

Conservation Corner

Advanced, Spanish language workshops are planned –

Free Water\$mart Workshops Offered Again This Year

In addition to traditional Water\$mart Workshops, the University of Arizona Pima County Cooperative Extension Low 4 Program will be offering Advanced \$martscape (for landscape professionals) and a Spanish language \$martscape program. More information will be available soon.

January 21, 2006, Saturday

Pima County Cooperative Extension
4210 N. Campbell Avenue, Tucson

9:00am–12:00pm Hands-On Drip
Irrigation*

1:00pm–3:00pm Irrigation Timers

February 18, 2006, Saturday

Tohono Chul Park (Desert Discovery Center)
7366 N. Paseo Del Norte, Tucson

9:00am–12:00pm Desert Landscaping

April 1, 2006, Saturday

Pima County Cooperative Extension
4210 N. Campbell Avenue, Tucson

9:00am–12:00pm Hands-On Drip
Irrigation*

1:00pm–3:00pm Water Harvesting

*You can register for a workshop by calling Teri at (520) 626-5161. Registration is recommended for workshops and is **required** for “hands-on” classes. Tucson Water helps sponsor the Water\$mart series each year.

January 2006

www.tucsonaz.gov/water

Your Water Connection

NEWS & TIPS FOR TUCSON WATER CUSTOMERS

Water 101

**Focus on Protecting our Environment,
Good Water Quality –**

On the Water Horizon in '06

This year will be an important one for Tucson Water customers with water quality decisions, new and more water conservation information, and increased use of renewable water resources on tap. We'll be working to protect our environment, ensure good quality water, and improve the reliability and flexibility of our water system.

Our Environment

Reducing our water use and using more reclaimed water will help us protect our riparian areas, continue to reduce groundwater pumping, and decrease concerns about subsidence.

New Water Conservation Ideas, More Information

The Community Conservation Task Force will be issuing its recommendations this year . . . recommendations that will focus on using new technologies and new programs to help reduce water use throughout the region. We'll also be offering

Water 101 continued inside

Have a question for Water 101 or a suggestion for a topic? Call us at 791-4331 or e-mail to

TW_Web1@ci.tucson.az.us

On the Water Horizon in '06

Water 101 continued from front

you more information about how you can use water wisely, including harvesting rainfall and reusing gray water.

Using More Reclaimed Water

Another golf course (the 15th in the region) and more schools and parks will be converted to using treated effluent from Tucson Water's Reclaimed Water System for irrigation. Our use of Reclaimed Water saves billions of gallons of drinking water each year, and because the amount of effluent available to us is always increasing, it's a water resource we can tap into without concerns about our environment.

Quality Water

This year, Tucson Water's water quality professionals will once again be collecting and testing tens of thousands of water samples to make sure we provide you and your family with quality, safe water. We also want to talk with you about our future water quality as part of the *Long Range Water Plan*.

Decisions About Our Water Future

What quality of water do we want in the future? What are the pros and cons of controlling the mineral content of our water supply? These are some of the questions Tucson Water will be asking you this year as we work together to make decisions about the future of our water. Watch for more information about how you can be involved in this discussion beginning in late spring and early summer.

Building Flexibility and Reliability

You should never have to worry about whether you'll have water available in your home whenever you need it. Every year Tucson Water performs maintenance and improvements that help ensure that our drinking water system remains among the most dependable in the world. We also work on the water system's flexibility so unexpected issues are less likely to inconvenience you.

Improvements to Your Drinking Water System

The new year will see work on a number of storage facilities and pipelines designed to improve the drinking water system. This summer, Tucson Water will be making much needed upgrades to the 22nd St. Reservoir at Craycroft. The Diamond Bell Reservoir, in the southwest part of the water service area, will be finished this spring. New pipelines and well upgrades will also be completed this year. There are more than twenty projects to improve our water system planned for 2006.

More Recharge, Less Groundwater Pumping

Tucson Water will continue to increase the amount of Colorado River water recharged at the Clearwater Facility, creating more blended water so we can reduce the amount of groundwater we pump. Clearwater Phase II will also begin this year.

For more information about our goals for 2006, please call Tucson Water at 791-4331 or visit our Web site – www.tucsonaz.gov/water.



On the Water Front

Water is the most important resource in our desert environment. In order to preserve that environment, we need to be responsible stewards of our water – using it wisely.

At Tucson Water, we see encouraging conservation as one of our primary responsibilities.

We provide you with information, education programs, and direct assistance to make it easier for you to conserve water in your home or business. Water rates are also set to provide an incentive for wise water use. And our Mayor and Council have developed and enacted City ordinances that, among other requirements, mandate low flow plumbing fixtures in all new construction and limits turf at new commercial facilities.

More progress this year will come from our Community Conservation Task Force – a group of customer volunteers representing many different needs and points of view that has been working since last summer to review options to help all of us save more water. The Task Force report will be complete this spring and should include a number of innovative recommendations including the use of newly developed technologies that can help decrease the average customer's water use.

The ultimate goal is to find new ways to reduce the 163 gallons of water that each of us use in a typical day. By decreasing our average daily water usage, we'll be able to further delay the need to find and acquire additional water resources for the future.

The health of our desert environment depends on all of us making wise decisions about how much water we use. Conserving water allows us to reduce groundwater pumping, and protects our environment – particularly our remaining riparian areas. Remember, in the desert, every drop counts.

Join in. To get more information about water conservation or any of these water saving plans for 2006, call us or visit our Web site at www.tucsonaz.gov/water.

Dave Modeer
Director, Tucson Water

Clearwater Quality Report- December 2005

52*	Sodium (mg/L)
334.4	Mineral Content (mg/L)
142*	Hardness (mg/L)
8.03	pH (S.U.)
Neg*	Coliform Bacteria
0.97	Chlorine level average (mg/L)
84.0	Temp (deg F)

Visit the Tucson Water Web site at www.tucsonaz.gov/water

Your Water Connection is produced by Tucson Water. To receive a copy, or to receive this information in Spanish, call 791-4331 or mail your request to: Tucson Water, Customer Information, P.O. Box 27210, Tucson, AZ 85726-7210.

City of Tucson TTY number: 791-2639

Si usted desea este documento escrito en español, por favor, llame al 791-4331.

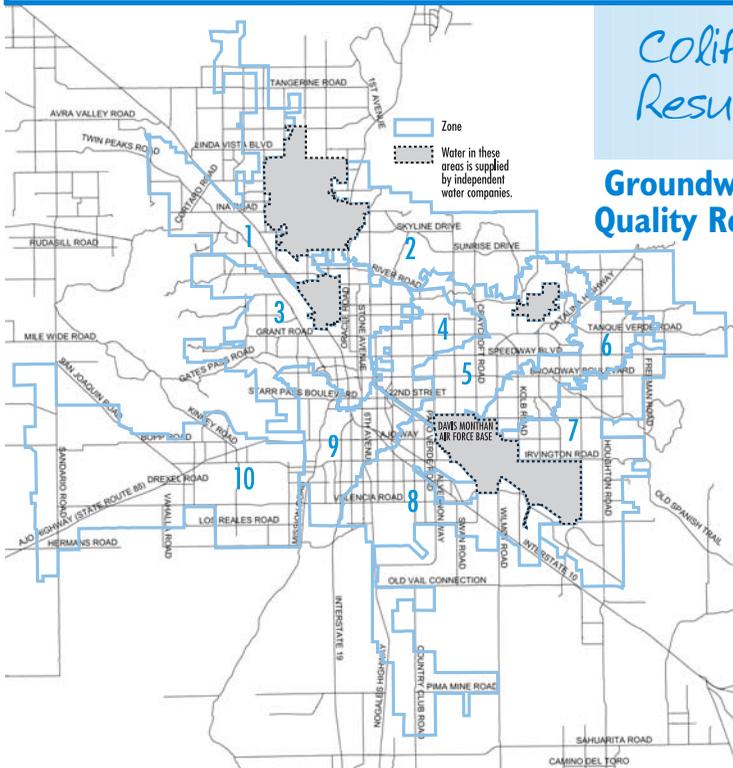


* Values for November 2005

Groundwater Quality Report - October 2005

Water Quality Zone		1	2	3	4	5	6	7	8	9	10	System Wide
Sodium (mg/L)	Average	44	53	51	49	47	46	32	44	48	44	46
77 SAMPLING POINTS	Range	35-49	52-53	28-59	33-55	32-54	30-53	23-52	43-46	37-57	40-53	23-59
Mineral Content (mg/L)	Average	408	351	352	336	318	327	262	360	308	239	325
263 SAMPLING POINTS	Range	196-550	340-365	187-411	195-368	210-367	223-360	182-355	321-447	203-450	207-337	182-550
Hardness (mg/L)	Average	214	151	157	138	140	142	113	192	125	94	143
77 SAMPLING POINTS	Range	201-225	143-157	117-189	68-155	101-158	101-158	88-153	166-273	79-207	76-142	68-273
pH (S.U.)	Average	7.-6	8.0	7.9	7.9	7.9	8.0	7.9	7.6	7.9	8.0	7.9
263 SAMPLING POINTS	Range	7.3-8.0	7.8-8.1	7.6-8.1	7.7-8.1	7.6-8.1	7.5-8.2	7.8-8.1	7.4-7.8	7.5-8.1	7.9-8.1	7.3-8.2
Temperature (deg F)	Average	81	85	84	85	83	84	82	83	85	86	84
263 SAMPLING POINTS	Range	77-83	79-88	76-90	80-87	78-89	79-89	78-88	80-87	79-91	82-89	76-91

Coliform Bacteria Testing Results - October 2005



Groundwater Quality Report

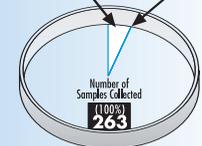


EPA Standard for Positive Samples

5%

Number of Positive Samples for Total Coliform

0.0%

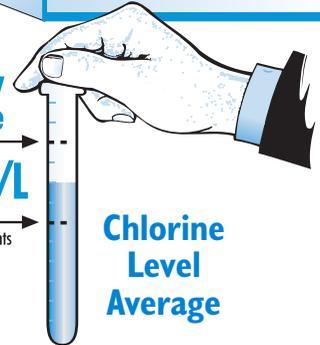


Target = 0.6 to 1.0 mg/L

Monthly Average

0.8 mg/L

263 Sample Points



Chlorine Level Average

"mg/L" means milligrams per liter;
1 mg/L = 1 teaspoon in 1,302 gallons

To give you a more accurate measurement of the water quality in your neighborhood, the Tucson Water service area has been divided into 10 zones based on differences in water pressure and water quality. For a detailed description of the zone boundaries, call 791-4331.

With the exception of chlorine and coliform bacteria, none of the water quality parameters reported here have U.S. Environmental Protection Agency primary standards set for them. For more information about primary and secondary water quality standards, visit Tucson Water's Web site at www.tucsonaz.gov/water.