

Conserve Water for Future Generations!



For more information about useful resources, programs, services or conservation please visit our Web site at www.pgcd.us.

You can also call or come by the office from 8 a.m. until 5 p.m. Monday thru Friday.

Panhandle Groundwater Conservation District

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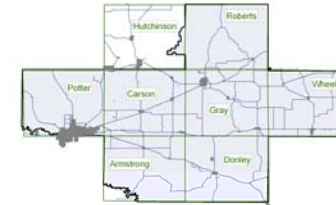
Panhandle Groundwater Conservation District

www.pgcd.us



Who are we?

We are the Panhandle Groundwater Conservation District (PGCD) a local governmental entity. Our focus is to preserve at least 50% of current water supplies in 50 years. We strive to develop, promote, and implement water conservation, augmentation, and management strategies to protect water resources for the benefit of the citizens, economy and environment of the District.



PGCD began working towards water conservation in 1955, when the District was created by legislature. Through five annexations over the years the District has grown to cover 6,309 square miles.

The District is governed by a nine member board, each representing a different precinct. Every four years, the precinct's residents elect their board member.

PGCD derives its authority from Chapter 36 of the Texas Water Code, and is guided by our Rules and Management plan.

The District is funded by ad valorem taxes. However, from time to time grants and loans from Texas Water Development Board are used carry out special projects

How Do We Help Conserve Water?

- Provide low cost or free water meters to agricultural producers to monitor their water use.
- Measure well water levels for research and identification of future issues.
- Educate students about water conservation, the water cycle, aquifer characteristics, where water comes from, and playa lakes.
- Operate a precipitation enhancement program to help increase groundwater recharge and decrease the need for irrigation.
- Create current maps showing groundwater supply for knowledge and future use.
- Demonstrate and support xeriscaping efforts in the area.

Why should I care?

EVERYONE is affected by water availability. The region has a semi-arid climate, meaning it receives low annual rain fall (10-20 in/yr). Therefore, it is critical to make every drop count. Within the District, the majority of the residents' sole source of water is the Ogallala Aquifer. Therefore, without the conservation of our groundwater there would be **no way** to survive here. This affects all the inhabitants, not just agricultural or petrochemical production.

However, **everyone** can help conserve our precious resource for future use.



We offer...

- Abandoned Well Capping and Plugging

We provide a well capping service. Abandoned wells can pose a health threat and danger to you or your neighbors. State law requires that an open well be closed or capped.

- Agriculture Loans

Funding is currently available for low interest agricultural loans for installation of efficient irrigation equipment. To date, over 110 loans have been issued throughout the District.



- Educational Programs

A water conservation presentation is held for 5th grade students at the schools in the District. Major Rivers, a TAKS affiliated water conservation course, is distributed to every 4th grader. We strive to continually educate everyone about water conservation.

- Flow Testing

A procedure is used to determine a well's output. This helps to determine efficient use of the well's water.

- Precipitation Enhancement

The goal of this program is to increase groundwater recharge and decrease the need for irrigation.



- Well Permitting and Drilling Regulations

All wells drilled within the District boundaries must be registered or permitted prior to production.

- Water Quality Testing

We provide a free analysis to any citizen of the District. Also, samples are taken yearly throughout the area to determine background quality changes.

- Xeriscaping Demonstration/Information

We can give you direction on how to construct a beautiful landscape with drought tolerant plants and use water wisely.



- Water Level Measurements

The District measures depth to water in approximately 850 wells to determine annual aquifer changes.

- Mapping

Using the water level measurements and well logs, we create contour and point specific maps for many groundwater characteristics.

- Tailwater Investigation

There are District rules prohibiting wasteful water use, helping to preserve our resource.

Future...

Our goal is to help maintain a balance between the amount of water needed for today and the amount to be conserved for the future.

Consistent preservation methods and intelligent use of our water will lead to a more sustainable groundwater supply.

If we all work steadily and continually expand our conservation efforts, the future of our water source is secure.



Water Saving Tips:

- When warming the shower let the water run into a five gallon bucket then use it to water plants.



- Adjust your lawn mower to a higher setting; taller grass shades roots and holds moisture.
- Shorten your shower by a minute or two and you'll save up to 150 gallons per month.



- Check your lawn before you water; if it is still moist two to three inches deep, it does not need watering.
- Use old pet water or dropped ice cubes to water plants.
- Install covers on pools and spas to reduce evaporation.