

# 2013 Annual Report

## Hays Trinity Groundwater Conservation District

Presented by Rick Broun, General Manager

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**2013 ANNUAL REPORT OF**  
**HTGCDC 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 2013 annual report follows this format.

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 2013*

*Participated: Blanco River Field Trip, EEA, Texas Parks and Wildlife, BSEACD*

*Attended: Dripping Springs Water Supply Corporation meeting*

*Attended: Hays County Waste and Sewer Authority meeting*

*Participated: GMA9 Manager's meeting*

*Hosted: Meeting with UT student, monitoring local water wells*

*February 2013*

*Attended: Dripping Springs Water Supply Corporation meeting*

*Attended: Austin Geological Society Lecture*

*Attended: Hays County Waste and Sewer Authority meeting*

*Participated: GMA9 Manager's meeting*

*Hosted: Meeting with concerned Hays County constituents on operating permits*

*Participated: Tour of Wizard Academy- groundwater use*

*March 2013*

*Attended: Austin Geologic Society Lecture*

*Hosted: Meeting with concerned Hays County constituent on permit applications*

*Hosted: Meeting with Geoscientists concerning Hydrogeologic Atlas*

*April 2013*

*Attended: Austin Geologic Society Lecture at UT*  
*Attended: Austin Geologic Society Lecture*  
*Attended: "Hydro Days" Hydrogeologic lectures and field trip*  
*Attended: Lecture "Tale of Two Aquifers" Edwards and Trinity*  
*Participated: Field Trip to El Rancho Cima- hydrogeology*  
*Participated: Meeting with USGS-Mapping project*  
*Attended: CARD Meeting*  
*Attended: Lecture "The Next Wave"*

*May 2013*

*Attended: Dripping Springs Water Supply Corporation meeting*  
*Attended: Hays County Waste and Sewer Authority meeting*  
*Participated: Meeting with WTCPUA-water users*  
*Participated: Public Funds Investment Act Training-TAGD*  
*Hosted: Meeting with Hays County constituents-water usage*

*June 2013*

*Attended: Hays County Waste and Sewer Authority meeting*  
*Hosted: Meeting with Hays County constituents-groundwater usage*  
*Hosted: Field Trip-Monitoring program*  
*Hosted: Meeting with Hays County constituents-groundwater*

*July 2013*

*Participated: Meeting with DS City Hall faculty- groundwater*  
*Participated: GMA9 Manager's meeting*  
*Hosted: Geological Data Base Lecture at DS City Hall*

*August 2013*

*Attended: Wimberley Valley Republican Group meeting on groundwater*  
*Hosted: Meeting with Hays county residents concerning groundwater*  
*Attended: Austin Geologic Society lecture*

*September 2013*

*Attended: Hays County Waste and Sewer Authority meeting*  
*Participated: Meeting with Texas A&M Agrilife Extension*  
*Participated: GMA9 Manager's meeting*  
*Participated: Meeting with TWDB*

*October 2013*

*Hosted: Meeting with WTCPUA- groundwater connections*  
*Attended: Climate Resilience and Adaptation Strategies*  
*Attended: Dripping Springs Water Supply Corporation meeting*  
*Hosted: Meeting with Hays resident-groundwater*  
*Participated: Texas A&M Agrilife Extension-workshop*  
*Attended: Texas Watershed Steward*  
*Hosted: HTGCD Educational Video*  
*Attended: Wimberley Valley Republican Group regarding groundwater*

November 2013

Attended: Rainwater Revival

Attended: Austin Geologic Society lecture

Attended: Groundwater Stewardship Award presentation

Participated: GMA9 Manager's meeting

December 2013

Attended: Austin Geological Society lecture

Attended: Dripping Springs Water Supply Corporation meeting

Participated: Meeting with Lakeway and Bee Cave Mayors and City Admin

*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 2013 the District publicized the availability of the videos in Board meetings and one of the videos was presented during the Texas A&M Agrilife Extension workshop at the Wimberley Community Center.*

## **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.

*Throughout 2013, District staff reported to the Board of Directors at public meetings on waste. 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 July 31, 2013 to review and approve the latest revision of District rules including waste and unaccounted for water. The new rules became effective September 1, 2013 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 following pumpage report below, allowing all 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 i.e. line-breaks, fires or flushing.*

# Quarterly Pumpage Report

[Forms](#) | [My Profile](#) | [Log off](#)

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

Permit Holder  Year  Quarter

Water Level Information		July		August		September	
Well Id / Name	Water Level	Water Level Date	Water Level	Water Level Date	Water Level	Water Level Date	
<input type="text" value="Well No. 2107 / Blue Hole Regional Park"/>	<input type="text" value="233"/>	<input type="text" value="07/31/2013"/>	<input type="text" value="229"/>	<input type="text" value="08/31/2013"/>	<input type="text" value="226"/>	<input type="text" value="09/30/2013"/>	
<input type="button" value="Add Another Well"/>		<input type="button" value="Remove Well"/>					
	YTD Totals	Qtr Totals	July	August	September		
Groundwater Pumped Total	152,300	3,200	<input type="text" value="0"/>	<input type="text" value="3,200"/>	<input type="text" value="0"/>		
Other Water Sources	0	0	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>		
Sold / Used	152,300	3,200	<input type="text" value="0"/>	<input type="text" value="3,200"/>	<input type="text" value="0"/>		
Total # Service Connections			<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>		
New Service Connections			<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>		
New Connection Addresses			<input type="text"/>	<input type="text"/>	<input type="text"/>		
Loss	0	0	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>		
Loss Percent	0 %	0 %		<input type="text" value="0 %"/>			

### 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 on October 7, 2013 with General Manager Don Rauschuber concerning an overview, exchange of ideas and responsibilities between the two agencies. Summary of hosted meeting provided, see 3-ring binder, Section 2.

Dripping Springs Water Supply Corporation (DSWSC): A meeting was held on October 7, 2013 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 available and future groundwater.

Hays County Waste and Sewer Authority (HCWSA): The District attended numerous meetings concerning providing surface water to Hays County.

Promotion of rainwater collection vs. groundwater drilling: Speaking directly to the end user.

## **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: 32 water level monitoring wells within the District, including precipitation data, are all subjects that the District monitors monthly. The information and resulting hydrographs are posted on the District's website for public awareness, education and professional use. In addition, 9 transducer wells provide quarterly data and are included on the District's website. Lastly, 4 telemetry wells are part of the District's water level data collection and information awareness. In 2013, the District met with and received funding from the Wizard Academy to install a telemetry system within the District's boundaries.*

*Desired Future Conditions/ Modeled Available Groundwater: The Board of Directors approved funding up to \$3,000 to study the DFC/MAG. This study includes all of the GMA9 participants and its geographical area with the goal to understand and implement a base water-level from which an average regional drawdown over time may be established. GMA9 meetings and the study will continue in 2014.*

*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 2013 with the addition and analysis of geophysical logs and cutting samples. Water sampling and analysis of selected wells was also ongoing.*

*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 2013, 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 2013, the District joined with neighboring groundwater districts, TPWL and other professionals in further analyses of the Hill Country Trinity Aquifer. Considerable progress was made during the year by the group on the understanding of the hydrogeology of the Blanco River and the Wimberley Valley. The District participated in several field trips to geological outcrops along the Blanco River and almost 150 additional wells were added to the Atlas data base. Geophysical logs were correlated tying wells from Blanco, Hays, Comal and Travis Counties. Cutting samples were described and analyzed from many of the wells and several cross-sections were drawn. Additional work is planned for 2014 including stratigraphic cross sections and a revised Cow Creek Structural Map. The project is scheduled for completion later in the year.*

**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 permit holders. The UDCP was updated in November, 2013 and posted to the District’s website under Forms. A copy of the UDCP is attached, see 3-ring binder, Section 3.*

*The Water Conservation Plan is also part of the paperwork required by the District for a permit application to be administratively complete.*

*A Drought Production Cutback Curtailment Chart, see chart below, is included with each new permit and renewal permit. The cutback chart provides the exact 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	K	L
1	Blue Hole										
2				6 Acre Feet					Drought Contingency Plan		
3	2014-5 Permit								Production Cutback Chart		
4				1,955,106 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%	117,306	105,576	93,845	82,114	70,384			
10	February		7%	136,857	123,172	109,486	95,800	82,114			
11	March		7%	136,857	123,172	109,486	95,800	82,114			
12	April		7%	136,857	123,172	109,486	95,800	82,114			
13	May		8%	156,408	140,768	125,127	109,486	93,845			
14	June		10%	195,511	175,960	156,408	136,857	117,306			
15	July		12%	234,613	211,151	187,690	164,229	140,768			
16	August		12%	234,613	211,151	187,690	164,229	140,768			
17	September		10%	195,511	175,960	156,408	136,857	117,306			
18	October		8%	156,408	140,768	125,127	109,486	93,845			
19	November		7%	136,857	123,172	109,486	95,800	82,114			
20	December		6%	117,306	105,576	93,845	82,114	70,384			
21	Totals		0	1,955,106	1,759,595	1,564,085	1,368,574	1,173,064	0 at \$10 per 1000 gallons		
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](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-ring binder, Section 4. If any new Texas Drought Preparedness Council Situation Reports have been released these are reviewed as well, see 3-ring binder, Section 5. Quarterly, the Board receives a status of the drought briefing report, see 3-ring binder, Section 6.*

*The “Hays Trinity GCD: monitoring well locations” shows the location of the Hays County monitoring wells, see 3-ring binder, Section 7. Hydrographs for Mount Baldy and Henly Church wells, included with Section 7, along with flow rates from the Blanco and Pedernales Rivers, indicate the present health of the aquifer: Currently interpreted by the HTGCD as stage “Alarm”. Board approved stage “Alarm”, drought cutback curtailments for all non-exempt permit holders and requests that all exempt users voluntarily comply with stage Alarm drought reductions of 20%.*

*The attached “U.S. Seasonal Drought Outlook” map, see 3-ring binder, Section 7. classifies Central Texas in the category:”Drought to persist or intensify”. These forecasts are long range and highly subjective. They 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.

*District staff collects and enters data during its water level Monitoring Program on a monthly basis. The information collected is displayed on the District website as hydrographs, and also includes precipitation levels. The public can access 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 9 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-ring binder, Section 8.*

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's (2013) monitoring data during a public Board meeting for Hays County Commissioner, Ray Whisenant, on December 11, 2013. The presentation report and Jacob's Well monitoring station data is included; see 3-ring binder, Section 9.*

*Meetings and reviews held during the year include the following locations:*

*Dripping Springs City Hall  
GMA9 Meetings, Boerne  
Monthly Board Meetings- Monitoring data reviewed  
Workshops & Hearings  
Wimberley Community Center*

**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 posted the following articles; see 3-ring binder, Section 10.*

*Wimberley View: May 9, 2013 “Drought Conditions Come Early”*

*Wimberley View: June 6, 2013 “HTGCD Declares Drought Stage, Critical”*

*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 2013, the District again attended the event, including an endorsement of the Revival via the District’s email distribution list; see 3-ring binder, Section 11. The rainwater event notice was also placed on the District’s website as public information; see 3-ring binder, Section 2.*

*Additionally, within Section 11, 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-ring binder, Section 11.*

*District staff hosted an educational workshop film on October 16, 2013 at Dripping Springs City Hall, see 3-ring binder, Section 11. The film, "Plants out of Place...Facing the Green Invasion", was provided by the Texas State Soil & Water Conservation Board.*

*District staff participated in a joint workshop on October 11, 2013 with the Texas A&M Agrilife Extension Service office, see 3-ring binder, Section 11. The meeting, open to the public, was held at the Wimberley Community Center.*

*The District website, under Public Education Outreach, lists and promotes land management websites for the public to utilize, see 3-ring 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 32 wells monitored monthly. In addition, the District has 9 transducer wells providing continuous recordings of water-level fluctuations. Lastly, 4 telemetry wells use "real time data" that can be found on the District's website.

## 12.1 Management Objective

The HTGCD is currently working with the GMA9 Technical Committee to develop a 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 2013, the District staff has monitored and recorded water levels on 32 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 work within the guidelines of the GMA9 to determine a “base aquifer level” from which an 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 2013, 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.*

*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. 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. Our hope is that the study provides valuable information to help guide the GMA9 members in near future DFC planning.*

### ***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 and 2060. Using the TWDB calculated 9100 AF/YR MAG and subtracting estimated Exempt and Non-Exempt pumping, the “available groundwater” for western Hays County results in 2,894 AF/YR for 2011, 2,916 AF/YR for 2012, and 2,679 AF/YR for 2013. Projecting an estimated 2060 Exempt pumping of 5,784 AF/YR, and keeping Non-Exempt pumping constant, resulted in 343 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  
2013 Income /Expenses - Summary  
Actual vs 2013 Approved Budget**

<b>Income</b>	<b><u>Jan 1 -Dec 31, 2013</u></b>	<b><u>2013 Budget</u></b>
Total Grant Income	\$125,000	\$125,000
Total Well Registration	\$40,800	\$22,000
Total Connections	\$34,950	\$17,000
Total Other	<u>\$15,489</u>	<u>\$260</u>
<b>Total Income</b>	<b><u>\$216,239</u></b>	<b><u>\$164,260</u></b>
<b>Expenses</b>		
Total Field & Research Operation	\$4,271	\$14,700
Total Field & Research Professional	\$2,500	\$7,000
Total General Operations	\$11,163	\$23,590
Total Office	\$14,801	\$18,640
Total Personnel	\$109,313	\$110,260
Total Professional Services	<u>\$48,285</u>	<u>\$49,700</u>
<b>Total Expenses</b>	<b><u>\$190,333</u></b>	<b><u>\$223,890</u></b>
<b>Net</b>	<b><u>\$25,904</u></b>	<b><u>\$59,030</u></b>

## Hays Trinity Groundwater Conservation District

### Profit & Loss Budget vs. Actual

January through December 2013

	<u>Jan - Dec 13</u>	<u>Budget</u>
<b>Ordinary Income/Expense</b>		
<b>Income</b>		
<b>Grant Income</b>		
Hays County	125,000.00	125,000.00
<b>Total Grant Income</b>	125,000.00	125,000.00
 <b>FEES</b>		
<b>Other Fees</b>		
Amendment Fees	600.00	
Permit Renewal Fees	3,740.00	
<b>Total Other Fees</b>	4,340.00	
 <b>Registration</b>		
Exempt Wells	39,600.00	22,000.00
Non-Exempt Wells	1,200.00	600.00
Public Water Supply Connection	34,950.00	17,000.00
<b>Total Registration</b>	75,750.00	39,600.00
 <b>Total FEES</b>	80,090.00	39,600.00
 <b>Other Income</b>		
Reimbursed Expenses	0.00	0.00
Public Information Request	9.00	60.00
Penalties	4,959.29	
Interest Income	581.23	200.00
<b>Donations</b>		
Special Project-Telemetry Well	5,500.00	
Donations - Other	100.00	0.00
<b>Total Donations</b>	5,600.00	0.00
 <b>Total Other Income</b>	11,149.52	260.00
 <b>Total Income</b>	216,239.52	164,860.00
 <b>Expense</b>		
<b>FIELD &amp; RESEARCH OPERATIONS</b>		
Aquifer Sampling	0.00	1,500.00
Drilling Samples	121.63	500.00
Equipment Rental	0.00	500.00
GIS Tech. Support & Data	0.00	500.00
Monitoring Equipment	2,399.56	8,500.00
Publications, Reports, Maps	628.10	700.00
Tools & Misc. Field Supplies	421.75	500.00
Well Logs	700.00	2,000.00

**Hays Trinity Groundwater Conservation District**  
**Profit & Loss Budget vs. Actual**  
January through December 2013

	<u>Jan - Dec 13</u>	<u>Budget</u>
<b>Total FIELD &amp; RESEARCH OPERATIONS</b>	4,271.04	14,700.00
<b>FIELD &amp; RESEARCH PROF. SERVICES</b>		
<b>GMA9-DFC Consulting</b>	2,500.00	3,000.00
<b>Aquifer Research</b>	0.00	1,000.00
<b>GIS Consulting Services</b>	0.00	500.00
<b>Science &amp; Engineering Consult.</b>	0.00	2,500.00
<b>Total FIELD &amp; RESEARCH PROF. SERVICES</b>	<u>2,500.00</u>	<u>7,000.00</u>
<b>GENERAL OPERATIONS</b>		
<b>Appreciation Awards</b>	0.00	700.00
<b>Insurance - Auto</b>	499.80	570.00
<b>Vehicle Maintenance &amp; Gas</b>	1,782.43	2,500.00
<b>Education and Public Outreach</b>	2,250.00	3,000.00
<b>Bank Service Charges</b>	0.00	20.00
<b>Bond Expense</b>	175.00	500.00
<b>Contributions</b>	25.00	100.00
<b>Dues &amp; Subscriptions</b>	661.00	1,200.00
<b>Election Expense</b>	2,174.02	10,000.00
<b>Insurance - TML</b>	942.42	1,500.00
<b>Miscellaneous Expense</b>	0.00	250.00
<b>Professional Development</b>	625.00	750.00
<b>Public Notices</b>	805.35	500.00
<b>Repairs</b>	0.00	
<b>Software</b>	0.00	500.00
<b>Travel</b>		
<b>Meals</b>	1,223.50	1,500.00
<b>Total Travel</b>	<u>1,223.50</u>	<u>1,500.00</u>
<b>Total GENERAL OPERATIONS</b>	11,163.52	23,590.00
<b>OFFICE</b>		
<b>Computer Equipment</b>	961.98	2,500.00
<b>Internet Access</b>	752.04	750.00
<b>Meeting Room Rental</b>	0.00	100.00
<b>Office Rent</b>	9,540.00	9,540.00
<b>Office Supplies &amp; Equipment</b>	2,075.59	3,000.00
<b>Postage &amp; Delivery</b>	206.87	500.00
<b>Printing &amp; Reproduction</b>	142.10	500.00
<b>Telephone &amp; Fax Line</b>	1,123.08	1,500.00
<b>Website Hosting</b>	0.00	250.00
<b>Total OFFICE</b>	<u>14,801.66</u>	<u>18,640.00</u>
<b>PERSONNEL</b>		



**Hays Trinity Groundwater Conservation District**  
**Profit & Loss Budget vs. Actual**  
 January through December 2013

	<u>Jan - Dec 13</u>	<u>Budget</u>
Staff Incentives	900.00	900.00
Employee Benefits		
SEP IRA Expense	4,405.25	4,405.25
<b>Total Employee Benefits</b>	<b>4,405.25</b>	<b>4,405.25</b>
Medical Insurance	8,708.18	8,400.00
Salaries and Wages	87,973.94	88,105.00
Payroll Taxes	6,882.86	7,450.00
State Taxes - TWC	443.03	1,000.00
<b>Total PERSONNEL</b>	<b>109,313.26</b>	<b>110,260.25</b>
<b>PROFESSIONAL SERVICES</b>		
Accounting	3,000.00	3,000.00
Auditor	7,200.00	7,200.00
IT Consulting & Repair	0.00	500.00
Legal Fees		
Legal Fees - Davis	2,587.50	3,000.00
Legal Fees - Ellis	31,498.10	33,000.00
<b>Total Legal Fees</b>	<b>34,085.60</b>	<b>36,000.00</b>
Website Design & Maint.	4,000.00	3,000.00
<b>Total PROFESSIONAL SERVICES</b>	<b>48,285.60</b>	<b>49,700.00</b>
<b>Total Expense</b>	<b>190,335.08</b>	<b>223,890.25</b>
<b>Net Ordinary Income</b>	<b>25,904.44</b>	<b>-59,030.25</b>
<b>Net Income</b>	<b>25,904.44</b>	<b>-59,030.25</b>

## Available Groundwater HTGCD-Trinity Aquifer System: Acre Feet / Year: December 31, 2013

	Year-End						2060
	2009	2010	2011	2012	2013		
Modeled Available Groundwater (1)	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 (4)		5,784 (3)
Non-Exempt Use: Permitted (5)	1,860	1,877	2,442	2,451	2,854		2,973
Non-Exempt Use: No Permit -Estimated (6)	100	100	100	100	100		0
Non-Exempt Use: Reporting - No Permit (7)	482	364	306	235	19		0
Sub-Total Committed	5,742	5,663	6,206	6,184	6,421		
Net Available Groundwater ( MAG-Sub-Total)	3,358	3,437	2,894	2,916	2,679		

### Actual Production Reported

1,987    1,796    2,004    1,691    1,599

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

(1) 9,100 AF/YR 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 ( Water-Wastewater Plan for Hays County, 2011); Not reserved for exempt use

(4) Registered Exempt Use wells in 2013 ( 135 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 = 30 cases @ 2 AF each = 60 AF. Est. another 20 cases @ 2 AF= 40 AF

(7) Non-Exempt Use: reporting but not permitted; Goal: permit users and move 19 AF towards 0 AF