planning process focusing its attention on the Trinity Aquifer. In 2015, the HTGCD Board of Directors approved the funding of up to \$3,000 for a contractor study of the GMA9 DFC re-evaluation. This study included the entire geographical area of the GMA9 member districts and all of the primary and secondary aquifers. Several District meetings, a workshop and a public hearing were held during the second half of 2015 with technical reviews and discussions on the proposed 2016 Trinity DFC for GAM9.

Lower Trinity Project: The Project was initiated by the District in 2012 in order to evaluate the potential for an alternate aquifer for Western Hays County. Extensive work was done on the planning and evaluation of the Aqua Texas Woodcreek Test Well- a Lower Trinity test. The well recovered only a minor flow of water from the Sligo and Hosston intervals. It was eventually turned over to the District as a monitoring well. The Project reported on the Test Well results at a public workshop. Hydrogeological evaluation of the Lower Trinity continued in 2015 with the addition and analysis of geophysical logs and cutting samples. Focus has shifted to the northern sector of the district where increased pumpage in both Hays and Travis Counties may be dewatering the Middle Trinity Aquifer. Recent wells have been completed in the Hosston and reported high TDS and sulfates.

Publications: The District participated in the editing and publishing of two hydrogeological reports: The "Hydrogeologic Atlas of the Hill Country Trinity Aquifer" in 2010 and the "Austin Geological Society-Guidebook 33" in 2011. These technical documents were widely distributed to professionals, university libraries and the public. Associated field trips and presentations were carried out in 2012. In 2015, the District continued to use these publications in presentations to Hays County landowners and as reference documents to support local drilling.

Hydrogeologic Project- an addition to the 2010 Atlas: In 2015, the District was active together with neighboring groundwater districts, TPWL and other professionals in further analyses of the Hill Country Trinity Aquifer. Considerable progress was made by the group during the past few years on the understanding of the hydrogeology of the Blanco River and the Wimberley Valley. The District has participated in several field trips to geological outcrops along the Blanco River and many new interpreted geophysical logs and State Well Reports were added to the Atlas data base. Geophysical logs were correlated tying wells from Blanco, Hays and Comal Counties. Cutting samples were described and analyzed from many of the wells and several cross-sections were drawn. Additional work was completed in 2015 including stratigraphic cross sections and a revised Cow Creek Structural Map. Volume II of the Hydrogeologic Atlas is being compiled and the project is scheduled for completion in 2016.

Onion Creek Project: The Onion Creek Project was initiated in December 2014. The working team includes geoscientists from the City of Austin, BSEACD, HTGCD and independent consultants. The project plans to compile, analyze and evaluate Hydrogeologic data collected

along the length of Onion Creek and its tributaries from headwaters in Blanco County to the eastern boundary of the HTGCD. The primary goal of the project is to provide an interpreted hydrogeological data-base that will serve the Groundwater Districts and the Community as a technical basis for ongoing groundwater planning. Considerable progress was made in 2015 including the completion of two synoptic gain-loss studies, the collection of water samples for analyses, several geologic field trips and the construction of a structural cross section using newly correlated geophysical logs. A technical presentation and report is planned by the middle of 2016.

6.0 The District has a goal to manage the use of the Aquifer such that sufficient groundwater resources are available for high priority uses during drought conditions – A review of the historical rainfall in Hays County, together with analyses provided by TWDB and regional agencies, demand effective planning and management of groundwater resources.

6.1 Management Objective

The District has developed a Drought Contingency plan to protect and conserve groundwater during critical climatic conditions. The plan will be updated as additional data becomes available.

6.1 Performance Standard

The District will post a copy of the plan on the HTGCD website and will include an updated Drought Contingency plan, available to end-users, in the annual report.

The District continues to use the User Drought Contingency Plan (UDCP) for all of its non-exempt HTGCD operating permit holders. The UDCP was updated in 2015 and posted to the District's website under Forms. A copy of the UDCP is attached; see 3-Ringed binder Section 3.

The Water Conservation Plan is also part of the paperwork required by the District for an operating permit application to be administratively complete; a copy is attached; see 3-Ringed binder Section 3.

A Drought Production Cutback Curtailment Chart, see chart below, is included with each new permit and renewal permit. The cutback chart provides the exact monthly production cutback curtailment requirements in gallons so that permit holders can manage Board declared drought stage condition production cutbacks.

	A	B	C	D	F	G	H	I	J
1	Cardinal Valley								
2				24.25	Acre Feet		Drought Contingency Plan		
3	2015 Permit								
4				7,901,887	Gallons				
5									
6					Stage 1	Stage 2	Stage 3	Stage 4	
7		Actual Use		Baseline	Voluntary	Alarm	Critical	Emergency	Gallons
8		Gallons		Gallons	10%	20%	30%	40%	Over
9	January		6%	474,113	426,702	379,291	331,879	284,468	
10	February		7%	553,132	497,819	442,506	387,192	331,879	
11	March		7%	553,132	497,819	442,506	387,192	331,879	
12	April		7%	553,132	497,819	442,506	387,192	331,879	
13	May		8%	632,151	568,936	505,721	442,506	379,291	
14	June		10%	790,189	711,170	632,151	553,132	474,113	
15	July		12%	948,226	853,404	758,581	663,758	568,936	
16	August		12%	948,226	853,404	758,581	663,758	568,936	
17	September		10%	790,189	711,170	632,151	553,132	474,113	
18	October		8%	632,151	568,936	505,721	442,506	379,291	
19	November		7%	553,132	497,819	442,506	387,192	331,879	
20	December		6%	474,113	426,702	379,291	331,879	284,468	
21	Totals		0	7,901,887	7,111,698	6,321,509	5,531,321	4,741,132	0
22									

6.2 Management Objective

Each quarter the District will check the National Weather Service-Climate Prediction Center website: http://www.cpc.ncep.noaa.gov/products/monitoring_and_data/drought.shtml for updates of the Palmer Drought Index. The District will download the updated Palmer Drought Severity Index (PDSI) map and check for periodic updates to the Texas Drought Preparedness Council Situation Report (Situation Report) posted on the Texas Department of Public Safety website: <http://www.txdps.state.tx.us/dem/sitrepindex.htm>.

6.2 Performance Standard

Quarterly, the District will make an assessment of the status of drought in the District and prepare a quarterly briefing to the Board of Directors. The downloaded PDSI maps and Situation Reports will be included with copies of the quarterly briefing in the District Annual Report to the Board of Directors.

During monthly Board meetings, the District staff reviews the monitoring program “Status of Drought Briefing” which includes: well level averages, drought trigger status, recommended drought stage, table of water level data collected, the U.S. Drought Monitoring and Palmer Drought Severity Index maps, see 3-ringed binder, Section 4.

During 2015, Texas Drought Preparedness Council Situation Reports were not released online. Several communications to the TWDB concluded that no reports were available. If reports were available they would have been reviewed and printed out as part of the annual report. As no reports were available, no print outs were added to the 3-ringed binder, Section 4.

Quarterly, the Board receives a status of the drought briefing report assessment; see 3-ringed binder, Section 5.

The “Hays Trinity GCD: monitoring well locations” shows the location of the Hays County monitoring wells, see 3-ringed binder, Section 6.

Hydrographs for Mount Baldy and Henly Church wells, included with Section 6, along with flow rates from the Blanco and Pedernales Rivers, indicate the present health of the aquifer: Currently interpreted by the HTGCD as stage 1 “No Drought, Voluntary Conservation”.

The latest “U.S. Seasonal Drought Outlook” map has been printed and will be part of the annual report, see 3-ring binder, Section 6. These forecasts are long range and highly subjective; these maps should be used with caution.

6.3 Management Objective

Each year the District will collect monthly water level data from a network of monitoring wells.

6.3 Performance Standard

Each year a report of the District water level collection activities including a table of the water levels measured in District monitoring wells will be included in the Annual Report.

Monthly, the District staff collects and enters data during its water level Monitoring Program. The information collected is displayed on the District website as hydrographs, and also includes precipitation levels. The public can access the District’s website for more specific well data by scrolling over the hydrograph to see elevation above a.m.s.l. measurements and surface to top of water table measurements.

In addition to the Monitoring run, District staff downloads quarterly data from 11 transducer wells within western Hays County. This information is also located on the District’s website for public use.

District staff updates a table that tracks monthly water level measurements and is included within the annual report; see 3-ringed binder, Section 6.

6.4 Management Objective

Each year the District will monitor data collected from the U.S. Geological Survey spring-flow monitoring station at Jacob’s Well, a major Trinity Aquifer spring.

6.4 Performance Standard

Each year, the District, at a public meeting, will review the prior year’s monitoring data with local, state or federal organizations and prepare a summary to be included in the Annual Report.

District staff reviewed the year-end monitoring data collected within 2015 during a public Board meeting on December 9, 2015 at Dripping Springs City Hall. The Honorable Hays County Commissioner, Ray Whisenant, was invited to attend. The year-end monitoring data review and Jacob’s Well monitoring station data is included; see 3-ringed binder, Section 7.

7.0 The District has a goal to promote conservation of water resources throughout the District.

7.1 Management Objective

Each year the District will submit one article for publication regarding water conservation to at least one newspaper of general circulation in Hays County.

7.1 Performance Standard

Each year a copy of the article submitted for publication will be included in the Annual Report.

The District submitted the following articles; see 3-ringed binder, Section 8. They are also available on the HTGCD website.

Wimberley View: March 2, 2015 “HTGCD Declares Drought Stage, Alarm”

Wimberley View: June, 2015 “HTGCD Declares No Drought Stage Status”

The District searches local newspapers for all articles concerning groundwater and the District including: political, editorials and news.

8.0 Recharge Enhancement.

This goal is not applicable to the operations of this District.

9.0 Rainwater Harvesting.

The District is committed to promoting alternate water sources that reduce demand on groundwater in the central Texas region. As such the HTGCD is committed to promoting rainwater harvesting as a source of municipal and residential use.

9.1 Management Objective

Each year the District will make at least one endorsement or contribution to programs that encourage, install, educate or assist individuals in the implementation of rainwater harvesting systems in the District area.

9.1 Performance Standard

Each year the District will provide records of contributions or promotions of rainwater harvesting events or companies in its annual report.

Rainwater Revival: The District attended, participated in and contributed to the first two years of the local “Rainwater Revival” event. In 2015, the District again contributed and participated in the event including manning a booth. The booth was well visited by the public, other vendors and served as an educational service to the community. The District provided an endorsement of the Rainwater Revival via the District’s website, an announcement during a Board meeting and through its email distribution lists; see 3-ringed binder, Section 9.

Additionally, within Section 9, District staff reaffirms during monthly Board meetings, that the District encourages the use of rainwater collection systems on all new homes, businesses and on existing buildings. The District further promotes the use of surface water or other alternatives to groundwater in and around western Hays County.

10.0 Precipitation Enhancement.

This goal is not applicable to the operations of this District.

11.0 Brush Control.

The District encourages proper land management practices in accordance with current agricultural extension standards. Proper land management promotes recharge and protects against surface water quality degradation. As such the District will promote and educate the public on proper land management practices.

11.1 Management Objective

The District will attend or contribute to at least one event each year that promotes and educates the public on proper land management practices.

11.1 Performance Standard

Each year the District will provide records of contributions or promotions of land management events or companies in its annual report.

District staff reaffirms during monthly Board meetings, that the District promotes recharge of the aquifer through such means as proper brush management and re-establishing deep rooted native grasses, see 3-ringed binder, Section 9.

District staff hosted an educational workshop video on December 9, 2015 at Dripping Springs City Hall, see 3-ringed binder, Section 10. The video shown was, "A Land in Balance".

The District website, under Public Education Outreach, lists and promotes land management websites for the public to utilize, see 3-ringed binder, Section 11.

12.0 Monitoring Desired Future Conditions (DFC).

The GMA9 and GMA10 DFC's submitted to the TWDB in July 2010 will require a monitoring program to ensure compliance. Subsequently, the District dropped out of the GMA10 with approval from the GMA9 and the TWDB on October 3, 2011 by District Resolution 20111003. The District maintains a groundwater-level monitoring program that began in 1999 and records changes in water levels over time throughout the District. The program currently includes 31 wells monitored monthly. In addition, the District has 11 transducer wells providing continuous recordings of water-level fluctuations. Lastly, 5 telemetry wells use "real time data" that can be found on the District's website.

12.1 Management Objective

In 2015 the HTGCD supplied water level data from district monitored wells to the GAM9 Technical Committee. The data included an interpretation of the producing interval after a review of well completion information. The HTGCD will work with the GMA9 Technical Committee to develop a regional well data base-map that will identify all monitoring wells in the management area. The committee is also working on an acceptable method to measure and report drawdown levels. Deliverables may include potentiometric surface maps of Trinity System sub-aquifers and selected hydrographs.

During 2015, the District staff has monitored and recorded water level data on 31 Hays County wells. Measurements will be taken monthly when possible, and posted on the District website. Hydrographs are constructed for each monitored well. The HTGCD will continue to work within the guidelines of the GMA9 to determine a "base aquifer level" from which a meaningful average drawdown over time may be established. The Management Plan will be revised when the methodology is reviewed and approved.

12.1 Performance Standard

The District will calculate the average drawdown of the Trinity Aquifer System water level utilizing recommended methodology adopted by the GMA9. The HTGCD shall provide a summary of the average drawdown within the District on its website and in its annual report.

As of year-end 2015, the GMA9 has not established a methodology to calculate average drawdown within the management area. They have agreed to use average water levels from 2008 for a base-line. Until the District receives guidelines from the GMA9, the hydrographs from District monitored wells are used to indicate the average drawdown per well. During 2015, selected hydrographs were reviewed for the Board at each monthly meeting and trends were discussed.

The District monitors, collects data and stores information on 40 plus wells within western Hays County. This data is entered on the District's website and accessible to the public. The data reveals the highs and lows of the wells during periods of drought and rainfall throughout the year. This information is highly valuable to GMA9 member Groundwater Districts as it helps show the health of the Trinity Aquifer. The data is also used by local residents who wish to have insight on their own well status. In 2013, a \$3,000

District contribution, along with other GMA9 funds, was made available to Dr. William Hutchinson to study and provide a report concerning a collective group of monitoring wells within GMA9 and its relationship to the Desired Future Conditions. The completed study provided valuable information to GMA9 members for the 2015 DFC evaluation.

Modeled Available Groundwater – HTGCD Trinity Aquifer System

Based on the 2011, GMA9 adopted DFC (a regionally averaged 30' drawdown of the Trinity Aquifer) the attached table "Available Groundwater HTGCD" was constructed showing "available groundwater" for 2009, 2010, 2011, 2012, 2013, 2014, 2015 and predicted for 2060. Using the TWDB calculated 9100 AF/YR MAG and subtracting estimated Exempt Use and Non-Exempt Use-Permitted, the non-committed "available groundwater" for western Hays County results in 2,894 AF/YR for 2011, 2,916 AF/YR for 2012, 2,679 AF/YR for 2013, 2,514 AF/YR for 2014 and 2145 AF/YR for 2015. Projecting an estimated 2060 Exempt Use of 5,784 AF/YR, and keeping Non-Exempt Use-Permitted constant, resulted in 6 AF/YR "available groundwater". These figures are tenuous at best and will be reviewed and updated periodically in order to establish a reasonable trend and management strategy.

The District Management Plan will be revised as appropriate to reflect new Trinity Aquifer data and analysis, derived locally and from GMA9, regarding DFC/MAG calculations.

Hays Trinity Groundwater Conservation District

2015 Income /Expenses - Summary

Actual vs 2015 Approved Budget

Income	<u>Jan 1 -Dec 31, 2015</u>	<u>2015 Budget</u>
Total Grant Income	\$93,750	\$125,000
Total Well Registration	\$71,580 *	\$51,000
Total Connections	\$119,350 *	\$51,000
Total Other	<u>\$28,661 **</u>	<u>\$4,530</u>
Total Income	<u>\$313,341</u>	<u>\$231,530</u>
Expenses		
Total Field & Research Operation	\$7,198	\$15,500
Total Field & Research Professional	\$5,460	\$16,400
Total General Operations	\$9,970	\$23,200
Total Office	\$18,776	\$19,970
Total Personnel	\$121,482	\$122,591
Total Professional Services	<u>\$13,899</u>	<u>\$21,200</u>
Total Expenses	<u>\$176,785</u>	<u>\$218,861</u>
Net	<u>\$135,553</u>	<u>\$12,669</u>

* Higher than forecasted well registration and water connection fees collected in 2015 reflect rapid growth and development in western Hays County

**Penalties collected during the year are not forecast or budgeted

Hays Trinity Groundwater Conservation District

Profit & Loss Budget vs. Actual

January through December 2015

	Jan - Dec 15	Budget
Ordinary Income/Expense		
Income		
Grant Income		
Hays County	93,750.00	125,000.00
Total Grant Income	93,750.00	125,000.00
FEES		
Other Fees		
Amendment Fees	0.00	0.00
Permit Renewal Fees	4,700.00	3,000.00
Total Other Fees	4,700.00	3,000.00
Registration		
Exempt Wells	71,580.00	51,000.00
Non-Exempt Wells	5,250.00	1,200.00
Public Water Supply Connection	119,350.00	51,000.00
Total Registration	196,180.00	103,200.00
Total FEES	200,880.00	106,200.00
Other Income		
Public Information Request	894.06	30.00
Penalties	15,846.65	0.00
Interest Income	1,660.48	300.00
Donations	310.09	
Total Other Income	18,711.28	330.00
Total Income	313,341.28	231,530.00
Expense		
FIELD & RESEARCH OPERATIONS		
Aquifer Sampling	0.00	1,500.00
Drilling Samples	0.00	500.00
Equipment Rental	0.00	500.00
GIS Tech. Support & Data	0.00	500.00
Monitoring Equipment		
Maintenance & Repair	1,647.76	0.00
New Equipment	403.28	0.00
Monitoring Equipment - Other	3,988.04	9,500.00
Total Monitoring Equipment	6,039.08	9,500.00
Publications, Reports, Maps	177.75	500.00
Tools & Misc. Field Supplies	156.99	500.00
Well Logs	825.00	2,000.00

Hays Trinity Groundwater Conservation District

Profit & Loss Budget vs. Actual

January through December 2015

	<u>Jan - Dec 15</u>	<u>Budget</u>
Total FIELD & RESEARCH OPERATIONS	7,198.82	15,500.00
FIELD & RESEARCH PROF. SERVICES		
Meter Project	1,400.00	2,400.00
Onion Creek Project	1,653.00	5,000.00
GMA9-DFC Consulting	2,407.40	3,000.00
Aquifer Research	0.00	3,000.00
GIS Consulting Services	0.00	500.00
Science & Engineering Consult.	0.00	2,500.00
Total FIELD & RESEARCH PROF. SERVICES	<u>5,460.40</u>	<u>16,400.00</u>
GENERAL OPERATIONS		
BOD Insurance	0.00	2,000.00
Appreciation Awards	537.95	700.00
Insurance - Auto	491.00	570.00
Vehicle Maintenance & Gas	2,054.83	2,500.00
Education and Public Outreach	1,031.54	5,000.00
Bank Service Charges	0.00	20.00
Bond Expense	210.00	500.00
Contributions	0.00	110.00
Dues & Subscriptions	1,172.50	1,200.00
Election Expense	0.00	0.00
Insurance - TML	1,144.44	1,500.00
Miscellaneous Expense	0.00	250.00
Professional Development	335.00	750.00
Public Notices	906.66	900.00
Software	228.06	700.00
Travel		
Meals	1,858.27	1,500.00
Total Travel	<u>1,858.27</u>	<u>1,500.00</u>
Total GENERAL OPERATIONS	9,970.25	18,200.00
GRANT EXPENDITURES		
HTGCD Grant	0.00	5,000.00
Total GRANT EXPENDITURES	<u>0.00</u>	<u>5,000.00</u>
OFFICE		
Cell Phone	1,200.00	1,200.00
Computer Equipment	1,899.96	2,500.00
Internet Access	844.81	880.00
Meeting Room Rental	0.00	100.00
Office Rent	11,027.91	9,540.00
Office Supplies & Equipment	2,263.71	3,000.00

Hays Trinity Groundwater Conservation District
Profit & Loss Budget vs. Actual
January through December 2015

	<u>Jan - Dec 15</u>	<u>Budget</u>
Postage & Delivery	155.23	500.00
Printing & Reproduction	0.00	500.00
Telephone & Fax Line	1,384.64	1,500.00
Website Hosting	0.00	250.00
Total OFFICE	<u>18,776.26</u>	<u>19,970.00</u>
 PERSONNEL		
Staff Incentives	900.00	900.00
Health Insurance-employee paid	0.00	0.00
Employee Benefits		
SEP IRA Expense	4,845.00	4,850.00
Total Employee Benefits	<u>4,845.00</u>	<u>4,850.00</u>
 Medical Insurance	10,267.54	10,441.00
Salaries and Wages	97,855.58	96,900.00
Payroll Taxes	7,596.12	8,500.00
State Taxes - TWC	18.00	1,000.00
Total PERSONNEL	<u>121,482.24</u>	<u>122,591.00</u>
 PROFESSIONAL SERVICES		
Accounting	3,025.00	3,000.00
Auditor	2,700.00	2,700.00
IT Consulting & Repair	0.00	500.00
Legal Fees		
Legal Fees - Ellis	6,991.48	12,000.00
Total Legal Fees	<u>6,991.48</u>	<u>12,000.00</u>
 Website Design & Maint.	1,182.98	3,000.00
Total PROFESSIONAL SERVICES	<u>13,899.46</u>	<u>21,200.00</u>
 Total Expense	<u>176,787.43</u>	<u>218,861.00</u>
 Net Ordinary Income	<u>136,553.85</u>	<u>12,669.00</u>
 Net Income	<u><u>136,553.85</u></u>	<u><u>12,669.00</u></u>

Available Groundwater HTGCD-Trinity Aquifer System: Acre Feet / Year: December 31, 2015

	Year-End								2060
	2009	2010	2011	2012	2013	2014	2015		
Modeled Available Groundwater (1)	9,100	9,100	9,100	9,100	9,100	9,100	9,100		9,100
Exempt Use: Domestic/Agricultural	3,300 (2)	3,322	3,358	3,398	3,448	3,495	3,542 (4)	2,242	5,784 (3)
Non-Exempt Use: Permitted (5)	1,860	1,877	2,442	2,451	2,854	2,989	3,310	6	3,316
Non-Exempt Use: No Permit -Estimated (6)	100	100	100	100	100	100	100		0
Non-Exempt Use: Reporting - No Permit (7)	482	364	306	235	19	2	3		0
Sub-Total Committed	5,742	5,663	6,206	6,184	6,421	6,586	6,955		
Net Available Groundwater (MAG-Sub-Total)	3,358	3,437	2,894	2,916	2,679	2,514	2,145		
Actual Production Reported: Acre Feet	1,987	1,796	2,004	1,691	1,599	1,532	1,537		

2009 = 99 Well Construction Notifications or 37AF
 2010 = 59 Well Construction Notification or 22 AF
 2011 = 96 Well Construction Notification or 36 AF
 2012 = 107 Well Construction Notification or 40 AF
 2013 = 135 Well Construction Notification or 50 AF
 2014 = 126 Well Construction Notification or 47 AF
 2015 = 127 Well Construction Notification or 47 AF

(1) 9,100 AF/YR average from TWDB. GAM Run 10-050 MAG calculations.

(2) Approved by the HTGCD Board of Directors on April 25, 2011.

(3) Used HDR's NA Case 5,784 (Water-Wastewater Plan for Hays County, 2011); Not reserved for exempt use

(4) Registered Exempt Use wells in 2015 (127 x 330 gpd x 365) / 325,851

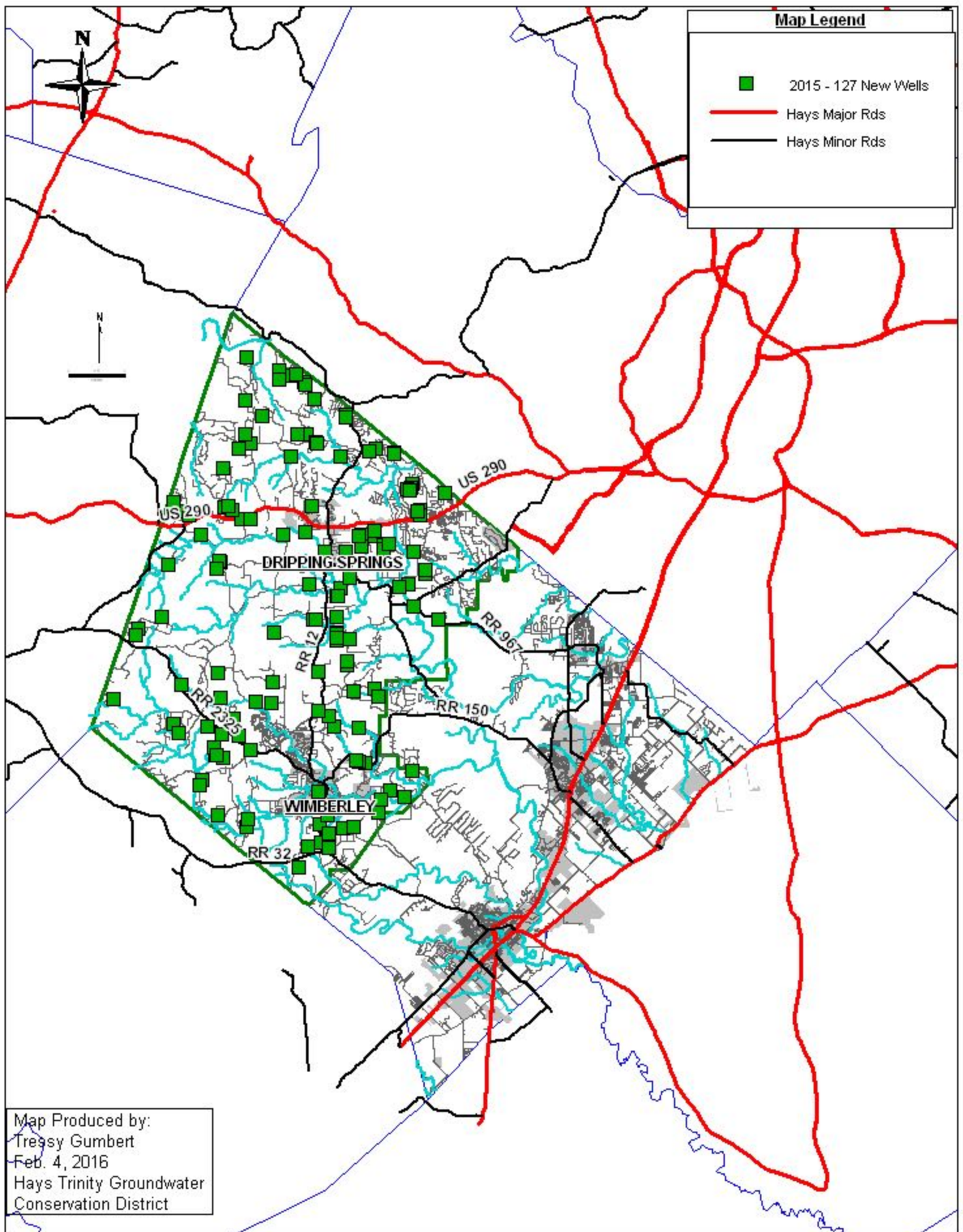
(5) Total AF permitted for pumping in existing operational permits

(6) Non-Exempt Use: not permitted and not reporting; Goal: permit users and move 100 AF towards 0 AF

100 AF calculated: Identified & Under Investigation = 50 cases @ 2 AF each = 100 AF

(7) Non-Exempt Use: reporting but not permitted; Goal: permit users and move 3 AF towards 0 AF

2015 New Registered Wells



New Wells, Connections & Fees

