



Victoria County Groundwater Conservation District

Fiscal Year 2012 - 2013 Annual Report
(October 1, 2012 – September 30, 2013)

Adopted: January 17, 2014

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Purpose of the Annual Report

This report is intended to document the District's performance relative to the goals, objectives and performance standards established in the District's Management Plan.

District Overview

The 79th Texas Legislature created the District in 2005 by passage of House Bill 3423. The citizens of Victoria County confirmed creation of the District by an election held on November 8, 2005. The District was formed to protect, conserve, and prevent waste of the groundwater resources beneath the area of Victoria County. To manage the groundwater resources under its jurisdiction, the District is charged with the rights and responsibilities specified in its enabling legislation; the provisions of Chapter 36 of the Texas Water Code; this Management Plan, and the District Rules.

The Victoria County Groundwater Conservation District Board of Directors consists of five members. These five directors are elected by the voters of Victoria County and serve a four-year term. The District observes the same four precincts as the Victoria County Commissioners' with one at-large position. Director terms are staggered on a two-year election interval in even numbered years.

The District has the rights and responsibilities provided in Chapter 36 of the Texas Water Code and Chapter 356 of Title 31 of the Texas Administrative Code. The District has the authority to undertake hydrogeological studies, adopt a management plan, provide for the permitting of certain water wells, and implement programs to achieve statutory requirements. The District has rule-making authority to implement its policies and procedures to manage the groundwater resources of Victoria County.

The boundaries of the District are the same as Victoria County. This area encompasses approximately 888 square miles. The District is bounded by DeWitt County, Lavaca County, Jackson County, Calhoun County, Refugio County, and Goliad County.

Review of the Goals, Objectives, and Performance Standards from the Approved Management Plan

The management goals, objectives, and performance standards of the District in the areas specified in 31TAC§356.5 are addressed below.

Providing the Most Efficient Use of Groundwater –31TAC 356.5(a)(1)(A) (Implementing TWC §36.1071(a)(1))

Objective: *Develop and maintain a Water Well Registration Program (WWRP) for tracking well information for wells within the District's boundaries.*

Performance Standard: *Each year, beginning in 2008, the District will summarize within the annual report the changes related to water well registration including the number of new and existing wells registered.*

Performance Evaluation: SATISFACTORY

The District has developed and is maintaining its water well registration program and therefore can report on the number of newly registered wells. As of September 2013, the District had registered 976 water wells which is an increase of 84 during the fiscal year.

See Attachment 01 for supporting documentation.

Objective: *Develop and maintain a Water Well Permitting Program (WWPP) for tracking all permits authorizing water well operation and groundwater production.*

Performance Standard: *Each year, beginning in 2008, the District will summarize within the annual report the changes related to water well permitting including the number of new applications and the disposition of the applications.*

Performance Evaluation: SATISFACTORY

The District has developed and is maintaining its water well permitting program and therefore can report on the number of new applications or their disposition. Below is a table representing statistics for applications submitted through September 30, 2013. The District anticipates that the registration applications that did not indicate a desire to validate historic use may choose to validate historic use in the future.

Historic Use Validation Permit Application		
Approved	10	
N/A		5
Withdrawn	2	
Permit or Certificate Amendment Application		
Approved	1	
Waiver or Variance Application		
Approved	1	
Denied	1	
Well Drilling Permit Application		
Approved	230	
N/A	1	1
Withdrawn	2	
Well Operating Permit Application		
Approved	24	
Well Registration and Historic Use Protection Permit Application		
Approved	2	
Well Registration Application		
Approved	93	
N/A		3

See Attachment 02 for supporting documentation.

Controlling and Preventing Waste of Groundwater –31TAC 356.5(a)(1)(B) ((Implementing TWC §36.1071(a)(2))

Objective: *Develop and maintain a Water Well Inspection Program (WWIP) for non-exempt wells.*

Performance Standard: *Each year, beginning in 2008, the District will summarize within the annual report the findings of the inspection activities including information regarding the number of wells that require improvement to prevent waste and/or prevent groundwater contamination.*

Performance Evaluation: SATISFACTORY

The District has satisfactorily met the performance standard of this objective. The table summarizes the metrics of the objectives:

CID-20130304-01	The District investigated a complaint of water well drilling by a person without proper licensing, permitting, and in a manner that would not satisfy the requirements of District. After visual inspection of the on-going drilling area and consideration of the matter by the Board at an open meeting, the well driller (landowner) was notified of the water well construction requirements and the need to submit a well log upon complete. The well driller complied with the requirements of the District as established in the District Rules.
CID-20130717-01	The District investigated a complaint of a water well being drilled in a location that violated State, County, and District requirement. Upon visual inspection and consideration of the matter by the Board at an open meeting, the well owner provided necessary documentation to bring the subject well into compliance with State, County, and District requirements.

Based on the investigations of the complaints listed above, the District identified one well that required improvement in terms of seal of the annulus to prevent groundwater contamination (CID-20130304-01). The well driller submitted a well log demonstrating the proper sealing of the annulus.

See Attachment 03 for supporting documentation.

Objective: *Develop and maintain a Groundwater Conservation Education Program (GCEP).*

Performance Standard: *Each year, beginning in 2008, the District will summarize within the annual report the educational activities including the number of educational materials developed and delivered to local schools, the number of cooperative educational contributions and grants, the number of public speaking events and presentations, the number of community events participated in, and the number of educational publications.*

Performance Evaluation: SATISFACTORY

The District has satisfactorily met the performance standard of this objective. The table summarizes the metrics of the objectives:

Standard	Performance
Materials delivered to local schools	None
Cooperative Education Contributions	1. WaterWise Water Conservation Educational Program – April 2013
Public Speaking Events	1. Victoria West High School – April 26, 2013 and May 1, 2013 2. Victoria County SWCD Awards Banquet – April 25, 2013
Community Events Participated In	1. 2012 South Texas Farm and Ranch Show – October 24-25, 2012
Educational Publications	None

See Attachment 04 for supporting documentation.

Addressing Conjunctive Surface Water Management Issues – 31TAC356.5 (a)(1)(D) ((Implementing TWC §36.1071(a)(4))

Objective: *Participate in the regional water planning process by attending at least two South Central Texas Regional Water Planning Group (Region L) meetings.*

Performance Standard: *Each year, beginning in 2008, the District will summarize within the annual report the attendees, dates, and the number of meetings attended.*

Performance Evaluation: SATISFACTORY

The District has satisfactorily met the performance standard of this objective. The table summarizes the metrics of the objectives:

Date	Meeting
November 1, 2012	South Central Texas RWPG (Region L) Quarterly Meeting.
March 14, 2013	South Central Texas RWPG (Region L) Quarterly Meeting.
May 2, 2013	South Central Texas RWPG (Region L) Quarterly Meeting.
August 1, 2013	South Central Texas RWPG (Region L) Quarterly Meeting.

Mr. Andruss and Mr. Eller attended the meeting listed above.

See Attachment 05 for supporting documentation.

Objective: *Communicate with GBRA, SARA, City of Victoria, and Victoria County Navigation District concerning conjunctive surface water management issues.*

Performance Standard: *Each year, beginning in 2008, the District will summarize within the annual report the number of and nature of communications with GBRA, SARA, City of Victoria, and Victoria County Navigation District.*

Performance Evaluation: SATISFACTORY

The District has satisfactorily met the performance standard of this objective. The District's participation in the regional water planning process provided opportunities during which the District, GBRA, SARA, and City of Victoria discussed conjunctive use. In addition, the District sent letters to GBRA, SARA, City of Victoria, and the Victoria County Navigation District related to conjunctive use of surface water and groundwater.

See Attachment 06 for supporting documentation.

Addressing Natural Resource Issues which Impact the Use and Availability of Groundwater, and which are Impacted by the Use of Groundwater – 31TAC§356.5 (a)(1)(E) ((Implementing TWC §36.1071(a)(5))

Objective: *Develop and maintain a Water Level Monitoring Program (WLMP).*

Performance Standard: *Each year, beginning in 2008, the District will summarize within the annual report the monitoring activities including the number of wells monitored and the year to year change of water level.*

Performance Evaluation: SATISFACTORY

The District has satisfactorily met the performance standard of this objective. The District measured 98 water levels during the fiscal year.

See Attachment 07 for supporting documentation.

Objective: *Develop and maintain a Water Quality Monitoring Program (WQMP).*

Performance Standard: *Each year, beginning in 2008, the District will summarize within the annual report the monitoring activities including the number of wells monitored and the year to year change of water quality.*

Performance Evaluation: SATISFACTORY

The District satisfactorily met the performance standard of this objective. The District measured 244 water parameters during the fiscal year.

On June 4, 2013, the District received a report from Pastor, Behling and Wheeler related to an arsenic contamination plume near the City of Victoria Landfill.

See Attachment 08 for supporting documentation.

**Addressing Drought Conditions – 31TAC356.5 (a)(1)(F)
((Implementing TWC §36.1071(a)(6))**

Objective: *Collect and review drought condition information related to Victoria County and the surrounding region of Texas on a monthly basis.*

Performance Standard: *Each year, beginning in 2008, the District will summarize within the annual report the monthly drought information including Palmer Drought Severity Index (PDSI) maps and the Drought Preparedness Council Situation Report updates posted on the Texas Water Information Network website (www.txwin.net). Additionally, the number of weeks and/or months that the District experienced drought based on the PDSI will be reported in the annual report.*

Performance Evaluation: SATISFACTORY

The District has satisfactorily met the performance standard of this objective. The District Board of Directors was provided updates regarding the drought conditions within the District at regular board meetings. During FY12-13, the District experienced 11 months with drought conditions ranging from abnormally dry to moderate drought.

See Attachment 09 for supporting documentation.

Addressing Conservation, Recharge Enhancement, Rainwater Harvesting, Precipitation Enhancement, or Brush Control, Where Appropriate and Cost-Effective – 31TAC356.5 (a)(1)(G) (Implementing TWC §36.1071(a)(7))

X.A.6.a Conservation

Objective: Promote groundwater conservation within Victoria County.

Performance Standard: Each year, beginning in 2008, the District will summarize within the annual report the activities directly related to groundwater conservation including educational materials developed and delivered to local schools, cooperative educational contributions and grants, public speaking events and presentations, community event participation, and educational publications. Additionally, the number of activities participated in and the number of educational materials developed or disseminated each year will be reported in the annual report.

Performance Evaluation: SATISFACTORY

The District has satisfactorily met the performance standard of this objective. The District's exhibitor booth at the 2012 South Texas Farm and Ranch Show had over 10 different brochures, pamphlets, and other educational and promotional material directly related conservation, recharge enhancement, rainwater harvesting, and brush control. This event was attended by over 2,000 people. The District's booth had considerable attention and the conservation materials were collected by many attendees.

The District directly promoted conservation of groundwater resources through guest speaking engagements at Victoria West High School and the Victoria County Soil and Water Conservation District Awards Banquet during the fiscal year.

The District directly promoted conservation of water resources through its sponsorship of the Resource Action Groups WaterWise Program during the fiscal year.

See Attachment 04 for supporting documentation.

X.A.6.b Rainwater Harvesting

Objective: Promote rainwater harvesting within Victoria County.

Performance Standard: *Each year, beginning in 2008, the District will summarize within the annual report the activities directly related to promoting rainwater harvesting including the development and dissemination of educational materials via the district website and other educational events. Additionally, the number of activities participated in and the number of educational materials developed or disseminated each year will be reported in the annual report.*

Performance Evaluation: SATISFACTORY

The District has satisfactorily met the performance standard of this objective. The District's exhibitor booth at the 2012 South Texas Farm and Ranch Show had over 10 different brochures, pamphlets, and other educational and promotional material directly related to conservation, recharge enhancement, rainwater harvesting, and brush control. . This event was attended by over 2,000 people. The District's booth had considerable attention and the conservation materials were collected by many attendees.

The District directly promoted rainwater harvesting through guest speaking engagements at Victoria West High School during the fiscal year.

See Attachment 04 for supporting documentation.

X.A.6.c Recharge Enhancement

Objective: *Promote recharge enhancement within Victoria County.*

Performance Standard: *Each year, beginning in 2008, the District will summarize within the annual report the activities directly related to promoting recharge enhancement including the development and dissemination of educational materials via the district website and other educational events. Additionally, the number of activities participated in and the number of educational materials developed or disseminated each year will be reported in the annual report.*

Performance Evaluation: SATISFACTORY

The District has satisfactorily met the performance standard of this objective. The District's exhibitor booth at the 2012 South Texas Farm and Ranch Show had over 10 different brochures, pamphlets, and other educational and promotional material directly related to conservation, recharge enhancement, rainwater harvesting, and brush control. This event was attended by over 2,000 people. The District's booth had

considerable attention and the conservation materials were collected by many attendees.

The District directly promoted recharge enhancement through guest speaking engagements at Victoria West High School during the fiscal year.

X.A.6.e Brush Control

Objective: *Promote brush control within Victoria County.*

Performance Standard: *Each year, beginning in 2008, the District will summarize within the annual report the activities directly related to promoting brush control including the development and dissemination of educational materials via the district website and other educational events. Additionally, the number of activities participated in and the number of educational materials developed or disseminated each year will be reported in the annual report.*

Performance Evaluation: SATISFACTORY

The District has satisfactorily met the performance standard of this objective. The District's exhibitor booth at the 2012 South Texas Farm and Ranch Show had over 10 different brochures, pamphlets, and other educational and promotional material directly related to conservation, recharge enhancement, rainwater harvesting, and brush control. This event was attended by over 2,000 people. The District's booth had considerable attention and the conservation materials were collected by many attendees.

The District directly promoted brush control through guest speaking engagements at Victoria West High School during the fiscal year.

Fiscal Year 2012 - 2013 Annual Report
Attachment 01



Victoria County Groundwater Conservation District
 2805 N. Navarro St, Suite 210, Victoria, TX 77901
 Phone: (361) 579 - 6863 | FAX: (361) 579 - 0041
 www.vcgcd.org | admin@vcgcd.org

A signature of a VCGCD official is required for the document to be considered valid.

Well Registration Certificate: **WRC - GW-000551 - 01**

Well Registration Number: GW-000551		Application ID: ARW-20130702-03		Latitude: 28° 46' 48.638" N	
				Longitude: 97° 9' 3.938" W	
Grandfathered Status: Grandfathered	Exemption Status: Exempt Uses	Operational Status: Operational	Certificate Date: 8/5/2013		
Well Site Address: 4278 Coletoville Road Victoria Texas 77905					
Well Owner: Jack D. & Yvonne Foss					
Owner Entity: -					
Mailing Address: 4278 Coletoville Road Victoria Texas 77905					
Phone Numbers: 361-575-5178			Email: -		



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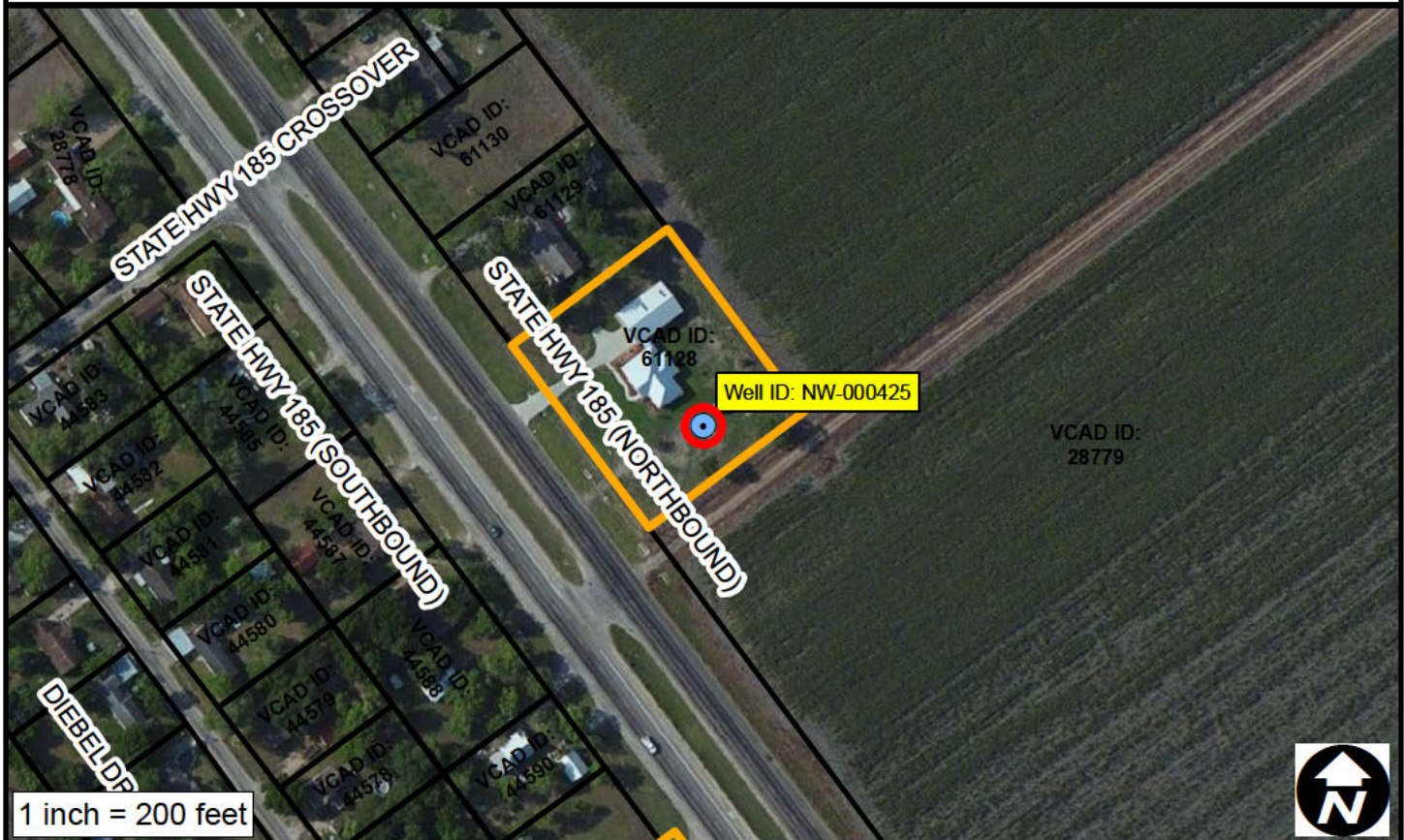


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A signature of a VCGCD official is required for the document to be considered valid.

Well Registration Certificate: **WRC - NW-000425 - 01**

Well Registration Number: NW-000425		Application ID: ARW-20130624-01		Latitude: 28° 40' 30.645" N	
				Longitude: 96° 54' 51.358" W	
Grandfathered Status: Non-Grandfathered	Exemption Status: Exempt Uses	Operational Status: Operational	Certificate Date: 6/28/2013		
Well Site Address: 10715 State Hwy. 185 South Victoria Texas 77905					
Well Owner: Janelle Baumbach Owner Entity: - Mailing Address: 10715 State Hwy. 185 South Victoria Texas 77905					
Phone Numbers: 361-897-1909			Email: janbaum@awesomenet.net		



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Fiscal Year 2012 - 2013 Annual Report
Attachment 02

Application_ID	Application Type	YearMonth	Application_Status_1	Application_Outcome
AAPC-20121012-03	Permit or Certificate Amendment Application	201210	Closed	Approved
ADW-20121009-01	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121011-02	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121012-01	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121015-01	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121016-01	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121017-03	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121018-01	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121022-04	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121022-05	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121022-03	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121022-01	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121023-01	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121023-02	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121024-02	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121024-01	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121025-01	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121029-01	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121030-01	Well Drilling Permit Application	201210	Closed	Approved
ADW-20121106-01	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121108-01	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121108-02	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121108-02	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121108-04	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121108-03	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121113-01	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121113-03	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121114-02	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121115-02	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121116-03	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121119-01	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121121-01	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121126-02	Well Drilling Permit Application	201211	Closed	Approved

ADW-20121126-01	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121128-02	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121129-01	Well Drilling Permit Application	201211	Closed	Approved
ADW-20121203-05	Well Drilling Permit Application	201212	Closed	Approved
ADW-20121203-01	Well Drilling Permit Application	201212	Closed	Approved
ADW-20121204-02	Well Drilling Permit Application	201212	Closed	Approved
ADW-20121206-01	Well Drilling Permit Application	201212	Closed	Approved
ADW-20121210-01	Well Drilling Permit Application	201212	Closed	Approved
ADW-20121212-01	Well Drilling Permit Application	201212	Closed	Approved
ADW-20121212-01	Well Drilling Permit Application	201212	Closed	Approved
ADW-20121213-01	Well Drilling Permit Application	201212	Closed	Approved
ADW-20121220-01	Well Drilling Permit Application	201212	Closed	Approved
ADW-20121221-01	Well Drilling Permit Application	201212	Closed	Approved
ADW-20121221-02	Well Drilling Permit Application	201212	Closed	Approved
ADW-20121221-01	Well Drilling Permit Application	201212	Closed	Approved
ADW-20130102-01	Well Drilling Permit Application	201301	Closed	Approved
ADW-20130103-01	Well Drilling Permit Application	201301	Closed	Approved
ADW-20130104-01	Well Drilling Permit Application	201301	Closed	Approved
ADW-20130107-01	Well Drilling Permit Application	201301	Closed	Approved
ADW-20130108-01	Well Drilling Permit Application	201301	Closed	Approved
ADW-20130115-01	Well Drilling Permit Application	201301	Closed	Approved
ADW-20130116-01	Well Drilling Permit Application	201301	Closed	Approved
ADW-20130116-02	Well Drilling Permit Application	201301	Closed	Approved
ADW-20130124-01	Well Drilling Permit Application	201301	Closed	Approved
ADW-20130125-01	Well Drilling Permit Application	201301	Closed	Approved
ADW-20130130-01	Well Drilling Permit Application	201301	Closed	Approved
ADW-20130131-01	Well Drilling Permit Application	201301	Closed	Approved
ADW-20130131-01	Well Drilling Permit Application	201301	Closed	Approved
ADW-20130204-01	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130205-02	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130205-03	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130205-01	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130206-01	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130211-01	Well Drilling Permit Application	201302	Closed	Approved

ADW-20130211-02	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130212-01	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130214-01	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130219-01	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130220-01	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130221-01	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130225-02	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130225-01	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130226-01	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130226-03	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130226-05	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130226-07	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130226-09	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130226-11	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130227-01	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130227-02	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130227-03	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130228-01	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130228-02	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130228-01	Well Drilling Permit Application	201302	Closed	Approved
ADW-20130301-02	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130301-03	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130301-04	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130301-05	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130305-01	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130311-01	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130312-02	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130312-01	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130314-02	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130314-01	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130314-03	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130319-01	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130321-01	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130322-02	Well Drilling Permit Application	201303	Closed	Approved

ADW-20130326-01	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130327-01	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130327-02	Well Drilling Permit Application	201303	Closed	Approved
ADW-20130401-02	Well Drilling Permit Application	201304	Closed	Approved
ADW-20130401-01	Well Drilling Permit Application	201304	Closed	Approved
ADW-20130402-01	Well Drilling Permit Application	201304	Closed	Approved
ADW-20130402-02	Well Drilling Permit Application	201304	Closed	Approved
ADW-20130402-03	Well Drilling Permit Application	201304	Closed	Approved
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ADW-20130411-01	Well Drilling Permit Application	201304	Closed	Approved
ADW-20130415-01	Well Drilling Permit Application	201304	Closed	Approved
ADW-20130415-02	Well Drilling Permit Application	201304	Closed	Approved
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ADW-20130419-02	Well Drilling Permit Application	201304	Closed	Approved
ADW-20130423-02	Well Drilling Permit Application	201304	Closed	Approved
ADW-20130423-01	Well Drilling Permit Application	201304	Closed	Approved
ADW-20130426-02	Well Drilling Permit Application	201304	Closed	Approved
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ADW-20130502-01	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130503-01	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130508-01	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130509-01	Well Drilling Permit Application	201305	Closed	Approved

ADW-20130514-01	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130514-02	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130514-03	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130515-01	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130516-01	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130517-01	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130522-01	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130522-08	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130523-01	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130528-01	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130528-02	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130529-01	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130530-02	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130530-01	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130530-04	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130531-04	Well Drilling Permit Application	201305	Closed	Approved
ADW-20130604-07	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130604-01	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130605-04	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130605-03	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130610-04	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130610-05	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130610-01	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130610-03	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130611-01	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130611-02	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130612-01	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130614-02	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130614-03	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130617-01	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130619-01	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130620-01	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130621-04	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130621-01	Well Drilling Permit Application	201306	Closed	Approved

ADW-20130621-02	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130624-02	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130625-01	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130625-02	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130625-03	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130625-04	Well Drilling Permit Application	201306	Closed	Approved
ADW-20130627-01	Well Drilling Permit Application	201306	Closed	Withdrawn
ADW-20130701-01	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130703-01	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130703-02	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130709-01	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130710-01	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130711-01	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130711-02	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130712-02	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130712-01	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130715-01	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130716-02	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130716-03	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130716-01	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130717-01	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130719-01	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130719-02	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130724-02	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130724-01	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130726-01	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130729-01	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130729-02	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130730-01	Well Drilling Permit Application	201307	Closed	Approved
ADW-20130801-01	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130801-02	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130805-01	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130806-01	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130807-01	Well Drilling Permit Application	201308	Closed	Approved

ADW-20130809-01	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130812-01	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130812-02	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130813-01	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130815-02	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130815-01	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130816-02	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130816-01	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130821-02	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130821-03	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130821-04	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130822-01	Well Drilling Permit Application	201308	Pending	N/A
ADW-20130827-01	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130828-01	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130830-03	Well Drilling Permit Application	201308	Closed	Approved
ADW-20130904-01	Well Drilling Permit Application	201309	Closed	Approved
ADW-20130904-02	Well Drilling Permit Application	201309	Closed	Approved
ADW-20130905-01	Well Drilling Permit Application	201309	Closed	Approved
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ADW-20130905-04	Well Drilling Permit Application	201309	Closed	Approved
ADW-20130909-01	Well Drilling Permit Application	201309	Closed	Approved
ADW-20130913-01	Well Drilling Permit Application	201309	Closed	Approved
ADW-20130917-01	Well Drilling Permit Application	201309	Closed	Approved
ADW-20130919-01	Well Drilling Permit Application	201309	Closed	Withdrawn
ADW-20130923-03	Well Drilling Permit Application	201309	Closed	Approved
ADW-20130923-01	Well Drilling Permit Application	201309	Closed	Approved
ADW-20130924-01	Well Drilling Permit Application	201309	Closed	Approved
ADW-20130924-02	Well Drilling Permit Application	201309	Closed	Approved
ADW-20130925-01	Well Drilling Permit Application	201309	Closed	Approved
ADW-20130925-02	Well Drilling Permit Application	201309	Closed	Approved
ADW-20130927-01	Well Drilling Permit Application	201309	Closed	Approved
ADW-20130927-02	Well Drilling Permit Application	201309	Closed	Approved
AOW-20121012-02	Well Operating Permit Application	201210	Closed	Approved
AOW-20121015-02	Well Operating Permit Application	201210	Closed	Approved

AOW-20121022-02	Well Operating Permit Application	201210	Closed	Approved
AOW-20121203-02	Well Operating Permit Application	201212	Closed	Approved
AOW-20121203-04	Well Operating Permit Application	201212	Closed	Approved
AOW-20121206-02	Well Operating Permit Application	201212	Closed	Approved
AOW-20130201-01	Well Operating Permit Application	201302	Closed	Approved
AOW-20130226-02	Well Operating Permit Application	201302	Closed	Approved
AOW-20130226-04	Well Operating Permit Application	201302	Closed	Approved
AOW-20130226-06	Well Operating Permit Application	201302	Closed	Approved
AOW-20130226-08	Well Operating Permit Application	201302	Closed	Approved
AOW-20130226-10	Well Operating Permit Application	201302	Closed	Approved
AOW-20130226-12	Well Operating Permit Application	201302	Closed	Approved
AOW-20130322-03	Well Operating Permit Application	201303	Closed	Approved
AOW-20130514-04	Well Operating Permit Application	201305	Closed	Approved
AOW-20130604-02	Well Operating Permit Application	201306	Closed	Approved
AOW-20130605-02	Well Operating Permit Application	201306	Closed	Approved
AOW-20130610-06	Well Operating Permit Application	201306	Closed	Approved
AOW-20130610-02	Well Operating Permit Application	201306	Closed	Approved
AOW-20130625-05	Well Operating Permit Application	201306	Closed	Approved
AOW-20130729-03	Well Operating Permit Application	201307	Closed	Approved
AOW-20130909-02	Well Operating Permit Application	201309	Closed	Approved
AOW-20130923-02	Well Operating Permit Application	201309	Closed	Approved
AOW-20130927-03	Well Operating Permit Application	201309	Closed	Approved
ARGNW-20121106-02	Well Registration and Historic Use Protection Permit	201211	Closed	Approved
ARGNW-20121119-02	Well Registration and Historic Use Protection Permit	201211	Closed	Approved
ARW-20121008-01	Well Registration Application	201210	Closed	Approved
ARW-20121017-04	Well Registration Application	201210	Closed	Approved
ARW-20121025-02	Well Registration Application	201210	Closed	Approved
ARW-20121025-04	Well Registration Application	201210	Closed	Approved
ARW-20121025-03	Well Registration Application	201210	Closed	Approved
ARW-20121102-01	Well Registration Application	201211	Closed	Approved
ARW-20121107-02	Well Registration Application	201211	Closed	Approved
ARW-20121107-01	Well Registration Application	201211	Closed	Approved
ARW-20121113-02	Well Registration Application	201211	Closed	Approved
ARW-20121114-03	Well Registration Application	201211	Closed	Approved

ARW-20121114-01	Well Registration Application	201211	Closed	Approved
ARW-20121115-01	Well Registration Application	201211	Closed	Approved
ARW-20121116-01	Well Registration Application	201211	Closed	Approved
ARW-20121116-02	Well Registration Application	201211	Closed	Approved
ARW-20121127-01	Well Registration Application	201211	Closed	Approved
ARW-20121203-03	Well Registration Application	201212	Closed	Approved
ARW-20121204-01	Well Registration Application	201212	Closed	Approved
ARW-20121206-03	Well Registration Application	201212	Closed	Approved
ARW-20121206-04	Well Registration Application	201212	Closed	Approved
ARW-20121206-05	Well Registration Application	201212	Closed	Approved
ARW-20121206-06	Well Registration Application	201212	Closed	Approved
ARW-20121206-07	Well Registration Application	201212	Closed	Approved
ARW-20121206-08	Well Registration Application	201212	Closed	Approved
ARW-20121206-09	Well Registration Application	201212	Closed	Approved
ARW-20130102-02	Well Registration Application	201301	Closed	Approved
ARW-20130103-03	Well Registration Application	201301	Closed	Approved
ARW-20130117-01	Well Registration Application	201301	Closed	Approved
ARW-20130123-01	Well Registration Application	201301	Closed	Approved
ARW-20130219-02	Well Registration Application	201302	Closed	Approved
ARW-20130301-01	Well Registration Application	201303	Closed	Approved
ARW-20130306-01	Well Registration Application	201303	Closed	Approved
ARW-20130312-03	Well Registration Application	201303	Closed	Approved
ARW-20130320-01	Well Registration Application	201303	Closed	Approved
ARW-20130322-01	Well Registration Application	201303	Closed	Approved
ARW-20130325-01	Well Registration Application	201303	Closed	Approved
ARW-20130401-03	Well Registration Application	201304	Closed	Approved
ARW-20130402-04	Well Registration Application	201304	Closed	Approved
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ARW-20130405-03	Well Registration Application	201304	Closed	Approved
ARW-20130411-02	Well Registration Application	201304	Closed	Approved
ARW-20130412-01	Well Registration Application	201304	Closed	Approved
ARW-20130425-01	Well Registration Application	201304	Closed	Approved
ARW-20130514-05	Well Registration Application	201305	Closed	Approved
ARW-20130514-06	Well Registration Application	201305	Closed	Approved
ARW-20130515-02	Well Registration Application	201305	Closed	Approved
ARW-20130520-02	Well Registration Application	201305	Closed	Approved
ARW-20130520-03	Well Registration Application	201305	Closed	Approved
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ARW-20130522-02	Well Registration Application	201305	Closed	Approved
ARW-20130522-07	Well Registration Application	201305	Closed	Approved
ARW-20130522-05	Well Registration Application	201305	Closed	Approved
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ARW-20130528-03	Well Registration Application	201305	Closed	Approved
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ARW-20130531-02	Well Registration Application	201305	Closed	Approved
ARW-20130531-01	Well Registration Application	201305	Closed	Approved
ARW-20130604-03	Well Registration Application	201306	Closed	Approved
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ARW-20130604-06	Well Registration Application	201306	Closed	Approved
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ARW-20130702-01	Well Registration Application	201307	Closed	Approved
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ARW-20130717-02	Well Registration Application	201307	Closed	Approved
ARW-20130717-04	Well Registration Application	201307	Closed	Approved

ARW-20130717-08	Well Registration Application	201307	Closed	Approved
ARW-20130717-10	Well Registration Application	201307	Closed	Approved
ARW-20130717-06	Well Registration Application	201307	Closed	Approved
ARW-20130729-04	Well Registration Application	201307	Closed	Approved
ARW-20130729-06	Well Registration Application	201307	Closed	Approved
ARW-20130729-08	Well Registration Application	201307	Closed	Approved
ARW-20130806-04	Well Registration Application	201308	Pending	N/A
ARW-20130806-02	Well Registration Application	201308	Pending	N/A
ARW-20130806-03	Well Registration Application	201308	Pending	N/A
ARW-20130813-02	Well Registration Application	201308	Closed	Approved
ARW-20130821-01	Well Registration Application	201308	Closed	Approved
ARW-20130830-02	Well Registration Application	201308	Closed	Approved
ARW-20130830-01	Well Registration Application	201308	Closed	Approved
ARW-20130904-03	Well Registration Application	201309	Closed	Approved
ARW-20130905-03	Well Registration Application	201309	Closed	Approved
ARW-20130911-01	Well Registration Application	201309	Closed	Approved
ARW-20130917-02	Well Registration Application	201309	Closed	Approved
ARW-20130927-04	Well Registration Application	201309	Closed	Approved
AVW-20121017-01	Historic Use Validation Permit Application	201210	Closed	Withdrawn
AVW-20121017-02	Historic Use Validation Permit Application	201210	Closed	Withdrawn
AVW-20130103-02	Historic Use Validation Permit Application	201301	Closed	Approved
AVW-20130405-05	Historic Use Validation Permit Application	201304	Closed	Approved
AVW-20130405-05	Historic Use Validation Permit Application	201304	Closed	Approved
AVW-20130515-03	Historic Use Validation Permit Application	201305	Closed	Approved
AVW-20130522-06	Historic Use Validation Permit Application	201305	Closed	Approved
AVW-20130522-04	Historic Use Validation Permit Application	201305	Closed	Approved
AVW-20130531-03	Historic Use Validation Permit Application	201305	Closed	Approved
AVW-20130717-03	Historic Use Validation Permit Application	201307	Pending	N/A
AVW-20130717-05	Historic Use Validation Permit Application	201307	Pending	N/A
AVW-20130717-09	Historic Use Validation Permit Application	201307	Pending	N/A
AVW-20130717-11	Historic Use Validation Permit Application	201307	Pending	N/A
AVW-20130717-07	Historic Use Validation Permit Application	201307	Pending	N/A
AVW-20130729-05	Historic Use Validation Permit Application	201307	Closed	Approved
AVW-20130729-07	Historic Use Validation Permit Application	201307	Closed	Approved

AVW-20130729-09	Historic Use Validation Permit Application	201307	Closed	Approved
AWR-20121008-02	Waiver or Variance Application	201210	Closed	Denied
AWR-20130415-03	Waiver or Variance Application	201304	Closed	Approved

Fiscal Year 2012 - 2013 Annual Report
Attachment 03



CID- 20130304 - 01

Victoria County Groundwater Conservation District

2805 N. Navarro St., Suite 210, Victoria, Texas 77901

(361)579-6863

FAX: (361)579-0041

Website: www.vcgcd.org

Email: admin@vcgcd.org

Complaint Form

Section 1: Complaint Information

COMPLAINT DETAIL			
Name of Person about whom this complaint is being made:			
KENNETH THREME			
Mailing Address: P.O. Box 42			
City: Meyersville	State: TX	Zip: 77974	
Phone 1:	Phone 2:		
WELL SITE or EVENT LOCATION INFORMATION			
Physical Address of Well or Event about which this complaint is being made.			
Address: Intersction of Ryan Rd. and Tate Rd.			
City: VICTORIA	State: TX	Zip: 77905	
Date of Event: March 4, 2013			
Nature of Complaint. Please describe your complaint and provide as much detail as possible. Attach additional pages if needed.			
Illegal drilling and construction OF A WATER WELL.			

Tim Andruss

CID-20130304-01

From: Kenneth Lynch <klynch12003@yahoo.com>
Sent: Monday, February 25, 2013 11:27 AM
To: admin@vcgcd.org
Subject: This is on the corner of Tate rd and Ryan. Rd. no drilling lic.# no company name
Attachments: photo.JPG; Untitled attachment 00083.txt

3/4/13

@ 10:02 AM - ARRIVE

- 27' from pavement

NO ONE HOME!

3/9/13 @ 4:15 PM

LIC. PLATE # BR 24338

CASING SET

3/11/13 @ 8:30 AM

LEFT VOICE MAIL REQUESTING
CALL BACK

3/11/13 @ 10:45

Mr. Theme - GRANDFATHERED NEW PROVIDED
REMARKING NEW INTER

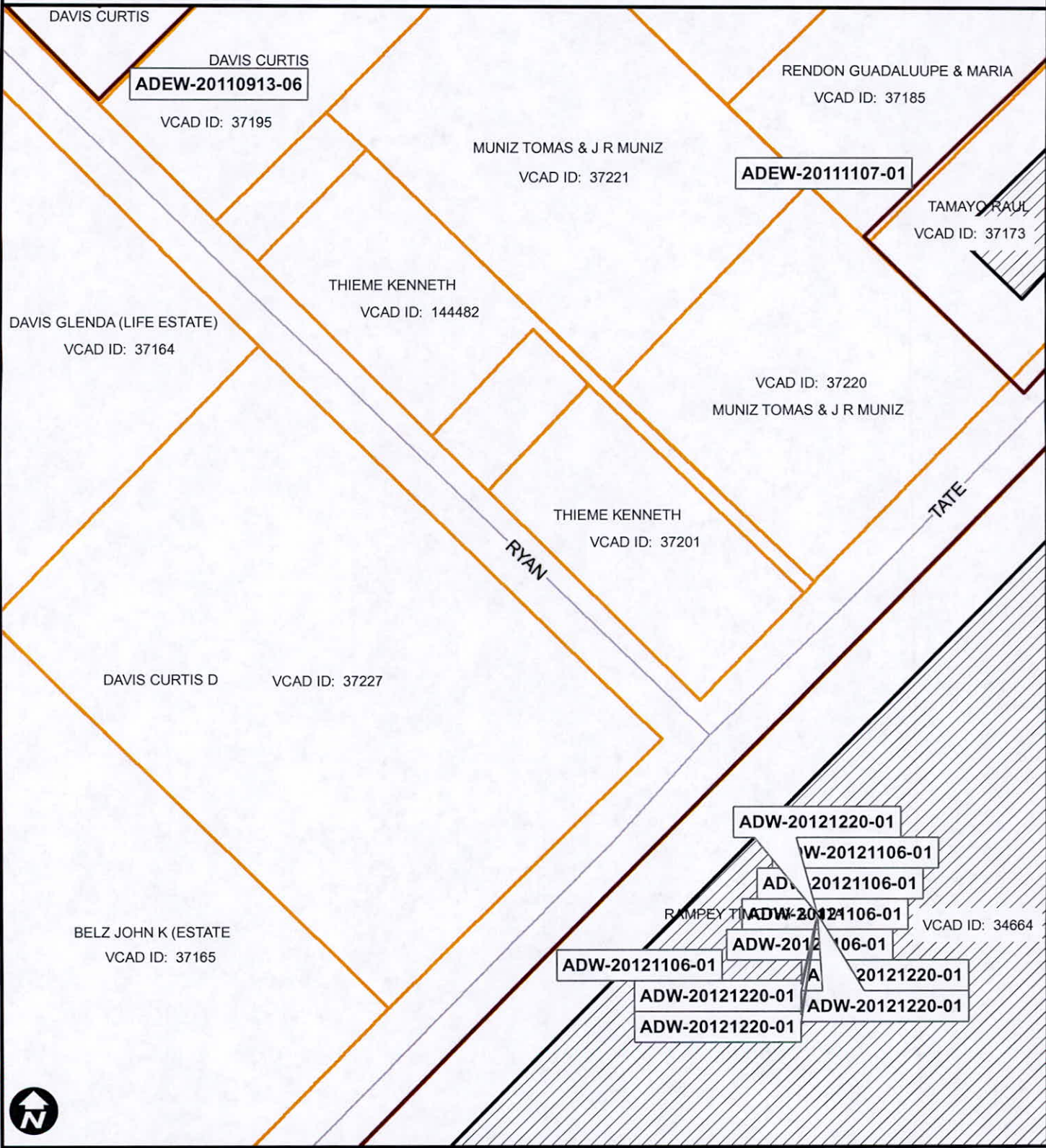


Victoria County Groundwater Conservation District
2805 N. Navarro St, Suite 210, Victoria, TX 77901
Phone: (361) 579 - 6863 | FAX: (361) 579 - 0041
www.vcgcd.org | admin@vcgcd.org

Date: 3/4/2013

Vicinity Map

1 inch = 100 feet
↔



Disclaimer: The records, files, and documents maintained by the Victoria County Groundwater Conservation District (District) contain data and information from many sources. The District can not guarantee the accuracy or validity of such data and information. The District specifically disclaims any warranty or guarantee relating to the accuracy or validity of any such data and information. All users of such data and information should conduct such investigation and review as necessary to independently determine the accuracy or validity of such data and information.

CID-20130304-01

Victoria County Groundwa



Directors:

Mark Meek
President

Jerry Hrc
Vice-Presi

March 5, 2013

Mr. Kenneth Thieme
P.O. Box 42
Meyersville, TX 77974

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

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MEYERSVILLE TX 77974

Postage	\$ 2.92
Certified Fee	\$ 3.10
Return Receipt Fee (Endorsement Required)	\$ 2.55
Restricted Delivery Fee (Endorsement Required)	\$ 0.00
Total Postage & Fees	\$ 8.57

0903
08
Postmark Here
03/05/2013

Sent To *Mr Kenneth Thieme*
Street, Apt. No., or PO Box No. *P.O. Box 42*
City, State, ZIP+4 *Meyersville, TX 77974*

PS Form 3800, August 2006 See Reverse for Instructions

VIA: Certified Mail RRR No.: 7011 3500 0002 1797 3792

RE: Alleged Violation of the Rules of Victoria County Groundwater Conservation District.

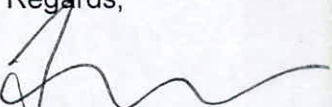
Mr. Thieme,

The Victoria County Groundwater Conservation District has been established to conserve, preserve and protect the groundwater resources within Victoria County through the creation and enforcement of rules related to drilling and operation of water wells. The District originally adopted its rules in 2008. The rules require landowners, amount other things, to obtain permits to drill water wells prior to initiating drilling activities and, in some instances, to obtain permits related to the operation of water wells.

Recently, the District was alerted to a situation located on your property. A photograph was submitted to the District that shows a drilling rig located on your property at the intersection of Ryan Rd. and Tate Rd. in the northern part of Victoria County. Based on the District's records, a drilling permit has not be applied for or issued for this property. On March 4, 2013, I visited the property to initiate my investigation of the situation. Unfortunately, I was not able to make contact with you or anyone else on the property. However, based on my inspection, it appears that a well is being drilled. This activity is a violation of the District's rules.

Please cease all drilling activity and contact the District immediately to address this issue. I have attached a copy of the photograph, an application for a drilling permit, and a copy of the District Rules.

Regards,


Tim Andruss
General Manager
Victoria County Groundwa
2805 N. Navarro St., Ste
Victoria, Texas 77901
Office: 361.579.6863
FAX: 361.579.0041
email: tim.andruss@vcg

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> <i>Kenneth Thieme</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>KEN THIEME</i> C. Date of Delivery <i>3-20-13</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address <input type="checkbox"/> No</p> <p><i>3-21-13 124</i> received in the office of</p>
<p>1. Article Addressed to: <i>Mr. Kenneth Thieme</i> <i>P.O. Box 42</i> <i>Meyersville, TX 77974</i></p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
<p>2. Article Number (Transfer from service label)</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>

2805 N. Navarro St. S

Victoria County



March 19, 2013

Mr. Kenneth W. Thieme
P.O. Box 42
Meyersville, Texas 77974

RE: ARW-20130312-03, ADW-20130312-02, CID-20130304-01, DP-20130319-01

Mr. Thieme,

I have processed your application to register the well (ARW-20130312-03). The well was assigned GW-000522 as its well registration number and designated as a grandfathered, exempt-use well. I have attached a copy of the Well Registration Certificate for GW-000522.

I have also processed your application to drill a well (ADW-20130312-02) and issued a drilling permit that authorizes the replacement of GW-000512 under the District's rules. I have attached a copy of the drilling permit (DP-20130319-01) Please note that you are required to satisfy all state, county and District rules and regulations regarding the permitting, drilling and completion of the replacement well.

The complaint and investigation (CID-20130304-01) regarding your recent well drilling activity will remain open until the well is completed or the well is plugged and abandoned. If the well is completed, you are required to submit to the District both a well registration application and a well drilling log. If the well is not completed, you are required to submit a well plugging log to the District.

Please let me know if you

Tim Andruss
General Manager
Victoria County Groundw
2805 N. Navarro St., Suite
Victoria, Texas 77901
Phone: 361-579-6863
FAX: 361-579-0041
Email: tim.andruss@vcgc

2805 N. Navarro St. Suite

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Certified Fee	\$3.10	06
Return Receipt Fee (Endorsement Required)	\$2.55	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 6.11	03/19/2013

Sent To: Mr. Kenneth W. Thieme
 Street, Apt. No., or PO Box No.: P.O. Box 42
 City, State, ZIP+4: Meyersville TX 77974

PS Form 3800, August 2006 See Reverse for Instructions

Dir: 1798 3531
Mark: 7011 3500 0002
Pre: 1798 3531

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neth Eller

3531

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Mr. Kenneth W. Thieme
P.O. Box 42
Meyersville, TX 77974

2. Article Number
 (Transfer from service label) 7011 3500 0002 1798 3531

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Kenneth W. Thieme Agent Addressee

B. Received by (Printed Name) KEN THIEME

C. Date of Delivery 3-22-13

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

Received
3-25-13
In the presence of

3. Service Type
 Certified Mail Registered Mail Return Receipt for Merchandise
 Registered Insured Mail

4. Restricted Delivery? (Extra Fee) Yes



Victoria County Groundwater Conservation District
 2805 N. Navarro St, Suite 210, Victoria, TX 77901
 Phone: (361) 579 - 6863 | FAX: (361) 579 - 0041
 www.vcgcd.org | admin@vcgcd.org

Tim Andruss

Digitally signed by Tim Andruss
 DN: cn=Tim Andruss, o=Victoria County
 Groundwater Conservation District, ou,
 email=tim.andruss@vcgcd.org, c=US
 Date: 2013.03.19 08:13:22 -0500'

A signature of a VCGCD official is required for the
 permit to be considered complete.

Drilling Permit

Permit ID: DP-20130319-01

Application ID: ADW-20130312-02

Permit Term: 180 Days

Permit Notes:

Replacement well to be drilled no closer
 to property line than existing well. See Rule 7.2

Landowner Information

Name: Kenneth W. Thieme

Entity: ---

Address: Box 42

City: Meyersville

State: Texas

Zipcode: 77974

Phone 1: 361-277-8019

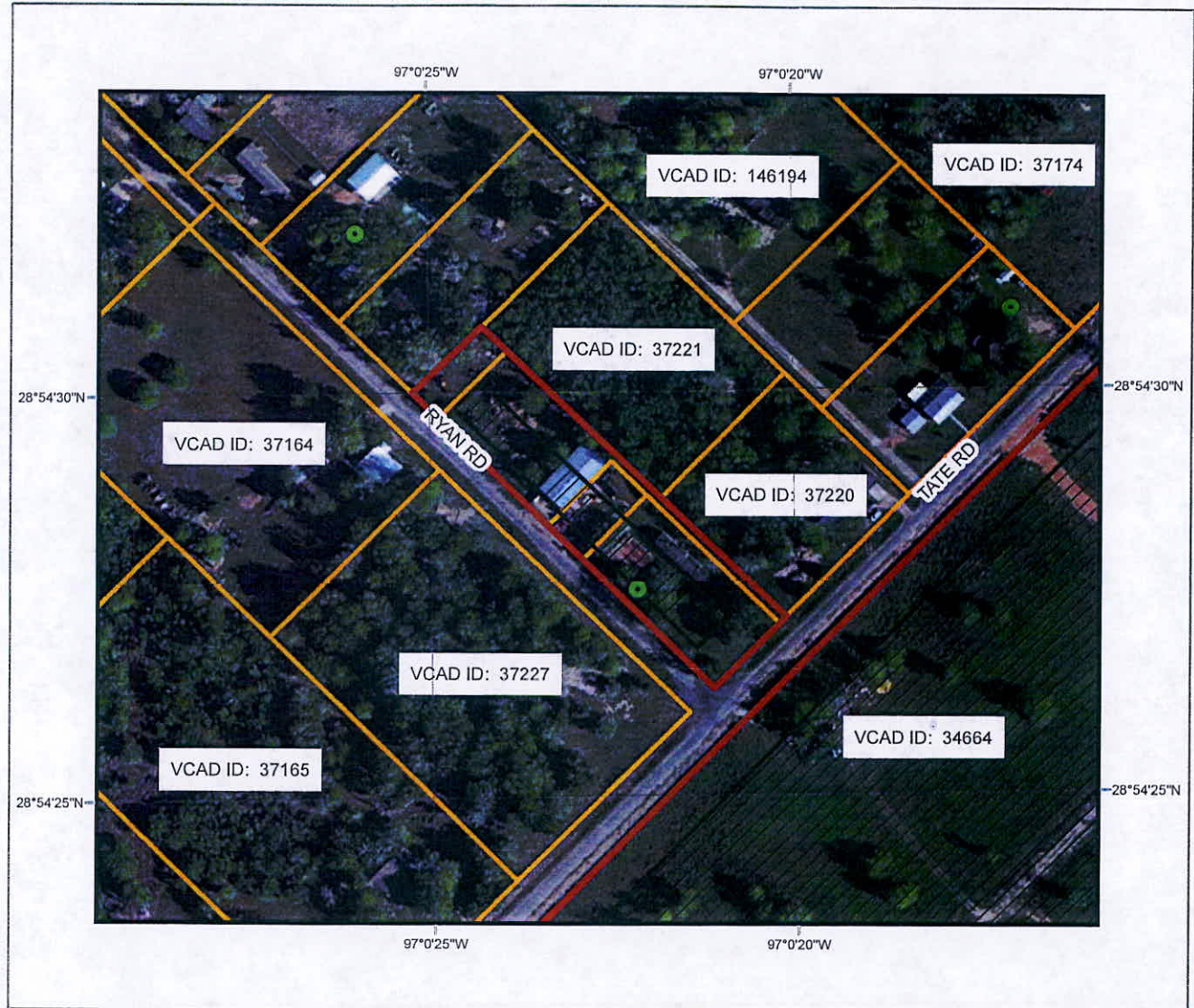
Email: ---

Well Site Description

Address: 62 Ryan Rd.

Crossroad: Tate Rd.

Acreage: 1.45



Disclaimer:
 The records, files, and documents maintained by the Victoria County Groundwater Conservation District (District) contain data and information from many sources. The District can not guarantee the accuracy or validity of such data and information. The District specifically disclaims any warranty or guarantee relating to the accuracy or validity of any such data and information. All users of such data and information should conduct such investigation and review as necessary to independently determine the accuracy or validity of such data and information.



Application Boundaries

Authorized Drilling Area

1 inch = 200 feet



CID-20130308-01



Victoria County Groundwater Conservation District
2805 N. Navarro St, Suite 210, Victoria, TX 77901
Phone: (361) 579 - 6863 | FAX: (361) 579 - 0041
www.vcgcd.org | admin@vcgcd.org

Tim Andruss
Digitally signed by Tim Andruss
DN: cn=Tim Andruss, o=Victoria County Groundwater Conservation District, ou, email=tim.andruss@vcgcd.org, c=US
Date: 2013.03.19 08:07:25 -0500
A signature of a VCGCD official is required for the document to be considered valid.

Well Registration Certificate: **WRC - GW-000522 - 01**

Well Registration Number: GW-000522		Application ID: ARW-20130312-03		Latitude: 28° 54' 27.549" N	
				Longitude: 97° 0' 22.173" W	
Grandfathered Status: Grandfathered	Exemption Status: Exempt Uses	Operational Status: Non-Operational	Certificate Date: 3/19/2013		
Well Site Address: 62 Ryan Rd. Victoria Texas 77904					
Well Owner: Kenneth W. Thieme					
Owner Entity: ---					
Mailing Address: Box 42 Meyersville Texas 77974					
Phone Numbers: 361-277-8019			Email: ---		



Victoria County



June 25, 2013

Mr. Kenneth Thieme
P.O. Box 42
Meyersville, Texas 77974

Directors:
Mark Meek
President

Via: (

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MEYERSVILLE TX 77974

Postage	\$	\$0.46
Certified Fee		\$3.10
Return Receipt Fee (Endorsement Required)		\$2.55
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$6.11



Sent To Mr. Kenneth Thieme
Street, Apt. No.,
or PO Box No. P.O. Box 42
City, State, ZIP+4 Meyersville TX 77974

PS Form 3800, August 2006 See Reverse for Instructions

7011 1570 0000 8281 7103

CID-20130304-01

RE: Requirement to submit State of Texas Well Report (Well Log), DP-20130319-01, CID-20130304-01

Mr. Thieme,

On May 16, 2013, the District visited the well site of 62 Ryan Rd. Based on the site visit and a phone conversation with you later that day, The District has determined that the well being drilled under drilling permit DP-20130319-01 has been completed.

The purpose of this letter is to remind you that you must submit a State of Texas Well Report (Well Log) to the Texas Department Licensing and Regulation as required 16 Texas Administrative Code, Chapter 76:

"(1) Every well driller shall transmit electronically through the Texas Well Report Submission and Retrieval System or deliver or send by certified mail, the original of the State of Texas Well Report to the department. Every well driller shall deliver or send by first-class mail a photocopy to the groundwater conservation district in which was drilled, well deepening, or

Please submit a copy address: 2805 N. Navarro St. 2013.

Regards,

Tim Andruss, General

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> <u>Tim Andruss</u> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>RIEN THIEME</u></p> <p>C. Date of Delivery <u>7-5-13</u></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p>
<p>1. Article Addressed to: <u>Mr. Kenneth Thieme</u> <u>P.O. Box 42</u> <u>Meyersville, TX 77974</u></p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7011 1570 0000 8281 7103</p>

Victoria County Groundwater Conservation District



Directors:

Mark Meek
President

Jerry Hroch
Vice-President

Via: Certified Mail RRR No.: 7011 1570 0000 82

August 6, 2013

Mr. Kenneth Thieme
P.O. Box 42
Meyersville, Texas 77974

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Postage	\$ 0.46
Certified Fee	\$ 3.10
Return Receipt Fee (Endorsement Required)	\$ 2.55
Restricted Delivery Fee (Endorsement Required)	\$ 0.00
Total Postage & Fees	\$ 6.11

0903 JAMES MODY STATION
10
Postmark Here
08/07/2013

Sent To	Mr. Kenneth Thieme
Street, Apt. No.; or PO Box No.	P.O. Box 42
City, State, ZIP+4	Meyersville TX 77974

PS Form 3800, August 2006 See Reverse for Instructions

Re: Complaint CID-20130304-01
Intersection of Ryan Road and Tate Road, Victoria, TX 77905
Illegal drilling and construction of a water well.

Mr. Kenneth Thieme,

The Victoria County Groundwater Conservation District Board of Directors is scheduled to meet on August 16, 2013 at 9:00 AM at 2805 N. Navarro St., Classroom 108, Victoria, Texas. At the meeting, the VCGCD Board will consider complaint CID-20130304-01 and the alleged violations of state statutes and District rules contained in the complaint. The VCGCD Board requests your attendance at the meeting.

Enclosed is a copy of the complaint as filed with the District.

If you have any questions,

Regards,

Tim Andrus, General

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) KENNETH THIEME</p> <p>C. Date of Delivery 8-21-13</p> <p>D. Is delivery address different from item 1? If YES, enter delivery address below: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>Mr. Kenneth Thieme P.O. Box 42 Meyersville TX 77974</p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7011 1570 0000 8281 7226</p>

Received

This form must be completed with the department within 60 days upon completion of the well.

Attention Owner: Confidentiality Privilege Notice on reverse side of owner's copy.

Texas Department of Licensing and Regulation Water Well Driller/Pump Installer Section P.O. Box 12157 Austin, Texas 78711 (512)463-7880 FAX (512)463-8616 Toll free (800)803-9202

Email address: water.well@license.state.tx.us Web address: www.license.state.tx.us

WELL REPORT



A. WELL IDENTIFICATION AND LOCATION DATA

1) OWNER

Name: KENNETH THIEME Address: 110 IDEUS City: MEYERSVILLE State: TX Zip: 77974

2) WELL LOCATION

Well # or # of wells drilled: NO DATA County: VICTORIA Physical Address: 62 RYAN City: VICTORIA

3) Type of Work

Reconditioning checked, Deepening unchecked

Lat. 28° 54' 27.549" N Long. 97° 0' 22.173W Grid #

4) Proposed Use (check) Monitor, Environmental Soil Boring, Domestic, Extraction, Frac, Industrial, Irrigation, Injection, Closed-Loop Geothermal, De-watering, Test well, Rig Supply, Stock, Public Supply

6) Drilling Date

Started 2/15/13 Completed 3/23/13

Table with 3 columns: Dia (in), From (ft), To (ft). Row 1: 8", Surface, 53 1/2

7) Drilling Method (check)

Mud Rotary checked, Bored, Air Rotary, Air Hammer, Cable Tool, Jetted, Hollow Stem Auger, Reverse Circulation, Other

Table with 3 columns: From (ft), To (ft), Description and color of formation material. Rows include TOP SOIL BROWN, TAN CLAY & SAND, SAND STONIE, SAND & SAND STONIE LIGHT BROWN, LIGHT BROWN SAND, SAND STONIE

8) Borehole Completion Open Hole, Straight Wall, Under-reamed, Gravel Packed, Other. Gravel packed interval from: 42 ft. to: 53 1/2 ft. Size: 20/40

Table with 5 columns: Dia (in), New Or Used, Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial, Setting (ft) From To, Gage Casing Screen. Rows include NEW PVC SLOTTED, NEW PVC

9) Annular Seal Data: i.e. (from 0 ft to 100 ft) #sacks & material 13 cement. from 41 ft to 40 ft #sacks & material 28 CEMENT, from 40 ft to 42 ft #sacks & material CLAY SEAL, Method Used DOWN THE HOLE Performed by KENNETH THIEME

13) Plugged

Well plugged within 48 hour. Cement/Bentonite placed in well. From (ft) To (ft) # Sacks & Material used

10) Surface Completion (If steel cased, leave blank) Surface Slab Installed, Surface Sleeve Installed, Pitless Adapter Used, Alternative Procedure Used

14) Type Pump

Jet checked, Turbine, Submersible, Cylinder, Other. Depth to pump bowls, cylinder, jet, etc. ft.

11) Water Level Static level 43 1/2 ft. below surface Date: 3/23/13 Artesian Flow gpm

15) Water Test

Type test Pump, Bailer, Jetted, Estimated. Yield: 2 gpm with NO DATA ft. drawdown after 1 hrs.

12) Packers table with columns: Type, Depth, Type, Depth

16) Water Quality

Type of water FRESH Depth of Strata: 34 FT. Was a chemical analysis made? No. Check One: Naturally poor-quality ground water - type, Hydrocarbons (i.e. gas, oil, etc.), Hazardous material/waste contamination encountered, Other (describe) FRESH WATER

By signing this well report, I certify that I drilled or supervised the drilling of this well and that each and all of the statements herein are true and correct.

Company & Individual's Name: (type or print) KENNETH THIEME Lic. No. Address: 110 IDEUS City: MEYERSVILLE State: TX Zip: 77974

Signature: Kenneth Thieme Date: 8/21/13 Signature: AVLEGO Date: FY12-13 Annual Report, Page 43 of 380

Fiscal Year 2012 - 2013 Annual Report
Attachment 04

Victoria County Groundwater Conservation District



Directors:

Mark Meek
President

Jerry Hroch
Vice President

Barbara Dietzel
Secretary

Thurman Clements
Kenneth Eller

2012 OCT 19 PM 1:02

VICTORIA COUNTY CLERK
VICTORIA COUNTY TEXAS
[Signature]

NOTICE OF MEETING VICTORIA COUNTY GROUNDWATER CONSERVATION DISTRICT BOARD OF DIRECTORS

Notice is given in accordance with Chapter 551-Government Code (V.T.C.A.) Texas Open Meetings Act that the Victoria County Groundwater Conservation District Board of Directors will conduct an educational booth at the South Texas Farm and Ranch Show, at the Community Center, 2905 East North St., Victoria, Texas.

Wednesday, October 24, 2012 – 10:00 A.M. to 7:00 P.M.
Thursday, October 25, 2012 – 10:00 A.M. to 5:00 P.M.

TO CONDUCT AN EDUCATIONAL BOOTH AT THE SOUTH TEXAS FARM AND RANCH SHOW

Please submit comments, questions, and requests for additional information to Tim Andruss of the Victoria County Groundwater Conservation District by mail at 2805 N. Navarro St., Suite 210, Victoria, Texas 77901, by email at admin@vcgcd.org, or by phone at (361) 579-6863.

Tim Andruss, General Manager

Date: 10/15/12

In Accordance with Title III of the Americans with Disabilities Act, we invite all attendees to advise us of any special accommodations due to disability. Please submit your request as far as possible in advance of programs you wish to attend.



SOUTH TEXAS FARM & RANCH SHOW

Received
5-2-12 Dy
in the office of



AN INVITATION TO EXHIBIT (CONTRACT INSIDE)

Don't miss the **2012 SOUTH TEXAS FARM & RANCH SHOW**. Held **Wednesday, October 24th & Thursday, October 25th, 2012** at the **Victoria Community Center, Victoria, Texas**.

We moved our show to the last full week in October. This was done to increase attendance – and it worked! Both farmers and ranchers were more free to attend as our dates were later in October — after typical harvest season.

Hold these dates on your calendar and reserve your booths now. We have a Web Page located at <http://southtexasfarmandranchshow.com>. You can check it to see what booths are available.

WHY EXHIBIT?

- ★ Increase Product Awareness
- ★ Speak for Your Product
- ★ Make Sales Contacts
- ★ Increase Profits...\$\$\$
- ★ Speakers & Programs – Designed for Maximum Exposure to Booths

WHY VICTORIA?

- ★ It's the "Crossroads" of the Coastal Bend
- ★ Over \$1 Billion in Ag Receipts in the "Crossroads" area
- ★ Free Public Admission to Show

COST COMPETITIVE?

- ★ You Bet!
- ★ No Salaried Personnel
- ★ Non-Profit Status
- ★ Booth Fees Include Electricity & Fork Lift Service

Fill out the enclosed contract and mail it in before September 1, 2012, listing your top choices for a booth. **Booths are reserved on a "first come first serve" basis.** We look forward to seeing you in October. **Please read thoroughly, including the back of the contract.**

Sincerely,

Gary Loest

Gary Loest, Chairman
South Texas Farm & Ranch Show

Joe Janak

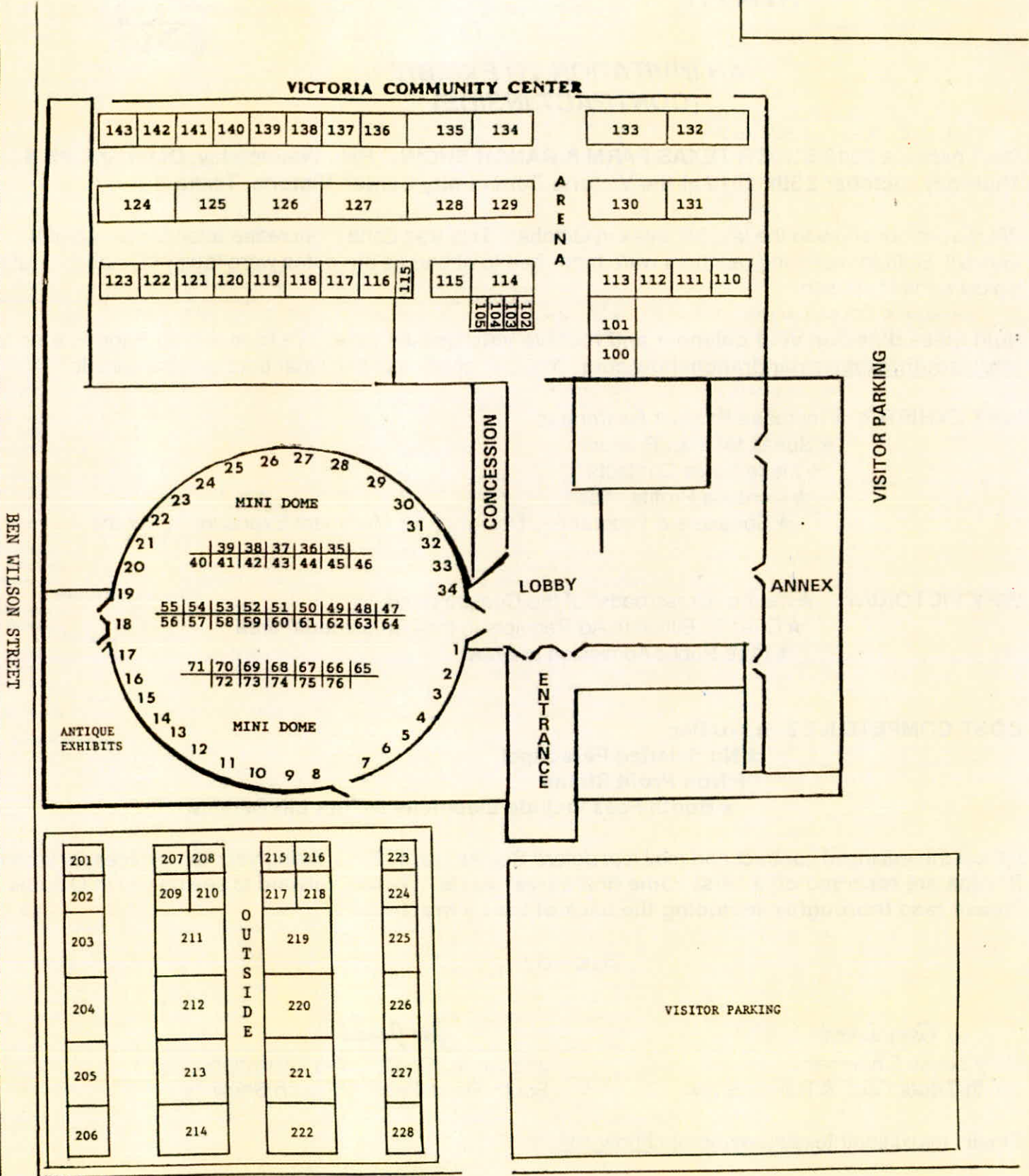
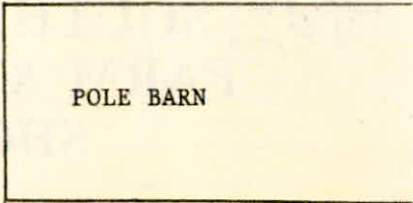
Joe Janak, Booth Sales Chairman
South Texas Farm & Ranch Show

Email: info@southtexasfarmandranchshow.com

SOUTH TEXAS FARM & RANCH SHOW

Victoria Community Center

Map is not to scale.



E. NORTH STREET

GENERAL INFORMATION

Set-Up Date/Time: Tuesday, October 23th, 2012 8:00 A.M. - 5:00 P.M. in the Arena and Outside areas.
 Noon - 5:00 P.M. for the Mini Dome.

Show Date/Time: Wednesday, October 24th. Open from 10:00 A.M. - 7:00 P.M.
 Thursday, October 25th. Open from 10:00 A.M. - 5:00 P.M.

Place: Victoria Community Center, 2805 E. North Street in Victoria, Texas.
 Seminars and other educations programs will be held in the adjacent Annex.

Security: Furnished around the clock Tuesday through show closing.

Booths: All booths are reserved on a first come first serve basis.

76 Mini Dome Booths are approximately 8'x9.5'; 4 Arena Booths are approximately 10'x10'. These Booths will have an 8 foot backdrop and side dividers of 3 feet, a 6' draped table, 2 chairs and a 7"x44" I.D. sign.

20 Arena Booths will be approximately 23'x20' and 14 Arena Booths will be approximately 23'x40'. These booths will be provided with a 6' draped table, 2 chairs and a 7"x44" I.D. sign.

27 Front Outside Parking Lot Booths with 12 - 20'x20' booth spaces, 8 - 20'x40' booth spaces, 8 - 40'x40' booth spaces and 2 - 40'x40' premium booth spaces.

One 110-volt electrical outlet per booth is furnished for booths in the Mini Dome area. Spaces located in the Arena and front Outside area will be provided with access to a 110-volt electrical outlet upon request. Additional equipment, decorations, etc. may be obtained from the official decorator at the expense of the exhibitor. Exhibitors are to furnish extension cords (if needed) for arena booths (100 ft) and outside booths (up to 300 ft).

Prices/ Fees: 8'x9.5' Mini Dome Booth Space - \$460 each

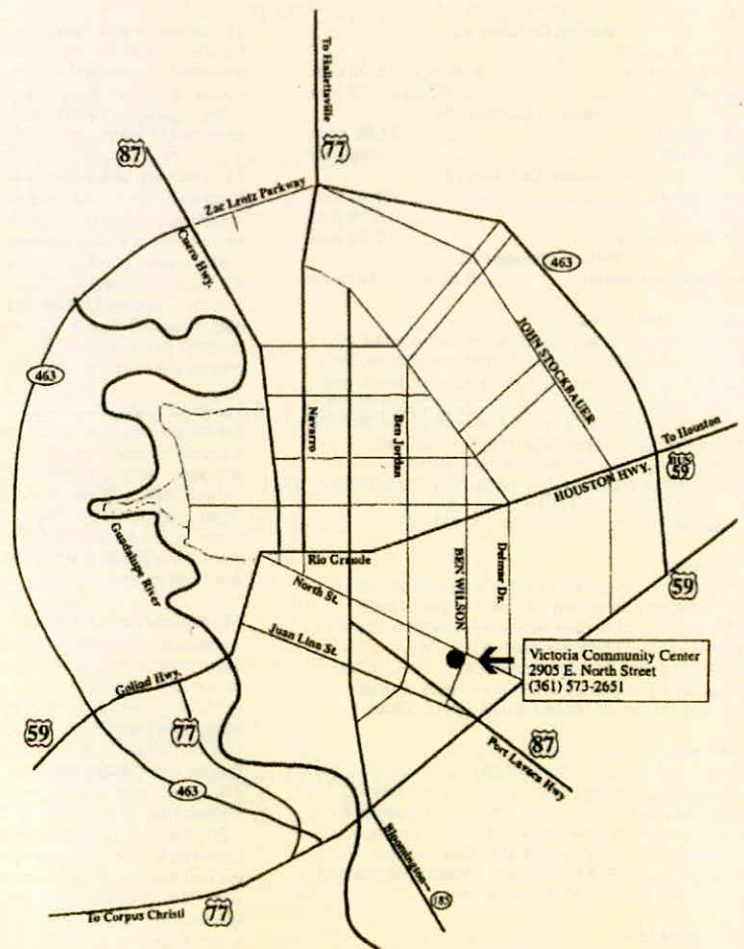
10'x10' Arena Booth Space - \$280 each
 23'x20' Arena Booth Space - \$275 each
 23'x40' Arena Booth Space - \$400 each

20'x20' Outside Booth Space - \$230 each
 20'x40' Outside Booth Space - \$290 each
 40'x40' Outside Booth Space - \$340 each
 40'x40' Outside Booth Space - \$650 each
 (207 - 210 & 215 - 219 Only)

A 10% late fee will be charged for registrations received after September 1, 2012

Food: An exhibitors hospitality will be provided for exhibitors Tuesday evening after set up. Food and beverage concessions will operate during the show hours.

Other Info: We will have fork lift service free of charge and some help available for unloading equipment on Tuesday, October 23th hours of 8:00 a.m. - 5:00 p.m. and beginning at 8:00 a.m. - 12:00 noon on Friday, October 26th for loading and moving out after the Show. An additional \$100 charge per item for use of fork lift will be made after the specified times listed. An exhibitor's information packet will be mailed to you containing booth confirmation the first part of October. For additional information, please call (361) 649-2243.



RULES AND REGULATIONS FOR EXHIBITORS

1. Sponsorship/Purpose

The Victoria South Texas Farm & Ranch Show (hereinafter referred to as "STFRS") is a non-profit show coordinated by a committee of volunteers organized by Victoria-South Texas Farm & Ranch Show, Incorporated. It's purpose is to foster acceptance of new technology and improve agricultural management techniques for farmers, ranchers and agribusinesses through coordination and sponsorship of activities such as the Farm & Ranch Show. The show enables attendees to see, hear and question the latest developments in equipment, supplies and services which are available to them.

2. General

The STFRS shall have full power to interpret these regulations. Matters not covered by the regulations shall be subject to a final decision by the STFRS steering committee. These regulations may be amended at any time by the STFRS upon written notice by the STFRS to such exhibitors as may be affected by them. The "Exhibitor Contract" form, when executed properly, shall be considered a binding agreement between the two parties. Exhibitors shall abide by federal, state and city laws, ordinances and regulations. Communication with reference to the STFRS should be addressed to: Gary Loest, Chairman; South Texas Farm & Ranch Show; 313 Kolodzey Rd., Victoria, TX 77905.

3. Eligible Exhibits

The STFRS reserves the right to determine the eligibility of any company, product, promotion or part thereof that, in its opinion, is not in keeping with the character and purpose of the show. Combustion engines will not be permitted to operate in the Mini Dome or arena areas.

4. Exhibit Dates, Days, Location

The South Texas Farm & Ranch Show will be located in the Victoria Community Center, Victoria, TX. The dates are as follows:

Tuesday, October 23

Exhibitor Move-In

Arena & Outside 8:00 a.m. - 5:00 p.m.

Mini Dome Noon - 5:00 p.m.

Wednesday, October 24

Show Opens 10:00 a.m.

Doors Close 7:00 p.m.

Thursday, October 25

Show Opens 10:00 a.m.

Doors Close 5:00 p.m.

Move-Out Begins 5:00 p.m.

Friday, October 26

Move-Out Completed 8:00 a.m. - 12 Noon

5. Assignment of Space

Priority will be given applicants according to when their request is received, availability of requested area, the amount of space requested and the special needs and compatibility of exhibitors. For safety precautions and in the event of conditions beyond its control, the STFRS reserves the right to rearrange the floor plan and relocate any exhibit upon consultation with any exhibitor. Please contact Joe Janak, P.O. Box 1045, Victoria, TX 77902, (361) 649-2243, for booth assignment.

6. Payment

Payment in full for exhibit space is due and payable when application is signed and sent to the STFRS. Exhibitors may not occupy assigned spaces until all monies due the STFRS are paid in full. Any applications received after September 1, 2012 will be charged an additional 10% late fee. Make checks payable to the South Texas Farm & Ranch Show.

7. Refunds for Cancellation

If written notice of space cancellation is received by the STFRS prior to October 1, 2012, 50% of the monies received will be refunded. No refund will be made for cancellations on or after October 1, 2012. Any space not occupied by 10:00 a.m. Wednesday, October 24, shall revert to the STFRS without obligation on the part of the STFRS for any refund whatsoever.

Email address:

info@southtexasfarmandranchshow.com

Web page address:

<http://southtexasfarmandranchshow.com>

8. Booth Equipment

Standard booth equipment consisting of backdrop and sidedrop curtains with frame, 1 draped table and 2 chairs per space are included with Mini Dome exhibit spaces. A standard sign bearing the company name is furnished for the backdrop at no extra charge. One 110-volt electrical outlet per space is furnished for spaces in the Mini Dome area. Spaces located in the arena area will be furnished with 1 draped table and 2 chairs per space, a standard sign bearing the company name and access to one 110-volt electrical outlet where needed. Must furnish own cords. Additional equipment, decoration, etc. may be obtained from the official contractor at the expense of the exhibitor. Exhibitors in outside booths must furnish own table and chairs or STFRS will supply 1 table and 2 chairs for \$40.00 per exhibitor. A standard sign bearing company name will be furnished upon request. Please let the STFRS know at least 14 days before set-up.

9. Booth Size

Booth size shall be determined as follows: An approximate 8'x9.5' Mini Dome space shall be approximately 9.5 ft. wide and approximately 8 ft. deep; an approximate 10'x10' Arena space shall be approximately 10 ft. wide and approximately 10 ft. deep; an approximate 20'x23' Arena space shall be approximately 20 ft. wide and approximately 23 ft. deep; an approximate 40'x23' Arena space shall be approximately 40 ft. wide and approximately 23 ft. deep; an approximate 20'x20' Outside space shall be approximately 20 feet deep and approximately 20 feet wide; an approximate 40'x40' Outside space shall be approximately 40 feet wide and approximately 40 feet deep.

10. Exhibitor Housing

Information on local hotel and motel accommodations will be forwarded to all exhibitors after space has been confirmed, all exhibitors will be responsible for making their own reservations for housing.

11. Subletting of Space

Exhibitors shall not assign or sublet any space allocated to them and may not advertise or display goods other than those manufactured or sold by them in the regular course of their business. The space assigned to the exhibitor is for exclusive use.

12. Delivery of Equipment

Each exhibitor will be responsible for the delivery of his equipment and/or display material to the exhibit hall and for removal of the equipment and/or display material. Fork lift service will be provided free of charge to all exhibitors requiring such services from 8:00 a.m. -5:00 p.m. on Tuesday, October 23, for unloading and beginning at 8:00 a.m.-12 noon, Friday, October 26, for loading. An additional \$100 charge per item fork lift charge will be made after these specified times.

13. Equipment Shipment

Exhibitors who must ship exhibit or demonstration supplies or equipment to the show should address the items to: Victoria Community Center; South Texas Farm & Ranch Show, Booth # ____; 2805 E. North Street; Victoria, TX 77901. Arrangements must be made by the exhibitor for unloading all items. Please notify John Stockbauer at (361) 573-2497 that such items will be arriving.

14. Installation of Exhibits

Installation of exhibits at the Community Center may commence at 8:00 a.m., Tuesday, October 23 (Noon for exhibits in the Mini Dome), with completion of move-in no later than 5:00 p.m., Tuesday, October 23. All exhibits are required to be operational by Wednesday, October 24, at 10:00 a.m. Exhibitors with exhibit spaces in the Mini Dome area will not be allowed to exhibit products or equipment that may damage the linoleum flooring. Weight of the exhibit shall not exceed 2,000 lbs. and must meet approval of STFRS Show Committee. Exhibit items in the Mini Dome must not exceed the size of the entry doors that are available for use. The dimensions of these entry doors are as follows: Mini Dome area 10 ft 6 in height x 12 ft 7 in width; Arena area - 14 ft height x 15 ft width. Exhibitors with outside exhibit spaces shall be responsible for any damages done to the outside parking lot when setting up.

15. No Flammable Materials

Combustible decorations such as crepe paper, hay, tissue paper, cardboard, corrugated paper shall not be used. All packing containers, excelsior, wrapping paper, etc. are to be removed from the floor and must not be stored under tables or behind displays.

16. Dismantling and Removal of Exhibits

ALL EXHIBITS MUST REMAIN INTACT UNTIL CLOSING! Exhibit closing time is 5:00 p.m. on Thursday, October 25, and may not be dismantled or removed before that hour. **NO LARGE EQUIPMENT WILL BE MOVED UNTIL SHOW CLOSING AT 5:00 P.M.!** All exhibits must be dismantled, packed and removed by 12 Noon, Friday, October 26. Exhibitors will complete arrangements for prompt pickup of all outbound shipments. Forklift services will be available to assist the exhibitor from 8:00 a.m.-12 Noon on Friday, October 26. An additional \$100 charge per item forklift charge will be made after these specified times. Exhibitors with outside exhibit spaces shall be responsible for any damages done to the outside parking lot when dismantling and removing exhibits.

17. Booth Construction and Arrangements

No display may extend beyond the following dimensions; higher than 8 feet from the back wall to 3 feet forward of the back wall and nothing over 42 inches in height shall extend forward for the remaining space to the front of the booth. All exposed parts of the display must be finished so as not to be objectionable to other exhibitors and/or the STFRS, or such will be draped by the STFRS and billed to the exhibitor. The only exception to this rule may be equipment booths, upon approval of the STFRS. **Generators may be used for outside booths only and must be placed away from other exhibitors in the parking lot perimeter using an extension cord to run in booth. Noise level must not disturb other exhibitors.**

18. Care of Exhibit Space

The STFRS will arrange for the sweeping of aisles daily. The exhibitors shall keep the space occupied by him in good order. Exhibitors may not place anything in the aisles during open hours of the show.

19. Booth Attendants

Each exhibitor must keep an attendant in his display during the open hours of the exhibits. All attendants must be bonafide employees or representatives of exhibitor.

20. Registration and Badges

All badges for a company will be held at the exhibitors' registration area under the company name. Admission to all show related hospitality functions will require a name badge.

21. Canvassing by Non-Exhibitors

The exhibit is limited to individuals, business firms, manufacturers, professional organizations and dealers who have contracted and paid for space assignments. No other persons or concerns will be permitted to demonstrate their products, solicit orders or distribute advertising materials in the convention facilities.

22. Distribution of Advertising Material

Circulars or advertising matter of the exhibitors may only be distributed within the booth assigned to the exhibitor. Such materials may not be distributed in areas other than the show facilities.

23. Liability

The exhibitor agrees to defend, indemnify and hold harmless the Victoria-South Texas Farm & Ranch Show, Incorporated, its Steering Committee, Victoria County Extension Service, Texas AgriLife Extension Service and the officers, agents, employees and volunteers from all actions, suits, claims, damages, losses and expenses including interest and attorney fees in connection with any personal injuries or property damages arising out of or in any way connected with the use of the exhibit space of the Victoria Community Center, its premises or any of the facilities or equipment located thereon, regardless of whether such damage or injuries are caused in part by someone other than the

SOUTH TEXAS FARM & RANCH SHOW LUNCH TICKETS

Lunches are on Wednesday (Oct 24th) and Thursday (Oct 25th) -\$8.00 each

12 noon to 1:00 pm

10/5/2012 – Called Trisha @ Vic Co. Extension Office and reserved (3) lunch tickets for Wednesday, and (6) lunch tickets for Thursday for Board Members.

They will be held at the Registration Booth at the Vic Comm. Center

VCGCD Members	Wednesday (Oct 24 th)	Thursday (Oct 25 th)
Tim	1	1
Mark	1	1
Jerry	0	2 (Jerry + 1 more)
Barbara	1	1
Thurman	0	0
Kenneth	0	1
Totals	3	6

2012
South Texas Farm & Ranch Show Speakers

1. Anderson, Dr. David - Extension Economist, Texas A&M AgriLife Extension Service, College Station, TX.
2. Appel, Dr. David - Extension Plant Pathologist, Texas A&M AgriLife Extension Service, College Station, TX.
3. Bade, Dr. David - Pennington Seed, College Station, TX.
4. Baker, Greg - Texas Department of Agriculture Pesticide Specialist, Matagorda, TX.
5. Barton, Melissa - Texas Department of Agriculture Pesticide Specialist, Victoria, TX.
6. Blakely, Doc - Wharton, TX.
7. Brooks, Rob - Dow AgroSciences, China, TX.
8. Clayton, Dr. Megan - Extension Range Specialist, Texas A&M AgriLife Extension Service, Corpus Christi, TX.
9. Damborsky, Ryan - Calhoun Co. Extension Agent Ag/NR, Texas A&M AgriLife Extension Service, Port Lavaca, TX.
10. Etheredge, Luke - Monsanto, Llanos, TX.
11. Grymes, Dr. Charlie - Dupont Crop Protection, Inez, TX.
12. Hargis, Van - Victoria, TX.
13. Humphreys, Joe - UH-V Small Business Development Center, Victoria, TX.
14. McAfee, Dr. James - Extension Turfgrass Specialist, Texas A&M AgriLife Extension Service, Dallas, TX.
15. O'Connor, T. Michael - Victoria County Sheriff, Victoria, TX.
16. Outlaw, Dr. Joe - Extension Economist, Texas A&M AgriLife Extension Service, College Station, TX.
17. Paschal, Dr. Joe - Extension Livestock Specialist, Texas A&M AgriLife Extension Service, Corpus Christi, TX.
18. Robinson, Dr. John - Extension Economist, Texas A&M AgriLife Extension Service, College Station, TX.
19. Stein, Dr. Larry - Extension Horticulture Specialist, Texas A&M AgriLife Extension Service, Uvalde, TX.
20. Stephens, Garry - Biologist, USDA-NRCS, Corpus Christi, TX.
21. Welch, Dr. Mark - Extension Economist - Texas A&M AgriLife Extension Service, College Station, TX.
22. Yanta, Brian - Goliad County Extension Agent, AG/NR, Texas A&M AgriLife Extension Service, Goliad, TX.
23. Veterinarians: Larry Garrett, D.V.M. - Cuero; Tom Moscatelli, D.V.M. - Victoria; Lois Cochran, D.V.M. - Cuero; Sam Williams, D.V.M. - Victoria
24. Pasture to Plate - Various Speakers
25. Young, Mac, Extension Program Specialist, Texas A&M AgriLife Extension Service, Corpus Christi

2012 PASTURE TO PLATE
Wednesday & Thursday
9 a.m. — 2 p.m.

Educational program for 3rd graders in Victoria County Sessions Offered: Balancing Food & Play, MyPlate, Moo U, Meet Your Meat, Pizza Garden, From Fisherman to Pork, Farm in My Lunch Box
RSVP: By Friday, September 21st, 2012, Texas A&M AgriLife Extension Service 361-575-4581
SPACE IS LIMITED

Extension programs serve people of all ages regardless of socioeconomic level, race, color, sex, religion, disability or national origin. The Texas A&M University System, U.S. Department of Agriculture, and the County Commissioners Courts of Texas cooperating.

8th ANNUAL SCHOLARSHIP
GOLF TOURNAMENT
Proceeds benefit area youth

Date: Tuesday, October 23, 2012
Time: 8:00 a.m. Tee Time
Where: Colony Creek Country Club, Victoria, TX
Contact: David Dierlam, 361-575-3224 or Gill Dollins, 361-573-3371 for arrangements.

Come play for your chance on a "hole in one" to win a new 3/4 Ton Silverado Chevrolet Truck sponsored by Atzenhoffer Chevrolet. Winner is responsible for TTL on truck.



Purchase your LUNCH TICKETS by Mon., Oct. 22nd, 5:00 p.m. from Victoria County Extension Office 528 Waco Circle (Airport area)

Excellent Programs & Luncheons



SHOW SCHOLARSHIPS:

The South Texas Farm & Ranch Show awarded scholarships totaling \$12,250 to seniors in 2012. Since 1991, the South Texas Farm & Ranch Show has awarded \$109,750 to deserving high school seniors pursuing an agriculture related degree.

2012 recipients are:

Kelly Garrett	Cuero	\$1750
Kelli Rothmann	Calhoun	\$1500
Cody Malzer	Calhoun	\$1250
Caitlin Orsak	Sacred Heart	\$1250
Kimberly Depine	Victoria East	\$1250
Kelsea Hempel	St. Joseph	\$1250
Breana Tater	Industrial	\$1000
James Studer	Industrial	\$1000
Bradley Berkenhoff	Moulton	\$1000
Ryan Hessler	Industrial	\$1000

Congratulations!



Color Photos by Hartman Creative Images
\$1,000 Show Sponsors



\$500 Sponsors

Capital Farm Credit
Dow Chemical Company
DuPont Crop Protection
First Victoria Bank
Goldman, Hunt, & Notz, LLC
New Distributing, Inc.
NewFirst National Bank
South Texas Electric Cooperative
Toyota of Victoria
TrustTexas Bank
Vic-Cal Grain Company

\$250 Sponsors

Helena Chemical Co.
IBC Port Lavaca
Killebrew Chrysler Jeep Dodge
Rice Belt Warehouse, Inc.
Sonic of Victoria & Port Lavaca
South Texas Cotton & Grain Association
Texas AgFinance
Texas Corn Producers
Texas Grain Sorghum Producers
Wells Fargo Bank, N.A.

Coordinated by:

South Texas Farm & Ranch Show Committee
Texas A&M AgriLife Extension Service - Victoria County

Individuals with disabilities who require an auxiliary aid, service or accommodations in order to participate in these meetings are encouraged to contact the County Extension Office at (361) 575-4581 to determine how reasonable accommodations can be made.

Our 28th Show

2012
South Texas
Farm & Ranch Show



<http://southtexasfarmandranchshow.com>

October 24 — 25, 2012

Victoria Community Center
2905 E. North St.
Victoria, Texas
Phone # 361-575-4581



FREE ADMISSION
to show;
\$10.00 per person per
day to
attend educational
programs.

OVER 125 EXHIBIT BOOTHS

TEXAS A&M
AGRI LIFE
EXTENSION

CEU's Offered:

TDA: 10 hours
1-L&R, 2-IPM, 7-Gen.

BQA: 4 hours

SOUTH TEXAS FARM & RANCH SHOW SCHEDULE

Numbers listed represent speaker's names on reverse side.

\$10/person/day admission to attend any/all educational programs except for Lunch and Dinner

Wednesday, Oct. 24, 2012	Dome, Arena, Grounds	Jaycee Hall	Annex 1 (Stage Area)	Annex 2	Annex 3
7:00 a.m.		Registration / Breakfast Sponsored by First Victoria; South Texas Electric Cooperative	Registration / Breakfast Sponsored by New Distributing; DuPont Crop Protection		Registration / Breakfast Sponsored by Vic-Cal Grain Company; NewFirst National Bank
7:30-10 a.m.		CATTLEMEN'S COLLEGE: Rebuilding the Cow Herd1 Beef Market Outlook8 Are your Pastures Ready for Restocking?17 Options for Rebuilding Your Herd17 TDA-1 Gen BQA-2	AGRICULTURAL ENTERPRISE FINANCIAL MANAGEMENT: Learning Financial Lingo13 Cash Flow Analysis in Agriculture13 Farm Assistance Program—Financial Planning and Analysis25 TDA-1 Gen		PESTICIDE LICENSE TRAINING9, 22 (To obtain a license)
10-11 a.m.	See 125 Farm & Ranch Exhibit Booths Open 10:00 a.m. to 6:30 p.m. No Admission Fee	PASTURE TO PLATE (9:00 a.m. - 2:00 p.m.) Pre-registered 3rd Grade Youth Program 24	Pesticide Laws and Regulations4, 5 TDA-1 L&R		
11-12 noon			LUNCHEON: BORDER SECURITY, CHALLENGES FOR LANDOWNERS AND LAW ENFORCEMENT T. Michael O'Connor, Victoria County Sheriff Tickets - \$8.00		
12-1 p.m.			FARM POLICY UPDATE AND MARKET OUTLOOK		
1:30-2 p.m.			Feed Grain Market Outlook21 Cotton Market Outlook18 Farm Bill Update16 TDA-1 Gen		
2-3 p.m.			TURFGRASS MANAGEMENT: Selection and Care of Home Lawns14 TDA-1 Gen		
3-4 p.m.			HORSE TRAINING WORKSHOP—ARENA12		
4-5:30 p.m.			GOLDEN CRESCENT VET RANCH SEMINAR & BBQ DINNER: \$9 Pre-Sale \$10.00 at the door - Replacement, Female Selection, Beginning Goat Management, Veterinary/ Client Communication, Pregnancy Loss in Cattle, Goats for Brush Control23		
6-9 p.m.					
Thursday, Oct. 25, 2012	Dome, Arena, Grounds	Jaycee Hall	Annex 1 (Stage Area)	Annex 2	Annex 3
6:30 a.m.		Registration / Breakfast Sponsored by Capital Farm Credit; Toyota of Victoria	Registration / Breakfast Sponsored by Dow Chemical Company; TrustTexas Bank		
7:00 a.m.		CATTLEMEN'S COLLEGE: Grazing Management (Optimizing Forage Productivity)7, 11 New developments in Pasture Herbicides8 Pasture Renovation and Recovery with Herbicides20 Practical Application of Soil Surveys20 Supplementing Nitrogen with Legumes3 TDA-2 Gen BQA-2	NEW TECHNOLOGIES IN ROW CROP PRODUCTION Managing Weed resistance10 Dicamba Tolerant Cotton - Monsanto10 TDA-2 GEN		
8-10 a.m.			TREE SYMPOSIUM Drought Effects on Trees Critical Texas Tree Diseases Tree Replacement Options2 TDA-1 Gen, 1 IPM		
10-11 a.m.	See 125 Farm & Ranch Exhibit Booths Open 10:00 a.m. to 5:00 p.m. No Admission Fee	PASTURE TO PLATE (9:00 a.m. - 2:00 p.m.) Pre-registered 3rd Grade Youth Program 24	LUNCHEON: STUFF THAT WORKS Doc Blakely—Humorist Tickets - \$8.00		
11-12 noon			HOME FRUIT AND NUT PRODUCTION19 TDA-1 Gen, 1 IPM		
12-1 p.m.					
1:30-2 p.m.					
2-3 p.m.					
3-3:30 p.m.					
3:30-5 p.m.	HORSE TRAINING WORKSHOP—ARENA12				



T. Michael O'Connor

Purchase your LUNCH TICKETS by Oct. 22nd, 5:00 p.m. from Victoria County Extension Office 528 Waco Circle (Airport area)

Luncheon Sponsors:



Doc Blakely



South Texas Farm and Ranch Show
P O Box 1045
Victoria Texas 77902

Receipt for

2012 South Texas Farm and Ranch Show exhibitor booth space

Received from: Victoria County Groundwater District

For Exhibitor Booth Space #: 46

Amount Paid: \$460

Amount Due: 0

Check #: 2427

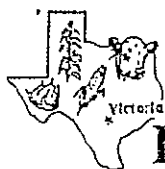
See you at our show October 24-25, 2012

Thank you,

Joe Janak
Exhibit Booth Chairman
Email: joejanak@nodial.net
Ph #: 361-649-2243

Indexed as GR1025-26A
Record Index ID # 5497

2012



SOUTH TEXAS FARM & RANCH SHOW

10-31-11
10-31-11
KE

For STFRS Use Only:

Date: _____

Payment Received: \$ 4100.00

Check/MO #: # 2427

Booth(s) Assigned: _____

Accepted By: _____

October ²⁴26 - October ²⁵27, 2012
Victoria Community Center

EXHIBITOR CONTRACT

Firm Name: Victoria County Coronovates Phone: (361) 579-6863

Mailing Address: 2005 N. NAVARRO, Ste. 210 City: Victoria

State: TX Zip: 77901 E-Mail Address: admin@vcgcd.org

# Booths Wanted	See Booth Layout for Booth Location Size	Cost Per Booth	Booth No.(s) Preference			Total Price
			1st Choice	2nd Choice	3rd Choice	
<u>1</u>	8' x 10' Mini Dome Booth Space(s)	\$460.00	<u>410</u>			<u>\$460.00</u>
	10 x 10' Arena Booth Space(s)	\$280.00				
	23' x 20' Arena Booth Space(s)	\$275.00				
	23' x 40' Arena Booth Space(s)	\$400.00				
	20' x 20' Outside Booth Space(s)	\$230.00				
	20' x 40' Outside Booth Space(s)	\$290.00				
	40' x 40' Outside Booth Space(s)	\$340.00				
	40' x 40' Premium Outside Booth Spaces 207 - 210 & 215 - 218 Only	\$650.00				
TOTAL RENTAL FEES						<u>\$460.00</u>
Add 10% Fee if Submitted After 10/1/11						
TOTAL DUE						<u>\$460.00</u>
MAKES CHECKS PAYABLE TO: SOUTH TEXAS FARM & RANCH SHOW						

IMPORTANT: Please list all items or services you plan to exhibit so we can promote your booth and business:

ALL EXHIBITS MUST REMAIN INTACT UNTIL SHOW CLOSURES.

I have read the rules and regulations for exhibitors enclosed with this form and agree to abide thereby.

Signature: [Signature] Title: General Mgr. Date: 10-27-11

Please include address for mailing exhibitor's package if different from the above address: _____

This application will be deemed acceptable only when signed, paid in full and returned to: South Texas Farm & Ranch Show, P.O. Box 1045, Victoria, TX 77902 (361) 575-4581

Admission to all show related hospitality functions will require a name badge. Please complete the reverse side of this form before returning your contract and payment.

2012

2011 South Texas Farm & Ranch Show

October ²⁴26 - October ²⁵27, 2011-2012

Victoria Community Center
2805 E. North Street

NAME BADGE REQUEST FORM

BADGES WILL BE AVAILABLE AT CHECK IN ON OCTOBER 25, 2011

Admission to all show related hospitality functions will require a name badge. Please check the appropriate box, complete the necessary information and return the completed information, contract and payment.

Please note there is a limit of six free exhibitor badges per booth space purchased.

FIRM NAME: Victoria County Groundwater Conservation Dist.

We are requesting name badges for the following representatives. Please print or type.

1. Mark Meek, VCGCD President
2. Jerry Hoch, VCGCD Vice President
3. Barbara Dietzel, VCGCD Secretary
4. Kenneth Eller, VCGCD Director
5. Thurman Clements, VCGCD Director
6. Tim Andruss, VCGCD General Mgr.

At this time, we do not know who will be representing our firm. Please reserve _____ (number) blank name badges which we will complete upon check-in at the South Texas Farm & Ranch Show.



Signature

EXHIBITOR'S EVALUATION

2011 SOUTH TEXAS FARM & RANCH SHOW

In order to help us plan for and promote future Farm & Ranch Shows, we request your honest answers in completing the following questionnaire concerning this year's Show. A Show official will pick up your questionnaire or you may leave it at the registration table when complete.

1. Were you pleased with the number of people attending this Show?

	<u>YES</u>	<u>NO</u>
Wednesday	<u>X</u>	___
Thursday	<u>X</u>	___
Overall	<u>X</u>	___

2. Were you pleased with the facilities provided at the Show? YES X NO ___

3. Please rate the following activities on how you, as an exhibitor, felt these activities were handled by the Show management?

	<u>EXCELLENT</u>	<u>GOOD</u>	<u>FAIR</u>	<u>POOR</u>	<u>N/A</u>
Moving equipment in/setup	<u>X</u>	___	___	___	___
General Show hospitality		___	___	___	___
Evening social/hospitality for exhibitors		___	___	___	___
John Sharp - Wednesday Lunch		___	___	___	___
Evelyn Browning Garriss - Thursday Lunch		___	___	___	___
Educational Programs		___	___	___	___
Publicity for the Show		___	___	___	___
Security	<u>X</u>	___	___	___	___

5. How many Shows of this type do you exhibit in each year? 1-2

6. How many people represented your company at our Show? 4

7. How many miles did you travel one way to attend our show? LOCAL GOVT

8. Counting hotel nights, dinners, drinks, gas/fuel, etc., about how much did you and/or your company spend in our community for all your representatives during this show? Please consider all nights/events, etc. \$ N/A

9. To help us promote the show, please list the total value of your exhibit at our show? \$ N/A

10. What did you like about the South Texas Farm & Ranch Show?
VERY WELL OPERATED SHOW w/ EXCELLENT ATTENDANCE

11. What did you not like about the Show?

12. Do you feel the Show was a worthwhile endeavor for your company? YES X NO
13. Would you be interested in exhibiting at our show next year? YES X NO
14. In your opinion, were these programs beneficial in bringing potential clients to our Show?
 Educational Programs held both days YES X NO
 Private Pesticide CEU's offered both days YES NO
 Veterinary Ranch Seminar (Wednesday's 6:30-9:00 pm program) YES X NO

15. Please mark your preference for Show's closing times for each day.
- | | | | |
|---------------------|-------------|--------------------|-------------|
| WEDNESDAY 6:00 P.M. | <u>X</u> | THURSDAY 5:00 P.M. | <u>X</u> |
| 7:00 P.M. | <u> </u> | 6:00 P.M. | <u> </u> |
| 8:00 P.M. | <u> </u> | 7:00 P.M. | <u> </u> |
| 9:00 P.M. | <u> </u> | 8:00 P.M. | <u> </u> |

16. Please list suggestions for speakers for next year's show.

17. Please list other suggestions for additions to next year's Show.

18. Please mark where your booth was located:
 Dome X, Arena , Outside , Antique Exhibits

19. Please estimate the number of contacts you made as a result of the South Texas Farm & Ranch Show.

	Wednesday	Thursday
Excellent business contacts	<u>30+</u>	<u>30+</u>
Good business contacts	<u> </u>	<u> </u>
Fair business contacts	<u>10+</u>	<u>10+</u>

20. What do you estimate is the potential sales results within the next year due to these contacts?
 \$

WE APPRECIATE YOU COMPLETING THIS QUESTIONNAIRE AND EXHIBITING AT THE 2011 SOUTH TEXAS FARM & RANCH SHOW.

To continue our quality show and give all visitors a chance to see, we ask that your booth be fully open until the show closes at 5 p.m. and you refrain from packing your exhibit early.

Thank you!

Donna Yanta

From: JoeJanak <joejanak@nodial.net>
Sent: Thursday, October 04, 2012 8:08 PM
To: admin@vcgcd.org
Subject: South Texas Farm & Ranch Show
Attachments: STFRS Exhibitor confirmation letter.doc; STFRS Exhibitor Booth Layout .pdf; 2012 STFRS Flyer - 8.5x14 inch paper.pdf; STFRS Contract Rules & Regs.2012.pdf; Victoria County ceipt.doc



SOUTH TEXAS FARM & RANCH SHOW

South Texas Farm and Ranch Show
P O Box 1045
Victoria Texas 77902

To: 2012 STFRS Exhibitor

Please respond by email when you receive this so we know your email is good.

We have your space reserved at the South Texas Farm & Ranch Show to be held in Victoria, Texas October 24 – 25, 2012 and are glad you are going to be a big part of our 28th show. See attached receipt for your exhibit booth number(s).

Our show booths are nearly all full and we anticipate a great show of exhibitors as well as attendees. Remember, setup is October 23rd (after noon in the mini-dome) and teardown after 5 p.m. on the 25th or before noon on the 26th.

Besides you and our other exhibitors, we have a great lineup of educational programs for our visitors. See the attached show flyer which prints two-sided on 8.5" x 14" paper. Please send this digitally to your clientele so they can come see you at the show. If you want several hundred slick-printed paper copies of the flyer to hand out to clientele, request these from the Victoria County Extension office at 361-575-4581.

With this letter, find a receipt showing your company's booth space and payment which you can print for your records. Also for your convenience, find the booth layout and the show's rules and regulations.

After reviewing your contract and information, if you need additional items such as extra tables, carpet, etc. please give me a call otherwise the normal booth allocation will be provided.

See you at our show October 24-25, 2012

Thank you,

Joe Janak



SOUTH TEXAS FARM & RANCH SHOW

South Texas Farm and Ranch Show
P O Box 1045
Victoria Texas 77902

To: 2012 STFRS Exhibitor

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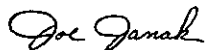
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See you at our show October 24-25, 2012

Thank you,



Joe Janak
Exhibit Booth Chairman
Email: joejanak@nodial.net
Ph #: 361-649-2243

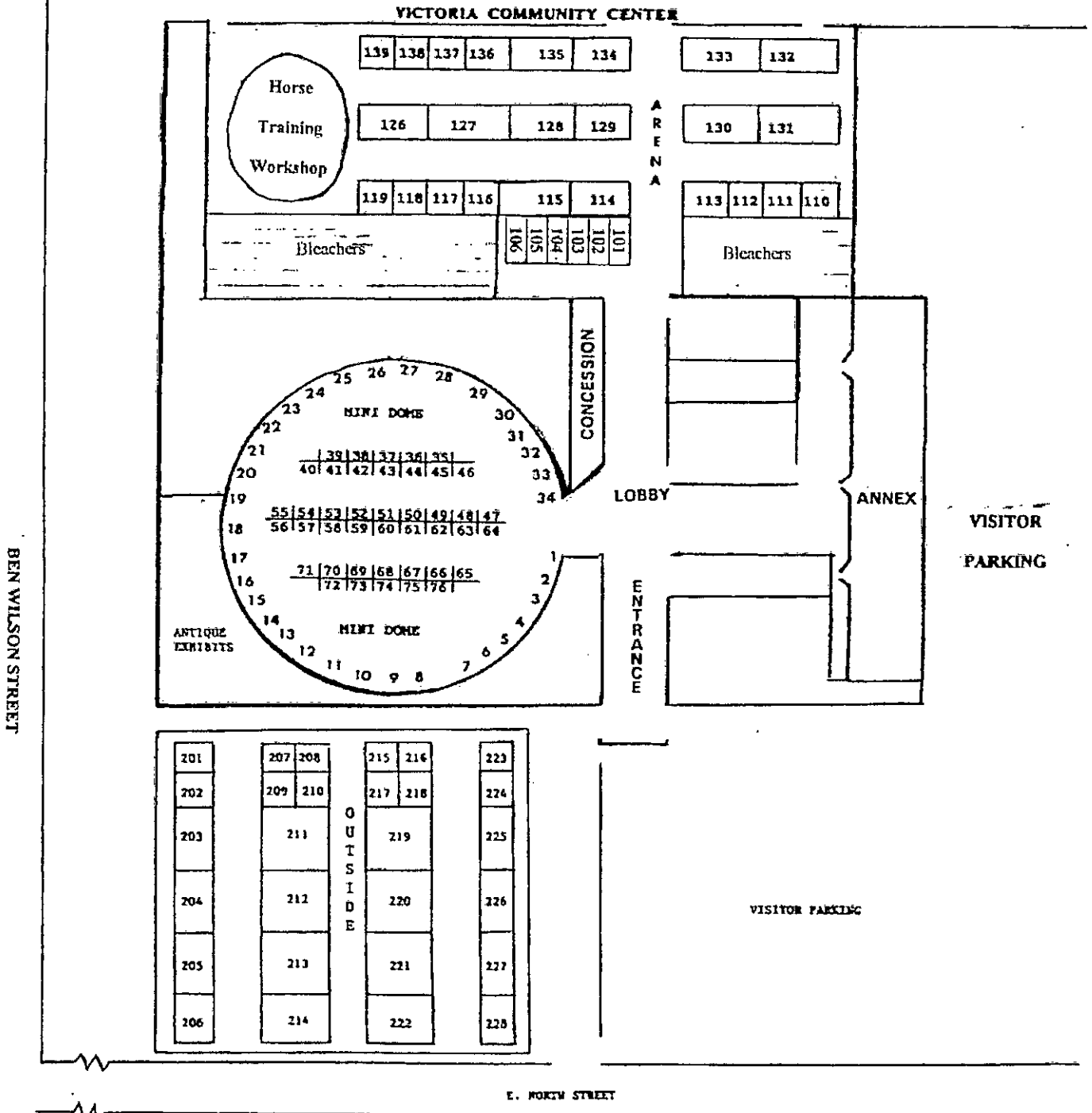
Encl. – (All attachments print on 8.5" x 11" paper except the show flyer)

Exhibitor booth receipt
STFRS booth layout
STFRS rules and regs.
STFRS flyer

SOUTH TEXAS FARM & RANCH SHOW

Victoria Community Center

Map is not to scale.



• Joe Janak
Exhibit Booth Chairman
Email: joejanak@nodial.net
Ph #: 361-649-2243

Encl. – (All attachments print on 8.5” x 11” paper except the show flyer)

Exhibitor booth receipt

STFRS booth layout

STFRS rules and regs.

STFRS flyer

9th Annual

Received
5-2-12 by
in the office of

SOUTH TEXAS FARM & RANCH SHOW



GOLF TOURNAMENT

4-Man Scramble



Tuesday, October 23, 2012

Tee Time: 8:00 a.m.

@ Colony Creek Country Club

*Watch for details beginning in August
on our website:*

www.southtexasfarmandranchshow.com

Official Show Dates:

Wednesday & Thursday, October 24 & 25, 2012

Join Us!

Proceeds benefit the

South Texas Farm & Ranch Show

Scholarship Fund!

**If interested in playing
team or individual, please call either**

David Dierlam @ (361) 575-8655

or (361) 920-0250

Gill Dollins @ (361) 573-3371

or (361) 648-9698

Comments or Questions

Name and Mailing Address:

Phone Number:

() —

Email Address:

Comment / Question / Request:

Please submit this portion of the brochure to:
Victoria County Groundwater Conservation District
2805 N. Navarro St., Ste. 210, Victoria, Tx 77901

The Victoria County Groundwater Conservation District is a political subdivision of the State of Texas created by the Texas Legislature in 2005 (Special District Local Laws Code Chapter 8812) and was confirmed by 73 percent of the voters in November 2005.

The District funds its operation through the collection of a small ad valorem tax. The fiscal year 2009-2010 tax rate was set at 0.955 cents per \$100 taxable value by the VCGCD Board of Directors.

The VCGCD Board of Directors is comprised of locally-elected board members - one member from each county precinct as well as an at-large member.

VCGCD Board of Directors: The board of directors is comprised of 5 elected members.

Precinct 1:	Mr. Jerry Hroch
Precinct 2:	Mr. Thurman S. Clements, Jr.
Precinct 3:	Mrs. Barbara Dietzel
Precinct 4:	Mr. Mark Meek
At Large:	Mr. Kenneth Eller

VCGCD Staff: The District employs two staff members to carry out the district operations.

General Manager:	Mr. Timothy Andruss
Admin. Assistant:	Mrs. Janet Eager



**VICTORIA COUNTY
GROUNDWATER
CONSERVATION
DISTRICT**

District Overview

Working to conserve, preserve, protect, and prevent waste of groundwater resources within Victoria County for the benefit of Victoria County's landowners, citizens, economy, and environment.

Office Address:

**Victoria County Groundwater
Conservation District
Dr. Patti Dodson Health Center
2805 N. Navarro St., Suite 210
Victoria, Texas 77901**

Phone: 361-579-6863
FAX: 361-579-0041
E-mail: admin@vcgcd.org

WWW.VCGCD.ORG

Victoria County Groundwater Conservation District Activities

Management Plan & District Rules

Since the formation of the District, the District's directors, staff, and consultants have worked with local stakeholders to gather input regarding the management and rules of the District. In October 2008, the VCGCD Board of Directors approved the District's first management plan and adopted the first set of rules.

The District's management plan and rules can be downloaded from the following web addresses:

www.vcgcd.org/ManagementPlan.html
www.vcgcd.org/Rules.html

Well Registration and Validation of Historic Use

In order to protect historic groundwater use, to grandfather well spacing of existing wells, and support management activities, the District has implemented a water well registration and validation program.

Registration of grandfathered exempt wells (see District Rules for Exempt Well Definition) is voluntary and is a simple and free process of indicating where the water well is located. Registration of an exempt well is accomplished by submitting the following form: **Well Registration Application for Grandfathered Exempt Wells**.

Registration of non-exempt wells (see District Rules for Non-Exempt Well Definition) is not voluntary. With the registration of these wells, applicants are able to request validation of historic use. Registration of a non-exempt well is accomplished by submitting the following form: **Well Registration Application for Grandfathered Non-Exempt Wells**.

Water Well Permitting

The District, through the adoption of the District rules, requires new water wells to be permitted prior to drilling and in some instances prior to pumping. Generally speaking, if a new well will be used for non-exempt uses or is drilled, constructed, or equipped to produce more than 28,800 gallons per day, then an operating permit is required prior to pumping the well.

Regional Planning

The State of Texas relies on regional water planning efforts to coordinate the water planning activities of Texas. The District actively participates in the regional planning efforts.

The District is completely contained within Groundwater Management Area 15 (GMA 15) and is one of the voting members of GMA 15. Currently, GMA 15 is focused on the development of its Desired Future Condition (DFC) as required by Texas Water Code. The DFC will be used to compute the Managed Available Groundwater (MAG) within the GMA as well as Victoria County

which will impact permitting by the District. The MAG is the estimated amount of groundwater that theoretically could be produced and achieve the DFC. The initial DFC must be submitted to TWDB by September 2010.

In addition, the District is a voting member of the South Central Texas Regional Planning Group (Region L). Region L is currently developing the Regional Water Plan which identifies the water management strategies to be used to match available water supplies to future water needs within the Region L boundary.

Monitoring & Studies

The District conducts water quality and water level monitoring activities as well as sponsors hydrogeologic studies of the aquifer such as the Coletto Creek Surface Water / Groundwater Study.

District Meetings

The District holds monthly meetings which are open to the public. The meetings are scheduled for the 3rd Friday of each month. Meeting agendas are published in advance on the District website.

www.vcgcd.org/Meetings.html

Registration Concepts

Exempt Well: a well that is used solely for domestic purposes or for providing water for livestock, poultry or personal recreational use that is drilled, completed, or equipped so that it is incapable of producing more than 28,800 gallons (20 gpm) of groundwater per day; or a well otherwise exempt under the provisions of Section 36.117, Water Code.

Non-Exempt Well: a water well that is not an "Exempt Well" requiring a permit authorizing groundwater production.

Grandfathered Well: a well that existed prior to the original adoption of the District rules (Oct. 3, 2008) and is not abandoned. The well is not subject to the spacing requirements of the District. Grandfathered wells are either an exempt well or non-exempt well. Wells drilled after Oct. 3, 2008 are considered new wells and are not grandfathered.

Validation of Historic Use: the process of obtaining a validation permit authorizing groundwater production for a specific quantity for a specific purpose of use based on evidence of such production during the District's validation period (Jan. 1, 1990 to Oct. 3, 2008).

Frequently Asked Questions about Water Well Registration

Why does VCGCD wish to register water wells in Victoria County? The registration of water wells directly supports the District's efforts to achieve its mission to conserve, preserve, protect and prevent waste of Victoria County's groundwater resources.

What are the benefits of registration to the well owner? The benefits include: proper offset of new wells; improved communication between the District and well owners; and opportunity to participate in the District's programs.

Does VCGCD require all water wells to be registered? No. Registration of grandfathered exempt wells is voluntary. Registration is required prior to production of groundwater from a non-exempt well.

Does VCGCD require meters on wells? No. Under no circumstances are meters required. However, groundwater production from non-exempt wells must be reported accurately. Operators of non-exempt wells may choose to use meters for reporting purposes or other adequate measuring techniques.

Does VCGCD charge a fee to register water wells? No. The VCGCD Board has explicitly set a \$0.00 fee for well registration.

Does VCGCD require extensive documentation about a well for it to be registered. No.

Does VCGCD allow existing wells to be used as they were in the past (Historic Use)? Yes. See Validation of Historic Use.

Does VCGCD grandfather wells that existed prior to the district being formed? Yes. Primarily applies to well spacing requirements.



VICTORIA COUNTY
GROUNDWATER
CONSERVATION
DISTRICT

Water Well Registration

In order to protect historic groundwater use, to grandfather well spacing of existing wells, and support aquifer management activities, the District has implemented a water well registration and validation program. Through this program, the District will develop a water well inventory of water wells within Victoria County.

Office Address:

**Victoria County Groundwater
Conservation District
Dr. Patti Dodson Health Center
2805 N. Navarro St., Suite 210
Victoria, Texas 77901**

Phone: 361-579-6863
FAX: 361-579-0041
E-mail: admin@vcgcd.org

WWW.VCGCD.ORG

Information about Water Well Registration in Victoria County, Texas

Exempt Water Wells

Registration of grandfathered exempt wells is voluntary and can be achieved by submitting basic information about the well to the District. In particular, the registration application must include the well owners name, mailing address, well address/ location, and the number of wells being registered at that location. Optional information about the well construction such as well casing data, screening depth, pump size can be submitted and will aid the District in developing county-level pumping estimates and selection of wells for inclusion in the District's monitoring programs. (Participation in District monitoring programs is voluntary.) Registration of grandfathered exempt wells is applied for using the ***Well Registration Application for Grandfathered Exempt Wells***.

Registration of new exempt wells is automatic and accomplished through the drilling permit approval process for new wells.

After the District completes its processing of the registration application, the District will generate a well registration certificate that documents the well ID, owner name, and exempt status. A copy of the certificate is sent to the well owner for record-keeping purposes.

Non-Exempt Water Wells

Registration of grandfathered non-exempt wells is required and should be initiated prior to groundwater production for non-exempt uses. The information required for registering non-exempt wells is more detailed. In particular, the identification of the well's precise location (i.e. GPS coordinate) is required. Additional information, if known, should be submitted on the application as well. Registration of grandfathered non-exempt wells is applied for using the ***Well Registration Application for Grandfathered Non-Exempt Wells*** application.

Registration of new non-exempt wells is automatic and accomplished through the drilling permit and operating approval process for new wells.

After the District completes its processing of the registration application, the District will generate a well registration certificate that documents the well ID, owner name, and authorized use. A copy of the certificate is sent to the well owner for record-keeping purposes.

After the registration process is complete, the historic use validation process will be initiated.

Historic Use Validation

Grandfathered non-exempt wells are eligible for validation of historic use. The successful completion of the validation process results in the District approving a validation permit. The validation permit documents and authorizes future production (pumping) of groundwater in a specific amount for a specific use from a specific well. (Groundwater production from non-exempt wells must be authorized by either a validation permit or an operating permit.)

Validation of historic use is applied for using the ***Well Registration Application for Grandfathered Non-Exempt Wells***. In addition to the information required to register the non-exempt well such as well owner information, well location, well construction information, the applicant seeking validation of historic groundwater production must submit evidence supporting the applicant's claim regarding the amount of groundwater pumped historically and the purpose of its use.

The VCGCD Board, after a public hearing, will determine the appropriate conditions for the validation permit including the authorized annual production amount and purpose of use.

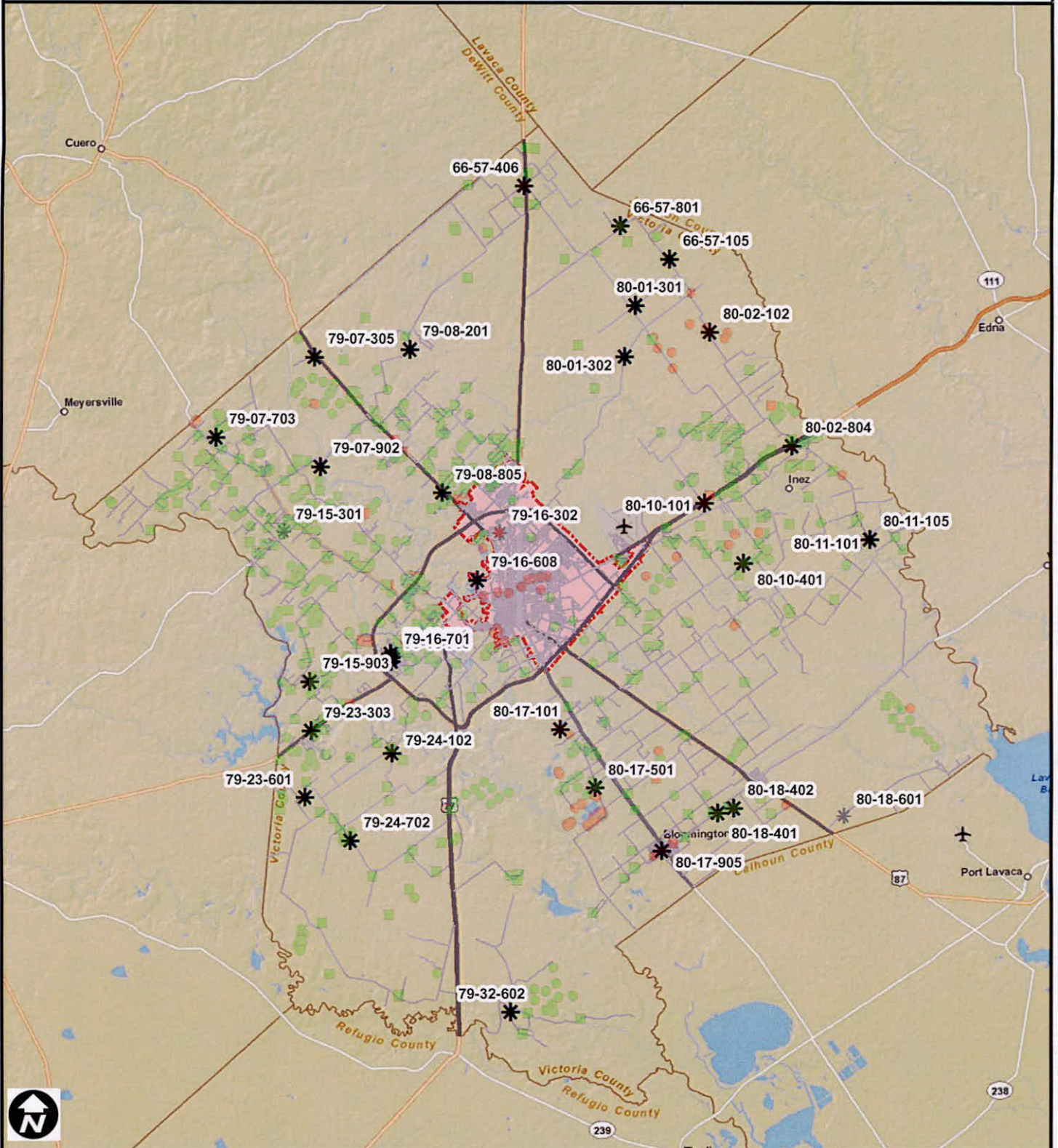


Victoria County Groundwater Conservation District
 2805 N. Navarro St, Suite 210, Victoria, TX 77901
 Phone: (361) 579 - 6863 | FAX: (361) 579 - 0041
 www.vcgcd.org | admin@vcgcd.org

Date: 10/24/2012

Vicinity Map

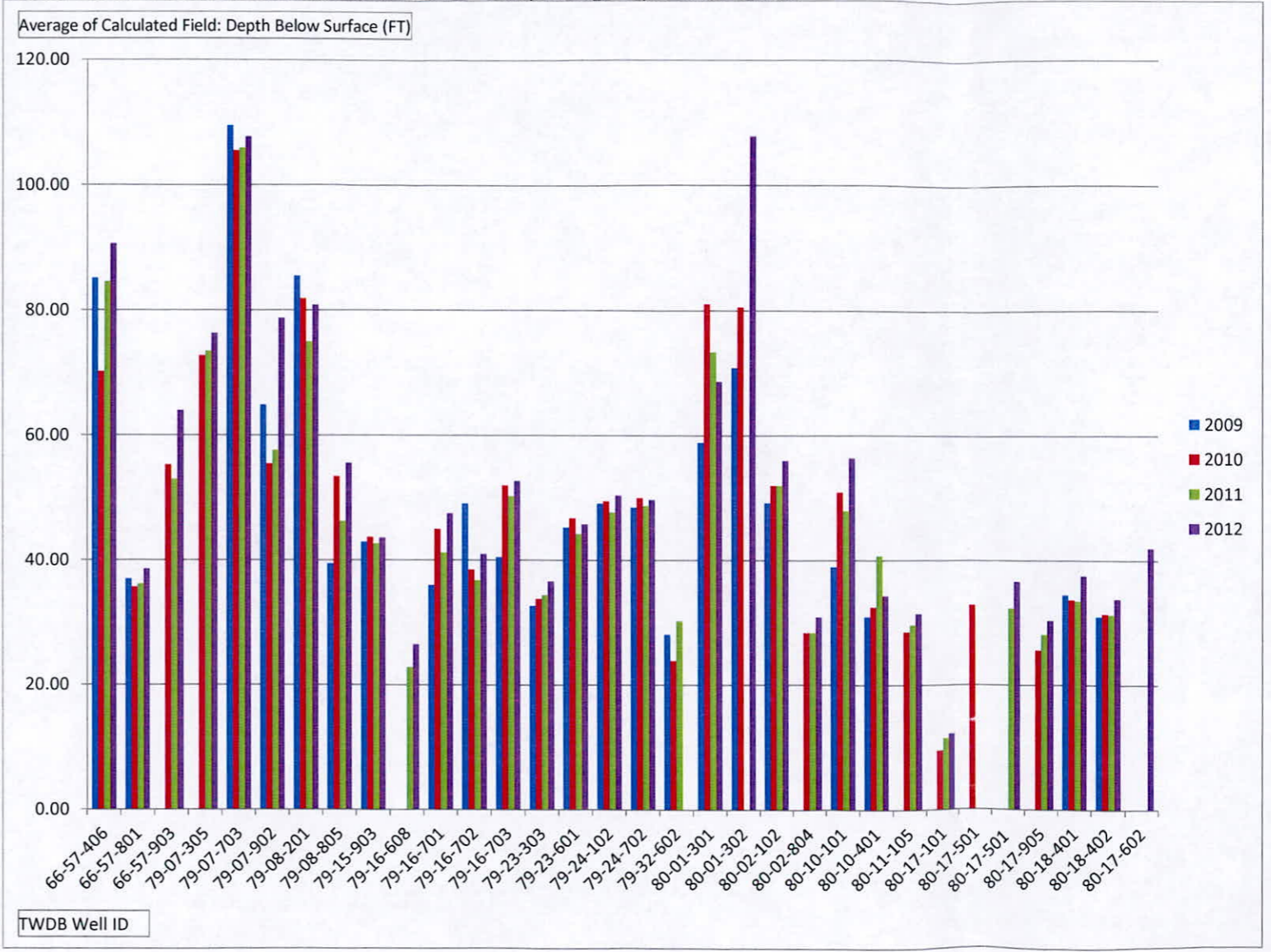
1 inch = 30,000 feet



Disclaimer: The records, files, and documents maintained by the Victoria County Groundwater Conservation District (District) contain data and information from many sources. The District can not guarantee the accuracy or validity of such data and information. The District specifically disclaims any warranty or guarantee relating to the accuracy or validity of any such data and information. All users of such data and information should conduct such investigation and review as necessary to independently determine the accuracy or validity of such data and information.

Average of Calculated Field: Depth Below Surface (FT)	2009	2010	2011	2012
66-57-406	85.20	70.20	84.60	90.70
66-57-801	37.00	35.70	36.20	38.60
66-57-903		55.30	53.00	64.00
79-07-305		72.80	73.50	76.35
79-07-703	109.60	105.55	106.00	107.80
79-07-902	64.90	55.45	57.65	78.80
79-08-201	85.50	81.90	75.00	80.90
79-08-805	39.50	53.45	46.25	55.60
79-15-903	42.92	43.70	42.70	43.60
79-16-608			22.80	26.50
79-16-701	36.00	45.00	41.20	47.50
79-16-702	49.10	38.50	36.80	41.00
79-16-703	40.50	52.00	50.30	52.75
79-23-303	32.70	33.80	34.40	36.65
79-23-601	45.30	46.75	44.25	45.80
79-24-102	49.10	49.50	47.70	50.40
79-24-702	48.50	50.00	48.75	49.70
79-32-602	28.10	23.90	30.30	
80-01-301	58.90	81.10	73.40	68.70
80-01-302	70.90	80.60		107.90
80-02-102	49.25	52.00	52.00	56.00
80-02-804		28.40	28.40	30.90
80-10-101	39.00	50.95	48.00	56.45
80-10-401	30.95	32.50	40.70	34.30
80-11-105		28.50	29.60	31.40
80-17-101		9.50	11.50	12.20
80-17-501		32.90		
80-17-501			32.30	36.65
80-17-905		25.60	28.15	30.35
80-18-401	34.50	33.70	33.50	37.55
80-18-402	31.00	31.40	31.30	33.80
80-17-602				42.00
Grand Total	50.38	48.30	46.22	52.16

Victoria County Groundwater Measurement Statistics: Yearly Average Depth Below Surface



The Texas Manual on Rainwater Harvesting



Texas Water Development Board

Third Edition



**Texas Water Development Board
Report 362**

**Water Conservation Implementation
Task Force**

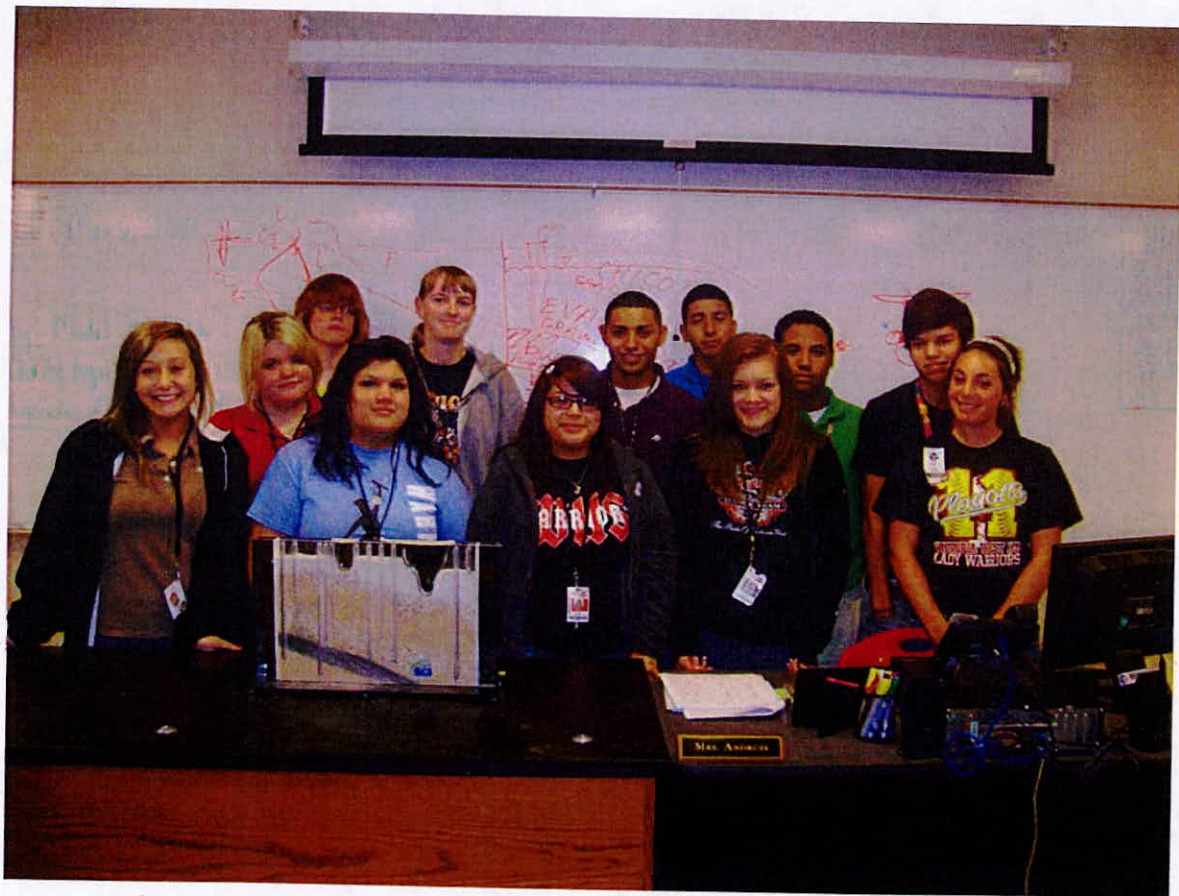
**Water Conservation
Best Management Practices Guide**

November 2004

Appendix C
Technical Evaluation Procedures for
Edwards Aquifer Recharge Enhancement

**Victoria County Groundwater
Conservation District
Water Conservation Education Program
2010 - 2011**

**Final Project Report:
Water Analysis in Victoria County
Victoria West High School
Submitted by Denise Andruss
Aquatic Science Instructor**



Agriculture is Life!

Effects of Brush Management on Water Resources

By:

C. Allan Jones and Lucas Gregory, Texas Water Resources Institute, Texas A&M AgriLife

**Texas Water Resources Institute Technical Report
November 2008**



**SOUTH TEXAS
FARM & RANCH
SHOW**

South Texas Farm and Ranch Show
P O Box 1045
Victoria Texas 77902

To: 2012 STFRS Exhibitor

Please respond by email when you receive this so we know your email is good.

We have your space reserved at the South Texas Farm & Ranch Show to be held in Victoria, Texas October 24 – 25, 2012 and are glad you are going to be a big part of our 28th show. See attached receipt for your exhibit booth number(s).

Our show booths are nearly all full and we anticipate a great show of exhibitors as well as attendees. Remember, setup is October 23rd (after noon in the mini-dome) and teardown after 5 p.m. on the 25th or before noon on the 26th.

Besides you and our other exhibitors, we have a great lineup of educational programs for our visitors. See the attached show flyer which prints two-sided on 8.5" x 14" paper. Please send this digitally to your clientele so they can come see you at the show. If you want several hundred slick-printed paper copies of the flyer to hand out to clientele, request these from the Victoria County Extension office at 361-575-4581.

With this letter, find a receipt showing your company's booth space and payment which you can print for your records. Also for your convenience, find the booth layout and the show's rules and regulations.

After reviewing your contract and information, if you need additional items such as extra tables, carpet, etc. please give me a call otherwise the normal booth allocation will be provided.

See you at our show October 24-25, 2012

Thank you,



Joe Janak
Exhibit Booth Chairman
Email: joejanak@nodial.net
Ph #: 361-649-2243

Encl. – (All attachments print on 8.5" x 11" paper except the show flyer)

Exhibitor booth receipt

STFRS booth layout

STFRS rules and regs.

STFRS flyer



SOUTH TEXAS FARM & RANCH SHOW

South Texas Farm and Ranch Show
P O Box 1045
Victoria Texas 77902

Receipt for

2012 South Texas Farm and Ranch Show exhibitor booth space

Received from: Victoria County Groundwater District

For Exhibitor Booth Space #: 46

Amount Paid: \$460

Amount Due: 0

Check #: 2427

See you at our show October 24-25, 2012

Thank you,

Joe Janak
Exhibit Booth Chairman
Email: joejanak@nodial.net
Ph #: 361-649-2243

2012
South Texas Farm & Ranch Show Speakers

1. Anderson, Dr. David - Extension Economist, Texas A&M AgriLife Extension Service, College Station, TX.
2. Appel, Dr. David - Extension Plant Pathologist, Texas A&M AgriLife Extension Service, College Station, TX.
3. Bade, Dr. David - Pennington Seed, College Station, TX.
4. Baker, Greg - Texas Department of Agriculture Pesticide Specialist, Matagorda, TX.
5. Barton, Melissa - Texas Department of Agriculture Pesticide Specialist, Victoria, TX.
6. Blakely, Doc - Wharton, TX.
7. Brooks, Rob - Dow AgroSciences, China, TX.
8. Clayton, Dr. Megan - Extension Range Specialist, Texas A&M AgriLife Extension Service, Corpus Christi, TX.
9. Damborsky, Ryan - Calhoun Co. Extension Agent Ag/NR, Texas A&M AgriLife Extension Service, Port Lavaca, TX.
10. Etheredge, Luke - Monsanto, Llano, TX.
11. Grymes, Dr. Charlie - Dupont Crop Protection, Inez, TX.
12. Hargis, Van - Victoria, TX.
13. Humphreys, Joe - UH-V Small Business Development Center, Victoria, TX.
14. McAfee, Dr. James - Extension Turfgrass Specialist, Texas A&M AgriLife Extension Service, Dallas, TX.
15. O'Connor, T. Michael - Victoria County Sheriff, Victoria, TX.
16. Outlaw, Dr. Joe, Extension Economist, Texas A&M AgriLife Extension Service, College Station, TX.
17. Paschal, Dr. Joe - Extension Livestock Specialist, Texas A&M AgriLife Extension Service, Corpus Christi, TX.
18. Robinson, Dr. John - Extension Economist, Texas A&M AgriLife Extension Service, College Station, TX.
19. Stein, Dr. Larry - Extension Horticulture Specialist, Texas A&M AgriLife Extension Service, Uvalde, TX.
20. Stephens, Garry - Biologist, USDA-NRCS, Corpus Christi, TX.
21. Welch, Dr. Mark - Extension Economist - Texas A&M AgriLife Extension Service, College Station, TX.
22. Yanta, Brian - Goliad County Extension Agent, AG/NR, Texas A&M AgriLife Extension Service, Goliad, TX.
23. Veterinarians: Larry Garrett, D.V.M. - Cuero: Tom Moscatelli, D.V.M. - Victoria, Lois Cochran, D.V.M. - Cuero, Sam Williams, D.V.M. - Victoria
24. Pasture to Plate - Various Speakers
25. Young, Mac, Extension Program Specialist, Texas A&M AgriLife Extension Service, Corpus Christi

2012 PASTURE TO PLATE
Wednesday & Thursday
9 a.m. — 2 p.m.

Educational program for 3rd graders in Victoria County
Sessions Offered: Balancing Food & Play, MyPlate, Moo U, Meet Your Meat, Pizza Garden, From Fisherman to Fork, Farm in My Lunch Box
RSVP: By Friday, September 21st, 2012,
Texas A&M AgriLife Extension Service
361-575-4581
SPACE IS LIMITED

Extension programs serve people of all ages regardless of socioeconomic level, race, color, sex, religion, disability or national origin. The Texas A&M University System, U.S. Department of Agriculture, and the County Commissioners Courts of Texas cooperating.

8th ANNUAL SCHOLARSHIP
GOLF TOURNAMENT

Proceeds benefit area youth

Date: Tuesday, October 23, 2012
Time: 8:00 a.m. Tee Time
Where: Colony Creek Country Club, Victoria, TX
Contact: David Dierlam, 361-575-3224 or Gill Dollins, 361-573-3371 for arrangements.

Come play for your chance on a "hole in one" to win a new 3/4 Ton Silverado Chevrolet Truck sponsored by Atzenhoffer Chevrolet. Winner is responsible for TTL on truck.



Purchase your LUNCH TICKETS by Mon., Oct. 22nd,
5:00 p.m. from Victoria County Extension Office
528 Waco Circle (Airport area)

Excellent Programs & Luncheons



SHOW SCHOLARSHIPS:

The South Texas Farm & Ranch Show awarded scholarships totaling \$12,250 to seniors in 2012. Since 1991, the South Texas Farm & Ranch Show has awarded \$109,750 to deserving high school seniors pursuing an agriculture related degree.



2012 recipients are:

Kelly Garrett	Cuero	\$1750
Kelli Rothmann	Calhoun	\$1500
Cody Malaer	Calhoun	\$1250
Caitlin Orsak	Sacred Heart	\$1250
Kimberly Depine	Victoria East	\$1250
Kelsea Hempel	St. Joseph	\$1250
Breanna Tater	Industrial	\$1000
James Studer	Industrial	\$1000
Bradley Berkenhoff	Moulton	\$1000
Ryan Hessler	Industrial	\$1000

Congratulations!



Color Photos by Hartman Creative Images

\$1,000 Show Sponsors



\$500 Sponsors

Capital Farm Credit
Dow Chemical Company
DuPont Crop Protection
First Victoria Bank
Goldman, Hunt, & Notz, LLC
New Distributing, Inc.
NewFirst National Bank
South Texas Electric Cooperative
Toyota of Victoria
TrustTexas Bank
Vic-Cal Grain Company

\$250 Sponsors

Helena Chemical Co.
IBC Port Lavaca
Killebrew Chrysler Jeep Dodge
Rice Belt Warehouse, Inc.
Sonic of Victoria & Port Lavaca
South Texas Cotton & Grain Association
Texas AgFinance
Texas Corn Producers
Texas Grain Sorghum Producers
Wells Fargo Bank, N.A.

Coordinated by:

South Texas Farm & Ranch Show Committee
Texas A&M AgriLife Extension Service - Victoria
County

Individuals with disabilities who require an auxiliary aid, service or accommodations in order to participate in these meetings are encouraged to contact the County Extension Office at (361) 575-4581 to determine how reasonable accommodations can be made.

Our 28th Show

2012
South Texas Farm & Ranch Show



<http://southtexasfarmandranchshow.com>

October 24 — 25, 2012

Victoria Community Center
2905 E. North St.
Victoria, Texas
Phone # 361-575-4581



Like



FREE ADMISSION
to show;
\$10.00 per person per
day to
attend educational
programs.

OVER 125 EXHIBIT BOOTHS

TEXAS A&M
AGRI LIFE
EXTENSION

CEU's Offered:
TDA: 10 hours
 1-L&R, 2-IPM, 7-Gen.
BQA: 4 hours

SOUTH TEXAS FARM & RANCH SHOW SCHEDULE

Numbers listed represent speaker's names on reverse side.

\$10/person/day admission
 to attend any/all educational programs
 except for Lunch and Dinner

Wednesday, Oct. 24, 2012	Dome, Arena, Grounds	Jaycee Hall	Annex 1 (Stage Area)	Annex 2	Annex 3	
7:00 a.m.		Registration / Breakfast Sponsored by First Victoria; South Texas Electric Cooperative		Registration / Breakfast Sponsored by New Distributing; DuPont Crop Protection	Registration / Breakfast Sponsored by Vic-Cal Grain Company; NewFirst National Bank	
7:30- 10 a.m.		CATTLEMEN'S COLLEGE: Rebuilding the Cow Herd1 Beef Market Outlook8 Are your Pastures Ready for Restocking?17 Options for Rebuilding Your Herd17 TDA- 1 Gen BQA- 4		AGRICULTURAL ENTERPRISE FINANCIAL MANAGEMENT: Learning Financial Lingos13 Cash Flow Analysis in Agriculture13 Farm Assistance Program—Financial Planning and Analysis25 TDA- 1 Gen	PESTICIDE LICENSE TRAINING9, 22 (To obtain a license)	
10- 11 a.m.	See 125 Farm & Ranch Exhibit Booths Open 10:00 a.m. to 6:30 p.m. No Admission Fee	PASTURE TO PLATE (9:00 a.m. - 2:00 p.m.) Pre-registered 3rd Grade Youth Program 24		Pesticide Laws and Regulations4, 5 TDA- 1 L&R		
11 - 12 noon						
12 - 1 p.m.					LUNCHEON: BORDER SECURITY, CHALLENGES FOR LANDOWNERS AND LAW ENFORCEMENT T. Michael O'Connor, Victoria County SheriffTickets - \$8.00	
1:30 - 2 p.m.					FARM POLICY UPDATE AND MARKET OUTLOOK	PESTICIDE LICENSE TESTING 4, 5
2 - 3 p.m.					Feed Grain Market Outlook21 Cotton Market Outlook18 Farm Bill Update16 TDA- 1 Gen	TURFGRASS MANAGEMENT: Selection and Care of Home Lawns14 TDA- 1 Gen
3 - 4 p.m.						
4 - 5:30 p.m.		HORSE TRAINING WORKSHOP—ARENA12				
6-9 p.m.				GOLDEN CRESCENT VET RANCH SEMINAR & BBQ DINNER: \$9 Pre-Sale \$10.00 at the door - Replacement Female Selection, Beginning Goat Management, Veterinary/ Client Communication, Pregnancy Loss in Cattle, Goats for Brush Control23		
Thursday Oct. 25, 2012	Dome, Arena, Grounds	Jaycee Hall	Annex 1 (Stage Area)	Annex 2	Annex 3	
6:30 a.m.		Registration / Breakfast Sponsored by Capital Farm Credit; Toyota of Victoria		Registration / Breakfast Sponsored by Dow Chemical Company; TrustTexas Bank		
7:00a.m.		CATTLEMEN'S COLLEGE: Grazing Management (Optimizing Forage Productivity) New developments in Pasture Herbicides7, 11 Pasture Renovation and Recovery with Herbicides8 Practical Application of Soil Surveys20 Supplementing Nitrogen with Legumes3 TDA- 2 Gen BQA- 2		NEW TECHNOLOGIES IN ROW CROP PRODUCTION Managing Weed resistance10 Dicamba Tolerant Cotton - Monsanto10 TDA- 2 GEN		
8 - 10 a.m.						
10 - 11 a.m.	See 125 Farm & Ranch Exhibit Booths Open 10:00 a.m. to 5:00 p.m. No Admission Fee	PASTURE TO PLATE (9:00 a.m. - 2:00 p.m.) Pre-registered 3rd Grade Youth Program 24		TREE SYMPOSIUM Drought Effects on Trees Critical Texas Tree Diseases Tree Replacement Options2 TDA- 1 Gen, 1 IPM		
11 - 12 noon						
12 - 1 p.m.					LUNCHEON: STUFF THAT WORKS Doc Blakely—HumoristTickets - \$8.00	
1:30 - 2 p.m.						HOME FRUIT AND NUT PRODUCTION19 TDA- 1 Gen, 1 IPM
2 - 3 p.m.						
3 - 3:30 p.m.						
3:30-5 p.m.		HORSE TRAINING WORKSHOP—ARENA12				



T. Michael O'Connor

**Purchase your
LUNCH TICKETS
by Oct. 22nd, 5:00 p.m.
from Victoria County
Extension Office
528 Waco Circle
(Airport area)**

Luncheon Sponsors:

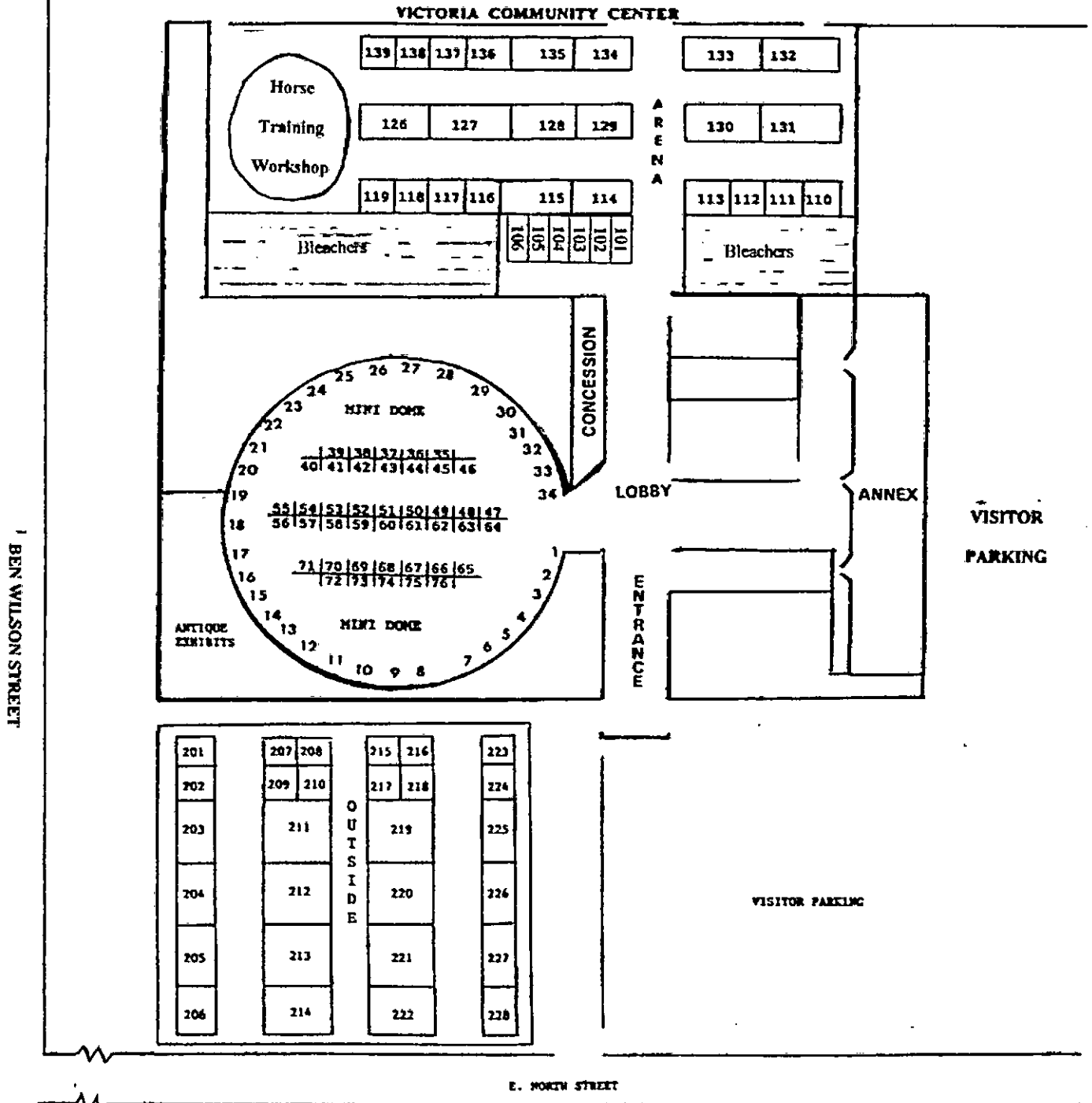


Doc Blakely

SOUTH TEXAS FARM & RANCH SHOW

Victoria Community Center

Map is not to scale.



RULES AND REGULATIONS FOR EXHIBITORS

1. Sponsorship/Purpose

The Victoria South Texas Farm & Ranch Show (hereinafter referred to as "STFRS") is a non-profit show coordinated by a committee of volunteers organized by Victoria-South Texas Farm & Ranch Show, Incorporated. Its purpose is to foster acceptance of new technology and improve agricultural management techniques for farmers, ranchers and agribusinesses through coordination and sponsorship of activities such as the Farm & Ranch Show. The show enables attendees to see, hear and question the latest developments in equipment, supplies and services which are available to them.

2. General

The STFRS shall have full power to interpret these regulations. Matters not covered by the regulations shall be subject to a final decision by the STFRS steering committee. These regulations may be amended at any time by the STFRS upon written notice by the STFRS to such exhibitors as may be affected by them. The "Exhibitor Contract" form, when executed properly, shall be considered a binding agreement between the two parties. Exhibitors shall abide by federal, state and city laws, ordinances and regulations. Communication with reference to the STFRS should be addressed to: Gary Loest, Chairman; South Texas Farm & Ranch Show; 313 Kolodzey Rd., Victoria, TX 77905.

3. Eligible Exhibits

The STFRS reserves the right to determine the eligibility of any company, product, promotion or part thereof that, in its opinion, is not in keeping with the character and purpose of the show. Combustion engines will not be permitted to operate in the Mini Dome or arena areas.

4. Exhibit Dates, Days, Location

The South Texas Farm & Ranch Show will be located in the Victoria Community Center, Victoria, TX. The dates are as follows:

Tuesday, October 23	
Exhibitor Move-In	
Arena & Outside	8:00 a.m. - 5:00 p.m.
Mini Dome	Noon - 5:00 p.m.
Wednesday, October 24	
Show Opens	10:00 a.m.
Doors Close	7:00 p.m.
Thursday, October 25	
Show Opens	10:00 a.m.
Doors Close	5:00 p.m.
Move-Out Begins	5:00 p.m.
Friday, October 26	
Move-Out Completed	8:00 a.m. - 12 Noon

5. Assignment of Space

Priority will be given applicants according to when their request is received, availability of requested area, the amount of space requested and the special needs and compatibility of exhibitors. For safety precautions and in the event of conditions beyond its control, the STFRS reserves the right to rearrange the floor plan and relocate any exhibit upon consultation with any exhibitor. Please contact Vikki Fitzpatrick, P.O. Box 1045, Victoria, TX 77902, (361) 575-4581, for booth assignment.

6. Payment

Payment in full for exhibit space is due and payable when application is signed and sent to the STFRS. Exhibitors may not occupy assigned spaces until all monies due the STFRS are paid in full. Any applications received after September 1, 2012 will be charged an additional 10% late fee. Make checks payable to the South Texas Farm & Ranch Show.

7. Refunds for Cancellation

If written notice of space cancellation is received by the STFRS prior to October 1, 2012, 50% of the monies received will be refunded. No refund will be made for cancellations on or after October 1, 2012. Any space not occupied by 10:00 a.m. Wednesday, October 24, shall revert to the STFRS without obligation on the part of the exhibitor for any refund whatsoever.

Email address:

info@southtexasfarmandranchshow.com

Web page address:

<http://southtexasfarmandranchshow.com>

8. Booth Equipment

Standard booth equipment consisting of backdrop and sidedrop curtains with frame, 1 draped table and 2 chairs per space are included with Mini Dome exhibit spaces. A standard sign bearing the company name is furnished for the backdrop at no extra charge. One 110-volt electrical outlet per space is furnished for spaces in the Mini Dome area. Spaces located in the arena area will be furnished with 1 draped table and 2 chairs per space, a standard sign bearing the company name and access to one 110-volt electrical outlet where needed. Must furnish own cords. Additional equipment, decoration, etc. may be obtained from the official contractor at the expense of the exhibitor. Exhibitors in outside booths must furnish own table and chairs or STFRS will supply 1 table and 2 chairs for \$40.00 per exhibitor. A standard sign bearing company name will be furnished upon request. Please let the STFRS know at least 14 days before set-up.

9. Booth Size

Booth size shall be determined as follows: An approximate 8'x9.5' Mini Dome space shall be approximately 8.5 ft. wide and approximately 8 ft. deep; an approximate 10'x10' Arena space shall be approximately 10 ft. wide and approximately 10 ft. deep; an approximate 20'x23' Arena space shall be approximately 20 ft. wide and approximately 23 ft. deep; an approximate 40'x23' Arena space shall be approximately 40 ft. wide and approximately 23 ft. deep; an approximate 20'x20' Outside space shall be approximately 20 feet deep and approximately 20 feet wide; an approximate 40'x40' Outside space shall be approximately 40 feet wide and approximately 40 feet deep.

10. Exhibitor Housing

Information on local hotel and motel accommodations will be forwarded to all exhibitors after space has been confirmed, all exhibitors will be responsible for making their own reservations for housing.

11. Subletting of Space

Exhibitors shall not assign or sublet any space allocated to them and may not advertise or display goods other than those manufactured or sold by them in the regular course of their business. The space assigned to the exhibitor is for exclusive use.

12. Delivery of Equipment

Each exhibitor will be responsible for the delivery of his equipment and/or display material to the exhibit hall and for removal of the equipment and/or display material. Fork lift service will be provided free of charge to all exhibitors requiring such services from 8:00 a.m. - 5:00 p.m. on Tuesday, October 23, for unloading and beginning at 8:00 a.m. - 12 noon, Friday, October 26, for loading. An additional \$100 charge per item fork lift charge will be made after these specified times.

13. Equipment Shipment

Exhibitors who must ship exhibit or demonstration supplies or equipment to the show should address the items to: Victoria Community Center; South Texas Farm & Ranch Show, Booth # ____; 2805 E. North Street; Victoria, TX 77901. Arrangements must be made by the exhibitor for unloading all items. Please notify John Stockbauer at (361) 573-2497 that such items will be arriving.

14. Installation of Exhibits

Installation of exhibits at the Community Center may commence at 8:00 a.m., Tuesday, October 23 (Noon for exhibits in the Mini Dome), with completion of move-in no later than 5:00 p.m., Tuesday, October 23. All exhibits are required to be operational by Wednesday, October 24, at 10:00 a.m. Exhibitors with exhibit spaces in the Mini Dome area will not be allowed to exhibit products or equipment that may damage the linoleum flooring. Weight of the exhibit shall not exceed 2,000 lbs. and must meet approval of STFRS Show Committee. Exhibit items in the Mini Dome must not exceed the size of the entry doors that are available for use. The dimensions of these entry doors are as follows: Mini Dome area 10 ft 6 in height x 12 ft 7 in width; Arena area - 14 ft height x 15 ft width. Exhibitors with outside exhibit spaces shall be responsible for any damages done to the outside parking lot when setting up.

15. No Flammable Materials

Combustible decorations such as crepe paper, hay, tissue paper, cardboard, corrugated paper shall not be used. All packing containers, excelsior, wrapping paper, etc. are to be removed from the floor and must not be stored under tables or behind displays.

16. Dismantling and Removal of Exhibits

ALL EXHIBITS MUST REMAIN INTACT UNTIL CLOSING! Exhibit closing time is 5:00 p.m. on Thursday, October 25, and may not be dismantled or removed before that hour. **NO LARGE EQUIPMENT WILL BE MOVED UNTIL SHOW CLOSING AT 5:00 P.M.!** All exhibits must be dismantled, packed and removed by 12 Noon, Friday, October 26. Exhibitors will complete arrangements for prompt pickup of all outbound shipments. Forklift services will be available to assist the exhibitor from 8:00 a.m. - 12 Noon on Friday, October 26. An additional \$100 charge per item forklift charge will be made after these specified times. Exhibitors with outside exhibit spaces shall be responsible for any damages done to the outside parking lot when dismantling and removing exhibits.

17. Booth Construction and Arrangements

No display may extend beyond the following dimensions: higher than 8 feet from the back wall to 3 feet forward of the back wall and nothing over 42 inches in height shall extend forward for the remaining space to the front of the booth. All exposed parts of the display must be finished so as not to be objectionable to other exhibitors and/or the STFRS, or such will be draped by the STFRS and billed to the exhibitor. The only exception to this rule may be equipment booths, upon approval of the STFRS. Generators may be used for outside booths only and must be placed away from other exhibitors in the parking lot perimeter using an extension cord to run in booth. Noise level must not disturb other exhibitors.

18. Care of Exhibit Space

The STFRS will arrange for the sweeping of aisles daily. The exhibitors shall keep the space occupied by him in good order. Exhibitors may not place anything in the aisles during open hours of the show.

19. Booth Attendants

Each exhibitor must keep an attendant in his display during the open hours of the exhibits. All attendants must be bonafide employees or representatives of exhibitor.

20. Registration and Badges

All badges for a company will be held at the exhibitors' registration area under the company name. Admission to all show related hospitality functions will require a name badge.

21. Canvassing by Non-Exhibitors

The exhibit is limited to individuals, business firms, manufacturers, professional organizations and dealers who have contracted and paid for space assignments. No other persons or concerns will be permitted to demonstrate their products, solicit orders or distribute advertising materials in the convention facilities.

22. Distribution of Advertising Material

Circulars or advertising matter of the exhibitors may only be distributed within the booth assigned to the exhibitor. Such materials may not be distributed in areas other than the show facilities.

23. Liability

The exhibitor agrees to defend, indemnify and hold harmless the Victoria-South Texas Farm & Ranch Show, Incorporated, its Steering Committee, Victoria County Extension Service, Texas AgriLife Extension Service and the officers, agents, employees and volunteers from all actions, suits, claims, damages, losses and expenses including interest and attorney fees in connection with any personal injuries or property damages arising out of or in any way connected with the use of the exhibit space of the Victoria Community Center, its premises or any of the facilities or equipment located thereon, regardless of whether such damage or injuries are caused in part by someone other than the exhibitor.

Donna Yanta

From: JoeJanak <joejanak@nodial.net>
Sent: Thursday, October 04, 2012 8:08 PM
To: admin@vcgcd.org
Subject: South Texas Farm & Ranch Show
Attachments: STFRS Exhibitor confirmation letter.doc; STFRS Exhibitor Booth Layout .pdf; 2012 STFRS Flyer - 8.5x14 inch paper.pdf; STFRS Contract Rules & Regs.2012.pdf; Victoria County ceipt.doc



SOUTH TEXAS FARM & RANCH SHOW

South Texas Farm and Ranch Show
P O Box 1045
Victoria Texas 77902

To: 2012 STFRS Exhibitor

Please respond by email when you receive this so we know your email is good.

We have your space reserved at the South Texas Farm & Ranch Show to be held in Victoria, Texas October 24 – 25, 2012 and are glad you are going to be a big part of our 28th show. See attached receipt for your exhibit booth number(s).

Our show booths are nearly all full and we anticipate a great show of exhibitors as well as attendees. Remember, setup is October 23rd (after noon in the mini-dome) and teardown after 5 p.m. on the 25th or before noon on the 26th.

Besides you and our other exhibitors, we have a great lineup of educational programs for our visitors. See the attached show flyer which prints two-sided on 8.5" x 14" paper. Please send this digitally to your clientele so they can come see you at the show. If you want several hundred slick-printed paper copies of the flyer to hand out to clientele, request these from the Victoria County Extension office at 361-575-4581.

With this letter, find a receipt showing your company's booth space and payment which you can print for your records. Also for your convenience, find the booth layout and the show's rules and regulations.

After reviewing your contract and information, if you need additional items such as extra tables, carpet, etc. please give me a call otherwise the normal booth allocation will be provided.

See you at our show October 24-25, 2012

Thank you,

Joe Janak

Joe Janak
Exhibit Booth Chairman
Email: joejanak@nodial.net
Ph #: 361-649-2243

Encl. – (All attachments print on 8.5" x 11" paper except the show flyer)

Exhibitor booth receipt

STFRS booth layout

STFRS rules and regs.

STFRS flyer

9th Annual

Received
5-2-12 by
in the office of



SOUTH TEXAS FARM & RANCH SHOW

GOLF TOURNAMENT
4-Man Scramble

Tuesday, October 23, 2012

Tee Time: 8:00 a.m.

@ Colony Creek Country Club

*Watch for details beginning in August
on our website:*

www.southtexasfarmandranchshow.com

Official Show Dates:

Wednesday & Thursday, October 24 & 25, 2012

Join Us!

**Proceeds benefit the
South Texas Farm & Ranch Show
Scholarship Fund!**

**If interested in playing
team or individual, please call either**

David Dierlam @ (361) 575-8655

or (361) 920-0250

Gill Dollins @ (361) 573-3371

or (361) 648-9698

What is Groundwater

Groundwater is water that is found underground in the cracks and spaces in soil and rock. Water that is stored underground and can be retrieved for human use is said to be contained within an aquifer. Aquifers can be found in almost any geographic area, however, their productivity can vary greatly. Flux of water in an aquifer is part of the hydrologic cycle. Precipitation and surface water may recharge an aquifer by infiltration through overlying soil and rock. This water can later be released by discharging at springs, lakes, or rivers, or by pumping at wells. Groundwater flow through and near aquifers can dissolve openings in soluble rock, creating caves.

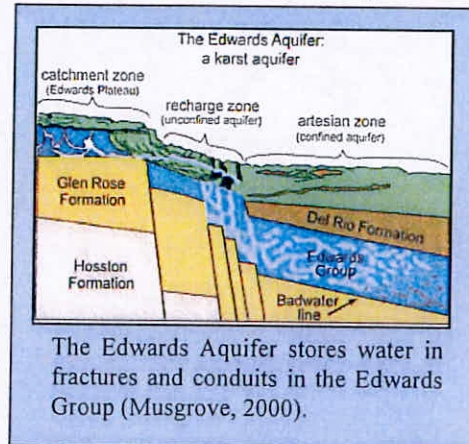
Why is Groundwater Important?

Although the majority of the Earth's surface is covered with oceans, seawater is salty and cannot be drunk by humans without extensive treatment. About a third of the freshwater on the planet is locked up in the form of ice, and freshwater in rivers and lakes is easily contaminated and greatly overused in many places. Further, some areas do not have rivers and lakes nearby. In areas such as San Antonio, nearly 100% of the water used is pumped from wells. Nationally, half of the population of the United States drinks groundwater, and most of the crops in the US are irrigated with groundwater.

Groundwater supports a unique array of biota in the caves, springs, and lakes associated with aquifers. Often, these organisms are limited in distribution and are therefore especially vulnerable to changes in the quantity and quality of water in aquifers.

People's Impact on Groundwater

Groundwater recharge in some areas can filter water of natural impurities, but in other areas the rapid rate of infiltration speeds contamination into aquifers. This is true not only of pollutants on the surface, but items we intentionally bury, such as gasoline tanks, septic systems, and landfills. Quick infiltration can carry these contaminants into aquifers, making the water source for many people undrinkable.



The rate of groundwater discharging to the surface naturally is controlled largely by the amount of recharge elsewhere. Humans modify this by pumping groundwater from wells. Areas such as Houston have pumped groundwater faster than it could be replaced, resulting in the permanent lowering of the ground surface. This subsidence damages buildings, roads, and pipelines, and makes areas more prone to flooding. Additionally, over-pumping in coastal areas can cause saltwater intrusion, making the groundwater undrinkable.

Groundwater's Impact on People

Development of cities and transportation patterns was historically controlled by the distribution of surface water, but groundwater certainly played a role. Groundwater discharging at springs served as the center of commerce in some areas. Communities could not exist in the absence of water. Today, development in some areas is regulated to protect our critical water resources.

Future of Our Groundwater

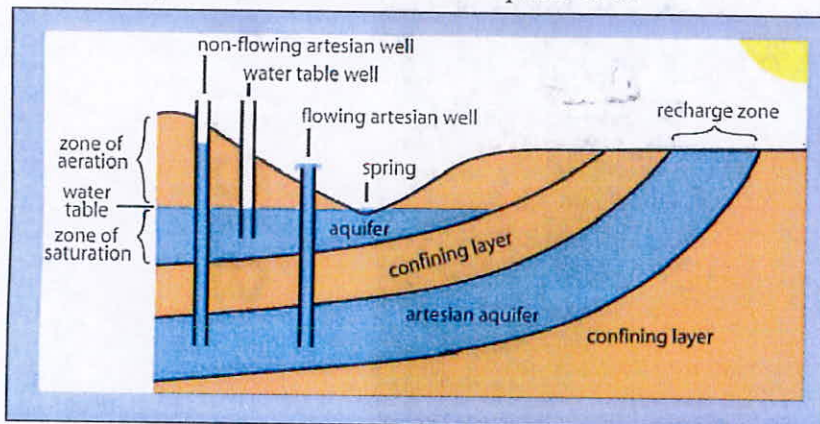
The future of our groundwater resources depends on protection of aquifers from pollution and conservation of water to prevent over-use.

Definition of an Aquifer

An aquifer is a body of rock that can store and transmit significant quantities of water (Gunn, 2004). These characteristics vary according to porosity and permeability. Porosity is the percentage of open space in a rock. Permeability is the degree to which a rock allows the transmission of fluids through these pore spaces. Even if a rock has high porosity and contains water, it is not considered an aquifer unless it has high enough permeability to get the water out.

Parts of an Aquifer

Less permeable rock below an aquifer that keeps groundwater from draining away is called a confining bed (also known as aquitard or aquiclude). The water table in an aquifer is at



the very top of the zone of saturation (the zone where water completely fills all the interconnected pore spaces). Water in this zone is called phreatic water. Between the water table and the land surface is the zone of aeration, which can also contain some water (known as vadose water). At the bottom of the zone of aeration, water usually occurs a few centimeters above the water table due to capillary action. At the top of the zone of aeration, water may be held in the soil. Water in the intermediate area of the zone of aeration is usually moving down toward the zone of saturation.

When an aquifer is bounded on top and bottom by confining beds, it is called an artesian aquifer. Water enters an artesian aquifer where the confining layer is absent – the recharge zone. Water in an artesian aquifer is under pressure from the weight of the water at higher elevations. Because of this pressure, wells drilled into an artesian aquifer will have water forced up. If the water level is higher than the elevation of the land in the area, it is a flowing artesian well.

Types of Aquifers

By use: A primary aquifer is the single most important economic source of groundwater in an area. Aquifers supplying minor amounts are secondary aquifers. A sole source aquifer provides all of the drinking water to an area.

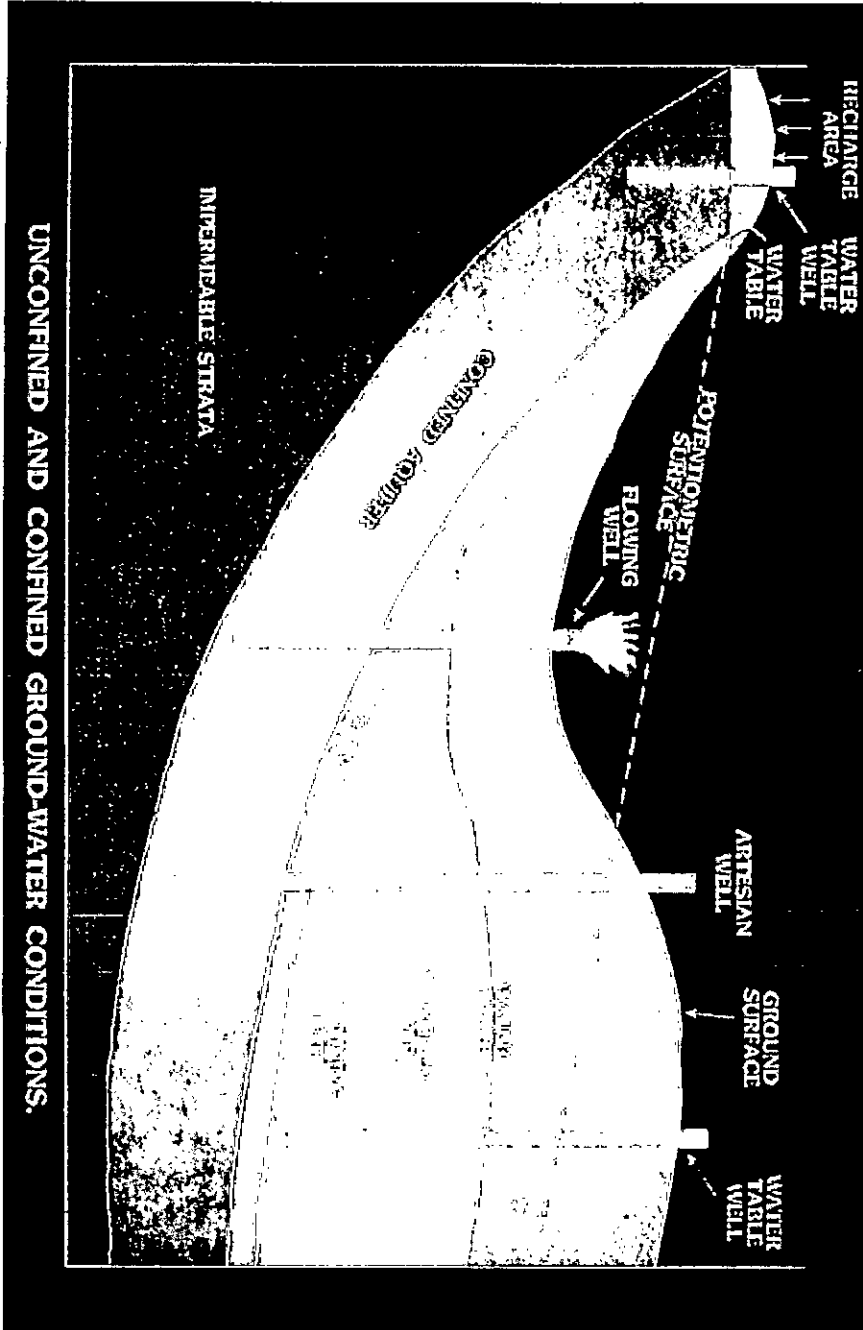
By location: Bedrock aquifers occur in consolidated rock. Surficial (or water table) aquifers occur in unconsolidated sediment between the soil and bedrock. Perched aquifers are small and separated from a main aquifer below it by a confining layer and a zone of aeration. Artesian aquifers are bounded above and below by confining beds.

By host rock: Most aquifers occur in carbonate, clastic, or volcanic rocks. Aquifers in carbonate rocks (also called karst aquifers) transmit water through fractures or dissolved passages. Clastic aquifers may be consolidated or unconsolidated and transmits water slowly through the spaces between sediments. Volcanic rocks, when fractured, can have very high permeability, but this type of aquifer is rare in Texas. Other rock types, such as granite in the Llano region of Texas, can also act as a local aquifer when fractured.

References

Gunn, J. 2004. Encyclopedia of Caves and Karst Science. Fitzroy Dearborn, New York, 902 pp.

Aquifers



UNCONFINED AND CONFINED GROUND-WATER CONDITIONS.

Gulf Coast Aquifer

The Gulf Coast aquifer forms a wide belt along the Gulf of Mexico from Florida to Mexico. In Texas, the aquifer provides water to all or parts of 54 counties and extends from the Rio Grande northeastward to the Louisiana-Texas border. Municipal and irrigation uses account for 90 percent of the total pumpage from the aquifer. The Greater Houston metropolitan area is the largest municipal user, where well yields average about 1,600 gal/min.

The aquifer consists of complex interbedded clays, silts, sands, and gravels of Cenozoic age, which are hydrologically connected to form a large, leaky artesian aquifer system. This system comprises four major components consisting of the following generally recognized water-producing formations. The deepest is the Catahoula, which contains ground water near the outcrop in relatively restricted sand layers. Above the Catahoula is the Jasper aquifer, primarily contained within the Oakville Sandstone. The Burkeville confining layer separates the Jasper from the overlying Evangeline aquifer, which is contained within the Fleming and Goliad sands. The Chicot aquifer, or upper component of the Gulf Coast aquifer system, consists of the Lissie, Willis, Bentley, Montgomery, and Beaumont formations, and overlying alluvial deposits. Not all formations are present throughout the system, and nomenclature often differs from one end of the system to the other. Maximum total sand thickness ranges from 700 feet in the south to 1,300 feet in the northern extent.

Water quality is generally good in the shallower portion of the aquifer. Ground water containing less than 500 mg/l dissolved solids is usually encountered to a maximum depth of 3,200 feet in the aquifer from the San Antonio River Basin northeastward to Louisiana. From the San Antonio River Basin southwestward to Mexico, quality deterioration is evident in the form of increased chloride concentration and saltwater encroachment along the coast. Little of this ground water is suitable for prolonged irrigation due to either high salinity or alkalinity, or both. In several areas at or near the coast, including Galveston Island and the central and southern parts of Orange County, heavy municipal or industrial pumpage had previously caused an updip migration, or saltwater intrusion, of poor-quality water into the aquifer. Recent reductions in pumpage here have resulted in a stabilization and, in some cases, even improvement of ground-water quality.

Years of heavy pumpage for municipal and manufacturing use in portions of the aquifer have resulted in areas of significant water-level decline. Declines of 200 feet to 300 feet have been measured in some areas of eastern and southeastern Harris and northern Galveston counties. Other areas of significant water-level declines include the Kingsville area in Kleberg County and portions of Jefferson, Orange, and Wharton counties. Some of these declines have resulted in compaction of dewatered clays and significant land surface subsidence. Subsidence is generally less than 0.5 foot over most of the Texas coast, but has been as much as nine feet in Harris and surrounding counties. As a result, structural damage and flooding have occurred in many low-lying areas along Galveston Bay in Baytown, Texas City, and Houston. Conversion to surface-water use in many of the problem areas has reversed the decline trend.

References

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- Guyton, W.F., and Associates, 1972, Ground-water conditions in Anderson, Cherokee, Freestone, and Henderson counties, Texas: TWDB Rept. 150, 80 p.
- McCoy, T.W., 1990, Evaluation of ground-water resources in the Lower Rio Grande Valley, Texas: TWDB Rept. 316, 48 p.
- Muller, D.A., and Price, R.D., 1979, Ground-water availability in Texas, estimates and projections through 2030: TDWR Rept. 238, 77 p.
- Sandeen, W.M., and Wesselman, J.B., 1973, Ground-water resources of Brazoria County, Texas: TWDB Rept. 163, 205 p.
- Shafer, G.H., 1968, Ground-water resources of Nueces and San Patricio counties, Texas: TWDB Rept. 73, 137 p.
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- Shafer, G.H., and Baker, E.T., Jr., 1973, Ground-water resources of Kleberg, Kenedy, and southern Jim Wells counties, Texas: TWDB Rept. 173, 69 p.
- Thorkildsen, D., 1990, Evaluation of water resources of Fort Bend County, Texas: TWDB Rept. 321, 21 p.
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- Wesselman, J.B., 1967, Ground-water resources of Jasper and Newton counties, Texas: TWDB Rept. 59, 167 p.
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Sources of Contamination

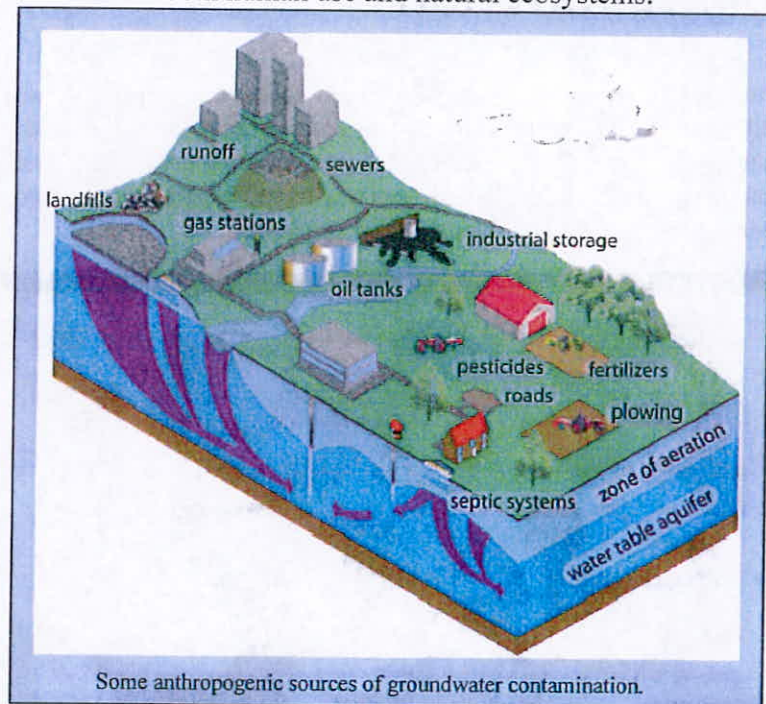
Contamination of groundwater is a serious problem because the pollutants often travel unnoticed until tested. This is especially problematic in karst aquifers because of the rapid movement of contaminants. Once contaminated, an aquifer is difficult to clean and the effects can linger for many years.

- Excess organic matter: farm animal wastes, leaky sewers and septic systems.
- Toxic organic compounds: landfills, gas stations, industrial sites, oil tanks, urban runoff.
- Acidic runoff: vehicle exhaust which forms acid rain.
- Dissolved salts: industrial sites, salt used to deice roads.
- Excess nitrates and phosphorous: fertilizers.
- Heavy metals: industrial sites and landfills.
- Microbial contaminants: animal and human wastes.
- Suspended sediment: plowing of fields, construction of roads and buildings, logging, urban runoff.
- Thermal pollution: industrial sites.
- Emerging contaminants: landfills, leaky sewers and septic systems. (Emerging contaminants are new pollutants, such as hormones and drugs, about which we do not yet understand the potential impacts.)
- Radioactive contaminants: wastewater discharge from factories, hospitals, and mines.

The most prevalent groundwater contaminant may be herbicides and pesticides. In a study of aquifers across the US, herbicides and pesticides were detected in about half (Barbash, 2001).

Contamination by Nature

Many of the items listed here as contaminants do occur naturally as well. Some are actually necessary to support healthy ecosystems. Organic matter, nitrates, and phosphorous all contribute to the diversity of life associated with groundwater. It is not the simple presence of these items that is problematic, but the excess amounts that pollutes groundwater resources for both human use and natural ecosystems.



Even when all precautions are taken, natural disturbances can impact groundwater quality. Storms can create large amounts of runoff that quickly carry pollutants into water supplies without being filtered. Fires can remove ground cover and cause increased sediment pollution. Landslides and earthquakes can break sewer lines and release contaminants from septic systems, landfills, and underground storage containers.

References

- Barbash, J. E., G. P. Thelin, D. W. Kolpin, and R. J. Gilliom. 2001. Major herbicides in ground water: results from the National Water-Quality Assessment. *Journal of Environmental Quality* 30:831-845.

leak bacteria, viruses, household chemicals, and other contaminants into the groundwater causing serious problems.

In the United States today, there are thought to be over 20,000 known abandoned and uncontrolled hazardous waste sites and the numbers grow every year. Hazardous waste sites can lead to groundwater contamination if there are barrels or other containers laying around that are full of hazardous materials. If there is a leak, these contaminants can eventually make their way down through the soil and into the groundwater.

Landfills are another major source of contamination. Landfills are the places that our garbage is taken to be buried. Landfills are supposed to have a protective bottom layer to prevent contaminants from getting into the water. However, if there is no layer or it is cracked, contaminants from the landfill (car battery acid, paint, household cleaners, etc.) can make their way down into the groundwater.

The widespread use of road salts and chemicals is another source of potential groundwater contamination. Road salts are used in the wintertime to put melt ice on roads to keep cars from sliding around. When the ice melts, the salt gets washed off the roads and eventually ends up in the water. Chemicals include products used on lawns and farm fields to kill weeds and insects and to fertilize the plants. When the rain comes, these chemicals get washed into the ground and eventually into the water.

We have to remember that since groundwater is part of the hydrologic cycle, contaminants in other parts of the cycle, such as the atmosphere or bodies of surface water, can eventually be transferred into our groundwater supplies.

So now that you know the risks to groundwater, what can we do about it? [Click here to meet and join a network of communities](#) full of people who can help you and your community protect its groundwater.

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Foundation.

Top 10 Ways to Protect and Conserve Groundwater

1. Dispose of chemicals properly.
2. Take used motor oil to a recycling center.
3. Limit the amount of fertilizer used on plants.
4. Take short showers.
5. Shut water off while brushing teeth.
6. Run full loads of dishes and laundry.
7. Check for leaky faucets and have them fixed.
8. Water plants only when necessary.
9. Keep a pitcher of drinking water in the refrigerator.
10. Get involved in water education.



U.S. Environmental Protection Agency

Drinking Water & Ground Water Kids' Stuff

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[Safewater Home](#)

Water Trivia Facts

For Kids & Students

Grades K - 3

Grades 4 - 8

Grades 9 - 12

For Teachers

Grades K - 3

Grades 4 - 8

Grades 9 - 12

Games & Activities

Other Kids' Stuff

Kids' Health

1. Water is the only substance found on earth naturally in three forms.
True (Solid, liquid and gas)
2. Does water regulate the earth's temperature?
Yes (it is a natural insulator)
3. At what temperature does water freeze?
32 degrees F, 0 degrees C
4. At what temperature does water vaporize?
212 degrees F, 100 degrees C
5. How long can a person live without food?
More than a month
How long can a person live without water?
Approximately one week, depending upon conditions
6. How much of the human body is water?
66%
7. How much of the earth's surface is water?
80%
8. How much water must a person consume per day to maintain health?
2.5 quarts from all sources (i.e. water, food)
9. Of all the earth's water, how much is ocean or seas?
97%
10. How much of the world's water is frozen and therefore unusable?
2%
11. How much of the earth's water is suitable for drinking water?
1%
12. Is it possible for me to drink water that was part of the dinosaur era?
Yes - water is constantly recycled
13. What is the most common substance found on earth?
Water
14. How much water does the average residence use during a year?
Over 100,000 gallons (indoors and outside)
15. How much water does an individual use daily?

Over 100 gallons (all uses)

16. What does a person pay for water on a daily basis?

National average is 25 cents

17. How many community public water systems are there in the United States?

54,000

18. How much water do these utilities process daily?

38 billion gallons

19. What does it cost to operate the water systems throughout the country annually?

Over \$3.5 billion

20. How many miles of pipeline and aqueducts are in the United States and Canada?

Approximately one million miles, or enough to circle the earth 40 times

21. What were the first water pipes made from in the US?

Fire charred bored logs

22. Where was the first municipal water filtration works opened and when?

Paisley, Scotland in 1832

23. Of the nation's community water supplies, what percentage are investor-owned?

15 %

24. How many households use private wells for their water supply?

More than 13 million

25. How much water is used to flush a toilet?

2-7 gallons

26. How much water is used in the average five-minute shower?

15-25 gallons

27. How much water is used on the average for an automatic dishwasher?

9-12 gallons

28. On the average, how much is used to hand wash dishes?

9-20 gallons

29. How much does one gallon of water weigh?

8.34 pounds

30. What is the weight of water in one cubic foot?

62.4 pounds

31. How much water drops with an inch of rain?

One inch of inch of rainfall drops 7,000 gallons

32. How much water does it take to process a quarter pound of hamburger?

Approximately one gallon

- 33. How much water does it take to produce one ton of steel?
62,600 gallons
- 34. How much water is used to produce a single day's supply of U.S. newsprint?
300 million gallons
- 35. What is the total amount of water used to manufacture a new car, including new tires?
39,090 gallons per car
- 36. How much water must a dairy cow drink to produce one gallon of milk?
Four gallons
- 37. How much water is used during the growing/production of a chicken?
400 gallons
- 38. How much water is used during the growing/production of almonds?
12 gallons
- 39. How much water is used during the growing/production of french fries?
6 gallons
- 40. How much water is used during the growing/production of a single orange?
13.8 gallons
- 41. How much water is used during the growing/production of a watermelon?
100 gallons
- 42. How much water is used during the growing/production of a loaf of bread?
150 gallons
- 43. How much water is used during the growing/production of a tomato?
3 gallons
- 44. How much water is used during the growing/production of rice?
35 gallons
- 45. How much water us used during the production of an egg?
120 gallons

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Last updated on Tuesday, February 28th, 2006
URL: http://www.epa.gov/safewater/kids/water_trivia_facts.html



ARW- _____ - _____

Victoria County Groundwater Conservation District

2805 N. Navarro St., Suite 210, Victoria, Texas 77901

Phone: (361)579-6863

FAX: (361)579-0041

Website: www.vcgcd.org

Email: admin@vcgcd.org

APPLICATION TO REGISTER A WELL

Complete this application for the purposes of obtaining a well registration certificate for an existing well.

Note: In accordance with the District's rules, the District may request additional information not requested in this application in order to consider the application administratively complete.

Instructions:

1. Complete the form to the best of your knowledge and belief.
2. Type or print all information.
3. Attach copies of any relevant documentation or information to this application.
 - a. Attach a copy of the well driller's well log if the well was drilled after Year 2008.
 - b. Attach documentation demonstrating authority to act as an agent of the landowner if the application is submitted under the signature other than the landowner's signature.
4. If a portion of the information requested on this form cannot be provided, please indicate this by entering "unknown" in the related blank space



ARW- _____ - _____

Victoria County Groundwater Conservation District

SECTION 1: WELL OWNER INFORMATION		
Last Name, First Name, Middle Initial		
Owner Entity (Partnership / Corporation / Trust, etc.)		
Mailing Address:		
City:	State:	Zipcode:
Phone:		
E-Mail:		

SECTION 2: WELL LOCATION INFORMATION		
Property Address:		
City:	State:	Zipcode:
Nearest Intersection:		
Latitude:	Longitude:	



ARW- _____ - _____

Victoria County Groundwater Conservation District

SECTION 3: WELL CONSTRUCTION INFORMATION (Attach the driller's well log if available.)	
Well Completion Year	Well Depth (Feet Below Surface)
Casing Material (PVC, Steel, Other)	Casing Diameter (Inches)
Depth to Top of Screen (Feet Below Surface)	Depth to Bottom of Screen (Feet Below Surface)
Well Capacity (Gallons per Day)	

SECTION 4: WELL USE INFORMATION	
An "Exempt Well" is a well that 1) is used solely for domestic purposes or for providing water for livestock, poultry or personal recreational use that is drilled, completed, or equipped so that it is incapable of producing more than 28,800 gallons (20 gpm) of groundwater per day; or 2) a well otherwise exempt under the provisions of Section 36.117, Water Code. All other wells are considered "Non-Exempt Wells."	
Is the subject well constructed and operated as an "Exempt Well?"	YES NO

SECTION 5: AGREEMENT	
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision; the information submitted is, to the best of my knowledge and belief, true, accurate and complete; and I agree to operate the well in accordance with the Victoria County Groundwater Conservation District's Rules and the State of Texas' regulations. Further, I certify under penalty of law that I am the well owner or I am authorized to act as the agent of the well owner.	
_____ Signature of Well Owner or Authorized Agent	_____ Date
_____ Printed Name of Well Owner or Authorized Agent	



AVW- _____ - _____

Victoria County Groundwater Conservation District

2805 N. Navarro St., Suite 210, Victoria, Texas 77901

Phone: (361)579-6863

FAX: (361)579-0041

Website: www.vcgcd.org

Email: admin@vcgcd.org

APPLICATION TO VALIDATE HISTORIC USE OF A WELL

Complete this application for the purposes of obtaining a historic use validation permit to operate a grandfathered, non-exempt well.

Note: In accordance with the District's rules, the District may request additional information not requested in this application in order to consider the application administratively complete.

Instructions:

1. Complete the form to the best of your knowledge and belief.
2. Type or print all information.
3. Attach copies of any relevant documentation or information to this application.
 - a. Attach deed or other documentation demonstrating ownership of the proposed well location.
 - b. Attach location map depicting property lines, existing wells, and potential sources of groundwater contamination.
 - c. Attach any waiver or variance requests of the District's rules.
 - d. Attach documentation demonstrating authority to act as an agent of the landowner if the application is submitted under the signature other than the landowner's signature.
4. If a portion of the information requested on this form cannot be provided, please indicate this by entering "unknown" in the related blank space.



AVW-_____

Victoria County Groundwater Conservation District

SECTION 1: WELL OWNER INFORMATION		
Last Name, First Name, Middle Initial		
Owner Entity (Partnership / Corporation / Trust, etc.)		
Mailing Address:		
City:	State:	Zipcode:
Phone:		
E-Mail:		

SECTION 2: WELL LOCATION INFORMATION		
Property Address:		
City:	State:	Zipcode:
Nearest Intersection:		
Latitude:	Longitude:	
If the subject well is registered with the District, specify the well registration identification:		WRC-_____
If the subject well is not registered with the District, specify the well registration application identification:		ARW-_____
Specify the acreage of the well site property:		



AVW- _____ - _____

Victoria County Groundwater Conservation District

SECTION 3: HISTORIC USE INFORMATION	
<p>An "Exempt Well" is a well that 1) is used solely for domestic purposes or for providing water for livestock, poultry or personal recreational use that is drilled, completed, or equipped so that it is incapable of producing more than 28,800 gallons (20 gpm) of groundwater per day; or 2) a well otherwise exempt under the provisions of Section 36.117, Water Code.</p>	
<p>Between January 1990 and December 2008, was the subject well operated in a manner that would not be considered exempt by the District?</p>	<p>YES NO</p>
<p>Specify the year between 1990 and 2008 for which historic use validation is requested:</p>	
<p>Specify the maximum production rate for the subject well within the year for which validation of historic use is requested?</p>	<p>Per Minute: GPM</p>
	<p>Per Day: GPD</p>
	<p>Per Month: GPMo</p>
	<p>Per Year: Ac-Ft</p>
<p>Specify the purpose to which the groundwater was used within the year for which validation of historic use is requested:</p>	
<p>Within the year for which historic use validation is requested, was the subject well operated as part of an interconnected multi-well system?</p>	<p>YES NO</p>
<p>Describe the evidence supporting the validation request. (Attach additional documentation or explanation to the application as needed.)</p>	
Empty space for evidence description	



AVW-_____ - _____

Victoria County Groundwater Conservation District

SECTION 4: AGREEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision; the information submitted is, to the best of my knowledge and belief, true, accurate and complete; and I agree to operate the well in accordance with the Victoria County Groundwater Conservation District's Rules and the State of Texas' regulations. Further, I certify under penalty of law that I am the well owner or I am authorized to act as the agent of the well owner.

Signature of Well Owner or Authorized Agent

Date

Printed Name of Well Owner or Authorized Agent

NOTARY PUBLIC'S CERTIFICATE

Subscribed and sworn to before me, by the said _____,
this _____ day of _____, 20____, to certify which witness my hand
and seal of office.

Notary Public Signature

Notary Public Printed Name

Notary Public in and for _____ County, Texas.

My commission expires _____.



AVW- _____ - _____

Victoria County Groundwater Conservation District

AFFIDAVIT OF PAST PRODUCTION

Before me, the undersigned authority, appeared _____ who, being duly sworn states as follows:

1. I am 18 years of age or older and competent to submit this affidavit.
2. To the best of my knowledge and belief, the information contained in the attached application to validate the historic use of a well is true and correct.
3. All available information concerning groundwater production during the validation period has been provided to the Victoria County Groundwater Conservation District."

Signature

NOTARY PUBLIC'S CERTIFICATE

Subscribed and sworn to before me, by the said _____,
this _____ day of _____, 20____, to certify which witness my hand
and seal of office.

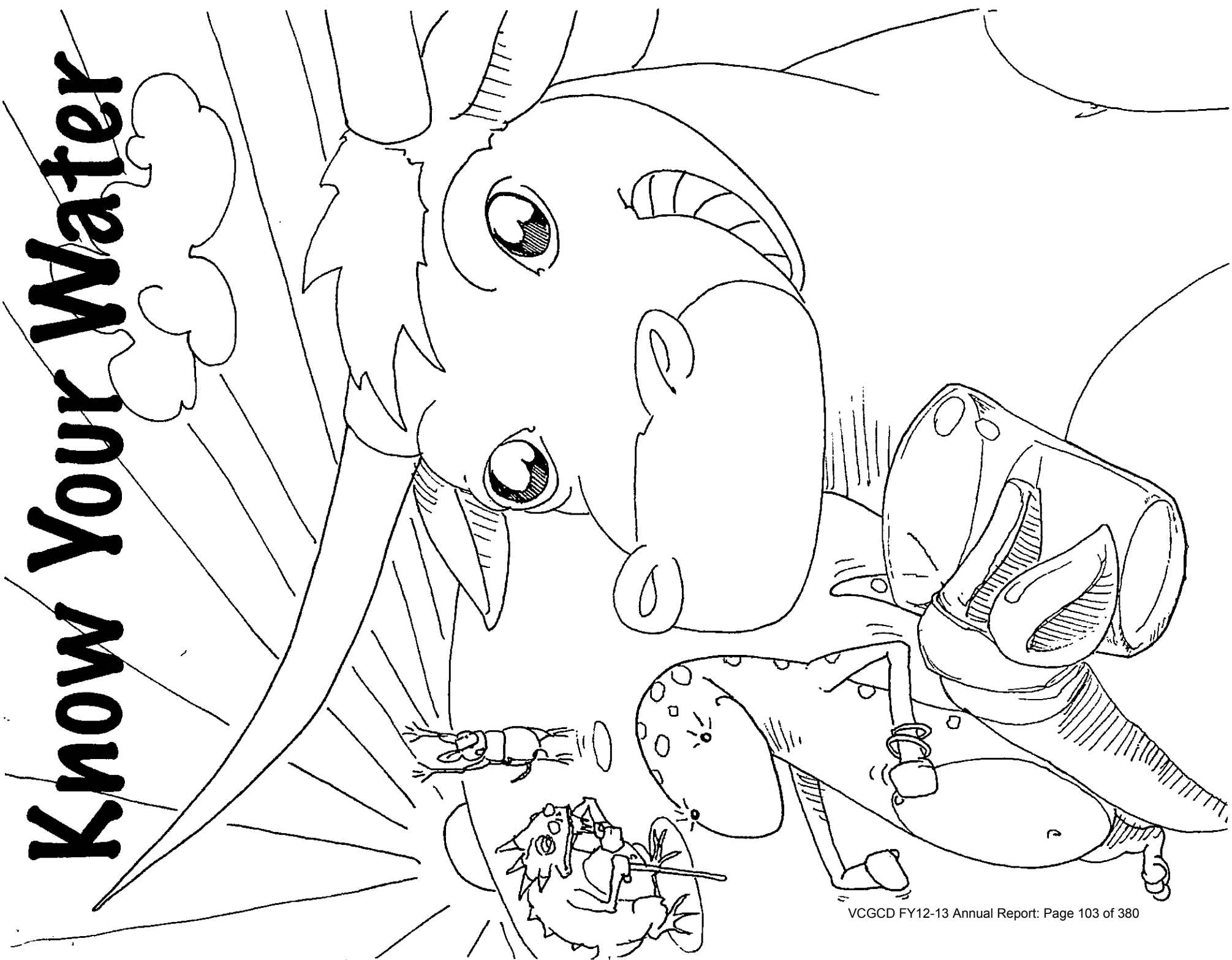
Notary Public Signature

Notary Public Printed Name

Notary Public in and for _____ County, Texas.

My commission expires _____.

Know Your Water



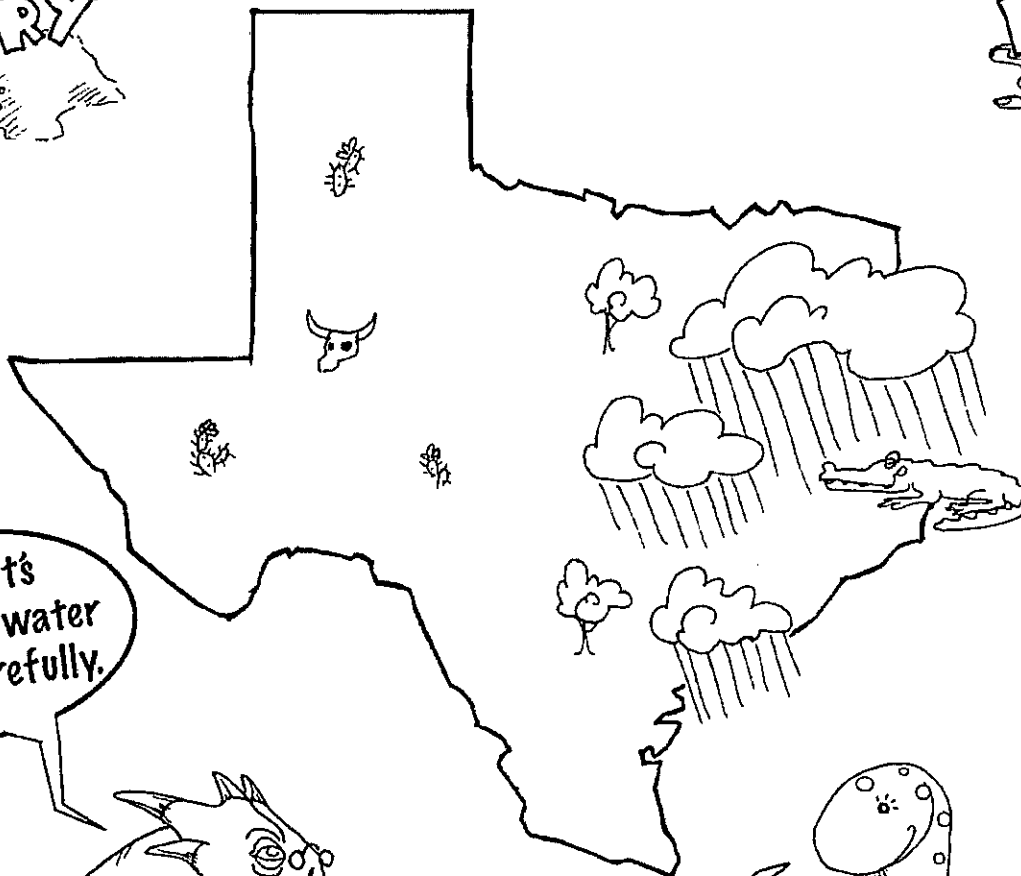
We all use water differently



Texas is both wet and dry

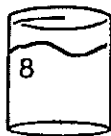
DRY

WET

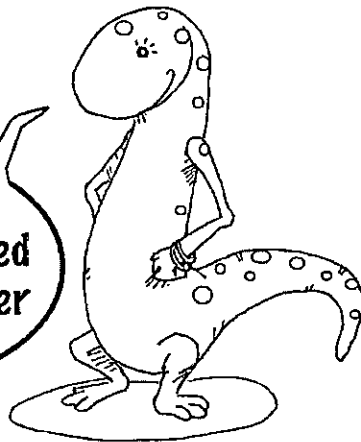


Where it's dry we use water **EXTRA** carefully.

Even where it's wet, we need to use our water well.



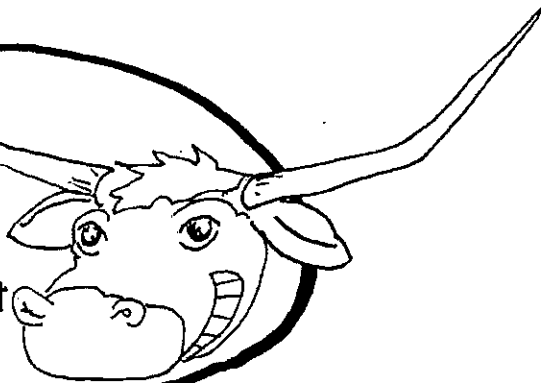
8 inches per year



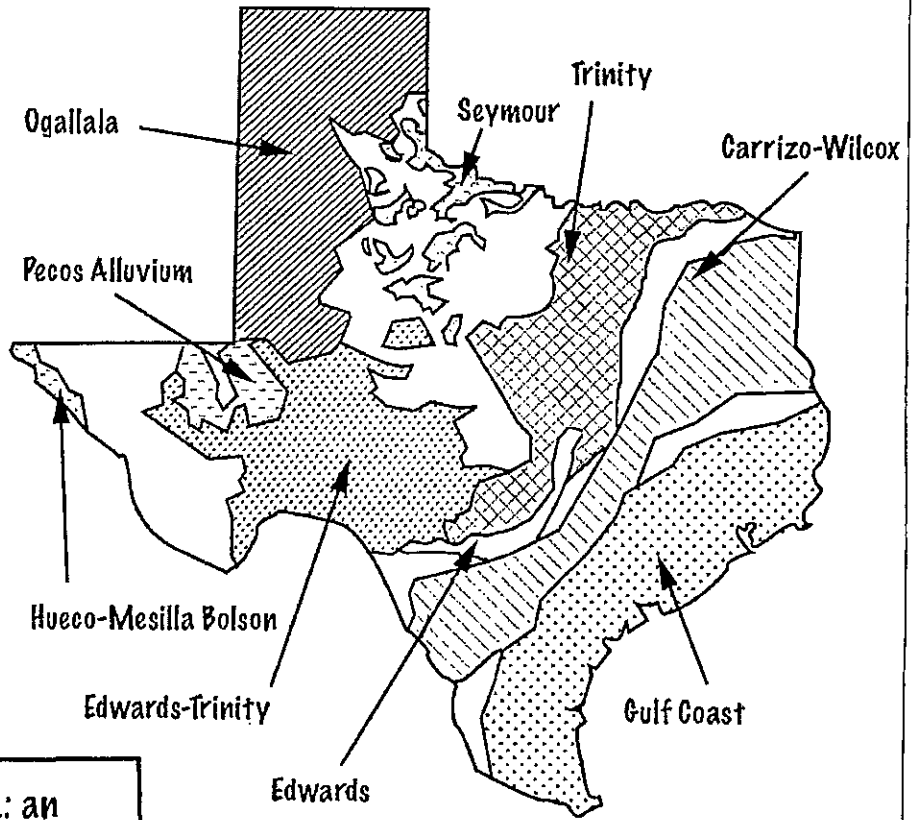
56 inches per year

Fun Fact

Sometimes when it rains in Texas it **REALLY** pours. In three days of rain, the town of Alvin got flooded by **45 INCHES** of rain. Even in drier West Texas, it can rain a lot, all at once.



About half of Texas' water comes from aquifers

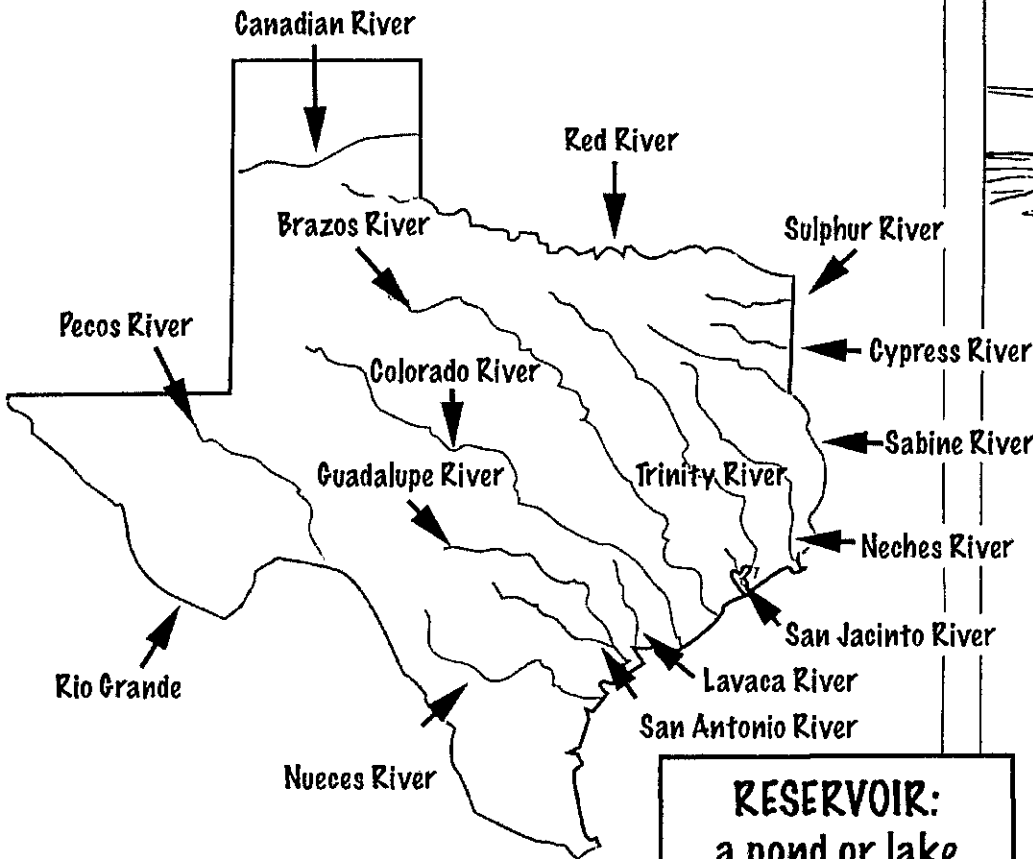


AQUIFER: an underground area of gravel and sand that holds water.

Find the names of aquifers in Texas

G O Z Q S K O Y R V P P J F R H R D Q P
 B P V R I F P C Z C U V B V H T L D L E
 U O S M Y D D E L N E B X N Y X I U D W
 H S Y T N F S F C X G I R T A Q C X R S
 X Q Z O Y K S E D O O U I N U A L Z L E
 S H Y H K B S P Y M S N L V R F P L A Q
 S O G A L L A L A M I A X F Q W G O G A
 K C N H V X E Y S R O L L N C E U E S G
 C N B S C B E Q T Z K U L L G O N L B Y
 O S C K C Z V S S K Y T R J U L A N J K
 M N G R X Q D K G T V O R L P V X S Z Y
 K Z D W F R U Z P H M B L I T T I W T L
 M G O N A I X E D W A R D S N G W U H R
 N G S W U S Y J Z R P L O T X I J F M Y
 U X D L G M W F K B I D O S O W T G A G
 U E D C A R R I Z O W I L C O X C Y Y G
 H U E C O M E S I L L A B O L S O N T E
 D U J G S D N F Y K I L J Q C S K F C A
 E Y V S K A Y Q Y P X Q M C J E P Q L Q
 M D E F V M F Y J Q S I H D Z Q U M U C

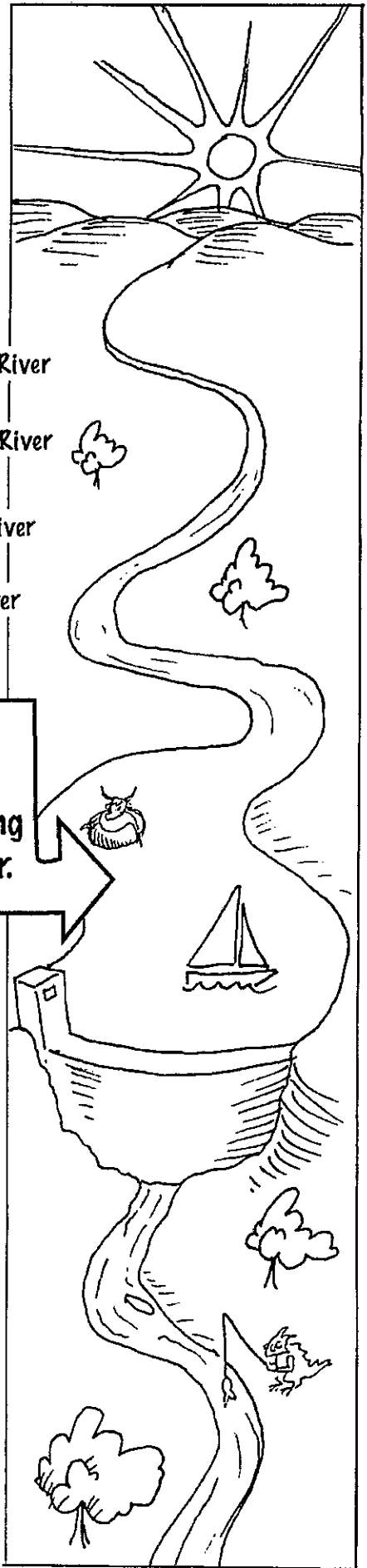
and the other half comes from our reservoirs and rivers.



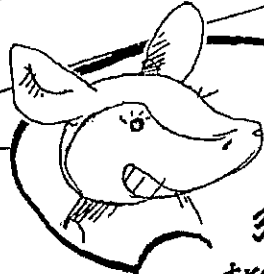
RESERVOIR:
a pond or lake
created by building
a dam on a river.

Find the names of rivers in Texas

V A Y J T F U H N I T S N H X R A S Q F
 S E A R N Q C J E S Z I S N W T V Q G O
 Y G W B H V U W K R A D N U U F A H P T
 S R B R A Z O S S R L N S T W E R U N T
 T A I R Q O T G A J E S J F V Y C Q W A
 A Y N O F U N S J B D D U A M Z N E F Z
 Q O H A G A R F C U I X K L C U E E S P
 L T C J N R V D J N T N I A P I G Y S A
 H K G A A T A L E K E R E N M H N B X X
 O X D Q N L O N D T H C I O A Y U T G E
 I P L P G A B N D A R H H N T X K R O L
 W G L T O U D V I E L C Q E I E Q Q Q S
 J G Z A K V A I C O A P O P S T U V V W
 D B Y O V P Y D A Y C J I L C X Y H G K
 Z B P L U A E H A N P B C N O M B I X F
 I W F V K U C C J L R R L B M R S R O V
 T Q W I S F N A O H U R E L A O A J O N
 F W S X T H Q L J S H P X S R T F D U L
 U F U O J T K Y A N Z P E D S Z I M O Q
 S X C T W K Q K A D F A B J K B Q Q R W



Help Billy find his way to the gulf



A Fun Fact

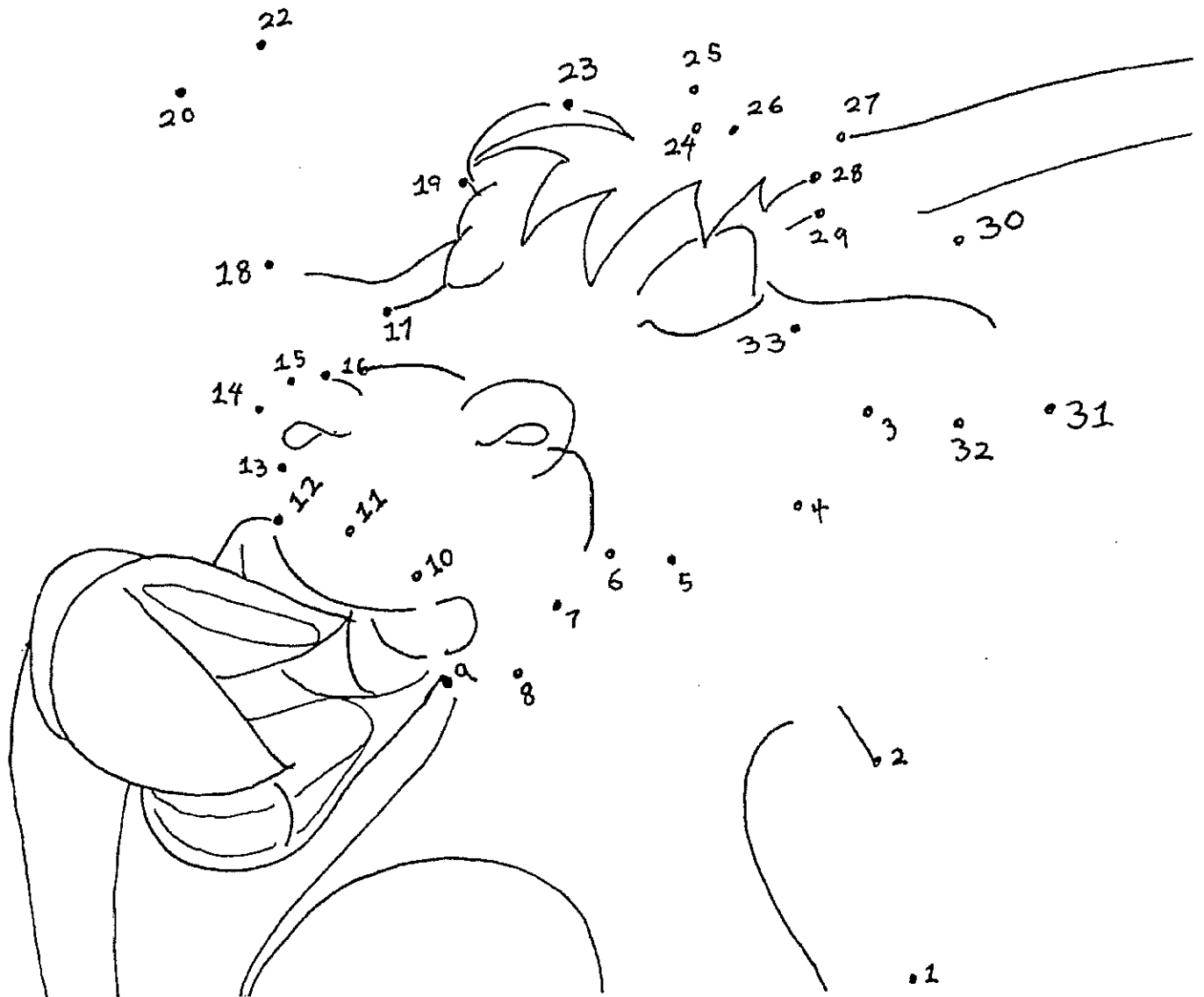
Rivers in Texas flow downhill to the Gulf of Mexico. It takes more than 37 days for one drop of water to travel the entire length of the Rio Grande.



Gulf of Mexico




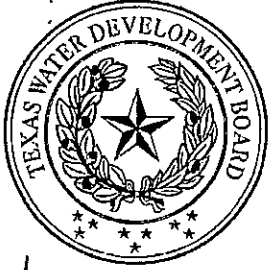
Water is important for both humans and animals



Fun Fact

More than half of the human body (about 65%) is made of water. You can go for weeks without food, but only days without water.

A cartoon illustration of a fish character with a large head, wearing glasses, and looking towards the text.




Know Your Water

For more information visit the Texas Water Development Board online at <http://www.twdb.state.tx.us/kids>

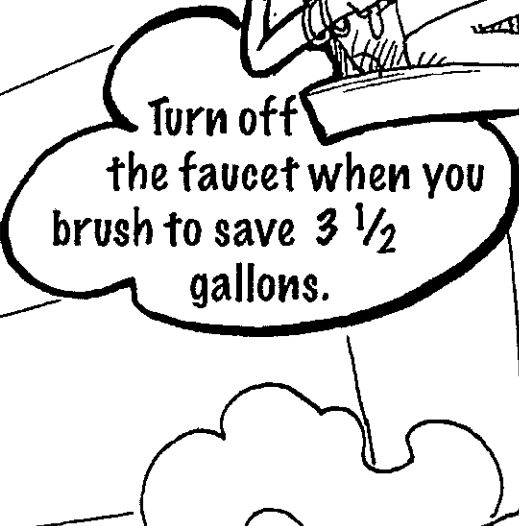
Water your lawn early in the morning or late in the afternoon so that the sun doesn't dry up the water before it reaches the lawn.




Color in this poster and put it on your wall to show how you



Take shorter showers.
You can save 3 gallons
for every
minute.



Turn off
the faucet when you
brush to save 3 1/2
gallons.



Do not use the toilet
as a trash can.

our family can save 150 gallons of water every day!

Turn off the water while you brush your teeth



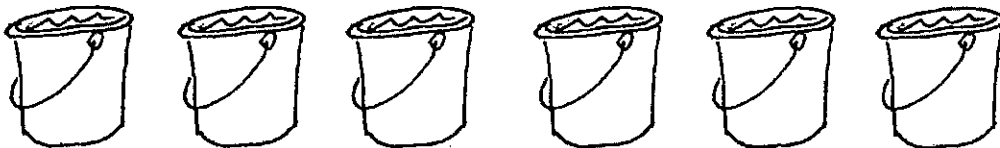
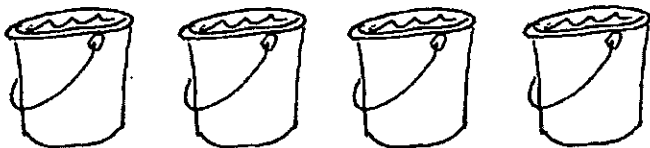
Leaving the water on uses 4 gallons of water.

Turning the water off while you brush uses only 1/2 gallon.

A toilet is not a trash can.

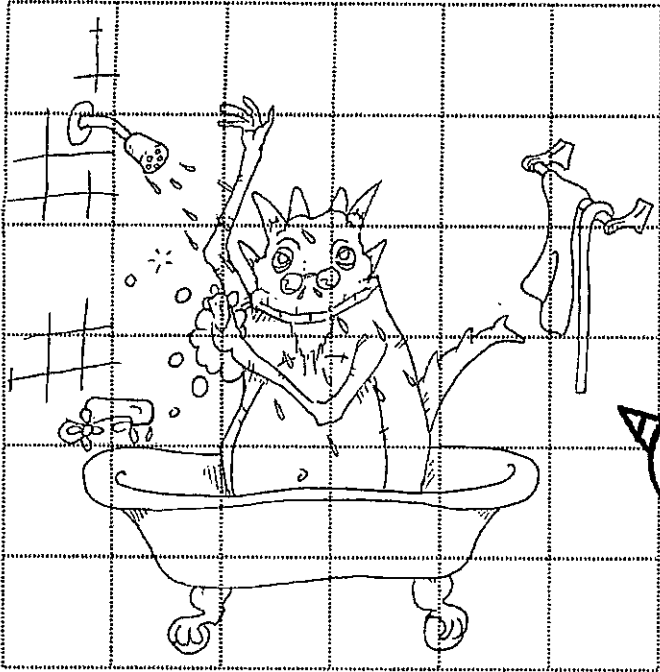


A Fun Fact
Toilets use from 1 1/2 to 5 1/2 gallons of water for every flush. For a family, that adds up to about 20 to 70 gallons per day.



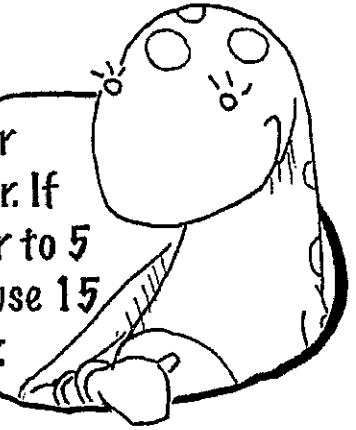
Take shorter showers to save water

Draw a Water saving Shower

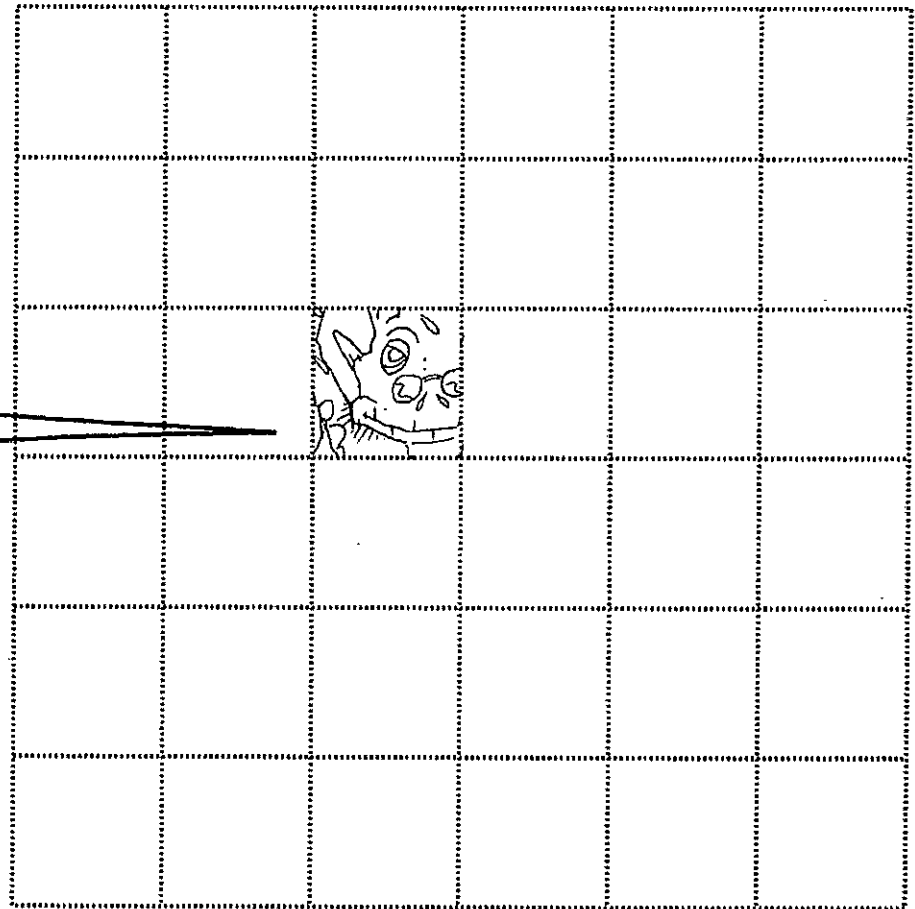


A Fun Fact

A 15 minute shower uses 45 gallons of water. If you shorten your shower to 5 minutes, you use 15 gallons of water.



Back in my day an entire family would reuse the same water to bathe. That made it important to be the first in line to take a bath.



Practice good outdoor water activities

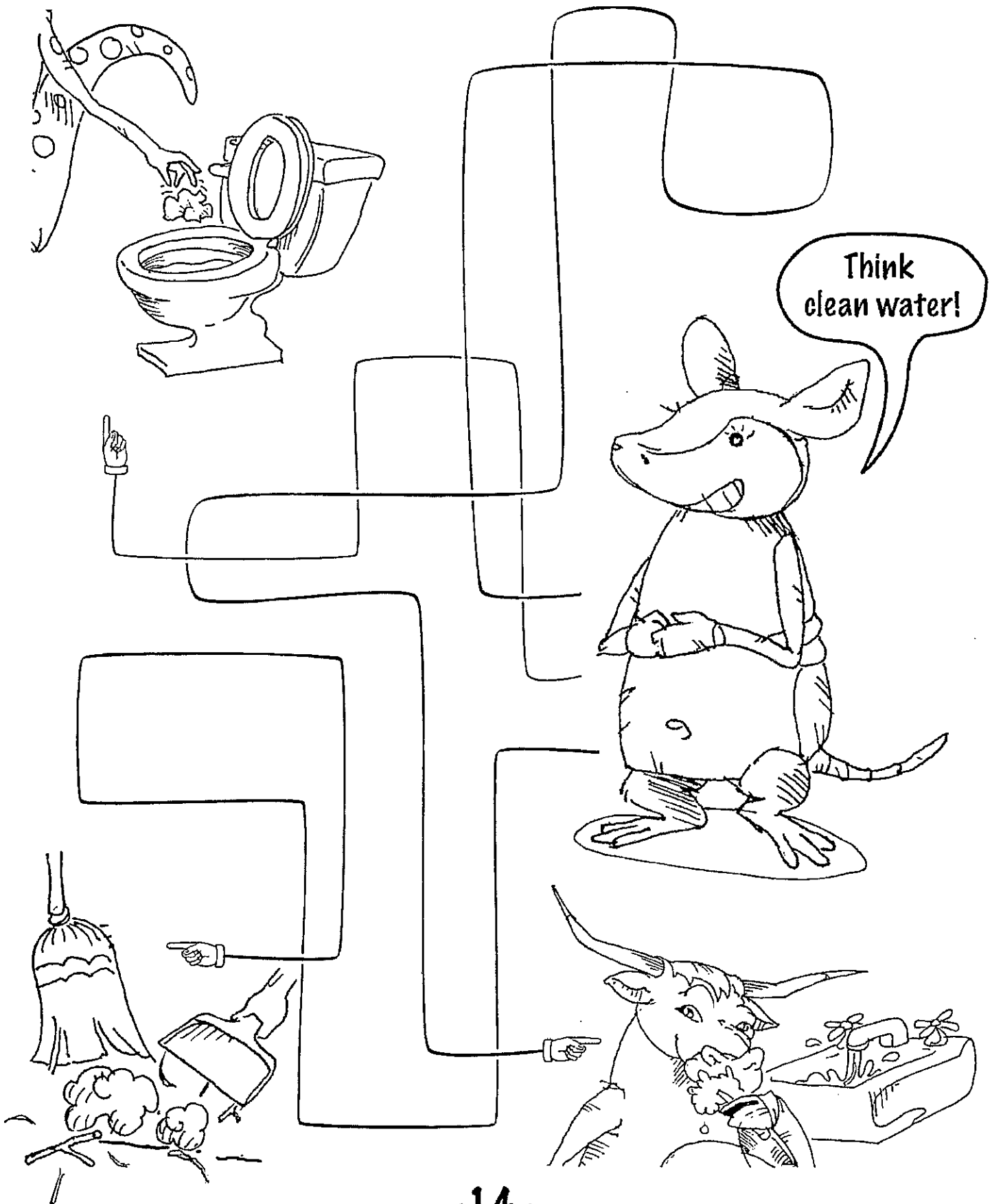
Use a bucket or a hose with a shut-off nozzle to wash the car.

Nothing grows on the street or sidewalk-water just the plants.

Thanks for sweeping. Anything that goes down here flows into a river.

Use a broom to clean the driveway. Don't use a hose.

Find the Path to a good water practice



Use what you have learned to fill in the blanks.

Water is important for people and animals because _____

In the bathroom I can save water by _____

I use water for _____

Now write your own story about water. Here are some words you can use.

Reservoir

Toilet

Swim

Morning

Aquifer

Sink

Plants

Afternoon

Gulf of Mexico

Shower

Trash

Fish

Rio Grande

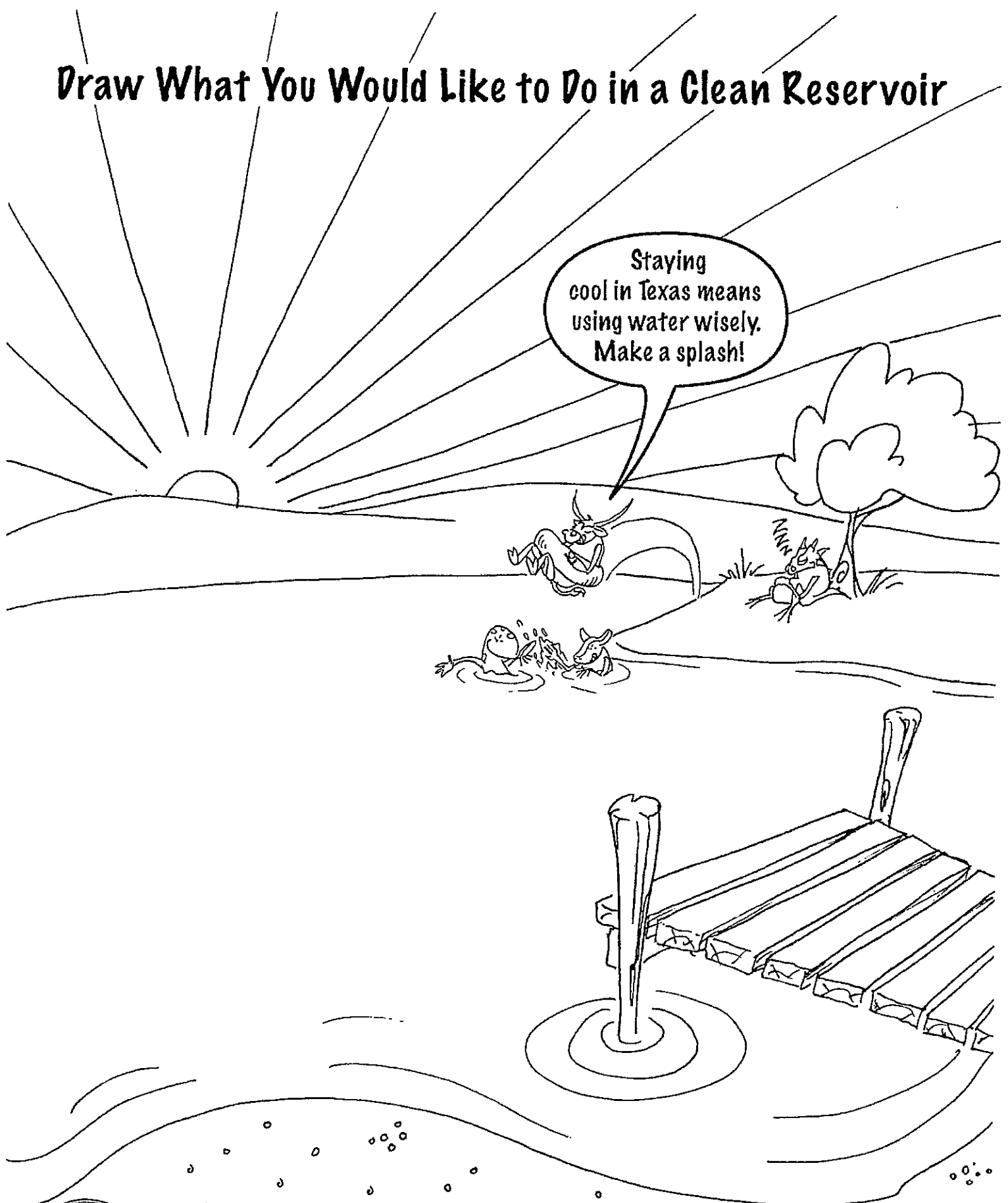
Drink

Brush

Boat

Draw What You Would Like to Do in a Clean Reservoir

Staying cool in Texas means using water wisely. Make a splash!



Developed by the Texas Water Development Board
and illustrated by Seth Mabbott
with creative direction from Camille Fredin



Take little steps each day to reduce the amount of water you use, by the end of the month it will become second nature.



[About Us](#) [Get Informed](#) [Take Action](#) [Programs/Events](#) [Kids Corner](#) [Shop](#) [Site Map](#) [Search](#) [Contact Us](#)

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Groundwater Word Search

The Groundwater Foundation. Learn more at www.groundwater.org.



aquifer
condensation
drink
drought
evaporation
fuel
groundwater
irrigate

permeable
pollution
precipitation
recharge
runoff
saturation zone
spring
well

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Easy Ways to Conserve Water

Don't Let It Run.

We have all developed the bad habit of letting the faucet run while wait for the shower to warm up, while we brush our teeth, or while wait for a cold glass of water. Keeping a pitcher of water in the refrigerator or turning the faucet off while we brush our teeth can save several gallons of water each day! It's simple really, before you turn on the tap, think of ways you can use less water to accomplish the same purpose.



Fix The Drip.

There is no such thing as a little drip. A leaky faucet with a drip of just 1/16 of an inch in diameter (about this big -o-) can waste 10 gallons of water every day. You can turn off that drip by replacing worn washers or valve seats with the help of your parents. The silent leak. Even worse than the careless hand on the faucet is the silent toilet bowl leak, probably the single greatest water waster in homes. A leak of one gallon every 24 minutes—an average amount—totals 2.5 gallons per hour or 60 gallons per day! To check your toilet for a leak, place a few drops of food coloring in the tank and wait. If the color appears in the bowl, then there's a leak. Often these leaks can be fixed with a few minor adjustments, cleaning calcium deposits from the toilet ball in the tank, or by replacing worn valves.



Close The Hose.

Letting the garden hose run faster or longer than necessary while we water the lawn or wash the car often becomes a careless and wasteful habit. A 1/2 inch garden hose under normal water pressure pours out more than 600 gallons of water per hour and a 3/4 inch hose delivers almost 1,900 gallons in the same length of time. If left on overnight, one garden hose can easily waste twice as much water as the average family uses in a month.



Irrigate Wisely.

We have all seen the neighbor waters their lawn during an afternoon thunder storm. We have all seen the corner business whose whose automatic sprinkler system consistently over-waters causing sheets of water to flow across sidewalks and parking lots. Be wise, watch the weather and irrigate only during the cooler parts of the day (early morning or late evening). How do you know if you lawn requires water? Try the step test. If you walk across your lawn and the grass does not spring back up, then it's time to water. Most grass varieties require minimal watering (1/4 - 1/2 inches, once or twice a week). Set a small cup next to your sprinkler to measure the amount your particular sprinkler delivers.



Check The Plumbing.

Proper maintenance is one of the most effective water savers. Faucet washers are inexpensive and take only a few minutes to replace. At home, check all water taps, hoses, and hose connections (even those that connect to dishwashers and washing machines) for leaks. Check the garden hose too—it should be turned off at the faucet, not just at the nozzle.



The 5 Minute Challenge.



Try This At Home

Aquifer In A Cup

Objective

Groundwater is water that is found underground in the spaces and cracks between soil, sand and gravel. Often hidden from view, in this activity you will "see" what groundwater looks like and learn some basic groundwater vocabulary.

Materials Needed

- 2 clear cups
- Sand, gravel and aquarium rock
- Pitcher of water

Vocabulary

groundwater, aquifer, surface water, contamination, water table, saturation zone, infiltration, recharge, porosity, permeability (view [Groundwater Glossary](#))

Procedure

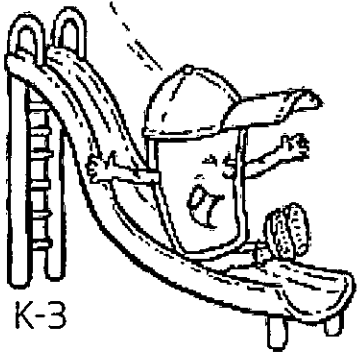
1. Fill 2 cups with layers of sand and gravel to about 3/4 from the top of each cup. Remember that in nature, aquifers consist of layers of sand, gravel and rock.
2. In one of the cups, pour water slowly into it. Watch how the water fills the spaces between the particles of sand and gravel. Does the water appear to move faster through the sand or faster through the gravel? Why?
3. Now continue to fill this cup with water to the top (above the top of the sand and gravel). Water that is located above ground, like rivers and lakes, is called surface water. Water below the ground's surface is called groundwater.
4. In the second cup, slowly pour water into the cup until the water line is about one inch below the top of the sand/gravel. Look closely at this line created by the water. This line is called the water table. Water below the water table is called the saturation zone.
5. Now pretend that your pitcher of water is a large rain cloud and pour some more water into your second aquifer until the water table is about one half an inch below the surface of the gravel. Your groundwater supply has just been recharged. This is what happens when it rains or snows and water infiltrates (or sinks) into the ground.

Optional Extensions

1. Use liquid food coloring or powdered drink mix to represent a [source of groundwater contamination](#). Sprinkle or pour the contamination on the surface of the gravel. Sprinkle water (to represent rain) on top of the gravel and contaminant. Observe and discuss what happens.

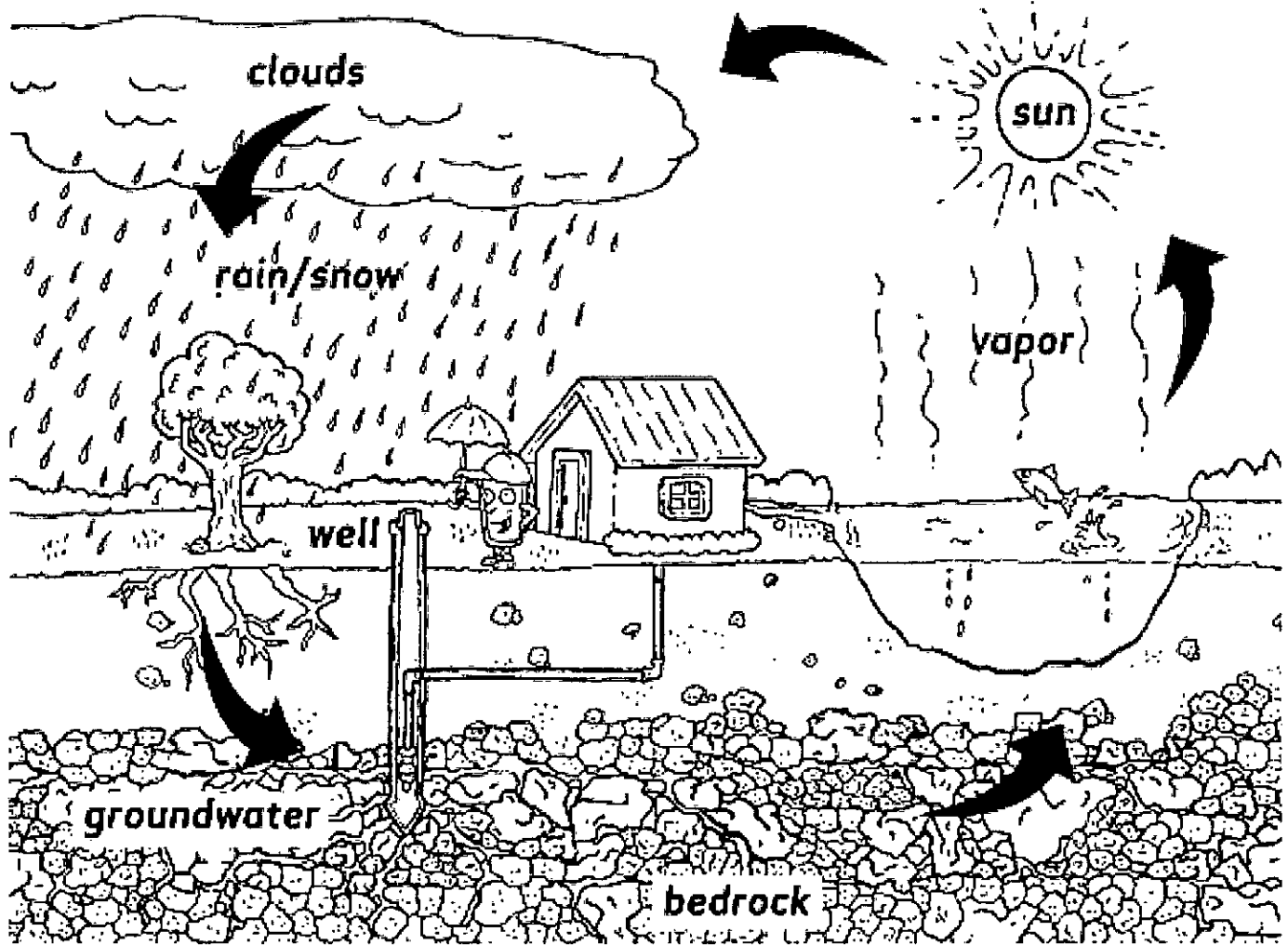


Donate



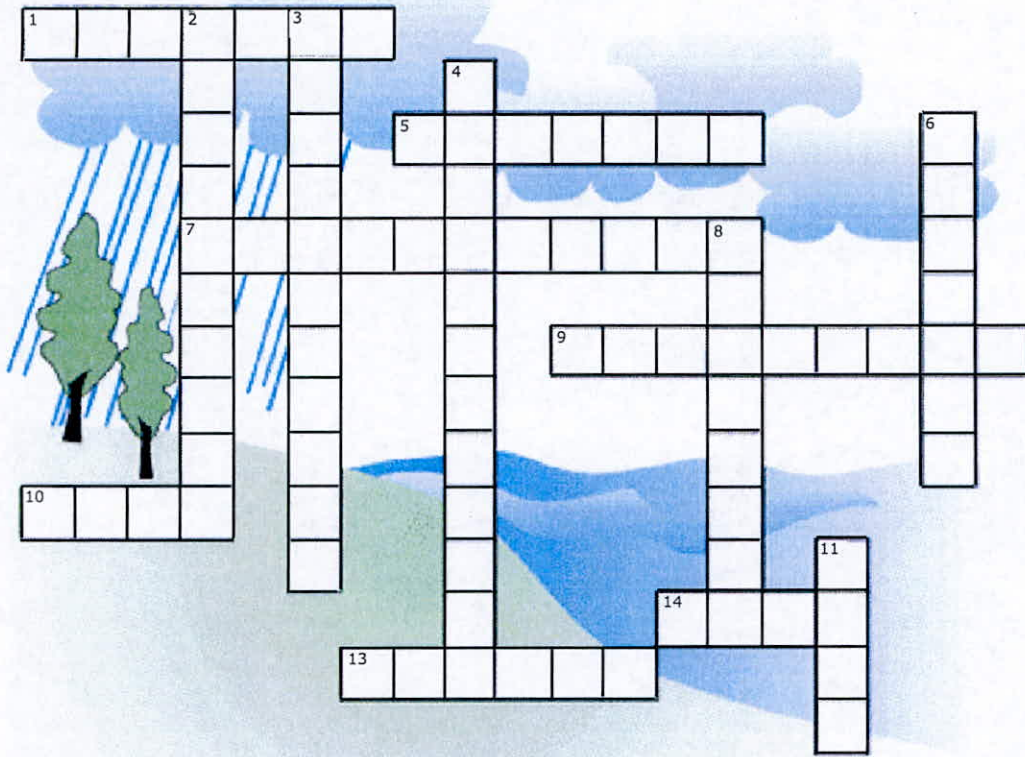
K-3

Thirstin's Water Cycle Adventure



Water Cycle Crossword

From The Groundwater Foundation. Learn more at www.groundwater.org.



ACROSS

1. Layers of soil, sand and rocks that store groundwater.
5. To contaminate, to become unclean.
7. Water that is found underground in the cracks and spaces in the soil, sand and rocks.
9. Groundwater leaves the ground and enters a lake or stream in a _____ area.
10. An example of precipitation.
12. A pipe in the ground that is used to remove water from an aquifer.
13. Water on the earth's surface which moves into a lake or stream without absorbing into the soil.

DOWN

2. The largest use for groundwater is _____.
3. The stage of the water cycle when water changes from a liquid to a vapor.
4. Clouds are an example of this.
6. A long period of dry weather could cause a _____.
8. Part of the water cycle when water soaks into the soil.
11. The movement of water underground is called groundwater _____.



Victoria County Groundwater Conservation District
 2805 N. Navarro St, Suite 210, Victoria, Texas 77901
 (361) 579-6863 (361) 579-0041
 Website: www.vcgcd.org Email: admin@vcgcd.org

Received
 5-14-13 *dy*
 in the office of



Participation Acknowledgement Form

PROGRAM/EVENT INFORMATION

Program/Event Title:	2013 Victoria Soil & Water Conservation District Awards Banquet		
Program/Event Date:	4/25/2013	Program/Event Location:	Spring Creek Place Event Center 12116 Nursery Dr. Victoria, TX 77904
Program Description:	Speaker		
Description of VCGCD Participation:	Presentation regarding groundwater conservation in Victoria, Texas.		

DISCUSSION TOPICS

Efficient Use of Groundwater		Preventing Waste of Groundwater	
Conjunctive Use	X	Natural Resource Issues	X
Drought Conditions	X	Conservation	X
Recharge Enhancement		Rain Water Harvesting	
Precipitation Enhancement		Brush Control	
Preventing Subsidence		Desired Future Conditions	X

SIGNATURE

Ruth Huebner

 Signature of Program/Event Coordinator

5/14/13

 Date

RUTH HUEBNER - District Clerk

 Printed Name and Title of Program/Event Coordinator

Donna Yanta

From: Victoria SWCD <victoriaswcd@tx.nacdn.net.org>
Sent: Tuesday, May 14, 2013 10:45 AM
To: admin@vcgcd.org
Subject: Acknowledgement Form
Attachments: Scan 19.PDF

The message is ready to be sent with the following file or link attachments:
Scan 19.PDF

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

Victoria County Groundwater Conservation District



Directors:

Mark Meek
President

Jerry Hroch
Vice-President

Barbara Dietzel
Secretary

Thurman Clements
Kenneth Eller

May 13, 2013

Victoria Soil & Water Conservation District
312 S. Main St., Room 308
Victoria, Texas 77901

Re: Participation Acknowledgement Form

Mrs. Huebner,

I am sending you a Participation Acknowledgment Form to be signed and returned. This form is verification for our office that Tim Andruss, General Manager of the Victoria County Groundwater Conservation District spoke at an event or program that was given by the Victoria Soil & Water Conservation District.

Thank you,

Donna Yanta,
Administrative Assistant
Victoria County Groundwater Conservation District

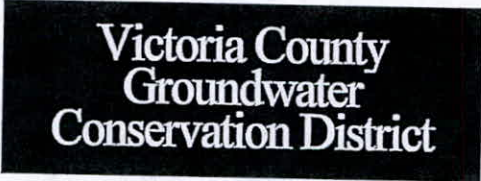


Victoria County Groundwater Conservation District
 2805 N. Navarro St, Suite 210, Victoria, Texas 77901
 (361) 579-6863 (361) 579-0041
 Website: www.vcgcd.org Email: admin@vcgcd.org

Participation Acknowledgement Form

PROGRAM/EVENT INFORMATION			
Program/Event Title:	2013 Victoria Soil & Water Conservation District Awards Banquet		
Program/Event Date:	4/25/2013	Program/Event Location:	Spring Creek Place Event Center 12116 Nursery Dr. Victoria, TX 77904
Program Description:	Speaker		
Description of VCGCD Participation:	Presentation regarding groundwater conservation in Victoria, Texas.		
DISCUSSION TOPICS			
Efficient Use of Groundwater		Preventing Waste of Groundwater	
Conjunctive Use	X	Natural Resource Issues	X
Drought Conditions	X	Conservation	X
Recharge Enhancement		Rain Water Harvesting	
Precipitation Enhancement		Brush Control	
Preventing Subsidence		Desired Future Conditions	X
SIGNATURE			
_____ Signature of Program/Event Coordinator		_____ Date	
_____ Printed Name and Title of Program/Event Coordinator			

2805 N. Navarro St., Ste. 210
Victoria, Texas 77901
(361) 579-6863 Office #
(361) 579-0041 Fax #



Fax

To: Ruth Huelsner From: Donna Yarta - VCGCD
Fax: 361-575-9537 Pages: 3
Phone: 361-576-1120 Date: 5-13-2013
Re: Participation Ack Form cc:

Urgent For Review Please Comment Please Reply Please Recycle

Mrs Huelsner,

Please see the: Participation Acknowledgement Form.
Please sign and date the form & return to VCGCD.
You may fax, email, or mail the form.

Thank you,

Donna Yarta
Admin. Assistant
Victoria County Groundwater Conserv. District.

```

*****
*
*                               TRANSACTION REPORT
*
*                               MAY-13-13 04:54 PM
*
*   FOR: VICTORIA CO GCD           3615790041
*
* _____
*   SEND
*
*   DATE   START   RECEIVER           PAGES   TIME   NOTE
* _____
*   MAY-13 04:53 PM 5759537           3       1'34"  OK
* _____
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Victoria County Groundwater Conservation District
 2805 N. Navarro St, Suite 210, Victoria, Texas 77901
 (361) 579-6863 (361) 579-0041
 Website: www.vcgcd.org Email: admin@vcgcd.org

Participation Acknowledgement Form

PROGRAM/EVENT INFORMATION			
Program/Event Title:	Guest Speaker at Victoria West High School Aquatic Science Class		
Program/Event Date:	April 26, 2013 and May 1, 2013	Program/Event Location:	Victoria West High School 307 W. Tropical Dr. Victoria, TX 77904
Program Description:	Guest Speaker		
Description of VCGCD Participation:	Guest Speaker presenting information regarding Groundwater Conservation Districts.		

DISCUSSION TOPICS			
Efficient Use of Groundwater	X	Preventing Waste of Groundwater	X
Conjunctive Use	X	Natural Resource Issues	X
Drought Conditions	X	Conservation	X
Recharge Enhancement	X	Rain Water Harvesting	X
Precipitation Enhancement	X	Brush Control	X
Preventing Subsidence	X	Desired Future Conditions	X

SIGNATURE	
 _____ Signature of Program/Event Coordinator	8/15/13 _____ Date
Denise Andrus, Teacher Victoria West _____ Printed Name and Title of Program/Event Coordinator	
High School, Aquatic Science	

Victoria County Groundwater Conservation District



Directors:

Mark Meek -
President

Jerry Hroch
Vice-President

Barbara Dietzel
Secretary

Thurman Clements
Kenneth Eller

May 13, 2013

Victoria West High School
307 W. Tropical Dr.
Victoria, Texas 77904

Re: Participation Acknowledgement Form

Mrs. Andruss,

I am sending you a Participation Acknowledgment Form to be signed and returned. This form is verification for our office that Tim Andruss, General Manager of the Victoria County Groundwater Conservation District spoke at an event or program that was given by the Victoria West High School Aquatic Science Class.

Thank you,

Donna Yanta,
Administrative Assistant
Victoria County Groundwater Conservation District



Victoria County Groundwater Conservation District
 2805 N. Navarro St, Suite 210, Victoria, Texas 77901
 (361) 579-6863 (361) 579-0041
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Participation Acknowledgement Form

PROGRAM/EVENT INFORMATION			
Program/Event Title:	Guest Speaker at Victoria West High School Aquatic Science Class		
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Program Description:	Guest Speaker		
Description of VCGCD Participation:	Guest Speaker presenting information regarding Groundwater Conservation Districts.		
DISCUSSION TOPICS			
Efficient Use of Groundwater	X	Preventing Waste of Groundwater	X
Conjunctive Use	X	Natural Resource Issues	X
Drought Conditions	X	Conservation	X
Recharge Enhancement	X	Rain Water Harvesting	X
Precipitation Enhancement	X	Brush Control	X
Preventing Subsidence	X	Desired Future Conditions	X
SIGNATURE			
_____ Signature of Program/Event Coordinator		_____ Date	
_____ Printed Name and Title of Program/Event Coordinator			

Donna Yanta

From: Donna Yanta <dyanta@vcgcd.org>
Sent: Monday, May 13, 2013 4:27 PM
To: 'denise.andruss@visd.net'
Subject: Participation Acknowledgement Form to be Signed and Returned.
Attachments: Participation Ack DAndruss 20130513.pdf

Mrs. Andruss,

Please see the attachment: Participation Acknowledgement Form to be Signed and Returned. This is in reference to guest speaker, Tim Andruss, presenting information regarding Groundwater Conservation Districts on April 26, 2013 and May 1, 2013 to the Victoria West High School Aquatic Science Class.

Thank you,

Donna Yanta

**Administrative Assistant
Victoria County Groundwater Conservation District
2805 N. Navarro, Ste. 210
Victoria, Texas 77901
Office# 361-579-6863
Fax# 361-579-0041
dyanta@vcgcd.org**

**VICTORIA COUNTY
WATERWISE™ PROGRAM
SUMMARY REPORT**

SPRING 2013

**SUBMITTED BY:
RESOURCE ACTION PROGRAMS***



**RESOURCE ACTION
PROGRAMS**

Victoria County WaterWise™ Program Summary Report Spring 2013


Made possible by:



Submitted by:



August 2013




“What the students liked best about the Program was the kit! They loved getting their families involved!”

Kelly Lorange, Teacher
Aloe Elementary School

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“What the students liked best about the Program was the Kit and the items to install at home to conserve water.”

Laura Schulz, Teacher
Nursery Elementary School

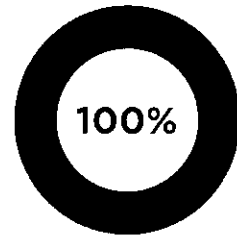
Executive Summary

This report summarizes the Spring 2013 Victoria County WaterWise Program, which was implemented by two-hundred fifteen (215) fifth-grade teachers, students and their families. Funding was provided by Victoria County Groundwater Conservation District.

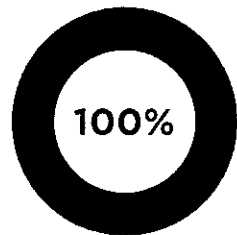
The program is a fully implemented, multi-resource efficiency education program designed to facilitate installation of efficiency measures in homes and build knowledge about water and energy. The design yields a variety of measurable water and energy savings results using the best messengers—students. A proven blend of teacher-designed classroom activities, with hands-on home projects to install high-efficiency devices, introduces resource conscious behavior to students and their families. Both educational studies and utility evaluations prove the importance of addressing various learning styles to maximize learning and the adoption of new behaviors. A critical element of this approach is the actual use of the new knowledge through reporting. The reporting function provides reinforcement of new concepts while increasing participation and persistence. Implementation includes utilizing professionally recognized project management methodologies. This approach allows us to set better expectations and deliver excellent customer service through better organization, scheduling and reporting of results. An overview of the results from the program appears in the pages that follow, with greater detail in the appendices.

Participant Satisfaction

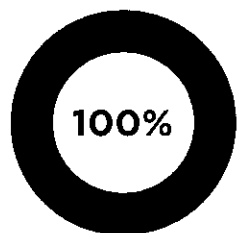
A successful program excites and engages participants. Students, teachers, and parents are all asked to evaluate the program and provide personal comments. A sample of the feedback is given in the margin. >



Teachers who indicated parents supported the program.

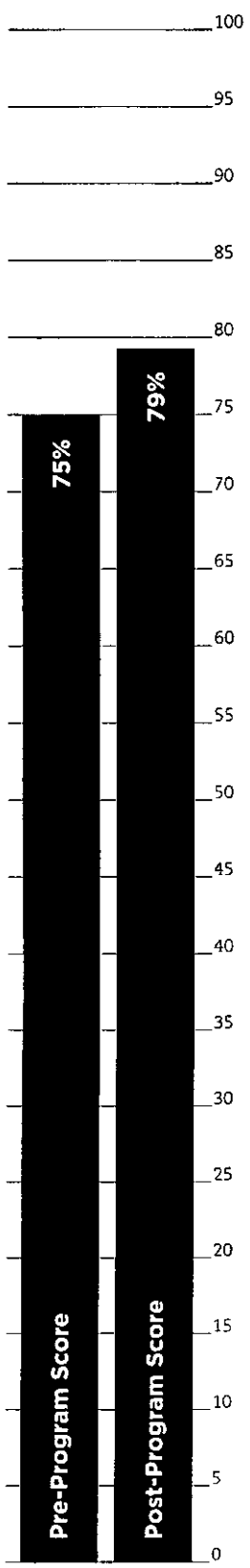


Teachers who indicated they would recommend this program to other colleagues.



Teachers who indicated they would conduct this program again.

A summary of responses can be found in Appendix D.



Knowledge Gained

Identical tests were taken by students prior to the program and again upon program completion to measure knowledge gained. Scores and subject knowledge improved from **75% to 79%**.

Data Obtained

Home surveys were performed by students and their families, collecting household demographic and consumption data along with program participation information.

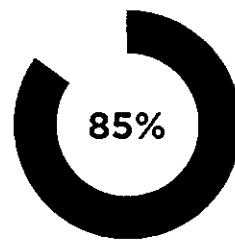
A summary of responses can be found in Appendix B.



Students who indicated their family home is owned.



Students who reported that their home has a dishwasher.

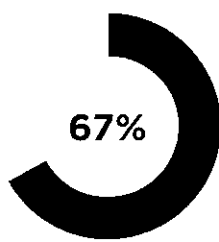


Students who reported they live in a single family home.

Measures Installed

Students completed retrofit activities as part of the program, and reported the measures they installed in their own homes.

A summary of responses can be found in Appendix B.



Students who reported they installed the High-Efficiency Showerhead.



Students who reported they installed the Bathroom Aerator.



Students who reported they installed the Kitchen Aerator.

Water and Energy Savings Results


In addition to educating students and their parents, the primary program goal is to generate cost effective water and energy savings. Student home surveys not only provided the data used in the savings projections, but also reinforced the learning benefits.

Projected Resource Savings

A list of assumptions and formulas used for these calculations can be found in Appendix A.

PROJECTED ANNUAL SAVINGS		PROJECTED TEN YEAR SAVINGS	
1,381,077	gallons of water saved	8,368,966	gallons of water saved
2,380	therms of gas saved	15,072	therms of gas saved
94,982	kWh electricity saved	603,762	kWh electricity saved
1,381,077	gallons wastewater saved	8,368,966	gallons wastewater saved

PROJECTED ANNUAL SAVINGS PER HOME		PROJECTED TEN YEAR SAVINGS PER HOME	
6,424	gallons of water saved	38,925	gallons of water saved
11	therms of gas saved	70	therms of gas saved
442	kWh electricity saved	2,808	kWh electricity saved
6,424	gallons wastewater saved	38,925	gallons wastewater saved



“RAP programs serve more than 550,000 households each year through elementary school, middle school and adult programs. Our fifty person staff manages the implementation process and program oversight for nearly 300 individual programs annually.”

Program Overview

For more than 20 years, Resource Action Programs (RAP) has designed and implemented resource efficiency and education programs – changing household water and energy use while delivering significant, measurable resource savings for you. All RAP Programs feature a proven blend of innovative education, comprehensive implementation services, and hands-on activities to put new knowledge to work in students' homes.

RAP Programs serve more than 550,000 households each year through elementary school, middle school and adult programs. Our fifty person staff manages the implementation process and program oversight for nearly 300 individual programs annually. Recognized nationally as a leader in water and energy efficiency education and program design, RAP has a strong reputation for providing a high level of client service as part of a wide range of conservation and resource efficiency solutions for municipalities, utilities, states, community agencies and corporations.


All aspects of program design and implementation are completed at the Program Center in Sparks, Nevada. These include graphic and web design, teacher enrollment, print production, warehousing and distribution, kit production, marketing, program tracking, data tabulation and reporting.

The school-based WaterWise Program is fully implemented and designed to generate

immediate and long-term savings by bringing interactive real world education home with motivated students. The program staff identifies and enrolls students and teachers within the designated service territory. Enrolled participants receive educational materials designed to build knowledge and demonstrate simple ways to save, by not only changing habits, but also changing devices.

Materials support state and national educational standards, which allow the program to easily fit into teachers' existing schedules and requirements.

The program begins with classroom discussions that teach the importance of using water and energy efficiently, followed by hands-on, creative problem solving. Next, participants take home a WaterWise Kit that contains high-efficiency measures. With the help of their parents/guardians, they install the measures in their home and complete a home survey. By installing and monitoring the new efficiency measures in their own homes, students are able to measure what they learned with actual water, energy, and monetary savings! These savings benefit both the participating student households and their communities. The WaterWise staff tabulates all responses, including home survey information, teacher responses, student input, parent feedback, and generates this Program Summary Report.



“In addition to increasing resource awareness and efficiency, the program strengthens bonds between you and your community. The program has been designed from start to finish with this in mind.”

Program Materials

Each participant receives classroom materials and a WaterWise Kit containing efficiency measures for their homes to perform the hands-on activities. Modifications were made to select materials which incorporated Victoria County Groundwater Conservation District branding.

Each Student/Teacher Receives

Student Guide

Student Workbook

Parent/Guardian Program Introduction Letter*

Home Survey

Certificate of Achievement

WaterWise Kit containing:

- High-Efficiency Showerhead*
- Kitchen Aerator*
- Bathroom Aerator*
- Mini Tape Measure
- Digital Thermometer*
- Drip/Rain Gauge
- Flow Rate Test Bag
- Natural Resources Fact Chart
- Toilet Leak Detector Tablets*
- Parent/Guardian Program Evaluation

WaterWise Installation DVD

“WaterWise” Wristbands

Unlimited Interactive Program Website Access

Toll-Free HELP Line

Each Teacher/Classroom Receives

Teacher Book

Step-by-Step Program Checklist

Lesson Plans

Teacher Program Evaluation

Supplemental Activities*

Texas State Education Standards

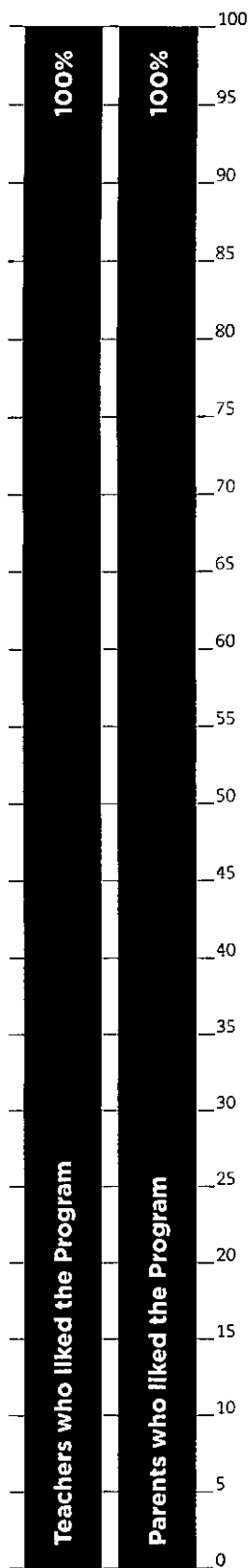
Correlation Chart

Pre/Post Test Answer Keys

Water Poster

Self-Addressed Postage-Paid Envelope

* Materials / Installation Instructions provided in English and Spanish



Custom Branding

In addition to increasing resource awareness and efficiency, the program strengthens bonds between you and your community. The program has been designed from start to finish with this in mind. One of the steps taken to ensure the greatest possible exposure is to feature the Victoria County Groundwater Conservation District logo in each WaterWise Kit. In addition to the WaterWise Kit, the Teacher Program Evaluation and Parent/Guardian Program Introduction Letter feature Victoria County Groundwater Conservation District branding.



Program Materials

TEACHER EVALUATION FORM

Name: _____
 School: _____
 Number of Students: _____
 Teacher: _____

Please circle the Texas Water Foundation's "Program by the Sea" Teacher Evaluation Form. Please circle the program you are evaluating. Please circle the program you are evaluating. Please circle the program you are evaluating.

PLEASE FILL IN THE CIRCLE THAT BEST REPRESENTS YOUR OPINION:

1. The program was very good and well received.
 - Strongly agree
 - Agree
 - Disagree
 - Strongly disagree
2. The program was good and well received.
 - Strongly agree
 - Agree
 - Disagree
 - Strongly disagree
3. The program was fair and well received.
 - Strongly agree
 - Agree
 - Disagree
 - Strongly disagree
4. The program was not good and well received.
 - Strongly agree
 - Agree
 - Disagree
 - Strongly disagree

GET YOUR \$20.00 NOW!

Receive the following by May 1, 2013:

- 40% of Program
- 10% of Program
- 10% of Program
- 10% of Program
- 10% of Program

Teacher Evaluation Form

PARENTS

CONGRATULATIONS!

Your child has been selected to participate in the exciting Texas Water Foundation "Program by the Sea" program. This program is designed to teach your child about the value of water and how to save water in your daily life. This program is being provided to Victoria County, Brazos Valley Environmental Institute and Texas Water Foundation at no cost to you or your child.

The program is a requirement of your \$2,000 per year or \$100 per year for each child. This program will be provided to you and your child. This program will be provided to you and your child. This program will be provided to you and your child.

To complete your kit, please:

1. Have your child sign the kit.
2. Have your child sign the kit.
3. Have your child sign the kit.
4. Have your child sign the kit.
5. Have your child sign the kit.

LET'S GET STARTED!

SIGN + INSTALL = SAVE \$\$\$

QUESTIONS? 1-800-867-4766 www.gotwater.org

Parent Letter

This program is brought to you by:

VICTORIA COUNTY WATER CONSERVATION DISTRICT

Send me my kit of water conservation materials or call me. I'll pay for it. I'll pay for it. I'll pay for it.

© 2012 Resource Action Programs
 Model 107

Kit Label

TEXAS WATER FOUNDATION

ADDRESSING THE UNIQUE WATER NEEDS OF TEXAS

STUDENT GUIDE

Student Guide

TEXAS WATER FOUNDATION

ADDRESSING THE UNIQUE WATER NEEDS OF TEXAS

STUDENT WORKBOOK

Student Workbook

TEXAS WATER FOUNDATION

ADDRESSING THE UNIQUE WATER NEEDS OF TEXAS

TEACHER BOOK

Teacher Book

TEXAS WATER

Poster featuring a map of Texas and various water conservation images.

Poster

TEXAS WATER FOUNDATION

CERTIFICATE OF ACHIEVEMENT

Awards to _____

For outstanding achievement in water conservation.

Certificate of Achievement

TEXAS WATER FOUNDATION

ADDRESSING THE UNIQUE WATER NEEDS OF TEXAS

WATERWISE KIT

Kit Box



*“What I liked best about the Program
was all of the supplies and CD
explaining everything.”*

Brenda Branton, Teacher

Mission Valley Elementary School

Program Implementation

The Spring 2013 Victoria County WaterWise Program followed this comprehensive implementation schedule:

1. Identification of Texas state education standards & benchmarks
2. Curriculum development and refinement (completed annually)
3. Curriculum correlation to Texas state education standards & benchmarks
4. Materials modification to incorporate Victoria County Groundwater Conservation District branding
5. Incentive program development
6. Teacher/school identification - with Victoria County Groundwater Conservation District approval
7. Teacher outreach and program introduction
8. Teachers enrolled in the program individually
9. Implementation dates scheduled with teachers
10. Program material delivered to coincide with desired implementation date
11. Delivery confirmation
12. Periodic contact to ensure implementation and teacher satisfaction
13. Program completion incentive offered
14. Results collection
15. Program completion incentive delivered to qualifying participants
16. Thank-you cards sent to participating teachers
17. Data analysis
18. Program Summary Report generated and distributed

Participating teachers are free to implement the program to coincide with their lesson plans and class schedules. Appendix C provides a comprehensive list of fifth-grade classrooms that participated during the spring of the 2012-2013 school year.



“Upon completion of the Program, participating families are asked to complete a home survey to assess their resource use, verify product installation, provide demographic information, and measure participation rates.”

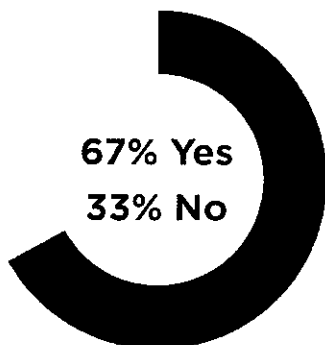
Program Impact

The Victoria County WaterWise Program has had a significant impact within the community. As illustrated below, the program successfully educated participants about water and energy efficiency while generating resource savings through the installation of efficiency measures in homes. Home survey information was collected to track projected savings and provide household consumption and demographic data. Program evaluations and comments were collected from teachers, students and parents. The following program elements were used to collect this data:

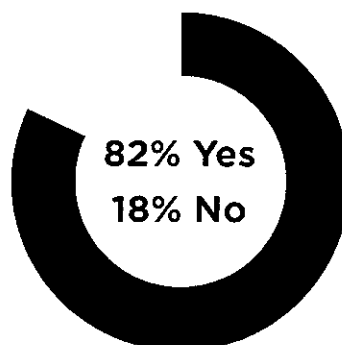
A. Home Survey

Upon completion of the program, participating families are asked to complete a home survey to assess their resource use, verify product installation, provide demographic information and measure participation rates. A few samples of questions asked are below while a complete summary of all responses is included in the appendices.

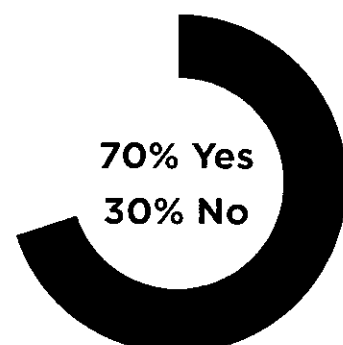
Did your family install the new High Efficiency Showerhead?	Yes - 67%
Did you work with your family on this program?	Yes - 82%
Did your family change the way they use water?	Yes - 70%



Students who indicated they installed the High Efficiency Showerhead.



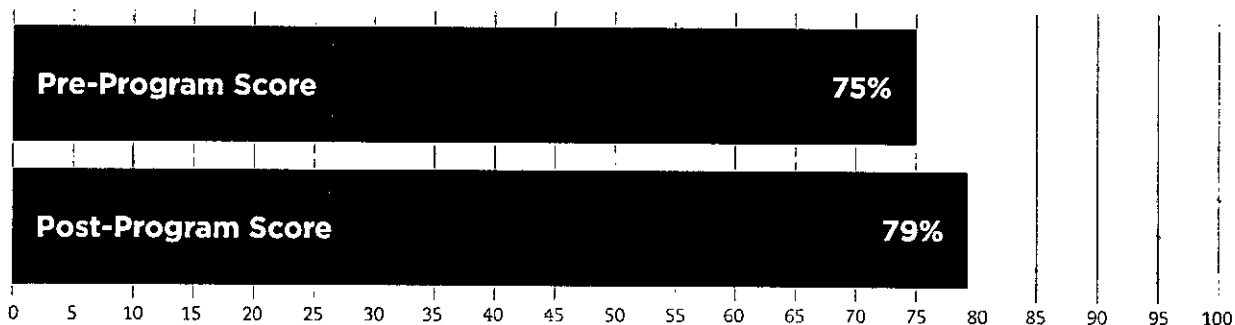
Students who indicated they worked with their family on this program.



Students who indicated their family changed the way they use water.

B. Pre-Program and Post-Program Tests

Students were asked to complete a nine-question test before the program was introduced and then again after it was completed to determine the knowledge gained through the program. The average student answered **75%** of the questions correctly prior to being involved in the program and then improved to answer **79%** of the questions correctly following participation.



C. Home Activities

As part of the program, parents and students installed resource efficiency measures in their homes. They also measured the pre-existing devices to calculate savings that they generated. Using the family habits collected from the home survey as the basis for this calculation, two-hundred fifteen (215) households are expected to save the following resource totals. Savings from these actions and new behaviors will continue for many years to come.

Projected Resource Savings

A list of assumptions and formulas used for these calculations can be found in Appendix A.

Number of Participants:	215	
	Annual	Lifetime
Projected reduction from showerhead retrofit:	292,716	2,927,164 gallons
Product Life: 10 years	635	6,346 therms
	25,770	257,702 kWh
Projected reduction from kitchen aerator retrofit:	571,650	2,858,248 gallons
Product Life: 5 years	917	4,583 therms
	36,353	181,764 kWh
Projected reduction from bathroom aerator retrofit:	516,711	2,583,554 gallons
Product Life: 5 years	829	4,143 therms
	32,859	164,296 kWh
TOTAL PROJECTED PROGRAM SAVINGS:	1,381,077	8,368,966 gallons
	2,380	15,072 therms
	94,982	603,762 kWh
TOTAL PROJECTED PROGRAM SAVINGS PER HOUSEHOLD:	6,424	38,925 gallons
	11	70 therms
	442	2,808 kWh

D. Teacher Program Evaluation

Program improvements are based on participant feedback received. One of the types of feedback obtained is from participating teachers via a Teacher Program Evaluation form. They are each asked to evaluate relevant aspects of the program, and each response is reviewed for pertinent information. The following is feedback from the Teacher Program Evaluation for the Victoria County WaterWise Program.

Teacher Response

(A summary of responses can be found in Appendix D)

100% of participating teachers indicated they would conduct the program again given the opportunity.

100% of participating teachers indicated they would recommend the program to their colleagues.

What did students like best about the Program? Explain.

"The kit! They loved getting their families involved!"

Kelly Lorange, Aloe Elementary School

"The kit."

Terri Ratliff, Aloe Elementary School

"Being able to take home items to try."

Lovie Sayles-Clark, Aloe Elementary School

"Supplies for home."

Brenda Branton, Mission Valley Elementary School

"The Kit and the items to install at home to conserve water."

Laura Schulz, Nursery Elementary School

"The students loved the free box of items. They also seemed to like the blue tabs the best. It was fun for them to work with their parents."

Kathy Westerman, Bloomington Elementary School

What did you like best about the Program? Explain.

"The fun activities. It kept the kids engaged!"

Kelly Lorange, Aloe Elementary School

"The lesson plans."

Terri Ratliff, Aloe Elementary School

"Activities, organization of lessons."

Lovie Sayles-Clark, Aloe Elementary School

Teacher Response

(A summary of responses can be found in Appendix D)

"All of the supplies and CD explaining everything."

Brenda Branton, Mission Valley Elementary School

"The lessons and activities correlated to the TEKS."

Laura Schulz, Nursery Elementary School

"I liked the extra teaching activities."

Kathy Westerman, Bloomington Elementary School

What would you change about the Program? Explain.

"Add more extra activities."

Kelly Lorange, Aloe Elementary School

"Please don't ask back right after STARR. Middle of May would be better. I would address at the beginning of the book what supplies (cookies, candy, etc.) are needed to buy for the week."

Terri Ratliff, Aloe Elementary School

"Nothing."

Brenda Branton, Mission Valley Elementary School

"Nothing."

Laura Schulz, Nursery Elementary School

"I would love as many activities as possible."

Kathy Westerman, Bloomington Elementary School

E. Teacher Letter

Victoria County Ground Water
Conservation District:

Thank you so much for providing
our students with the workbooks,
information, and activities about
conserving water. Water Conservation
is a TEK we cover in fifth grade,
so it was fun to present the
information in a "fun" way! Our
students were excited to take home
the kits and get their family
involved! Thank you so much!

Thank you
Mrs Francis
5th grade

F. Parent/Guardian Program Evaluation

Parent involvement with program activities and their children is of paramount interest to both utilities and teachers in the program. When parents take an active role in their child's education it helps the schools and strengthens the educational process considerably. When students successfully engage their families in the retrofit and home efficiency projects, utility efficiency messages have been powerfully delivered to two generations in the same household. The program is a catalyst for this family interaction, which is demonstrated by feedback on the Parent/Guardian Program Evaluations which are received each year. The following is the feedback from the Parent/Guardian Program Evaluations:

Parent Response

(A summary of responses can be found in Appendix E)

100% of participating parents indicated that the program was easy to use.

100% of participating parents indicated they would continue to use the Kit items after the completion of the program.

100% of participating parents indicated they would like to see this program continued in local schools.

As a parent, which aspect of the Program did you like best?

"The shower part."

Paula Sertuche, Nursery Elementary School

Are there any comments you would like to express to your child's Program Sponsor?

"It lowered my water bill. Thanks."

Paula Sertuche, Nursery Elementary School

G. Student Letters

(A summary of responses can be found in Appendix F)

April 30, 2013

Dear Victoria County Groundwater Conservation District,

I would like to sincerely thank you for the opportunity to learn and understand why water conservation is imperative for survival. My family and I deeply appreciate the water faucets, shower head, etc. that you kindly gave me(s). The lessons you have opportuned me to learn about (water conservation) have truly given me a better understanding of this. Not only did it give me a better understanding, but my vocabulary, once a result of this, has increased its capacity. Words I now know: Hydraulic cycle, desalination, non-potable, etc. I hope you continue to provide this very necessary service to the children of Victoria, Texas.

Respectfully,
Chabri R. Hingawere

Dear Victoria County Groundwater Conservation District,

Thanks for all the neat gadgets that you gave us for free. I've all ready hooked them up. So far the bill has gone down a lot, but anyway thanks for the box.

Sincerely,
Christ

Thanks Victoria county groundwater conservation distict for providing 20% worth of equipment. I used all of it. I love the showerhead. I try to take shorter showers, and save water.

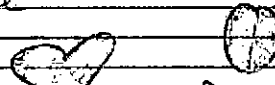
Kaitlyn Heindl
Mission Valley Elem.

April 30, 2013

Victoria County Groundwater Conservation District:

Thank You for the Groundwater Conservation District. I rilly exided that you have gave those thang to us and i rilly appreshat it and my stuff and and thank you for the CD. and thank you for ever. You for every thang I rilly appreshat it. It was rilly nice of you to give everyone. Thank you.

From: Austin McKay Honoka
5th grade



Dear, Victoria County Groundwater Conservation District.

I just want to thank you for the gear and supplies you gave us. For FREE! Also I want to thank you for the information. There some thing I didn't even know. Like the flow of the shower head could make a difference of 8pm. you use

Sincerely,
Joel

Student Response

(A summary of responses can be found in Appendix F)

Thank you for giving me the water wise kit. Now that I got it it saves alot of water now my water doesn't shoot out fast. Now it slow and perfect my mom likes it because it saved the water bill and water wale won't run out. When I tested it in five second. My old one had alot of water the new one is the best thank you for the kit.

Sincerely, Elorza

Thank you for your kit that our school got from you. I like this Water Wise Program alot. Thanks to your kit I could found out that my family and I are wasting water. My dad and I put in the bathroom faucet and the kitchen faucet. Now, our family is saving water and money around the clock. I wanted to thank you again for your Water Wise Program. I know this foundation is working hard and your work has paid off. Thank you for everything. This foundation has done for me, my family and all of Texas.

Sincerely,
Eric Rodriguez

April 20'

Dear Victoria County Groundwater Conservation District,

Thank you for the free supplies that helped me save water. It was very generous. The shower head and faucet work well and save water. Also thank you for the how to put it in guide and the packet that explains conserving water. It is important to conserve water so it doesn't run out and the book gave a good explanation why.

Thank You!

Sincerely,
Ellie

Hi 7-12 !

Patrick April 20'

Dear Victoria Groundwater Conservation District, Thank you for the water wise kit. I really appreciate the kit you have given us. My parents and I love the water. The tools saved us a lot of money because we would have had to spend a lot of money on our old that best. I have one shower being used but the one you sent works better than the one I already have and also thank you for your time. Thank you.

Sincerely
Patrick 13

Dear Victoria county ground water conservation district

Thank you for helping us learn to conserve water also for giving us all of the free stuff. I love the faucet water. The stuff you sent work better than the old one. I bet we will save lots of money by using less water. Also now we will have more nice clean water for the future citizens of Victoria. I hope you keep up your program so we can continue to save water.

Sincerely,
Dawson

Student Response

(A summary of responses can be found in Appendix F)

Thank you for sending those kits to help us reduce our water supply and lower our utility bill. You are so gracious to help the environment so we have more water to use so we won't run out of water. My pledge will help reduce water supply. Pledge is I will not take long hot showers. Thank you for being a good person and citizen to Texas.

Sincerely,
Skyler Nelson

I love The Water wise Kit you gave me. Everything fit on are sink, Shower head and everything else. The water came out smoothly and calm. I was Reading the book of the water Student guide. I Didn't know that we use all that water we use. ALSO our body uses that much water. I didn't even know like our Brain uses 70% of water. That's alot. well I love all the items you gave to us for free, thank you so much. Also one more thing I made some Pledges. OK well Thank you and bye.

Thanks
James.

I very much appreciate you going all out of your way to spend money on us. I mean, you had to buy the kits, send them to us, and your giving our class \$50! You are obviously a very nice, caring person. I will be sure to use the High-Efficiency shower head, the kitchen faucet, and the bathroom faucet.

Thank you again,
Jessica P.



Appendices

Appendix A

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Projected Savings from Showerhead Retrofit

Showerhead retrofit inputs and assumptions:

Average household size:	4.96	people ¹
Average number of full bathrooms per home:	1.86	full bathrooms per home ¹
% of water heated by gas:	33%	¹
% of water heated by electricity:	67%	¹
Installation / participation rate of:	67%	¹
Average showerhead has a flow rate of:	1.76	gallons per minute ¹
Retrofit showerhead has flow rate of:	1.38	gallons per minute ¹
Number of Participants:	215	¹
Shower duration:	8.2	minutes per day ²
Showers per day per person:	0.67	showers per day ²
Product life:	10	years ³

Projected Water Savings:

Showerhead retrofit projects an annual reduction of:	292,716	gallons ⁴
Showerhead retrofit projects a lifetime reduction of:	2,927,164	gallons ⁵

Projected Electricity Savings:

Showerhead retrofit projects an annual reduction of:	25,770	kWh ^{2,6}
Showerhead retrofit projects a lifetime reduction of:	257,702	kWh ^{2,7}

Projected Natural Gas Savings:

Showerhead retrofit projects an annual reduction of:	635	therms ^{2,8}
Showerhead retrofit projects a lifetime reduction of:	6,346	therms ^{2,9}

¹ Data Reported by Program Participants.

² (March 4, 2010). EPA WaterSense® Specification for Showerheads Supporting Statement. Retrieved from http://www.epa.gov/WaterSense/docs/showerheads_finalsupstat508.pdf

³ Provided by manufacturer.

⁴ [(Average Household Size x Shower Duration x Showers per Day per Person) + Average Number of Full Bathrooms per Home] x (Average Showerhead Flow Rate - Retrofit Showerhead Flow Rate) x Number of Participants x Installation Rate x 365 days

⁵ [(Average Household Size x Shower Duration x Showers per Day per Person) + Average Number of Full Bathrooms per Home] x (Average Showerhead Flow Rate - Retrofit Showerhead Flow Rate) x Number of Participants x Installation Rate x 365 days x Product Life

⁶ Projected Annual Water Savings x Percent of Water that is Hot Water x 0.18 kWh/gal x % of Water Heated by Electricity

⁷ Projected Annual Water Savings x Percent of Water that is Hot Water x 0.18 kWh/gal x % of Water Heated by Electricity x Product Life

⁸ Projected Annual Water Savings x Percent of Water that is Hot Water x 0.009 Therms/gal x % of Water Heated by Natural Gas

⁹ Projected Annual Water Savings x Percent of Water that is Hot Water x 0.009 Therms/gal x % of Water Heated by Natural Gas x Product Life

Projected Savings from Kitchen Aerator Retrofit

Kitchen Aerator retrofit inputs and assumptions:

Average household size:	4.96 people ¹
% of homes with a dishwasher:	54% ¹
% of homes without a dishwasher:	46% ¹
% of water heated by gas:	33% ¹
% of water heated by electricity:	67% ¹
Installation / participation rate of:	60% ¹
Number of Participants:	215 ¹
Average Kitchen Aerator has a flow rate of:	2.5 gallons per minute ²
Retrofit Kitchen Aerator has flow rate of:	1.5 gallons per minute ³
Product life:	5 years ³
Length of use without dishwasher:	15 minutes per day ⁴
Length of use without dishwasher (each family member):	1 minute per day ⁴
Length of use with dishwasher:	3 minutes per day ⁴
Length of use with dishwasher (each family member):	0.5 minutes per day ⁴

Projected Water Savings:

Kitchen Aerator retrofit projects an annual reduction of:	571,650 gallons ⁵
Kitchen Aerator retrofit projects a lifetime reduction of:	2,858,248 gallons ⁶

Projected Electricity Savings:

Kitchen Aerator retrofit projects an annual reduction of:	36,353 kWh ^{4,7}
Kitchen Aerator retrofit projects a lifetime reduction of:	181,764 kWh ^{4,8}

Projected Natural Gas Savings:

Kitchen Aerator retrofit projects an annual reduction of:	917 therms ^{4,9}
Kitchen Aerator retrofit projects a lifetime reduction of:	4,583 therms ^{4,10}

¹ Data Reported by Program Participants.

² Vickers, Amy (2002). *Water Use and Conservation*. Amherst, MA: WaterFlow Press.

³ Provided by manufacturer.

⁴ Quantec, LLC. (2008). *Impact of Flipping the Switch: Evaluating the Effectiveness of Low Income Residential Energy Education Programs*. Portland: Drakos, Jamie et al.

⁵ $(\text{Length of use without dishwasher} + \{\text{Average household size} \times \text{Length of use without dishwasher (each family member)}\}) \times \% \text{ of homes without dishwasher} + (\text{Length of use with dishwasher} + \{\text{Average household size} \times \text{Length of use with dishwasher (each family member)}\}) \times \% \text{ of homes with dishwasher} \times \{\text{Average Kitchen Aerator flow rate} - \text{Retrofit Kitchen Aerator flow rate}\} \times \text{Number of participants} \times \text{Installation rate} \times 365 \text{ days}$

⁶ $(\text{Length of use without dishwasher} + \{\text{Average household size} \times \text{Length of use without dishwasher (each family member)}\}) \times \% \text{ of homes without dishwasher} + (\text{Length of use with dishwasher} + \{\text{Average household size} \times \text{Length of use with dishwasher (each family member)}\}) \times \% \text{ of homes with dishwasher} \times \{\text{Average Kitchen Aerator flow rate} - \text{Retrofit Kitchen Aerator flow rate}\} \times \text{Number of participants} \times \text{Installation rate} \times 365 \text{ days} \times \text{Product Life}$

⁷ $\text{Projected Annual Water Savings} \times \{(\text{8.33lbs. / gallon} \times 35^\circ\text{F}\Delta\text{T}) + (\text{3413} \times \text{water heater efficiency (0.90)})\} \times \% \text{ of Water Heated by Electricity}$

⁸ $\text{Projected Lifetime Water Savings} \times \{(\text{8.33lbs. / gallon} \times 35^\circ\text{F}\Delta\text{T}) + (\text{3413} \times \text{water heater efficiency (0.90)})\} \times \% \text{ of Water Heated by Electricity}$

⁹ $\text{Projected Annual Water Savings} \times \{(\text{8.33lbs. / gallon} \times 35^\circ\text{F}\Delta\text{T}) + (\text{100,000} \times \text{water heater efficiency (0.60)})\} \times \% \text{ of Water Heated by Natural Gas}$

¹⁰ $\text{Projected Lifetime Water Savings} \times \{(\text{8.33lbs. / gallon} \times 35^\circ\text{F}\Delta\text{T}) + (\text{100,000} \times \text{water heater efficiency (0.60)})\} \times \% \text{ of Water Heated by Natural Gas}$

Projected Savings from Bathroom Aerator Retrofit

Bathroom Aerator retrofit inputs and assumptions:

Average household size:	4.96	people ¹
% of water heated by gas:	33%	¹
% of water heated by electricity:	67%	¹
Installation / participation rate of:	59%	¹
Number of Participants:	215	¹
Average Bathroom Aerator has a flow rate of:	2.50	gallons per minute ²
Retrofit Bathroom Aerator has flow rate of:	1.00	gallons per minute ³
Product life:	5.00	years ³
Length of use (per family member):	1.50	minutes per day ⁴

Projected Water Savings:

Bathroom Aerator retrofit projects an annual reduction of:	516,711	gallons ⁵
Bathroom Aerator retrofit projects a lifetime reduction of:	2,583,554	gallons ⁶

Projected Electricity Savings:

Bathroom Aerator retrofit projects an annual reduction of:	32,859	kWh ^{4,7}
Bathroom Aerator retrofit projects a lifetime reduction of:	164,296	kWh ^{4,8}

Projected Natural Gas Savings:

Bathroom Aerator retrofit projects an annual reduction of:	829	therms ^{4,9}
Bathroom Aerator retrofit projects a lifetime reduction of:	4,143	therms ^{4,10}

¹ Data Reported by Program Participants.

² Vickers, Amy (2002). *Water Use and Conservation*. Amherst, MA: WaterFlow Press.

³ Provided by manufacturer.

⁴ Quantec, LLC. (2008). *Impact of Flipping the Switch: Evaluating the Effectiveness of Low Income Residential Energy Education Programs*. Portland: Drabos, Jamie et al.

⁵ $[\text{Length of use (each family member)} \times \text{Average household size}] \times [\text{Average Bathroom Aerator flow rate} - \text{Retrofit Bathroom Aerator flow rate}] \times \text{Number of participants} \times \text{Installation rate} \times 365 \text{ days}$

⁶ $[\text{Length of use (each family member)} \times \text{Average household size}] \times [\text{Average Bathroom Aerator flow rate} - \text{Retrofit Bathroom Aerator flow rate}] \times \text{Number of participants} \times \text{Installation rate} \times 365 \text{ days} \times \text{Product Life}$

⁷ $\text{Projected Annual Water Savings} \times \{[(8.33\text{lbs. / gallon} \times 35^\circ\text{F}\Delta\text{T}) \div (3413 \times \text{water heater efficiency (0.90)})] \times \% \text{ of Water Heated by Electricity}$

⁸ $\text{Projected Lifetime Water Savings} \times \{[(8.33\text{lbs. / gallon} \times 35^\circ\text{F}\Delta\text{T}) \div (3413 \times \text{water heater efficiency (0.90)})] \times \% \text{ of Water Heated by Electricity}$

⁹ $\text{Projected Annual Water Savings} \times \{[(8.33\text{lbs. / gallon} \times 35^\circ\text{F}\Delta\text{T}) \div (100,000 \times \text{water heater efficiency (0.60)})] \times \% \text{ of Water Heated by Natural Gas}$

¹⁰ $\text{Projected Lifetime Water Savings} \times \{[(8.33\text{lbs. / gallon} \times 35^\circ\text{F}\Delta\text{T}) \div (100,000 \times \text{water heater efficiency (0.60)})] \times \% \text{ of Water Heated by Natural Gas}$

Home Check-Up

1 What type of home do you live in?	
Single family home (mobile)	29%
Single family home (manufactured)	7%
Single family home (built)	49%
Multi-family Home (2-4 units)	12%
Multi-family home (5-20 units)	3%
Multi-family home (21+ units)	0%
2 Was your home built before 1992?	
Yes	47%
No	53%
3 Is your home owned or rented?	
Owned	70%
Rented	30%
4 How many kids live in your home (age 0-17)?	
1	17%
2	27%
3	32%
4	13%
5+	12%
5 How many adults live in your home (age 18+)?	
1	7%
2	76%
3	11%
4	3%
5+	3%
6 Does your home have programmable outdoor sprinkler system?	
Yes	12%
No	88%
7 Does your home have a dishwasher?	
Yes	54%
No	46%
8 How many half-bathrooms are in your home?	
0	84%
1	14%
2	1%
3	0%
4+	1%

Due to rounding of numbers, percentages may not add up to 100%

Home Check-Up

(continued)

9 How many full bathrooms are in your home?	
1	25%
2	68%
3	5%
4	1%
5+	1%
10 How many toilets are in your home?	
1	23%
2	61%
3	13%
4	1%
5+	2%
11 How is your water heated?	
Natural Gas	33%
Electricity	67%

Due to rounding of numbers, percentages may not add up to 100%

Home Activities

1 What is the flow rate of your old showerhead?	
0 - 1.0 gpm	10%
1.1 - 1.5 gpm	37%
1.6 - 2.0 gpm	17%
2.1 - 2.5 gpm	23%
2.6 - 3.0 gpm	7%
3.1+ gpm	6%
2 Did you install the new High-Efficiency Showerhead?	
Yes	67%
No	33%
3 If you answered "yes" to question 2, what is the flow rate of your new showerhead?	
0 - 1.0 gpm	18%
1.1 - 1.5 gpm	37%
1.6 - 2.0 gpm	44%
4 Did your family install the Kitchen Aerator?	
Yes	60%
No	40%
5 Did your family install the Bathroom Aerator?	
Yes	59%
No	41%
6 Did your family lower your water heater settings?	
Yes	27%
No	73%
7 Was your toilet leaking?	
Yes	23%
No	77%
8 If you answered "yes" to question 7, were the leaks repaired?	
Yes	38%
No	62%
9 How many faucets are leaking?	
0	74%
1	21%
2	4%
3	1%
4	0%
5	0%

Due to rounding of numbers, percentages may not add up to 100%

Home Activities

(continued)

10 If you answered "yes" to question 9, were the leaks repaired?	
Yes, all of them	15%
Yes, some of them	29%
No	55%
11 Did your family adjust the outdoor watering schedule?	
Yes	40%
No	60%
12 Did you work with your family on this Program?	
Yes	82%
No	18%
13 Did your family change the way they use water?	
Yes	70%
No	30%
14 How would you rate the WaterWise™ program?	
Great	50%
Pretty good	33%
Okay	12%
Not so good	4%

Due to rounding of numbers, percentages may not add up to 100%

Participant List

SCHOOL NAME	TEACHER NAME	T	S
Aloe Elementary School	Kelly Lorange	1	25
Aloe Elementary School	Lovie Sayles-Clark	1	25
Aloe Elementary School	Terri Ratliff	1	25
Bloomington Elementary School	Kathy Westerman	1	50
Guadalupe Elementary School	Sherry Kainer	1	18
Mission Valley Elementary School	Brenda Branton	1	32
Nursery Elementary School	Laura Schulz	1	17
William Wood Elementary School	Abigail Horn	1	15
TOTALS		8	207
TOTAL PARTICIPANTS		215	

Note: "T" represents number of teachers and "S" represents number of students

Teacher Program Evaluation Data

1 The materials were clearly written and well organized.	
Strongly Agree	83%
Agree	17%
Disagree	0%
Strongly Disagree	0%
2 The products in the Kit were easy for students to use.	
Strongly Agree	67%
Agree	33%
Disagree	0%
Strongly Disagree	0%
3 Students indicated that their parents supported the program.	
Yes	100%
No	0%
4 Would you conduct this Program again?	
Yes	100%
No	0%
5 Would you recommend this program to other colleagues?	
Yes	100%
No	0%
6 If my school is eligible for participation next year, I would like to enroll.	
Yes	100%
No	0%

Due to rounding of numbers, percentages may not add up to 100%

Parent/Guardian Program Evaluation Data

1 Was the Program easy for you and your child to use?	
Yes	100%
No	0%
2 Will you continue to use the Kit items after the completion of the Program?	
Yes	100%
No	0%
3 Would you like to see this Program continued in local schools?	
Yes	100%
No	0%

Due to rounding of numbers, percentages may not add up to 100%

Teacher Letters

(continued from page 22)

4/30/13

To whom this may concern,

Thank you for your generosity in supplying our students with the tools and information needed to better understand Earth's water supply and how it's being used on a daily basis and what we need to do to conserve it. The program was very informative for our students as well as their parents. Again, Thank you.

Lorie Sayles-Clark
5th Grade Teacher
Aloc

Teacher Letters

(continued)

Thank you so much for providing my class with such an interesting and hands-on week of lesson plans. The water wise kit was a great motivator to entice them to be eager to participate in conserving water. Thank you for allowing us to participate.

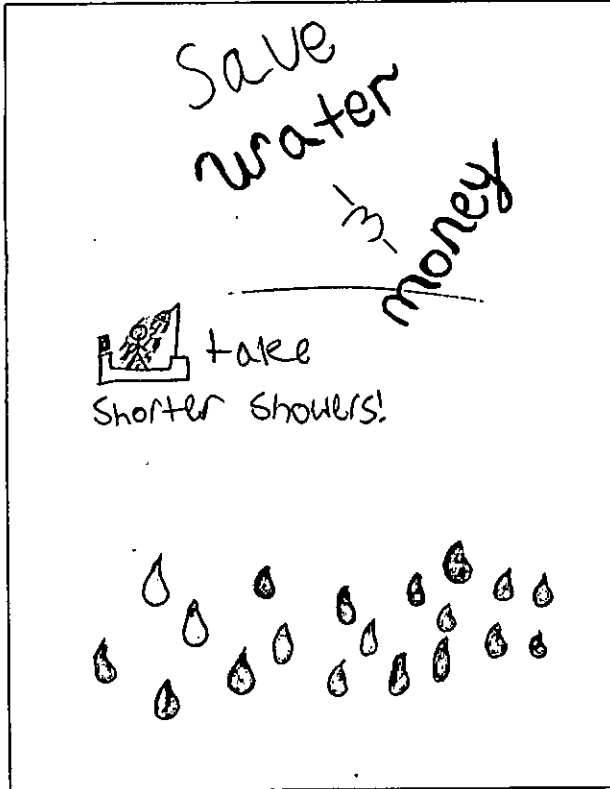
Sincerely,
Terri Ratliff

Aloe Elementary School

PS The surveys that were not returned were three special need students. Thanks.

Student Letters

(continued from page 24)



Thank you for the Water Wise Kit
 and the booklets. I will change the
 way I use water and I will
 take shorter showers. I will
 use every thing you send
 me in the kit.

Sincerely
 Marissa B



Thank you for the Water Wise Kit. I think that it will save my family a lot of money, water, and energy when I read the booklet I learned that the water cycle is important. I also learned about which water we can drink and which ones we can't. I didn't know that an average human uses 100 gallons of water a day. And most important, I learned different ways that people can save water, energy, money, and water.

yours truly,
 Kaleigh
 Grice
 Majoria

Student Letters

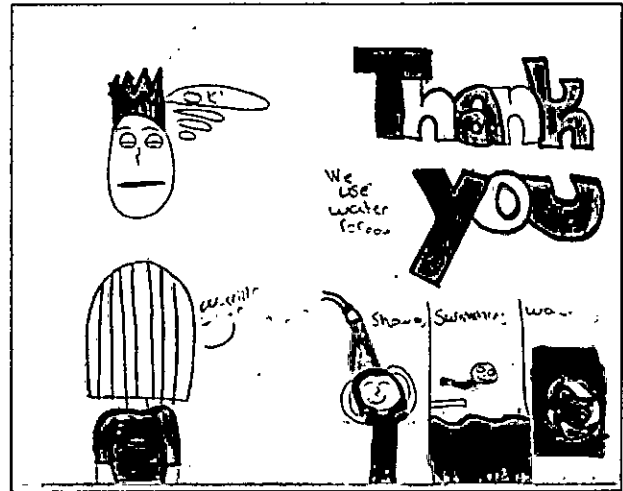
(continued)

April 30

Dear Victoria County Groundwater
Conservation District

Thank you for all the free
supplies to save water. I
liked them so much. I
really used some things
in the kit. You gave me
my dad liked the pop.
This first toilet looks so he
can use it when
we do have problems
with the toilet. Thank
you for the kit.


From your truly,
Auburn
Alford



I learned ground
water is clean,
and that it takes
100 gallons to make
1 potatoe. I will make
sure my family will
install the stuff in the
kit. Thank YOU!

sincerely
Emily

Thank You
Victoria County
Groundwater
Conservation
District



Dear Victoria County Groundwater
Conservation District

Thank you for the gadgets.
They are cool and I look forward
to saving water. I've already
use 1 gadget. Now my mom's
using the water fossit gadget.
I hope the company does
even better things to save water.

Thank you
Brityn

Student Letters

(continued)

Thank you for the Water Wise Kit. I have learned that most of the body is made up of water. Also that food tastes different when your tongue is dry. Thank you for sending me kit because now our water bill has gone down. We have saved a lot of water and money and my mom loves the way the water runs smoothly.

Sincerely,
Amber

Thank you for the water utensils for our bathtub, shower and faucet. Now the shower is running better than ever. I feel like I a good citizen by saving water. Now when I use water we use less. Like for the past weeks. Every day we only wash one batch of clothes so that means a full laundry basket. Also my family uses the same bath water to save water. The first servay of my bathwater showed I used 3.5 gallons of water. Now I use 1.5 gallons of water a day. The utensils help with the shower alot when I take showers I use the most water. But the the shower head you sent me blocks the water when you turn it off.

Sincerely,
Tayton
Ellison

Thank you for going so far to help us save money on our water bill. I like the shower head but my dad took it. The mom took the kitchen faucet. She said it makes her hands smooth. The plumber will install I was better than someone I was near the US to run out of water. The only one that didn't was the bathroom faucet.

Sincerely,
Austin

Dear Victoria county Groundwater conservation District. Thankyou for all the water equipment. The thermometer was a really cool piece of equipment. I also wanted to thankyou for the shower head that was very cool. All of this equipment is very cool. I love to save water. Saving water is very important so thankyou very much for the equipment it was so nice of you thankyou for everything.

Sincerely,
Johnny
Alvarez
JR.#8

Thank You for the free water wise kits. They saved me and my family alot of money. Now we dont use so much water. We have installed the kitchen faucet aerator. Also we have installed the shower head. It saved me, and my family alot of money. This was a great cause in water and electricity now again. THANK YOU.

Sincerely,
Simon

Student Letters

(continued)

April 29, 2013

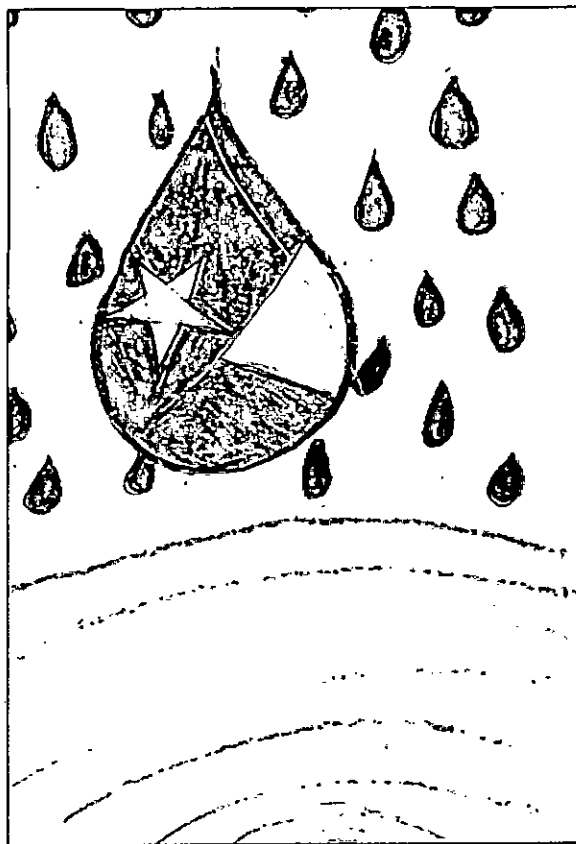
Victoria County Groundwater
Conservation District

Dear Victoria County Groundwater Conservation
District,

Thank you so much for taking
your time to pack the things in
the box and shipping them
to all the schools in the District.
I almost used everything that
you packed. Your two books have
been amazing. I didn't even know
half the stuff about water in the
book. Thanks for taking your time.

Sincerely,
Aurora Groll

Hi my name is Audrey Garcia and I
want to thank you for all you sent us.
I learned a lot. Like 60% of my body
is made up of water that is over half.
What I really thought was amazing was
that my own blood is 83% water. Never
have I known that my life revolves
around water well the sun too, but mainly
water. I really appreciate what you did
to help me understand how much it
means to take care, save, and make
good use of water. Once again thank
you and bye-bye.



Thank you for giving us the
wise water kit and the booklet.
I will promise to try to
save as much water as I can
and always remember how
important saving water
is and how much clean
water we only have on
the earth. I will also try to
remind other people to try
to save as much water
as possible.

Sincerely,
Lauren V

Student Letters

(continued)

Thank You for the water kit. We got one when I first tried the water kit it was cool because when I wash my hands less water comes out. When I take a shower it feels weird because I'm used to use a lot of water, but now it spres less water. When I flush the toilet it does less water. Last time I flush the toilet it was a lot. I love what yall did with the water thing. I really like what yall did. Also the toilet things to know if you know if you have a leak and it turns blue that's cool. So I will start saving water and start do what I can do with saving water. Victoria Conty Groundwater Conservation District. I agree with what yall did.

Your water student,
Garon Nichols

Thanks for the free Water wise Kits
It teaches alot about the water cycle. You are so generous. Its a good program for people to save money.

THANK YOU!

Jessie Adams

Thank you for the water wise kits. We are working on saving water, energy, and money. Are student workbook and guide are very helpful, right now we are on lesson three.

My favorite lesson so far is lesson two because it talks about how much water is in the human body. It is very interesting to learn about how to preserve water.

I hope I will be able to learn a lot.

Thanks,
Jade Lily Thomas

Dear
Victoria Conty Groundwater Conservation District I would like to thank you for all the free gages to conserve water. It's been a tremendous help and it improved our water uses and thank you for giving me all the information about conserving water and it improved our bills. Thank you God Bless!

Sincerely,
The Suniga Family

Student Letters

(continued)

I thank you victoria
County Groundwater
Conservation District
Water Wise program

Thank you for donation
60-70 \$\$\$ worth
of stuff!
It helped up save
a lot of money! & water!

Dear Victoria County Groundwater
Conservation District thank you
for the stuff that you have given use
it has really worked for use and we
have saved money for our while and
they have saved water for my family
and I still keep my promise and
I will never break it so long as I live
and it works better than ever we are
saving the water in case we need
it and thank to the rain we didn't
have to use our water hose for a
while now our water is great thanks to you
Sincerely Krystal S. Garcia

Victoria County Groundwater Conservation 4/30/13
District, I really appreciate you for giving
us the box that has all that things in it for
our bathroom and other things. And also thank you
introducing us to the water program it
really helps.

Sincerely,
Joseph

Dear Conservation District

Thank you for giving me the
box of things to help conserve
water. I know it will help save
water.

Sincerely,
Hailey Solis

Thank you for the water
kit, also I think
it will help me save water
I like using them
I like the water
thermometer, fossit and
the shower fossit.

from Justin
Nunez

Zack

Dear Victoria Groundwater
conservation district, thank you
for the tips on how to
conserve water and the free gifts
and gadgets to conserve water
at home and at school
and also thank you
for sending me
the water conservation
kit it really
helps me know
how I can make a
difference.

Student Letters

(continued)

Thank you
 Victoria County
 Groundwater
 Conservation
 District

Thank you for letting us have
 the pleasure of being able to
 do this.

From Donaven

Thank you very much for
 sending us all the packages and
 booklets. My parents and I appreciate how you
 gave the thought of helping us save thousands
 of dollars.

Thank you so much for
 the Water wise kit. I need
 the money you're saving me.
 Your doing a great thing
 for our community and
 World. Once again
 thank you.

Sincerley, Adrian

Taylor

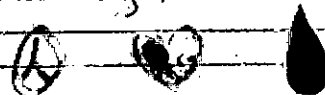
Dear,
 Victoria County
 Groundwater Conservation District.

Thank you for the wonderful
 supplies it was very helpful
 for my family. I liked the
 thermometer the most I put it
 so many places it was
 very hot outside my sister
 liked the books she loved
 the fun facts so most
 of my family had a fun
 time with the things you gave
 us. Once again thank you for
 all the neat things.

Dear, Victoria County Groundwater
 Conservation District

Thank you for giving me free
 supplies to save water for my
 family. I was very excited to
 install them all. I remember
 when I was in fourth grade and
 my sister had received a kit like
 that. I was eager to get one
 too. The supplies you send has
 really helped my family out. I
 love the bracelets we got, they're
 really cool. Thanks again.




Sincerely, Marlina Garcia



Recycle Love Water

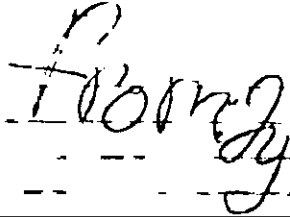
Student Letters

(continued)

Thank 
 You
 for the
 Water Wise
 Program

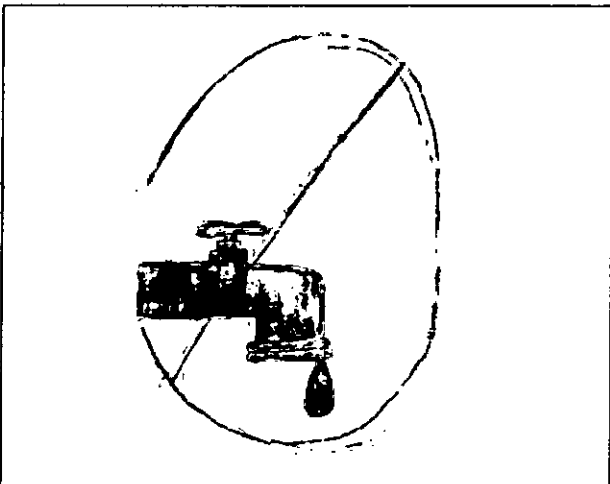
I liked your program it was so fun
 I liked it. Thank you for the kit.
 Thank you for showing me how to
 filter water and telling me a lot
 about water. I also liked the Student
 Guide was very good. I
 and my family thank you for the
 help because we have a lot of
 water in our house. I will
 use the kit for a long time.
 Thank you.

From Riley
 to the
 Victoria

The water faucet is like
 a little house. You can
 turn it on and off.


Thank you very much
 for the water wise kit because
 now I know that less than
 1% of earth's water is drinkable,
 and I will also use my kit.

THANK
 YOU
 LOVE,
 ALICE





RESOURCEACTION
PROGRAMS

976 United Circle Sparks, NV 89431
www.resourceaction.com • (888)438-9473
©2013 Resource Action Programs

April 30, 2013

Dear Victoria County Groundwater
Conservation District,

I would like to sincerely thank you for the opportunity to learn and understand why water conservation is imperative for survival. My family and I deeply appreciate the water faucets, shower head, etc. that you kindly gave me (us). The lessons you have opportuned me to learn about (water conservation) have truly given me a better understanding of this. Not only did it give me a better understanding, but my vocabulary, now as a result of this, has increased its capacity. Words I now know: Hydrolic cycle, desalination, nonpotable, etc. I hope you continue to provide this very necessary service to the children of Victoria, Texas.

Respectfully,
Rahni R. Hingorance
(Rahni R. Hingorance)

Dear Victoria County Groundwater
Conservation District,

Thanks for all the neat
gadgets that you gave us
for free. I've all ready hooked
them up. So far the bill has
gone down alot, but anyway
thanks for the box.

Senserily,
Chris

April 30

Dear, Victoria County Ground Water
Conservation District

Thank you for the gogets.
They are cool and I look forward
to saving water. I've already
use 1 goget. Now my mom is
using the water fossit goget.
I hope the company does
even better things to save water.

Thank you,
Brityn

Zack

Dear Victoria Groundwater
conservation district, thank you
for the tips on how to
conserve water and the free gizmos
and gadgets to conserve water
at home and at school.
And also thank you
for sending me
the home conservation
kit it really
helps me know
that I can make a
difference.

Thank you, Zack
Hinnison

Dear Conservation District

Thank you for giving me the
box of things to help conserve
water I know it will help save
water

Sincerely
Hailey Solis

Victoria County Ground Water
Conservation District

Thank you so much for providing
our students with the worksheets,
information, and activities about
conserving water. Water conservation
is a key we cover in fifth grade,
so it was fun to present the
information to a "fun" way! Our
students were excited to take home
the kits and get their family
involved! Thank you so much!

Thank you
Mrs Spencer
5th grade

Dear

Victoria County Groundwater
Conservation District I
would like to thank
you for all the free gadgets
to conserve water. It's been
a tremendous help and it's
improved our water uses and
thank you for giving me
all the information about
conserving water, and it
improved our bills Thank you
God Bless,

Sincerely,
The
Suniga
family

April 30

Deaf / Victoria county
conservation District Groundwater

Thank you, for all the free
supplies to save water. I
liked them so much. I
actually used some things
in the kit you gave me.
my dad liked the tap
that fixed toilet leaks so he
can use it when
we do have problems
with the toilet. Thank
you for the kit.

from your truly,
Audrianna
Clifford

April 30, 2013

Victoria County Groundwater Conservation District

Dear Victoria County Groundwater Conservation
District,

Thank you so much for taking
your time to pack the things in
the box and shipping them
to all the schools in the District.
I almost used everything that
you packed. Your two books have
been amazing. I didn't even know
half the stuff about water in the
book. Thanks for taking your time.

Sincerely,

Autumn Groll

April 30th 2013

Dear Victoria County Groundwater
Conservation District,

Thank you for the free supplies that helped me save water. It was very generous. The shower head and faucet work well and save water. Also thank you for the how to put it in guide and the packet that explains conserving water. It is important to conserve water so it doesn't run out and the book gave a good explanation why.

Thank
you!

Sincerely,
Ellie

Kyra

4/30/13

Dear , Victoria County Ground-
water conservation District

Thank you very much
for the items you have
given us for free! Many of
these items will alert me
when something wrong has happend
also they will help me
conserve water (and save
money). Thank you again
from Alove Elementary and
myself

Sincerely,
Kyra Welch

Victoria County Groundwater Conservation 4/30/13
District, I really appreciate you for giving
us the box that has all that things in it for
our bathroom and other things. And also thank you for
introducing us to ~~the~~ the water program it
really helps.

Sincerely,
Joseph
Rovirez

I + Works



Taylor

Dear,,
Victoria Country Ground-
Groundwater Conservation District.

Thank you for the wonderful
Supplies it was very helpful
for my family. I liked the
thermometer the most I put it
so many places it was
very hot outside my sister
liked the books she loved
the fun facts so most
of my family had a fun
time with the things you gave
us. Once again thank you for
all the neat things.

Dear, Victoria county ground water conservation district
thank you for helping us learn
to conserve water also for giving us
all of the free fosit hookups to
conserve water. The things you sent
work better than the old ones. I
bet we will save lots of money
do to using less water. Also
now we will have more nice clean
water for the future citizens
of Victoria. I hope you keep up
your program so we can continue
to save water.

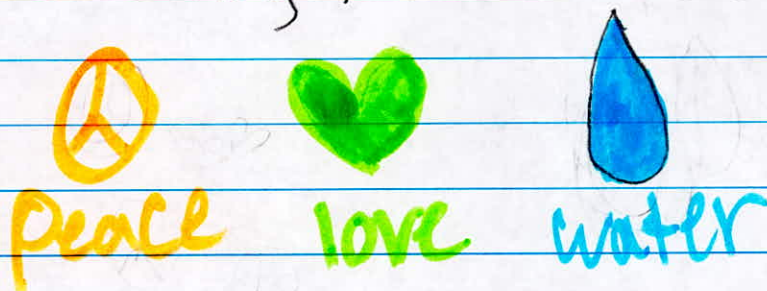
sincerely,
Dawson

Mari

Dear, Victoria County Groundwater
Conservation District

Thank you for giving me free
Supplies to save water for my
family. I was very excited to
install them all. I remember
when I was in fourth grade and
my sister had recieved a kit like
that. I was eager to get one
too. The supplies you sended has
really helped my family out. I
love the bracelets we got, there
really cool. Thanks again.

Sincerely, Marlina Garcia



BROOKE

Dear Victoria County Groundwater
Conservation District thank you for
the facts about how to save water
for the future and all the water saving
supplies that you gave me I havent
instaled it yet but i will get to that
point because I will take it to my
mom's house and use all of the items
espeshaly the thermomiter it will
be usefull for the tempature of
the water my mom and I will like
it.

Krystal J. Garcia

Dear, Victoria County Groundwater Conservation District thank you for the stuff that you have given use it has really worked for use and we have saved money for cuwit a while and they have saved water for my family and I still kepted my promise and I will never brak it so long as I live, and I works better than ever we are saving the water in case we need it and thank to the rain we didn't have to use are water hose for a while now are water is great thanks to you.

Sinserly Krystal J. Garcia

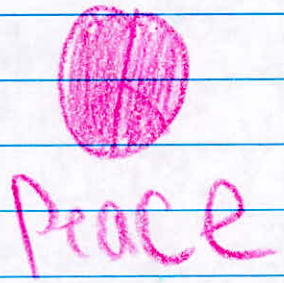
Thinks for the box but I don't have
my ~~Able~~ teacher has it because I
can't do it but I can have the helper
tape do you make if send a letter to

April 30, 2013

Victoria County Groundwater Conservation District.

Thank you for the Ground-
 Water Conservation District.
 I rilly exided that you
 have gave those thang
 to us, and i rilly appreshat
 it and my stuff and
 and thank you for the
 CD. and thank you fore
 ever you for every thang
 I rilly appreshat it
 it was rilly nice of
 you to give everyone. Thank
 you.

from: Austin McKay Harelka
 5th grade



Dear,
Victoria county Groundwater
conservation District. Thankyou
for all the water equipment, The
thermometer was a feally cool peice
of equipment, I also wanted to
thankyou for the shower head that was
very cool. All of this equipment is
very cool I love to save water, Saving
water is very important so thankyou
very much for the equipment it
was so nice of you thankyou for
everything.

Sincerley, Johnny
Alvarez
JR. #2

April 30th, 2013

Dear,

Victoria County Groundwater Conservation District, Thank you for the stuff you had given us. Also Thank you for the information on all that stuff about saving water. I had installed the rain gauge and it working great, I haven't installed that other stuff yet, but I will soon. So thank you for all that information and the kit.

Sincerely,
Janice Williams
5th grade

Alce Elementary

4/30/2013

Dear, Victoria County
Groundwater Conversation
District.

I just want to
thank you for the
gadgets and supplies you
gave us. For FREE. Also
I want to thank you
for the information. There
some things I didn't
even know. Like the
flow of the Shower
head could make a
difference of g.p.m. you
use.

Sincerely,
Joel

1-4 7-22

Patrick

April 30

Dear Victoria Groundwater

Conservation district, thank you
for the gifts I really appreciate
the tools you have given us My
parents and I love the tools. The

tools saved us on money because we
would have had to spend a lot of money
for one that last I have one shower-
thing already but the one you sent
works better than the one I already
have and also thank you for your
time I thank you.

Sincerely

Patrick

Devion

Dear conservation District
Thank you for giving me the water
tools my parents havint use it yet
But they said in a couple day
they will But im going to ask
my grandma if she will help
she's gonna say yes I have
to wait till I get there
But I have to retake a
test before I can go But
if I dont pass I'll stay in
the same grade. But thats
not gonna happen

Wonderful!
Amazing!
To help the
Entire
Raising World!

Dear Water Wise,
Thank you for the
Water Wise kits &
guide, workbook. It
really help my family
& house, soon we'll
be able to save
water, money, &
energy!
your friend,
Rebecca Talley



I Selena reyna thank you
for the kit and the thing I liked
the most is the shower head
because of how it changed speeds
So thank you!

Wa
a
t
e
r
w
i
s
e
r

Thank you for the water kit it helped
my mom save money and the shower
tool is so awesome. I had a toilet
leak and we fixed it and I love the
shower tool it's better than my
last one and



keep
pipes
safe



thank
you
for
keeping
my
family
healthy.

Sincerely,
Rudra

III
7/2

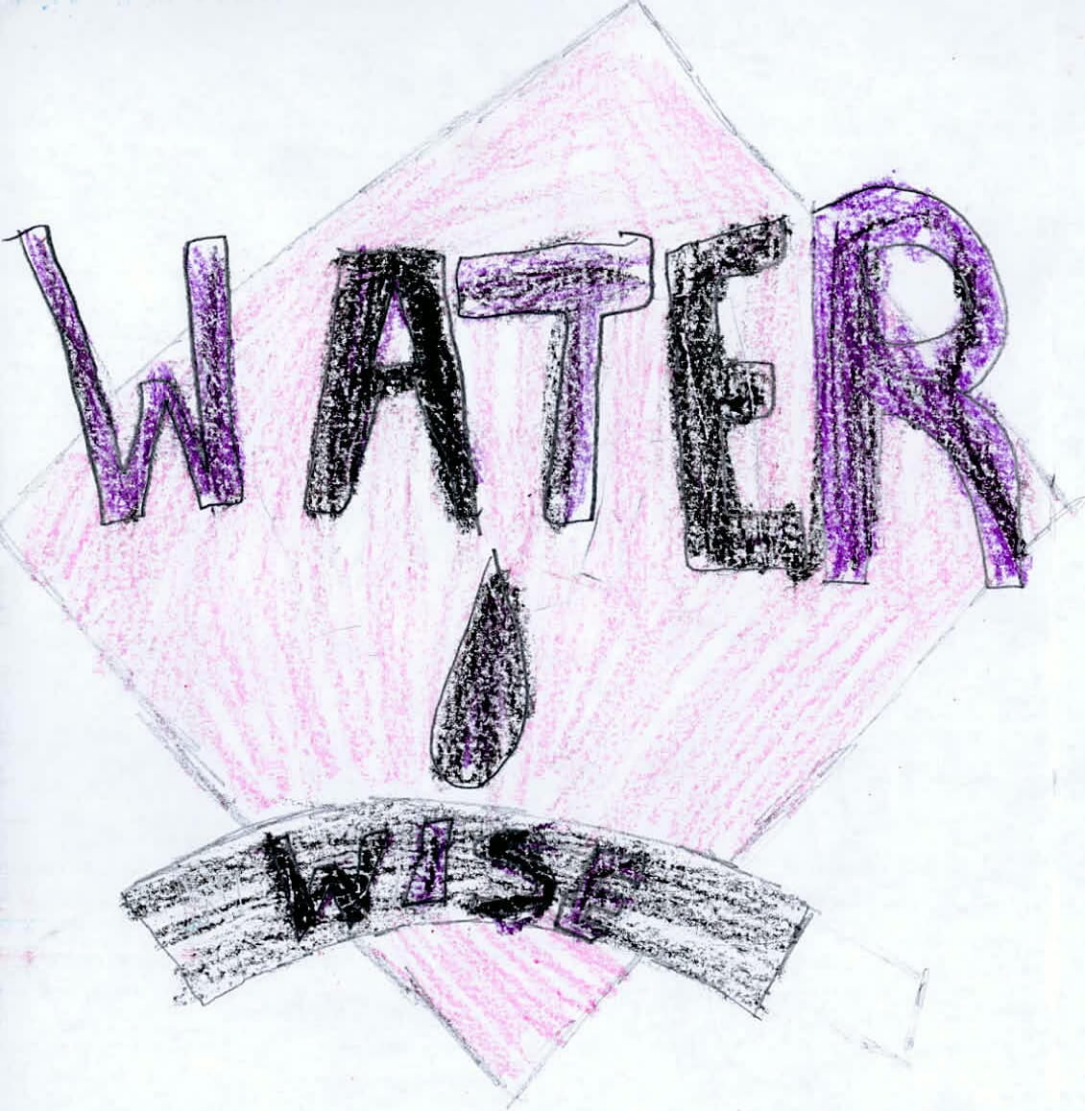
Dear Water-Wise,
Thank you very much for
the water kit. It
really helped my
family out a lot.

The student Guide
and workbook helped
me learn a lot more
about water. TIA

THANK YOU!

Sincerely,

Johnny Brown



Dear water wise,
Thank you for the water kit,
it was so nice of yall to do that
for us, it helped all of us a lot.
It was awesome. My favorite
part was installing the showerhead,
every thing works great thanks for
the workbooks too."

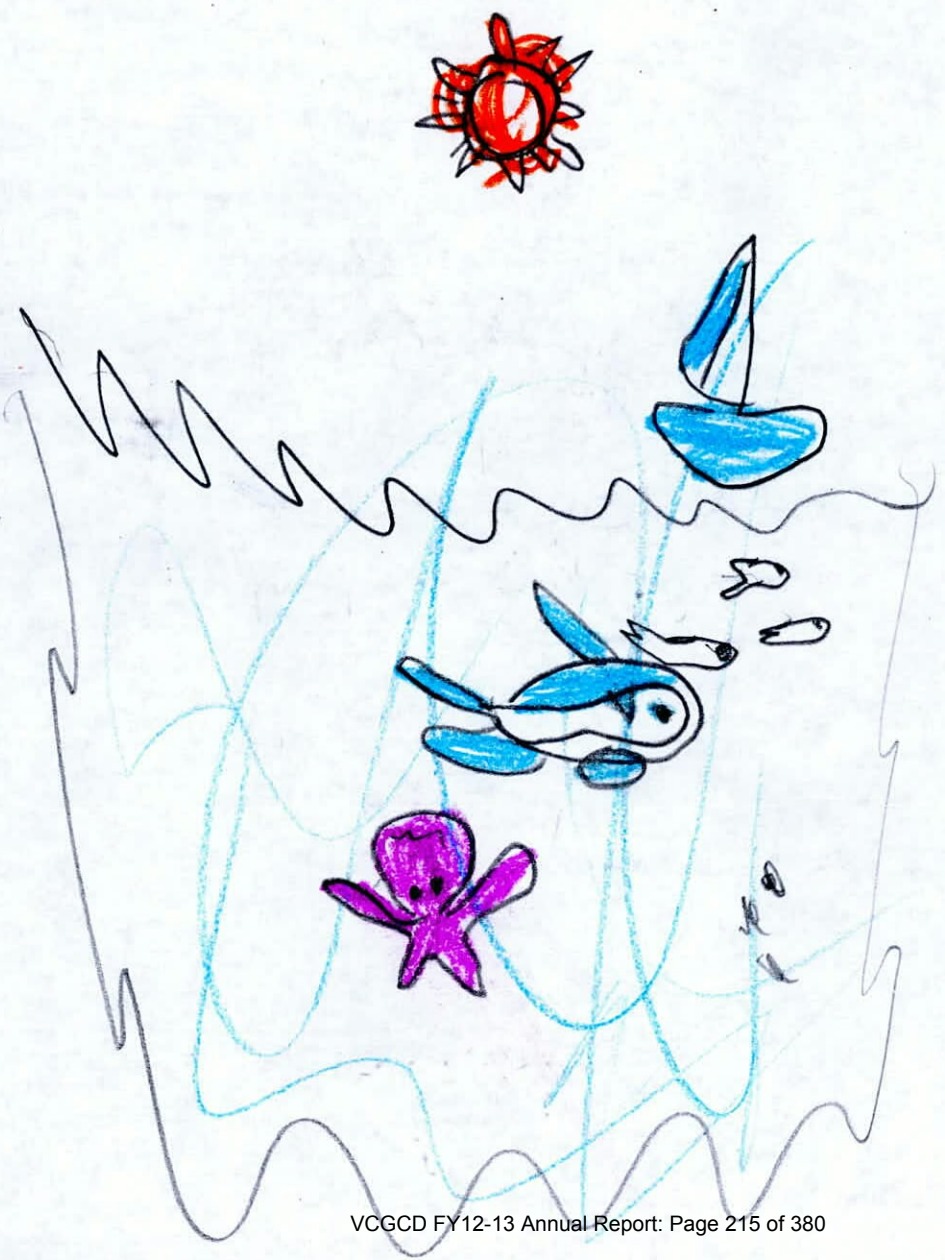


Dear: Water wise
I really enjoyed
putting the kit into
our new house. When
I showed the kit
to my mom she got
really happy, because
my brothers, Dad,
my mom, and I were
able to put everything
together, so thank you
SO much! Your friend
Amara

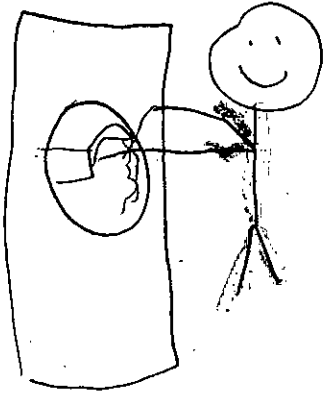
Dear Water Wise People,

Thank you for all of the stuff
you gave me in the Water Wise Kit.
It really helped out alot. It helped
me use less water, like when
i'm brushing my teeth, taking showers,
washing my hands in the sink,
spraying the water hose. All kinds
of stuff. The two books you gave
me were also cool and fun:
The Student guide, and the
Student workbook. Anyways thank
you,

Sincerely,
Ryan Elizondo



Thank you
for giving
us the staff



LESD
LEGOON

The mas

Thank you for the water wise kit
because my family really liked it so

Thank you again my mom
really liked the shower head because she
can save money on the water bill.



Dear Water Wise,

Thank you so much for giving me the kit.
I liked the thermometer the most. But thanks
again. You are the best.

Sincerely,
Destinee Ross

Water

Wise

Power! ★

Dear Water Wise,

I would really like
to thank you for your
generosity! I enjoyed
installing all of the water
wise equipment! I enjoyed
reading the lessons! And
now that I learned
all of those vocabulary
words I now understand

EVERYTHING even
than what I used to!

I hope that sometime
soon I get to do this
again, because of how
much I enjoyed it!

When I was
installing this I
was **SO** happy that
my Parents helped me!
Now, since I used those
toilet tablets, we did
have a leak and it
got fixed!

Thank You
SO Much!

Sincerely,
Natalie

Guazardo

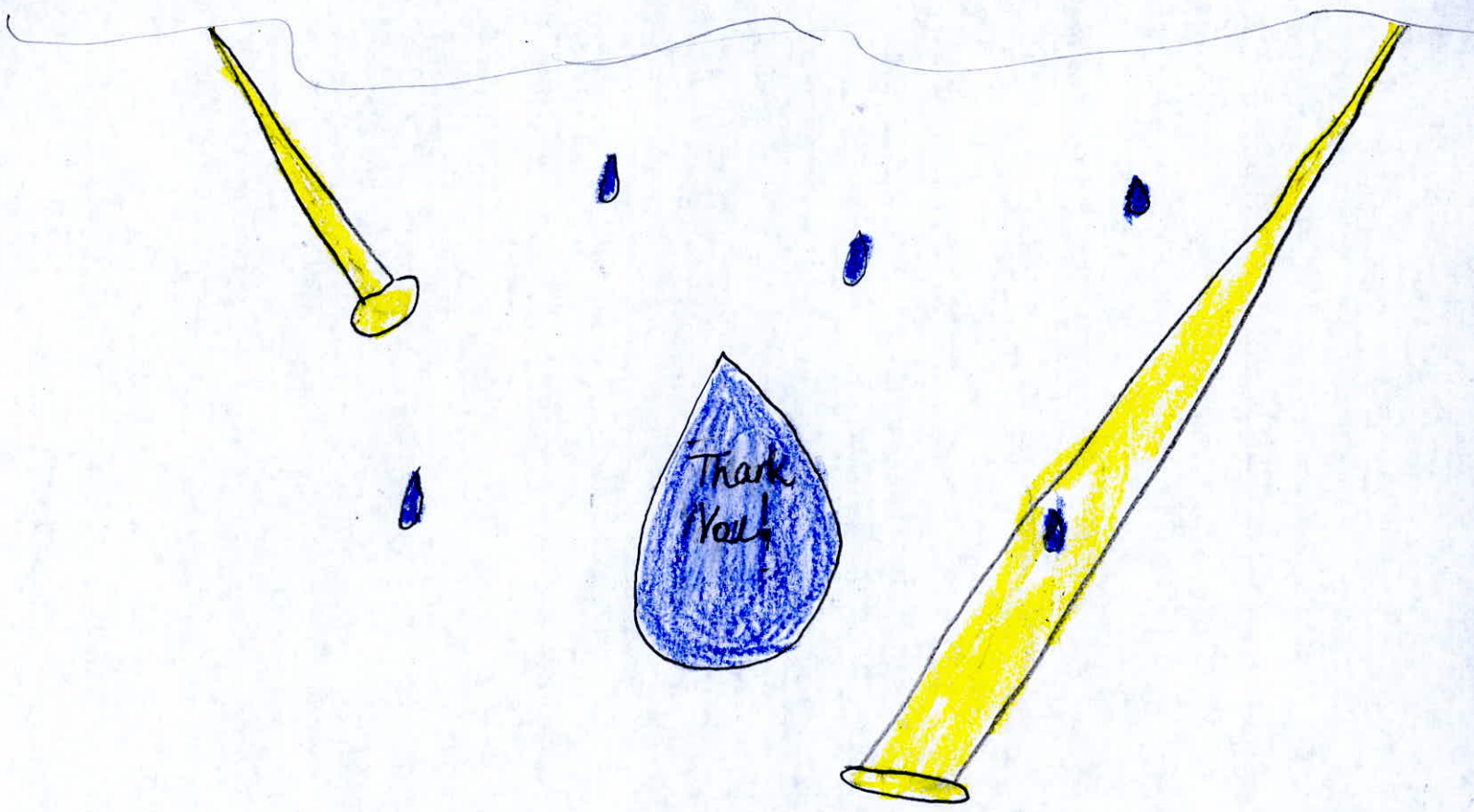
Waterwise your water
Kit is amazing it was fun
installing all these water
related things in my house
Thank you,

Sincerely

DK Franklin

Dear Water Wise,
thank you for this program. My favorite
part was the lessons, they made me
think about Texas!

Sincerely,
Kerli Pratkan



Thank you waterwise for the kit that you sent us. The thing that I loved most was the electric thermometer! I thought that it was so cool, and I also loved the cute little rain gauge. I want to thank you again for the kit.

Sincerely,
Haley Fock

From: Haley
To: waterwise

5/29/2013

To Whom It May Concern:

I would like to recommend the WaterWise Program to all of my fellow educators out there. The lessons are great and correlated wonderfully with my 5th grade Science TEKS. I used it in conjunction with my science unit on the Hydrologic Cycle. The WaterWise kit that the students took home was probably the best aspect of the program for the students. I received thanks from the parents who shared their excitement at being given these items to install in their homes.

Thank you for once again allowing us to participate in this program!

Laura Schulz

Nursery Elementary School

Thank you
Victoria County
Groundwater
Conservation
District

Thank you for letting us have
the pleasure of being able to
do this.

From Donaven

Thanks for the free
Water Wise Kits?

It teaches alot about the
water-cycle. You are so generous.
Its a good program for
people to save money.

THANK
YOU!

fizzie
Adams

Thank you victoria
County Groundwater
Conservation District
Water wise program

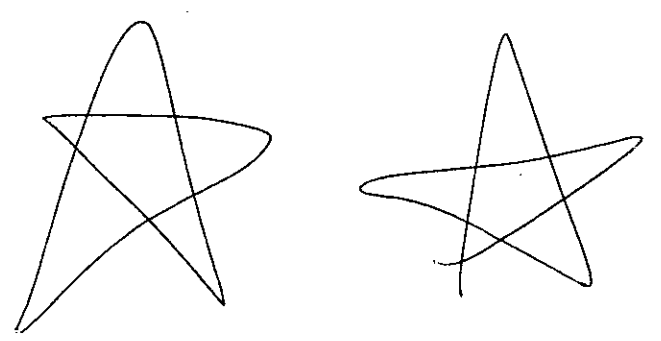
☆ Save ☆

Thank you for donations
60-70 \$\$\$ worth
of stuff!

\$\$\$
☆ ↓ ☆

It helped up ~~save~~ save
a lot of money! & water!

Water!!



Thanks Victoria county groundwater conservation district for providing 70\$ worth of equipment. I used all of it. I love the showerhead. I try to take shorter showers, and save water.

Kastin Heiold
Mission Valley Elem.

Fiscal Year 2012 - 2013 Annual Report
Attachment 05

**Minutes of the
South Central Texas Regional Water Planning Group
August 1, 2013**

The meeting was called to order at 10:05 a.m. in the San Antonio Water System's (SAWS) Customer Service Building, Room CR 145, 2800 US Highway 281 North, San Antonio, Bexar County, Texas.

Twenty-seven of the 29 voting members, or their alternates, were present.

Voting Members Present:

Gen Leathers for Jason Ammerman	Dan Meyer
Tim Andruss	Gary Middleton
Donna Balin	Con Mims
Evelyn Bonavita	Ron Naumann
Rey Chavez	Tyson Broad for Iliana Pe a
Alan Cockerell	Robert Puente
Will Conley	Steve Ramsey
Don Dietzmann	Diane Savage
Art Dohmann	Suzanne Scott
Vic Hilderbran	Greg Sengelmann
Rick Illgner for Karl Dreher	Milton Stolte
Kevin Janak	Tom Taggart
Bill West	Tony Wood
John Kight	

Voting Members Absent:

Mike Mahoney
Bill Jones

Non-Voting Members Present:

Matt Nelson, Texas Water Development Board (TWDB)
Steve Ramos, Texas Commission on Environmental Quality, South Texas Watermaster
Charles Wiedenfeld, Region J Liaison

AGENDA ITEM NO. 1: Public Comment

There were no public comments at this time.

AGENDA ITEM NO. 2: Approval of Minutes

Chairman Con Mims asked if there were any additions or corrections to the minutes from May 2, 2013. Mr. Mims received minor corrections and provided the corrections to the Planning Group. Mr. Mims asked for a motion to approve the minutes as corrected. Gary Middleton made a motion to approve the minutes as corrected. Ron Naumann seconded the motion. The motion carried by consensus.

**Minutes of the
South Central Texas Regional Water Planning Group
March 14, 2013**

The meeting was called to order at 10:00 a.m. in the San Antonio Water System's (SAWS) Customer Service Building, Room CR 145, 2800 US Highway 281 North, San Antonio, Bexar County, Texas.

Twenty-seven of the 29 voting members, or their alternates, were present.

Voting Members Present:

Gen Leathers for Jason Ammerman	Dan Meyer
Tim Andruss	Gary Middleton
Donna Balin	Con Mims
Evelyn Bonavita	Ron Naumann
Patrick Garcia for Rey Chavez	Iliana Pe a
Alan Cockerell	Robert Puente
Don Dietzmann	Steve Ramsey
Art Dohmann	Suzanne Scott
Vic Hilderbran	Barry Miller for Greg Sengelmann
Rick Illgner	Milton Stolte
Kevin Janak	Tom Taggart
Bill Jones	Bill West
John Kight	Tony Wood
Mike Mahoney	

Voting Members Absent:

Will Conley
Diane Savage

Non-Voting Members Present:

Norman Boyd, Texas Department of Parks and Wildlife (TPWD)
Ron Fieseler, Region K Liaison
Don McGhee, Region M Liaison
Matt Nelson, Texas Water Development Board (TWDB)
Ken Weidenfeller, Texas Department of Agriculture

AGENDA ITEM NO. 1: Public Comment

There was no public comment at the time.

AGENDA ITEM NO. 2: Approval of Minutes

**Minutes of the
South Central Texas Regional Water Planning Group
May 2, 2013**

The meeting was called to order at 10:05 a.m. in the San Antonio Water System's (SAWS) Customer Service Building, Room CR 145, 2800 US Highway 281 North, San Antonio, Bexar County, Texas.

Twenty-eight of the 29 voting members, or their alternates, were present.

Voting Members Present:

Gen Leathers for Jason Ammerman	Dan Meyer
Tim Andruss	Gary Middleton
Donna Balin	Con Mims
Evelyn Bonavita	Ron Naumann
Rey Chavez	Iliana Pe a
Alan Cockerell	Charles Ahrens for Robert Puente
Will Conley	Steve Ramsey
Don Dietzmann	Diane Savage
Art Dohmann	Suzanne Scott
Vic Hilderbran	Greg Sengelmann
Rick Illgner for Karl Dreher	Milton Stolte
Kevin Janak	Tom Taggart
Bill Jones	Bill West
Micah Voulgaris for John Kight	Tony Wood

Voting Members Absent:

Mike Mahoney

Non-Voting Members Present:

Wally Bubly, Texas Department of Parks and Wildlife (TPWD)
Ron Fieseler, Region K Liaison
Don McGhee, Region M Liaison
Matt Nelson, Texas Water Development Board (TWDB)
Ken Weidenfeller, Texas Department of Agriculture

AGENDA ITEM NO. 1: Public Comment

Melissa Grote, Program Specialist, Texas State Soil and Water Conservation Board (TSSWCB), helps manage the Water Supply Enhancement Project (formerly known as State Brush Program) for TSSWCB and is currently working on a project on the Guadalupe River and provided handouts for the program across the state.

AGENDA ITEM NO. 2: Approval of Minutes

**Minutes of the
South Central Texas Regional Water Planning Group
November 1, 2012**

The meeting was called to order at 10:00 a.m. in the San Antonio Water System's (SAWS) Customer Service Building, Room CR 145, 2800 US Highway 281 North, San Antonio, Bexar County, Texas.

Twenty-five of the 29 voting members, or their alternates, were present.

Voting Members Present:

Gen Leathers for Jason Ammerman	Dan Meyer
Tim Andruss	Con Mims
Donna Balin	Ron Naumann
Evelyn Bonavita	Iliana Pe a
Alan Cockerell	Charles Ahrens for Robert Puente
Will Conley	Steve Ramsey
Don Dietzmann	Suzanne Scott
Art Dohmann	Greg Sengelmann
Rick Illgner for Karl Dreher	Milton Stolte
Vic Hilderbran	Tom Taggart
Kevin Janak	Tommy Hill for Bill West
Kenneth Eller for Bill Jones	Tony Wood
John Kight	

Voting Members Absent:

Rey Chavez
Mike Mahoney
Gary Middleton
Diane Savage

Non-Voting Members Present:

Norman Boyd, Texas Department of Parks and Wildlife (TPWD)
Ron Fieseler, Region K Liaison
Matt Nelson, Texas Water Development Board (TWDB)
Steve Ramos, South Texas Water Master, Texas Commission of Environmental Quality (TCEQ)

AGENDA ITEM NO. 1: Public Comment

There was no public comment at the time.

Fiscal Year 2012 - 2013 Annual Report
Attachment 06

Victoria County Groundwater Conservation District



Directors:

Mark Meek
President

Jerry Hr
Vice-Pres

September 16, 2013

Mr. Jerry James
City of Victoria
700 Main Center, Suite 113
Victoria, Texas 77901

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VICTORIA TX 77901

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Certified Fee		\$3.10	03
Return Receipt Fee (Endorsement Required)		\$2.53	Postmark Here
Restricted Delivery Fee (Endorsement Required)		\$0.00	USPS
Total Postage & Fees	\$	\$6.11	09/16/2013

Sent To: *The City of Victoria
attn: Mr. Jerry James*

Street, Apt. No., or PO Box No.: *700 main center, Ste 113*

City, State, ZIP+4: *Victoria, TX 77901*

PS Form 3800, August 2006 See Reverse for Instructions

7011 1570 0000 8281 1613

Via Certified Mail RRR No.: 7011 1570 0000 8281 1613

RE: Conjunctive Use

Dear Mr. James,

Through the Victoria County Groundwater Conservation District's management plan and rule-making process, the District established objectives related to addressing conjunctive surface water management issues. One of the objectives requires the District to communicate with specific entities that use surface water within Victoria County.

Objective: Communicate with GBRA, SARA, City of Victoria, and Victoria County Navigation District concerning conjunctive surface water management issues.

The District recognizes that in the coming years as water resources are more heavily relied upon, the need to consider innovative approaches to water management such as

conjunctive water use with
about conjunctive use and
groundwater resources of

If you have an interest in
resource matter with the

Regards,

Tim Andrus - General Manager

TA/dy

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> <i>Sandra Henning</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>S. Henning</i> C. Date of Delivery <i>9-17-13</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p><i>The City of Victoria attn: Mr. Jerry James 700 Main Center, Ste 113 Victoria, TX 77901</i></p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7011 1570 0000 8281 1613</p>
PS Form 3811, February 2004	Domestic Return Receipt 102595-02-M-1540

Victoria County Groundwater Conservation District



Directors:

Mark Meek
President

Jerry Hroch
Vice-President

Barbara Dietzel
Secretary

Thurman Clements
Kenneth Eller

September 16, 2013

Mr. Jerry James
City of Victoria
700 Main Center, Suite 113
Victoria, Texas 77901

Via Certified Mail RRR No.: 7011 1570 0000 8281 1613

RE: Conjunctive Use

Dear Mr. James,

Through the Victoria County Groundwater Conservation District's management plan and rule-making process, the District established objectives related to addressing conjunctive surface water management issues. One of the objectives requires the District to communicate with specific entities that use surface water within Victoria County.

Objective: Communicate with GBRA, SARA, City of Victoria, and Victoria County Navigation District concerning conjunctive surface water management issues.

The District recognizes that in the coming years as water resources are more heavily relied upon, the need to consider innovative approaches to water management such as conjunctive water use will increase. Therefore, the District remains interested in learning more about conjunctive use and other potential solutions to water management issues that involve the groundwater resources of Victoria County.

If you have an interest in discussing conjunctive water use or any other groundwater resource matter with the District, please contact me.

Regards,

Tim Andruss – General Manager

TA/dy

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

CERTIFIED MAIL™

7011 1570 0000 8281 1613
7011 1570 0000 8281 1613

U.S. Postal Service™
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OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To *The City of Victoria*
Attn: Mr. Jerry James
Street, Apt. No.,
or PO Box No. *700 Main Center, Ste 113*
City, State, ZIP+4 *Victoria, TX 77901*

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

The City of Victoria
Attn: Mr. Jerry James
700 Main Center, Ste 113
Victoria, TX 77901

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
X Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number
(Transfer from service label) **7011 1570 0000 8281 1613**

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

VICTORIA MPO
 VICTORIA, Texas
 779019998
 4879830901-0097
 09/16/2013 (361)575-2363 04:54:55 PM

=====

===== Sales Receipt =====

Product Description	Sale Unit Qty	Price	Final Price
SEGUIN TX 78155 Zone-2 First-Class Mail Letter 0.50 oz.			\$0.46
Return Rcpt (Green Card)			\$2.55
@@ Certified Label #:	70111570000082811606		\$3.10
Issue PVI:			\$6.11
VICTORIA TX 77901 Zone-0 First-Class Mail Letter 0.50 oz.			\$0.46
Scheduled Delivery Day: Tue 09/17/13			
Return Rcpt (Green Card)			\$2.55
@@ Certified Label #:	70111570000082811613		\$3.10
Issue PVI:			\$6.11
SAN ANTONIO TX 78204 Zone-2 First-Class Mail Letter 0.50 oz.			\$0.46
Scheduled Delivery Day: Wed 09/18/13			
Return Rcpt (Green Card)			\$2.55
@@ Certified Label #:	70111570000082811590		\$3.10
Issue PVI:			\$6.11
VICTORIA TX 77905 Zone-1 First-Class Mail Letter 0.50 oz.			\$0.46
Scheduled Delivery Day: Tue 09/17/13			
Return Rcpt (Green Card)			\$2.55
@@ Certified Label #:	70111570000082811583		\$3.10
Issue PVI:			\$6.11

=====
 Total: \$24.44

Paid by:
 VISA \$24.44
 Account #: XXXXXXXXXXXX6664
 Approval #: 03304G
 Transaction #: 365
 23903481513

@@ For tracking or inquiries go to
 USPS.com or call 1-800-222-1811.

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 usps.com/clicknship to print
 shipping labels with postage. For
 other information call
 1-800-ASK-USPS.

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 want it with a secure Post Office
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 usps.com/poboxes.

Bill#:1000301537691
 Clerk:03

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 Refunds for guaranteed services only
 Thank you for your business

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YOUR OPINION COUNTS

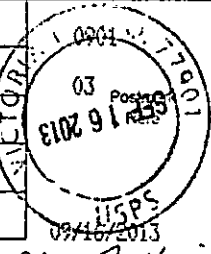
Customer Copy

U.S. Postal Service™
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For delivery information visit our website at www.usps.com

SEGUIN TX 78155

Postage	\$	\$0.46
Certified Fee		\$3.10
Return Receipt Fee (Endorsement Required)		\$2.55
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$6.11



Sent To *Mrs. Madalene Blanco River Authority*
Mr. W. E. West, Jr. - Gen. Mgr.
 Street, Apt. No., or PO Box No. *933 East Court St.*
 City, State, ZIP+4 *Seguin, TX 78155*

PS Form 3800, August 2006 See Reverse for Instructions

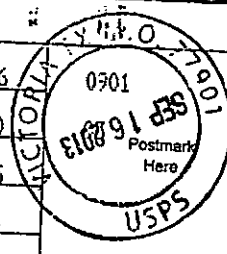
7011 1570 0000 8281 1590

U.S. Postal Service™
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For delivery information visit our website at www.usps.com

SAN ANTONIO TX 78204

Postage	\$	\$0.46
Certified Fee		\$3.10
Return Receipt Fee (Endorsement Required)		\$2.55
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$6.11



Sent To *San Antonio River Authority*
Ms. Suzanne B. Scott, Gen. Mgr.
 Street, Apt. No., or PO Box No. *112 E. Brewster Street*
 City, State, ZIP+4 *San Antonio, TX 78204*

PS Form 3800, August 2006 See Reverse for Instructions

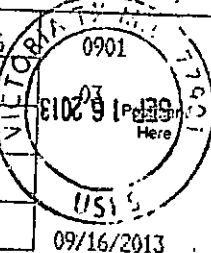
7011 1570 0000 8281 1583

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For delivery information visit our website at www.usps.com

VICTORIA TX 77901

Postage	\$	\$0.46
Certified Fee		\$3.10
Return Receipt Fee (Endorsement Required)		\$2.55
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$6.11



Sent To *The City of Victoria*
Attn: Mrs. Jerry James
 Street, Apt. No., or PO Box No. *700 Main Center Ste 113*
 City, State, ZIP+4 *Victoria, TX 77901*

PS Form 3800, August 2006 See Reverse for Instructions

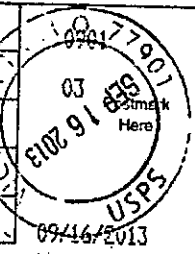
7011 1570 0000 8281 1583

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For delivery information visit our website at www.usps.com

VICTORIA TX 77905

Postage	\$	\$0.46
Certified Fee		\$3.10
Return Receipt Fee (Endorsement Required)		\$2.55
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$6.11



Sent To *Victoria County Navigator District*
Mrs. Jennifer Slattery - Exec. Director
 Street, Apt. No., or PO Box No. *214 Park of Victoria*
 City, State, ZIP+4 *1952 Fm 1432 Victoria, TX 77905*

PS Form 3800, August 2006 See Reverse for Instructions

Victoria County Groundwater Conservation District



Directors:

Mark Meek
President

Jerry Hroc
Vice-President

September 16, 2013

Ms. Jennifer Stastny
The Port of Victoria – Executive Director
Victoria County Navigation District
1934 FM 1432
Victoria, Texas 77905

Via: Certified Mail RRR No.: 7011 1570 0000 8281 1583

RE: Conjunctive Use

Dear Ms. Stastny,


Through the Victoria County Groundwater Conservation District's management plan and rule-making process, the District established objectives related to addressing conjunctive surface water management issues. One of the objectives requires the District to communicate with specific entities that use surface water within Victoria County.

Objective: Communicate with GBRA, SARA, City of Victoria, and Victoria County Navigation District concerning conjunctive surface water management issues.

The District recognizes that in the coming years as water resources are more heavily relied upon, the need to communicate about conjunctive water use with entities about conjunctive use and groundwater resources of the area is critical.

If you have an interest in this resource matter with the District,

Regards,


Tim Andruss – General Manager

TA/dy

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 		<p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> <i>Jeanne Schuman</i> <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>1. Article Addressed to:</p> <p><i>Victoria County Navigation Dist. Attn: Ms. Jennifer Stastny Executive Director - The Port of Victoria 1934 Fm 1432 Victoria, TX 77905</i></p>		<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	
<p>2. Article Number (Transfer from service label)</p> <p>7011 1570 0000 8281 1583</p>			
<p>PS Form 3811, February 2004</p>		<p>Domestic Return Receipt 102595-02-M-1540</p>	

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OFFICIAL USE
VICTORIA TX 77905

Postage	\$	\$0.46	
Certified Fee		\$3.10	
Return Receipt Fee (Endorsement Required)		\$2.55	
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$6.11	

Sent To *Victoria County Navigation District*
 Street, Apt. No., or PO Box No. *Ms. Jennifer Stastny - Exec. Director
The Port of Victoria*
 City, State, ZIP+4 *1932 Fm 1432
Victoria, TX 77905*

PS Form 3800, August 2006 See Reverse for Instructions

Victoria County Groundwater Conservation District



Directors:

Mark Meek
President

Jerry Hroch
Vice-President

Barbara Dietzel
Secretary

Thuman Clements
Kenneth Eller

September 16, 2013

Ms. Jennifer Stastny
The Port of Victoria – Executive Director
Victoria County Navigation District
1934 FM 1432
Victoria, Texas 77905

Via: Certified Mail RRR No.: 7011 1570 0000 8281 1583

RE: Conjunctive Use

Dear Ms. Stastny,

Through the Victoria County Groundwater Conservation District's management plan and rule-making process, the District established objectives related to addressing conjunctive surface water management issues. One of the objectives requires the District to communicate with specific entities that use surface water within Victoria County.

Objective: Communicate with GBRA, SARA, City of Victoria, and Victoria County Navigation District concerning conjunctive surface water management issues.

The District recognizes that in the coming years as water resources are more heavily relied upon, the need to consider innovative approaches to water management such as conjunctive water use will increase. Therefore, the District remains interested in learning more about conjunctive use and other potential solutions to water management issues that involve the groundwater resources of Victoria County.

If you have an interest in discussing conjunctive water use or any other groundwater resource matter with the District, please contact me.

Regards,

Tim Andruss – General Manager

TA/dy

BLACK STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE.
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7011 1570 0000 8281 1583
 7011 1570 0000 8281 1583

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OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark Here

Sent To: *Victoria County Navigation District*
 Street, Apt. No., or PO Box No.: *Ms. Jennifer Stastny - Exec. Director*
 City, State, ZIP+4: *1934 Fm 1432 Victoria TX 77905*

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Victoria County Navigation Dist
Attn: Ms. Jennifer Stastny
Executive Director - The Port of Victoria
1934 Fm 1432
Victoria, TX 77905

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
X Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number (Transfer from service label) **7011 1570 0000 8281 1583**
 PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

VICTORIA MPO
VICTORIA, Texas
779019998

4879830901-0097

09/16/2013 (361)575-2363 04:54:55 PM

=====

Sales Receipt		
Product Description	Sale Unit Qty Price	Final Price

=====

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Bill#:1000301537691
Clerk:03

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Refunds for guaranteed services only
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YOUR OPINION COUNTS

Customer Copy

SEGUIN TX 78155 Zone-2		\$0.46
First-Class Mail Letter		
0.50 oz.		
Return Rcpt (Green		\$2.55
Card)		
@@ Certified		\$3.10
Label #:	70111570000082811606	

Issue PVI: \$6.11

VICTORIA TX 77901 Zone-0		\$0.46
First-Class Mail Letter		
0.50 oz.		
Scheduled Delivery Day: Tue		
09/17/13		
Return Rcpt (Green		\$2.55
Card)		
@@ Certified		\$3.10
Label #:	70111570000082811613	

Issue PVI: \$6.11

SAN ANTONIO TX 78204 Zone-2		\$0.46
First-Class Mail Letter		
0.50 oz.		
Scheduled Delivery Day: Wed		
09/18/13		
Return Rcpt (Green		\$2.55
Card)		
@@ Certified		\$3.10
Label #:	70111570000082811590	

Issue PVI: \$6.11

VICTORIA TX 77905 Zone-1		\$0.46
First-Class Mail Letter		
0.50 oz.		
Scheduled Delivery Day: Tue		
09/17/13		
Return Rcpt (Green		\$2.55
Card)		
@@ Certified		\$3.10
Label #:	70111570000082811583	

Issue PVI: \$6.11

=====
Total: \$24.44

Paid by:
VISA \$24.44

Account #: XXXXXXXXXXXX6664

Approval #: 03304G

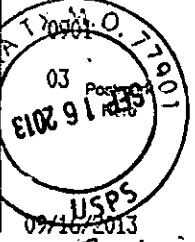
Transaction # 12-305 Annual Report: Page 242 of 380
23903481513

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OFFICIAL USE
 SEGUIN TX 78155

Postage	\$	\$0.46
Certified Fee		\$3.10
Return Receipt Fee (Endorsement Required)		\$2.55
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$6.11



Sent To *Madalene Blanco River Authority*
Mr. W. E. West, Jr. - Gen Mgr.
 Street, Apt. No. or PO Box No. *933 East Court St.*
 City, State, ZIP+4 *Seguin, TX 78155*

PS Form 3800, August 2006 See Reverse for Instructions

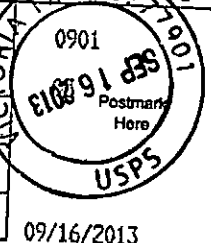
0901 03 0916 2013 1570 0000 8281 1590

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OFFICIAL USE
 SAN ANTONIO TX 78204

Postage	\$	\$0.46
Certified Fee		\$3.10
Return Receipt Fee (Endorsement Required)		\$2.55
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$6.11



Sent To *San Antonio River Authority*
Ms. Suzanne B. Scott, Gen Mgr.
 Street, Apt. No. or PO Box No. *140 E. Duval Street*
 City, State, ZIP+4 *San Antonio, TX 78204*

PS Form 3800, August 2006 See Reverse for Instructions

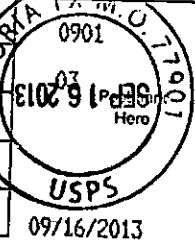
0901 03 0916 2013 1570 0000 8281 1590

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For delivery information visit our website at www.usps.com

OFFICIAL USE
 VICTORIA TX 77901

Postage	\$	\$0.46
Certified Fee		\$3.10
Return Receipt Fee (Endorsement Required)		\$2.55
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$6.11



Sent To *The City of Victoria*
Attn: Mrs. Jerry James
 Street, Apt. No. or PO Box No. *700 Main Center Ste 113*
 City, State, ZIP+4 *Victoria, TX 77901*

PS Form 3800, August 2006 See Reverse for Instructions

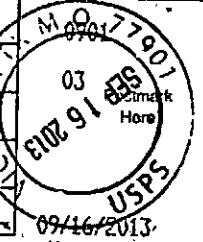
0901 03 0916 2013 1570 0000 8281 1590

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OFFICIAL USE
 VICTORIA TX 77905

Postage	\$	\$0.46
Certified Fee		\$3.10
Return Receipt Fee (Endorsement Required)		\$2.55
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$6.11



Sent To *Victoria County Navigation District*
Ms. Jennifer Stearns - Exec. Director
 Street, Apt. No. or PO Box No. *240 Park of Victoria*
 City, State, ZIP+4 *1932 FID 1432 Victoria, TX 77905*

PS Form 3800, August 2006 See Reverse for Instructions

0901 03 0916 2013 1570 0000 8281 1590

Victoria County Groundwater



Directors:

Mark Meek
President

Jerry Hroch
Vice-President

September 16, 2013

Mr. W.E. West, Jr.
Guadalupe Blanco River Authority – General Manager
933 East Court Street
Seguin, Texas 78155

U.S. Postal Service™	
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(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
SEGUIN TX 78155	
Postage	\$ 0.46
Certified Fee	\$3.10
Return Receipt Fee (Endorsement Required)	\$2.55
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ 6.11

VICTORIA TX 09162013
03 Postmark Here
09/16/2013
USPS

Sent To: *Guadalupe Blanco River Authority*
Mr. W. E. West, Jr. - Gen Mgr.
Street, Apt. No., or PO Box No. *933 East Court St.*
City, State, ZIP+4 *Seguin, TX 78155*

PS Form 3800, August 2006 See Reverse for Instructions

Via Certified Mail RRR No.: 7011 1570 0000 8281 1606

RE: Conjunctive Use

Dear Mr. West,

Through the Victoria County Groundwater Conservation District's management plan and rule-making process, the District established objectives related to addressing conjunctive surface water management issues. One of the objectives requires the District to communicate with specific entities that use surface water within Victoria County.

Objective: Communicate with GBRA, SARA, City of Victoria, and Victoria County Navigation District concerning conjunctive surface water management issues.

The District recognizes that in the coming years as water resources are more heavily relied upon, the need to consider innovative approaches to water management such as conjunctive water use will increase. Therefore, the District remains interested in learning more about conjunctive use and other potential solutions to water management issues that involve the groundwater resources of Victoria County.

If you have resource matter with

Regards,

[Signature]
Tim Andruss – Gen

TA/dy

<p>SENDER: COMPLETE THIS SECTION</p> <ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. <p>1. Article Addressed to:</p> <p><i>Guadalupe Blanco River Authority</i> <i>Mr. W.E. West, Jr. - Gen Mgr.</i> <i>933 East Court St.</i> <i>Seguin, TX 78155</i></p> <p>2. Article Number (Transfer from service label)</p> <p>7011 1570 0000 8281 1606</p>	<p>COMPLETE THIS SECTION ON DELIVERY</p> <p>A. Signature <i>[Signature]</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Annlee Brazkewski</i> C. Date of Delivery <i>9-18-13</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
---	--

2805 N. Navarro

Victoria County Groundwater Conservation District



Directors:

Mark Meek
President

Jerry Hroch
Vice-President

Barbara Dietzel
Secretary

Thurman Clements
Kenneth Eller

September 16, 2013

Mr. W.E. West, Jr.
Guadalupe Blanco River Authority – General Manager
933 East Court Street
Seguin, Texas 78155

Via Certified Mail RRR No.: 7011 1570 0000 8281 1606

RE: Conjunctive Use

Dear Mr. West,

Through the Victoria County Groundwater Conservation District's management plan and rule-making process, the District established objectives related to addressing conjunctive surface water management issues. One of the objectives requires the District to communicate with specific entities that use surface water within Victoria County.

Objective: Communicate with GBRA, SARA, City of Victoria, and Victoria County Navigation District concerning conjunctive surface water management issues.

The District recognizes that in the coming years as water resources are more heavily relied upon, the need to consider innovative approaches to water management such as conjunctive water use will increase. Therefore, the District remains interested in learning more about conjunctive use and other potential solutions to water management issues that involve the groundwater resources of Victoria County.

If you have an interest in discussing conjunctive water use or any other groundwater resource matter with the District, please contact me.

Regards,

A handwritten signature in black ink, appearing to read "Tim Andruss", written over a horizontal line.

Tim Andruss – General Manager

TA/dy

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS FOLD AT DOTTED LINE
CERTIFIED MAIL



7011 1570 0000 8281 1606
 7011 1570 0000 8281 1606

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U S E

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To *Madalene Blanco River Authority*
Mr. W. E. West, Jr. - Gen Mgr.
 Street, Apt. No.,
 or PO Box No. *933 East Court St.*
 City, State, ZIP+4 *Sequin, TX 78155*

PS Form 3800, August 2005 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Madalene Blanco River Authority
Mr. W. E. West, Jr. - Gen Mgr.
933 East Court St.
Sequin, TX 78155

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number
 (Transfer from service label) **7011 1570 0000 8281 1606**

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

VICTORIA MPO
VICTORIA, Texas
779019998
4879830901-0097

09/16/2013 (361)575-2363 04:54:55 PM

@@ For tracking or inquiries go to
USPS.com or call 1-800-222-1811.

Order stamps at usps.com/shop or
call 1-800-Stamp24. Go to
usps.com/clicknship to print
shipping labels with postage. For
other information call
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want it with a secure Post Office
Box. Sign up for a box online at
usps.com/poboxes.

Bill#:1000301537691
Clerk:03

All sales final on stamps and postage
Refunds for guaranteed services only
Thank you for your business

HELP US SERVE YOU BETTER

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<https://postalexperience.com/Pos>

TELL US ABOUT YOUR RECENT
POSTAL EXPERIENCE

YOUR OPINION COUNTS

Customer Copy

Sales Receipt		
Product Description	Sale Unit Qty Price	Final Price
SEGUIN TX 78155 Zone-2		\$0.46
First-Class Mail Letter		
0.50 oz.		
Return Rcpt (Green Card)		\$2.55
@@ Certified		\$3.10
Label #:	70111570000082811606	=====
Issue PVI:		\$6.11
VICTORIA TX 77901 Zone-0		\$0.46
First-Class Mail Letter		
0.50 oz.		
Scheduled Delivery Day: Tue		
09/17/13		
Return Rcpt (Green Card)		\$2.55
@@ Certified		\$3.10
Label #:	70111570000082811613	=====
Issue PVI:		\$6.11
SAN ANTONIO TX 78204 Zone-2		\$0.46
First-Class Mail Letter		
0.50 oz.		
Scheduled Delivery Day: Wed		
09/18/13		
Return Rcpt (Green Card)		\$2.55
@@ Certified		\$3.10
Label #:	70111570000082811590	=====
Issue PVI:		\$6.11
VICTORIA TX 77905 Zone-1		\$0.46
First-Class Mail Letter		
0.50 oz.		
Scheduled Delivery Day: Tue		
09/17/13		
Return Rcpt (Green Card)		\$2.55
@@ Certified		\$3.10
Label #:	70111570000082811583	=====
Issue PVI:		\$6.11
Total:		=====
		\$24.44

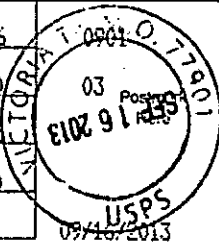
Paid by:
VISA \$24.44
Account #: XXXXXXXXXXXX6664
Approval #: 03304G
Transaction # 23903481513

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SEGUIN TX 78155 **OFFICIAL USE**

Postage	\$ 0.46
Certified Fee	\$3.10
Return Receipt Fee (Endorsement Required)	\$2.55
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ 6.11



Sent To *Guadalupe Blanco Pine Authority*
Mr. W. E. West, Jr. - Gen Mgr
 Street, Apt. No. or PO Box No. *933 East Court St.*
 City, State, ZIP+4 *Seguin, TX 78155*

PS Form 3800, August 2006 See Reverse for Instructions

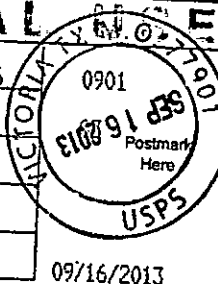
01570 0000 8281 1590 7011

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For delivery information visit our website at www.usps.com

SAN ANTONIO TX 78204 **OFFICIAL USE**

Postage	\$ 0.46
Certified Fee	\$3.10
Return Receipt Fee (Endorsement Required)	\$2.55
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ 6.11



Sent To *San Antonio River Authority*
 Street, Apt. No. or PO Box No. *Ms. Suzanne B. Scott, Gen Mgr.*
 City, State, ZIP+4 *110 E. Brewster Street
 San Antonio, TX 78204*

PS Form 3800, August 2006 See Reverse for Instructions

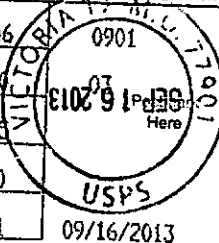
01570 0000 8281 1583 7011

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For delivery information visit our website at www.usps.com

VICTORIA TX 77901 **OFFICIAL USE**

Postage	\$ 0.46
Certified Fee	\$3.10
Return Receipt Fee (Endorsement Required)	\$2.55
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ 6.11



Sent To *The City of Victoria*
Attn: Mr. Jerry James
 Street, Apt. No. or PO Box No. *700 Main Center Ste 113*
 City, State, ZIP+4 *Victoria, TX 77901*

PS Form 3800, August 2006 See Reverse for Instructions

01570 0000 8281 1583 7011

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VICTORIA TX 77905 **OFFICIAL USE**

Postage	\$ 0.46
Certified Fee	\$3.10
Return Receipt Fee (Endorsement Required)	\$2.55
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ 6.11



Sent To *Victoria County Navigation District*
 Street, Apt. No. or PO Box No. *Ms. Jennifer Stebbins - Exec. Director*
 City, State, ZIP+4 *2nd Park of Victoria
 Victoria, TX 77905*

PS Form 3800, August 2006 See Reverse for Instructions

Victoria County Groundwater Conservation District



Directors:

Mark Meek
President

Jerry Hroch
Vice-President

September 16, 2013

Ms. Suzanne B. Scott
San Antonio River Authority – General Manager
100 East Guenther Street
San Antonio, Texas 78204

Via: Certified Mail RRR No.: 7011 1570 0000 8281 1590

RE: Conjunctive Use

Dear Ms. Scott,

Through the Victoria County Groundwater Conservation District's management plan and rule-making process, the District established objectives related to addressing conjunctive surface water management issues. One of the objectives requires the District to communicate with specific entities that use surface water within Victoria County.

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If you have an interest in this resource matter with the

Regards,

Tim Andrus – General Manager

TA/dy

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SAN ANTONIO TX 78204

Postage	\$ 40.46
Certified Fee	\$ 3.10
Return Receipt Fee (Endorsement Required)	\$ 2.55
Restricted Delivery Fee (Endorsement Required)	\$ 0.00
Total Postage & Fees	\$ 46.11



Sent To: *San Antonio River Authority*
 Street, Apt. No. or PO Box No.: *Ms. Suzanne B. Scott, Gen Mgr. 100 E. Guenther Street*
 City, State, ZIP+4: *San Antonio, TX 78204*

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
*San Antonio River Authority
 Mrs. Suzanne B. Scott, Gen Mgr.
 100 E Guenther Street
 San Antonio, TX 78204*

2. Article Number
 (Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent Addressee
[Signature]

B. Received by (Printed Name) _____ C. Date of Delivery *9/18*

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below: _____

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

7011 1570 0000 8281 1590

2805 N. Navarro St. S

Victoria County Groundwater Conservation District



Directors:

Mark Meek
President

Jerry Hroch
Vice-President

Barbara Dietzel
Secretary

Thurman Clements
Kenneth Eller

September 16, 2013

Ms. Suzanne B. Scott
San Antonio River Authority – General Manager
100 East Guenther Street
San Antonio, Texas 78204

Via: Certified Mail RRR No.: 7011 1570 0000 8281 1590

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Tim Andruss – General Manager

TA/dy

VICTORIA MPO
 VICTORIA, Texas
 779019998
 4879830901-0097
 09/16/2013 (361)575-2363 04:54:55 PM

=====

Sales Receipt		
Product Description	Sale Unit Qty Price	Final Price

=====

@@ For tracking or inquiries go to
 USPS.com or call 1-800-222-1811.

Order stamps at usps.com/shop or
 call 1-800-Stamp24. Go to
 usps.com/clicknship to print
 shipping labels with postage. For
 other information call
 1-800-ASK-USPS.

 Get your mail when and where you
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 Box. Sign up for a box online at
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 Clerk:03

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TELL US ABOUT YOUR RECENT
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YOUR OPINION COUNTS

Customer Copy

SEGUIN TX 78155 Zone-2		\$0.46
First-Class Mail Letter		
0.50 oz.		
Return Rcpt (Green		\$2.55
Card)		
@@ Certified		\$3.10
Label #:	70111570000082811606	
		=====
Issue PVI:		\$6.11
VICTORIA TX 77901 Zone-0		\$0.46
First-Class Mail Letter		
0.50 oz.		
Scheduled Delivery Day: Tue		
09/17/13		
Return Rcpt (Green		\$2.55
Card)		
@@ Certified		\$3.10
Label #:	70111570000082811613	
		=====
Issue PVI:		\$6.11
SAN ANTONIO TX 78204 Zone-2		\$0.46
First-Class Mail Letter		
0.50 oz.		
Scheduled Delivery Day: Wed		
09/18/13		
Return Rcpt (Green		\$2.55
Card)		
@@ Certified		\$3.10
Label #:	70111570000082811590	
		=====
Issue PVI:		\$6.11
VICTORIA TX 77905 Zone-1		\$0.46
First-Class Mail Letter		
0.50 oz.		
Scheduled Delivery Day: Tue		
09/17/13		
Return Rcpt (Green		\$2.55
Card)		
@@ Certified		\$3.10
Label #:	70111570000082811583	
		=====
Issue PVI:		\$6.11

Total: \$24.44

Paid by:
 VISA \$24.44

Account #: XXXXXXXXXXXX6664
 Approval #: 03304G
 Transaction #: 23903481513

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.
CERTIFIED MAIL™



7011 1570 0000 8281 1590
 7011 1570 0000 8281 1590

U.S. Postal Service™
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OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To *San Antonio River Authority*
 Street, Apt. No. or PO Box No. *Ms. Suzanne B. Scott, Gen Mgr.*
 City, State, ZIP+4 *100 E. Guenther Street*
San Antonio, TX 78204

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
San Antonio River Authority
Ms. Suzanne B Scott, Gen Mgr.
100 E Guenther Street
San Antonio, TX 78204

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee
X

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number
 (Transfer from service label)

7011 1570 0000 8281 1590

Fiscal Year 2012 - 2013 Annual Report
Attachment 07

Source_Record	Measurement_Date	Well_Registration_Number	Aquifer_Parameter	Aquifer_Measurement	Measurement_Units
WLM-20130401-01	4/1/2013 0:00	79-07-703	Water Level (DBS)	107.55	Feet
WLM-20130401-02	4/1/2013 0:00	79-15-903	Water Level (DBS)	44.2	Feet
WLM-20130401-03	4/1/2013 0:00	79-23-303	Water Level (DBS)	37.75	Feet
WLM-20130401-04	4/1/2013 0:00	79-23-601	Water Level (DBS)	47.1	Feet
WLM-20130401-05	4/1/2013 0:00	79-24-102	Water Level (DBS)	52.6	Feet
WLM-20130401-06	4/1/2013 0:00	79-24-702	Water Level (DBS)	50.5	Feet
WLM-20130401-07	4/1/2013 0:00	79-32-602	Water Level (DBS)	36.2	Feet
WLM-20130401-08	4/1/2013 0:00	GW-000492	Water Level (DBS)	42	Feet
WLM-20130401-09	4/1/2013 0:00	GW-000375	Water Level (DBS)	13.8	Feet
WLM-20130401-10	4/1/2013 0:00	NW-000122	Water Level (DBS)	42.6	Feet
WLM-20130401-11	4/1/2013 0:00	GW-000311	Water Level (DBS)	32.3	Feet
WLM-20130401-12	4/1/2013 0:00	80-14-401	Water Level (DBS)	36.2	Feet
WLM-20130401-13	4/1/2013 0:00	GW-000489	Water Level (DBS)	33.5	Feet
WLM-20130401-14	4/1/2013 0:00	GW-000028	Water Level (DBS)	35	Feet
WLM-20130401-15	4/1/2013 0:00	GW-000377	Water Level (DBS)	31.8	Feet
WLM-20130401-16	4/1/2013 0:00	GW-000366	Water Level (DBS)	56.7	Feet
WLM-20130401-17	4/1/2013 0:00	GW-000364	Water Level (DBS)	52.8	Feet
WLM-20130401-18	4/1/2013 0:00	GW-000212	Water Level (DBS)	39.5	Feet
WLM-20130401-19	4/1/2013 0:00	GW-000339	Water Level (DBS)	98.6	Feet
WLM-20130403-01	4/3/2013 0:00	79-08-805	Water Level (DBS)	52.1	Feet
WLM-20130403-02	4/3/2013 0:00	79-07-305	Water Level (DBS)	77.6	Feet
WLM-20130403-03	4/3/2013 0:00	GW-000544	Water Level (DBS)	71.8	Feet
WLM-20130403-04	4/3/2013 0:00	79-16-702	Water Level (DBS)	38.2	Feet
WLM-20130403-05	4/3/2013 0:00	79-16-701	Water Level (DBS)	42.5	Feet
WLM-20130403-06	4/3/2013 0:00	79-16-703	Water Level (DBS)	38.8	Feet
WLM-20130403-07	4/3/2013 0:00	80-01-301	Water Level (DBS)	76.5	Feet
WLM-20130503-01	5/3/2013 0:00	GW-000364	Water Level (DBS)	54.7	Feet
WLM-20130503-02	5/3/2013 0:00	GW-000366	Water Level (DBS)	58.25	Feet
WLM-20130506-01	5/6/2013 0:00	79-07-305	Water Level (DBS)	78.1	Feet
WLM-20130520-01	5/20/2013 0:00	GW-000395	Water Level (DBS)	33.9	Feet
WLM-20130522-01	5/22/2013 0:00	GW-000533	Water Level (DBS)	41.7	Feet
WLM-20130604-01	6/4/2013 0:00	NW-000426	Water Level (DBS)	129.5	Feet
WLM-20130604-02	6/4/2013 0:00	GW-000159	Water Level (DBS)	81.5	Feet
WLM-20130604-03	6/4/2013 0:00	NW-000016	Water Level (DBS)	70.4	Feet
WLM-20130604-04	6/4/2013 0:00	GW-000494	Water Level (DBS)	99.9	Feet
WLM-20130613-01	6/13/2013 0:00	GW-000227	Water Level (DBS)	29.2	Feet
WLM-20130613-02	6/13/2013 0:00	GW-000181	Water Level (DBS)	22.35	Feet
WLM-20130613-03	6/13/2013 0:00	GW-000192	Water Level (DBS)	28.4	Feet
WLM-20130613-04	6/13/2013 0:00	GW-000150	Water Level (DBS)	33.9	Feet
WLM-20130617-01	6/17/2013 0:00	NW-000122	Water Level (DBS)	43.25	
WLM-20130624-01	6/24/2013 0:00	NW-000425	Water Level (DBS)	29	Feet
WLM-20130628-01	6/28/2013 0:00	NW-000030	Water Level (DBS)	48.8	Feet

WLM-20130709-01	7/9/2013 0:00	GW-000101	Water Level (DBS)	25.6 Feet
WLM-20130722-01	7/19/2013 0:00	GW-000190	Water Level (DBS)	60.35 Feet
WLM-20130722-02	7/19/2013 0:00	NW-000165	Water Level (DBS)	70.45 Feet
WLM-20130722-03	7/19/2013 0:00	GW-000552	Water Level (DBS)	62.65 Feet
WLM-20130723-01	7/23/2013 0:00	GW-000085	Water Level (DBS)	36.95 Feet
WLM-20130731-01	7/31/2013 0:00	81244 / WL-20130830-02 / -97.072393 28.886928	Water Level (DBS)	54.35 Feet
WLM-20130823-01	8/23/2013 0:00	Martin Robles / Unk / -96.924434 28.638224	Water Level (DBS)	51.1 Feet
WLM-20130830-01	8/30/2013 0:00	Wallace Brown/unk/-96.50.237 28.53.403	Water Level (DBS)	39.1 Feet
WLM-20130912-01	9/12/2013 0:00	NW-000333	Water Level (DBS)	45.1 Feet
WLM-20130930-01	9/23/2013 0:00	GW-000510	Water Level (DBS)	26 Feet
WLM-20130930-02	9/23/2013 0:00	79-08-805	Water Level (DBS)	74.3 Feet
WLM-20130930-03	9/23/2013 0:00	79-07-305	Water Level (DBS)	77.9 Feet
WLM-20130930-04	9/23/2013 0:00	GW-000544	Water Level (DBS)	73.5 Feet
WLM-20130930-05	9/23/2013 0:00	79-29-703	Water Level (DBS)	108.5 Feet
WLM-20130930-06	9/23/2013 0:00	79-16-702	Water Level (DBS)	47.1 Feet
WLM-20130930-07	9/23/2013 0:00	79-16-701	Water Level (DBS)	55 Feet
WLM-20130930-08	9/23/2013 0:00	79-16-703	Water Level (DBS)	57.8 Feet
WLM-20130930-09	9/23/2013 0:00	79-23-303	Water Level (DBS)	37.1 Feet
WLM-20130930-10	9/23/2013 0:00	79-15-903	Water Level (DBS)	44.7 Feet
WLM-20130930-11	9/23/2013 0:00	79-24-102	Water Level (DBS)	52.5 Feet
WLM-20130930-12	9/23/2013 0:00	79-23-601	Water Level (DBS)	46.3 Feet
WLM-20130930-13	9/23/2013 0:00	79-24-702	Water Level (DBS)	50.7 Feet
WLM-20130930-14	9/23/2013 0:00	GW-000492	Water Level (DBS)	42.95 Feet
WLM-20130930-15	9/23/2013 0:00	GW-000375	Water Level (DBS)	14.9 Feet
WLM-20130930-16	9/23/2013 0:00	NW-000122	Water Level (DBS)	44.7 Feet
WLM-20130930-17	9/23/2013 0:00	GW-000311	Water Level (DBS)	32.3 Feet
WLM-20130930-18	9/23/2013 0:00	80-18-401	Water Level (DBS)	36.9 Feet
WLM-20130930-19	9/23/2013 0:00	GW-000489	Water Level (DBS)	33.9 Feet
WLM-20130930-20	9/23/2013 0:00	GW-000028	Water Level (DBS)	51.8 Feet
WLM-20130930-21	9/23/2013 0:00	GW-000239	Water Level (DBS)	66.4 Feet
WLM-20130930-22	9/23/2013 0:00	GW-000377	Water Level (DBS)	33.8 Feet
WLM-20130930-23	9/23/2013 0:00	GW-000366	Water Level (DBS)	67.6 Feet
WLM-20130930-24	9/23/2013 0:00	GW-000364	Water Level (DBS)	65.1 Feet
WLM-20130930-25	9/23/2013 0:00	80-01-301	Water Level (DBS)	98.35 Feet
WLM-20130930-26	9/23/2013 0:00	66-57-903	Water Level (DBS)	96.45 Feet
WLM-20130930-27	9/23/2013 0:00	GW-000021	Water Level (DBS)	36.6 Feet
WLM-20130930-28	9/23/2013 0:00	GW-000339	Water Level (DBS)	99.6 Feet
WLM-20130930-29	9/24/2013 0:00	GW-000552	Water Level (DBS)	61.95 Feet
WLM-20130930-30	9/24/2013 0:00	GW-000158	Water Level (DBS)	74.45 Feet
WLM-20130930-31	9/24/2013 0:00	NW-000116	Water Level (DBS)	68.7 Feet
WLM-20130930-32	9/24/2013 0:00	GW-000159	Water Level (DBS)	81.5 Feet
WLM-20130930-33	9/24/2013 0:00	NW-000426	Water Level (DBS)	130.45 Feet
WLM-20130930-34	9/24/2013 0:00	E.G. Smith	Water Level (DBS)	89.3 Feet

WLM-20130930-35	9/24/2013 0:00 GW-000494	Water Level (DBS)	96.8 Feet
WLM-20130930-36	9/24/2013 0:00 GW-000047	Water Level (DBS)	62 Feet
WLM-20130930-37	9/25/2013 0:00 NW-000030	Water Level (DBS)	49.65 Feet
WLM-20130930-38	9/25/2013 0:00 GW-000533	Water Level (DBS)	39.3 Feet
WLM-20130930-39	9/25/2013 0:00 GW-000150	Water Level (DBS)	31.16 Feet
WLM-20130930-40	9/26/2013 0:00 NW-000097	Water Level (DBS)	65.5 Feet
WLM-20130930-41	9/26/2013 0:00 GW-000138	Water Level (DBS)	102.53 Feet
WLM-20130930-42	9/26/2013 0:00 NW-000425	Water Level (DBS)	43.15 Feet
WLM-20131001-01	9/27/2013 0:00 GW-000227	Water Level (DBS)	29.53 Feet
WLM-20131001-02	9/27/2013 0:00 GW-000189	Water Level (DBS)	23.7 Feet
WLM-20131001-03	9/27/2013 0:00 GW-000192	Water Level (DBS)	29.1 Feet
WLM-20131001-04	9/27/2013 0:00 Airport/ -96.54.671/ 28.51.612	Water Level (DBS)	44.6 Feet
WLM-20131001-05	9/27/2013 0:00 Meek Brothers Well 1	Water Level (DBS)	47.85 Feet

Fiscal Year 2012 - 2013 Annual Report
Attachment 08



*Consulting Engineers
and Scientists*

PASTOR, BEHLING & WHEELER, LLC
620 E. Airline
Victoria, TX 77901
Tel (361) 573-6442
Fax (361) 573-6449

June 4, 2013
Via Electronic Mail

Victoria County Groundwater Conservation District
2805 Navarro Street
Suite 210
Victoria, Texas 77901

**Re: Letter Report – June 2013 Status Update on Arsenic Issues in Groundwater
City of Victoria Landfill, Victoria County, Texas**

Dear Mr. Andruss:

Pastor, Behling & Wheeler, LLC (PBW) has reviewed the 2013 semi-annual monitoring report regarding groundwater monitoring at the City of Victoria Landfill in Victoria County, Texas. The report was prepared by Hydrex Environmental, Inc. (Hydrex) on behalf of Republic Waste Services of Texas, Ltd (Republic). Republic is the operator of the landfill.

CURRENT STATUS

Sampling was conducted in March 2013 on a subset of the monitoring wells at the facility. The wells sampled included the two on-site monitoring wells with elevated arsenic concentrations (MW-19, MW-20) but did not include the three downgradient monitoring wells that have to date not shown any impacts related to arsenic. (Those three wells are on an annual monitoring frequency, apparently). I've added the data for MW-19 and MW-20 to the data table and chart (see attached). A map is also attached.

The concentration of arsenic in the samples from both wells increased slightly since the last sampling event in the 3rd quarter of 2012. The increasing trend of arsenic in the samples from MW-20 appears to indicate that the corrective measures being implemented have not resulted in a decrease in arsenic concentrations in the groundwater. As discussed previously, the corrective action proposed by Republic to address the arsenic concentrations in groundwater was the removal of landfill gas from the subsurface. It is assumed that the removal of the landfill gas will change the geochemical conditions so that arsenic is no longer preferentially mobilized, and arsenic concentrations will revert to their normal levels. The corrective action included enhancing the landfill gas monitoring system using soil vapor extraction points and landfill gas monitoring probes. Per Hydrex, it is anticipated that it will take seven years to remediate the arsenic exceedances.

Even though the concentrations of arsenic are not decreasing, I don't suggest any change in the manner in which we are monitoring this issue. It is likely that this condition will take time to remedy and there is no cause for alarm at this point. However, if conditions do not improve within 2-3 years, we might take a different approach. In that event, the TCEQ will likely require a more aggressive remedial approach from the City to address the problem. We should continue to review the reports prepared for the City by Hydrex. And we could certainly sample the residential wells in the vicinity of the landfill again, and I think you are going to have Tim do that.

Mr. Tim Andruss
June 4, 2013
Page 2 of 2

Record Index ID

Please contact me with any questions.

Sincerely,
PASTOR, BEHLING & WHEELER, LLC

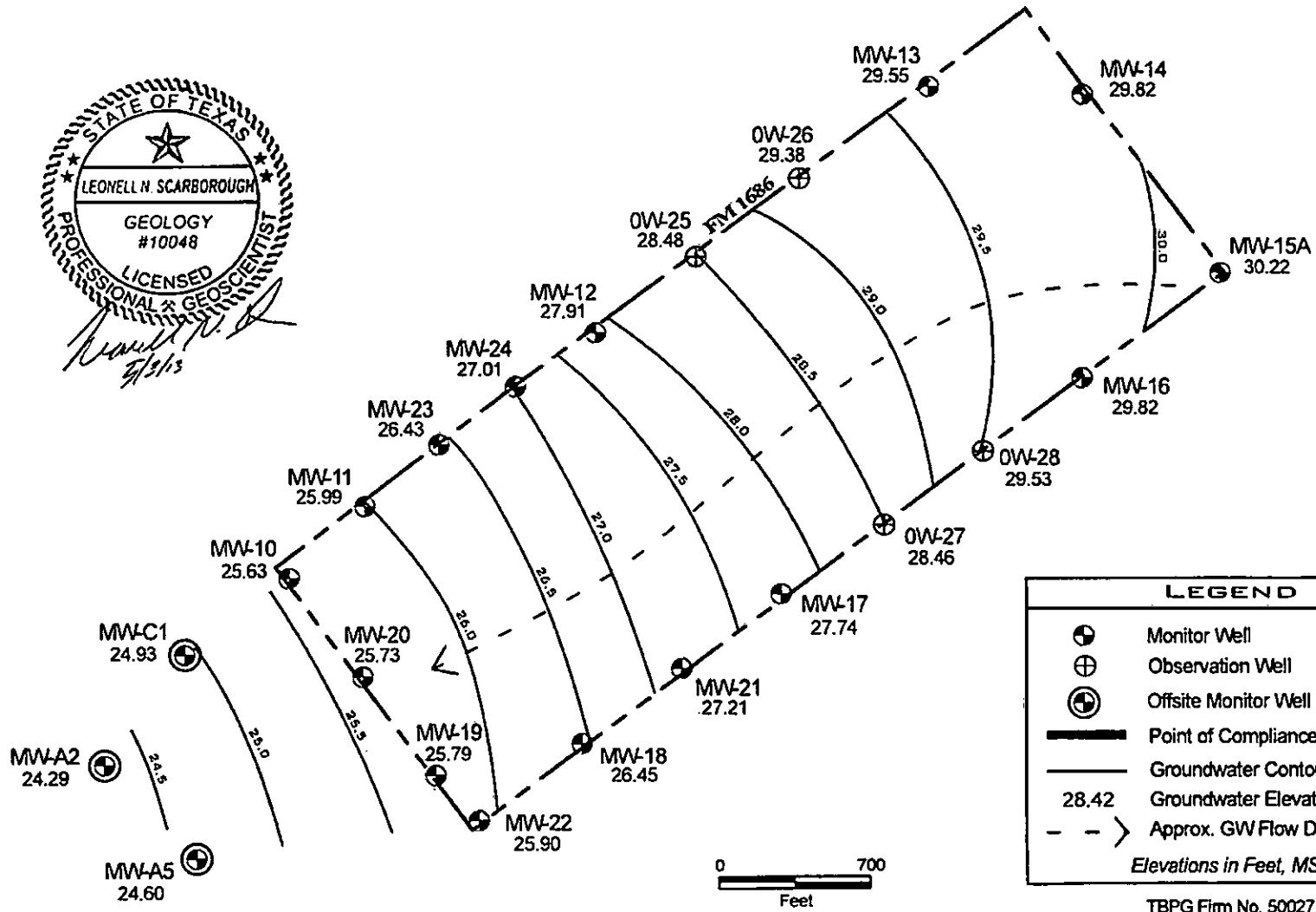
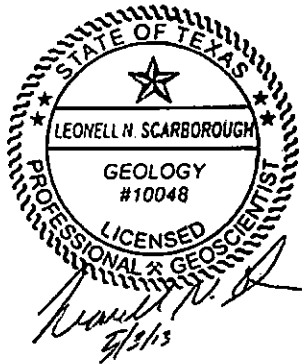
A handwritten signature in black ink, appearing to read 'M. Wickham', with a horizontal line extending to the right.

Matthew K. Wickham, P.G.
Principal Hydrogeologist

Record Index ID

ATTACHMENT A

Maps and Data



LEGEND	
	Monitor Well
	Observation Well
	Offsite Monitor Well
	Point of Compliance
	Groundwater Contour
28.42	Groundwater Elevation
	Approx. GW Flow Direction
Elevations in Feet, MSL	

TBPG Firm No. 50027

Hydrex
 ENVIRONMENTAL, INC.
 1120 NW Stallings Drive
 Nacogdoches, Texas 75964
 (936) 568-9451 Fax: (936) 568-9527

**Groundwater Contour Map
 Uppermost Aquifer
 Water Levels Measured 03/04/2013**

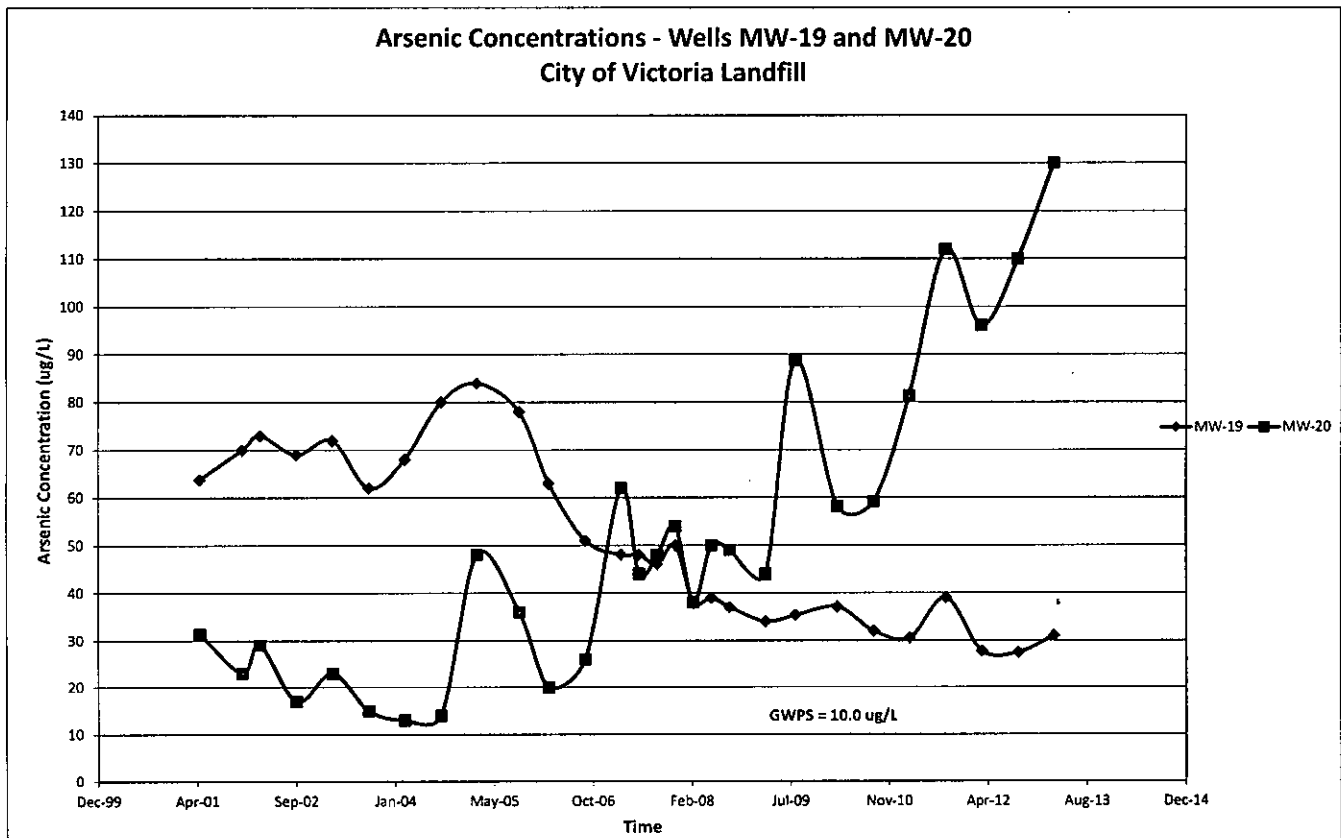
Figure 1	Job No. L-05-617
The City of Victoria Landfill MSW Permit No. 1522A Victoria County, Texas	
2013	Draftsman: MDR

Record Index ID

TABLE 1.
SUMMARY OF ARSENIC CONCENTRATIONS
CITY OF VICTORIA LANDFILL
VICTORIA COUNTY, TEXAS

Arsenic concentrations are in ug/L

SAMPLE DATE	MW-19	MW-20	MW-C1	MW-A2	MW-A5
Jun-97	50	10	--	--	--
Sep-97	40	--	--	--	--
Dec-97	44.3	--	--	--	--
Mar-98	74.4	--	--	--	--
Jun-98	80.9	--	--	--	--
Sep-98	52.2	--	--	--	--
Dec-98	48.7	--	--	--	--
Mar-99	60	--	--	--	--
Sep-99	60	--	--	--	--
Mar-00	67.3	--	--	--	--
Aug-00	66.1	--	--	--	--
May-01	63.8	31.4	--	--	--
Dec-01	70	23	--	--	--
Mar-02	73	29	--	--	--
Sep-02	69	17	--	--	--
Mar-03	72	23	--	--	--
Sep-03	62	15	--	--	--
Mar-04	68	13	--	--	--
Sep-04	80	14	--	--	--
Mar-05	84	48	--	--	--
Oct-05	78	36	--	--	--
Mar-06	63	20	--	--	--
Sep-06	51	26	--	--	--
Mar-07	48	62	--	--	--
Jun-07	48	44	--	--	--
Sep-07	46	48	--	--	--
Dec-07	50	54	--	--	--
Mar-08	38	38	--	--	--
Jun-08	39	50	--	--	--
Sep-08	37	49	--	--	--
Mar-09	34	44	--	--	--
Aug-09	35.3	88.8	--	--	--
Mar-10	37.1	58.2	--	--	--
Sep-10	32	59.2	--	--	--
Mar-11	30.5	81.4	--	--	--
Sep-11	39	112	5.67	< 5	< 5
Mar-12	27.7	96.1	< 5	< 5	< 5
Sep-12	27.4	110	< 5	< 5	< 5
Mar-13	31	130	--	--	--



Donna Yanta

From: Tim Andruss <tim.andruss@vcgcd.org>
Sent: Tuesday, June 04, 2013 11:23 AM
To: admin@vcgcd.org
Subject: FW: City of Victoria Landfill - Update
Attachments: City of Victoria Landfill - Status Update June 2013 - PBW.pdf

Print for file.

-----Original Message-----

From: Matt Wickham [<mailto:matt.wickham@pbwllc.com>]
Sent: Tuesday, June 04, 2013 11:17 AM
To: Tim Andruss / VCGCD
Subject: RE: City of Victoria Landfill - Update

Here you go.

-----Original Message-----

From: Tim Andruss / VCGCD [<mailto:tim.andruss@vcgcd.org>]
Sent: Monday, June 03, 2013 12:53 PM
To: Matt Wickham
Subject: Re: City of Victoria Landfill - Update

Matt: please send your response by letter so that it can be included in the paper file. Thanks, Tim.

Tim Andruss
General Manager
Victoria County Groundwater Conservation District
2805 N. Navarro St., Ste 210
Victoria, Texas 77901
Office: 361.579.6863
FAX: 361.579.0041
email: tim.andruss@vcgcd.org

On Jun 3, 2013, at 10:59 AM, Matt Wickham wrote:

> Tim - the report sent over by Jerry James is a semi-annual monitoring report for the landfill. Sampling was conducted in March 2013 on a subset of the monitoring wells at the facility. The wells sampled included the two on-site monitoring wells with elevated arsenic concentrations (MW-19, MW-20) but did not include the three downgradient monitoring wells that have to date not shown any impacts related to arsenic. (Those three wells are on an annual monitoring frequency, apparently). I've added the data for MW-19 and MW-20 to the data table and chart (see attached). A map is also attached.

>

> The concentration of arsenic in the samples from both wells increased slightly since the last sampling event in the 3rd quarter of 2012. The increasing trend of arsenic in the samples from MW-20 appears to indicate that the corrective measures being implemented have not resulted in a decrease in arsenic

concentrations in the groundwater. As discussed previously, the corrective action proposed by Republic to address the arsenic concentrations in groundwater was the removal of landfill gas from the subsurface. It is assumed that the removal of the landfill gas will change the geochemical conditions so that arsenic is no longer preferentially mobilized, and arsenic concentrations will revert to their normal levels. The corrective action included enhancing the landfill gas monitoring system using soil vapor extraction points and landfill gas monitoring probes. Per Hydrex, it is anticipated that it will take seven years to remediate the arsenic exceedances.

>
> Even though the concentrations of arsenic are not decreasing, I don't suggest any change in the manner in which we are monitoring this issue. It is likely that this condition will take time to remedy and there is no cause for alarm at this point. However, if conditions do not improve within 2-3 years, we might take a different approach. In that event, the TCEQ will likely require a more aggressive remedial approach from the City to address the problem. We should continue to review the reports prepared for the City by Hydrex. And we could certainly sample the residential wells in the vicinity of the landfill again, and I think you are going to have Tim do that.

>
> Contact me with any questions.

Record Index ID

>
> Regards,
> Matt

>
> Matthew K. Wickham, P.G.
> Pastor, Behling & Wheeler, LLC
> 620 E. Airline
> Victoria, TX 77901
> (361) 573-6442
> (361) 573-6449 fax
> (361) 652-1756 cell
> www.pbwllc.com

>
> This e-mail, including attachments, contains information that is confidential and may be protected by the attorney/client or other privileges. This e-mail, including attachments, constitutes non-public information intended to be conveyed only to the designated recipient(s). If you are not an intended recipient, please delete this e-mail, including attachments, and notify me. The unauthorized use, dissemination, distribution or reproduction of this e-mail, including attachments, is prohibited and may be unlawful.

>
> <City of Victoria Landfill Arsenic CHART Update June 2013.pdf><City of Victoria Landfill Arsenic TABLE Update June 2013.pdf><Base Map and Potentiometric Map.pdf>

Source_Record	Measurement_Date	Well_Registration_Number	Aquifer_Parameter	Aquifer_Measurement	Measurement_Units
WQM-20130520-01	5/20/2013 0:00	GW-000395	ORP (mV)	63.7	mV
WQM-20130522-01	5/22/2013 0:00	GW-000533	ORP (mV)	-73.4	mV
WQM-20130530-01	5/30/2013 0:00	DavidMeek Well	ORP (mV)	99.6	mV
WQM-20130530-02	5/30/2013 0:00	Meek Brothers Well 1	ORP (mV)	30.9	mV
WQM-20130530-03	5/30/2013 0:00	Meek Brothers Well 2	ORP (mV)	87.2	mV
WQM-20130604-01	6/4/2013 0:00	GW-000158	ORP (mV)	64	mV
WQM-20130604-02	6/4/2013 0:00	GW-000159	ORP (mV)	85.6	mV
WQM-20130604-03	6/4/2013 0:00	NW-000016	ORP (mV)	84.6	mV
WQM-20130604-04	6/4/2013 0:00	GW-000107	ORP (mV)	16.4	mV
WQM-20130604-05	6/4/2013 0:00	GW-000494	ORP (mV)	43.3	mV
WQM-20130611-01	6/11/2013 0:00	GW-000154	ORP (mV)	157.7	mV
WQM-20130613-01	6/13/2013 0:00	GW-000181	ORP (mV)	116.3	mV
WQM-20130613-02	6/13/2013 0:00	GW-000192	ORP (mV)	130	mV
WQM-20130613-03	6/13/2013 0:00	GW-000150	ORP (mV)	-44.3	mV
WQM-20130617-01	6/17/2013 0:00	NW-000122	ORP (mV)	107.6	mV
WQM-20130617-02	6/17/2013 0:00	GW-000237	ORP (mV)	121.9	mV
WQM-20130619-01	6/19/2013 0:00	NW-000179	ORP (mV)	136.7	mV
WQM-20130619-02	6/19/2013 0:00	Loa David	ORP (mV)	58.1	mV
WQM-20130620-01	6/20/2013 0:00	GW-000235	ORP (mV)	112	mV
WQM-20130624-01	6/24/2013 0:00	NW-000425	ORP (mV)	-39.4	mV
WQM-20130628-01	6/28/2013 0:00	NW-000030	ORP (mV)	98.9	mV
WQM-20130709-01	7/9/2013 0:00	GW-000101	ORP (mV)	-156.8	mV
WQM-20130709-02	7/9/2013 0:00	GW-000102	ORP (mV)	-104.4	mV
WQM-20130722-01	7/19/2013 0:00	GW-000190	ORP (mV)	-6.3	mV
WQM-20130722-02	7/19/2013 0:00	NW-000165	ORP (mV)	121.9	mV
WQM-20130722-03	7/19/2013 0:00	GW-000472	ORP (mV)	96.5	mV
WQM-20130723-01	7/23/2013 0:00	GW-000085	ORP (mV)	123.1	mV
WQM-20130726-01	7/26/2013 0:00	Adrian Cannady	ORP (mV)	-116.8	mV
WQM-20130731-01	7/31/2013 0:00	James Neumann	ORP (mV)	-19.5	mV
WQM-20130823-01	8/23/2013 0:00	Don & Sylvia Elkins	ORP (mV)	26	mV
WQM-20130823-02	8/23/2013 0:00	NW-000195	ORP (mV)	97.8	mV
WQM-20130823-03	8/23/2013 0:00	Martin Robles	ORP (mV)	-83.4	mV
WQM-20130830-01	8/30/2013 0:00	Wallace Brown/unk/-96.50.237 28.53.403	ORP (mV)	75.9	mV
WQM-20130909-01	9/9/2013 0:00	K.D. Mathews/unk/96.50.790 28.40.500	ORP (mV)	-28	mV
WQM-20130912-01	9/12/2013 0:00	NW-000333	ORP (mV)	125.2	mV
WQM-20130918-01	9/18/2013 0:00	GW-000033	ORP (mV)	143.2	mV
WQM-20130918-02	9/18/2013 0:00	Meek Brothers Well 1	ORP (mV)	55.4	mV
WQM-20130918-03	9/18/2013 0:00	GW-000533	ORP (mV)	-93.5	mV
WQM-20130919-01	9/19/2013 0:00	GW-000159	ORP (mV)	119.9	mV
WQM-20130919-02	9/19/2013 0:00	GW-000158	ORP (mV)	123.4	mV
WQM-20130919-03	9/19/2013 0:00	NW-000016	ORP (mV)	111.7	mV
WQM-20130919-04	9/19/2013 0:00	GW-000107	ORP (mV)	-64	mV

WQM-20130919-05	9/19/2013 0:00	GW-000472	ORP (mV)	129.2 mV
WQM-20130919-06	9/19/2013 0:00	GW-000494	ORP (mV)	166.8 mV
WQM-20130919-07	9/19/2013 0:00	GW-000271	ORP (mV)	186.3 mV
WQM-20130930-01	9/24/2013 0:00	GW-000046	ORP (mV)	32.7 mV
WQM-20130930-02	9/24/2013 0:00	GW-000047	ORP (mV)	159.8 mV
WQM-20130930-03	9/25/2013 0:00	GW-000075	ORP (mV)	122 mV
WQM-20130930-04	9/25/2013 0:00	NW-000030	ORP (mV)	128.3 mV
WQM-20130930-05	9/25/2013 0:00	GW-000492	ORP (mV)	-109.8 mV
WQM-20130930-06	9/25/2013 0:00	GW-000150	ORP (mV)	-38.6 mV
WQM-20130930-07	9/26/2013 0:00	NW-000097	ORP (mV)	-105.4 mV
WQM-20130930-08	9/26/2013 0:00	GW-000138	ORP (mV)	-60.2 mV
WQM-20131001-01	9/26/2013 0:00	NW-000179	ORP (mV)	88.2 mV
WQM-20131001-02	9/26/2013 0:00	NW-000122	ORP (mV)	138.1 mV
WQM-20131001-03	9/26/2013 0:00	NW-000425	ORP (mV)	-47.7 mV
WQM-20131001-04	9/26/2013 0:00	GW-000237	ORP (mV)	96.4 mV
WQM-20131001-05	9/26/2013 0:00	GW-000163	ORP (mV)	115.5 mV
WQM-20130927-01	9/27/2013 0:00	GW-000235	ORP (mV)	159.1 mV
WQM-20130927-02	9/27/2013 0:00	GW-000489	ORP (mV)	-73 mV
WQM-20130927-03	9/27/2013 0:00	GW-000192	ORP (mV)	136.5 mV
WQM-20130520-01	5/20/2013 0:00	GW-000395	pH	7.02
WQM-20130522-01	5/22/2013 0:00	GW-000533	pH	7.24
WQM-20130530-01	5/30/2013 0:00	David Meek Well	pH	6.93
WQM-20130530-02	5/30/2013 0:00	Meek Brothers Well 1	pH	6.96
WQM-20130530-03	5/30/2013 0:00	Meek Brothers Well 2	pH	6.86
WQM-20130604-01	6/4/2013 0:00	GW-000158	pH	6.85
WQM-20130604-03	6/4/2013 0:00	NW-000016	pH	7.02
WQM-20130604-04	6/4/2013 0:00	GW-000107	pH	6.92
WQM-20130604-05	6/4/2013 0:00	GW-000494	pH	6.87
WQM-20130604-02	6/4/2013 0:00	GW-000159	pH	7.15
WQM-20130611-01	6/11/2013 0:00	GW-000154	pH	7.07
WQM-20130613-01	6/13/2013 0:00	GW-000181	pH	6.78
WQM-20130613-02	6/13/2013 0:00	GW-000192	pH	6.99
WQM-20130613-03	6/13/2013 0:00	GW-000150	pH	6.99
WQM-20130617-01	6/17/2013 0:00	NW-000122	pH	6.84
WQM-20130617-02	6/17/2013 0:00	GW-000237	pH	6.54
WQM-20130619-01	6/19/2013 0:00	NW-000179	pH	6.66
WQM-20130619-02	6/19/2013 0:00	Loa David	pH	6.62
WQM-20130620-01	6/20/2013 0:00	GW-000235	pH	6.71
WQM-20130624-01	6/24/2013 0:00	NW-000425	pH	6.74
WQM-20130628-01	6/28/2013 0:00	NW-000030	pH	6.78
WQM-20130709-01	7/9/2013 0:00	GW-000101	pH	7.18
WQM-20130709-02	7/9/2013 0:00	GW-000102	pH	7.04
WQM-20130722-01	7/19/2013 0:00	GW-000190	pH	5.8

WQM-20130722-02	7/19/2013 0:00 NW-000165	pH	6.47
WQM-20130722-03	7/19/2013 0:00 GW-000472	pH	6.05
WQM-20130723-01	7/23/2013 0:00 GW-000085	pH	6.83
WQM-20130726-01	7/26/2013 0:00 Adrian Cannady	pH	6.57
WQM-20130731-01	7/31/2013 0:00 James Neumann	pH	7.1
WQM-20130823-01	8/23/2013 0:00 Don & Sylvia Elkins	pH	6.66
WQM-20130823-02	8/23/2013 0:00 NW-000195	pH	7.01
WQM-20130823-03	8/23/2013 0:00 Martin Robles	pH	6.82
WQM-20130830-01	8/30/2013 0:00 Wallace Brown/unk/-96.50.237 28.53.403	pH	6.51
WQM-20130909-01	9/9/2013 0:00 K.D. Mathews/unk/-96.50.790 28.40.500	pH	6.42
WQM-20130912-01	9/12/2013 0:00 NW-000333	pH	5.99
WQM-20130918-01	9/18/2013 0:00 GW-000033	pH	6.88
WQM-20130918-02	9/18/2013 0:00 Meek Brothers Well 1	pH	6.71
WQM-20130918-03	9/18/2013 0:00 GW-000533	pH	6.97
WQM-20130919-01	9/19/2013 0:00 GW-000159	pH	6.9
WQM-20130919-02	9/19/2013 0:00 GW-000158	pH	6.71
WQM-20130919-03	9/19/2013 0:00 NW-000016	pH	7.04
WQM-20130919-04	9/19/2013 0:00 GW-000107	pH	6.9
WQM-20130919-05	9/19/2013 0:00 GW-000472	pH	6.56
WQM-20130919-06	9/19/2013 0:00 GW-000494	pH	6.79
WQM-20130919-07	9/19/2013 0:00 GW-000271	pH	6.92
WQM-20130930-01	9/24/2013 0:00 GW-000046	pH	6.4
WQM-20130930-02	9/24/2013 0:00 GW-000047	pH	7
WQM-20130930-03	9/25/2013 0:00 GW-000075	pH	6.93
WQM-20130930-04	9/25/2013 0:00 NW-000030	pH	6.77
WQM-20130930-05	9/25/2013 0:00 GW-000492	pH	6.96
WQM-20130930-06	9/25/2013 0:00 GW-000150	pH	6.86
WQM-20130930-07	9/26/2013 0:00 NW-000097	pH	6.99
WQM-20130930-08	9/26/2013 0:00 GW-000138	pH	7.15
WQM-20131001-01	9/26/2013 0:00 NW-000179	pH	6.79
WQM-20131001-02	9/26/2013 0:00 NW-000122	pH	6.86
WQM-20131001-03	9/26/2013 0:00 NW-000425	pH	6.91
WQM-20131001-04	9/26/2013 0:00 GW-000237	pH	6.97
WQM-20131001-05	9/26/2013 0:00 GW-000163	pH	6.84
WQM-20130927-01	9/27/2013 0:00 GW-000235	pH	6.8
WQM-20130927-02	9/27/2013 0:00 GW-000489	pH	6.85
WQM-20130927-03	9/27/2013 0:00 GW-000192	pH	6.96
WQM-20130520-01	5/20/2013 0:00 GW-000395	TDS (g/L)	0.814 g/L
WQM-20130522-01	5/22/2013 0:00 GW-000533	TDS (g/L)	0.904 g/L
WQM-20130530-01	5/30/2013 0:00 David Meek Well	TDS (g/L)	0.715 g/L
WQM-20130530-02	5/30/2013 0:00 Meek Brothers Well 1	TDS (g/L)	0.864 g/L
WQM-20130530-03	5/30/2013 0:00 Meek Brothers Well 2	TDS (g/L)	0.831 g/L
WQM-20130604-01	6/4/2013 0:00 GW-000158	TDS (g/L)	0.517 g/L

WQM-20130604-02	6/4/2013 0:00 GW-000159	TDS (g/L)	0.696 g/L
WQM-20130604-03	6/4/2013 0:00 NW-000016	TDS (g/L)	0.666 g/L
WQM-20130604-04	6/4/2013 0:00 GW-000107	TDS (g/L)	0.665 g/L
WQM-20130604-05	6/4/2013 0:00 GW-000494	TDS (g/L)	0.762 g/L
WQM-20130611-01	6/11/2013 0:00 GW-000154	TDS (g/L)	0.55 g/L
WQM-20130613-01	6/13/2013 0:00 GW-000181	TDS (g/L)	1.039 g/L
WQM-20130613-02	6/13/2013 0:00 GW-000192	TDS (g/L)	0.844 g/L
WQM-20130613-03	6/13/2013 0:00 GW-000150	TDS (g/L)	0.873 g/L
WQM-20130617-01	6/17/2013 0:00 NW-000122	TDS (g/L)	1.295 g/L
WQM-20130617-02	6/17/2013 0:00 GW-000237	TDS (g/L)	1.059 g/L
WQM-20130619-01	6/19/2013 0:00 NW-000179	TDS (g/L)	1.426 g/L
WQM-20130619-02	6/19/2013 0:00 Loa David	TDS (g/L)	1.207 g/L
WQM-20130620-01	6/20/2013 0:00 GW-000235	TDS (g/L)	1.328 g/L
WQM-20130624-01	6/24/2013 0:00 NW-000425	TDS (g/L)	1.211 g/L
WQM-20130628-01	6/28/2013 0:00 NW-000030	TDS (g/L)	0.566 g/L
WQM-20130709-01	7/9/2013 0:00 GW-000101	TDS (g/L)	1.291 g/L
WQM-20130709-02	7/9/2013 0:00 GW-000102	TDS (g/L)	0.755 g/L
WQM-20130722-01	7/19/2013 0:00 GW-000190	TDS (g/L)	0.893 g/L
WQM-20130722-02	7/19/2013 0:00 NW-000165	TDS (g/L)	0.588 g/L
WQM-20130722-03	7/19/2013 0:00 GW-000472	TDS (g/L)	0.713 g/L
WQM-20130723-01	7/23/2013 0:00 GW-000085	TDS (g/L)	0.698 g/L
WQM-20130726-01	7/26/2013 0:00 Adrian Cannady	TDS (g/L)	0.587 g/L
WQM-20130731-01	7/31/2013 0:00 James Neumann	TDS (g/L)	0.622 g/L
WQM-20130823-01	8/23/2013 0:00 Don & Sylvia Elkins	TDS (g/L)	2.601 g/L
WQM-20130823-02	8/23/2013 0:00 NW-000195	TDS (g/L)	2.171 g/L
WQM-20130823-03	8/23/2013 0:00 Martin Robles	TDS (g/L)	1.341 g/L
WQM-20130830-01	8/30/2013 0:00 Wallace Brown/unk/-96.50.237 28.53.403	TDS (g/L)	0.331 g/L
WQM-20130909-01	9/9/2013 0:00 K.D. Mathews/unk/96.50.790 28.40.500	TDS (g/L)	5.04 g/L
WQM-20130912-01	9/12/2013 0:00 NW-000333	TDS (g/L)	1.096 g/L
WQM-20130918-01	9/18/2013 0:00 GW-000033	TDS (g/L)	0.487 g/L
WQM-20130918-02	9/18/2013 0:00 Meek Brothers Well 1	TDS (g/L)	0.894 g/L
WQM-20130918-03	9/18/2013 0:00 GW-000533	TDS (g/L)	0.914 g/L
WQM-20130919-01	9/19/2013 0:00 GW-000159	TDS (g/L)	0.679 g/L
WQM-20130919-02	9/19/2013 0:00 GW-000158	TDS (g/L)	0.506 g/L
WQM-20130919-03	9/19/2013 0:00 NW-000016	TDS (g/L)	0.649 g/L
WQM-20130919-04	9/19/2013 0:00 GW-000107	TDS (g/L)	0.649 g/L
WQM-20130919-05	9/19/2013 0:00 GW-000472	TDS (g/L)	0.684 g/L
WQM-20130919-06	9/19/2013 0:00 GW-000494	TDS (g/L)	0.743 g/L
WQM-20130919-07	9/19/2013 0:00 GW-000271	TDS (g/L)	1.01 g/L
WQM-20130930-01	9/24/2013 0:00 GW-000046	TDS (g/L)	0.663 g/L
WQM-20130930-09	9/24/2013 0:00 GW-000047	TDS (g/L)	0.625 g/L
WQM-20130930-03	9/25/2013 0:00 GW-000075	TDS (g/L)	0.767 g/L
WQM-20130930-04	9/25/2013 0:00 NW-000030	TDS (g/L)	0.564 g/L

WQM-20130930-05	9/25/2013 0:00	GW-000492	TDS (g/L)	1.088 g/L
WQM-20130930-06	9/25/2013 0:00	GW-000150	TDS (g/L)	0.87 g/L
WQM-20130930-07	9/26/2013 0:00	NW-000097	TDS (g/L)	0.385 g/L
WQM-20130930-08	9/26/2013 0:00	GW-000138	TDS (g/L)	0.504 g/L
WQM-20131001-01	9/26/2013 0:00	NW-000179	TDS (g/L)	1.423 g/L
WQM-20131001-02	9/26/2013 0:00	NW-000122	TDS (g/L)	1.293 g/L
WQM-20131001-03	9/26/2013 0:00	NW-000425	TDS (g/L)	1.19 g/L
WQM-20131001-04	9/26/2013 0:00	GW-000237	TDS (g/L)	1.062 g/L
WQM-20131001-05	9/26/2013 0:00	GW-000163	TDS (g/L)	1.201 g/L
WQM-20130927-01	9/27/2013 0:00	GW-000235	TDS (g/L)	1.353 g/L
WQM-20130927-02	9/27/2013 0:00	GW-000489	TDS (g/L)	1.547 g/L
WQM-20130927-03	9/27/2013 0:00	GW-000192	TDS (g/L)	0.843 g/L
WQM-20130520-01	5/20/2013 0:00	GW-000395	Temp (C)	23.74 Celcius
WQM-20130522-01	5/22/2013 0:00	GW-000533	Temp (C)	23.89 Celcius
WQM-20130530-01	5/30/2013 0:00	David Meek Well	Temp (C)	22.94 Celcius
WQM-20130530-02	5/30/2013 0:00	Meek Brothers Well 1	Temp (C)	23.75 Celcius
WQM-20130530-03	5/30/2013 0:00	Meek Brothers Well 2	Temp (C)	23.26 Celcius
WQM-20130604-01	6/4/2013 0:00	GW-000158	Temp (C)	24.1 Celcius
WQM-20130604-02	6/4/2013 0:00	GW-000159	Temp (C)	24.8 Celcius
WQM-20130604-03	6/4/2013 0:00	NW-000016	Temp (C)	24.5 Celcius
WQM-20130604-04	6/4/2013 0:00	GW-000107	Temp (C)	25.24 Celcius
WQM-20130604-05	6/4/2013 0:00	GW-000494	Temp (C)	23.85 Celcius
WQM-20130611-01	6/11/2013 0:00	GW-000154	Temp (C)	23.4 Celcius
WQM-20130613-01	6/13/2013 0:00	GW-000181	Temp (C)	23.41 Celcius
WQM-20130613-02	6/13/2013 0:00	GW-000192	Temp (C)	23.47 Celcius
WQM-20130613-03	6/13/2013 0:00	GW-000150	Temp (C)	23.3 Celcius
WQM-20130617-01	6/17/2013 0:00	NW-000122	Temp (C)	23.5 Celcius
WQM-20130617-02	6/17/2013 0:00	GW-000237	Temp (C)	23.68 Celcius
WQM-20130619-01	6/19/2013 0:00	NW-000179	Temp (C)	22.99 Celcius
WQM-20130619-02	6/19/2013 0:00	Loa David	Temp (C)	23.08 Celcius
WQM-20130620-01	6/20/2013 0:00	GW-000235	Temp (C)	22.85 Celcius
WQM-20130624-01	6/24/2013 0:00	NW-000425	Temp (C)	23.48 Celcius
WQM-20130628-01	6/28/2013 0:00	NW-000030	Temp (C)	23.72 Celcius
WQM-20130709-01	7/9/2013 0:00	GW-000101	Temp (C)	25.87 Celcius
WQM-20130709-02	7/9/2013 0:00	GW-000102	Temp (C)	24.8 Celcius
WQM-20130722-01	7/19/2013 0:00	GW-000190	Temp (C)	23.86 Celcius
WQM-20130722-02	7/19/2013 0:00	NW-000165	Temp (C)	24.12 Celcius
WQM-20130722-03	7/19/2013 0:00	GW-000472	Temp (C)	24.29 Celcius
WQM-20130723-01	7/23/2013 0:00	GW-000085	Temp (C)	23.41 Celcius
WQM-20130726-01	7/26/2013 0:00	Adrian Cannady	Temp (C)	23.72 Celcius
WQM-20130731-01	7/31/2013 0:00	James Neumann	Temp (C)	24.29 Celcius
WQM-20130823-01	8/23/2013 0:00	Don & Sylvia Elkins	Temp (C)	23.85 Celcius
WQM-20130823-02	8/23/2013 0:00	NW-000195	Temp (C)	28.99 Celcius

WQM-20130823-03	8/23/2013 0:00	Martin Robles	Temp (C)	24.1 Celcius
WQM-20130830-01	8/30/2013 0:00	Wallace Browm/unk/-96.50.237 28.53.403	Temp (C)	24.07 Celcius
WQM-20130909-01	9/9/2013 0:00	K.D. Mathews/unk/96.50.790 28.40.500	Temp (C)	24.35 Celcius
WQM-20130912-01	9/12/2013 0:00	NW-000333	Temp (C)	23.75 Celcius
WQM-20130918-01	9/18/2013 0:00	GW-000033	Temp (C)	23.26 Celcius
WQM-20130918-02	9/18/2013 0:00	Meek Brothers Well 1	Temp (C)	23.57 Celcius
WQM-20130918-03	9/18/2013 0:00	GW-000533	Temp (C)	23.97 Celcius
WQM-20130919-01	9/19/2013 0:00	GW-000159	Temp (C)	24.29 Celcius
WQM-20130919-02	9/19/2013 0:00	GW-000158	Temp (C)	24.13 Celcius
WQM-20130919-03	9/19/2013 0:00	NW-000016	Temp (C)	24.73 Celcius
WQM-20130919-04	9/19/2013 0:00	GW-000107	Temp (C)	25.53 Celcius
WQM-20130919-05	9/19/2013 0:00	GW-000472	Temp (C)	24.26 Celcius
WQM-20130919-06	9/19/2013 0:00	GW-000494	Temp (C)	23.87 Celcius
WQM-20130919-07	9/19/2013 0:00	GW-000271	Temp (C)	24.25 Celcius
WQM-20130930-01	9/24/2013 0:00	GW-000046	Temp (C)	23.63 Celcius
WQM-20130930-02	9/24/2013 0:00	GW-000047	Temp (C)	24.61 Celcius
WQM-20130930-03	9/25/2013 0:00	GW-000075	Temp (C)	23.82 Celcius
WQM-20130930-04	9/25/2013 0:00	NW-000030	Temp (C)	23.7 Celcius
WQM-20130930-05	9/25/2013 0:00	GW-000492	Temp (C)	23.84 Celcius
WQM-20130930-06	9/25/2013 0:00	GW-000150	Temp (C)	23.34 Celcius
WQM-20130930-07	9/26/2013 0:00	NW-000097	Temp (C)	23.38 Celcius
WQM-20130930-08	9/26/2013 0:00	GW-000138	Temp (C)	24.08 Celcius
WQM-20131001-01	9/26/2013 0:00	NW-000179	Temp (C)	22.94 Celcius
WQM-20131001-02	9/26/2013 0:00	NW-000122	Temp (C)	23.22 Celcius
WQM-20131001-03	9/26/2013 0:00	NW-000425	Temp (C)	23.39 Celcius
WQM-20131001-04	9/26/2013 0:00	GW-000237	Temp (C)	23.59 Celcius
WQM-20131001-05	9/26/2013 0:00	GW-000163	Temp (C)	23.74 Celcius
WQM-20130927-01	9/27/2013 0:00	GW-000235	Temp (C)	22.85 Celcius
WQM-20130927-02	9/27/2013 0:00	GW-000489	Temp (C)	24.61 Celcius
WQM-20130927-03	9/27/2013 0:00	GW-000192	Temp (C)	23.48 Celcius

Fiscal Year 2012 - 2013 Annual Report
Attachment 09

14.0 - General Manager Report

14.0 - General Manager Report – Texas Legislature Interim Charges, Regional Water Planning, Victoria County Groundwater Advisory Committee Update, District Registration and Permitting Update, Aquifer Monitoring Update, Complaints and Investigations, Office Administration, Calendar of Events, and Future Agenda Items

Texas Legislature Interim Charges

Regional Water Planning:

GMA 15 meet on October 10, 2012 at 9:30 AM in Victoria. The meeting focused on agency communication, administrative matters, approaches to measure and assess achievement/compliance with DFCs. In the future, TGCD will be asked to consider entering into an interlocal agreement to support and fund GMA 15's future planning activities . The next meeting of GMA 15 is scheduled for January 10, 2013.

Region L is schedule to meet on November 5, 2012 in San Antonio. The District has received responses from Mr. Galen Franz and Mr. Stephen Diebel regarding future irrigation to be used in deve oping a submittal to Region L regarding projects of diminishing irrigation demands.

Victoria County Groundwater Advisory Committee Update:

Committee members are presently working on providing feedback to Dr. Young regarding preferences on future research projects. The next meeting of the Committee in to be determined.

District Registration and Permitting Update: See attached report.

Aquifer Monitoring Update:

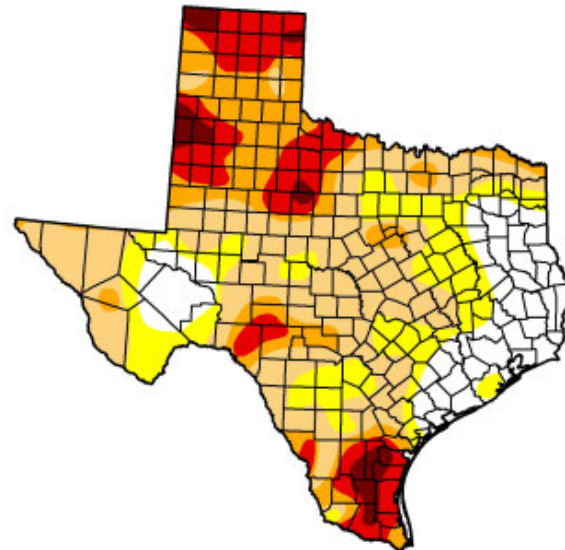
U.S. Drought Monitor

Texas

October 9, 2012
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	16.50	83.50	65.38	31.79	15.88	3.23
Last Week (10/02/2012 map)	16.69	83.31	65.97	32.55	16.16	3.23
3 Months Ago (07/10/2012 map)	4.49	95.51	77.23	39.41	9.09	0.00
Start of Calendar Year (12/27/2011 map)	0.01	99.99	97.83	84.81	67.32	32.36
Start of Water Year (09/25/2012 map)	9.13	90.87	78.73	57.41	24.91	5.18
One Year Ago (10/04/2011 map)	0.00	100.00	100.00	99.16	96.99	87.99



Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



Released Thursday, October 11, 2012
Matthew Rosencrans, NOAA/NWS/NCEP/CPC

<http://droughtmonitor.unl.edu>

Complaints and Investigations

Office Administration:

Databank IMX completed the on-site conversion of the District's paper files to scanned files on October 18, 2012. Databank anticipates completing the project by the end of October 2012.

Calendar of Events:

- South Texas Farm and Ranch Show, October 24 - 25, 2012
- GSA BBASC Meeting, October 30, 2012, Victoria Texas
- TAGD Quarterly Meeting, October 30 and 31, 2012 in Conroe, Texas.
- Region L RWPG Meeting, November 1, 2012 in San Antonio, Texas.
- Water Law Conference, November 1 and 2, 2012 in Austin, Texas.
- TGCD Meeting, November 15, 2012 in Edna, Texas.
- VCGCD Meeting, November 16, 2012 in Victoria, Texas

Future Agenda Items

11.0 - General Manager Report

11.0 - General Manager Report – Texas Legislature Interim Charges, Regional Water Planning, Victoria County Groundwater Advisory Committee Update, District Registration and Permitting Update, Aquifer Monitoring Update, Complaints and Investigations, Office Administration, Calendar of Events, and Future Agenda Items

Texas Legislature Interim Charges

Regional Water Planning:

The next meeting of GMA 15 is scheduled for January 10, 2013.

HDR, the technical consultants for Region L RWPG, have been informed of the LNRA Groundwater Desalination Feasibility Study and the City of Victoria/LNRA/GBRA ASR Study as these may have an impact on regional water planning efforts in the Jackson and Victoria County areas.

Victoria County Groundwater Advisory Committee Update:

The next meeting of the Committee is to be determined.

District Registration and Permitting Update: See attached report.

Aquifer Monitoring Update:

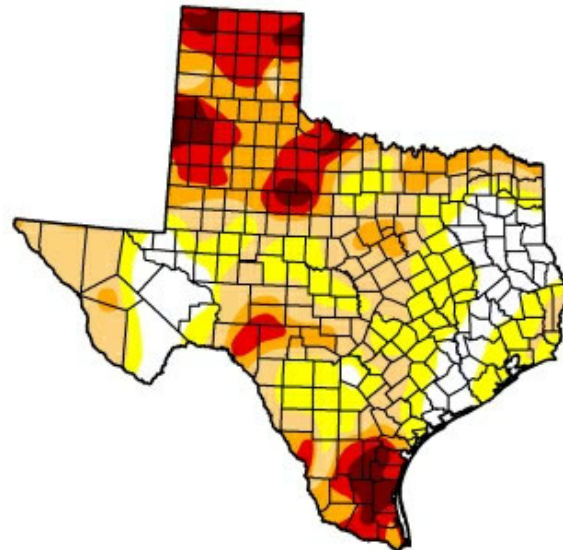
U.S. Drought Monitor

Texas

November 6, 2012
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	15.44	84.56	59.90	33.55	16.98	4.68
Last Week (10/30/2012 map)	15.36	84.64	57.86	31.61	16.23	3.67
3 Months Ago (08/07/2012 map)	11.39	88.61	75.21	39.96	10.86	0.75
Start of Calendar Year (12/27/2011 map)	0.01	99.99	97.83	84.81	67.32	32.36
Start of Water Year (09/25/2012 map)	9.13	90.87	78.73	57.41	24.91	5.18
One Year Ago (11/01/2011 map)	0.00	100.00	100.00	98.18	90.42	64.95



Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



Released Thursday, November 8, 2012

David Miskus, Climate Prediction Center/NCEP/NWS/NOAA

<http://droughtmonitor.unl.edu>

Complaints and Investigations

Office Administration:

Databank anticipates completing the project by the end of October 2012. Several implementation issues are being investigated.

Calendar of Events:

- Thanksgiving Holiday - November 22 and 23, 2012
- TAGD Executive Committee Retreat - December 4 and 5, 2012
- TAGD Legislative Committee Meeting - December 5, 2012
- VCGCD December Meeting - December 21, 2012

Future Agenda Items

10.0 - General Manager Report

10.0 - General Manager Report – Texas Legislature Interim Charges, Regional Water Planning, Victoria County Groundwater Advisory Committee Update, District Registration and Permitting Update, Aquifer Monitoring Update, Complaints and Investigations, Office Administration, Calendar of Events, and Future Agenda Items

Texas Legislature Interim Charges

Regional Water Planning:

The next meeting of GMA 15 is scheduled for January 10, 2013.

Victoria County Groundwater Advisory Committee Update:

The next meeting of the Committee is to be determined.

District Registration and Permitting Update: See attached report.

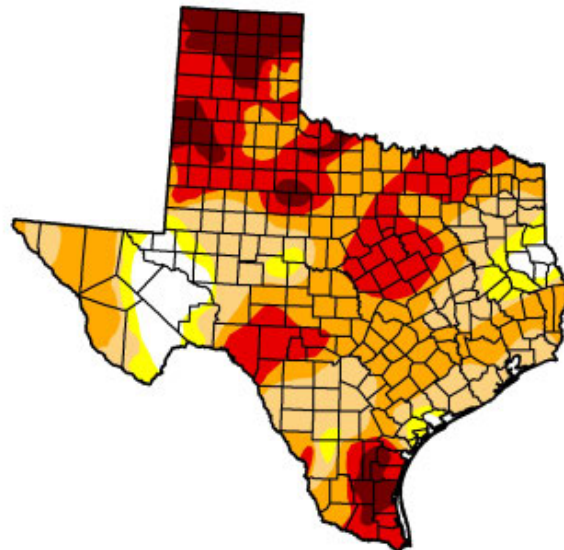
Aquifer Monitoring Update:

U.S. Drought Monitor
Texas

December 11, 2012
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	5.91	94.09	87.72	65.04	32.22	8.45
Last Week (12/04/2012 map)	6.16	93.84	82.20	59.27	27.40	8.45
3 Months Ago (09/11/2012 map)	7.26	92.74	76.50	52.10	23.13	4.80
Start of Calendar Year (12/27/2011 map)	0.01	99.99	97.83	84.81	67.32	32.36
Start of Water Year (09/25/2012 map)	9.13	90.87	78.73	57.41	24.91	5.18
One Year Ago (12/06/2011 map)	0.00	100.00	99.83	90.33	76.55	43.29



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://droughtmonitor.unl.edu>



Released Thursday, December 13, 2012
Rich Tinker, Climate Prediction Center/NCEP/NWS/NOAA

Complaints and Investigations

Office Administration:

Databank: Several implementation issues are being investigated.

Calendar of Events:

- Office Holiday and Staff Vacation: December 24 - 28, 2012
- Office Holiday: January 1, 2013
- GMA 15 Meeting: January 10, 2013
- VCGCD Board Meeting: January 18, 2013

Future Agenda Items

11.0 - General Manager's Report.

Legislative Session: See attached Bil Tracking Report

Regional Water Planning: The GMA 15 Meeting is scheduled for February 14, 2013.

Victoria County Groundwater Advisory Committee Update:
The next meeting of the Committee is to be determined.

District Registration and Permitting Update: See attached report.

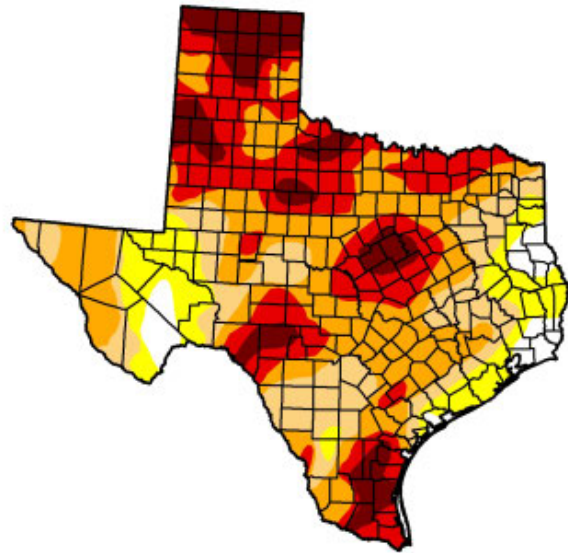
Aquifer Monitoring Update:

U.S. Drought Monitor

Texas

January 8, 2013
Valid 7 a.m. EST

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	4.29	95.71	83.78	65.85	34.79	11.41
Last Week (01/01/2013 map)	3.04	96.96	87.00	65.39	35.03	11.96
3 Months Ago (10/09/2012 map)	16.50	83.50	65.38	31.79	15.88	3.23
Start of Calendar Year (01/01/2013 map)	3.04	96.96	87.00	65.39	35.03	11.96
Start of Water Year (09/25/2012 map)	9.13	90.87	78.73	57.41	24.91	5.18
One Year Ago (01/03/2012 map)	0.01	99.99	97.83	84.81	67.32	32.40



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://droughtmonitor.unl.edu>



Released Thursday, January 10, 2013
David Simeral, Western Regional Climate Center

Complaints and Investigations:

Office Administration:

Calendar of Events:

- GMA 15 Meeting: February 14, 2013
- VCGCD Meeting: February 16, 2013

Future Agenda Items

10.0 - General Manager's Report.

Legislative Session: See attached Bil Tracking Report

Regional Water Planning: The next GMA 15 Meeting is scheduled for April 11, 2013. Meeting focussed on addressing the requirements of

Victoria County Groundwater Advisory Committee Update:
The next meeting of the Committee is to be determined.

District Registration and Permitting Update: See attached report.

Aquifer Monitoring Update:

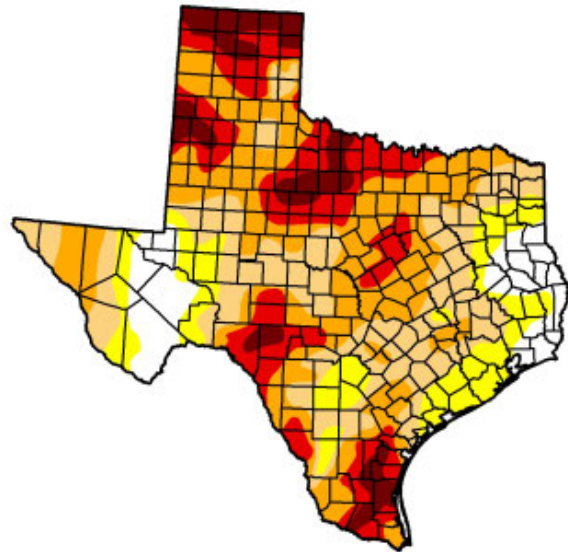
U.S. Drought Monitor
Texas

February 5, 2013
Valid 7 a.m. EST

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	9.52	90.48	77.26	52.64	23.72	7.79
Last Week (01/29/2013 map)	10.38	89.62	76.15	51.20	22.12	6.57
3 Months Ago (11/06/2012 map)	15.44	84.56	59.90	33.55	16.98	4.68
Start of Calendar Year (01/01/2013 map)	3.04	96.96	87.00	65.39	35.03	11.96
Start of Water Year (09/25/2012 map)	9.13	90.87	78.73	57.41	24.91	5.18
One Year Ago (01/31/2012 map)	4.93	95.07	90.66	80.78	59.79	27.36

Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://droughtmonitor.unl.edu>



Released Thursday, February 7, 2013
Michael Brewer, National Climatic Data Center, NOAA

Complaints and Investigations:

Office Administration:

Calendar of Events:

- Region L Meeting: March 14, 2013
- VCGCD Meeting: March 17, 2013
- GMA 15 Meeting: April 11, 2013

Future Agenda Items:



12.0 - General Manager's Report.

Legislative Session: See attached Bill Tracking Report

Regional Water Planning:

- GMA 15
 - The previous GMA 15 Meeting was held on February 14, 2013
 - Communication with Member Districts, Regional Planning Group Representatives, and TWDB
 - Administrative Matters: By-Laws and Cost Sharing Agreement
 - Review of District Management Plans
 - The next GMA 15 Meeting is scheduled for April 11, 2013.
 - Administrative Matters: By-Laws and Cost Sharing Agreement
 - Review to District Achievements/District Annual Reports
 - Review of Consultant Proposals
- Region L
 - The previous Region L meeting was held on March 14, 2013
 - Legislative Activities
 - Population Related Water Demands
 - Feasible Water Management Strategies
 - The next Region L Meeting is scheduled for <<NEXT REGION L MEETING DATE>>.
 - Eagle Ford Shale Population Study

Victoria County Groundwater Advisory Committee Update:

The next meeting of the Committee is to be determined.

District Registration and Permitting Update: See attached report.

Aquifer Monitoring Update:

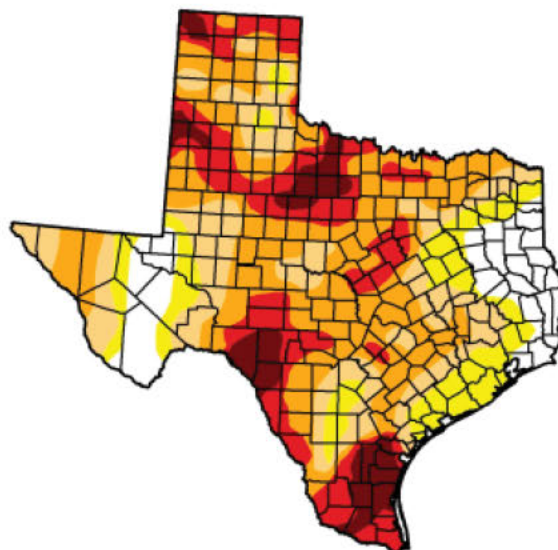
U.S. Drought Monitor

Texas

March 5, 2013
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	11.15	88.85	76.29	55.62	23.86	7.41
Last Week (02/26/2013 map)	11.29	88.71	75.11	49.85	22.02	5.17
3 Months Ago (12/04/2012 map)	6.16	93.84	82.20	59.27	27.40	8.45
Start of Calendar Year (01/01/2013 map)	3.04	96.96	87.00	65.39	35.03	11.96
Start of Water Year (09/25/2012 map)	9.13	90.87	78.73	57.41	24.91	5.18
One Year Ago (02/28/2012 map)	6.05	93.95	85.21	67.48	38.68	14.75



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



Released Thursday, March 7, 2013

<http://droughtmonitor.unl.edu>

Matthew Rosencrans, NOAA/NWS/NCEP/Climate Prediction Center

Complaints and Investigations:

CID-20130304-01: The District received a complaint concerning concerning possible illegal water well drilling activities. Upon investigation, it was determined that a landowner, Mr. Thieme, is drilling and completing a replacement water well. Although the landowner had not applied for the required registration and permits prior to initiating the drilling activity, the landowner has submitted necessary applications to register the grandfathered water well and a permit to replace the well. The landowner was informed of the well spacing, competition, and reporting requirements associated with water well drilling in Victoria County.

Office Administration:

Calendar of Events:

- GMA 15 Meeting: April 11, 2013
- VCGCD Meeting: April 19, 2013 | May 17, 2013 | June 21, 2013 | July 19, 2013 | August 16, 2013

Future Agenda Items

13.0 - General Manager's Report.

Legislative Session: See attached Bill Tracking Report

Regional Water Planning:

- GMA 15
 - The previous GMA 15 Meeting was held on April 11, 2013
 - No new business
 - The next GMA 15 Meeting is scheduled for July 11, 2013.
 - Review to District Achievements/District Annual Reports
 - Review of Consultant Proposals
- Region L
 - The previous Region L meeting was held on March 14, 2013
 - Legislative Activities
 - Population Related Water Demands
 - Feasible Water Management Strategies
 - The next Region L Meeting is scheduled for May 2, 2013.
 - Eagle Ford Shale Population Study - Presentation May 1, 2013.

Victoria County Groundwater Advisory Committee Update:

The next meeting of the Committee is to be determined.

District Registration and Permitting Update: See attached report.

Aquifer Monitoring Update:

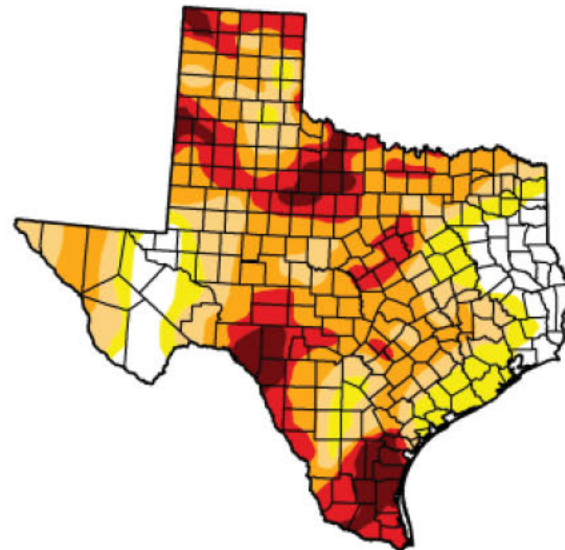
U.S. Drought Monitor

Texas

March 5, 2013
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	11.15	88.85	76.29	55.62	23.86	7.41
Last Week (02/26/2013 map)	11.29	88.71	75.11	49.85	22.02	5.17
3 Months Ago (12/04/2012 map)	6.16	93.84	82.20	59.27	27.40	8.45
Start of Calendar Year (01/01/2013 map)	3.04	96.96	87.00	65.39	35.03	11.96
Start of Water Year (09/25/2012 map)	9.13	90.87	78.73	57.41	24.91	5.18
One Year Ago (02/28/2012 map)	6.05	93.95	85.21	67.48	38.68	14.75



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



<http://droughtmonitor.unl.edu>

Released Thursday, March 7, 2013
Matthew Rosencrans, NOAA/NWS/NCEP/Climate Prediction Center

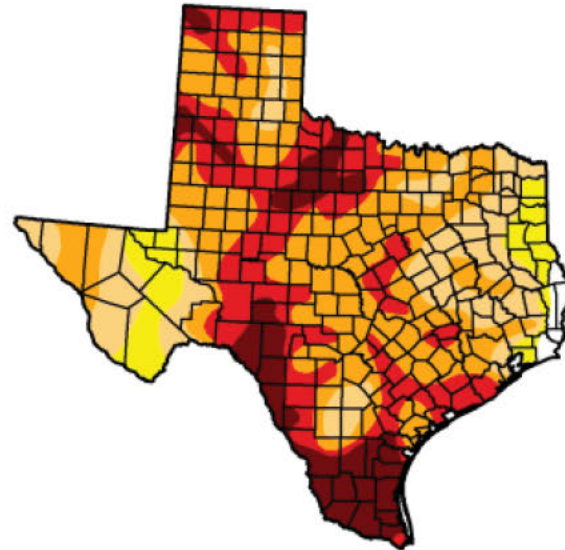
U.S. Drought Monitor

Texas

April 16, 2013
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	1.29	98.71	91.31	72.30	34.82	12.19
Last Week (04/09/2013 map)	0.44	99.56	89.44	69.35	29.91	11.56
3 Months Ago (01/15/2013 map)	9.48	90.52	74.01	50.49	20.84	6.72
Start of Calendar Year (01/01/2013 map)	3.04	96.96	87.00	65.39	35.03	11.96
Start of Water Year (09/25/2012 map)	9.13	90.87	78.73	57.41	24.91	5.18
One Year Ago (04/10/2012 map)	17.41	82.59	64.60	51.55	31.15	13.42



Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



Released Thursday, April 18, 2013

David Miskus, NOAA/NWS/NCEP/Climate Prediction Center

<http://droughtmonitor.unl.edu>

Complaints and Investigations:

CID-20130304-01: The District received a complaint concerning concerning possible illegal water well drilling activities. Upon investigation, it was determined that a landowner, Mr. Thieme, is drilling and completing a replacement water well. Although the landowner had not applied for the required registration and permits prior to initiating the drilling activity, the landowner has submitted necessary applications to register the grandfathered water well and a permit to replace the well. The landowner was informed of the well spacing, completion, and reporting requirements associated with water well drilling in Victoria County.

Office Administration:

Calendar of Events:

- Region L - May 2, 2013
- VCGCD Meeting: May 17, 2013 | June 21, 2013 | July 19, 2013 | August 16, 2013

08.0 - General Manager's Report.

Texas Legislative Session: District continues to monitor bills related to "brackish water", ASR, and other issues that could impact groundwater management in Victoria County.

Regional Water Planning: Region L is accepting nominations for a number of member positions expiring in 2013. Nominations must be delivered by June 21, 2013.

Victoria County Groundwater Advisory Committee Update:
The next meeting of the Committee is to be determined.

District Registration and Permitting Update: See attached report.

Groundwater Permitting by Type:

Validated Historic Use:	26,117.26 Ac-Ft
Non-Historic Use:	1465.68 Ac-Ft
Total:	27582.94 Ac-Ft

Aquifer Monitoring Update:

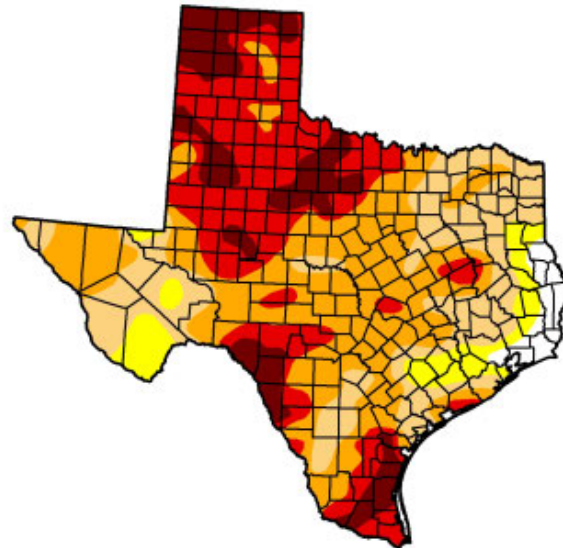
U.S. Drought Monitor

Texas

May 14, 2013
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	2.84	97.16	90.55	68.71	36.09	12.05
Last Week (05/07/2013 map)	1.45	98.55	92.13	72.82	40.58	12.88
3 Months Ago (02/12/2013 map)	10.84	89.16	75.62	50.05	24.83	7.79
Start of Calendar Year (01/01/2013 map)	3.04	96.96	87.00	65.39	35.03	11.96
Start of Water Year (09/25/2012 map)	9.13	90.87	78.73	57.41	24.91	5.18
One Year Ago (05/08/2012 map)	17.80	82.20	65.93	48.16	23.57	7.38



Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://droughtmonitor.unl.edu>



Released Thursday, May 16, 2013

Rich Tinker, Climate Prediction Center/NCEP/NWS/NOAA

Complaints and Investigations:

Office Administration:

Calendar of Events:

- GMA 15 Meeting: June 13, 2013
- VCGCD Meeting (Special Called): May 31, 2013
- VCGCD Meeting: June 21, 2013

Future Agenda Items

10.0 - General Manager's Report.

Legislative Session:

Regional Water Planning: The representatives of GMA 15 identified ntera nc. as the preferred respondent to the GMA 15 RFP for professional services. DBS&A was identified as the alternate preferred respondent. Art Dohmann, Jim Brasher, and Tim Andruss will attempt to negotiate terms to an agreement for consideration at a later date.

Victoria County Groundwater Advisory Committee Update:

The next meeting of the Committee is to be determined.

District Registration and Permitting Update: See attached report.

Aquifer Monitoring Update:

The District continues to make progress on deve oping the expanded monitoring network (70 - 80 wells) and has recently co llected groundwater samples related to the arsenic contamination issue associated with the andfill.

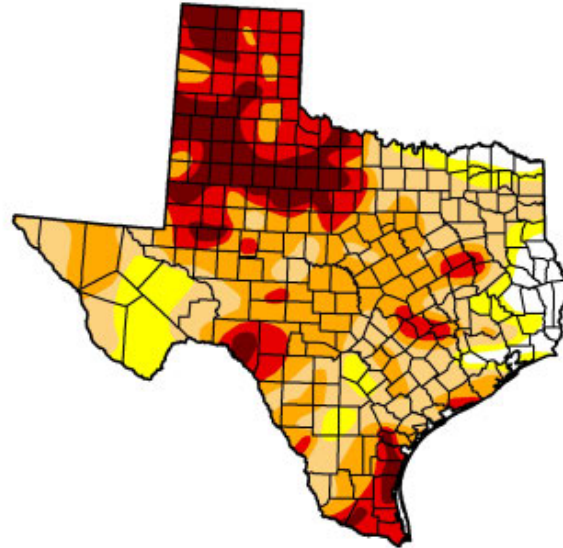
U.S. Drought Monitor

Texas

June 18, 2013
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	4.76	95.24	84.82	58.48	29.43	11.83
Last Week (06/11/2013 map)	5.44	94.56	84.18	59.45	32.36	14.85
3 Months Ago (03/19/2013 map)	3.64	96.36	85.02	59.53	28.30	9.88
Start of Calendar Year (01/01/2013 map)	3.04	96.96	87.00	65.39	35.03	11.96
Start of Water Year (09/25/2012 map)	9.13	90.87	78.73	57.41	24.91	5.18
One Year Ago (06/12/2012 map)	9.65	90.35	68.38	26.34	8.13	0.15



Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://droughtmonitor.unl.edu>



Released Thursday, June 20, 2013
National Drought Mitigation Center,

Complaints and Investigations:

Office Administration: VCGCD wil transition to Ms. Ozment, CPA for payroll processing services beginning in July 2013.

Calendar of Events:

- GMA 15 Meeting: July 11, 2013
- VCGCD Meeting: July 19, 2013

Future Agenda Items:

12.0 - General Manager's Report.

Legislative Session: None.

Regional Water Planning:

Victoria County Groundwater Advisory Committee Update: The next meeting of the committee is scheduled for August 7, 2013 at 5:30 PM.

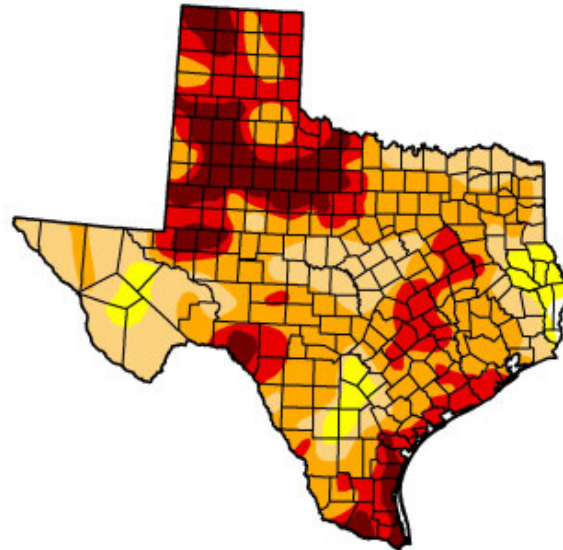
District Registration and Permitting Update: See attached summary reports regarding applications and production permitting. Preliminary permit applications have been submitted by the South Texas Electrical Cooperative, Victoria County Navigation District, InVista for review and comment.

Aquifer Monitoring Update:

U.S. Drought Monitor
Texas

July 16, 2013
Valid 7 a.m. EST

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.30	99.70	94.38	70.99	33.43	12.07
Last Week (07/09/2013 map)	0.58	99.42	91.80	75.22	34.70	12.20
3 Months Ago (04/16/2013 map)	1.29	98.71	91.31	72.30	34.82	12.19
Start of Calendar Year (01/01/2013 map)	3.04	96.96	87.00	65.39	35.03	11.96
Start of Water Year (09/25/2012 map)	9.13	90.87	78.73	57.41	24.91	5.18
One Year Ago (07/10/2012 map)	4.49	95.51	77.23	39.41	9.09	0.00



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://droughtmonitor.unl.edu>



Released Thursday, July 18, 2013
Richard Heim, National Climatic Data Center, NOAA

Complaints and Investigations:

The District received a complaint on July 17, 2013, regarding the drilling of a water well in violation of the District's and State's spacing requirements.

Office Administration:

By close of business July 18, 2013, the District's comments regarding the City of Victoria's surface water right amendments will be submitted to TCEQ. The following message was provided to Mr. Jerry James of the City of Victoria:

From: Tim Andruss / VCGCD <tim.andruss@vcgcd.org>
Subject: VCGCD comments regarding COV amendments with groundwater exchange provisions
Date: July 17, 2013 8:10:47 PM CDT
To: Jerry James <james@victoriatx.org>
Cc: Jim Allison <_allison@alison-bass.com>

Jerry: I have attached language from letters I intend to submit to TCEQ on Friday on behalf of the District under the signature of Jim Allison and myself. I will be available by phone (361-648-9762) tonight, tomorrow morning before 8:30 AM, and after 12:00 PM tomorrow. Tim.

The letters contain the following language regarding waste:

The Victoria County Groundwater Conservation District is a political subdivision organized pursuant to Chapter 8812, Special District Local Laws Code, with boundaries coextensive with the boundaries of Victoria County, Texas. Pursuant to Chapter 36, Water Code, groundwater districts are created 'to provide for the conservation, preservation, protection, recharging, and prevention of waste of groundwater...' Section 36.0015 (emphasis added). Under Section 36.001(8)(E), Water Code, the definition of waste includes 'willfully or negligently causing, suitering, or allowing groundwater to escape into any river, creek, natural watercourse, depression, lake, reservoir, drain, sewer, street, highway, road, or road ditch, or onto any land other than that of the owner of the well unless such discharge is authorized by permit, rule or order issued by the commission under Chapter 26.' Clearly, the Victoria County Groundwater Conservation District has a statutory duty to prevent waste of groundwater within its boundaries. The application and draft amendment would allow the discharge of groundwater into the Guadalupe River without the required permit, rule, or order issued by the commission under Chapter 26. The proposed discharge of groundwater into the Guadalupe River without compliance with Chapter 26 would constitute waste in violation of Chapter 36. The draft amendment does not contain any reference to any permit, rule, or order issued under Chapter 26. Any discharge of

groundwater under the proposed amended certificate may constitute waste under Chapter 36 of the Texas Water Code and may be considered as violations of the Water Code and the Districts rules.

The letters contain the following language regarding requested additions and modifications to the permit and certificate amendments:

G. Owner ~~shall may~~ only exercise the authorization to divert state water ~~under this certificate of adjudication~~ and replace the diversion with discharged groundwater under the following conditions:

~~1.a) Streamflow conditions do not meet the requirements in Special Condition A.-D. Diversion of state water is not authorized under Special Condition A; and,~~

~~1.b) Diversion of state water is prohibited under Special Condition B; and,~~

~~1.c) Diversion of state water is prohibited under Special Condition C; and,~~

~~1.d) Diversion of state water is not authorized under Special Condition D.~~

2.a) Drought conditions in the watershed below Canyon Lake Dam are classified as at least moderate by the National Drought Mitigation Center; or,

~~32.b) Streamflow~~ flows at USGS Gage No. 08176500 are below the 33rd percentile of the available period of record as calculate at the time the diversion replacement occurs; or,

~~42.c) Below normal precipitation in the watershed below Canyon Lake Dam for the proceeding three month period as reported as reported in the Texas Climatic Bulletin (Office of the Texas State Climatologist).~~

H. Owner shall maintain records of surface water diverted and groundwater discharged and provide those records to the South Texas Watermaster ~~and the Victoria County Groundwater Conservation District~~ on a weekly basis during times that the City is replacing diverted surface water with groundwater.

I. Owner's right to divert streamflow of the Guadalupe River and replace that streamflow with discharged groundwater pursuant to Special Condition G. ~~may be modified or~~ suspended at any time

by the Watermaster or other Executive Director shall if any modifications or suspensions are deemed necessary.

J. Owner shall install and maintain ~~a measuring device devices~~ which accounts for, within 5% accuracy, the quantity of water diverted and ~~groundwater discharged~~ and Owner shall maintain the measurement records. ~~Permittee~~ Owner shall allow representatives of the TCEQ South Texas Watermaster ~~and the Victoria County Groundwater Conservation District~~ reasonable access to the property to inspect ~~the~~ measuring devices and records.

Tim Andrus
General Manager
Victoria County Groundwater Conservation District
2805 N. Navarro St., Ste 210
Victoria, Texas 77901
Office: 361.579.6863
FAX: 361.579.0041
email: tim.andrus@vcgcd.org

Calendar of Events:

- ASR Meeting: July 24, 2013
- Calhoun County GCD Meeting: July 31, 2013 at 9:00 AM (Tentative)
- Region L Meeting: August 1, 2013
- VCGAC Meeting: August 7, 2013 at 5:30 PM
- VCGCD Meeting: August 16, 2013
- TAGD GW Summit: August 27 - 29, 2013

Future Agenda Items:

18.0 - General Manager's Report.

Regional Water Planning: None.

Victoria County Groundwater Advisory Committee Update:

The committee held a meeting on August 8, 2013 to consider two matters: Dr. Uddameri's study related to the concept of a "conservation allowance program" and the 2013 Victoria County Groundwater Conservation District Management Plan - Proposed.

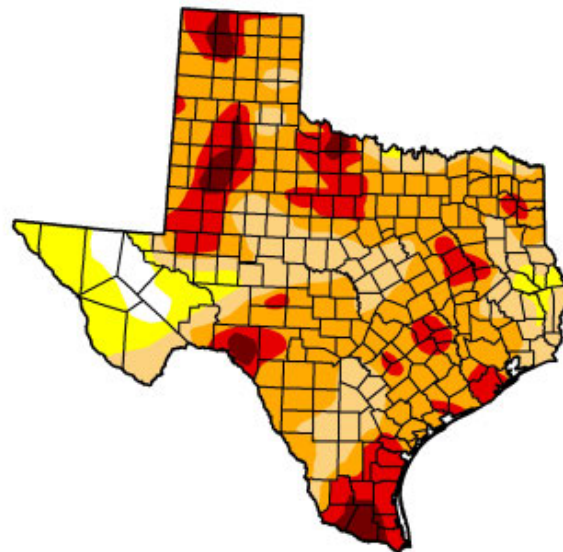
District Registration and Permitting Update: See attached report.

Aquifer Monitoring Update:

U.S. Drought Monitor
Texas

August 13, 2013
Valid 7 a.m. EST

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	2.82	97.18	87.90	65.92	20.64	3.84
Last Week (08/06/2013 map)	1.72	98.28	88.38	67.69	25.80	6.24
3 Months Ago (05/14/2013 map)	2.84	97.16	90.55	68.71	36.09	12.05
Start of Calendar Year (01/01/2013 map)	3.04	96.96	87.00	65.39	35.03	11.96
Start of Water Year (09/25/2012 map)	9.13	90.87	78.73	57.41	24.91	5.18
One Year Ago (08/07/2012 map)	11.39	88.61	75.21	39.96	10.86	0.75



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://droughtmonitor.unl.edu>



Released Thursday, August 15, 2013
Michael Brewer, National Climatic Data Center, NOAA

Complaints and Investigations: See agenda items 8 and 9 of the VCGCD Meeting for August 16, 2013.

Office Administration:

Calendar of Events:

- VCGCD Board Meeting 1st 2013 Tax Rate Hearing: August 30, 2013
- VCGCD Board Meeting 2nd 2013 Tax Rate Hearing and VCGCD Draft Rules Workshop: September 6, 2013
- VCGAC Committee Meeting: September 11, 2013
- VCGAC Board Meeting: September 20, 2013

Future Agenda Items: Enforcement Policy, FY13-14 Budget, 2013 Tax Rate, Draft Rules

22.0 - General Manager's Report.

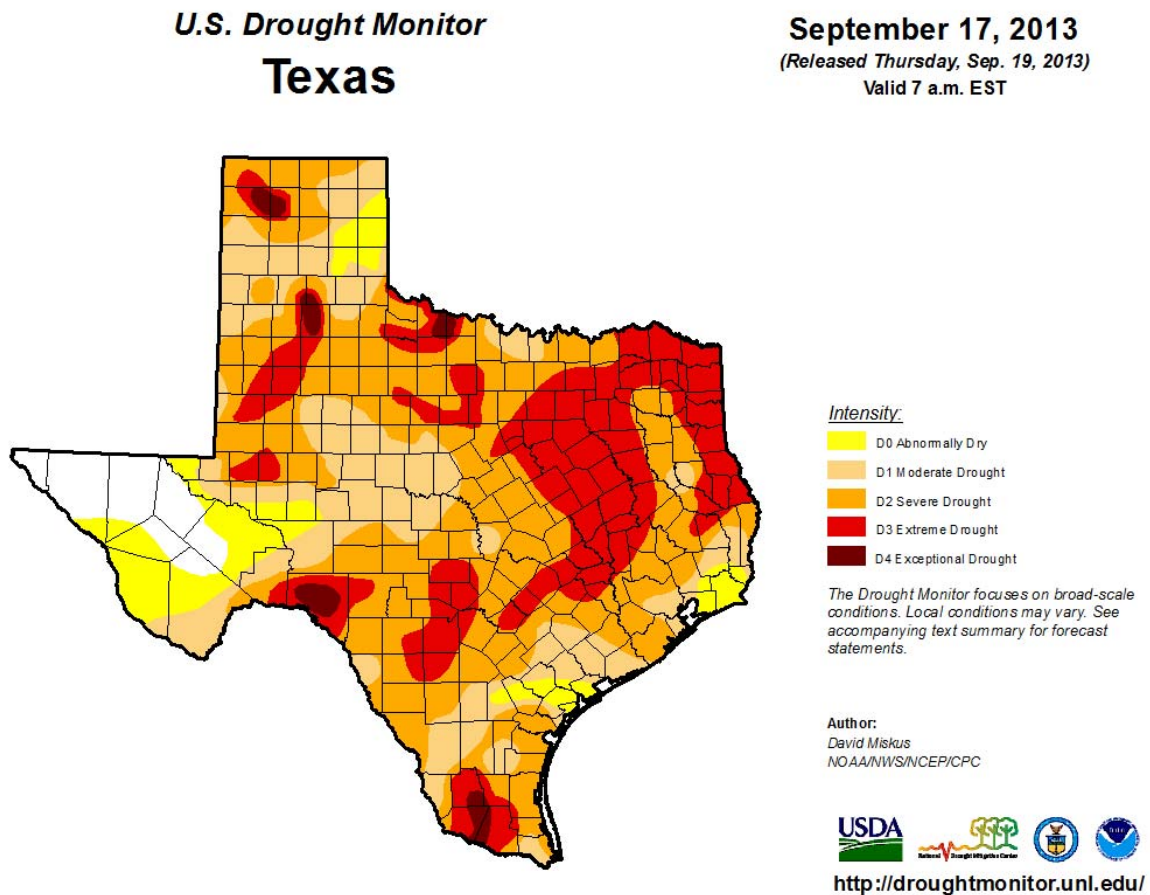
Regional Water Planning: The GMA 15 Meeting is scheduled for October 10, 2013

Victoria County Groundwater Advisory Committee Update:
The next meeting of the Committee is to be determined.

District Registration and Permitting Update: See attached report.

Aquifer Monitoring Update:

The District will be conducting its semi-annual water level monitoring effort the week of September 23, 2013. The District has expanded the monitoring network to over 60 wells. After water level measurements have been taken the District will return to those wells that can be pumped for the purposes of gathering basic field water quality information.



Complaints and Investigations:

Office Administration:

Calendar of Events:

- October 10, 2013 - GMA 15 Meeting
- October 18, 2013 - VCGCD Board Meeting
- October 21, 2013 - Public hearing on proposed rule revisions
- October 23-24, 2013 - STF&R Show

Future Agenda Items

Fiscal Year 2012 - 2013 Annual Report
Attachment 10

Victoria County Groundwater Conservation District



Directors:

Mark Meek
President

Jerry Hroch
Vice President

Barbara Dietzel
Secretary

Thurman Clements
Kenneth Eller

2012 OCT 19 PM 1:02

VICTORIA COUNTY CLERK
VICTORIA COUNTY TEXAS
[Signature]

NOTICE OF MEETING VICTORIA COUNTY GROUNDWATER CONSERVATION DISTRICT BOARD OF DIRECTORS

Notice is given in accordance with Chapter 551-Government Code (V.T.C.A.) Texas Open Meetings Act that the Victoria County Groundwater Conservation District Board of Directors will conduct an educational booth at the South Texas Farm and Ranch Show, at the Community Center, 2905 East North St., Victoria, Texas.

Wednesday, October 24, 2012 – 10:00 A.M. to 7:00 P.M.
Thursday, October 25, 2012 – 10:00 A.M. to 5:00 P.M.

TO CONDUCT AN EDUCATIONAL BOOTH AT THE SOUTH TEXAS FARM AND RANCH SHOW

Please submit comments, questions, and requests for additional information to Tim Andruss of the Victoria County Groundwater Conservation District by mail at 2805 N. Navarro St., Suite 210, Victoria, Texas 77901, by email at admin@vcgcd.org, or by phone at (361) 579-6863.

[Signature]

Tim Andruss, General Manager

Date: 10/15/12

In Accordance with Title III of the Americans with Disabilities Act, we invite all attendees to advise us of any special accommodations due to disability. Please submit your request as far as possible in advance of programs you wish to attend.



SOUTH TEXAS FARM & RANCH SHOW

Received
5-2-12 Dy
in the office of



AN INVITATION TO EXHIBIT (CONTRACT INSIDE)

Don't miss the **2012 SOUTH TEXAS FARM & RANCH SHOW**. Held **Wednesday, October 24th & Thursday, October 25th, 2012** at the **Victoria Community Center, Victoria, Texas**.

We moved our show to the last full week in October. This was done to increase attendance – and it worked! Both farmers and ranchers were more free to attend as our dates were later in October — after typical harvest season.

Hold these dates on your calendar and reserve your booths now. We have a Web Page located at <http://southtexasfarmandranchshow.com>. You can check it to see what booths are available.

WHY EXHIBIT?

- ★ Increase Product Awareness
- ★ Speak for Your Product
- ★ Make Sales Contacts
- ★ Increase Profits...\$\$\$
- ★ Speakers & Programs – Designed for Maximum Exposure to Booths

WHY VICTORIA?

- ★ It's the "Crossroads" of the Coastal Bend
- ★ Over \$1 Billion in Ag Receipts in the "Crossroads" area
- ★ Free Public Admission to Show

COST COMPETITIVE?

- ★ You Bet!
- ★ No Salaried Personnel
- ★ Non-Profit Status
- ★ Booth Fees Include Electricity & Fork Lift Service

Fill out the enclosed contract and mail it in before September 1, 2012, listing your top choices for a booth. **Booths are reserved on a "first come first serve" basis.** We look forward to seeing you in October. **Please read thoroughly, including the back of the contract.**

Sincerely,

Gary Loest

Gary Loest, Chairman
South Texas Farm & Ranch Show

Joe Janak

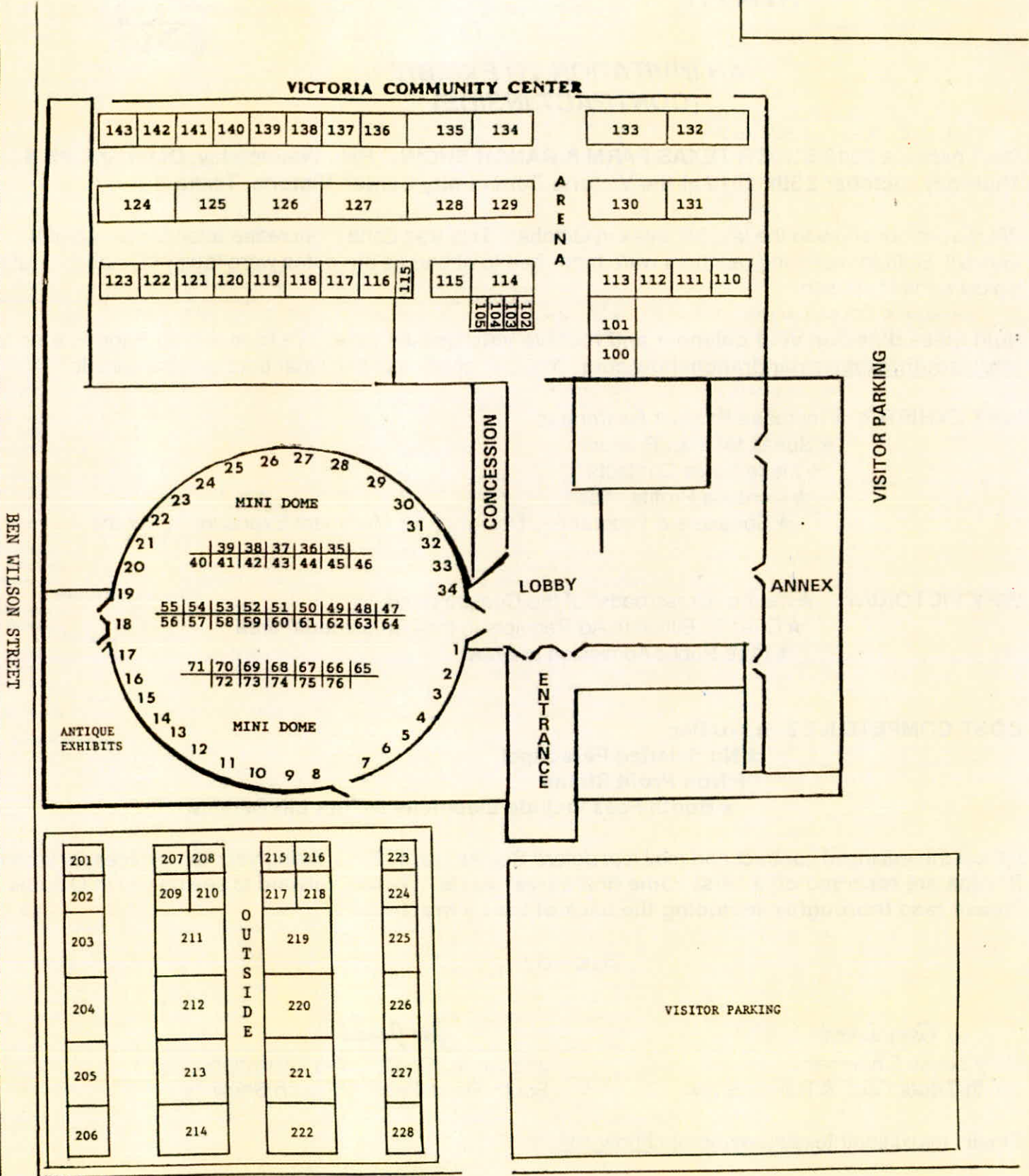
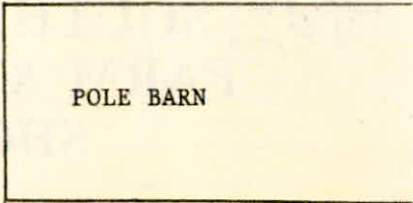
Joe Janak, Booth Sales Chairman
South Texas Farm & Ranch Show

Email: info@southtexasfarmandranchshow.com

SOUTH TEXAS FARM & RANCH SHOW

Victoria Community Center

Map is not to scale.



BEN WILSON STREET

E. NORTH STREET

GENERAL INFORMATION

Set-Up Date/Time: Tuesday, October 23th, 2012 8:00 A.M. - 5:00 P.M. in the Arena and Outside areas.
 Noon - 5:00 P.M. for the Mini Dome.

Show Date/Time: Wednesday, October 24th. Open from 10:00 A.M. - 7:00 P.M.
 Thursday, October 25th. Open from 10:00 A.M. - 5:00 P.M.

Place: Victoria Community Center, 2805 E. North Street in Victoria, Texas.
 Seminars and other educations programs will be held in the adjacent Annex.

Security: Furnished around the clock Tuesday through show closing.

Booths: All booths are reserved on a first come first serve basis.

76 Mini Dome Booths are approximately 8'x9.5'; 4 Arena Booths are approximately 10'x10'. These Booths will have an 8 foot backdrop and side dividers of 3 feet, a 6' draped table, 2 chairs and a 7"x44" I.D. sign.

20 Arena Booths will be approximately 23'x20' and 14 Arena Booths will be approximately 23'x40'. These booths will be provided with a 6' draped table, 2 chairs and a 7"x44" I.D. sign.

27 Front Outside Parking Lot Booths with 12 - 20'x20' booth spaces, 8 - 20'x40' booth spaces, 8 - 40'x40' booth spaces and 2 - 40'x40' premium booth spaces.

One 110-volt electrical outlet per booth is furnished for booths in the Mini Dome area. Spaces located in the Arena and front Outside area will be provided with access to a 110-volt electrical outlet upon request. Additional equipment, decorations, etc. may be obtained from the official decorator at the expense of the exhibitor. Exhibitors are to furnish extension cords (if needed) for arena booths (100 ft) and outside booths (up to 300 ft).

Prices/ Fees: 8'x9.5' Mini Dome Booth Space - \$460 each

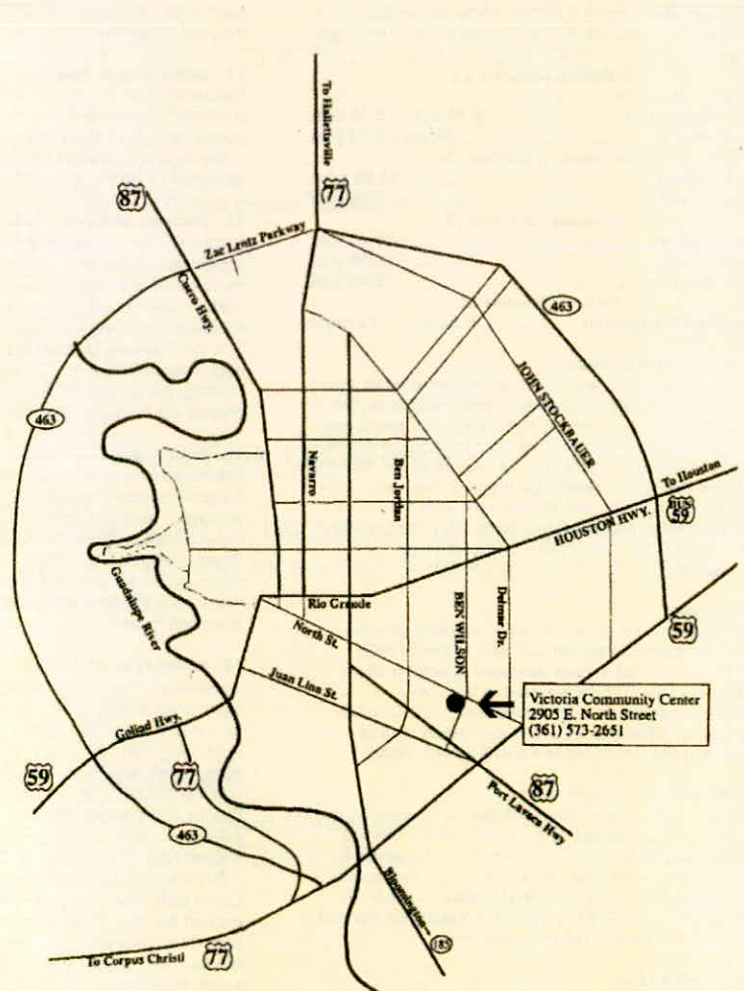
10'x10' Arena Booth Space - \$280 each
 23'x20' Arena Booth Space - \$275 each
 23'x40' Arena Booth Space - \$400 each

20'x20' Outside Booth Space - \$230 each
 20'x40' Outside Booth Space - \$290 each
 40'x40' Outside Booth Space - \$340 each
 40'x40' Outside Booth Space - \$650 each
 (207 - 210 & 215 - 219 Only)

A 10% late fee will be charged for registrations received after September 1, 2012

Food: An exhibitors hospitality will be provided for exhibitors Tuesday evening after set up. Food and beverage concessions will operate during the show hours.

Other Info: We will have fork lift service free of charge and some help available for unloading equipment on Tuesday, October 23th hours of 8:00 a.m. - 5:00 p.m. and beginning at 8:00 a.m. - 12:00 noon on Friday, October 26th for loading and moving out after the Show. An additional \$100 charge per item for use of fork lift will be made after the specified times listed. An exhibitor's information packet will be mailed to you containing booth confirmation the first part of October. For additional information, please call (361) 649-2243.



RULES AND REGULATIONS FOR EXHIBITORS

1. Sponsorship/Purpose

The Victoria South Texas Farm & Ranch Show (hereinafter referred to as "STFRS") is a non-profit show coordinated by a committee of volunteers organized by Victoria-South Texas Farm & Ranch Show, Incorporated. It's purpose is to foster acceptance of new technology and improve agricultural management techniques for farmers, ranchers and agribusinesses through coordination and sponsorship of activities such as the Farm & Ranch Show. The show enables attendees to see, hear and question the latest developments in equipment, supplies and services which are available to them.

2. General

The STFRS shall have full power to interpret these regulations. Matters not covered by the regulations shall be subject to a final decision by the STFRS steering committee. These regulations may be amended at any time by the STFRS upon written notice by the STFRS to such exhibitors as may be affected by them. The "Exhibitor Contract" form, when executed properly, shall be considered a binding agreement between the two parties. Exhibitors shall abide by federal, state and city laws, ordinances and regulations. Communication with reference to the STFRS should be addressed to: Gary Loest, Chairman; South Texas Farm & Ranch Show; 313 Kolodzey Rd., Victoria, TX 77905.

3. Eligible Exhibits

The STFRS reserves the right to determine the eligibility of any company, product, promotion or part thereof that, in its opinion, is not in keeping with the character and purpose of the show. Combustion engines will not be permitted to operate in the Mini Dome or arena areas.

4. Exhibit Dates, Days, Location

The South Texas Farm & Ranch Show will be located in the Victoria Community Center, Victoria, TX. The dates are as follows:

Tuesday, October 23

Exhibitor Move-In

Arena & Outside 8:00 a.m. - 5:00 p.m.

Mini Dome Noon - 5:00 p.m.

Wednesday, October 24

Show Opens 10:00 a.m.

Doors Close 7:00 p.m.

Thursday, October 25

Show Opens 10:00 a.m.

Doors Close 5:00 p.m.

Move-Out Begins 5:00 p.m.

Friday, October 26

Move-Out Completed 8:00 a.m. - 12 Noon

5. Assignment of Space

Priority will be given applicants according to when their request is received, availability of requested area, the amount of space requested and the special needs and compatibility of exhibitors. For safety precautions and in the event of conditions beyond its control, the STFRS reserves the right to rearrange the floor plan and relocate any exhibit upon consultation with any exhibitor. Please contact Joe Janak, P.O. Box 1045, Victoria, TX 77902, (361) 649-2243, for booth assignment.

6. Payment

Payment in full for exhibit space is due and payable when application is signed and sent to the STFRS. Exhibitors may not occupy assigned spaces until all monies due the STFRS are paid in full. Any applications received after September 1, 2012 will be charged an additional 10% late fee. Make checks payable to the South Texas Farm & Ranch Show.

7. Refunds for Cancellation

If written notice of space cancellation is received by the STFRS prior to October 1, 2012, 50% of the monies received will be refunded. No refund will be made for cancellations on or after October 1, 2012. Any space not occupied by 10:00 a.m. Wednesday, October 24, shall revert to the STFRS without obligation on the part of the STFRS for any refund whatsoever.

Email address:

info@southtexasfarmandranchshow.com

Web page address:

<http://southtexasfarmandranchshow.com>

8. Booth Equipment

Standard booth equipment consisting of backdrop and sidedrop curtains with frame, 1 draped table and 2 chairs per space are included with Mini Dome exhibit spaces. A standard sign bearing the company name is furnished for the backdrop at no extra charge. One 110-volt electrical outlet per space is furnished for spaces in the Mini Dome area. Spaces located in the arena area will be furnished with 1 draped table and 2 chairs per space, a standard sign bearing the company name and access to one 110-volt electrical outlet where needed. Must furnish own cords. Additional equipment, decoration, etc. may be obtained from the official contractor at the expense of the exhibitor. Exhibitors in outside booths must furnish own table and chairs or STFRS will supply 1 table and 2 chairs for \$40.00 per exhibitor. A standard sign bearing company name will be furnished upon request. Please let the STFRS know at least 14 days before set-up.

9. Booth Size

Booth size shall be determined as follows: An approximate 8'x9.5' Mini Dome space shall be approximately 9.5 ft. wide and approximately 8 ft. deep; an approximate 10'x10' Arena space shall be approximately 10 ft. wide and approximately 10 ft. deep; an approximate 20'x23' Arena space shall be approximately 20 ft. wide and approximately 23 ft. deep; an approximate 40'x23' Arena space shall be approximately 40 ft. wide and approximately 23 ft. deep; an approximate 20'x20' Outside space shall be approximately 20 feet deep and approximately 20 feet wide; an approximate 40'x40' Outside space shall be approximately 40 feet wide and approximately 40 feet deep.

10. Exhibitor Housing

Information on local hotel and motel accommodations will be forwarded to all exhibitors after space has been confirmed, all exhibitors will be responsible for making their own reservations for housing.

11. Subletting of Space

Exhibitors shall not assign or sublet any space allocated to them and may not advertise or display goods other than those manufactured or sold by them in the regular course of their business. The space assigned to the exhibitor is for exclusive use.

12. Delivery of Equipment

Each exhibitor will be responsible for the delivery of his equipment and/or display material to the exhibit hall and for removal of the equipment and/or display material. Fork lift service will be provided free of charge to all exhibitors requiring such services from 8:00 a.m. -5:00 p.m. on Tuesday, October 23, for unloading and beginning at 8:00 a.m.-12 noon, Friday, October 26, for loading. An additional \$100 charge per item fork lift charge will be made after these specified times.

13. Equipment Shipment

Exhibitors who must ship exhibit or demonstration supplies or equipment to the show should address the items to: Victoria Community Center; South Texas Farm & Ranch Show, Booth # ____; 2805 E. North Street; Victoria, TX 77901. Arrangements must be made by the exhibitor for unloading all items. Please notify John Stockbauer at (361) 573-2497 that such items will be arriving.

14. Installation of Exhibits

Installation of exhibits at the Community Center may commence at 8:00 a.m., Tuesday, October 23 (Noon for exhibits in the Mini Dome), with completion of move-in no later than 5:00 p.m., Tuesday, October 23. All exhibits are required to be operational by Wednesday, October 24, at 10:00 a.m. Exhibitors with exhibit spaces in the Mini Dome area will not be allowed to exhibit products or equipment that may damage the linoleum flooring. Weight of the exhibit shall not exceed 2,000 lbs. and must meet approval of STFRS Show Committee. Exhibit items in the Mini Dome must not exceed the size of the entry doors that are available for use. The dimensions of these entry doors are as follows: Mini Dome area 10 ft 6 in height x 12 ft 7 in width; Arena area - 14 ft height x 15 ft width. Exhibitors with outside exhibit spaces shall be responsible for any damages done to the outside parking lot when setting up.

15. No Flammable Materials

Combustible decorations such as crepe paper, hay, tissue paper, cardboard, corrugated paper shall not be used. All packing containers, excelsior, wrapping paper, etc. are to be removed from the floor and must not be stored under tables or behind displays.

16. Dismantling and Removal of Exhibits

ALL EXHIBITS MUST REMAIN INTACT UNTIL

CLOSING! Exhibit closing time is 5:00 p.m. on Thursday, October 25, and may not be dismantled or removed before that hour. **NO LARGE**

EQUIPMENT WILL BE MOVED UNTIL

SHOW CLOSING AT 5:00 P.M.! All exhibits must be dismantled, packed and removed by 12 Noon, Friday, October 26. Exhibitors will complete arrangements for prompt pickup of all outbound shipments. Forklift services will be available to assist the exhibitor from 8:00 a.m.-12 Noon on Friday, October 26. An additional \$100 charge per item forklift charge will be made after these specified times.

Exhibitors with outside exhibit spaces shall be responsible for any damages done to the outside parking lot when dismantling and removing exhibits.

17. Booth Construction and Arrangements

No display may extend beyond the following dimensions; higher than 8 feet from the back wall to 3 feet forward of the back wall and nothing over 42 inches in height shall extend forward for the remaining space to the front of the booth. All exposed parts of the display must be finished so as not to be objectionable to other exhibitors and/or the STFRS, or such will be draped by the STFRS and billed to the exhibitor. The only exception to this rule may be equipment booths, upon approval of the STFRS. **Generators may be used for outside booths only and must be placed away from other exhibitors in the parking lot perimeter using an extension cord to run in booth. Noise level must not disturb other exhibitors.**

18. Care of Exhibit Space

The STFRS will arrange for the sweeping of aisles daily. The exhibitors shall keep the space occupied by him in good order. Exhibitors may not place anything in the aisles during open hours of the show.

19. Booth Attendants

Each exhibitor must keep an attendant in his display during the open hours of the exhibits. All attendants must be bonafide employees or representatives of exhibitor.

20. Registration and Badges

All badges for a company will be held at the exhibitors' registration area under the company name. Admission to all show related hospitality functions will require a name badge.

21. Canvassing by Non-Exhibitors

The exhibit is limited to individuals, business firms, manufacturers, professional organizations and dealers who have contracted and paid for space assignments. No other persons or concerns will be permitted to demonstrate their products, solicit orders or distribute advertising materials in the convention facilities.

22. Distribution of Advertising Material

Circulars or advertising matter of the exhibitors may only be distributed within the booth assigned to the exhibitor. Such materials may not be distributed in areas other than the show facilities.

23. Liability

The exhibitor agrees to defend, indemnify and hold harmless the Victoria-South Texas Farm & Ranch Show, Incorporated, its Steering Committee, Victoria County Extension Service, Texas AgriLife Extension Service and the officers, agents, employees and volunteers from all actions, suits, claims, damages, losses and expenses including interest and attorney fees in connection with any personal injuries or property damages arising out of or in any way connected with the use of the exhibit space of the Victoria Community Center, its premises or any of the facilities or equipment located thereon, regardless of whether such damage or injuries are caused in part by someone other than the

SOUTH TEXAS FARM & RANCH SHOW LUNCH TICKETS

Lunches are on Wednesday (Oct 24th) and Thursday (Oct 25th) -\$8.00 each

12 noon to 1:00 pm

10/5/2012 – Called Trisha @ Vic Co. Extension Office and reserved (3) lunch tickets for Wednesday, and (6) lunch tickets for Thursday for Board Members.

They will be held at the Registration Booth at the Vic Comm. Center

VCGCD Members	Wednesday (Oct 24 th)	Thursday (Oct 25 th)
Tim	1	1
Mark	1	1
Jerry	0	2 (Jerry + 1 more)
Barbara	1	1
Thurman	0	0
Kenneth	0	1
Totals	3	6

2012
South Texas Farm & Ranch Show Speakers

1. Anderson, Dr. David - Extension Economist, Texas A&M AgriLife Extension Service, College Station, TX.
2. Appel, Dr. David - Extension Plant Pathologist, Texas A&M AgriLife Extension Service, College Station, TX.
3. Bade, Dr. David - Pennington Seed, College Station, TX.
4. Baker, Greg - Texas Department of Agriculture Pesticide Specialist, Matagorda, TX.
5. Barton, Melissa - Texas Department of Agriculture Pesticide Specialist, Victoria, TX.
6. Blakely, Doc - Wharton, TX.
7. Brooks, Rob - Dow AgroSciences, China, TX.
8. Clayton, Dr. Megan - Extension Range Specialist, Texas A&M AgriLife Extension Service, Corpus Christi, TX.
9. Damborsky, Ryan - Calhoun Co. Extension Agent Ag/NR, Texas A&M AgriLife Extension Service, Port Lavaca, TX.
10. Etheredge, Luke - Monsanto, Llano, TX.
11. Grymes, Dr. Charlie - Dupont Crop Protection, Inez, TX.
12. Hargis, Van - Victoria, TX.
13. Humphreys, Joe - UH-V Small Business Development Center, Victoria, TX.
14. McAfee, Dr. James - Extension Turfgrass Specialist, Texas A&M AgriLife Extension Service, Dallas, TX.
15. O'Connor, T. Michael - Victoria County Sheriff, Victoria, TX.
16. Outlaw, Dr. Joe - Extension Economist, Texas A&M AgriLife Extension Service, College Station, TX.
17. Paschal, Dr. Joe - Extension Livestock Specialist, Texas A&M AgriLife Extension Service, Corpus Christi, TX.
18. Robinson, Dr. John - Extension Economist, Texas A&M AgriLife Extension Service, College Station, TX.
19. Stein, Dr. Larry - Extension Horticulture Specialist, Texas A&M AgriLife Extension Service, Uvalde, TX.
20. Stephens, Garry - Biologist, USDA-NRCS, Corpus Christi, TX.
21. Welch, Dr. Mark - Extension Economist - Texas A&M AgriLife Extension Service, College Station, TX.
22. Yanta, Brian - Goliad County Extension Agent, AG/NR, Texas A&M AgriLife Extension Service, Goliad, TX.
23. Veterinarians: Larry Garrett, D.V.M. - Cuero; Tom Moscatelli, D.V.M. - Victoria; Lois Cochran, D.V.M. - Cuero; Sam Williams, D.V.M. - Victoria
24. Pasture to Plate - Various Speakers
25. Young, Mac, Extension Program Specialist, Texas A&M AgriLife Extension Service, Corpus Christi

2012 PASTURE TO PLATE
Wednesday & Thursday
9 a.m. — 2 p.m.

Educational program for 3rd graders in Victoria County Sessions Offered: Balancing Food & Play, MyPlate, Moo U, Meet Your Meat, Pizza Garden, From Fisherman to Pork, Farm in My Lunch Box

RSVP: By Friday, September 21st, 2012,
Texas A&M AgriLife Extension Service
361-575-4581

SPACE IS LIMITED

Extension programs serve people of all ages regardless of socioeconomic level, race, color, sex, religion, disability or national origin. The Texas A&M University System, U.S. Department of Agriculture, and the County Commissioners Courts of Texas cooperating.

8th ANNUAL SCHOLARSHIP
GOLF TOURNAMENT
Proceeds benefit area youth

Date: Tuesday, October 23, 2012
Time: 8:00 a.m. Tee Time
Where: Colony Creek Country Club,
Victoria, TX
Contact: David Dierlam, 361-575-3224 or Gill
Dollins, 361-573-3371 for arrangements.

Come play for your chance on a "hole in one" to win a new 3/4 Ton Silverado Chevrolet Truck sponsored by Atzenhoffer Chevrolet. Winner is responsible for TTL on truck.



Purchase your LUNCH TICKETS by Mon., Oct. 22nd,
5:00 p.m. from Victoria County Extension Office
528 Waco Circle (Airport area)

Excellent Programs & Luncheons



SHOW SCHOLARSHIPS:

The South Texas Farm & Ranch Show awarded scholarships totaling \$12,250 to seniors in 2012. Since 1991, the South Texas Farm & Ranch Show has awarded \$109,750 to deserving high school seniors pursuing an agriculture related degree.

2012 recipients are:

Kelly Garrett	Cuero	\$1750
Kelli Rothmann	Calhoun	\$1500
Cody Malzer	Calhoun	\$1250
Caitlin Orsak	Sacred Heart	\$1250
Kimberly Depine	Victoria East	\$1250
Kelsea Hempel	St. Joseph	\$1250
Breana Tater	Industrial	\$1000
James Studer	Industrial	\$1000
Bradley Berkenhoff	Moulton	\$1000
Ryan Hessler	Industrial	\$1000

Congratulations!



Color Photos by Hartman Creative Images
\$1,000 Show Sponsors



\$500 Sponsors

Capital Farm Credit
Dow Chemical Company
DuPont Crop Protection
First Victoria Bank
Goldman, Hunt, & Notz, LLC
New Distributing, Inc.
NewFirst National Bank
South Texas Electric Cooperative
Toyota of Victoria
TrustTexas Bank
Vic-Cal Grain Company

\$250 Sponsors

Helena Chemical Co.
IBC Port Lavaca
Killebrew Chrysler Jeep Dodge
Rice Belt Warehouse, Inc.
Sonic of Victoria & Port Lavaca
South Texas Cotton & Grain Association
Texas AgFinance
Texas Corn Producers
Texas Grain Sorghum Producers
Wells Fargo Bank, N.A.

Coordinated by:

South Texas Farm & Ranch Show Committee
Texas A&M AgriLife Extension Service - Victoria
County

Individuals with disabilities who require an auxiliary aid, service or accommodations in order to participate in these meetings are encouraged to contact the County Extension Office at (361) 575-4581 to determine how reasonable accommodations can be made.

Our 28th Show

2012
South
Texas
Farm &
Ranch Show



<http://southtexasfarmandranchshow.com>

October 24 — 25, 2012

Victoria Community Center
2905 E. North St.
Victoria, Texas
Phone # 361-575-4581



FREE ADMISSION
to show;
\$10.00 per person per
day to
attend educational
programs.

OVER 125 EXHIBIT BOOTHS

TEXAS A&M
AGRI LIFE
EXTENSION

CEU's Offered:

TDA: 10 hours **BQA: 4 hours**
 1-L&R, 2-IPM, 7-Gen.

SOUTH TEXAS FARM & RANCH SHOW SCHEDULE

Numbers listed represent speaker's names on reverse side.

\$10/person/day admission to attend any/all educational programs except for Lunch and Dinner

Wednesday, Oct. 24, 2012	Dome, Arena, Grounds	Jaycee Hall	Annex 1 (Stage Area)	Annex 2	Annex 3
7:00 a.m.		Registration / Breakfast Sponsored by First Victoria; South Texas Electric Cooperative	Registration / Breakfast Sponsored by New Distributing; DuPont Crop Protection		Registration / Breakfast Sponsored by Vic-Cal Grain Company; NewFirst National Bank
7:30- 10 a.m.		CATTLEMEN'S COLLEGE: Rebuilding the Cow Herd1 Beef Market Outlook8 Are your Pastures Ready for Restocking?17 Options for Rebuilding Your Herd.....17 TDA-1 Gen BQA-2	AGRICULTURAL ENTERPRISE FINANCIAL MANAGEMENT: Learning Financial Lingo.....13 Cash Flow Analysis in Agriculture.....13 Farm Assistance Program—Financial Planning and Analysis.....25 TDA-1 Gen		PESTICIDE LICENSE TRAINING9, 22 (To obtain a license)
10- 11 a.m.	See 125 Farm & Ranch Exhibit Booths Open 10:00 a.m. to 6:30 p.m. No Admission Fee	PASTURE TO PLATE (9:00 a.m. - 2:00 p.m.) Pre-registered 3rd Grade Youth Program 24	Pesticide Laws and Regulations4, 5 TDA-1 L&R		
11 - 12 noon			LUNCHEON: BORDER SECURITY, CHALLENGES FOR LANDOWNERS AND LAW ENFORCEMENT T. Michael O'Connor, Victoria County Sheriff..... Tickets - \$8.00		
12 - 1 p.m.			FARM POLICY UPDATE AND MARKET OUTLOOK		PESTICIDE LICENSE TESTING 4, 5
1:30 - 2 p.m.			Feed Grain Market Outlook.....21 Cotton Market Outlook.....18 Farm Bill Update.....16 TDA-1 Gen		TURFGRASS MANAGEMENT: Selection and Care of Home Lawns.....14 TDA-1 Gen
2 - 3 p.m.			HORSE TRAINING WORKSHOP—ARENA12		
3 - 4 p.m.			GOLDEN CRESCENT VET RANCH SEMINAR & BBQ DINNER: \$9 Pre-Sale \$10.00 at the door - Replacement, Female Selection, Beginning Goat Management, Veterinary/ Client Communication, Pregnancy Loss in Cattle, Goats for Brush Control23		
4 - 5:30 p.m.					
6-9 p.m.					
Thursday, Oct. 25, 2012	Dome, Arena, Grounds	Jaycee Hall	Annex 1 (Stage Area)	Annex 2	Annex 3
6:30 a.m.		Registration / Breakfast Sponsored by Capital Farm Credit; Toyota of Victoria	Registration / Breakfast Sponsored by Dow Chemical Company; TrustTexas Bank		
7:00a.m.		CATTLEMEN'S COLLEGE: Grazing Management (Optimizing Forage Productivity)7, 11 New developments in Pasture Herbicides.....8 Pasture Renovation and Recovery with Herbicides.....20 Practical Application of Soil Surveys20 Supplementing Nitrogen with Legumes.....3 TDA-2 Gen BQA-2	NEW TECHNOLOGIES IN ROW CROP PRODUCTION Managing Weed resistance.....10 Dicamba Tolerant Cotton - Monsanto.....10 TDA-2 GEN		
8 - 10 a.m.			TREE SYMPOSIUM Drought Effects on Trees Critical Texas Tree Diseases Tree Replacement Options.....2 TDA-1 Gen, 1 IPM		
10 - 11 a.m.	See 125 Farm & Ranch Exhibit Booths Open 10:00 a.m. to 5:00 p.m. No Admission Fee	PASTURE TO PLATE (9:00 a.m. - 2:00 p.m.) Pre-registered 3rd Grade Youth Program 24	LUNCHEON: STUFF THAT WORKS Doc Blakely—Humorist.....Tickets - \$8.00		
11 - 12 noon			HOME FRUIT AND NUT PRODUCTION19 TDA-1 Gen, 1 IPM		
12 - 1 p.m.			HORSE TRAINING WORKSHOP—ARENA12		
1:30 - 2 p.m.					
2 - 3 p.m.					
3 - 3:30 p.m.					
3:30-5 p.m.					



T. Michael O'Connor

Purchase your LUNCH TICKETS by Oct. 22nd, 5:00 p.m. from Victoria County Extension Office 528 Waco Circle (Airport area)

Luncheon Sponsors:



Doc Blakely



South Texas Farm and Ranch Show
P O Box 1045
Victoria Texas 77902

Receipt for

2012 South Texas Farm and Ranch Show exhibitor booth space

Received from: Victoria County Groundwater District

For Exhibitor Booth Space #: 46

Amount Paid: \$460

Amount Due: 0

Check #: 2427

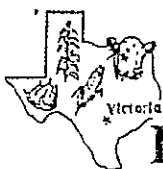
See you at our show October 24-25, 2012

Thank you,

Joe Janak
Exhibit Booth Chairman
Email: joejanak@nodial.net
Ph #: 361-649-2243

Indexed as GR1025-26A
Record Index ID # 5497

2012



SOUTH TEXAS FARM & RANCH SHOW

10-31-11
11 AM - 4 PM
10-31-11
KE

For STFRS Use Only:

Date: _____
 Payment Received: \$ 4100.00
 Check/MO #: # 2427
 Booth(s) Assigned: _____
 Accepted By: _____

October ²⁴26 - October ²⁵27, 2012
Victoria Community Center

EXHIBITOR CONTRACT

Firm Name: Victoria County Crocodonates Phone: (361) 579-6863
 Mailing Address: 2005 N. NAVARRO, Ste. 210 City: Victoria
 State: TX Zip: 77901 E-Mail Address: admin@vcgcd.org

# Booths Wanted	See Booth Layout for Booth Location Size	Cost Per Booth	Booth No.(s) Preference			Total Price
			1st Choice	2nd Choice	3rd Choice	
<u>1</u>	8' x 10' Mini Dome Booth Space(s)	\$460.00	<u>410</u>			<u>\$460.00</u>
	10' x 10' Arena Booth Space(s)	\$280.00				
	23' x 20' Arena Booth Space(s)	\$275.00				
	23' x 40' Arena Booth Space(s)	\$400.00				
	20' x 20' Outside Booth Space(s)	\$230.00				
	20' x 40' Outside Booth Space(s)	\$290.00				
	40' x 40' Outside Booth Space(s)	\$340.00				
	40' x 40' Premium Outside Booth Spaces 207 - 210 & 215 - 218 Only	\$650.00				
TOTAL RENTAL FEES						<u>\$460.00</u>
Add 10% Fee if Submitted After 10/1/11						
TOTAL DUE						<u>\$460.00</u>
MAKES CHECKS PAYABLE TO: SOUTH TEXAS FARM & RANCH SHOW						

IMPORTANT: Please list all items or services you plan to exhibit so we can promote your booth and business:

ALL EXHIBITS MUST REMAIN INTACT UNTIL SHOW CLOSES.

I have read the rules and regulations for exhibitors enclosed with this form and agree to abide thereby.
 Signature: [Signature] Title: General Mgr. Date: 10-27-11

Please include address for mailing exhibitor's package if different from the above address: _____

This application will be deemed acceptable only when signed, paid in full and returned to: **South Texas Farm & Ranch Show, P.O. Box 1045, Victoria, TX 77902 (361) 575-4581**

Admission to all show related hospitality functions will require a name badge. Please complete the reverse side of this form before returning your contract and payment.

★★ CONTINUED ON BACK ★★

2012

2011 South Texas Farm & Ranch Show

October ²⁴26 - October ²⁵27, 2011-2012

Victoria Community Center
2805 E. North Street

NAME BADGE REQUEST FORM

BADGES WILL BE AVAILABLE AT CHECK IN ON OCTOBER 25, 2011

Admission to all show related hospitality functions will require a name badge. Please check the appropriate box, complete the necessary information and return the completed information, contract and payment.

Please note there is a limit of six free exhibitor badges per booth space purchased.

FIRM NAME: Victoria County Groundwater Conservation Dist.

We are requesting name badges for the following representatives. Please print or type.

1. Mark Meek, VCGCD President
2. Jerry Hoch, VCGCD Vice President
3. Barbara Dietzel, VCGCD Secretary
4. Kenneth Eller, VCGCD Director
5. Thurman Clements, VCGCD Director
6. Tim Andruss, VCGCD General Mgr.

At this time, we do not know who will be representing our firm. Please reserve _____ (number) blank name badges which we will complete upon check-in at the South Texas Farm & Ranch Show.



Signature

EXHIBITOR'S EVALUATION

2011 SOUTH TEXAS FARM & RANCH SHOW

In order to help us plan for and promote future Farm & Ranch Shows, we request your honest answers in completing the following questionnaire concerning this year's Show. A Show official will pick up your questionnaire or you may leave it at the registration table when complete.

1. Were you pleased with the number of people attending this Show?

	<u>YES</u>	<u>NO</u>
Wednesday	<u>X</u>	___
Thursday	<u>X</u>	___
Overall	<u>X</u>	___

2. Were you pleased with the facilities provided at the Show? YES X NO ___

3. Please rate the following activities on how you, as an exhibitor, felt these activities were handled by the Show management?

	<u>EXCELLENT</u>	<u>GOOD</u>	<u>FAIR</u>	<u>POOR</u>	<u>N/A</u>
Moving equipment in/setup	<u>X</u>	___	___	___	___
General Show hospitality		___	___	___	___
Evening social/hospitality for exhibitors		___	___	___	___
John Sharp - Wednesday Lunch		___	___	___	___
Evelyn Browning Garriss - Thursday Lunch		___	___	___	___
Educational Programs		___	___	___	___
Publicity for the Show		___	___	___	___
Security	<u>X</u>	___	___	___	___

5. How many Shows of this type do you exhibit in each year? 1-2

6. How many people represented your company at our Show? 4

7. How many miles did you travel one way to attend our show? LOCAL GOVT

8. Counting hotel nights, dinners, drinks, gas/fuel, etc., about how much did you and/or your company spend in our community for all your representatives during this show? Please consider all nights/events, etc. \$ N/A

9. To help us promote the show, please list the total value of your exhibit at our show? \$ N/A

10. What did you like about the South Texas Farm & Ranch Show?
VERY WELL OPERATED SHOW w/ EXCELLENT ATTENDANCE

11. What did you not like about the Show?

12. Do you feel the Show was a worthwhile endeavor for your company? YES X NO
13. Would you be interested in exhibiting at our show next year? YES X NO
14. In your opinion, were these programs beneficial in bringing potential clients to our Show?
 Educational Programs held both days YES X NO
 Private Pesticide CEU's offered both days YES NO
 Veterinary Ranch Seminar (Wednesday's 6:30-9:00 pm program) YES X NO

15. Please mark your preference for Show's closing times for each day.
- | | | | |
|---------------------|-------------|--------------------|-------------|
| WEDNESDAY 6:00 P.M. | <u>X</u> | THURSDAY 5:00 P.M. | <u>X</u> |
| 7:00 P.M. | <u> </u> | 6:00 P.M. | <u> </u> |
| 8:00 P.M. | <u> </u> | 7:00 P.M. | <u> </u> |
| 9:00 P.M. | <u> </u> | 8:00 P.M. | <u> </u> |

16. Please list suggestions for speakers for next year's show.

17. Please list other suggestions for additions to next year's Show.

18. Please mark where your booth was located:
 Dome X, Arena , Outside , Antique Exhibits

19. Please estimate the number of contacts you made as a result of the South Texas Farm & Ranch Show.

	Wednesday	Thursday
Excellent business contacts	<u>30+</u>	<u>30+</u>
Good business contacts	<u> </u>	<u> </u>
Fair business contacts	<u>10+</u>	<u>10+</u>

20. What do you estimate is the potential sales results within the next year due to these contacts?
 \$ _____

WE APPRECIATE YOU COMPLETING THIS QUESTIONNAIRE AND EXHIBITING AT THE 2011 SOUTH TEXAS FARM & RANCH SHOW.

To continue our quality show and give all visitors a chance to see, we ask that your booth be fully open until the show closes at 5 p.m. and you refrain from packing your exhibit early.

Thank you!

Donna Yanta

From: JoeJanak <joejanak@nodial.net>
Sent: Thursday, October 04, 2012 8:08 PM
To: admin@vcgcd.org
Subject: South Texas Farm & Ranch Show
Attachments: STFRS Exhibitor confirmation letter.doc; STFRS Exhibitor Booth Layout .pdf; 2012 STFRS Flyer - 8.5x14 inch paper.pdf; STFRS Contract Rules & Regs.2012.pdf; Victoria County ceipt.doc



SOUTH TEXAS FARM & RANCH SHOW

South Texas Farm and Ranch Show
P O Box 1045
Victoria Texas 77902

To: 2012 STFRS Exhibitor

Please respond by email when you receive this so we know your email is good.

We have your space reserved at the South Texas Farm & Ranch Show to be held in Victoria, Texas October 24 – 25, 2012 and are glad you are going to be a big part of our 28th show. See attached receipt for your exhibit booth number(s).

Our show booths are nearly all full and we anticipate a great show of exhibitors as well as attendees. Remember, setup is October 23rd (after noon in the mini-dome) and teardown after 5 p.m. on the 25th or before noon on the 26th.

Besides you and our other exhibitors, we have a great lineup of educational programs for our visitors. See the attached show flyer which prints two-sided on 8.5" x 14" paper. Please send this digitally to your clientele so they can come see you at the show. If you want several hundred slick-printed paper copies of the flyer to hand out to clientele, request these from the Victoria County Extension office at 361-575-4581.

With this letter, find a receipt showing your company's booth space and payment which you can print for your records. Also for your convenience, find the booth layout and the show's rules and regulations.

After reviewing your contract and information, if you need additional items such as extra tables, carpet, etc. please give me a call otherwise the normal booth allocation will be provided.

See you at our show October 24-25, 2012

Thank you,

Joe Janak



SOUTH TEXAS FARM & RANCH SHOW

South Texas Farm and Ranch Show
P O Box 1045
Victoria Texas 77902

To: 2012 STFRS Exhibitor

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See you at our show October 24-25, 2012

Thank you,

Joe Janak
Exhibit Booth Chairman
Email: joejanak@nodial.net
Ph #: 361-649-2243

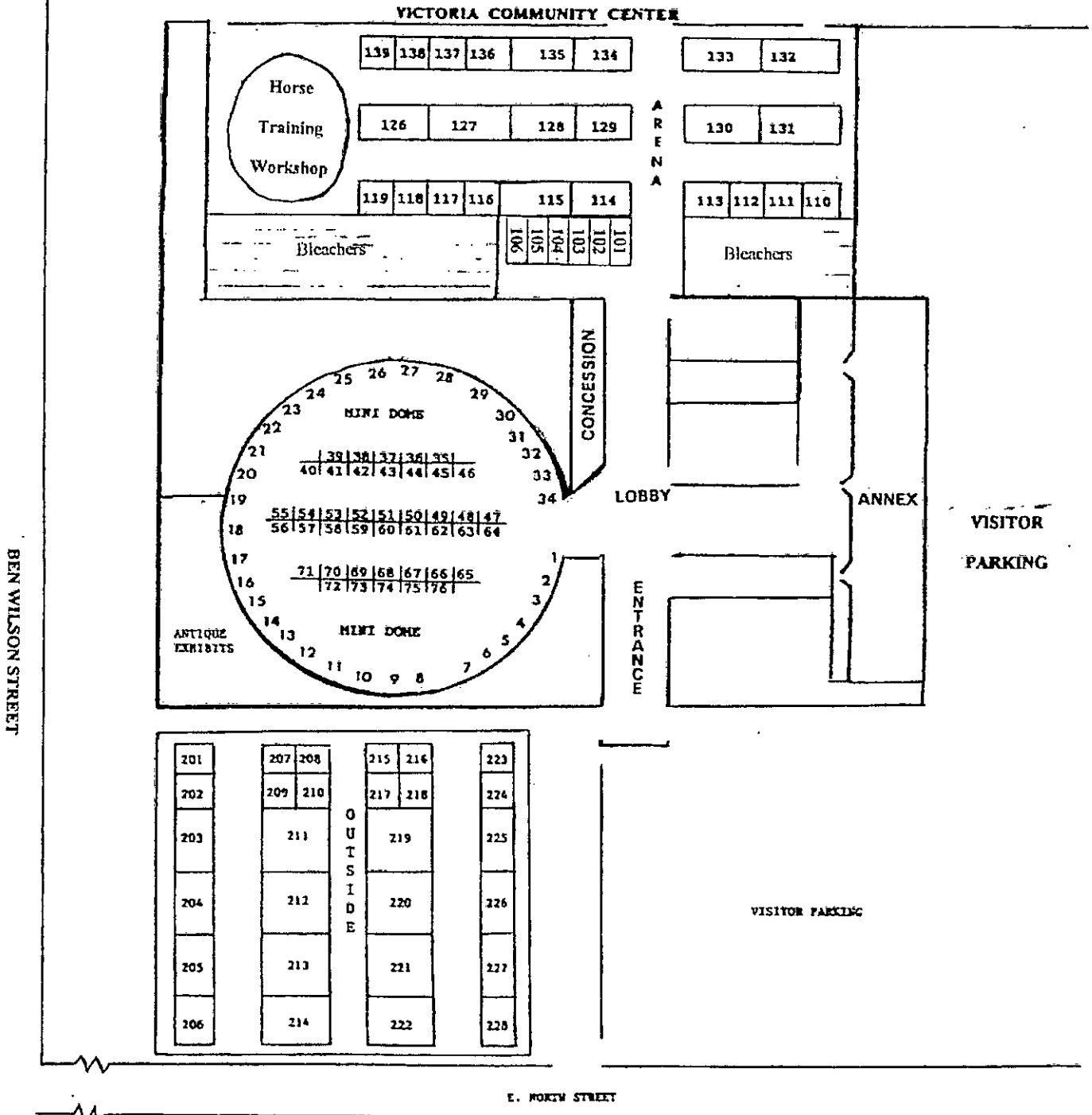
Encl. – (All attachments print on 8.5" x 11" paper except the show flyer)

Exhibitor booth receipt
STFRS booth layout
STFRS rules and regs.
STFRS flyer

SOUTH TEXAS FARM & RANCH SHOW

Victoria Community Center

Map is not to scale.



• Joe Janak
Exhibit Booth Chairman
Email: joejanak@nodial.net
Ph #: 361-649-2243

Encl. – (All attachments print on 8.5” x 11” paper except the show flyer)

Exhibitor booth receipt

STFRS booth layout

STFRS rules and regs.

STFRS flyer

9th Annual

Received
5-2-12 by
in the office of



SOUTH TEXAS FARM & RANCH SHOW



GOLF TOURNAMENT

4-Man Scramble

Tuesday, October 23, 2012

Tee Time: 8:00 a.m.

@ Colony Creek Country Club

*Watch for details beginning in August
on our website:*

www.southtexasfarmandranchshow.com

Official Show Dates:

Wednesday & Thursday, October 24 & 25, 2012

Join Us!

Proceeds benefit the

South Texas Farm & Ranch Show

Scholarship Fund!

**If interested in playing
team or individual, please call either**

David Dierlam @ (361) 575-8655

or (361) 920-0250

Gill Dollins @ (361) 573-3371

or (361) 648-9698

Comments or Questions

Name and Mailing Address:

Phone Number:

() —

Email Address:

Comment / Question / Request:

Please submit this portion of the brochure to:
Victoria County Groundwater Conservation District
2805 N. Navarro St., Ste. 210, Victoria, Tx 77901

The Victoria County Groundwater Conservation District is a political subdivision of the State of Texas created by the Texas Legislature in 2005 (Special District Local Laws Code Chapter 8812) and was confirmed by 73 percent of the voters in November 2005.

The District funds its operation through the collection of a small ad valorem tax. The fiscal year 2009-2010 tax rate was set at 0.955 cents per \$100 taxable value by the VCGCD Board of Directors.

The VCGCD Board of Directors is comprised of locally-elected board members - one member from each county precinct as well as an at-large member.

VCGCD Board of Directors: The board of directors is comprised of 5 elected members.

Precinct 1:	Mr. Jerry Hroch
Precinct 2:	Mr. Thurman S. Clements, Jr.
Precinct 3:	Mrs. Barbara Dietzel
Precinct 4:	Mr. Mark Meek
At Large:	Mr. Kenneth Eller

VCGCD Staff: The District employs two staff members to carry out the district operations.

General Manager:	Mr. Timothy Andruss
Admin. Assistant:	Mrs. Janet Eager



**VICTORIA COUNTY
GROUNDWATER
CONSERVATION
DISTRICT**

District Overview

Working to conserve, preserve, protect, and prevent waste of groundwater resources within Victoria County for the benefit of Victoria County's landowners, citizens, economy, and environment.

Office Address:

**Victoria County Groundwater
Conservation District
Dr. Patti Dodson Health Center
2805 N. Navarro St., Suite 210
Victoria, Texas 77901**

Phone: 361-579-6863
FAX: 361-579-0041
E-mail: admin@vcgcd.org

WWW.VCGCD.ORG

Victoria County Groundwater Conservation District Activities

Management Plan & District Rules

Since the formation of the District, the District's directors, staff, and consultants have worked with local stakeholders to gather input regarding the management and rules of the District. In October 2008, the VCGCD Board of Directors approved the District's first management plan and adopted the first set of rules.

The District's management plan and rules can be downloaded from the following web addresses:

www.vcgcd.org/ManagementPlan.html
www.vcgcd.org/Rules.html

Well Registration and Validation of Historic Use

In order to protect historic groundwater use, to grandfather well spacing of existing wells, and support management activities, the District has implemented a water well registration and validation program.

Registration of grandfathered exempt wells (see District Rules for Exempt Well Definition) is voluntary and is a simple and free process of indicating where the water well is located. Registration of an exempt well is accomplished by submitting the following form: **Well Registration Application for Grandfathered Exempt Wells**.

Registration of non-exempt wells (see District Rules for Non-Exempt Well Definition) is not voluntary. With the registration of these wells, applicants are able to request validation of historic use. Registration of a non-exempt well is accomplished by submitting the following form: **Well Registration Application for Grandfathered Non-Exempt Wells**.

Water Well Permitting

The District, through the adoption of the District rules, requires new water wells to be permitted prior to drilling and in some instances prior to pumping. Generally speaking, if a new well will be used for non-exempt uses or is drilled, constructed, or equipped to produce more than 28,800 gallons per day, then an operating permit is required prior to pumping the well.

Regional Planning

The State of Texas relies on regional water planning efforts to coordinate the water planning activities of Texas. The District actively participates in the regional planning efforts.

The District is completely contained within Groundwater Management Area 15 (GMA 15) and is one of the voting members of GMA 15. Currently, GMA 15 is focused on the development of its Desired Future Condition (DFC) as required by Texas Water Code. The DFC will be used to compute the Managed Available Groundwater (MAG) within the GMA as well as Victoria County

which will impact permitting by the District. The MAG is the estimated amount of groundwater that theoretically could be produced and achieve the DFC. The initial DFC must be submitted to TWDB by September 2010.

In addition, the District is a voting member of the South Central Texas Regional Planning Group (Region L). Region L is currently developing the Regional Water Plan which identifies the water management strategies to be used to match available water supplies to future water needs within the Region L boundary.

Monitoring & Studies

The District conducts water quality and water level monitoring activities as well as sponsors hydrogeologic studies of the aquifer such as the Coletto Creek Surface Water / Groundwater Study.

District Meetings

The District holds monthly meetings which are open to the public. The meetings are scheduled for the 3rd Friday of each month. Meeting agendas are published in advance on the District website.

www.vcgcd.org/Meetings.html

Registration Concepts

Exempt Well: a well that is used solely for domestic purposes or for providing water for livestock, poultry or personal recreational use that is drilled, completed, or equipped so that it is incapable of producing more than 28,800 gallons (20 gpm) of groundwater per day; or a well otherwise exempt under the provisions of Section 36.117, Water Code.

Non-Exempt Well: a water well that is not an "Exempt Well" requiring a permit authorizing groundwater production.

Grandfathered Well: a well that existed prior to the original adoption of the District rules (Oct. 3, 2008) and is not abandoned. The well is not subject to the spacing requirements of the District. Grandfathered wells are either an exempt well or non-exempt well. Wells drilled after Oct. 3, 2008 are considered new wells and are not grandfathered.

Validation of Historic Use: the process of obtaining a validation permit authorizing groundwater production for a specific quantity for a specific purpose of use based on evidence of such production during the District's validation period (Jan. 1, 1990 to Oct. 3, 2008).

Frequently Asked Questions about Water Well Registration

Why does VCGCD wish to register water wells in Victoria County? The registration of water wells directly supports the District's efforts to achieve its mission to conserve, preserve, protect and prevent waste of Victoria County's groundwater resources.

What are the benefits of registration to the well owner? The benefits include: proper offset of new wells; improved communication between the District and well owners; and opportunity to participate in the District's programs.

Does VCGCD require all water wells to be registered? No. Registration of grandfathered exempt wells is voluntary. Registration is required prior to production of groundwater from a non-exempt well.

Does VCGCD require meters on wells? No. Under no circumstances are meters required. However, groundwater production from non-exempt wells must be reported accurately. Operators of non-exempt wells may choose to use meters for reporting purposes or other adequate measuring techniques.

Does VCGCD charge a fee to register water wells? No. The VCGCD Board has explicitly set a \$0.00 fee for well registration.

Does VCGCD require extensive documentation about a well for it to be registered. No.

Does VCGCD allow existing wells to be used as they were in the past (Historic Use)? Yes. See Validation of Historic Use.

Does VCGCD grandfather wells that existed prior to the district being formed? Yes. Primarily applies to well spacing requirements.



VICTORIA COUNTY
GROUNDWATER
CONSERVATION
DISTRICT

Water Well Registration

In order to protect historic groundwater use, to grandfather well spacing of existing wells, and support aquifer management activities, the District has implemented a water well registration and validation program. Through this program, the District will develop a water well inventory of water wells within Victoria County.

Office Address:

**Victoria County Groundwater
Conservation District
Dr. Patti Dodson Health Center
2805 N. Navarro St., Suite 210
Victoria, Texas 77901**

Phone: 361-579-6863
FAX: 361-579-0041
E-mail: admin@vcgcd.org

WWW.VCGCD.ORG

Information about Water Well Registration in Victoria County, Texas

Exempt Water Wells

Registration of grandfathered exempt wells is voluntary and can be achieved by submitting basic information about the well to the District. In particular, the registration application must include the well owners name, mailing address, well address/ location, and the number of wells being registered at that location. Optional information about the well construction such as well casing data, screening depth, pump size can be submitted and will aid the District in developing county-level pumping estimates and selection of wells for inclusion in the District's monitoring programs. (Participation in District monitoring programs is voluntary.) Registration of grandfathered exempt wells is applied for using the ***Well Registration Application for Grandfathered Exempt Wells***.

Registration of new exempt wells is automatic and accomplished through the drilling permit approval process for new wells.

After the District completes its processing of the registration application, the District will generate a well registration certificate that documents the well ID, owner name, and exempt status. A copy of the certificate is sent to the well owner for record-keeping purposes.

Non-Exempt Water Wells

Registration of grandfathered non-exempt wells is required and should be initiated prior to groundwater production for non-exempt uses. The information required for registering non-exempt wells is more detailed. In particular, the identification of the well's precise location (i.e. GPS coordinate) is required. Additional information, if known, should be submitted on the application as well. Registration of grandfathered non-exempt wells is applied for using the ***Well Registration Application for Grandfathered Non-Exempt Wells*** application.

Registration of new non-exempt wells is automatic and accomplished through the drilling permit and operating approval process for new wells.

After the District completes its processing of the registration application, the District will generate a well registration certificate that documents the well ID, owner name, and authorized use. A copy of the certificate is sent to the well owner for record-keeping purposes.

After the registration process is complete, the historic use validation process will be initiated.

Historic Use Validation

Grandfathered non-exempt wells are eligible for validation of historic use. The successful completion of the validation process results in the District approving a validation permit. The validation permit documents and authorizes future production (pumping) of groundwater in a specific amount for a specific use from a specific well. (Groundwater production from non-exempt wells must be authorized by either a validation permit or an operating permit.)

Validation of historic use is applied for using the ***Well Registration Application for Grandfathered Non-Exempt Wells***. In addition to the information required to register the non-exempt well such as well owner information, well location, well construction information, the applicant seeking validation of historic groundwater production must submit evidence supporting the applicant's claim regarding the amount of groundwater pumped historically and the purpose of its use.

The VCGCD Board, after a public hearing, will determine the appropriate conditions for the validation permit including the authorized annual production amount and purpose of use.

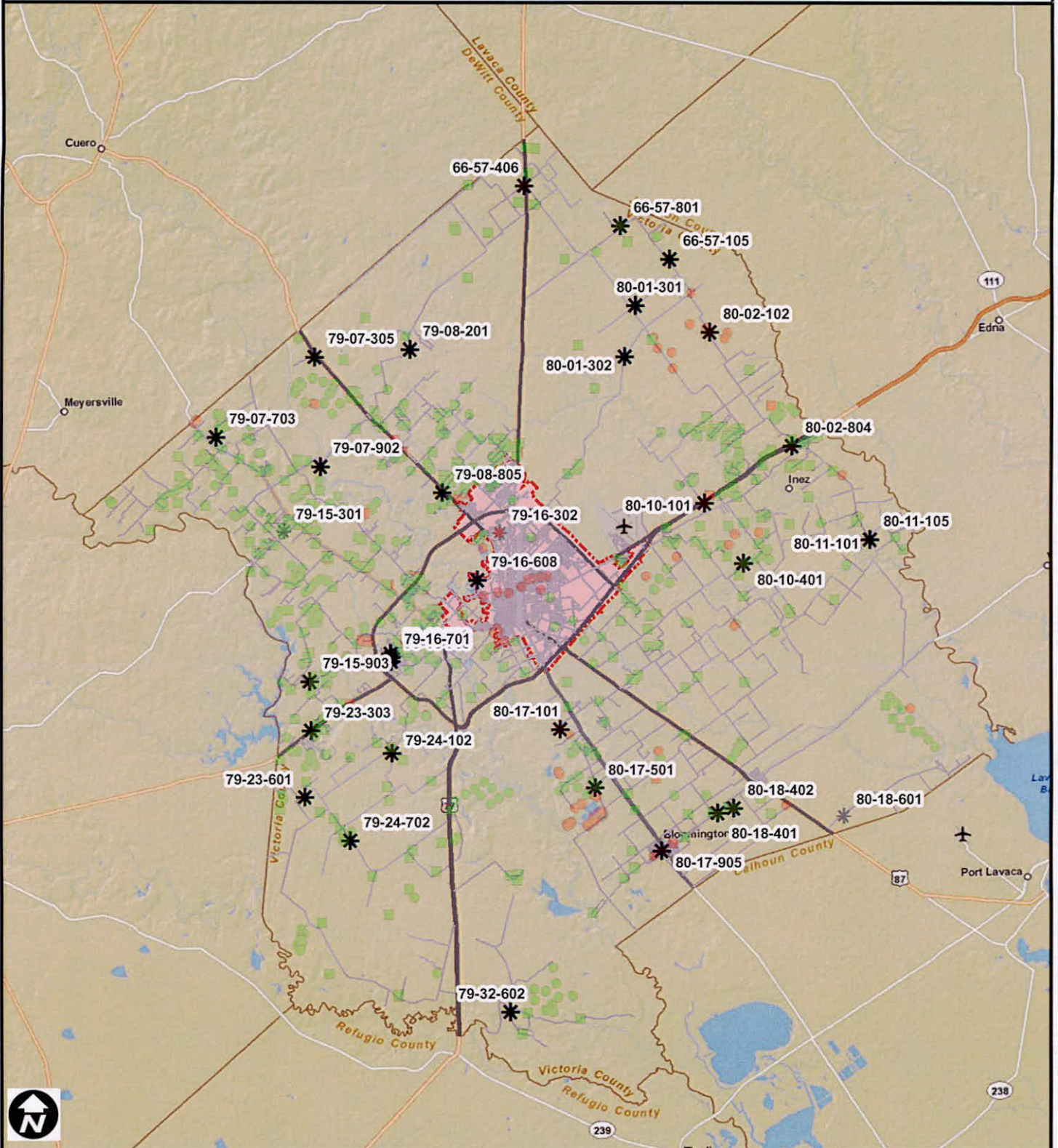


Victoria County Groundwater Conservation District
 2805 N. Navarro St, Suite 210, Victoria, TX 77901
 Phone: (361) 579 - 6863 | FAX: (361) 579 - 0041
 www.vcgcd.org | admin@vcgcd.org

Vicinity Map

Date: 10/24/2012

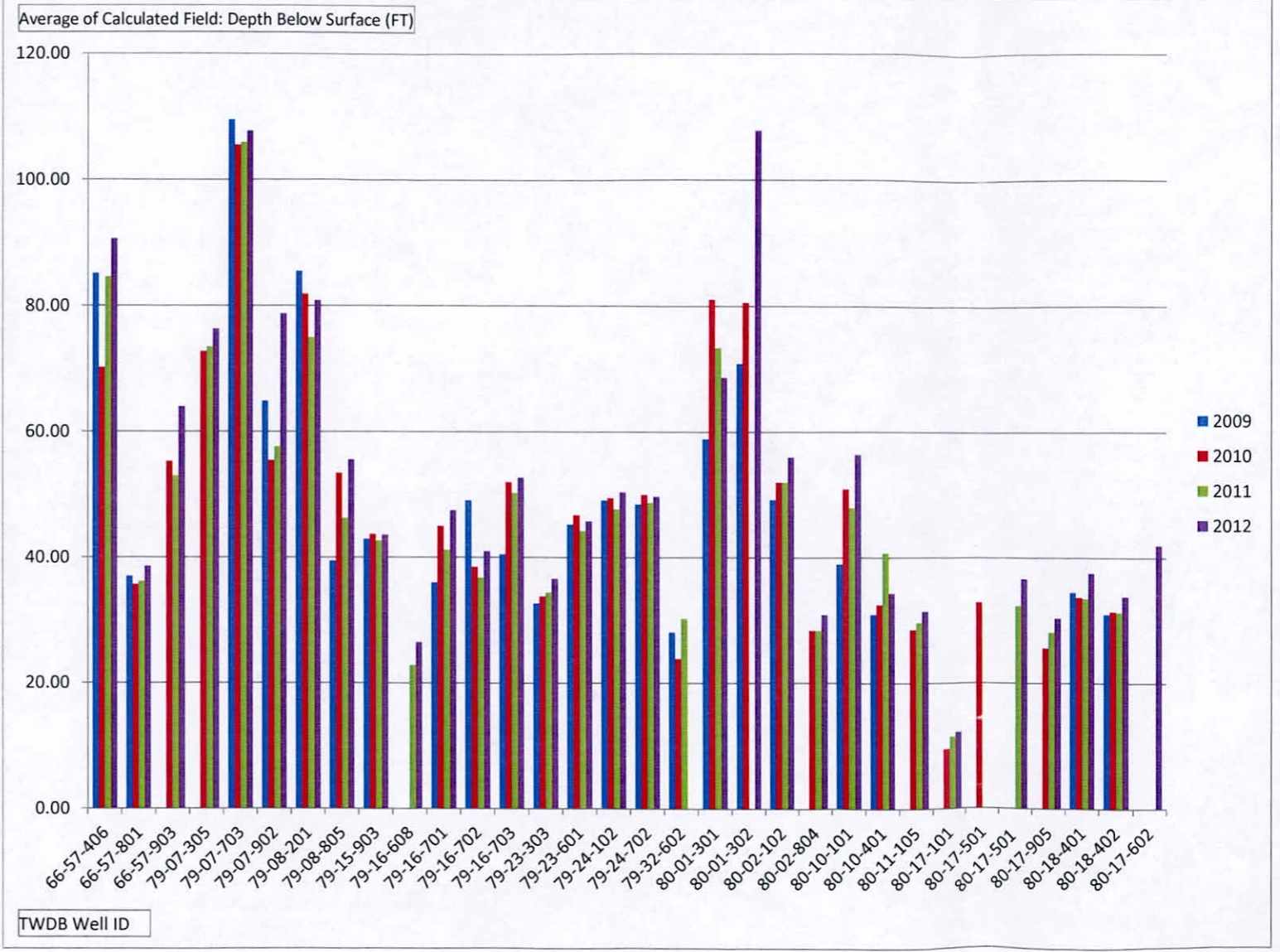
1 inch = 30,000 feet



Disclaimer: The records, files, and documents maintained by the Victoria County Groundwater Conservation District (District) contain data and information from many sources. The District can not guarantee the accuracy or validity of such data and information. The District specifically disclaims any warranty or guarantee relating to the accuracy or validity of any such data and information. All users of such data and information should conduct such investigation and review as necessary to independently determine the accuracy or validity of such data and information.

Average of Calculated Field: Depth Below Surface (FT)	2009	2010	2011	2012
66-57-406	85.20	70.20	84.60	90.70
66-57-801	37.00	35.70	36.20	38.60
66-57-903		55.30	53.00	64.00
79-07-305		72.80	73.50	76.35
79-07-703	109.60	105.55	106.00	107.80
79-07-902	64.90	55.45	57.65	78.80
79-08-201	85.50	81.90	75.00	80.90
79-08-805	39.50	53.45	46.25	55.60
79-15-903	42.92	43.70	42.70	43.60
79-16-608			22.80	26.50
79-16-701	36.00	45.00	41.20	47.50
79-16-702	49.10	38.50	36.80	41.00
79-16-703	40.50	52.00	50.30	52.75
79-23-303	32.70	33.80	34.40	36.65
79-23-601	45.30	46.75	44.25	45.80
79-24-102	49.10	49.50	47.70	50.40
79-24-702	48.50	50.00	48.75	49.70
79-32-602	28.10	23.90	30.30	
80-01-301	58.90	81.10	73.40	68.70
80-01-302	70.90	80.60		107.90
80-02-102	49.25	52.00	52.00	56.00
80-02-804		28.40	28.40	30.90
80-10-101	39.00	50.95	48.00	56.45
80-10-401	30.95	32.50	40.70	34.30
80-11-105		28.50	29.60	31.40
80-17-101		9.50	11.50	12.20
80-17-501		32.90		
80-17-501			32.30	36.65
80-17-905		25.60	28.15	30.35
80-18-401	34.50	33.70	33.50	37.55
80-18-402	31.00	31.40	31.30	33.80
80-17-602				42.00
Grand Total	50.38	48.30	46.22	52.16

Victoria County Groundwater Measurement Statistics: Yearly Average Depth Below Surface

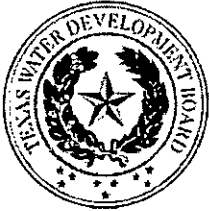


The Texas Manual on Rainwater Harvesting



Texas Water Development Board

Third Edition



**Texas Water Development Board
Report 362**

**Water Conservation Implementation
Task Force**

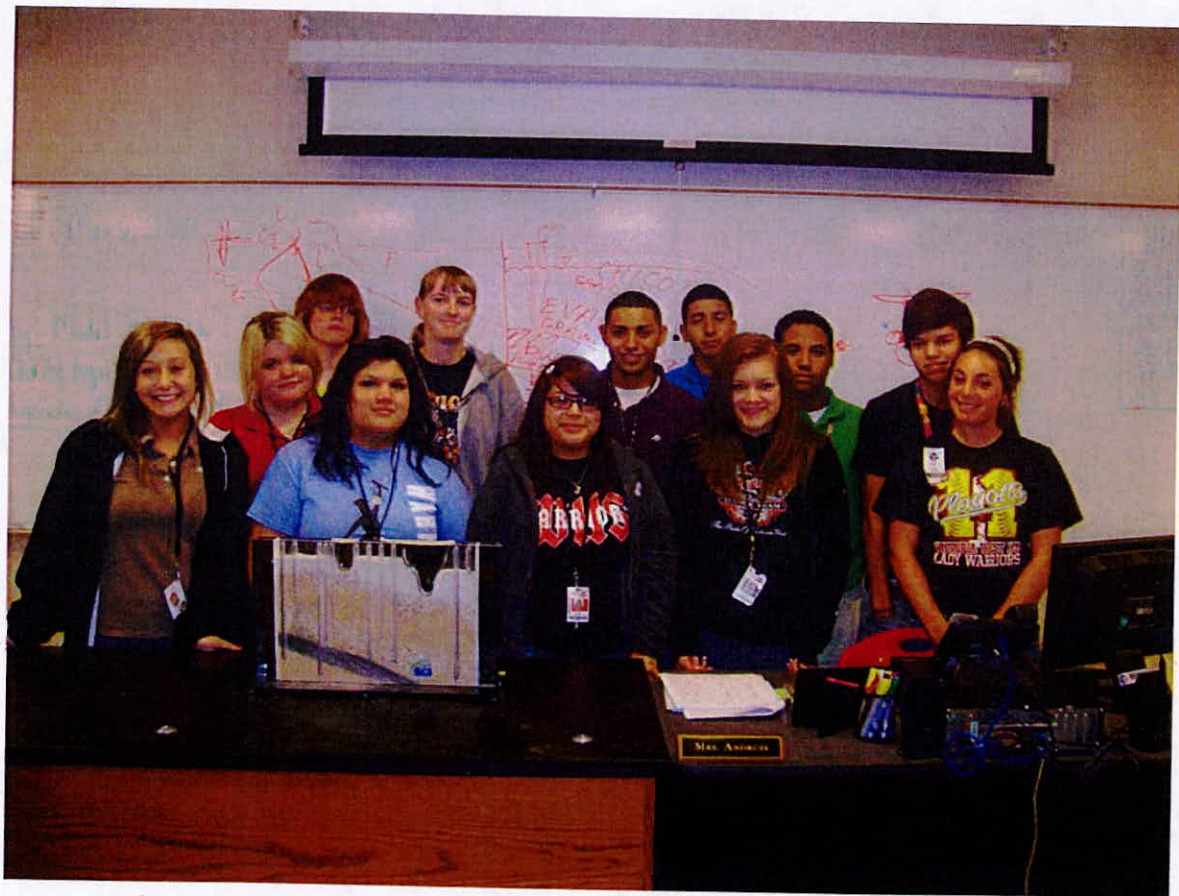
**Water Conservation
Best Management Practices Guide**

November 2004

Appendix C
Technical Evaluation Procedures for
Edwards Aquifer Recharge Enhancement

**Victoria County Groundwater
Conservation District
Water Conservation Education Program
2010 - 2011**

**Final Project Report:
Water Analysis in Victoria County
Victoria West High School
Submitted by Denise Andruss
Aquatic Science Instructor**



Agriculture is Life!

Effects of Brush Management on Water Resources

By:

C. Allan Jones and Lucas Gregory, Texas Water Resources Institute, Texas A&M AgriLife

**Texas Water Resources Institute Technical Report
November 2008**



**SOUTH TEXAS
FARM & RANCH
SHOW**

South Texas Farm and Ranch Show
P O Box 1045
Victoria Texas 77902

To: 2012 STFRS Exhibitor

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See you at our show October 24-25, 2012

Thank you,



Joe Janak
Exhibit Booth Chairman
Email: joejanak@nodial.net
Ph #: 361-649-2243

Encl. – (All attachments print on 8.5" x 11" paper except the show flyer)

Exhibitor booth receipt

STFRS booth layout

STFRS rules and regs.

STFRS flyer



SOUTH TEXAS FARM & RANCH SHOW

South Texas Farm and Ranch Show
P O Box 1045
Victoria Texas 77902

Receipt for

2012 South Texas Farm and Ranch Show exhibitor booth space

Received from: Victoria County Groundwater District

For Exhibitor Booth Space #: 46

Amount Paid: \$460

Amount Due: 0

Check #: 2427

See you at our show October 24-25, 2012

Thank you,

Joe Janak
Exhibit Booth Chairman
Email: joejanak@nodial.net
Ph #: 361-649-2243

2012
South Texas Farm & Ranch Show Speakers

1. Anderson, Dr. David - Extension Economist, Texas A&M AgriLife Extension Service, College Station, TX.
2. Appel, Dr. David - Extension Plant Pathologist, Texas A&M AgriLife Extension Service, College Station, TX.
3. Bade, Dr. David - Pennington Seed, College Station, TX.
4. Baker, Greg - Texas Department of Agriculture Pesticide Specialist, Matagorda, TX.
5. Barton, Melissa - Texas Department of Agriculture Pesticide Specialist, Victoria, TX.
6. Blakely, Doc - Wharton, TX.
7. Brooks, Rob - Dow AgroSciences, China, TX.
8. Clayton, Dr. Megan - Extension Range Specialist, Texas A&M AgriLife Extension Service, Corpus Christi, TX.
9. Damborsky, Ryan - Calhoun Co. Extension Agent Ag/NR, Texas A&M AgriLife Extension Service, Port Lavaca, TX.
10. Etheredge, Luke - Monsanto, Llano, TX.
11. Grymes, Dr. Charlie - Dupont Crop Protection, Inez, TX.
12. Hargis, Van - Victoria, TX.
13. Humphreys, Joe - UH-V Small Business Development Center, Victoria, TX.
14. McAfee, Dr. James - Extension Turfgrass Specialist, Texas A&M AgriLife Extension Service, Dallas, TX.
15. O'Connor, T. Michael - Victoria County Sheriff, Victoria, TX.
16. Outlaw, Dr. Joe, Extension Economist, Texas A&M AgriLife Extension Service, College Station, TX.
17. Paschal, Dr. Joe - Extension Livestock Specialist, Texas A&M AgriLife Extension Service, Corpus Christi, TX.
18. Robinson, Dr. John - Extension Economist, Texas A&M AgriLife Extension Service, College Station, TX.
19. Stein, Dr. Larry - Extension Horticulture Specialist, Texas A&M AgriLife Extension Service, Uvalde, TX.
20. Stephens, Garry - Biologist, USDA-NRCS, Corpus Christi, TX.
21. Welch, Dr. Mark - Extension Economist - Texas A&M AgriLife Extension Service, College Station, TX.
22. Yanta, Brian - Goliad County Extension Agent, AG/NR, Texas A&M AgriLife Extension Service, Goliad, TX.
23. Veterinarians: Larry Garrett, D.V.M. - Cuero; Tom Moscatelli, D.V.M. - Victoria; Lois Cochran, D.V.M. - Cuero; Sam Williams, D.V.M. - Victoria.
24. Pasture to Plate - Various Speakers
25. Young, Mac, Extension Program Specialist, Texas A&M AgriLife Extension Service, Corpus Christi

2012 PASTURE TO PLATE
Wednesday & Thursday
9 a.m. — 2 p.m.

Educational program for 3rd graders in Victoria County
Sessions Offered: Balancing Food & Play, MyPlate, Moo U, Meet Your Meat, Pizza Garden, From Fisherman to Fork, Farm in My Lunch Box
RSVP: By Friday, September 21st, 2012,
Texas A&M AgriLife Extension Service
361-575-4581
SPACE IS LIMITED

Extension programs serve people of all ages regardless of socioeconomic level, race, color, sex, religion, disability or national origin. The Texas A&M University System, U.S. Department of Agriculture, and the County Commissioners Courts of Texas cooperating.

8th ANNUAL SCHOLARSHIP
GOLF TOURNAMENT

Proceeds benefit area youth

Date: Tuesday, October 23, 2012
Time: 8:00 a.m. Tee Time
Where: Colony Creek Country Club,
Victoria, TX
Contact: David Dierlam, 361-575-3224 or Gill
Dollins, 361-573-3371 for arrangements.

Come play for your chance on a "hole in one" to win a new 3/4 Ton Silverado Chevrolet Truck sponsored by Atzenhoffer Chevrolet. Winner is responsible for TTL on truck.



Purchase your LUNCH TICKETS by Mon., Oct. 22nd,
5:00 p.m. from Victoria County Extension Office
528 Waco Circle (Airport area)

Excellent Programs & Luncheons



SHOW SCHOLARSHIPS:

The South Texas Farm & Ranch Show awarded scholarships totaling \$12,250 to seniors in 2012. Since 1991, the South Texas Farm & Ranch Show has awarded \$109,750 to deserving high school seniors pursuing an agriculture related degree.

2012 recipients are:

Kelly Garrett	Cuero	\$1750
Kelli Rothmann	Calhoun	\$1500
Cody Malaer	Calhoun	\$1250
Caitlin Orsak	Sacred Heart	\$1250
Kimberly Depine	Victoria East	\$1250
Kelsea Hempel	St. Joseph	\$1250
Breanna Tater	Industrial	\$1000
James Studer	Industrial	\$1000
Bradley Berkenhoff	Moulton	\$1000
Ryan Hessler	Industrial	\$1000

Congratulations!



Color Photos by Hartman Creative Images

\$1,000 Show Sponsors



\$500 Sponsors

Capital Farm Credit
Dow Chemical Company
DuPont Crop Protection
First Victoria Bank
Goldman, Hunt, & Notz, LLC
New Distributing, Inc.
NewFirst National Bank
South Texas Electric Cooperative
Toyota of Victoria
TrustTexas Bank
Vic-Cal Grain Company

\$250 Sponsors

Helena Chemical Co.
IBC Port Lavaca
Killebrew Chrysler Jeep Dodge
Rice Belt Warehouse, Inc.
Sonic of Victoria & Port Lavaca
South Texas Cotton & Grain Association
Texas AgFinance
Texas Corn Producers
Texas Grain Sorghum Producers
Wells Fargo Bank, N.A.

Coordinated by:

South Texas Farm & Ranch Show Committee
Texas A&M AgriLife Extension Service - Victoria
County

Individuals with disabilities who require an auxiliary aid, service or accommodations in order to participate in these meetings are encouraged to contact the County Extension Office at (361) 575-4581 to determine how reasonable accommodations can be made.

Our 28th Show

2012
South Texas Farm & Ranch Show



<http://southtexasfarmandranchshow.com>

October 24 — 25, 2012

Victoria Community Center
2905 E. North St.
Victoria, Texas
Phone # 361-575-4581



Like



FREE ADMISSION
to show;
\$10.00 per person per
day to
attend educational
programs.

OVER 125 EXHIBIT BOOTHS

TEXAS A&M
AGRI LIFE
EXTENSION

CEU's Offered:
TDA: 10 hours
 1-L&R, 2-IPM, 7-Gen.
BQA: 4 hours

SOUTH TEXAS FARM & RANCH SHOW SCHEDULE

Numbers listed represent speaker's names on reverse side.

\$10/person/day admission
 to attend any/all educational programs
 except for Lunch and Dinner

Wednesday, Oct. 24, 2012	Dome, Arena, Grounds	Jaycee Hall	Annex 1 (Stage Area)	Annex 2	Annex 3	
7:00 a.m.		Registration / Breakfast Sponsored by First Victoria; South Texas Electric Cooperative		Registration / Breakfast Sponsored by New Distributing; DuPont Crop Protection	Registration / Breakfast Sponsored by Vic-Cal Grain Company; NewFirst National Bank	
7:30- 10 a.m.		CATTLEMEN'S COLLEGE: Rebuilding the Cow Herd1 Beef Market Outlook8 Are your Pastures Ready for Restocking?17 Options for Rebuilding Your Herd17 TDA- 1 Gen BQA- 4		AGRICULTURAL ENTERPRISE FINANCIAL MANAGEMENT: Learning Financial Lingos13 Cash Flow Analysis in Agriculture13 Farm Assistance Program—Financial Planning and Analysis25 TDA- 1 Gen	PESTICIDE LICENSE TRAINING9, 22 (To obtain a license)	
10- 11 a.m.	See 125 Farm & Ranch Exhibit Booths Open 10:00 a.m. to 6:30 p.m. No Admission Fee	PASTURE TO PLATE (9:00 a.m. - 2:00 p.m.) Pre-registered 3rd Grade Youth Program 24		Pesticide Laws and Regulations4, 5 TDA- 1 L&R		
11 - 12 noon						
12 - 1 p.m.					LUNCHEON: BORDER SECURITY, CHALLENGES FOR LANDOWNERS AND LAW ENFORCEMENT T. Michael O'Connor, Victoria County SheriffTickets - \$8.00	
1:30 - 2 p.m.					FARM POLICY UPDATE AND MARKET OUTLOOK	PESTICIDE LICENSE TESTING 4, 5
2 - 3 p.m.					Feed Grain Market Outlook21 Cotton Market Outlook18 Farm Bill Update16 TDA- 1 Gen	TURFGRASS MANAGEMENT: Selection and Care of Home Lawns14 TDA- 1 Gen
3 - 4 p.m.						
4 - 5:30 p.m.		HORSE TRAINING WORKSHOP—ARENA12				
6-9 p.m.				GOLDEN CRESCENT VET RANCH SEMINAR & BBQ DINNER: \$9 Pre-Sale \$10.00 at the door - Replacement Female Selection, Beginning Goat Management, Veterinary/ Client Communication, Pregnancy Loss in Cattle, Goats for Brush Control23		
Thursday Oct. 25, 2012	Dome, Arena, Grounds	Jaycee Hall	Annex 1 (Stage Area)	Annex 2	Annex 3	
6:30 a.m.		Registration / Breakfast Sponsored by Capital Farm Credit; Toyota of Victoria		Registration / Breakfast Sponsored by Dow Chemical Company; TrustTexas Bank		
7:00a.m.		CATTLEMEN'S COLLEGE: Grazing Management (Optimizing Forage Productivity) New developments in Pasture Herbicides7, 11 Pasture Renovation and Recovery with Herbicides8 Practical Application of Soil Surveys20 Supplementing Nitrogen with Legumes3 TDA- 2 Gen BQA- 2		NEW TECHNOLOGIES IN ROW CROP PRODUCTION Managing Weed resistance10 Dicamba Tolerant Cotton - Monsanto10 TDA- 2 GEN		
8 - 10 a.m.						
10 - 11 a.m.	See 125 Farm & Ranch Exhibit Booths Open 10:00 a.m. to 5:00 p.m. No Admission Fee	PASTURE TO PLATE (9:00 a.m. - 2:00 p.m.) Pre-registered 3rd Grade Youth Program 24		TREE SYMPOSIUM Drought Effects on Trees Critical Texas Tree Diseases Tree Replacement Options2 TDA- 1 Gen, 1 IPM		
11 - 12 noon						
12 - 1 p.m.					LUNCHEON: STUFF THAT WORKS Doc Blakely—HumoristTickets - \$8.00	
1:30 - 2 p.m.						HOME FRUIT AND NUT PRODUCTION19 TDA- 1 Gen, 1 IPM
2 - 3 p.m.						
3 - 3:30 p.m.						
3:30-5 p.m.		HORSE TRAINING WORKSHOP—ARENA12				



T. Michael O'Connor

**Purchase your
LUNCH TICKETS
by Oct. 22nd, 5:00 p.m.
from Victoria County
Extension Office
528 Waco Circle
(Airport area)**

Luncheon Sponsors:

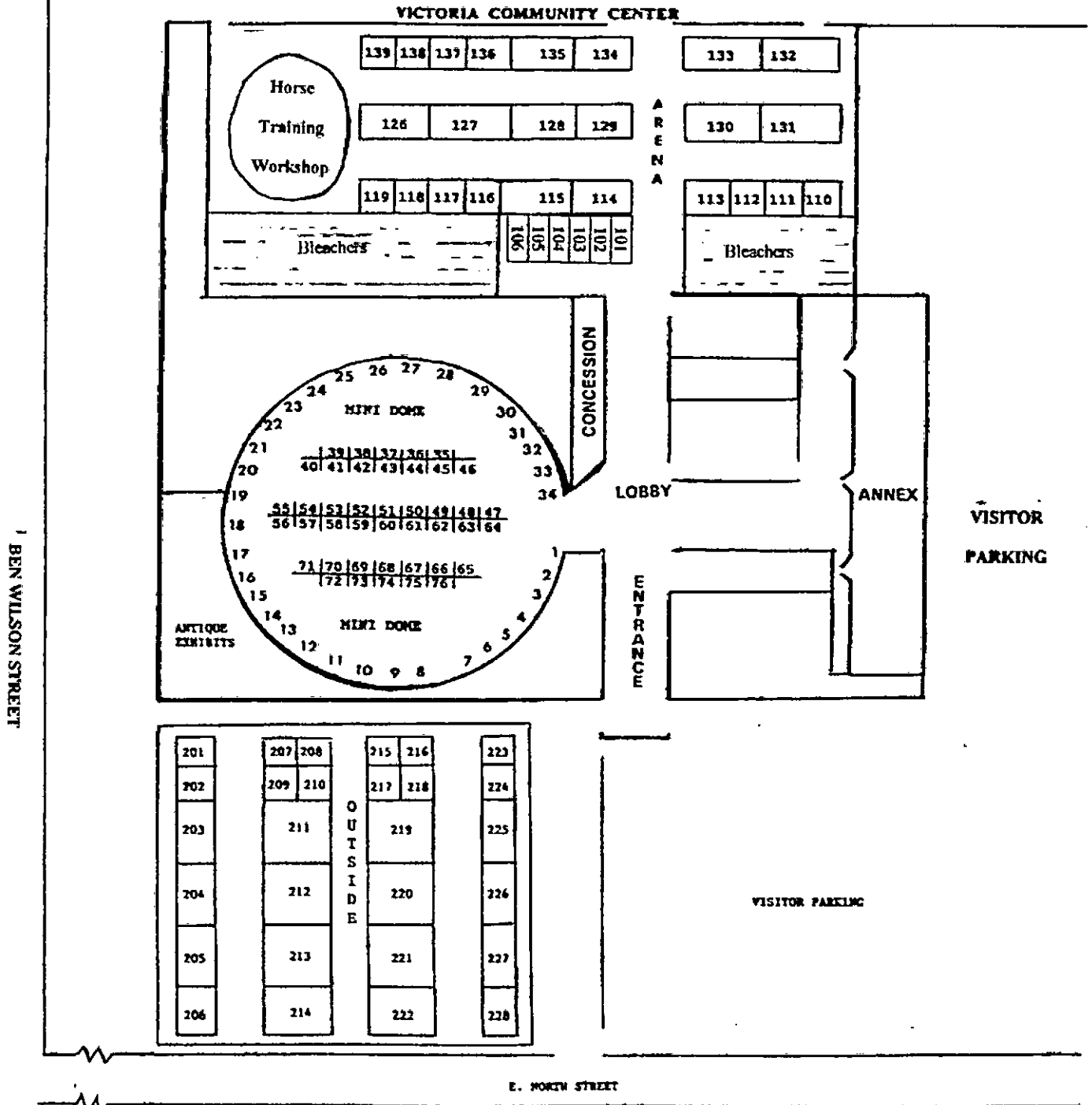


Doc Blakely

SOUTH TEXAS FARM & RANCH SHOW

Victoria Community Center

Map is not to scale.



RULES AND REGULATIONS FOR EXHIBITORS

1. Sponsorship/Purpose

The Victoria South Texas Farm & Ranch Show (hereinafter referred to as "STFRS") is a non-profit show coordinated by a committee of volunteers organized by Victoria-South Texas Farm & Ranch Show, Incorporated. Its purpose is to foster acceptance of new technology and improve agricultural management techniques for farmers, ranchers and agribusinesses through coordination and sponsorship of activities such as the Farm & Ranch Show. The show enables attendees to see, hear and question the latest developments in equipment, supplies and services which are available to them.

2. General

The STFRS shall have full power to interpret these regulations. Matters not covered by the regulations shall be subject to a final decision by the STFRS steering committee. These regulations may be amended at any time by the STFRS upon written notice by the STFRS to such exhibitors as may be affected by them. The "Exhibitor Contract" form, when executed properly, shall be considered a binding agreement between the two parties. Exhibitors shall abide by federal, state and city laws, ordinances and regulations. Communication with reference to the STFRS should be addressed to: Gary Loest, Chairman; South Texas Farm & Ranch Show; 313 Kolodzey Rd., Victoria, TX 77905.

3. Eligible Exhibits

The STFRS reserves the right to determine the eligibility of any company, product, promotion or part thereof that, in its opinion, is not in keeping with the character and purpose of the show. Combustion engines will not be permitted to operate in the Mini Dome or arena areas.

4. Exhibit Dates, Days, Location

The South Texas Farm & Ranch Show will be located in the Victoria Community Center, Victoria, TX. The dates are as follows:

Tuesday, October 23	
Exhibitor Move-In	
Arena & Outside	8:00 a.m. - 5:00 p.m.
Mini Dome	Noon - 5:00 p.m.
Wednesday, October 24	
Show Opens	10:00 a.m.
Doors Close	7:00 p.m.
Thursday, October 25	
Show Opens	10:00 a.m.
Doors Close	5:00 p.m.
Move-Out Begins	5:00 p.m.
Friday, October 26	
Move-Out Completed	8:00 a.m. - 12 Noon

5. Assignment of Space

Priority will be given applicants according to when their request is received, availability of requested area, the amount of space requested and the special needs and compatibility of exhibitors. For safety precautions and in the event of conditions beyond its control, the STFRS reserves the right to rearrange the floor plan and relocate any exhibit upon consultation with any exhibitor. Please contact Vikki Fitzpatrick, P.O. Box 1045, Victoria, TX 77902, (361) 575-4581, for booth assignment.

6. Payment

Payment in full for exhibit space is due and payable when application is signed and sent to the STFRS. Exhibitors may not occupy assigned spaces until all monies due the STFRS are paid in full. Any applications received after September 1, 2012 will be charged an additional 10% late fee. Make checks payable to the South Texas Farm & Ranch Show.

7. Refunds for Cancellation

If written notice of space cancellation is received by the STFRS prior to October 1, 2012, 50% of the monies received will be refunded. No refund will be made for cancellations on or after October 1, 2012. Any space not occupied by 10:00 a.m. Wednesday, October 24, shall revert to the STFRS without obligation on the part of the exhibitor for any refund whatsoever.

Email address:

info@southtexasfarmandranchshow.com

Web page address:

<http://southtexasfarmandranchshow.com>

8. Booth Equipment

Standard booth equipment consisting of backdrop and sidedrop curtains with frame, 1 draped table and 2 chairs per space are included with Mini Dome exhibit spaces. A standard sign bearing the company name is furnished for the backdrop at no extra charge. One 110-volt electrical outlet per space is furnished for spaces in the Mini Dome area. Spaces located in the arena area will be furnished with 1 draped table and 2 chairs per space, a standard sign bearing the company name and access to one 110-volt electrical outlet where needed. Must furnish own cords. Additional equipment, decoration, etc. may be obtained from the official contractor at the expense of the exhibitor. Exhibitors in outside booths must furnish own table and chairs or STFRS will supply 1 table and 2 chairs for \$40.00 per exhibitor. A standard sign bearing company name will be furnished upon request. Please let the STFRS know at least 14 days before set-up.

9. Booth Size

Booth size shall be determined as follows: An approximate 8'x9.5' Mini Dome space shall be approximately 8.5 ft. wide and approximately 8 ft. deep; an approximate 10'x10' Arena space shall be approximately 10 ft. wide and approximately 10 ft. deep; an approximate 20'x23' Arena space shall be approximately 20 ft. wide and approximately 23 ft. deep; an approximate 40'x23' Arena space shall be approximately 40 ft. wide and approximately 23 ft. deep; an approximate 20'x20' Outside space shall be approximately 20 feet deep and approximately 20 feet wide; an approximate 40'x40' Outside space shall be approximately 40 feet wide and approximately 40 feet deep.

10. Exhibitor Housing

Information on local hotel and motel accommodations will be forwarded to all exhibitors after space has been confirmed, all exhibitors will be responsible for making their own reservations for housing.

11. Subletting of Space

Exhibitors shall not assign or sublet any space allocated to them and may not advertise or display goods other than those manufactured or sold by them in the regular course of their business. The space assigned to the exhibitor is for exclusive use.

12. Delivery of Equipment

Each exhibitor will be responsible for the delivery of his equipment and/or display material to the exhibit hall and for removal of the equipment and/or display material. Fork lift service will be provided free of charge to all exhibitors requiring such services from 8:00 a.m. - 5:00 p.m. on Tuesday, October 23, for unloading and beginning at 8:00 a.m. - 12 noon, Friday, October 26, for loading. An additional \$100 charge per item fork lift charge will be made after these specified times.

13. Equipment Shipment

Exhibitors who must ship exhibit or demonstration supplies or equipment to the show should address the items to: Victoria Community Center; South Texas Farm & Ranch Show, Booth # ____; 2805 E. North Street; Victoria, TX 77901. Arrangements must be made by the exhibitor for unloading all items. Please notify John Stockbauer at (361) 573-2497 that such items will be arriving.

14. Installation of Exhibits

Installation of exhibits at the Community Center may commence at 8:00 a.m., Tuesday, October 23 (Noon for exhibits in the Mini Dome), with completion of move-in no later than 5:00 p.m., Tuesday, October 23. All exhibits are required to be operational by Wednesday, October 24, at 10:00 a.m. Exhibitors with exhibit spaces in the Mini Dome area will not be allowed to exhibit products or equipment that may damage the linoleum flooring. Weight of the exhibit shall not exceed 2,000 lbs. and must meet approval of STFRS Show Committee. Exhibit items in the Mini Dome must not exceed the size of the entry doors that are available for use. The dimensions of these entry doors are as follows: Mini Dome area 10 ft 6 in height x 12 ft 7 in width; Arena area - 14 ft height x 15 ft width. Exhibitors with outside exhibit spaces shall be responsible for any damages done to the outside parking lot when setting up.

15. No Flammable Materials

Combustible decorations such as crepe paper, hay, tissue paper, cardboard, corrugated paper shall not be used. All packing containers, excelsior, wrapping paper, etc. are to be removed from the floor and must not be stored under tables or behind displays.

16. Dismantling and Removal of Exhibits

ALL EXHIBITS MUST REMAIN INTACT UNTIL CLOSING! Exhibit closing time is 5:00 p.m. on Thursday, October 25, and may not be dismantled or removed before that hour. **NO LARGE EQUIPMENT WILL BE MOVED UNTIL SHOW CLOSING AT 5:00 P.M.!** All exhibits must be dismantled, packed and removed by 12 Noon, Friday, October 26. Exhibitors will complete arrangements for prompt pickup of all outbound shipments. Forklift services will be available to assist the exhibitor from 8:00 a.m. - 12 Noon on Friday, October 26. An additional \$100 charge per item forklift charge will be made after these specified times. Exhibitors with outside exhibit spaces shall be responsible for any damages done to the outside parking lot when dismantling and removing exhibits.

17. Booth Construction and Arrangements

No display may extend beyond the following dimensions: higher than 8 feet from the back wall to 3 feet forward of the back wall and nothing over 42 inches in height shall extend forward for the remaining space to the front of the booth. All exposed parts of the display must be finished so as not to be objectionable to other exhibitors and/or the STFRS, or such will be draped by the STFRS and billed to the exhibitor. The only exception to this rule may be equipment booths, upon approval of the STFRS. Generators may be used for outside booths only and must be placed away from other exhibitors in the parking lot perimeter using an extension cord to run in booth. Noise level must not disturb other exhibitors.

18. Care of Exhibit Space

The STFRS will arrange for the sweeping of aisles daily. The exhibitors shall keep the space occupied by him in good order. Exhibitors may not place anything in the aisles during open hours of the show.

19. Booth Attendants

Each exhibitor must keep an attendant in his display during the open hours of the exhibits. All attendants must be bonafide employees or representatives of exhibitor.

20. Registration and Badges

All badges for a company will be held at the exhibitors' registration area under the company name. Admission to all show related hospitality functions will require a name badge.

21. Canvassing by Non-Exhibitors

The exhibit is limited to individuals, business firms, manufacturers, professional organizations and dealers who have contracted and paid for space assignments. No other persons or concerns will be permitted to demonstrate their products, solicit orders or distribute advertising materials in the convention facilities.

22. Distribution of Advertising Material

Circulars or advertising matter of the exhibitors may only be distributed within the booth assigned to the exhibitor. Such materials may not be distributed in areas other than the show facilities.

23. Liability

The exhibitor agrees to defend, indemnify and hold harmless the Victoria-South Texas Farm & Ranch Show, Incorporated, its Steering Committee, Victoria County Extension Service, Texas AgriLife Extension Service and the officers, agents, employees and volunteers from all actions, suits, claims, damages, losses and expenses including interest and attorney fees in connection with any personal injuries or property damages arising out of or in any way connected with the use of the exhibit space of the Victoria Community Center, its premises or any of the facilities or equipment located thereon, regardless of whether such damage or injuries are caused in part by someone other than the exhibitor.

Donna Yanta

From: JoeJanak <joejanak@nodial.net>
Sent: Thursday, October 04, 2012 8:08 PM
To: admin@vcgcd.org
Subject: South Texas Farm & Ranch Show
Attachments: STFRS Exhibitor confirmation letter.doc; STFRS Exhibitor Booth Layout .pdf; 2012 STFRS Flyer - 8.5x14 inch paper.pdf; STFRS Contract Rules & Regs.2012.pdf; Victoria County ceipt.doc



SOUTH TEXAS FARM & RANCH SHOW

South Texas Farm and Ranch Show
P O Box 1045
Victoria Texas 77902

To: 2012 STFRS Exhibitor

Please respond by email when you receive this so we know your email is good.

We have your space reserved at the South Texas Farm & Ranch Show to be held in Victoria, Texas October 24 – 25, 2012 and are glad you are going to be a big part of our 28th show. See attached receipt for your exhibit booth number(s).

Our show booths are nearly all full and we anticipate a great show of exhibitors as well as attendees. Remember, setup is October 23rd (after noon in the mini-dome) and teardown after 5 p.m. on the 25th or before noon on the 26th.

Besides you and our other exhibitors, we have a great lineup of educational programs for our visitors. See the attached show flyer which prints two-sided on 8.5" x 14" paper. Please send this digitally to your clientele so they can come see you at the show. If you want several hundred slick-printed paper copies of the flyer to hand out to clientele, request these from the Victoria County Extension office at 361-575-4581.

With this letter, find a receipt showing your company's booth space and payment which you can print for your records. Also for your convenience, find the booth layout and the show's rules and regulations.

After reviewing your contract and information, if you need additional items such as extra tables, carpet, etc. please give me a call otherwise the normal booth allocation will be provided.

See you at our show October 24-25, 2012

Thank you,

Joe Janak

Joe Janak
Exhibit Booth Chairman
Email: joejanak@nodial.net
Ph #: 361-649-2243

Encl. – (All attachments print on 8.5" x 11" paper except the show flyer)

Exhibitor booth receipt

STFRS booth layout

STFRS rules and regs.

STFRS flyer

9th Annual

Received
5-2-12 by
in the office of



SOUTH TEXAS FARM & RANCH SHOW

GOLF TOURNAMENT
4-Man Scramble

Tuesday, October 23, 2012

Tee Time: 8:00 a.m.

@ Colony Creek Country Club

*Watch for details beginning in August
on our website:*

www.southtexasfarmandranchshow.com

Official Show Dates:

Wednesday & Thursday, October 24 & 25, 2012

Join Us!

**Proceeds benefit the
South Texas Farm & Ranch Show
Scholarship Fund!**

**If interested in playing
team or individual, please call either**

David Dierlam @ (361) 575-8655

or (361) 920-0250

Gill Dollins @ (361) 573-3371

or (361) 648-9698

What is Groundwater

Groundwater is water that is found underground in the cracks and spaces in soil and rock. Water that is stored underground and can be retrieved for human use is said to be contained within an aquifer. Aquifers can be found in almost any geographic area, however, their productivity can vary greatly. Flux of water in an aquifer is part of the hydrologic cycle. Precipitation and surface water may recharge an aquifer by infiltration through overlying soil and rock. This water can later be released by discharging at springs, lakes, or rivers, or by pumping at wells. Groundwater flow through and near aquifers can dissolve openings in soluble rock, creating caves.

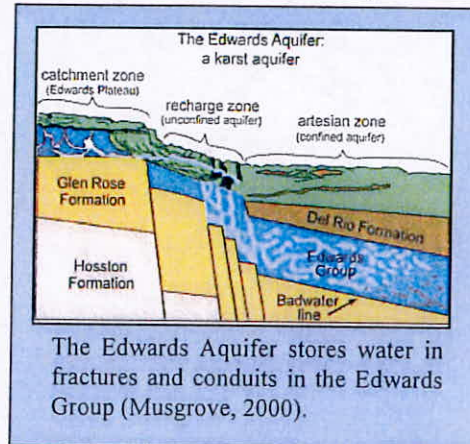
Why is Groundwater Important?

Although the majority of the Earth's surface is covered with oceans, seawater is salty and cannot be drunk by humans without extensive treatment. About a third of the freshwater on the planet is locked up in the form of ice, and freshwater in rivers and lakes is easily contaminated and greatly overused in many places. Further, some areas do not have rivers and lakes nearby. In areas such as San Antonio, nearly 100% of the water used is pumped from wells. Nationally, half of the population of the United States drinks groundwater, and most of the crops in the US are irrigated with groundwater.

Groundwater supports a unique array of biota in the caves, springs, and lakes associated with aquifers. Often, these organisms are limited in distribution and are therefore especially vulnerable to changes in the quantity and quality of water in aquifers.

People's Impact on Groundwater

Groundwater recharge in some areas can filter water of natural impurities, but in other areas the rapid rate of infiltration speeds contamination into aquifers. This is true not only of pollutants on the surface, but items we intentionally bury, such as gasoline tanks, septic systems, and landfills. Quick infiltration can carry these contaminants into aquifers, making the water source for many people undrinkable.



The rate of groundwater discharging to the surface naturally is controlled largely by the amount of recharge elsewhere. Humans modify this by pumping groundwater from wells. Areas such as Houston have pumped groundwater faster than it could be replaced, resulting in the permanent lowering of the ground surface. This subsidence damages buildings, roads, and pipelines, and makes areas more prone to flooding. Additionally, over-pumping in coastal areas can cause saltwater intrusion, making the groundwater undrinkable.

Groundwater's Impact on People

Development of cities and transportation patterns was historically controlled by the distribution of surface water, but groundwater certainly played a role. Groundwater discharging at springs served as the center of commerce in some areas. Communities could not exist in the absence of water. Today, development in some areas is regulated to protect our critical water resources.

Future of Our Groundwater

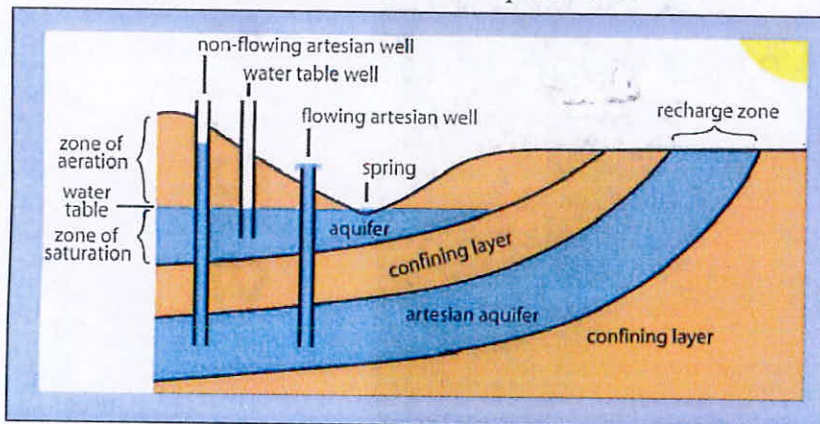
The future of our groundwater resources depends on protection of aquifers from pollution and conservation of water to prevent over-use.

Definition of an Aquifer

An aquifer is a body of rock that can store and transmit significant quantities of water (Gunn, 2004). These characteristics vary according to porosity and permeability. Porosity is the percentage of open space in a rock. Permeability is the degree to which a rock allows the transmission of fluids through these pore spaces. Even if a rock has high porosity and contains water, it is not considered an aquifer unless it has high enough permeability to get the water out.

Parts of an Aquifer

Less permeable rock below an aquifer that keeps groundwater from draining away is called a confining bed (also known as aquitard or aquiclude). The water table in an aquifer is at



the very top of the zone of saturation (the zone where water completely fills all the interconnected pore spaces). Water in this zone is called phreatic water. Between the water table and the land surface is the zone of aeration, which can also contain some water (known as vadose water). At the bottom of the zone of aeration, water usually occurs a few centimeters above the water table due to capillary action. At the top of the zone of aeration, water may be held in the soil. Water in the intermediate area of the zone of aeration is usually moving down toward the zone of saturation.

When an aquifer is bounded on top and bottom by confining beds, it is called an artesian aquifer. Water enters an artesian aquifer where the confining layer is absent – the recharge zone. Water in an artesian aquifer is under pressure from the weight of the water at higher elevations. Because of this pressure, wells drilled into an artesian aquifer will have water forced up. If the water level is higher than the elevation of the land in the area, it is a flowing artesian well.

Types of Aquifers

By use: A primary aquifer is the single most important economic source of groundwater in an area. Aquifers supplying minor amounts are secondary aquifers. A sole source aquifer provides all of the drinking water to an area.

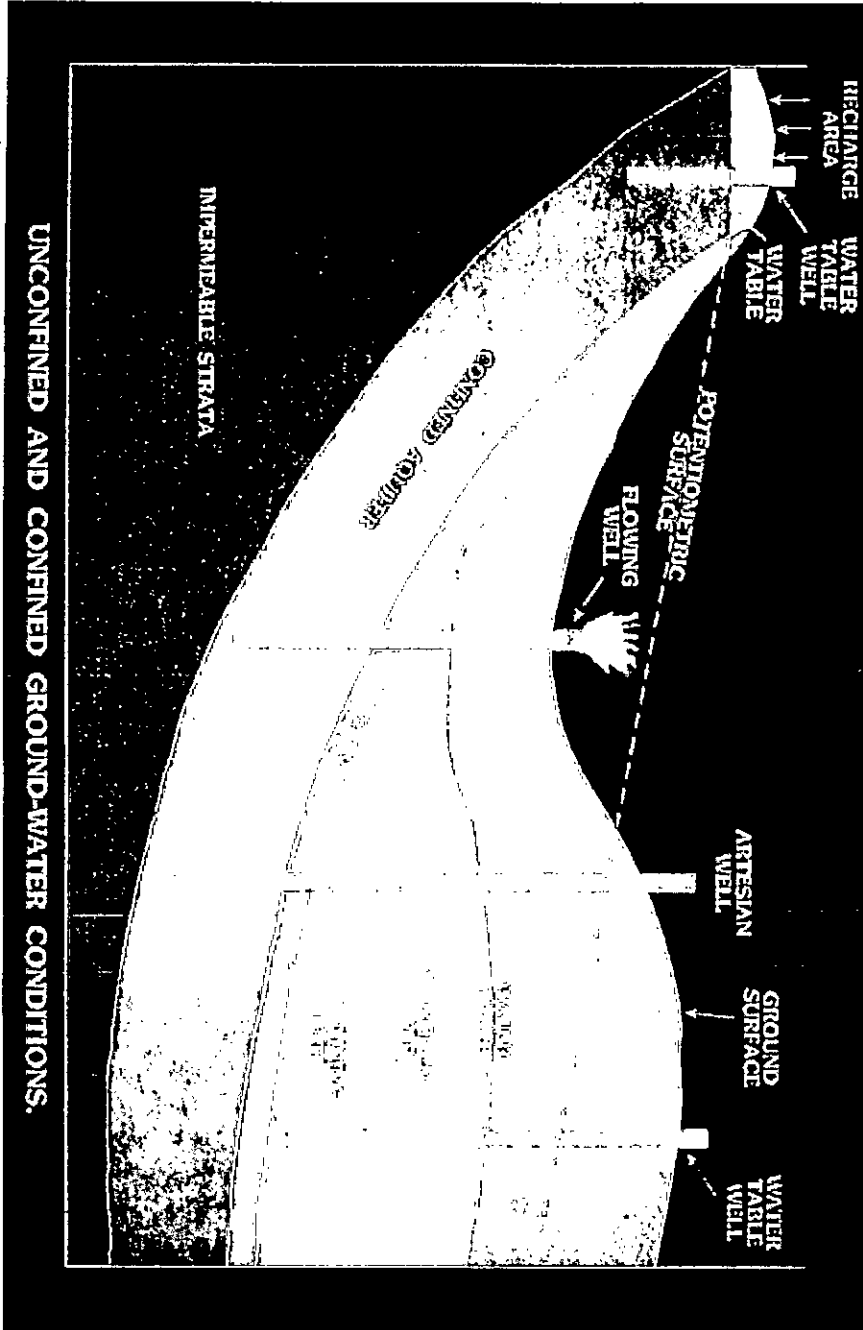
By location: Bedrock aquifers occur in consolidated rock. Surficial (or water table) aquifers occur in unconsolidated sediment between the soil and bedrock. Perched aquifers are small and separated from a main aquifer below it by a confining layer and a zone of aeration. Artesian aquifers are bounded above and below by confining beds.

By host rock: Most aquifers occur in carbonate, clastic, or volcanic rocks. Aquifers in carbonate rocks (also called karst aquifers) transmit water through fractures or dissolved passages. Clastic aquifers may be consolidated or unconsolidated and transmits water slowly through the spaces between sediments. Volcanic rocks, when fractured, can have very high permeability, but this type of aquifer is rare in Texas. Other rock types, such as granite in the Llano region of Texas, can also act as a local aquifer when fractured.

References

Gunn, J. 2004. Encyclopedia of Caves and Karst Science. Fitzroy Dearborn, New York, 902 pp.

Aquifers



Gulf Coast Aquifer

The Gulf Coast aquifer forms a wide belt along the Gulf of Mexico from Florida to Mexico. In Texas, the aquifer provides water to all or parts of 54 counties and extends from the Rio Grande northeastward to the Louisiana-Texas border. Municipal and irrigation uses account for 90 percent of the total pumpage from the aquifer. The Greater Houston metropolitan area is the largest municipal user, where well yields average about 1,600 gal/min.

The aquifer consists of complex interbedded clays, silts, sands, and gravels of Cenozoic age, which are hydrologically connected to form a large, leaky artesian aquifer system. This system comprises four major components consisting of the following generally recognized water-producing formations. The deepest is the Catahoula, which contains ground water near the outcrop in relatively restricted sand layers. Above the Catahoula is the Jasper aquifer, primarily contained within the Oakville Sandstone. The Burkeville confining layer separates the Jasper from the overlying Evangeline aquifer, which is contained within the Fleming and Goliad sands. The Chicot aquifer, or upper component of the Gulf Coast aquifer system, consists of the Lissie, Willis, Bentley, Montgomery, and Beaumont formations, and overlying alluvial deposits. Not all formations are present throughout the system, and nomenclature often differs from one end of the system to the other. Maximum total sand thickness ranges from 700 feet in the south to 1,300 feet in the northern extent.

Water quality is generally good in the shallower portion of the aquifer. Ground water containing less than 500 mg/l dissolved solids is usually encountered to a maximum depth of 3,200 feet in the aquifer from the San Antonio River Basin northeastward to Louisiana. From the San Antonio River Basin southwestward to Mexico, quality deterioration is evident in the form of increased chloride concentration and saltwater encroachment along the coast. Little of this ground water is suitable for prolonged irrigation due to either high salinity or alkalinity, or both. In several areas at or near the coast, including Galveston Island and the central and southern parts of Orange County, heavy municipal or industrial pumpage had previously caused an updip migration, or saltwater intrusion, of poor-quality water into the aquifer. Recent reductions in pumpage here have resulted in a stabilization and, in some cases, even improvement of ground-water quality.

Years of heavy pumpage for municipal and manufacturing use in portions of the aquifer have resulted in areas of significant water-level decline. Declines of 200 feet to 300 feet have been measured in some areas of eastern and southeastern Harris and northern Galveston counties. Other areas of significant water-level declines include the Kingsville area in Kleberg County and portions of Jefferson, Orange, and Wharton counties. Some of these declines have resulted in compaction of dewatered clays and significant land surface subsidence. Subsidence is generally less than 0.5 foot over most of the Texas coast, but has been as much as nine feet in Harris and surrounding counties. As a result, structural damage and flooding have occurred in many low-lying areas along Galveston Bay in Baytown, Texas City, and Houston. Conversion to surface-water use in many of the problem areas has reversed the decline trend.

References

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- Guyton, W.F., and Associates, 1972, Ground-water conditions in Anderson, Cherokee, Freestone, and Henderson counties, Texas: TWDB Rept. 150, 80 p.
- McCoy, T.W., 1990, Evaluation of ground-water resources in the Lower Rio Grande Valley, Texas: TWDB Rept. 316, 48 p.
- Muller, D.A., and Price, R.D., 1979, Ground-water availability in Texas, estimates and projections through 2030: TDWR Rept. 238, 77 p.
- Sandeen, W.M., and Wesselman, J.B., 1973, Ground-water resources of Brazoria County, Texas: TWDB Rept. 163, 205 p.
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- _____, 1970, Ground-water resources of Aransas County, Texas: TWDB Rept. 124, 83 p.
- Shafer, G.H., and Baker, E.T., Jr., 1973, Ground-water resources of Kleberg, Kenedy, and southern Jim Wells counties, Texas: TWDB Rept. 173, 69 p.
- Thorkildsen, D., 1990, Evaluation of water resources of Fort Bend County, Texas: TWDB Rept. 321, 21 p.
- Thorkildsen, D., and Quincy, R., 1990, Evaluation of water resources of Orange and eastern Jefferson counties, Texas: TWDB Rept. 320, 34 p.
- Wesselman, J.B., 1967, Ground-water resources of Jasper and Newton counties, Texas: TWDB Rept. 59, 167 p.
- Wesselman, J.B., and Aronow, S., 1971, Ground-water resources of Chambers and Jefferson counties, Texas: TWDB Rept. 133, 183 p.

Sources of Contamination

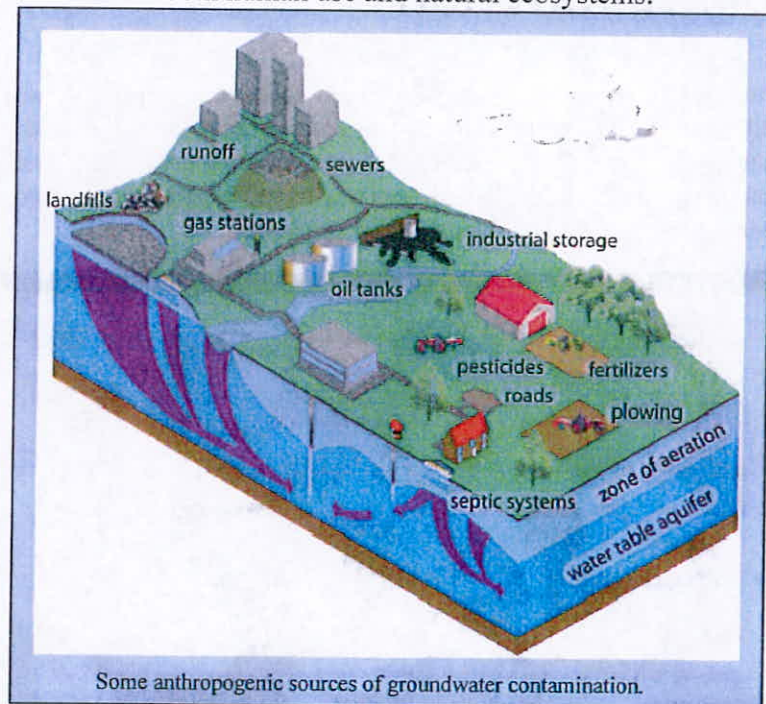
Contamination of groundwater is a serious problem because the pollutants often travel unnoticed until tested. This is especially problematic in karst aquifers because of the rapid movement of contaminants. Once contaminated, an aquifer is difficult to clean and the effects can linger for many years.

- Excess organic matter: farm animal wastes, leaky sewers and septic systems.
- Toxic organic compounds: landfills, gas stations, industrial sites, oil tanks, urban runoff.
- Acidic runoff: vehicle exhaust which forms acid rain.
- Dissolved salts: industrial sites, salt used to deice roads.
- Excess nitrates and phosphorous: fertilizers.
- Heavy metals: industrial sites and landfills.
- Microbial contaminants: animal and human wastes.
- Suspended sediment: plowing of fields, construction of roads and buildings, logging, urban runoff.
- Thermal pollution: industrial sites.
- Emerging contaminants: landfills, leaky sewers and septic systems. (Emerging contaminants are new pollutants, such as hormones and drugs, about which we do not yet understand the potential impacts.)
- Radioactive contaminants: wastewater discharge from factories, hospitals, and mines.

The most prevalent groundwater contaminant may be herbicides and pesticides. In a study of aquifers across the US, herbicides and pesticides were detected in about half (Barbash, 2001).

Contamination by Nature

Many of the items listed here as contaminants do occur naturally as well. Some are actually necessary to support healthy ecosystems. Organic matter, nitrates, and phosphorous all contribute to the diversity of life associated with groundwater. It is not the simple presence of these items that is problematic, but the excess amounts that pollutes groundwater resources for both human use and natural ecosystems.



Even when all precautions are taken, natural disturbances can impact groundwater quality. Storms can create large amounts of runoff that quickly carry pollutants into water supplies without being filtered. Fires can remove ground cover and cause increased sediment pollution. Landslides and earthquakes can break sewer lines and release contaminants from septic systems, landfills, and underground storage containers.

References

- Barbash, J. E., G. P. Thelin, D. W. Kolpin, and R. J. Gilliom. 2001. Major herbicides in ground water: results from the National Water-Quality Assessment. *Journal of Environmental Quality* 30:831-845.

leak bacteria, viruses, household chemicals, and other contaminants into the groundwater causing serious problems.

In the United States today, there are thought to be over 20,000 known abandoned and uncontrolled hazardous waste sites and the numbers grow every year. Hazardous waste sites can lead to groundwater contamination if there are barrels or other containers laying around that are full of hazardous materials. If there is a leak, these contaminants can eventually make their way down through the soil and into the groundwater.

Landfills are another major source of contamination. Landfills are the places that our garbage is taken to be buried. Landfills are supposed to have a protective bottom layer to prevent contaminants from getting into the water. However, if there is no layer or it is cracked, contaminants from the landfill (car battery acid, paint, household cleaners, etc.) can make their way down into the groundwater.

The widespread use of road salts and chemicals is another source of potential groundwater contamination. Road salts are used in the wintertime to put melt ice on roads to keep cars from sliding around. When the ice melts, the salt gets washed off the roads and eventually ends up in the water. Chemicals include products used on lawns and farm fields to kill weeds and insects and to fertilize the plants. When the rain comes, these chemicals get washed into the ground and eventually into the water.

We have to remember that since groundwater is part of the hydrologic cycle, contaminants in other parts of the cycle, such as the atmosphere or bodies of surface water, can eventually be transferred into our groundwater supplies.

So now that you know the risks to groundwater, what can we do about it? [Click here to meet and join a network of communities](#) full of people who can help you and your community protect its groundwater.

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Top 10 Ways to Protect and Conserve Groundwater

1. Dispose of chemicals properly.
2. Take used motor oil to a recycling center.
3. Limit the amount of fertilizer used on plants.
4. Take short showers.
5. Shut water off while brushing teeth.
6. Run full loads of dishes and laundry.
7. Check for leaky faucets and have them fixed.
8. Water plants only when necessary.
9. Keep a pitcher of drinking water in the refrigerator.
10. Get involved in water education.

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U.S. Environmental Protection Agency

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Water Trivia Facts

For Kids & Students

Grades K - 3

Grades 4 - 8

Grades 9 - 12

For Teachers

Grades K - 3

Grades 4 - 8

Grades 9 - 12

Games & Activities

Other Kids' Stuff

Kids' Health

1. Water is the only substance found on earth naturally in three forms.
True (Solid, liquid and gas)

2. Does water regulate the earth's temperature?
Yes (it is a natural insulator)

3. At what temperature does water freeze?
32 degrees F, 0 degrees C

4. At what temperature does water vaporize?
212 degrees F, 100 degrees C

5. How long can a person live without food?
More than a month
How long can a person live without water?
Approximately one week, depending upon conditions

6. How much of the human body is water?
66%

7. How much of the earth's surface is water?
80%

8. How much water must a person consume per day to maintain health?
2.5 quarts from all sources (i.e. water, food)

9. Of all the earth's water, how much is ocean or seas?
97%

10. How much of the world's water is frozen and therefore unusable?
2%

11. How much of the earth's water is suitable for drinking water?
1%

12. Is it possible for me to drink water that was part of the dinosaur era?
Yes - water is constantly recycled

13. What is the most common substance found on earth?
Water

14. How much water does the average residence use during a year?
Over 100,000 gallons (indoors and outside)

15. How much water does an individual use daily?

Over 100 gallons (all uses)

16. What does a person pay for water on a daily basis?

National average is 25 cents

17. How many community public water systems are there in the United States?

54,000

18. How much water do these utilities process daily?

38 billion gallons

19. What does it cost to operate the water systems throughout the country annually?

Over \$3.5 billion

20. How many miles of pipeline and aqueducts are in the United States and Canada?

Approximately one million miles, or enough to circle the earth 40 times

21. What were the first water pipes made from in the US?

Fire charred bored logs

22. Where was the first municipal water filtration works opened and when?

Paisley, Scotland in 1832

23. Of the nation's community water supplies, what percentage are investor-owned?

15 %

24. How many households use private wells for their water supply?

More than 13 million

25. How much water is used to flush a toilet?

2-7 gallons

26. How much water is used in the average five-minute shower?

15-25 gallons

27. How much water is used on the average for an automatic dishwasher?

9-12 gallons

28. On the average, how much is used to hand wash dishes?

9-20 gallons

29. How much does one gallon of water weigh?

8.34 pounds

30. What is the weight of water in one cubic foot?

62.4 pounds

31. How much water drops with an inch of rain?

One inch of inch of rainfall drops 7,000 gallons

32. How much water does it take to process a quarter pound of hamburger?

Approximately one gallon

- 33. How much water does it take to produce one ton of steel?
62,600 gallons
- 34. How much water is used to produce a single day's supply of U.S. newsprint?
300 million gallons
- 35. What is the total amount of water used to manufacture a new car, including new tires?
39,090 gallons per car
- 36. How much water must a dairy cow drink to produce one gallon of milk?
Four gallons
- 37. How much water is used during the growing/production of a chicken?
400 gallons
- 38. How much water is used during the growing/production of almonds?
12 gallons
- 39. How much water is used during the growing/production of french fries?
6 gallons
- 40. How much water is used during the growing/production of a single orange?
13.8 gallons
- 41. How much water is used during the growing/production of a watermelon?
100 gallons
- 42. How much water is used during the growing/production of a loaf of bread?
150 gallons
- 43. How much water is used during the growing/production of a tomato?
3 gallons
- 44. How much water is used during the growing/production of rice?
35 gallons
- 45. How much water us used during the production of an egg?
120 gallons

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Last updated on Tuesday, February 28th, 2006
URL: http://www.epa.gov/safewater/kids/water_trivia_facts.html



ARW- _____ - _____

Victoria County Groundwater Conservation District

2805 N. Navarro St., Suite 210, Victoria, Texas 77901

Phone: (361)579-6863

FAX: (361)579-0041

Website: www.vcgcd.org

Email: admin@vcgcd.org

APPLICATION TO REGISTER A WELL

Complete this application for the purposes of obtaining a well registration certificate for an existing well.

Note: In accordance with the District's rules, the District may request additional information not requested in this application in order to consider the application administratively complete.

Instructions:

1. Complete the form to the best of your knowledge and belief.
2. Type or print all information.
3. Attach copies of any relevant documentation or information to this application.
 - a. Attach a copy of the well driller's well log if the well was drilled after Year 2008.
 - b. Attach documentation demonstrating authority to act as an agent of the landowner if the application is submitted under the signature other than the landowner's signature.
4. If a portion of the information requested on this form cannot be provided, please indicate this by entering "unknown" in the related blank space



ARW- _____ - _____

Victoria County Groundwater Conservation District

SECTION 1: WELL OWNER INFORMATION		
Last Name, First Name, Middle Initial		
Owner Entity (Partnership / Corporation / Trust, etc.)		
Mailing Address:		
City:	State:	Zipcode:
Phone:		
E-Mail:		

SECTION 2: WELL LOCATION INFORMATION		
Property Address:		
City:	State:	Zipcode:
Nearest Intersection:		
Latitude:	Longitude:	



ARW-_____

Victoria County Groundwater Conservation District

SECTION 3: WELL CONSTRUCTION INFORMATION (Attach the driller's well log if available.)	
Well Completion Year	Well Depth (Feet Below Surface)
Casing Material (PVC, Steel, Other)	Casing Diameter (Inches)
Depth to Top of Screen (Feet Below Surface)	Depth to Bottom of Screen (Feet Below Surface)
Well Capacity (Gallons per Day)	

SECTION 4: WELL USE INFORMATION	
An "Exempt Well" is a well that 1) is used solely for domestic purposes or for providing water for livestock, poultry or personal recreational use that is drilled, completed, or equipped so that it is incapable of producing more than 28,800 gallons (20 gpm) of groundwater per day; or 2) a well otherwise exempt under the provisions of Section 36.117, Water Code. All other wells are considered "Non-Exempt Wells."	
Is the subject well constructed and operated as an "Exempt Well?"	YES NO

SECTION 5: AGREEMENT	
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision; the information submitted is, to the best of my knowledge and belief, true, accurate and complete; and I agree to operate the well in accordance with the Victoria County Groundwater Conservation District's Rules and the State of Texas' regulations. Further, I certify under penalty of law that I am the well owner or I am authorized to act as the agent of the well owner.	
_____ Signature of Well Owner or Authorized Agent	_____ Date
_____ Printed Name of Well Owner or Authorized Agent	



AVW- _____ - _____

Victoria County Groundwater Conservation District

2805 N. Navarro St., Suite 210, Victoria, Texas 77901

Phone: (361)579-6863

FAX: (361)579-0041

Website: www.vcgcd.org

Email: admin@vcgcd.org

APPLICATION TO VALIDATE HISTORIC USE OF A WELL

Complete this application for the purposes of obtaining a historic use validation permit to operate a grandfathered, non-exempt well.

Note: In accordance with the District's rules, the District may request additional information not requested in this application in order to consider the application administratively complete.

Instructions:

1. Complete the form to the best of your knowledge and belief.
2. Type or print all information.
3. Attach copies of any relevant documentation or information to this application.
 - a. Attach deed or other documentation demonstrating ownership of the proposed well location.
 - b. Attach location map depicting property lines, existing wells, and potential sources of groundwater contamination.
 - c. Attach any waiver or variance requests of the District's rules.
 - d. Attach documentation demonstrating authority to act as an agent of the landowner if the application is submitted under the signature other than the landowner's signature.
4. If a portion of the information requested on this form cannot be provided, please indicate this by entering "unknown" in the related blank space.



AVW- _____ - _____

Victoria County Groundwater Conservation District

SECTION 1: WELL OWNER INFORMATION		
Last Name, First Name, Middle Initial		
Owner Entity (Partnership / Corporation / Trust, etc.)		
Mailing Address:		
City:	State:	Zipcode:
Phone:		
E-Mail:		

SECTION 2: WELL LOCATION INFORMATION		
Property Address:		
City:	State:	Zipcode:
Nearest Intersection:		
Latitude:	Longitude:	
If the subject well is registered with the District, specify the well registration identification:		WRC- _____
If the subject well is not registered with the District, specify the well registration application identification:		ARW- _____
Specify the acreage of the well site property:		



AVW- _____ - _____

Victoria County Groundwater Conservation District

SECTION 3: HISTORIC USE INFORMATION	
<p>An "Exempt Well" is a well that 1) is used solely for domestic purposes or for providing water for livestock, poultry or personal recreational use that is drilled, completed, or equipped so that it is incapable of producing more than 28,800 gallons (20 gpm) of groundwater per day; or 2) a well otherwise exempt under the provisions of Section 36.117, Water Code.</p>	
<p>Between January 1990 and December 2008, was the subject well operated in a manner that would not be considered exempt by the District?</p>	<p>YES NO</p>
<p>Specify the year between 1990 and 2008 for which historic use validation is requested:</p>	
<p>Specify the maximum production rate for the subject well within the year for which validation of historic use is requested?</p>	<p>Per Minute: GPM</p>
	<p>Per Day: GPD</p>
	<p>Per Month: GPMo</p>
	<p>Per Year: Ac-Ft</p>
<p>Specify the purpose to which the groundwater was used within the year for which validation of historic use is requested:</p>	
<p>Within the year for which historic use validation is requested, was the subject well operated as part of an interconnected multi-well system?</p>	<p>YES NO</p>
<p>Describe the evidence supporting the validation request. (Attach additional documentation or explanation to the application as needed.)</p>	
Empty space for evidence description	



AVW-_____ - _____

Victoria County Groundwater Conservation District

SECTION 4: AGREEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision; the information submitted is, to the best of my knowledge and belief, true, accurate and complete; and I agree to operate the well in accordance with the Victoria County Groundwater Conservation District's Rules and the State of Texas' regulations. Further, I certify under penalty of law that I am the well owner or I am authorized to act as the agent of the well owner.

Signature of Well Owner or Authorized Agent

Date

Printed Name of Well Owner or Authorized Agent

NOTARY PUBLIC'S CERTIFICATE

Subscribed and sworn to before me, by the said _____,
this _____ day of _____, 20____, to certify which witness my hand
and seal of office.

Notary Public Signature

Notary Public Printed Name

Notary Public in and for _____ County, Texas.

My commission expires _____.



AVW- _____ - _____

Victoria County Groundwater Conservation District

AFFIDAVIT OF PAST PRODUCTION

Before me, the undersigned authority, appeared _____ who, being duly sworn states as follows:

1. I am 18 years of age or older and competent to submit this affidavit.
2. To the best of my knowledge and belief, the information contained in the attached application to validate the historic use of a well is true and correct.
3. All available information concerning groundwater production during the validation period has been provided to the Victoria County Groundwater Conservation District."

Signature

NOTARY PUBLIC'S CERTIFICATE

Subscribed and sworn to before me, by the said _____,
this _____ day of _____, 20____, to certify which witness my hand
and seal of office.

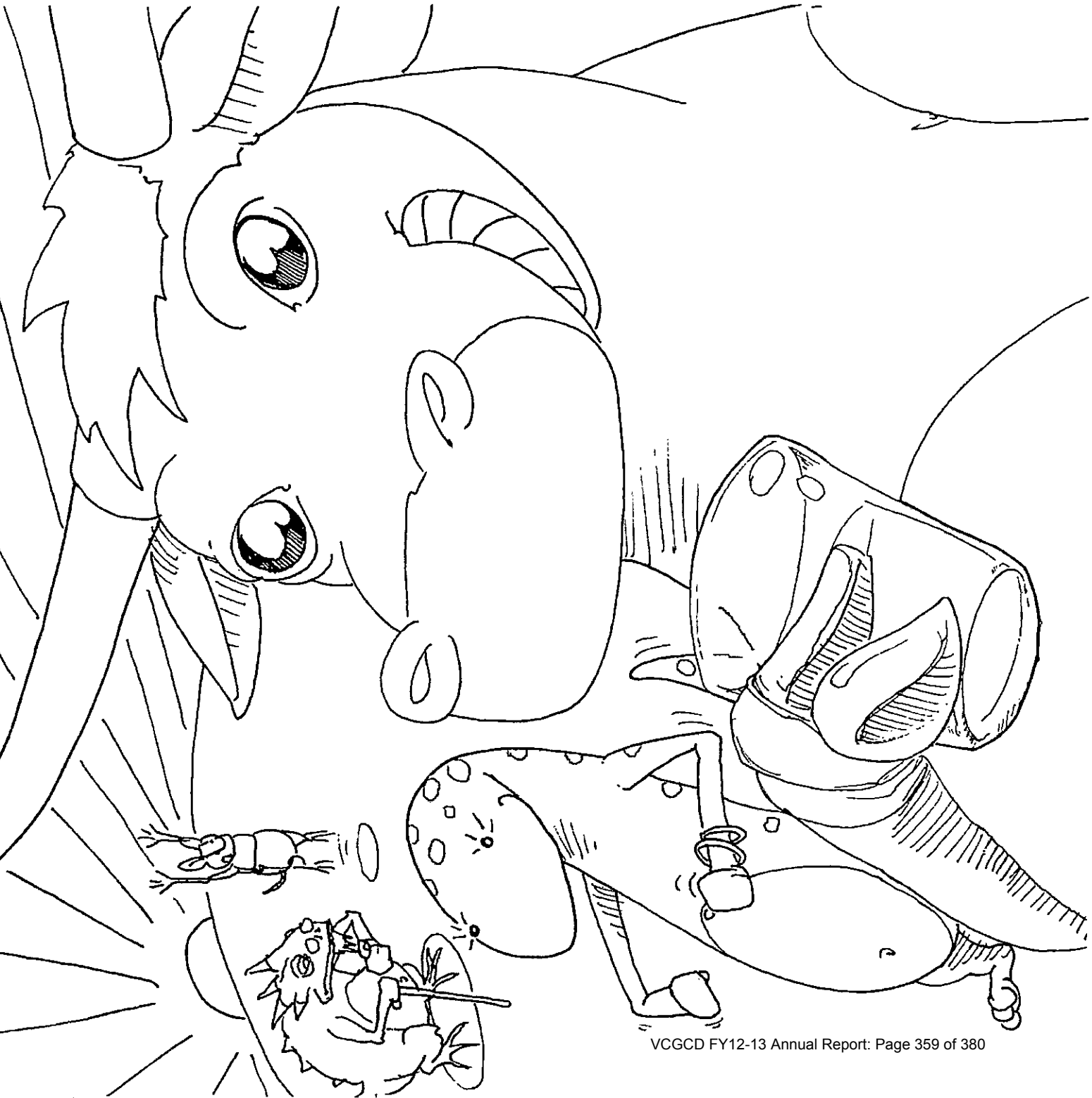
Notary Public Signature

Notary Public Printed Name

Notary Public in and for _____ County, Texas.

My commission expires _____.

Know Your Water



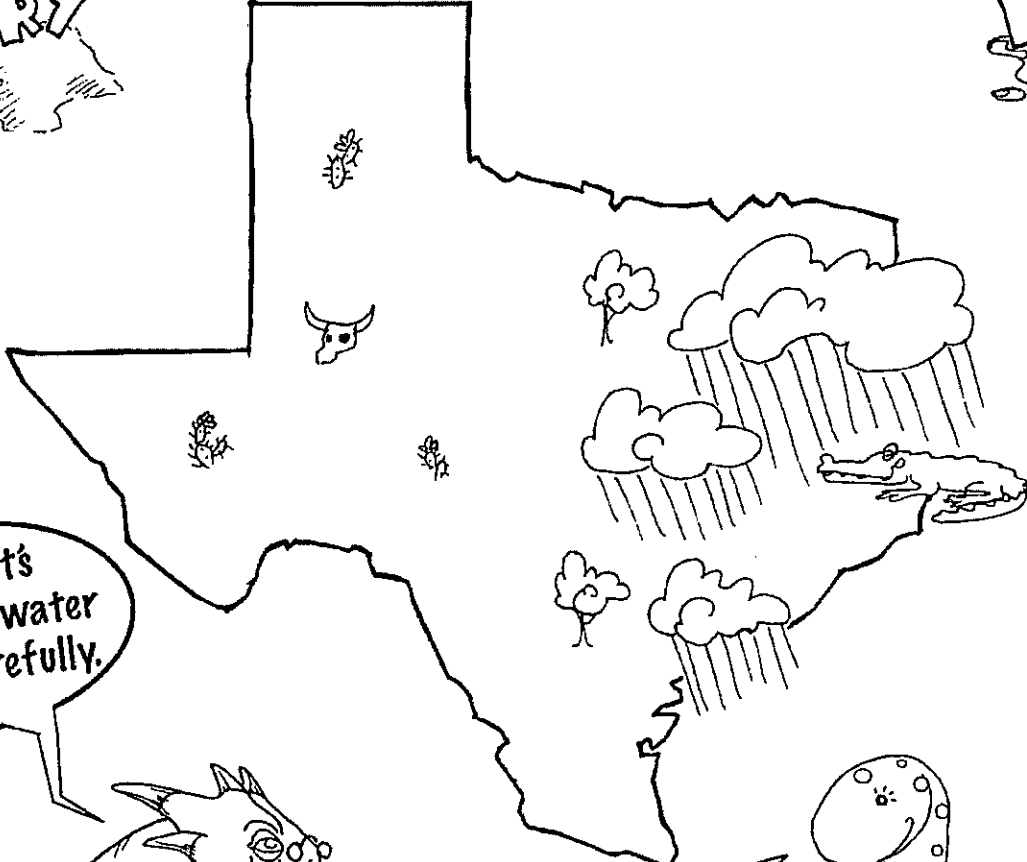
We all use water differently



Texas is both wet and dry

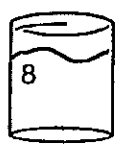
DRY

WET

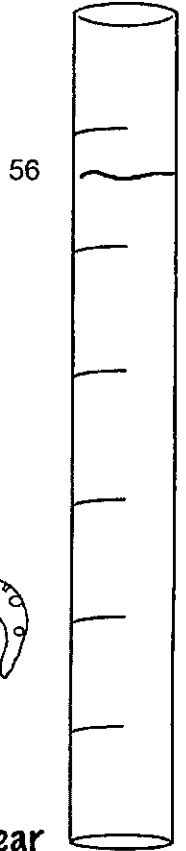


Where it's dry we use water **EXTRA** carefully.

Even where it's wet, we need to use our water well.



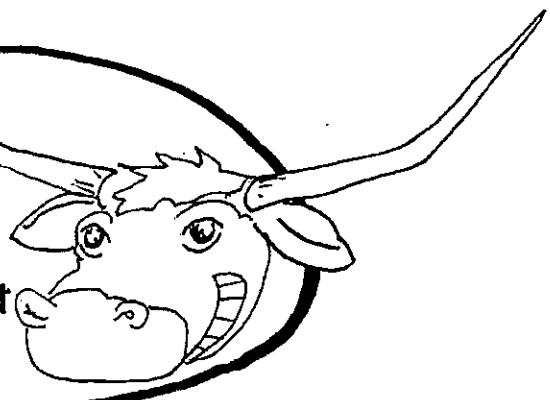
8 inches per year



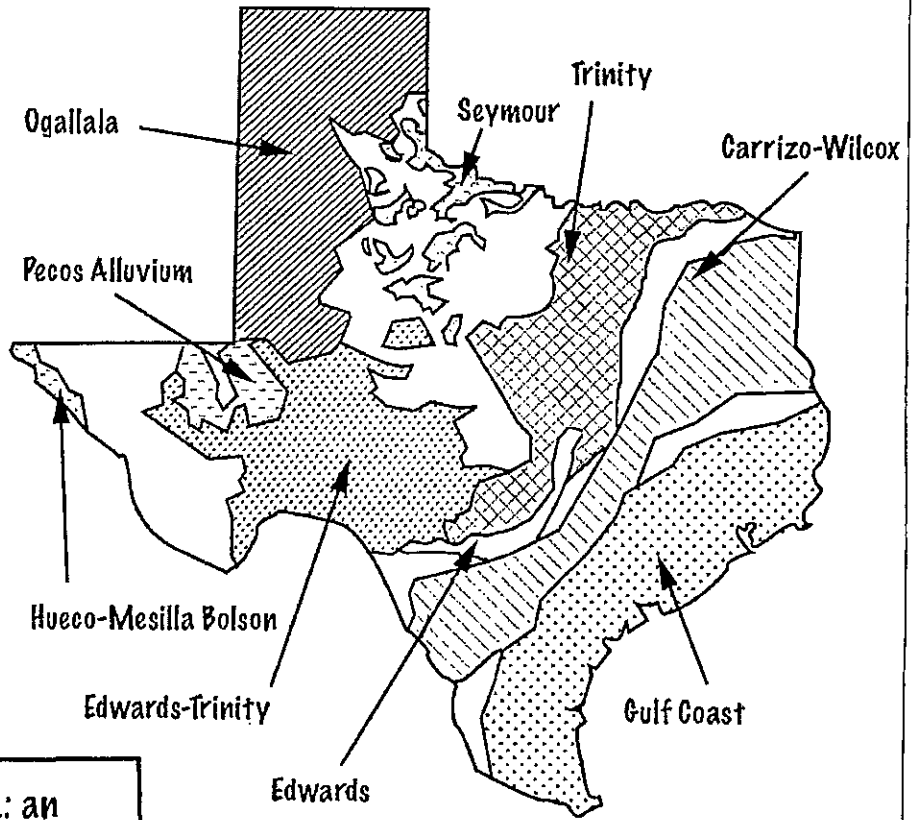
56 inches per year

Fun Fact

Sometimes when it rains in Texas it **REALLY** pours. In three days of rain, the town of Alvin got flooded by **45 INCHES** of rain. Even in drier West Texas, it can rain a lot, all at once.



About half of Texas' water comes from aquifers

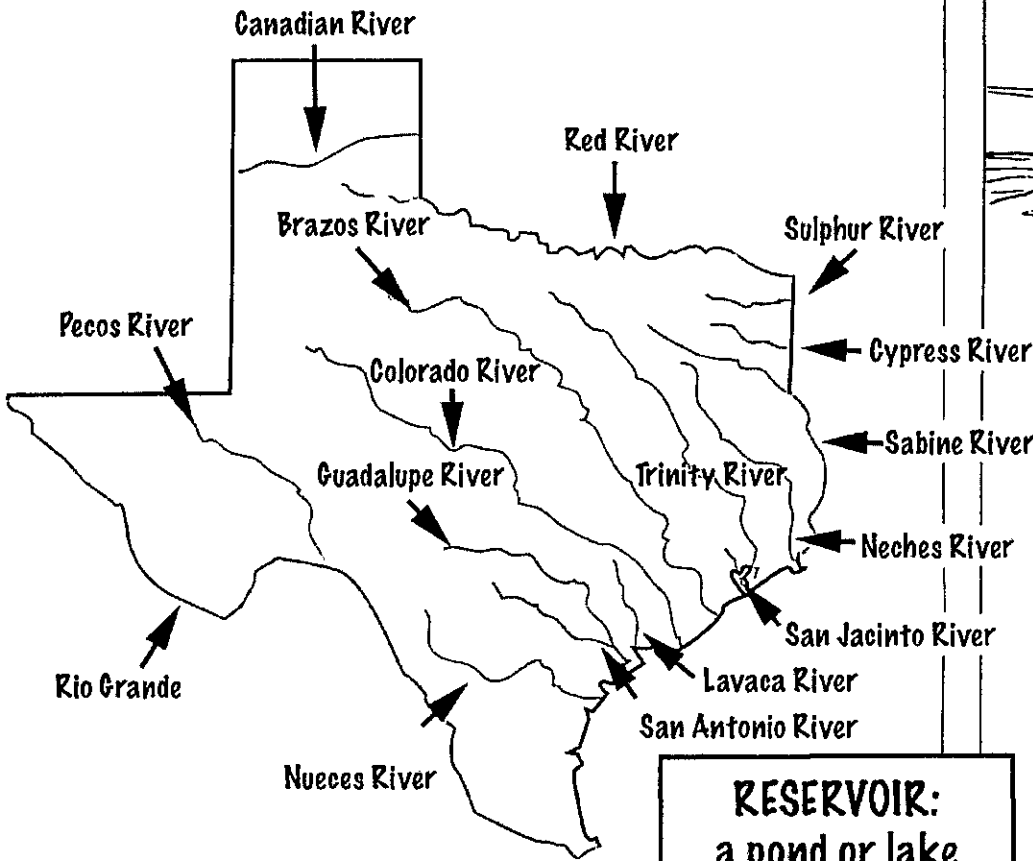


AQUIFER: an underground area of gravel and sand that holds water.

Find the names of aquifers in Texas

G O Z Q S K O Y R V P P J F R H R D Q P
 B P V R I F P C Z C U V B V H T L D L E
 U O S M Y D D E L N E B X N Y X I U D W
 H S Y T N F S F C X G I R T A Q C X R S
 X Q Z O Y K S E D O O U I N U A L Z L E
 S H Y H K B S P Y M S N L V R F P L A Q
 S O G A L L A L A M I A X F Q W G O G A
 K C N H V X E Y S R O L L N C E U E S G
 C N B S C B E Q T Z K U L L G O N L B Y
 O S C K C Z V S S K Y T R J U L A N J K
 M N G R X Q D K G T V O R L P V X S Z Y
 K Z D W F R U Z P H M B L I T T I W T L
 M G O N A I X E D W A R D S N G W U H R
 N G S W U S Y J Z R P L O T X I J F M Y
 U X D L G M W F K B I D O S O W T G A G
 U E D C A R R I Z O W I L C O X C Y Y G
 H U E C O M E S I L L A B O L S O N T E
 D U J G S D N F Y K I L J Q C S K F C A
 E Y V S K A Y Q Y P X Q M C J E P Q L Q
 M D E F V M F Y J Q S I H D Z Q U M U C

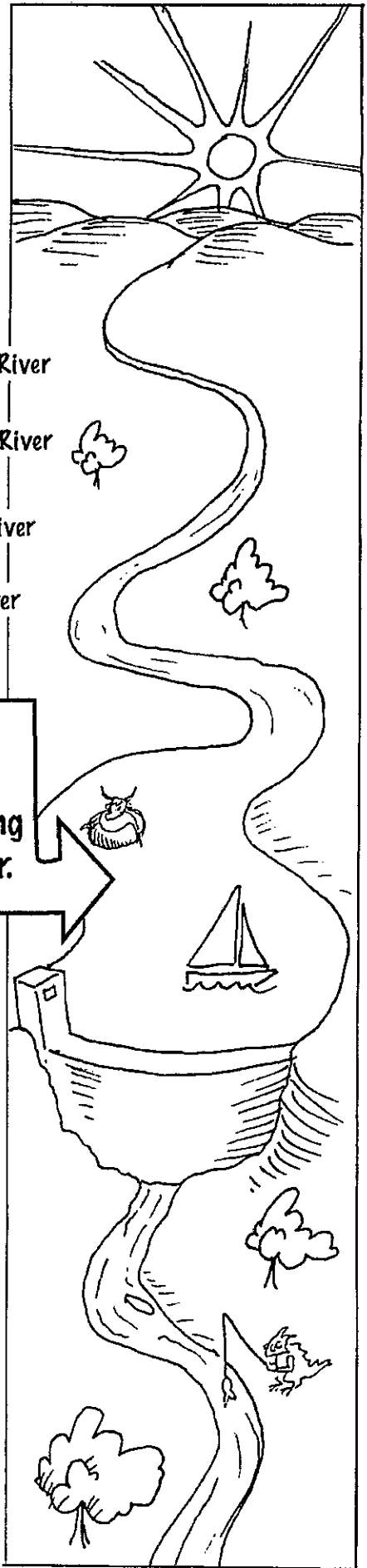
and the other half comes from our reservoirs and rivers.



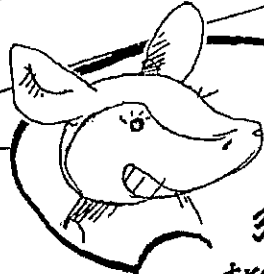
RESERVOIR:
a pond or lake
created by building
a dam on a river.

Find the names of rivers in Texas

V A Y J T F U H N I T S N H X R A S Q F
 S E A R N Q C J E S Z I S N W T V Q G O
 Y G W B H V U W K R A D N U U F A H P T
 S R B R A Z O S S R L N S T W E R U N T
 T A I R Q O T G A J E S J F V Y C Q W A
 A Y N O F U N S J B D D U A M Z N E F Z
 Q O H A G A R F C U I X K L C U E E S P
 L T C J N R V D J N T N I A P I G Y S A
 H K G A A T A L E K E R E N M H N B X X
 O X D Q N L O N D T H C I O A Y U T G E
 I P L P G A B N D A R H H N T X K R O L
 W G L T O U D V I E L C Q E I E Q Q Q S
 J G Z A K V A I C O A P O P S T U V V W
 D B Y O V P Y D A Y C J I L C X Y H G K
 Z B P L U A E H A N P B C N O M B I X F
 I W F V K U C C J L R R L B M R S R O V
 T Q W I S F N A O H U R E L A O A J O N
 F W S X T H Q L J S H P X S R T F D U L
 U F U O J T K Y A N Z P E D S Z I M O Q
 S X C T W K Q K A D F A B J K B Q Q R W



Help Billy find his way to the gulf



A Fun Fact

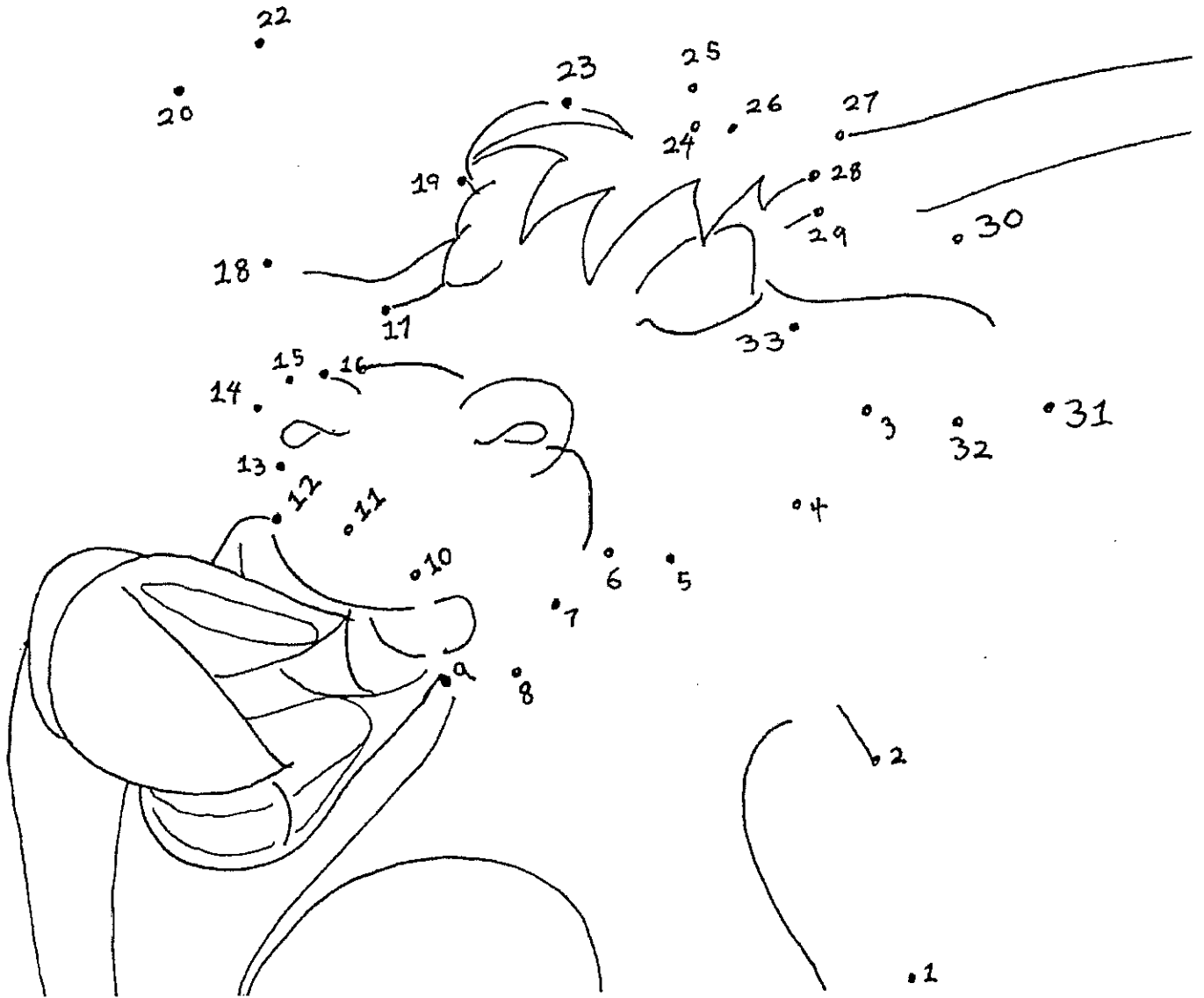
Rivers in Texas flow downhill to the Gulf of Mexico. It takes more than 37 days for one drop of water to travel the entire length of the Rio Grande.



Gulf of Mexico

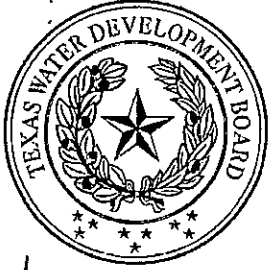


Water is important for both humans and animals



Fun Fact

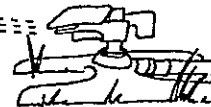
More than half of the human body (about 65%) is made of water. You can go for weeks without food, but only days without water.




Know Your Water

For more information visit the Texas Water Development Board online at <http://www.twdb.state.tx.us/kids>

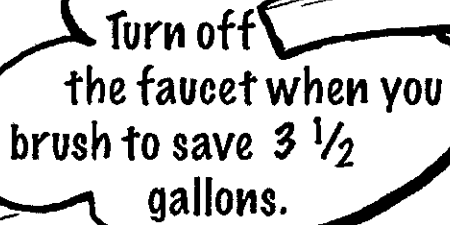
Water your lawn early in the morning or late in the afternoon so that the sun doesn't dry up the water before it reaches the lawn.




Color in this poster and put it on your wall to show how you



Take shorter showers.
You can save 3 gallons for every minute.



Turn off the faucet when you brush to save 3 1/2 gallons.



Do not use the toilet as a trash can.

Our family can save 150 gallons of water every day!

Turn off the water while you brush your teeth



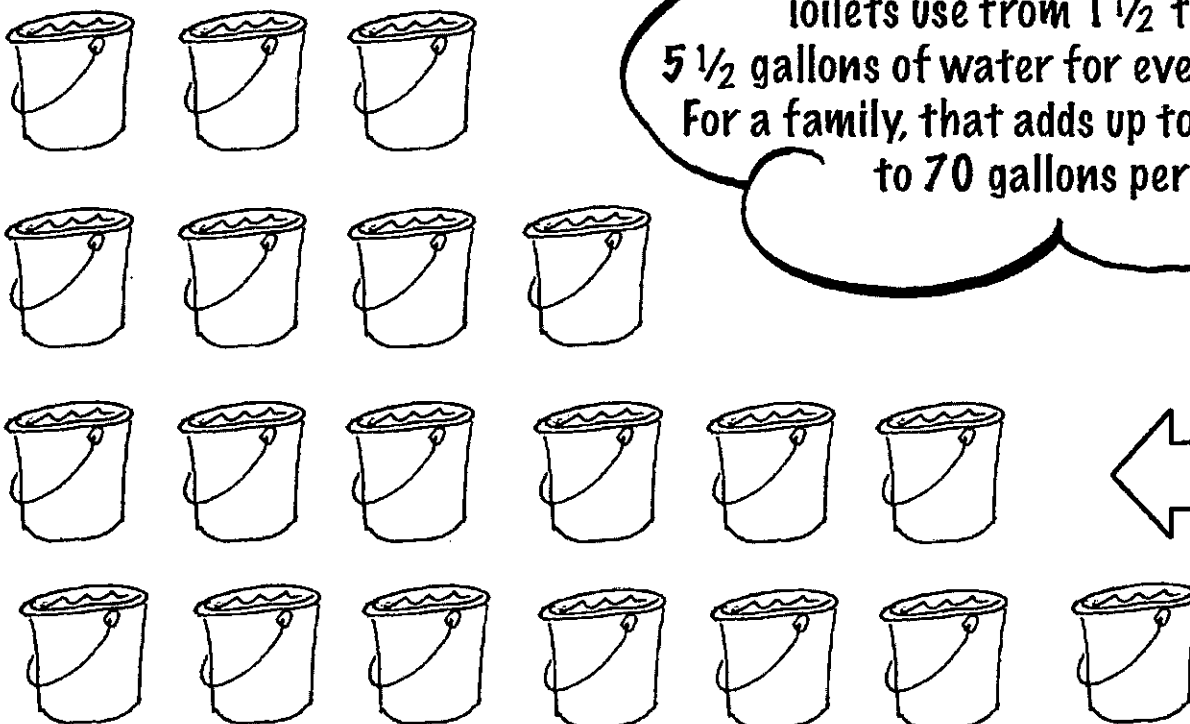
Leaving the water on uses 4 gallons of water.

Turning the water off while you brush uses only 1/2 gallon.

A toilet is not a trash can.



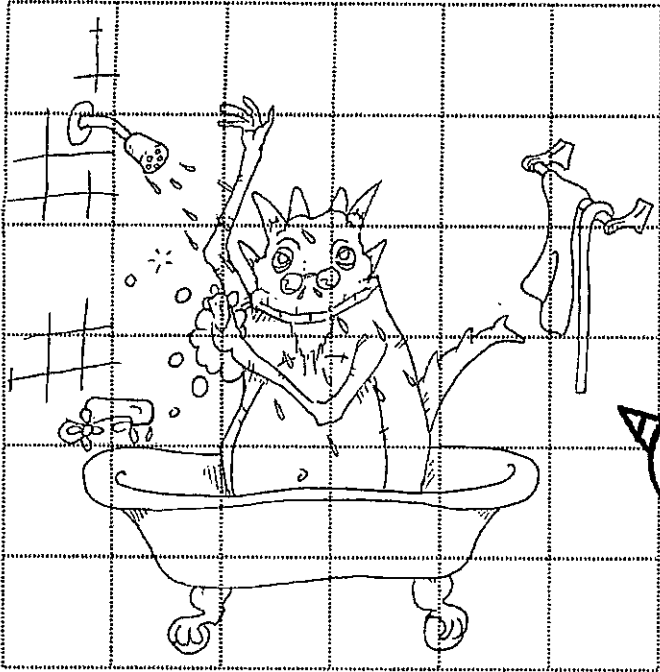
A Fun Fact
Toilets use from 1 1/2 to 5 1/2 gallons of water for every flush. For a family, that adds up to about 20 to 70 gallons per day.



← 20 gallons

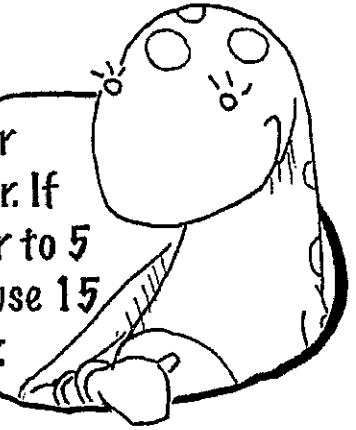
Take shorter showers to save water

Draw a Water saving Shower



A Fun Fact


A 15 minute shower uses 45 gallons of water. If you shorten your shower to 5 minutes, you use 15 gallons of water.



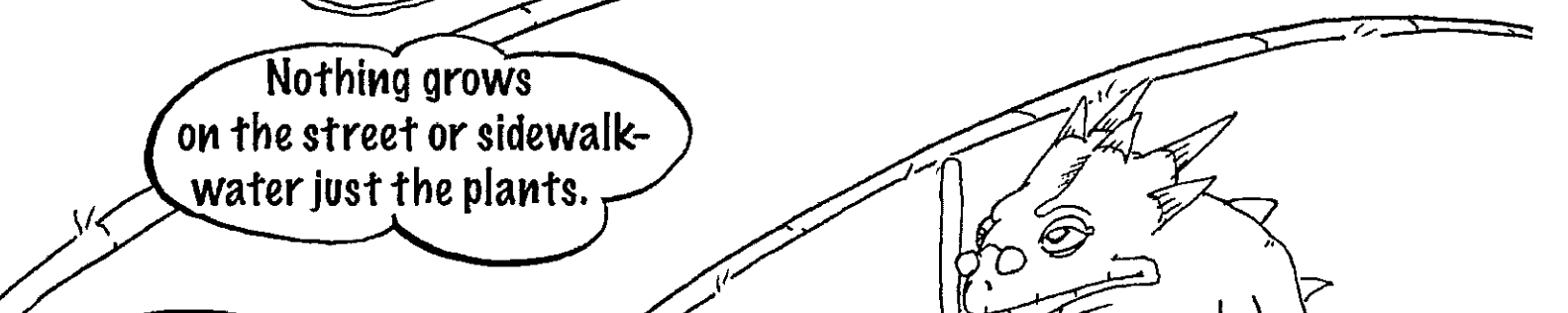
Back in my day an entire family would reuse the same water to bathe. That made it important to be the first in line to take a bath.



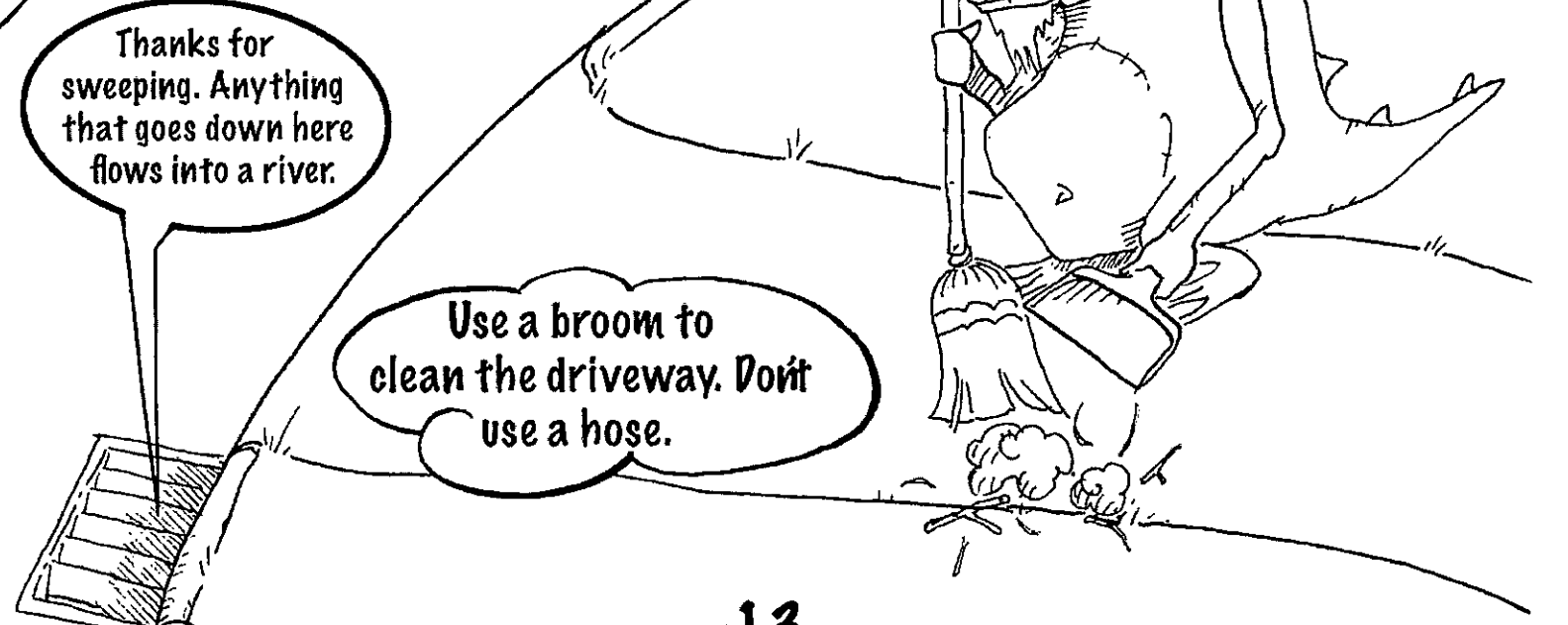
Practice good outdoor water activities



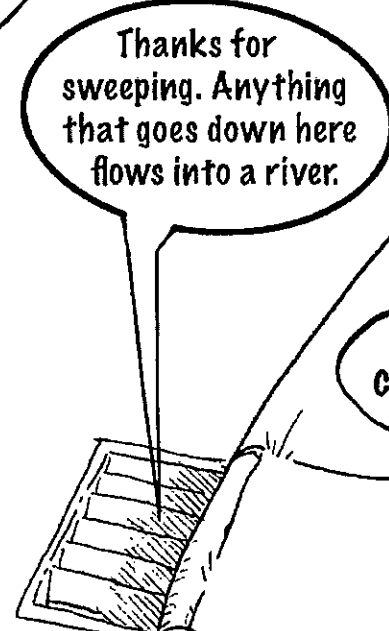
Use a bucket or a hose with a shut-off nozzle to wash the car.



Nothing grows on the street or sidewalk-water just the plants.



Use a broom to clean the driveway. Don't use a hose.



Thanks for sweeping. Anything that goes down here flows into a river.

Use what you have learned to fill in the blanks.

Water is important for people and animals because _____

In the bathroom I can save water by _____

I use water for _____

Now write your own story about water. Here are some words you can use.

Reservoir

Toilet

Swim

Morning

Aquifer

Sink

Plants

Afternoon

Gulf of Mexico

Shower

Trash

Fish

Rio Grande

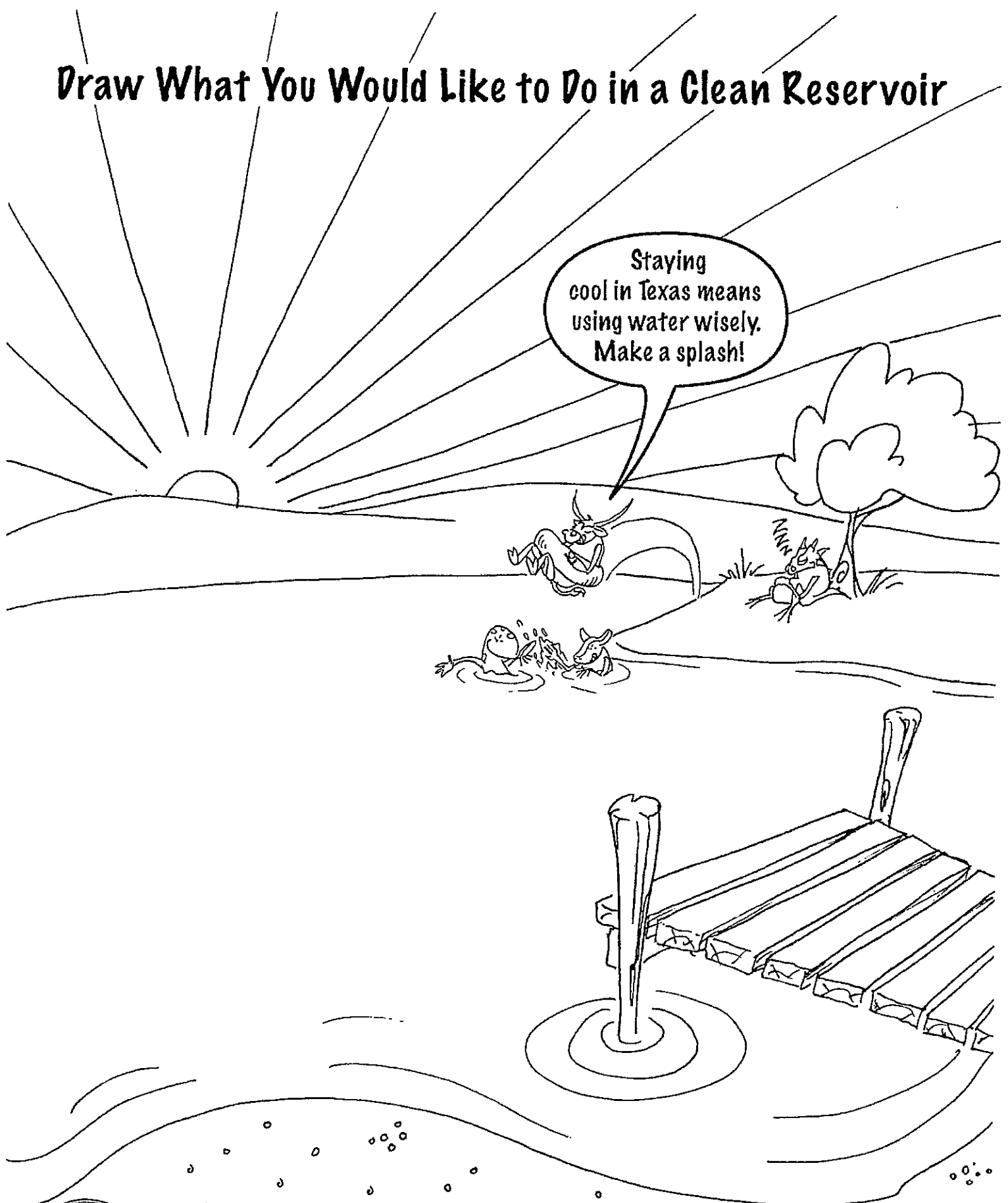
Drink

Brush

Boat

Draw What You Would Like to Do in a Clean Reservoir

Staying cool in Texas means using water wisely. Make a splash!



Developed by the Texas Water Development Board
and illustrated by Seth Mabbott
with creative direction from Camille Fredin



Take little steps each day to reduce the amount of water you use, by the end of the month it will become second nature.



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Groundwater Word Search

The Groundwater Foundation. Learn more at www.groundwater.org.



aquifer
condensation
drink
drought
evaporation
fuel
groundwater
irrigate

permeable
pollution
precipitation
recharge
runoff
saturation zone
spring
well



Easy Ways to Conserve Water

Don't Let It Run.

We have all developed the bad habit of letting the faucet run while wait for the shower to warm up, while we brush our teeth, or while wait for a cold glass of water. Keeping a pitcher of water in the refrigerator or turning the faucet off while we brush our teeth can save several gallons of water each day! It's simple really, before you turn on the tap, think of ways you can use less water to accomplish the same purpose.



Fix The Drip.

There is no such thing as a little drip. A leaky faucet with a drip of just 1/16 of an inch in diameter (about this big -o-) can waste 10 gallons of water every day. You can turn off that drip by replacing worn washers or valve seats with the help of your parents. The silent leak. Even worse than the careless hand on the faucet is the silent toilet bowl leak, probably the single greatest water waster in homes. A leak of one gallon every 24 minutes—an average amount—totals 2.5 gallons per hour or 60 gallons per day! To check your toilet for a leak, place a few drops of food coloring in the tank and wait. If the color appears in the bowl, then there's a leak. Often these leaks can be fixed with a few minor adjustments, cleaning calcium deposits from the toilet ball in the tank, or by replacing worn valves.



Close The Hose.

Letting the garden hose run faster or longer than necessary while we water the lawn or wash the car often becomes a careless and wasteful habit. A 1/2 inch garden hose under normal water pressure pours out more than 600 gallons of water per hour and a 3/4 inch hose delivers almost 1,900 gallons in the same length of time. If left on overnight, one garden hose can easily waste twice as much water as the average family uses in a month.



Irrigate Wisely.

We have all seen the neighbor waters their lawn during an afternoon thunder storm. We have all seen the corner business whose whose automatic sprinkler system consistently over-waters causing sheets of water to flow across sidewalks and parking lots. Be wise, watch the weather and irrigate only during the cooler parts of the day (early morning or late evening). How do you know if you lawn requires water? Try the step test. If you walk across your lawn and the grass does not spring back up, then it's time to water. Most grass varieties require minimal watering (1/4 - 1/2 inches, once or twice a week). Set a small cup next to your sprinkler to measure the amount your particular sprinkler delivers.



Check The Plumbing.

Proper maintenance is one of the most effective water savers. Faucet washers are inexpensive and take only a few minutes to replace. At home, check all water taps, hoses, and hose connections (even those that connect to dishwashers and washing machines) for leaks. Check the garden hose too—it should be turned off at the faucet, not just at the nozzle.



The 5 Minute Challenge.



Try This At Home

Aquifer In A Cup

Objective

Groundwater is water that is found underground in the spaces and cracks between soil, sand and gravel. Often hidden from view, in this activity you will "see" what groundwater looks like and learn some basic groundwater vocabulary.

Materials Needed

- 2 clear cups
- Sand, gravel and aquarium rock
- Pitcher of water

Vocabulary

groundwater, aquifer, surface water, contamination, water table, saturation zone, infiltration, recharge, porosity, permeability (view [Groundwater Glossary](#))

Procedure

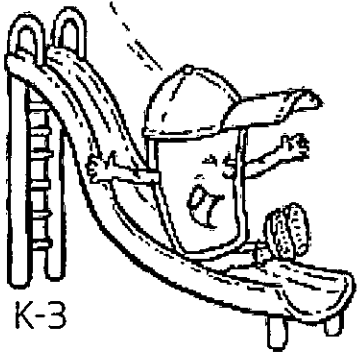
1. Fill 2 cups with layers of sand and gravel to about 3/4 from the top of each cup. Remember that in nature, aquifers consist of layers of sand, gravel and rock.
2. In one of the cups, pour water slowly into it. Watch how the water fills the spaces between the particles of sand and gravel. Does the water appear to move faster through the sand or faster through the gravel? Why?
3. Now continue to fill this cup with water to the top (above the top of the sand and gravel). Water that is located above ground, like rivers and lakes, is called surface water. Water below the ground's surface is called groundwater.
4. In the second cup, slowly pour water into the cup until the water line is about one inch below the top of the sand/gravel. Look closely at this line created by the water. This line is called the water table. Water below the water table is called the saturation zone.
5. Now pretend that your pitcher of water is a large rain cloud and pour some more water into your second aquifer until the water table is about one half an inch below the surface of the gravel. Your groundwater supply has just been recharged. This is what happens when it rains or snows and water infiltrates (or sinks) into the ground.

Optional Extensions

1. Use liquid food coloring or powdered drink mix to represent a [source of groundwater contamination](#). Sprinkle or pour the contamination on the surface of the gravel. Sprinkle water (to represent rain) on top of the gravel and contaminant. Observe and discuss what happens.

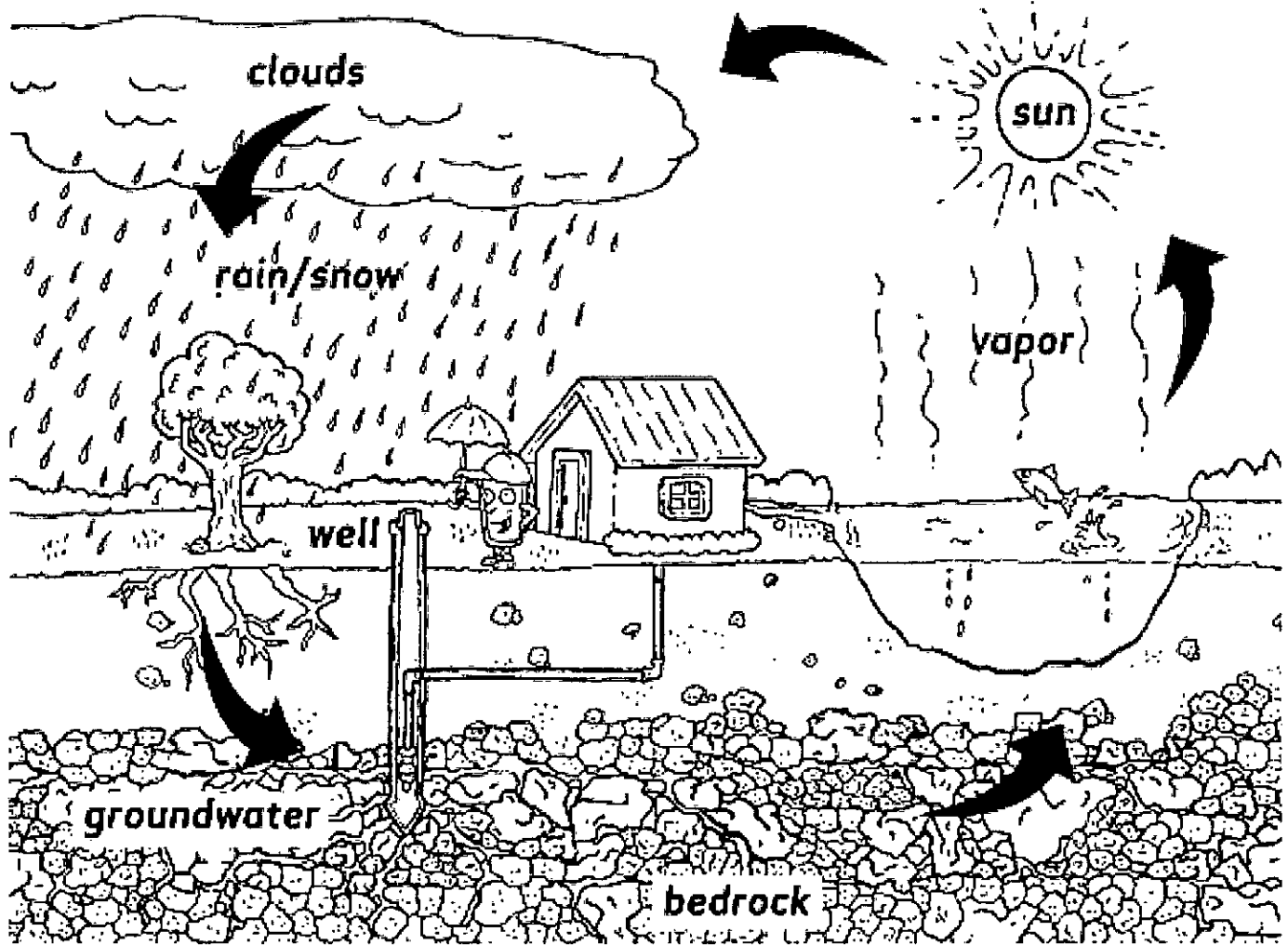


Donate



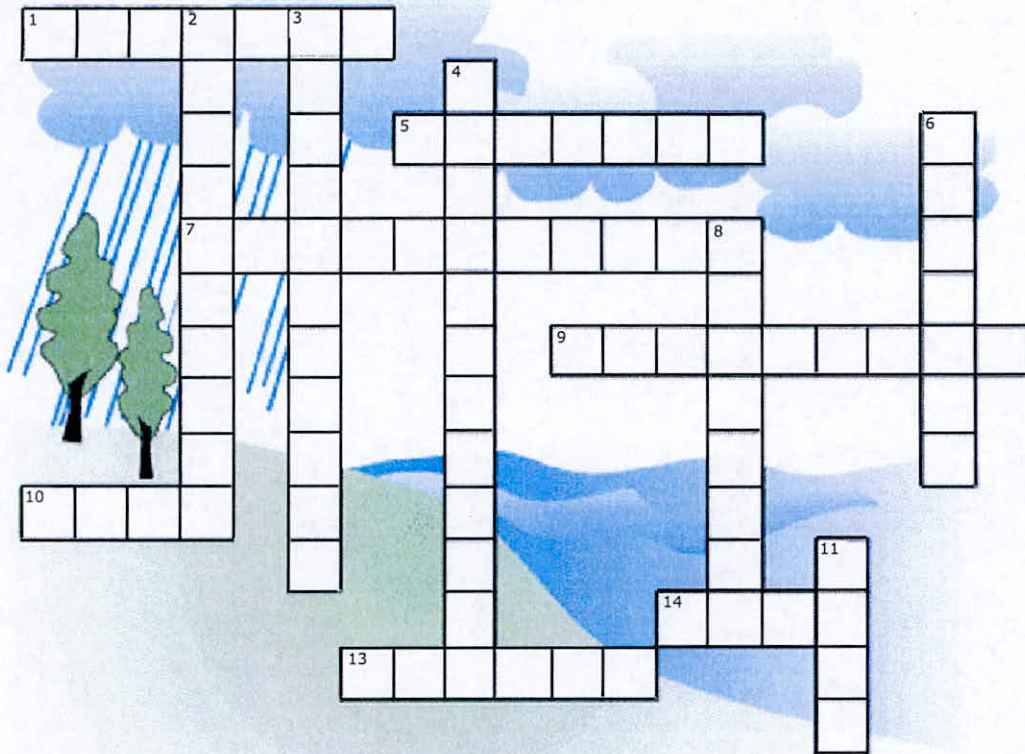
K-3

Thirstin's Water Cycle Adventure



Water Cycle Crossword

From The Groundwater Foundation. Learn more at www.groundwater.org.



ACROSS

1. Layers of soil, sand and rocks that store groundwater.
5. To contaminate, to become unclean.
7. Water that is found underground in the cracks and spaces in the soil, sand and rocks.
9. Groundwater leaves the ground and enters a lake or stream in a _____ area.
10. An example of precipitation.
12. A pipe in the ground that is used to remove water from an aquifer.
13. Water on the earth's surface which moves into a lake or stream without absorbing into the soil.

DOWN

2. The largest use for groundwater is _____.
3. The stage of the water cycle when water changes from a liquid to a vapor.
4. Clouds are an example of this.
6. A long period of dry weather could cause a _____.
8. Part of the water cycle when water soaks into the soil.
11. The movement of water underground is called groundwater _____.