



# WATER USE REPORTING IN TEXAS



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Texas Commission on Environmental Quality

# OVERVIEW

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- ✕ Watermaster Programs

- + Real time measurement and reporting

- ✕ Non-Watermaster Programs

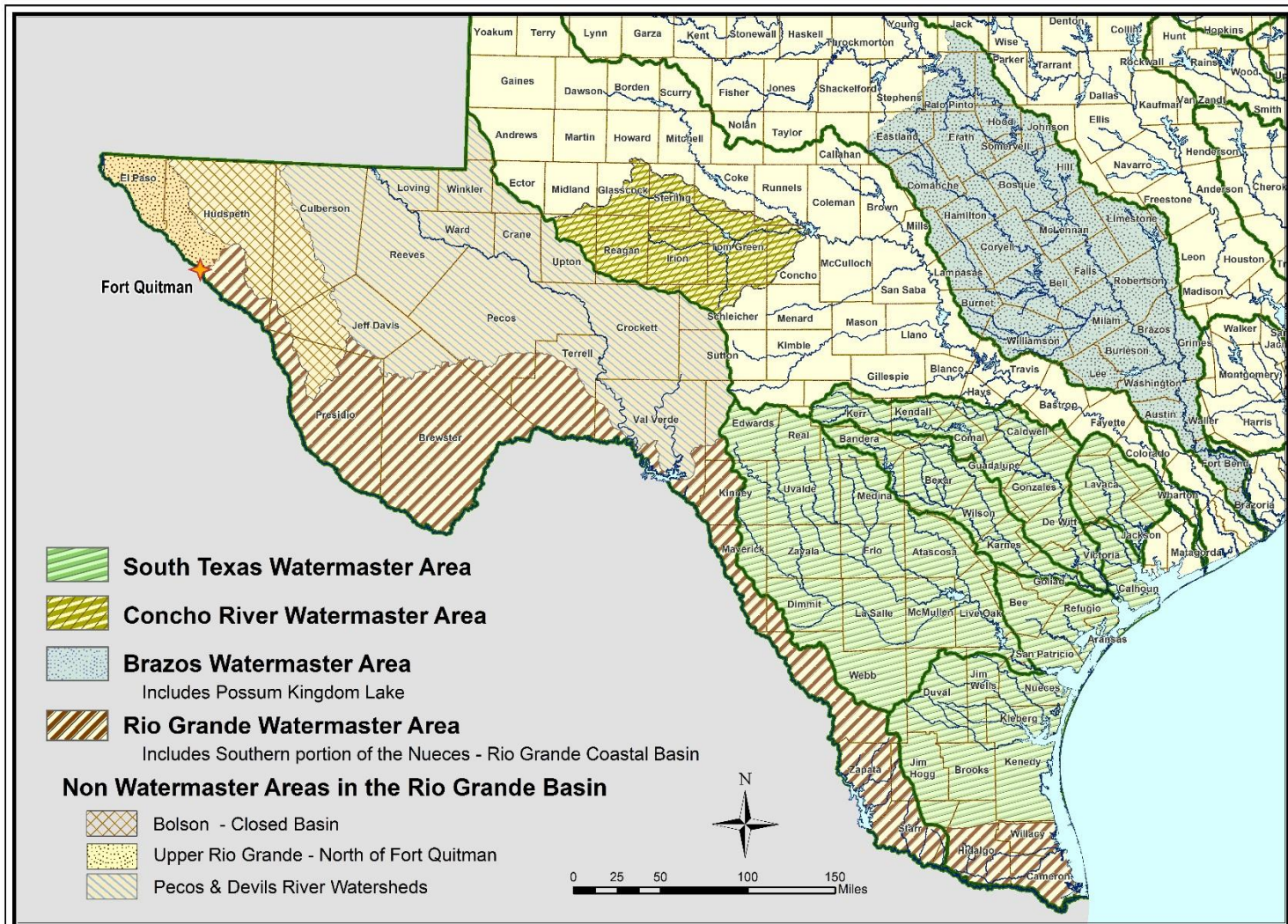
- + Managed in accordance with the requirements in the water right
  - + Water use reported on an annual basis

# WATERMASTER PROGRAMS

- ✕ Current Watermaster Programs in Texas:
  - + Rio Grande Watermaster
  - + South Texas Watermaster
  - + Concho River Watermaster
  - + Brazos Watermaster



# WATERMASTER PROGRAMS



## Texas Watermaster Areas

# DIFFERENCES BETWEEN THE WATERMASTER PROGRAMS

- ✘ South Texas, Concho, and Brazos Watermaster
  - + Prior Appropriation – water right holders take their permitted diversions or impoundments as water flows along the watercourses based on priority date
- ✘ Rio Grande Watermaster
  - + Store and Release (for river segments below Amistad) – water is stored in Amistad and Falcon and then released downstream as needed to meet demand
- ✘ All programs require prior approval from the Watermaster prior to any diversions



# DAILY WATER MANAGEMENT

# WATERMASTER MANAGEMENT

- ✗ Conduct river investigations
- ✗ Monitor streamflow, reservoir levels, and water use
- ✗ Enforce compliance with water rights
- ✗ Respond to complaints and inquiries
- ✗ Manage diversion requests
- ✗ Update ownership information



# CONDUCT RIVER INVESTIGATIONS

- ✗ Day-to-day investigations
- ✗ Respond to complaints





# MONITOR STREAMFLOWS



*Conducting flow measurements in the field*





# MONITOR STREAMFLOWS



*Utilize USGS gages.*



# VERIFY PUMPS AND METERS

- ✘ Meter must be inspected and verified by the watermaster program before it may be used to divert water







## PUMP/METER INFORMATION SHEET

PUMP/METER INFORMATION SHEET											
Permit #						Date					
Owner Name:						Phone:		Business			
Diverter/Agent:								Home			
								Cell			
Current Address:											
E-mail Address:											
Area Surrounding:						Meter:					
Beginning Date						Ending Date					
Start Time						Ending Time					
Pump Information:						Pump #					
Serial #											
Max Meter Reading											
Beg. Meter Reading											
Type:		GPM		CFS		AF					
Factor:		x.01	x.001	x.0001	x10	x100	x1000	Other:			
Max Rate											
LAT						LON					

Revised: 4/20/11



# METERS





# PUMPS






# REQUIREMENTS FOR DIVERTERS

- ✘ Comply with the water right.
- ✘ Divert water according to watermaster rules
  - + Install an accurate measuring device.
  - + Before diverting, contact and receive approval from the watermaster.
  - + After pumping, submit a report.
- ✘ Pay annual fees based on authorized water right amount and use.

# DECLARATION OF INTENT

	Texas Commission on Environmental Quality <b>DECLARATION OF INTENT TO DIVERT</b>		Received by _____	
	Owner _____		Time _____	<input type="checkbox"/> am <input type="checkbox"/> pm
	Agent _____		Date _____	
	Address _____		Permit/Certificate number _____	

is authorized to divert \_\_\_\_\_ acre-feet of water with pump number \_\_\_\_\_ for the period and rates shown below.

DATE	FROM	TO	GPM	CFS

Deputy/Area \_\_\_\_\_
Watermaster \_\_\_\_\_

TCEQ-06527 (Rev. 7/03)



# TXWAS

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## ✕ *Texas Watermaster Accounting System*

- + Database with information regarding water rights and their water use.
  - ✕ Pump Operation Reports (POR)
  - ✕ Certifications and Declarations of Intent (DOI)
- + Used for generating annual fee assessments that are mailed to the owner of each water right in the program.



# TX Watermaster Accounting System

Home Account ▾ BRA Contracts ▾ Client ▾ Meter ▾ Report ▾ Watermaster ▾ Billing ▾ Help ▾

Brazos ▾ Cindy Hooper ▾

Quick Cert

Quick POR

Quick Meter:

Quick Search



## Daily Activities Menu

Enter Account Number ▾

- New Diversion
- Browse Diversion
- View Account
- Edit Account
- Edit Client
- Audit

Enter Cert Number ▾

- View Diversion
- Edit Diversion
- Process POR
- Cancel Cert

[Billing](#)  
[Outstanding POR's](#)  
[Active Diversions](#)  
[Open Diversions](#)  
[BRA Diversions](#)  
[Diversion Approval Report](#)

[Search Latitude/Longitude](#)  
[\(0\) contract\(s\) expiring in the next 60 days.](#)

## Daily Statistics

Certs Outstanding: 262  
Pending PORs: 248

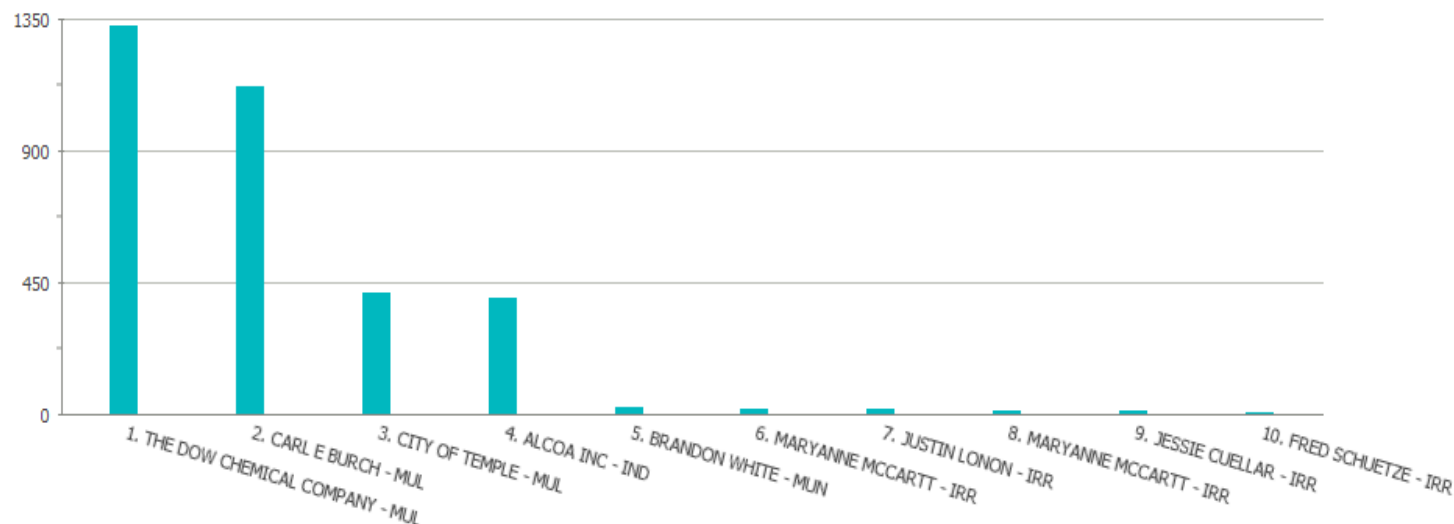
Certs Received To Date: 1006  
POR's Closed To Date: 744

Certs Received Current Period: 19  
POR's Closed Current Period: 81

Certs Received Previous Period: 191  
POR's Closed Previous Period: 312

Total AF Diverting: 3,361.6124

## Top Ten Diversions





# WATERMASTER EVALUATIONS

# WATERMASTER EVALUATIONS

- ✘ TCEQ's Sunset Bill (HB 2694) directed the TCEQ to:
  - + Evaluate each river basin or coastal basin that does not have a watermaster at least once every five years.
  - + Assess whether or not there is a need to appoint a watermaster in that basin.
  - + Report our findings to the Legislature.
- ✘ Repeat the assessment in each basin at least once every 5 years.



# FUTURE EVALUATIONS

- ✖ 2017: Brazos River Basin and the San Jacinto-Brazos Coastal Basin, the Colorado River Basin and the Brazos-Colorado and Colorado-Lavaca Coastal Basins
- ✖ 2018: Trinity and San Jacinto River Basins and the Trinity-San Jacinto and Neches-Trinity Coastal Basins
- ✖ 2019: Sabine and Neches River Basins
- ✖ 2020: Red and Canadian River Basin
- ✖ 2021: Sulphur and Cypress Creek Basins

# NON-WATERMASTER AREAS



# MEASURING AND METERING REQUIREMENTS

- ✘ Many certificates do not require the water right holder to install a meter
- ✘ More recent new appropriations and amendments to change a diversion point include a metering requirement

# MEASURING AND METERING REQUIREMENTS

- ✘ Install and maintain a measuring device which accounts for, within 5% accuracy, the quantity of water diverted from the point authorized
- ✘ Pump run times can be used in some circumstances
- ✘ Accounting Plans



# WATER USE REPORTING

- ✖ Self-reported
- ✖ Annual basis
  - + Forms are mailed each January to all water right holders in non-watermaster areas
  - + The reports must be returned by March 1.
- ✖ Water right holders are required to maintain water use information on a monthly basis during the months a water rights holder uses permitted water and make the information available when requested.
- ✖ TCEQ can request information during a drought or other emergency shortage of water or in response to a complaint.

# WHO NEEDS TO SUBMIT A WATER USE REPORT

- ✘ Each holder of a water right is required to submit a water use report each year, even if no appropriated water is used.
- ✘ All water right holders who impound, divert, or otherwise use state water must submit a report
- ✘ A water right holder who fails to file a water use report may be liable for a penalty each day :
  - + \$100 per day for a water right less than 5,000 acre-feet; or
  - + \$500 per day for a water right more than 5,000 acre-feet per year.



# CURRENT WATER USE REPORT FORMS

\_\_\_\_\_/CO/\_\_\_\_\_/Water Use Report

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**  
**REPORT OF SURFACE WATER USED FOR THE YEAR ENDING DECEMBER 31<sup>st</sup>, 20\_\_\_\_**  
for

**TYPE**

**WATER RIGHT NO:**

**USE:**

**TWDB ACCT#:**

**OWNER:**

If you have a change in name, address or ownership, please indicate the changes on this form. NOTE: Changing ownership also requires recorded documents such as deed(s) and in case of inheritance, will, probate order, and will inventory. Per Texas statutes, a fee of \$100.00 will be charged for each transfer or name change.

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**1 Acre-Foot = 325.851 Gallons**

# CURRENT WATER USE REPORT FORMS

**1 Acre-Foot = 325,851 Gallons**

	<b>Maximum Diversion Rate</b> (Specify: <input type="checkbox"/> CFS or <input type="checkbox"/> GPM)	<b>Monthly Diverted Amount</b> (acre-feet)	<b>Monthly Consumed Amount</b> (acre-feet)	<b>Monthly Return Flow</b> (acre-feet)
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				
	<b>Total:</b>			



# NEW WATER USE REPORT FORMS

Completed form is **DUE TO TCEQ** by 03/01/17

**ADJ/1702/CO/20160103/Water Use Report**

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY REPORT OF SURFACE WATER USED FOR THE YEAR ENDING DECEMBER 31, 2016

for

**CERTIFICATE OF ADJUDICATION  
(JAD REPORT #3)**

**WATER RIGHT NO: 1702**

**USE: MUNICIPAL / DOMESTIC**

**CITY OF COLEMAN  
2<sup>nd</sup> ADDRESS LINE  
PO BOX 592  
COLEMAN TX 76834-0592**

I am reporting water used for the water right holder(s) [owner] listed below.

CN11111111111 – Owner1  
CN22222222222 – Owner2  
CN33333333333 – Owner3  
CN44444444444 – Owner4  
CN55555555555 – Owner5

CN66666666666 – Owner6  
CN77777777777 – Owner7  
CN88888888888 – Owner8  
CN99999999999 – Owner9  
CN01111111111 – Owner10

☐ Please check this box if you have a change in name, address or ownership and indicate the changes on the back of this form.

Instructions for completing the form are enclosed. 1 Acre-Foot = 325,851 Gallons

If you are receiving this Water Use Report form, you must complete, sign, and return the form to TCEQ. Even if your water use is zero, indicate that on this form, provide a reason or explanation in the comment field, and submit the form to TCEQ. Please coordinate your water use reporting with all holders of this Water Right in order to avoid duplicative reporting.

Complete the table below by entering the amount of water that you diverted (even if zero). **EXCLUDE GROUNDWATER and WATER YOU PURCHASED UNDER A CONTRACT.**

# NEW WATER USE REPORT FORMS

USE	MUNICIPAL / DOMESTIC
Month	Diverted Amount (acre-feet)
Jan	
Feb	
Mar	
Apr	
May	
Jun	
Jul	
Aug	
Sep	
Oct	
Nov	
Dec	
<b>Total:</b>	
	<b>Maximum Diversion Rate</b> (Specify <input type="checkbox"/> CFS or <input type="checkbox"/> GPM)

**Please answer the following questions**

If you have a permitted on-channel impoundment or reservoir, what is the condition of your dam? \_\_\_\_\_

(e.g., Good, Fair, Poor)

Do you have working low flow outlet(s) on your impoundment(s)? ☐ Yes ☐ No

**Comments:** \_\_\_\_\_

[illegible]



# NEW WATER USE REPORT FORMS

USE	INDUSTRIAL	
Month	Diverted Amount (acre-feet)	Consumed Amount (acre-feet)
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		
<b>Total:</b>		
	<b>Maximum Diversion Rate</b> (Specify <input type="checkbox"/> CFS or <input type="checkbox"/> GPM)	

Please answer the following questions

If you have a permitted on-channel impoundment or reservoir, what is the condition of your dam? \_\_\_\_\_

(e.g., Good, Fair, Poor)

Do you have working low flow outlet(s) on your impoundment(s)?

☐ Yes ☐ No

Comments: \_\_\_\_\_

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# NEW WATER USE REPORT FORMS

Please answer the following questions. When answering all questions below and completing the table on the right, **EXCLUDE GROUNDWATER and WATER THAT YOU PURCHASED UNDER A CONTRACT.**

1. If you have a permitted on-channel impoundment or reservoir, what is the condition of your dam? \_\_\_\_\_

(e.g., Good, Fair, Poor)

Do you have working low flow outlet(s) on your impoundment(s)? ☐ Yes ☐ No

2. Did you divert any permitted water from a watercourse (i.e., a stream and / or on-channel reservoir)? ☐ Yes ☐ No (If No, skip to question 3 below)

If Yes,

Complete the Diverted Column in the table on the right by entering the total amount of water diverted (even if zero).

Check all uses for which water was diverted:

☐ Recreation ☐ Instream ☐ Wetlands ☐ Public Parks ☐ Game Preserves  
☐ Hydroelectric ☐ Flood Control ☐ Navigation ☐ Water Quality ☐ Other

3. Did you allow permitted water to remain in the watercourse under the terms of your permit?

☐ Yes ☐ No

If Yes,

Complete the Used Column in the table on the right by entering the total amount of water Used (even if zero).

Check all uses for which water was used:

☐ Recreation ☐ Instream ☐ Wetlands ☐ Public Parks ☐ Game Preserves  
☐ Hydroelectric ☐ Flood Control ☐ Navigation ☐ Water Quality ☐ Other

Complete the Diverted column below if you answered 'Yes' to question 2. Complete the Used column below if you answered 'Yes' to question 3.

Month	Diverted (acre-feet)	Used (acre-feet)
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		
Total:		
Maximum Diversion Rate (Specify <input type="checkbox"/> CFS or <input type="checkbox"/> GPM)		



# NEW WATER USE REPORT FORMS

Please answer the following questions.

1. If you have a permitted on-channel impoundment or reservoir, what is the condition of your dam?

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(e.g., Good, Fair, Poor)

2. Do you have working low flow outlet(s) on your impoundment(s)? ☐ Yes ☐ No

# QUESTIONS?

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