

Right from the Start

November 2005

www.tucsonaz.gov/water

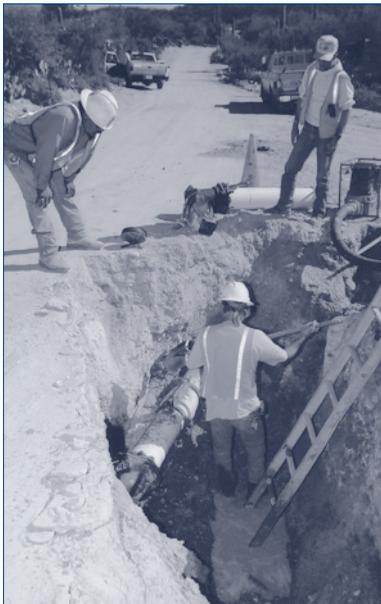


Tucson Water's Design Standards manual is now available on our Web site. This manual lays out the design guidelines and requirements for water delivery systems built by private contractors

in homes and businesses that will become a part of the Tucson Water system.

The manual has guided contractors for decades, but it has recently been updated and made Web-accessible. Now, engineering firms and contractor outlets can simply go to the Web to find all the requirements and standards they need to make sure the water systems they design comply with Tucson Water guidelines.

Tucson Water would like to thank a number of private engineering firms, government agencies, and Tucson Water staff for helping refine the manual and get it online.



Your Water Connection

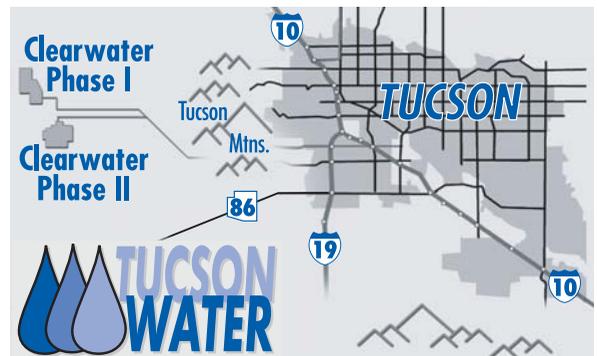
NEWS & TIPS FOR TUCSON WATER CUSTOMERS

Clearwater Phase II Open House

Citizens Learn, Share Views on Recharge

The design of a new water recharge project in Avra Valley, west of Tucson, was the subject of a Tucson Water open house last month at Ryan Airfield.

Tucson Water hydrologists, water quality professionals, and system planners were there sharing information about the Clearwater Phase II facility, which is now being planned and designed. Citizens learned about the location of the facility and the



Clearwater Phase II *continued inside*

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

TW_Web1@ci.tucson.az.us

Clearwater Phase II Open House

Citizens Learn, Share Views on Recharge

Clearwater Phase II *continued from front*

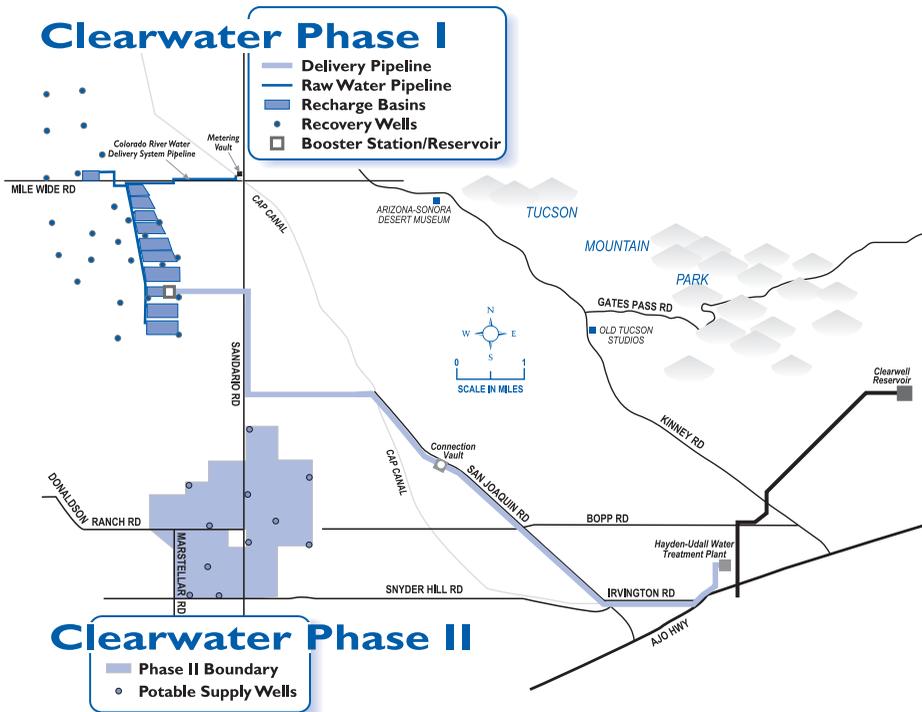
timeline for its construction, the water recharge process, hydrology and soils studies that have been conducted on the site, how this project fits into Tucson Water's future water resource planning, and information about the prevention of mosquito breeding at the site.

Members of the Avra Valley Citizens Oversight Committee were also in attendance sharing information about their involvement in the project. This group, which worked with Tucson Water for many years on the original Clearwater Facility, is again assisting with this new project.

"We had a good discussion about the plan and were able to answer a lot of questions," said Ed Lopez, Tucson Water's Project Manager for Clearwater Phase II. "We wanted to start a dialog with our future neighbors here and make sure they understand what we're doing to make sure this project is constructed and operated in a way that addresses any concerns they might have. I think we did a good job of accomplishing that."



Citizens had the opportunity to ask questions about any aspect of Tucson Water's new recharge facility at the Clearwater Phase II Open House.



A number of recharge basins will be constructed at Clearwater Phase II to accept about 45,000 acre feet of Colorado River water per year.



On the Water Front

Partnerships are important to Tucson Water. Whether it's educational or research partners like the University of Arizona, health-related partners like the Pima County Health Department, or technical partners like the American Water Works Association, during the past decade we've sought to work together with other groups, agencies and organizations to plan for and address various water issues.

We feel that, over the years, these relationships have been good for us and for our partners. They've also helped us improve our service, our response to problems in the water system, our regulatory planning, and many other aspects of our business.

One of those valuable partnerships that we've recently renewed is with our Avra Valley Citizens Oversight Committee. This committee, made up of residents of the areas near the Clearwater Facility, has worked with us for many years on the development of that project. Water quality, hydrologic issues, noise mitigation, and mosquito control are just a few of the issues on which the committee has shared its concerns, advice, and opinions with us. Overall, the committee members played an important role in the construction of Clearwater – a facility that now supplies about half of all the water delivered by Tucson Water.

We asked this committee to work with us in planning for Clearwater Phase II. The new facility will be located several miles south of the existing recharge and recovery basins, in an area where Tucson Water already has a number of groundwater wells. This means that we can focus on building the basins and the pipeline that will deliver the Colorado River water to those basins, and add only a few new production wells to those already in the area to recover the blend and deliver it to you.

We're looking forward to working with our neighbors in Avra Valley over the next few years as they assist us with this next major step in reducing our use of groundwater by increasing our use of renewable Colorado River water. Expanding Clearwater is a significant milestone in ensuring a sustainable water future for our community.

If you'd like more information about Clearwater Phase II, please give us a call.

Dave Modeer
Director, Tucson Water

Clearwater Quality Report - October 2005

51*	Sodium (mg/L)
356.5	Mineral Content (mg/L)
145*	Hardness (mg/L)
8.02	pH (S.U.)
Neg*	Coliform Bacteria
0.78	Chlorine level average (mg/L)
84.6	Temp (deg F)

* Values for September 2005

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

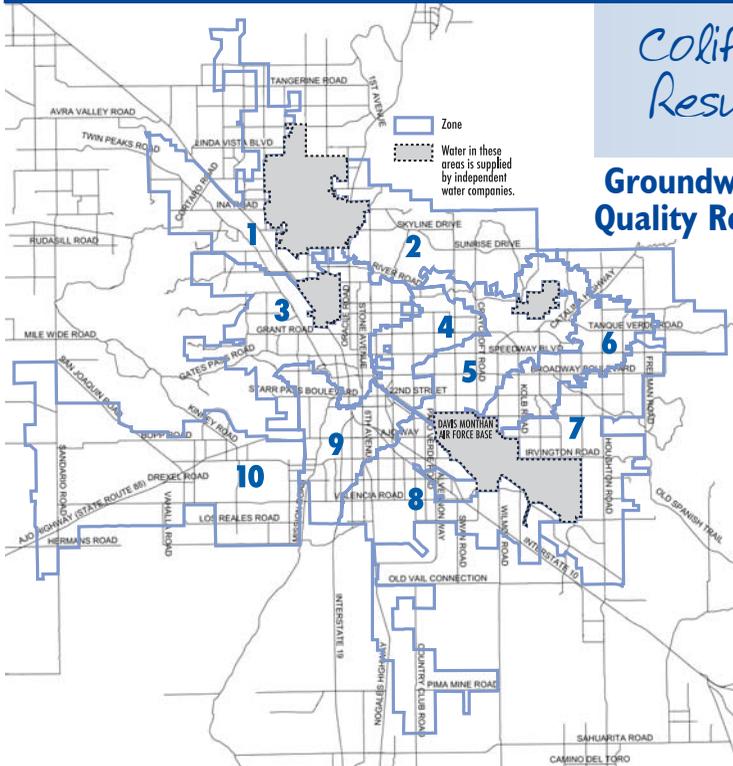
Si usted desea este documento escrito en español, por favor, llame al 791-4331.



Groundwater Quality Report - August 2005

Water Quality Zone		1	2	3	4	5	6	7	8	9	10	System Wide
Sodium (mg/L)	Average	59	50	49	44	45	44	37	41	46	42	45
86 SAMPLING POINTS	Range	39-90	39-90	45-52	22-55	28-53	32-52	31-50	23-50	35-46	35-72	41-44
Mineral Content (mg/L)	Average	402	341	336	298	315	314	262	366	297	228	315
246 SAMPLING POINTS	Range	198-563	326-353	182-388	184-357	211-365	213-347	160-337	324-449	209-466	210-347	160-563
Hardness (mg/L)	Average	251	142	141	125	134	144	128	192	96	79	137
86 SAMPLING POINTS	Range	206-327	133-156	90-165	91-164	89-180	115-160	107-154	146-277	64-148	75-92	64-327
pH (S.U.)	Average	7.6	8.0	8.0	8.0	7.9	7.8	7.9	7.6	7.9	7.9	7.9
246 SAMPLING POINTS	Range	7.3-8.1	7.5-8.1	7.4-8.2	7.4-8.0	7.3-8.0	7.5-8.0	7.5-8.0	7.3-7.7	7.3-8.0	7.3-7.8	7.3-8.2
Temperature (deg F)	Average	85	89	88	89	87	86	88	85	88	89	88
246 SAMPLING POINTS	Range	81-92	87-91	81-95	82-92	84-91	78-93	83-92	78-91	82-95	85-92	78-95

Coliform Bacteria Testing Results - August 2005



Groundwater Quality Report

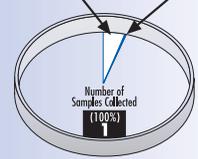


EPA Standard for Positive Samples

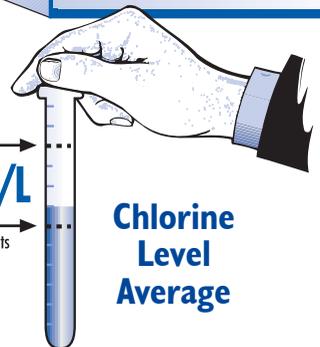
Number of Positive Samples for Total Coliform

5%

0.4%



Monthly Average
0.7 mg/L



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 website at www.tucsonaz.gov/water.