WATER QUALITY INFO NET

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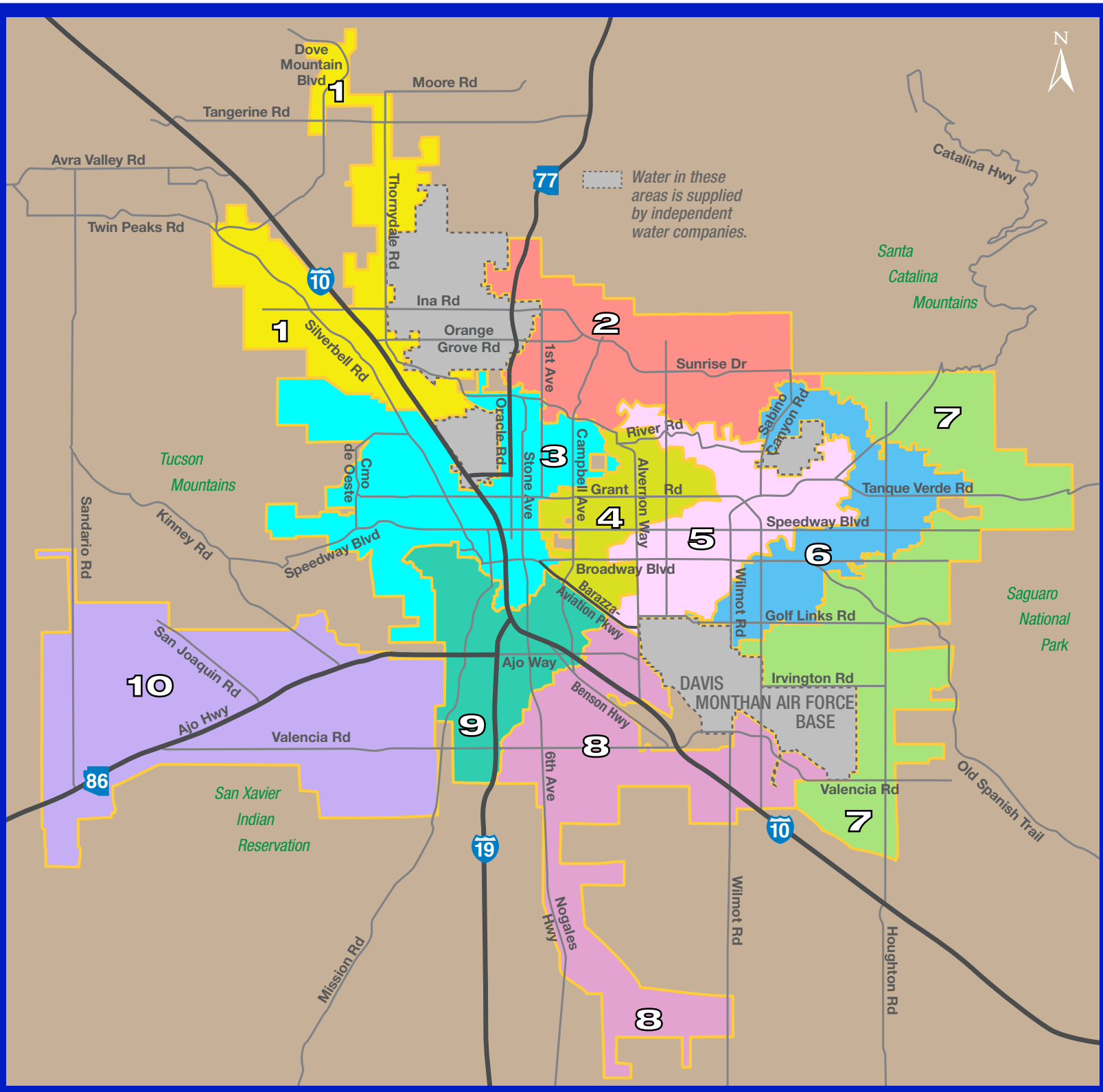
February 2015

To ensure your tap water is safe, clean and secure, Tucson Water conducts approximately 14,500 individual tests each year on the water in the main distribution system – before it reaches your home. Test results for key parameters are reported by 10 water quality zones for a water distribution system that covers some 375 square miles.

Main Water System



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Main Water System

Test Results by Water Quality Zone

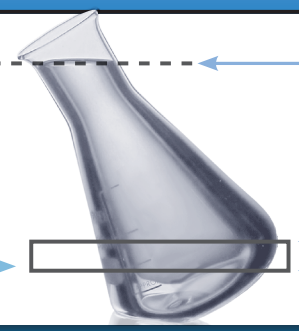
Zones	Hardness (mg/L*) 84 SP	Sodium (mg/L*) 84 SP	Nitrate-N (mg/L*) 84 SP	Fluoride (mg/L*) 84 SP	pH Level (S.U.) 247 SP	Temperature (deg°F) 247 SP
1	255	84	2.04	0.41	8.0	70.0
2	245	69	1.05	0.37	8.1	70.4
3	240	66	1.72	0.53	8.0	68.9
4	241	68	0.96	0.35	8.0	70.9
5	244	68	1.09	0.38	8.0	71.0
6	243	67	1.14	0.40	8.0	70.0
7	221	61	1.25	0.40	8.0	69.7
8	211	58	2.15	0.59	7.7	71.9
9	212	62	1.75	0.47	7.9	72.0
10	197	65	1.70	0.35	7.9	70.5
Avg	232	66	1.40	0.43	8.0	70.5

***mg/L** means milligrams per liter **1 mg/L** = 1 teaspoon in 1,302 gallons **SP** = Sample Points **S.U.** = Standard Units

COLIFORM

The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

CHLORINE



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Tucson Water also monitors water quality at 10 separate and distinct community systems served solely by local groundwater wells – not from the main water distribution system. Hundreds of individual tests are conducted each year on these community wells to ensure well water is clean, safe and secure.

Catalina Water System

Catalina is a community partially served by Tucson Water. It has about 400 connections, supplying water to about 1,000 persons with water from two wells.

TEST RESULTS from 2 Sample Points

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (deg°F) 1 SP	pH Level (S.U.) 2 SP	Temperature (deg°F) 2 SP
87	25	0.44	0.51	8.2	66.7

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

COLIFORM

The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples 1

Positive results 0

CHLORINE

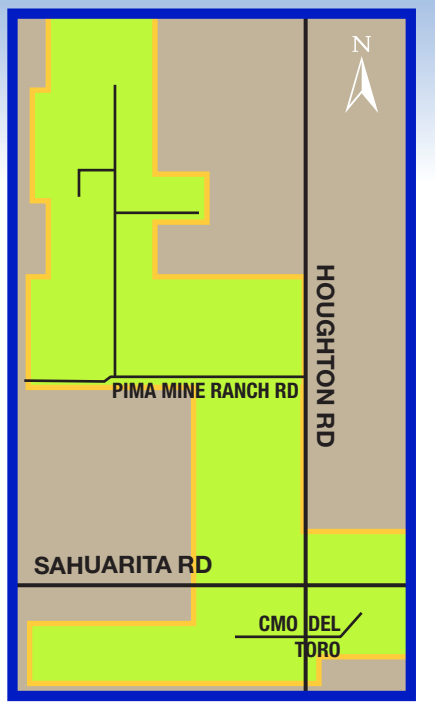
EPA Standard *Max. 4.0 mg/L*

Tucson Water target average *0.8 to 1.2 mg/L*

Actual Average *0.8 mg/L*

Corona de Tucson Water System

Corona de Tucson is a community located near Sahuarita and Houghton Roads, with about 2,600 connections supplying about 7,300 persons with water from three wells.



TEST RESULTS from 9 Sample Points

Hardness (mg/L*) 3 SP	Sodium (mg/L*) 2 SP	Nitrate-N (mg/L*) 3 SP	Fluoride (deg°F) 3 SP	pH Level (S.U.) 9 SP	Temperature (deg°F) 9 SP
228	52	0.98	0.37	7.6	68.6

***mg/L** means milligrams per liter **1 mg/L** = 1 teaspoon in 1,302 gallons **SP** = Sample Points

COLIFORM

The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples 1

Positive results 0

CHLORINE

EPA Standard *Max. 4.0 mg/L*

Tucson Water target average *0.8 to 1.2 mg/L*

Actual Average *0.7 mg/L*

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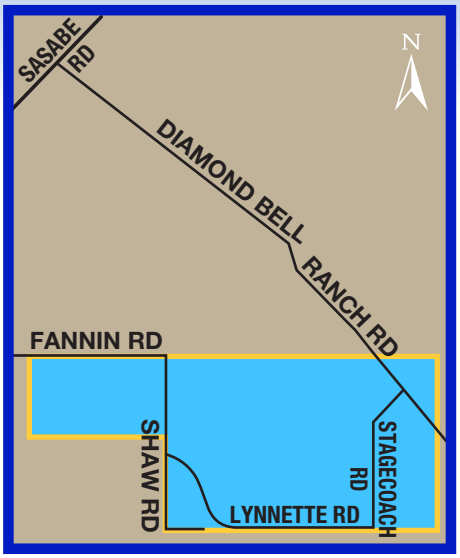
Diamond Bell Water System

Diamond Bell is a community located south and east of Sasabe Road and Diamond Bell Ranch Road respectively, with about 200 connections supplying about 570 persons with water from two wells.



TEST RESULTS from 1 Sample Point (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (deg°F) 1 SP	pH Level (S.U.) 1 SP	Temperature (deg°F) 1 SP
113	28	1.59	0.26	7.9	65.1

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

COLIFORM

The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples: 1

Positive result: 0

CHLORINE

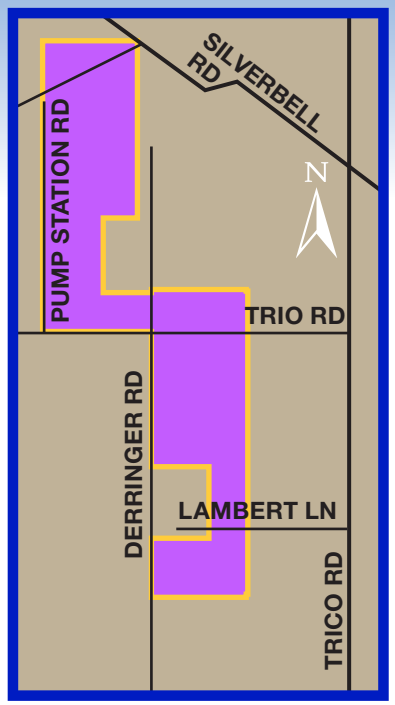
EPA Standard *Max. 4.0 mg/L*

Tucson Water target average *0.8 to 1.2 mg/L*

Actual *0.8 mg/L*

Rancho del Sol Lindo & White Fence Farms Water System

Rancho del Sol Lindo is a community located southwest of Silverbell Road and North Trico Road. Rancho del Sol Lindo has about 1,000 connections, supplying about 2,700 persons with water from two wells.



TEST RESULTS from 3 Sample Points (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (deg°F) 1 SP	pH Level (S.U.) 3 SP	Temperature (deg°F) 3 SP
113	35	2.49	0.51	7.9	69.1

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

COLIFORM

The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples: 1

Positive results: 0

CHLORINE

EPA Standard *Max. 4.0 mg/L*

Tucson Water target average *0.8 to 1.2 mg/L*

Actual Average *0.8 mg/L*

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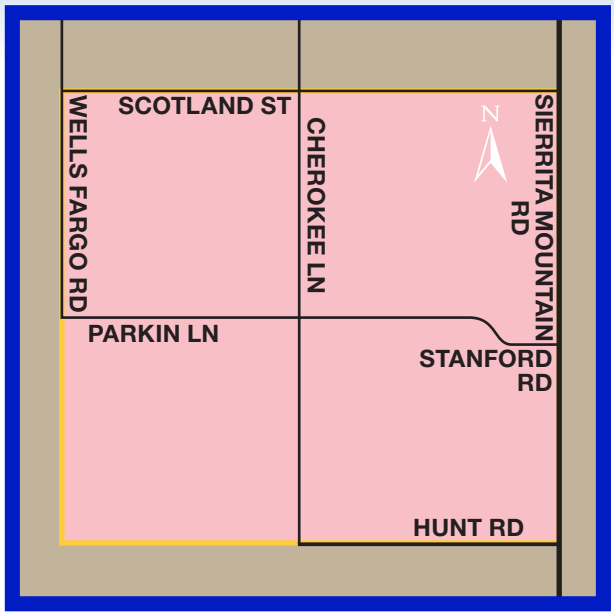
Sierrita Foothills Water System

This is a small community by the Three Points area, with 30 connections supplying approximately 75 people from one well.



TEST RESULTS from 1 Sample Point (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (deg°F) 1 SP	pH Level (S.U.) 1 SP	Temperature (deg°F) 1 SP
93	37	1.71	0.49	8.0	65.3

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

COLIFORM

The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples 1

Positive result 0

CHLORINE

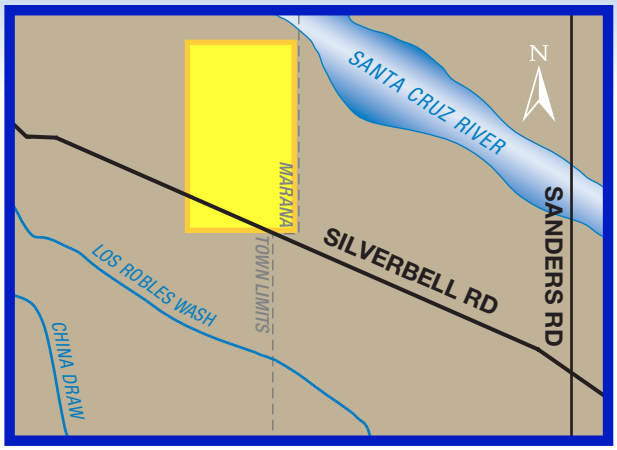
EPA Standard *Max. 4.0 mg/L*

Tucson Water target average *0.8 to 1.2 mg/L*

Actual *0.9 mg/L*

Silverbell West Water System

The Silverbell West system has 83 connections serving approximately 230 people from one well.



TEST RESULTS from 1 Sample Point (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (deg°F) 1 SP	pH Level (S.U.) 1 SP	Temperature (deg°F) 1 SP
270	82	2.20	0.48	7.6	70.7

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

COLIFORM

The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples 1

Positive result 0

CHLORINE

EPA Standard *Max. 4.0 mg/L*

Tucson Water target average *0.8 to 1.2 mg/L*

Actual *0.7 mg/L*

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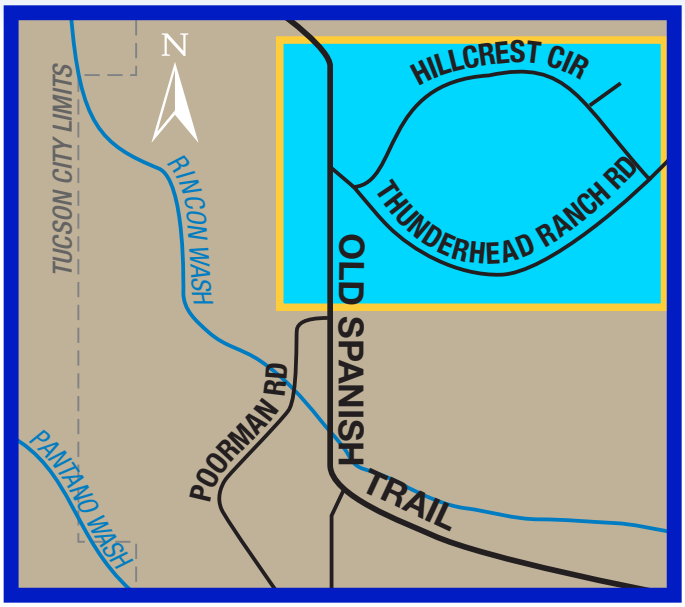
Thunderhead Ranch Water System

Thunderhead Ranch is a small subdivision west of Old Spanish Trail and about one and a half miles south of Irvington Road. It has about 57 connections supplying about 160 persons with water from two wells.



TEST RESULTS from 1 Sample Point

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (deg°F) 1 SP	pH Level (S.U.) 1 SP	Temperature (deg°F) 1 SP
91	13	2.07	0.18	8.2	69.3

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

COLIFORM

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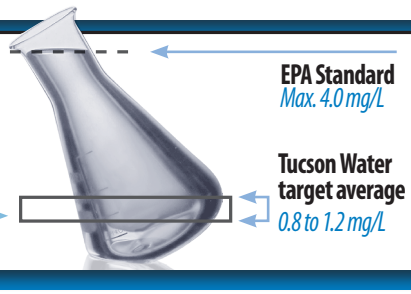
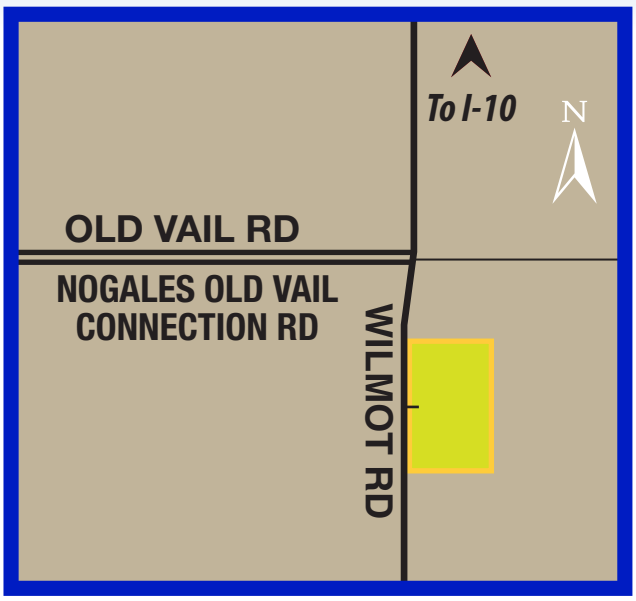
CHLORINE



Tucson Police-Fire Academy Water System

The Police-Fire Academy, located south of Interstate 10 and east of Wilmot Road, was built in the late 1990s. One well supplies about 25 persons regularly, plus class members taught at this facility.



TEST RESULTS from 1 Sample Point (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (deg°F) 1 SP	pH Level (S.U.) 1 SP	Temperature (deg°F) 1 SP
196	42	0.79	0.31	7.6	71.6

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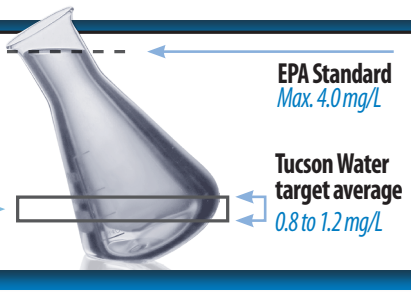
CHLORINE



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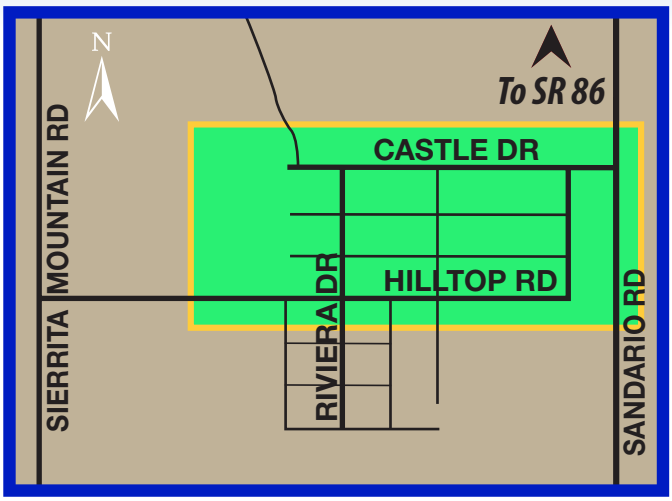
Valley View Acres Water System

Valley View Acres is a small community located north of Hilltop Road, just west of Sandario Road, with about 150 connections supplying about 470 people with water from two wells.



TEST RESULTS from 1 Sample Point (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (deg°F) 1 SP	pH Level (S.U.) 1 SP	Temperature (deg°F) 1 SP
116	45	1.78	0.58	7.7	65.3

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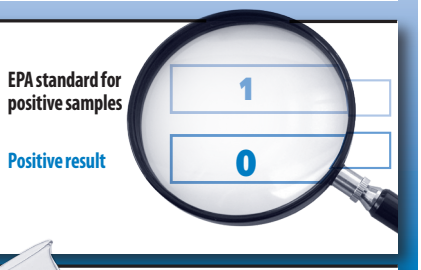
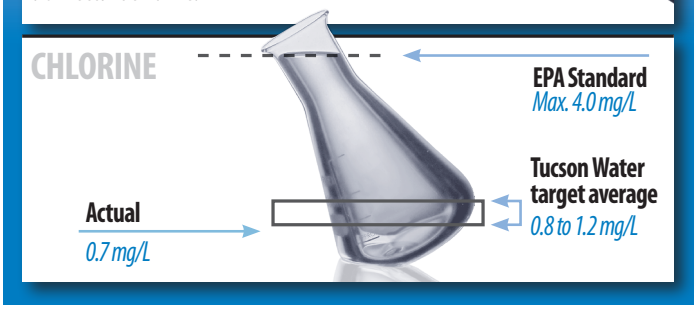
CHLORINE