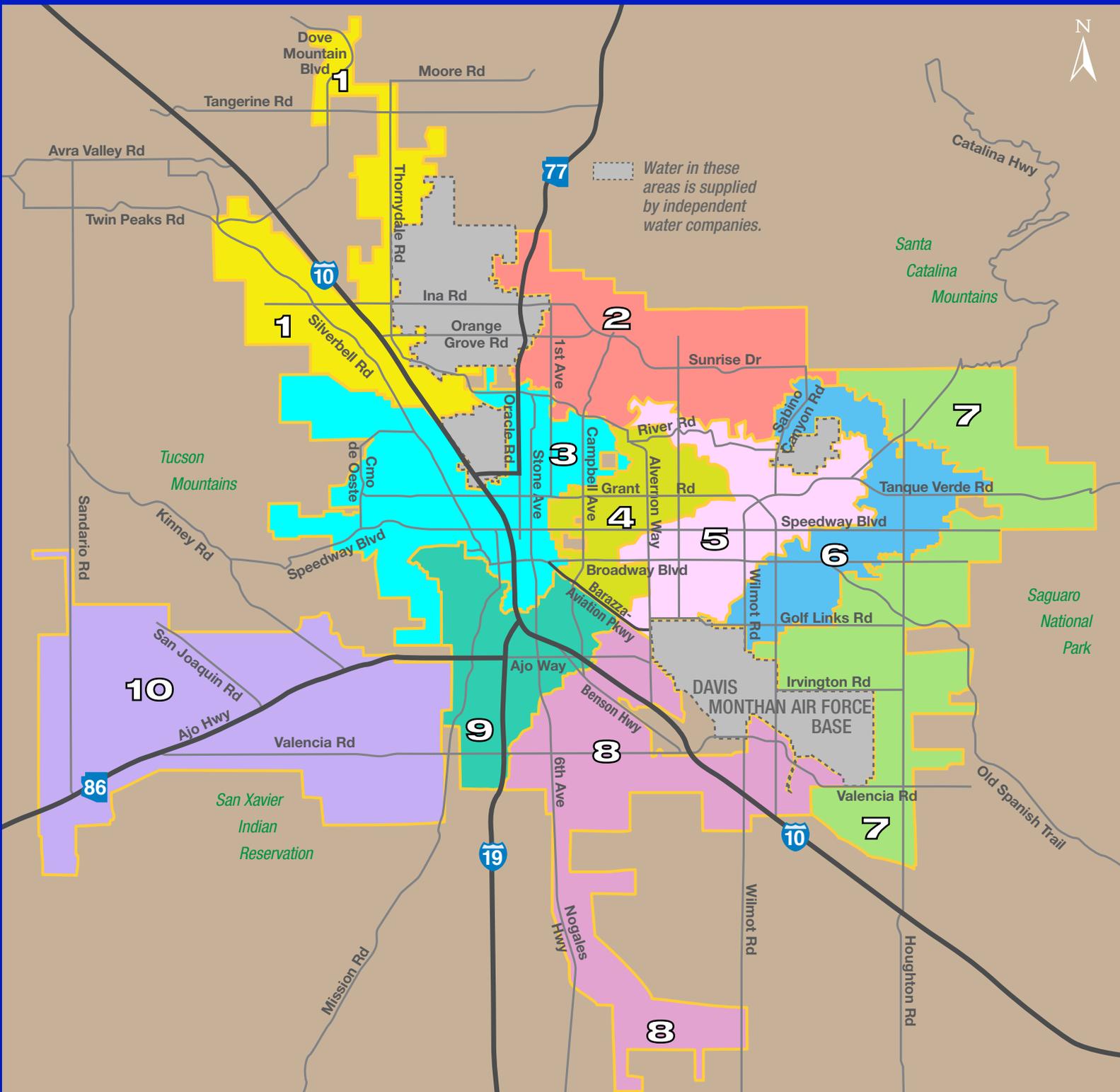


October 2015

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*) 80 SP	Sodium (mg/L*) 76 SP	Nitrate-N (mg/L*) 76 SP	Fluoride (mg/L*) 76 SP	pH Level (S.U.) 245 SP	Minerals (mg/L*) 245 SP	Temperature (deg°F) 245 SP
1	205	56	1.56	0.35	7.7	484	83.0
2	246	67	0.93	0.37	7.8	510	82.1
3	237	65	1.28	0.47	7.8	469	83.2
4	238	65	0.87	0.32	7.8	502	82.2
5	238	65	0.91	0.34	7.8	495	81.3
6	237	64	1.08	0.34	7.8	496	82.4
7	217	57	1.41	0.32	7.8	449	83.5
8	213	55	1.95	0.49	7.7	439	83.3
9	225	60	1.83	0.46	7.7	470	82.0
10	204	65	1.54	0.31	7.8	457	83.3
<b>Avg</b>	<b>231</b>	<b>63</b>	<b>1.25</b>	<b>0.38</b>	<b>7.8</b>	<b>479</b>	<b>82.5</b>

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

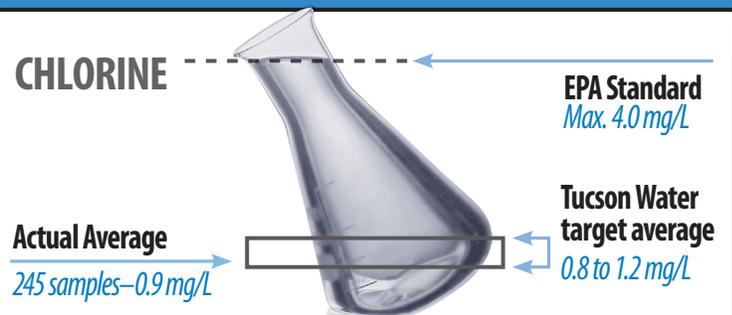
#### COLIFORM

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

EPA standard  
for positive  
samples  
Positive  
results  
245 samples



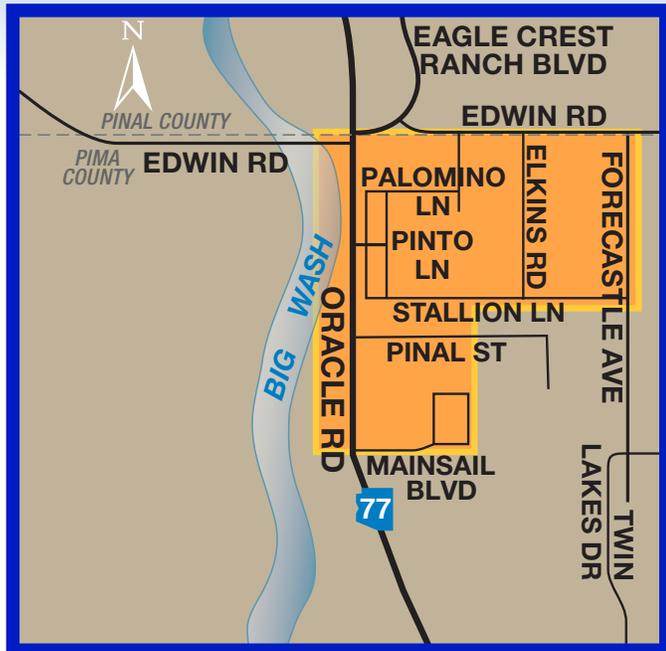
#### CHLORINE



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 (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (mg/L*) 1 SP	pH Level (S.U.) 2 SP	Minerals (mg/L*) 2 SP	Temperature (deg°F) 2 SP
85	25	0.44	0.51	8.1	179	82.6

\*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

Positive results

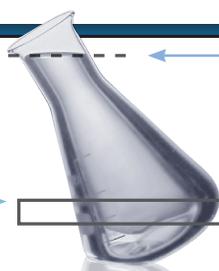


#### CHLORINE

Actual Average  
1.2 mg/L

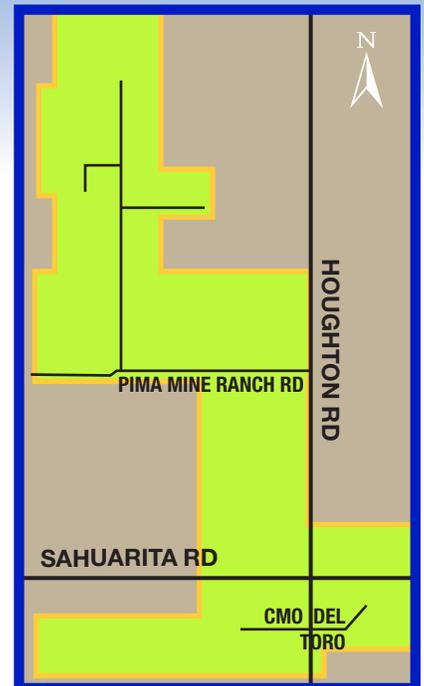
EPA Standard  
Max. 4.0 mg/L

Tucson Water target average  
0.8 to 1.2 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 (SP)

Hardness (mg/L*) 3 SP	Sodium (mg/L*) 3 SP	Nitrate-N (mg/L*) 3 SP	Fluoride (mg/L*) 3 SP	pH Level (S.U.) 9 SP	Minerals (mg/L*) 9 SP	Temperature (deg°F) 9 SP
197	49	1.13	0.41	7.6	391	83.3

\*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

Positive results

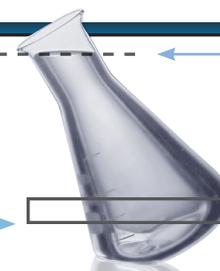


#### CHLORINE

Actual Average  
0.8 mg/L

EPA Standard  
Max. 4.0 mg/L

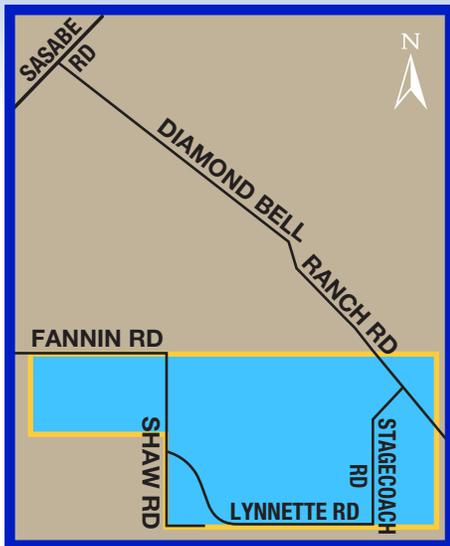
Tucson Water target average  
0.8 to 1.2 mg/L



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.

## 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 (mg/L*) 1 SP	pH Level (S.U.) 1 SP	Minerals (mg/L*) 1 SP	Temperature (deg°F) 1 SP
113	30	1.55	0.24	7.8	218	82.2

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

#### COLIFORM

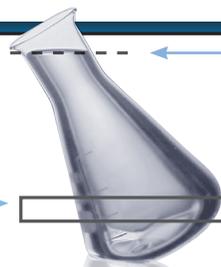
The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples  
Positive result



#### CHLORINE

Actual Average  
1.1 mg/L

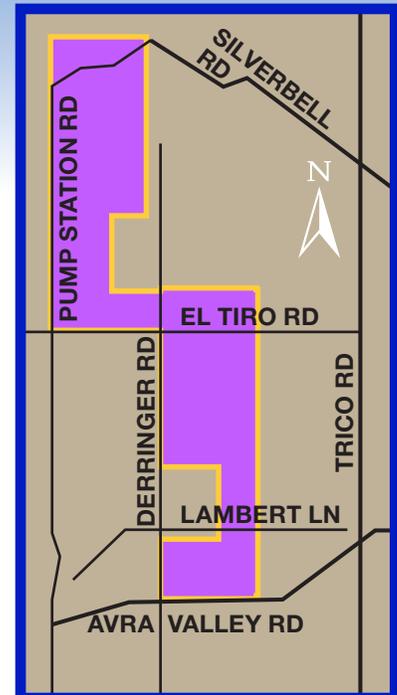


EPA Standard  
Max. 4.0 mg/L

Tucson Water target average  
0.8 to 1.2 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 (mg/L*) 1 SP	pH Level (S.U.) 3 SP	Minerals (mg/L*) 3 SP	Temperature (deg°F) 3 SP
172	45	4.12	0.47	7.8	376	84.3

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

#### COLIFORM

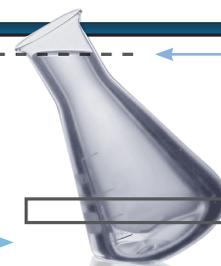
The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples  
Positive results



#### CHLORINE

Actual Average  
0.5 mg/L



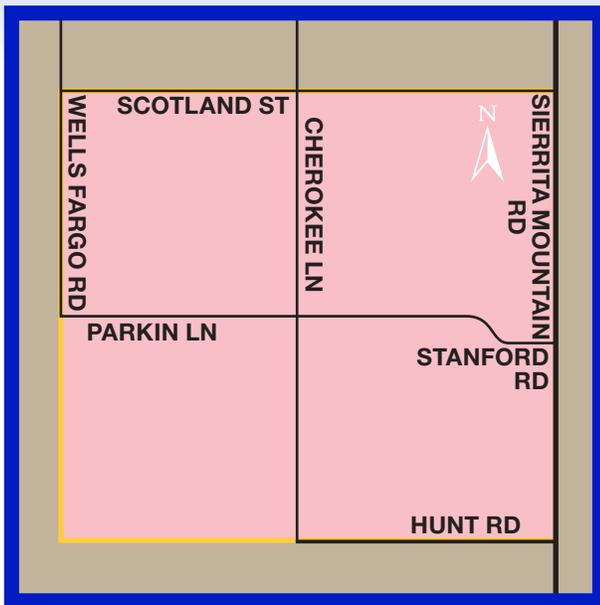
EPA Standard  
Max. 4.0 mg/L

Tucson Water target average  
0.8 to 1.2 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 (mg/L*) 1 SP	pH Level (S.U.) 1 SP	Minerals (mg/L*) 1 SP	Temperature (deg°F) 1 SP
90	37	1.67	0.48	7.9	218	84.0

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

#### COLIFORM

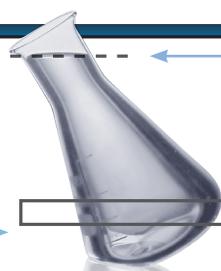
The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples  
Positive result



#### CHLORINE

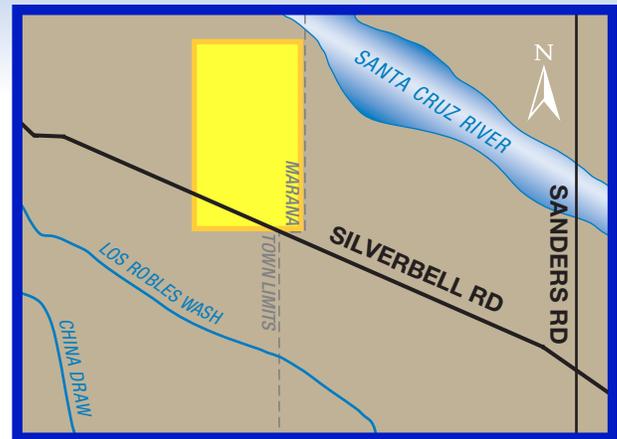
Actual Average  
0.7 mg/L



EPA Standard  
Max. 4.0 mg/L

Tucson Water target average  
0.8 to 1.2 mg/L

### Silverbell West Water System



#### TEST RESULTS from 1 Sample Point (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (mg/L*) 1 SP	pH Level (S.U.) 1 SP	Minerals (mg/L*) 1 SP	Temperature (deg°F) 1 SP
274	85	3.70	0.41	7.6	586	82.2

\*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.

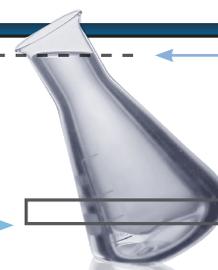
EPA standard for positive samples

Positive result



#### CHLORINE

Actual Average  
0.8 mg/L



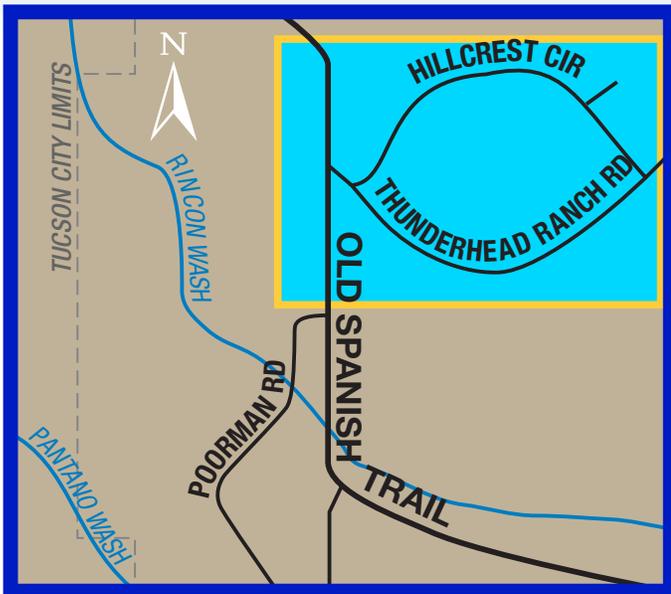
EPA Standard  
Max. 4.0 mg/L

Tucson Water target average  
0.8 to 1.2 mg/L

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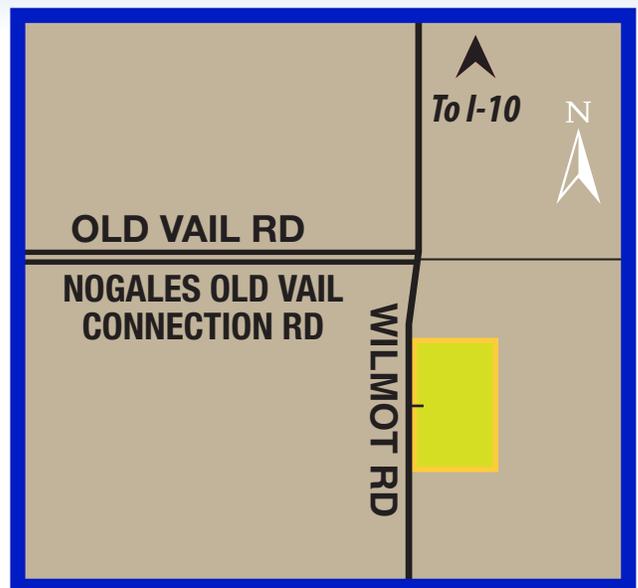
## Thunderhead Ranch Water System

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.



## 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 (mg/L*) 1 SP	pH Level (S.U.) 1 SP	Minerals (mg/L*) 1 SP	Temperature (deg°F) 1 SP
82	13	1.49	0.15	8.0	147	84.4

\*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.

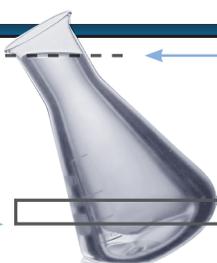
EPA standard for positive samples

Positive result



### CHLORINE

Actual Average  
0.8 mg/L



EPA Standard  
Max. 4.0 mg/L

Tucson Water target average  
0.8 to 1.2 mg/L

### TEST RESULTS from 1 Sample Point (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (mg/L*) 1 SP	pH Level (S.U.) 1 SP	Minerals (mg/L*) 1 SP	Temperature (deg°F) 1 SP
197	42	0.78	0.29	7.6	351	78.3

\*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.

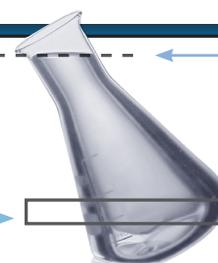
EPA standard for positive samples

Positive result



### CHLORINE

Actual Average  
0.9 mg/L



EPA Standard  
Max. 4.0 mg/L

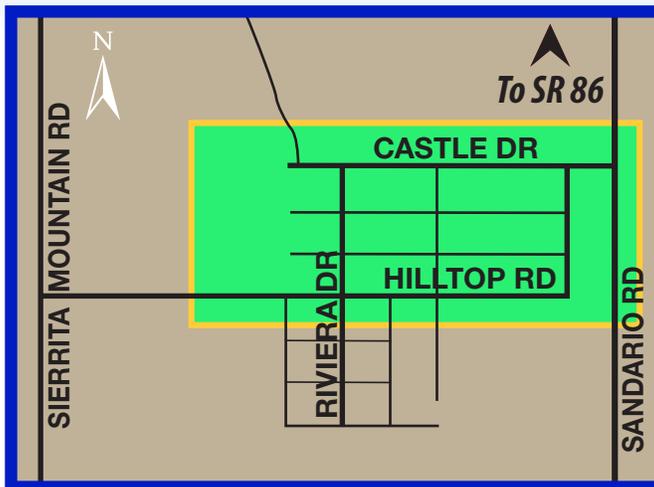
Tucson Water target average  
0.8 to 1.2 mg/L

October 2015

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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 (mg/L*) 1 SP	pH Level (S.U.) 1 SP	Minerals (mg/L*) 1 SP	Temperature (deg°F) 1 SP
94	54	1.46	0.36	7.8	275	81.7

\*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

Positive result



#### CHLORINE

EPA Standard  
Max. 4.0 mg/L

Tucson Water  
target average  
0.8 to 1.2 mg/L

Actual Average  
0.9 mg/L

