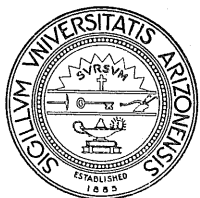


Bulletin 225

November 1949

University of Arizona Bulletin

DEPARTMENT OF AGRICULTURE



THE CHEMICAL COMPOSITION OF REPRESENTATIVE ARIZONA WATERS

Agricultural Experiment Station
University of Arizona, Tucson

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THE CHEMICAL COMPOSITION OF REPRESENTATIVE ARIZONA WATERS

H.V. Smith, A.B. Caster, W.H. Fuller,
E.L. Breazeale, and George Draper

INTRODUCTION

The water analyses given in this bulletin have been selected from a list of many thousand samples analyzed in the Agricultural Experiment Station during the past twenty years.¹ The analyses are being made available in this form to supply the demand for information on the quality of irrigation, municipal and domestic water supplies in the state.

The waters are listed alphabetically according to the community or town from which they were sampled. This method of arrangement, coupled with a listing according to location within river drainages (Fig. 1), makes the analyses easily accessible either by individual communities or by river drainages.

ANALYTICAL METHODS

The waters were analyzed for calcium and magnesium by titration with a standard soap solution. Chlorides were titrated with a standard silver nitrate solution. Sulfates were determined turbidimetrically after precipitation with barium chloride. Carbonates and bicarbonates were titrated with standard acid. Fluorine was determined by the Scott modification of the Sanchis method. Nitrates were determined by the phenol-disulfonic acid method and boron titrated with NaOH in the presence of mannite. Sodium was calculated by difference. Hardness was calculated as grains per gallon of calcium carbonate from the calcium and magnesium content of the waters. The sodium:calcium ratio was calculated by dividing the concentration of sodium by the calcium present.

1. Most of the waters reported here were submitted by well owners, members of the staff of the Experiment Station, the Extension Service, or the Soil Conservation Service.

INTERPRETATION AND SIGNIFICANCE OF ANALYSES

Waters which may be considered to be good domestic waters may be very poor irrigation waters, so standards for each are set up separately. According to McGeorge,¹ the following values may be used in classifying domestic waters.

DOMESTIC WATERS

Desirable qualities in domestic waters are freedom from taste, freedom from excessive hardness, and freedom from an excessive concentration of fluorine.

Salt content: The presence of 700 to 1000 p.p.m. or more of salt in water makes the water unpalatable and therefore objectionable to taste. For the normal individual there is no harm in drinking water containing 2000 p.p.m. of salts, although this is not to be recommended as a permanent practice.

Hardness: Hardness is a quality imparted to waters by the presence of calcium and magnesium. Water which is hard due to calcium combined with bicarbonates can be softened by boiling. This is called "temporary hardness." When calcium is combined with sulfates, the resulting hardness is known as "permanent hardness." Such waters cannot be softened by boiling. Water which is temporarily or permanently hard may be softened by use of a zeolite softener or by other chemical means. The efficiency of some of the new detergents on the market is not affected by the hardness of the water. Degrees of hardness are expressed in the following table:

1. McGeorge, W.T. Interpretation of Water Analyses. University of Arizona, Extension Circular 107. 1940.

TABLE 1. Relative Hardness of Waters

Hardness g.p.g.	Relative hardness
0.0 - 4.5	Soft
4.5 - 9.0	Fairly hard
9.0 +	Hard

Fluorine: The fluorine count of potable waters is very important. Amounts up to 0.8 p.p.m. seem to harden the teeth and make them more resistant to decay. On the other hand, if children drink water containing more than 0.8 p.p.m. during the time of formation of their permanent teeth, mottled enamel will result. The severity of mottling is dependent upon the amount present as shown in Table 2:

TABLE 2. Severity of Mottled Enamel Produced by Varying Amounts of Fluorine in Drinking Water¹

Amount of fluorine p.p.m.	Severity of mottling
0.0 - 0.8	None
0.9 - 1.3	Mild
1.4 - 2.0	Moderate
2.1 - 3.0	Moderately severe
3.1 or over	Severe

Nitrates: In humid regions the presence of nitrates in water is indicative of pollution, but in arid regions their source may be nitrate mineral or from symbiotic or nonsymbiotic nitrogen fixation. It has been suggested that an excess of nitrates in water causes an incidence of "blue babies." This relationship has not been proved in Arizona where, in some instances, well waters are used which contain in excess of 300 p.p.m. of nitrates.

¹ I. Smith, H.V. and Smith, M.C. Prevent Mottled Teeth.
University of Arizona, Extension Folder W-43. 1945.

IRRIGATION WATERS

A good irrigation water, from the standpoint of salt content, is one which is low in salts. It is difficult to classify waters on the basis of salt content alone because the combinations of salt which occur are fully as important as the total amount present. Other factors, such as the kind of plant grown and the texture of the soil, must be considered when evaluating the quality of irrigation water. The United States Regional Salinity Laboratory, Riverside, California¹ has set up the following criteria for quality based on salt content.

TABLE 3. Quality of Irrigation Water

Salt content p.p.m.	Quality
0 - 600	Excellent to good
600 - 2000	Good to injurious
over 2000	Injurious to unsatisfactory

Calcium, magnesium and sodium: Hard waters are preferred over soft ones for irrigation. To be classed as suitable, waters should contain more calcium and magnesium than sodium. Such waters have a favorable effect upon the structure of the soil. If sodium predominates over calcium and magnesium, the water will have an adverse physical effect upon the soil. Structure, aeration, and water penetration will be poor and crop growth will be restricted.

Table 4 relates the ratio of calcium and magnesium in water to the total bases present as a measure of their quality or suitability for use for irrigation.

1. Richards, L.A. The Diagnosis and Improvement of Saline and Alkali Soils. U.S. Regional Salinity Laboratory. 1947.

TABLE 4. Quality of Irrigation Water Based on the Ratio of Calcium and Magnesium to Total Bases

% Ca + Mg	% Na	Quality
More than 50%	Less than 50%	Satisfactory
35 - 50%	50 - 65%	Doubtful
Less than 35%	More than 65%	Poor

With these values as a guide and knowing the texture of the soil as well as the crop to be grown, a fair appraisal of the quality of water may be made.

Another method of calculating the quality of water from the standpoint of sodium and calcium content is to calculate the sodium:calcium ratio. In this bulletin the ratio is obtained by dividing the amount of sodium in parts per million by the parts per million of calcium present. A ratio greater than 1.0 indicates a preponderance of sodium and therefore an undesirable water. If the soil is well supplied with calcium which slowly becomes available, the sodium:calcium ratio might conceivably be greater than 1.0 without injury to the soil.

Chlorides and sulfates: An unfavorable salt effect upon the plant is noted when water containing excessive amounts of chlorides and sulfates is used for irrigation. Sulfates are only about half as toxic as chlorides¹ on the basis of equivalent concentrations expressed in p.p.m., but equally toxic in equal osmotic concentrations. Table 5 gives the range in concentration for these two ions permissible in each of the three grades of irrigation water.

1. See reference #1 p. 2 and reference #1 p. 4.

TABLE 5. Classification of Waters with Respect to Chloride and Sulfate Content

Concentration p.p.m.	Quality
0-175 chlorides; 0- 350 sulfates	Good
179-290 " ; 350-600 "	Fair
over 290 " ; over 600 "	Poor

Bicarbonates and carbonates: Bicarbonates are less toxic than chlorides or sulfates. The chief difficulty of using bicarbonate waters for irrigation lies in the fact that if carbon dioxide and water are lost, there is a conversion to the toxic normal carbonate. The presence of carbonates is an indication of the so-called "black alkali" in the water.

Nitrates: Many Arizona waters carry relatively high concentrations of nitrates. When these waters are used for irrigation it is likely that the nitrogen which they contain is utilized by crops. If a water contains 10 p.p.m. of nitrogen in the form of nitrate, each acre-foot of water applied will add the equivalent of 128 pounds of ammonium sulfate to each acre of soil.

Boron: It has been shown that boron is an essential plant food element. However, if the concentration becomes too great, toxicity occurs. The amount of boron permitted in irrigation water depends upon the tolerance of the crop to which it is supplied. Citrus shows toxicity symptoms when irrigated with water containing 0.5 p.p.m. of boron, but alfalfa does not show these symptoms until a concentration of about 3.0 p.p.m. of boron is reached.

There are very few waters in Arizona which contain excessive concentrations of boron.¹

1. Smith, H.V. Boron as a Factor in Arizona's Agriculture. University of Arizona, Agric. Exp. Sta. Tech. Bull. 118. 1949.

DRAINAGE AREAS

Arizona has primarily two drainage areas. The first and smallest drains the lower Sulfur Spring Valley through the Whitewater draw to the Yaqui river of Mexico. The upper Sulfur Spring Valley drains into the Willcox playa, a large alkali basin without outlet, near the town of Willcox. The rest of the state is drained by the Colorado river and its tributaries.

THE SULFUR SPRING VALLEY

The Sulfur Spring Valley extends northwest from Douglas, which is on the international boundary between Arizona and Mexico, to a point several miles north of Willcox, a distance of approximately 75 miles. The Valley, which averages about 20 miles in width, is bordered on both east and west by mountains which contribute water to the underground supply. Most of the irrigation is done on lands where groundwater can be found within 100 feet of the surface. Since 1940 when Rural Electrification power became available, there has been a great increase in the amount of underground water pumped in the Valley. Some of the wells in the Willcox basin are artesian. Most of the wells, except those close to the playa, are satisfactory for irrigation purposes, since as a rule they contain less than 1000 p.p.m. of salts, are relatively hard, and have a Na:Ca ratio of less than 1.0. When considered from the domestic point of view, some of the waters are hard while others contain excessive amounts of fluorine.

The waters in the Whitewater drainage area are similar in character to those in the Willcox basin. Most are satisfactorily low in salts, some have excessive amounts of fluorine, and others have excessively high Na:Ca ratios. Fluorine concentrations seem to occur close to the Whitewater draw rather than in the valley fill at a distance from the draw.

COLORADO RIVER DRAINAGE

Gila Valley: This valley is naturally divided into three parts. The upper Gila extends from the headwaters to the San Carlos Dam site. The middle Gila extends from the San Carlos Dam to the Gillespie Dam; and the lower Gila from Gillespie Dam to the Colorado river. Since most of the side streams entering the Gila river now have dams constructed in them, there is less water in the main stream than formerly and fewer floods. Debris in the channel in the upper Gila diverted water, which caused disastrous floods at Duncan in 1941. Water seldom flows in the main channel of the lower Gila, but in 1940 heavy rains in the upper watershed caused floods to spread widely over the bottom lands. The channel in some places is poorly defined, and in others choked with a heavy growth of salt cedar. Both factors contribute to the spreading of the water.

Agricultural centers in the upper Gila Valley include, among others, Franklin, Duncan, Solomonville, Safford, Thatcher, Central, Pima, Glenbar, Ashurst, and Ft. Thomas. Some of the water used for irrigation is diverted from the Gila river while some is pumped from wells or flows by artesian pressure. River water is of variable quality, depending upon its source and the season of the year. Most well waters are excessively high in salts and have a high Na:Ca ratio, so their quality is generally regarded as poor for either domestic or irrigation purposes. In addition, the majority of the waters contain excessive concentrations of fluorine. The city of Safford and adjoining communities have a very satisfactory water supply, obtained by developing springs in Bonita Canyon and installing an infiltration gallery to collect the water.

Some of the communities in the middle Gila area are Hayden, Winkleman, Kelvin, Florence, Coolidge, Sacaton, Komatke,

Laveen, Liberty, Buckeye, Palo Verde, Hassayampa, and Arlington. There is some blending of waters with a consequent change in quality where streams such as the San Pedro, Salt or Hassayampa rivers and the Gila river converge. In general the salt content of the underground waters is lower in the middle Gila Valley than in the upper Gila Valley. As a rule, the upper Gila waters are hard, have an unfavorable Na:Ca ratio, and contain toxic concentrations of fluorine.

Gila Bend, Roll, Wellton, and the north and south Gila districts are the more populated areas in the lower Gila area. The waters in this area as a general rule are high in soluble salts; they are very hard, have a high Na:Ca ratio and an excessive amount of fluorine. The salts in the well water used for irrigation in the Roll district are so high that only the most tolerant crops can be grown. A large increase in acreage farmed in this area is expected when Colorado river waters replace the present pump supply.

Tributaries of the Gila: The Blue and San Francisco rivers drain the mountainous country near Clifton. Because of the nature of the country drained by these streams, the salt content of the waters is low. Eagle Creek joins the Gila river from the north a few miles below Clifton.

The San Simon Valley is drained by the San Simon creek. The creek has its origin near Portal at the northeast side of the Chiricahua Mountains and flows into the Gila near Solomonville. San Simon and Bowie are the two largest settlements in the area. The waters in the vicinity of Bowie are soft, have a low soluble salt content and a low fluorine content. In the vicinity of San Simon the waters are uniformly low in salt, have a high sodium:calcium ratio and a high fluorine content.

The San Carlos river flows into the San Carlos reservoir and for a distance forms the northern arm of the San Carlos reservoir. No water samples have been collected from this area.

The San Pedro river is an important tributary to the Gila river. It rises in Cochise county and flows northward through Lewis Springs, Fairbanks, Benson, St. David, Cascabel, Mammoth, Feldman, and Winkleman. No permanent diversions for water have been built so the irrigated agriculture is not on a sound basis, since the temporary diversions wash out in each period of high water.

The waters in this valley are especially low in soluble salts; they are soft, but usually contain excessive amounts of fluorine. It was at St. David where the relationship between fluorine and mottled enamel¹ was discovered. It is interesting to note that the waters at Benson and St. David are both artesian in nature, yet the Benson water is relatively free from fluorine while the St. David waters are so high in fluorine as to cause severe mottled enamel. The St. David school has the distinction of being the first school in the United States to install a bone filter² for the removal of fluorine from their drinking water. The Ajo school has the first filter capable of being regenerated in place. An investigation at Pomerene has shown shallow wells to be relatively free from fluorine while the deep wells contain high concentrations.

The Aravaipa is a tributary of the San Pedro and drains the territory in western Graham county. The waters here are

1. Smith, M.C., Lantz, E.M. and Smith, H.V. The Cause of Mottled Enamel. University of Arizona, Agr. Exp. Sta. Bul. 32. 1931.
2. Smith, H.V. and Davey, W.B. The Bone Filter for Removing Fluorine from Drinking Water. University of Arizona, Agr. Exp. Sta. Bul. 81. 1939.

extremely low in salts, are low in fluorine, and have a satisfactory Na:Ca ratio.

Salt River and its tributaries: From the standpoint of population density this area is the most important in the state. Large urban, suburban, and rural populations are supported here. The Salt river is the result of the union of the White and Black rivers, both of which rise in the White Mountains. Roosevelt Dam, which was built on the stream just below the point where Tonto Creek joins it, impounds water for the highly successful Salt River Valley Project. The quality of water in the Salt river is good, as is that of the Verde which joins the Salt above Granite Reef Dam. The amount of gravity water available from the Salt river is not sufficient to meet the requirements of the project, so this supply is supplemented with groundwater pumped from various wells throughout the valley. The quality of the pumped water is not as good as the gravity water, but by skillful blending of the two, water of good quality is supplied to all parts of the project. These irrigation wells serve also as drainage wells. In the lower parts of the valley, these wells have lowered excessively high water tables as well as reduced the salinity of the soil.

Phoenix, the state capital, is the largest city in the area. It secures water by means of an infiltration gallery in the Verde river, three wells at Scottsdale, and four wells in the Phoenix city limits. Some of the suburban area near Phoenix is also provided with this supply, although most generally small, privately-owned water utilities serve the outlying districts.

The Verde river supply is quite satisfactory for domestic uses since it is low in soluble salts and fluorides. Its chief drawback is its hardness. Other towns and cities in the Salt River Valley have their own local water supplies. By tapping

the lower water strata,¹ most of these towns have avoided the upper strata which is often dangerously high in fluorine. The underground water in the New and Agua Fria river drainages, as judged from analyses of water at Peoria and Marinette, is of good quality for domestic and irrigation purposes. It is low in total salts and fluorine. It is classed as hard, so would be less desirable than a softer water for domestic purposes. Some of the waters have an unfavorable Na:Ca ratio when considered from the standpoint of use for irrigation.

The Upper Verde drainage area in the vicinity of Chino Valley produces waters which are low in total salts and low in fluorine. They have a favorable Na:Ca ratio and are somewhat softer than the water at Cottonwood or at Phoenix.

Hassayampa: The quality of the water in the Hassayampa drainage as judged from waters in the vicinity of Hassayampa and Wickenburg is generally good. The salt content is satisfactory for either domestic purposes or irrigation. Most of the waters are classed as hard, although many of them have an unfavorable Na:Ca ratio. A few of the waters are high in fluorine.

The Santa Cruz river drains parts of Santa Cruz county, Pima county, and Maricopa county. The channel between Casa Grande and Komatke, near which it enters the Gila river, is indistinct. For the most part, water which enters the river south of Tucson never reaches the Gila, but spreads over the desert in the vicinity of Eloy and Casa Grande.

Its most important tributaries are Rillito Creek, Canon del Oro, and Brawley Wash. The city of Nogales takes its water from the Santa Cruz river by means of an infiltration gallery, while the city of Tucson taps its underground flow by means of a

1. Smith, H.V., Smith, M.C. and Foster, E.O. Mottled Enamel in the Salt River Valley and the Fluorine Content of the Water Supplies. University of Arizona, Agr. Exp. Sta. Tech. Bul. #61. 1936.

series of relatively shallow wells located close to the river. Part of the Tucson supply is pumped from deep wells in the eastern part of the city and is distinctly different in quality from the Santa Cruz underflow.

Water of widely varying quality occurs in the Santa Cruz drainage. For example, south-side city water at Tucson probably averages over 600 p.p.m. of total salts, whereas most of the north-side city wells contain less than 400 p.p.m. of total salts. The south-side waters contain about 0.9 p.p.m. of fluorine and cause very mild mottled enamel, while the north-side or Rincon water contains only 0.3 p.p.m. of fluorine. One well south of Tucson (Lab. No. 49619) produces water which does not follow the usual pattern with respect to salt content as do most others in the Santa Cruz drainage. It has a total salt content of 3609 p.p.m. and a hardness of 60.6 grains per gallon. Moderate amounts of fluorine are found in the vicinity of San Xavier, while heavier concentrations are found at Tanque Verde and Wrightstown.

Most of the waters in the Santa Cruz basin are excellent for irrigation because of their generally low salt content and favorable Na:Ca ratio. Some of the waters have an unfavorable Na:Ca ratio, and a few should be used with caution because of their high salt content.

The Little Colorado river: The Little Colorado river rises in the White Mountains and flows northeastward through Springerville, St. Johns, Woodruff, Holbrook, Winslow, and Leupp to Cameron. It empties into the Colorado river about 30 miles northwest of Cameron. The main tributaries are the Carrizo Creek, Zuni river, Puerco river, Silver Creek, Leroux Wash, Cottonwood Wash, Chevelon Creek, Clear Creek, Canyon Diabolo, Palacco Wash, San Francisco Wash, Dinnebito Wash, and

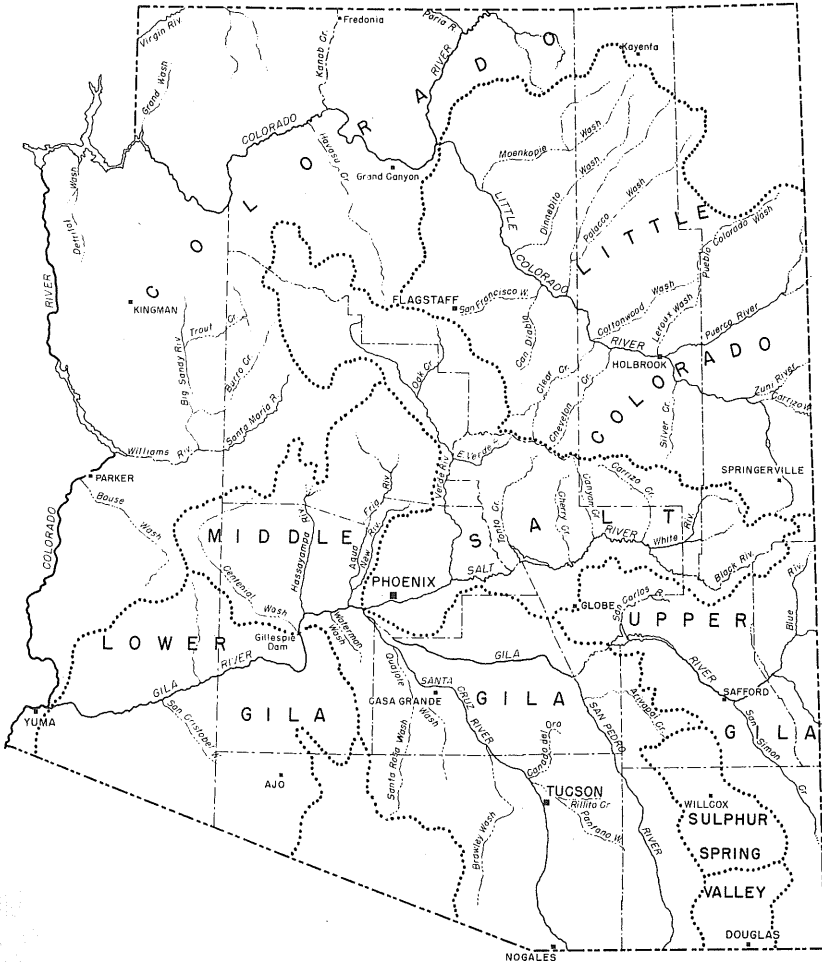
Moenkopie Wash.

Silver Creek and the upper reaches of the Little Colorado river drain wooded mountains and therefore are low in salts. After union with the Zuni river, the higher salt content of the Zuni is reflected in the Little Colorado. Since the Zuni river drains certain shale badlands, in flood it carries a large amount of clay in suspension.

The Colorado river: The Colorado river enters Arizona from about 75 miles east of Fredonia and flows generally in a south-westerly direction through the Grand Canyon to the Nevada state line. It forms the boundary between Arizona and Nevada and between Arizona and California. Hoover Dam at Boulder City forms Lake Mead, which is an important source of irrigation water and power. Davis Dam forms Havasu Lake which stores water for the Metropolitan Water District of California. Imperial Dam, north of Yuma, diverts irrigation water into the All American Canal for use in both Arizona and California.

Yuma is the only city in Arizona which uses Colorado river water for domestic purposes.

For more specific information concerning the ground water resources, logs of wells, and geology of the more important basins in Arizona the reader is referred to a series of mimeographed reports published by the U.S. Geological Survey, Sam F. Turner, district engineer in charge of ground-water investigations in Arizona.



PRINCIPLE DRAINAGE AREAS OF ARIZONA

TABLE 6
GENERAL ANALYSES OF ARIZONA WATERS*

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.)		Total soluble salts	Calcium	Magnesium	Sodium	Chlorides	Sulfates	Carbonates	Bicarbonates	Fluorine	Hardness	Na/Ca	
						of well	to water												
Agua Caliente	L9720	7/47	Sec.12, T.5S, R.9W	F.W. Jordan	Well	500	300	1724	68	4	553	658	377	0	56	5.8	16.9	8.1	
"	L9863	6/47	"	"	Spring	610	-	1298	53	5	413	500	309	7	12	3.6	6.5	7.8	
"	L9827	6/47	Sec.20, T.5S, R.10W	B. Modesti	Spring	-	-	704	16	0	229	202	14.0	10	101	4.5	2.6	12.7	
"	L9848	"	Sec.16, T.5S, R.10W	Birch Ranch	Well	140	56	701	6	-	240	191	131	16	112	4.6	4.0	4.0	
"	L8661	"	"	G.T. Sevey	"	-	-	1497	99	8	427	666	220	0	155	3.8	16.4	4.3	
Agua Fria	51033	3/49	Sec.20, T.13S, R.16E	Agua Caliente Ranch	Spring	-	-	1975	52	4	168	36	150	0	215	2.8	6.6	2	
"	B1019	-	"	Agua Fria School	Well	-	-	824	38	34	194	298	70	2	168	0.5	13.5	5.1	
"	L9800	6/47	Sec.12, T.3N, R.1W	A.T. & S.F. RR	"	400	-	324	60	2	26	25	28	0	185	0.19	9.2	0.4	
"	B3933	10/45	"	El Mirage	"	-	-	369	53	8	40	28	50	0	190	0.2	9.4	0.7	
"	B1159	12/45	"	Flora Statler	"	-	-	297	58	15	21	20	20	2	161	0.2	9	0.55	
"	B928	"	"	Farm Labor Camp	"	-	-	298	15	19	45	28	20	5	168	0.4	6.7	2.8	
Agua Prieta	L9460	5/46	"	Agua Prieta	"	-	-	665	15	5	198	124	116	0	208	2.5	2.6	15.2	
"	B929	"	Townsite	A.T. & S.F. RR	"	450	357	306	9	8	71	28	30	2	161	2.6	2.9	6.8	
"	L9844	6/47	Sec.22, T.7N, R.9W	Fair Haven Court	Well	380	334	339	20	10	66	40	40	0	161	1.7	5.3	3.3	
Ajo	E2258	10/44	"	Goodyear Corp.	" #4	-	-	625	0	8	200	160	110	5	112	5.2	1.8	-	
"	B9250	12/48	Townsite	Public Serv.	Well	650	-	641	15	4	194	162	120	0	146	4.5	3.1	12.9	
"	L9838	6/47	Sec.23, T.12S, R.6W	Carney Serv. Sta.	"	-	-	606	23	11	164	160	102	0	112	4.2	6	7.1	
"	L9565	11/46	Sec.17, T.17S, R.5W	Pipe Organ Mont't.	"	348	306	466	34	3	106	98	11	0	212	1.8	3.1	3.1	
"	B3795	7/45	6500 Grand ave.	Paul Alley	"	-	-	532	53	30	78	196	60	0	115	0.2	11.9	1.4	
Alhambra	L9631	6/47	Sec.27, T.20S, R.2E	School	"	-	-	945	133	76	68	363	116	0	189	0.1	37.7	0.5	
"	B2823	8/47	Sec.34, T.2N, R.2E	Lockwood	"	135	-	1700	90	53	399	490	280	0	378	0.7	25.8	4.4	
"	B6819	12/46	Sec.21, T.2N, R.2E	E.F. Jack	"	405	-	1060	158	56	87	276	120	0	298	-	36.6	0.6	
Alpine	51618	6/48	1 mi. N of Blue, Ariz.	Geo. L. Haynes	"	8 1/2	3	285	38	4	32	16	T	0	195	0.3	6.5	1	
"	51864	"	"	Gus Wogoman	"	56	30	64	30	0	0	12	T	0	22	0.1	44.4	-	
Alter Valley	L7264	6/45	Sec.14, T.16S, R.9E	F.W. Davidson	"	300	260	309	17	2	69	30	10	0	181	0.45	3	-	
"	L3045	6/47	Sec.36, T.19S, R.12E	Kinsley Ranch	"	503	68	621	112	10	14	43	119	0	293	0.4	25.1	0.1	
"	52052	7/48	Sec.12, T.20S, R.12E	Amado School	"	85	50	667	4	4	7	36	119	0	305	-	4.1	4.1	
"	52053	"	Sec.32, T.19S, R.13E	Antonio Amado	"	100	32	674	113	8	74	82	119	0	278	-	18	0.6	
"	52046	"	Sec. 7, T.18S, R.11E	Pablo Amado	"	-	-	80	146	20	8	21	26	70	0	29	0.5	20	0.2
"	52051	"	Sec. 1, T.20S, R.12E	F.W. D'Albini	"	-	-	498	113	4	16	30	62	0	273	-	17	0.1	
"	52054	"	Sec.19, T.20S, R.13E	Old Revention Place	"	-	-	598	120	8	30	28	117	0	295	-	20	0.3	
Apache Jct.	L9811	6/47	Sec.20, T.1N, R.8E	Apache Jct. Inn	"	490	-	654	138	39	4	176	140	0	137	0.2	29.5	0.03	
"	L160	5/48	Sec.33, T.1N, R.8E	King's Ranch	"	106	-	381	75	5	-	-	-	-	-	0.2	18.2	-	
"	B9402	11/47	"	J.M. King	"	-	-	232	5	4	77	36	20	38	162	0.2	11.9	-	
Araby	L9850	6/47	Sec. 8, T.11N, R.15W	F.R. Reed	"	-	-	1140	100	5	282	279	421	0	19	3.8	15.8	2.8	
Aravaca	L9131	1/47	Sec. 8, T.22S, R.10E	H.T. Edwards	"	22	8	121	10	1	24	13	5	0	68	0.2	1.7	2.4	
Arcadua	C586	10/48	"	Arcadua Water Co.	" #3	-	-	1579	188	11.5	120	454	530	0	144	0.6	65.2	0.64	
"	L8689	4/46	"	"	" #3	-	-	1184	113	85	147	282	238	0	212	0.7	37.7	1.2	
"	C587	10/48	"	"	" #6	-	-	799	90	64	70	212	180	0	133	0.5	29.1	0.78	
"	L8682	"	"	"	" #6	-	-	715	90	64	56	173	60	0	124	0.4	28.5	0.6	
"	C588	4/46	"	"	" #7	-	-	982	99	55	11.3	220	206	0	235	0.8	27	1.4	
"	L8694	"	"	"	" #7	-	-	991	68	68	159	286	220	0	190	0.8	25.7	2.34	
"	C589	"	"	"	" #8	-	-	1238	68	53	259	326	280	0	312	1	21.2	3.8	
"	L8697	"	"	"	" #8	-	-	1468	95	75	279	325	268	0	400	1.1	31.9	2.9	
"	C590	10/48	"	"	" #9	-	-	1239	85	86	202	378	280	0	210	1	32.4	2.4	
"	L8700	4/46	"	"	" #9	-	-	1118	129	85	53	74	172	160	0	304	1	38.1	1.8
"	C591	"	"	"	" #10	-	-	752	85	16	18	18	18	0	216	0.6	24.4	0.9	
Aripine	L7592	9/45	Sec.24, T.12N, R.18E	Mrs. LeVon Turley	Well	25	-	230	44	4	-	-	-	0	136	0.3	7	0.39	
Arivaca	L3318	"	Sec.28, T.21S, R.10E	J.R. Dietrich	"	-	-	2652	375	131	250	220	1500	0	176	0.7	67.6	0.7	
Arizola	L6230	8/44	Sec.34, T.6S, R.6E	Fred E. Cack	"	-	-	308	21	0	73	30	54	5	124	1.05	3	3.48	
"	A5395	9/40	Sec.22, T.1S, R.5W	Arlington School	"	-	-	506	8	4	159	74	210	17	34	10	2	19.8	
Arlington	B950	11/43	"	"	"	-	-	1327	90	53	280	420	250	0	24	0.6	25.7	3.1	
"	B1529	-	"	"	"	-	-	1301	135	41	242	436	210	0	237	0.8	29.6	1.7	

Arlington	B6785	12/46	Sec. 22, T.1S, R.5W	Arlington School	Well	260	-	1200	135	31	219	428	200	0	244	0.8	27.8	18.4
"	B949	11/43	"	Arlington Store	"	-	-	481	8	11	127	88	45	2	200	1.2	3.8	15.8
"	B7575	5/47	Sec. 5, T.2S, R.5W	L. Anderson	"	260	-	1716	83	26	472	532	410	0	193	4.0	18.3	5.7
"	B7630	5/47	"	Joe O'Connell	"	260	-	1328	23	4	435	390	270	14	173	5.2	4.2	13.9
"	B8665	11/47	Sec. 4, T. 1S, R. 5W	JMok Gabriel	"	110	-	1207	15	11	362	240	250	0	289	5.2	4.9	24.2
"	C268	6/48	Sec. 17, T. 2S, R. 5W	Bill Jagow	"	103	-	1228	15	4	-	-	-	-	-	7.0	3.2	-
"	B9773	2/48	Sec. 26, T. 1S, R. 6W	C.F. Yonker	"	1135	-	1267	45	23	363	410	280	0	146	-	12	8.1
"	C973	3/49	Sec. 13, T. 1S, R. 6W	"	"	1200	-	912	8	4	311	232	270	5	112	-	2	39
"	C659	10/48	Sec. 3, T. 1N, R. 6W	"	"	1200	-	955	15	8	285	220	120	0	300	0	4	19
Artesia	L7773	10/45	Sec. 8, T. 8S, R. 2SE	Hatty Putman	"	940	-	1572	0	0	591	522	382	17	49	11.0	0	-
Ashfork	S1676	5/46	Sec. 15, T. 17N, R. 2W	A.T. & S.F. RR	"	500 artesian	-	351	45	4	24	16	50	0	171	0.55	7.5	0.54
Ashurst	L4923	10/48	Sec. 31, T. 5S, R. 2SE	Logan Brinball	"	47	23	1722	316	94	1212	1860	681	0	557	1.7	68.7	3.8
"	S0139	7/47	Sec. 24, T. 5S, R. 2SE	V.H. Hastings	"	75	42	6237	645	53	1575	3200	300	0	423	0.8	104	2.5
Aultman	S4770	3/49	Sec. 15, T. 11N, R. 4E	--	Dug well	-	-	464	128	4	0	0	0	0	288	0.05	20.0	-
Avondale	B1320	2/44	Sec. 16, T. 1N, R. 1W	Avondale	Well	-	-	328	30	11	46	30	0	0	183	0.5	7.0	1.5
"	"	11/45	"	Avondale School	"	-	-	315	15	23	48	23	0	0	175	0.1	13.3	0.43
"	B1122	2/44	Sec. 15, T. 1W, R. 1W	Destry	"	-	-	678	135	45	7	196	90	0	215	0.1	30.5	0.05
"	E2788	3/45	--	Wyman	"	170	-	417	53	23	39	86	40	0	176	0.1	13.1	0.7
"	B7811	6/47	Sec. 23, T. 1N, R. 2W	Ed Ambrose	"	80	-	4052	540	173	546	1012	1560	0	185	-	120.2	1.0
"	C263	6/48	Townsite	Avondale School	"	350	-	413	90	23	-	-	-	-	-	0.2	18.5	-
"	B9176	12/47	Sec. 13, T. 1N, R. 2W	Allan Belluzzi	"	915	-	3567	285	30	873	762	1180	0	137	-	48.9	3.0
"	C50	4/48	Sec. 14, T. 1N, R. 1W	L.D. Burt	"	501	-	2055	240	71	302	500	380	0	542	-	62.3	1.2
"	C952	3/49	Sec. 22, T. 1N, R. 2W	Ge. Benedikt	"	150	-	350	473	86	-	-	-	-	-	-	50	-
"	C1011	4/49	Sec. 14, T. 1N, R. 2W	R.L. Freeman	"	180	-	1757	158	56	348	504	450	0	207	-	36.5	2.2
"	C289	6/48	Sec. 17, T. 13, R. 1W	E.L. Jarnigan	"	270	-	3079	300	124	524	672	1120	0	327	-	73.5	1.7
"	C291	6/48	"	"	"	398	-	762	30	4	213	110	300	0	102	-	5.3	7.1
Astec	B5542	7/46	Sec. 13, T. 7S, R. 12W	Astec Serv. Sta.	"	150	-	1541	60	11	473	526	410	0	61	6.5	11.4	7.8
"	B5543	7/46	"	Astec S.P. RR	"	650	-	845	15	4	279	274	210	0	63	8.0	3.1	18.6
"	S2230	7/48	"	"	"	710	68	855	45	0	205	260	268	0	73	8.0	6.6	4.6
Bagdad	51345	5/48	Sec. 4, T. 14N, R. 1W	Bagdad Copper Corp.	Infiltration from Burrow Creek	-	-	330	60	11	9	30	T	0	220	00.6	10.7	0.15
"	51644	5/48	12 mi. E. of Bagdad	Tom Fouly	Well	15	11	573	97	11	44	70	T	0	351	0.65	17.2	0.45
Bapohule	B3332	6/45	Sec. 29, T. 3S, R. 5E	St. Peter's Mission	"	-	-	1711	203	44	305	522	330	0	310	1.6	39.3	1.5
Barkersville	18891	-	--	Mrs. J.M. Barker	"	-	-	440	82	19	5	30	T	2	302	-	16.8	0.1
Beardsley	B5330	4/46	T. 1N, R. 1W	Mary Campbell	Well	-	-	425	30	11	79	50	60	0	195	0.6	7.0	2.6
"	C1059	4/49	Sec. 19, T. 3W, R. 1W	Wayne Thornburg	"	592	-	444	53	11	52	62	50	0	144	0.4	10.0	1.0
"	C1060	4/49	Sec. 25, T. 3W, R. 2W	"	"	588	-	292	15	4	65	32	20	0	449	0.3	3.1	4.3
Benson	L4829	-	Sec. 10, T. 17S, R. 20E	Benson	"#1	-	-	349	39	2	2	8	8	0	220	0.2	6.1	1.4
"	53268	10/48	Sec. 10, T. 17S, R. 19E	P.M. Bidegain	Well	130	110	366	83	8	2	16	T	0	256	0.2	14	-
"	L6262	9/44	Sec. 10, T. 17S, R. 20E	City Water Supply	"	-	-	350	46	9	36	16	T	6	236	0.3	8.9	0.78
"	L7777	10/45	Sec. 10, T. 17S, R. 20E	"	"	-	-	361	30	8	57	10	15	2	239	0.2	6.3	1.9
"	L8844	9/46	"	"	"	-	-	360	38	4	54	11	15	0	238	0.4	6.5	1.4
"	S4716	3/49	Sec. 9, T. 17S, R. 20E	"	"	1080 artesian	-	401	53	0	62	54	T	10	220	0.6	8	1.2
"	L7244	6/45	"	M.R. Choate	"	-	-	265	45	7	15	16	10	0	168	0.2	8.3	0.3
"	S323	4/48	Sec. 7, T. 16S, R. 17S	El Paso Hotel. Gas	"	-	-	324	68	4	92	20	T	0	210	0.5	9.9	1.3
"	S3719	2/49	Sec. 17, T. 17S, R. 20E	Alvah Penn	"	700	-	600	33	8	120	80	114	7	215	1.6	6.9	7.7
"	S5349	11/48	Sec. 9, T. 17S, R. 20E	W.J. Getzweiler	"	1080 artesian	-	307	53	4	23	6	T	10	210	0.2	9.4	0.4
"	L9823	4/46	Sec. 10, T. 17S, R. 20E	Mrs. G.J. Scott	surface	-	-	373	32	2	73	11	7	22	221	4.5	5.2	2.3
"	S1106	3/48	Sec. 34, T. 17S, R. 20E	R.E. Walker	650 artesian	-	-	508	75	4	64	20	150	0	195	2.8	12	1.1
"	S2257	7/48	--	Benson	"	-	-	397	38	11	76	52	T	0	281	1.5	8.45	2.0
"	S2188	7/48	Sec. 10, T. 17S, R. 20E	S.P. RR	"	-	-	748 flowing	367	30	4	64	T	0	242	1.6	45	2.1
"	S2191	7/48	"	"	"	500	117	605	38	15	150	234	T	0	135	0.2	3.9	3.9
Big Sandy	S1661	2/48	Sec. 28, T. 20N, R. 12E	Chester Cafar	"	185	85	917	157	11	90	70	150	43	395	1.0	9.7	0.57
"	S1665	5/48	Sec. 28, T. 21N, R. 15W	Gets Ranch	"	14	3	883	82	11	161	204	20	0	403	2.0	23	2.0
"	S1654	5/48	3 mi. N of Wickioup	Art Mossecar	"	shallow	-	916	82	8	179	100	175	0	371	1.3	14	2.2

*Analyses in parts per million, and hardness in grains per gallon

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.)		Total soluble salts	Cal-cium	Mag-nesium	Sodium	Chlo-rides	Sul-phates	Carbon-ates	Bicar-bonates	Fluorine	Hard-ness	Na/Ca	
						of well	to water												
Big Sandy	51658	5/48	42 mi. SE of Kingman	Trout Crk. Store	Well	165	130	257	37	8	22	24	25	0	134	1.5	7.8	0.75	
	51659	5/48	Sec. 21, T. 15N, R. 15W	Kent Smith	"	-	-	344	60	7	23	44	25	0	183	1.8	10.5	0.4	
	51660	5/48	"	"	"	-	-	810	60	11	32	30	60	0	58	0.8	11.5	1.5	
	51656	5/48	10 mi. N of Wickenburg	Dick Stephens	"	120	-	990	90	11	177	80	143	0	488	1.5	16.5	2.0	
	51655	5/48	"	Ray Stephens	"	100	-	890	37	8	177	104	180	0	146	1.8	7.4	4.8	
Bisbee	51657	5/48	Sec. 23, T. 17N, R. 15W	C. J. Stookbridge	"	24	10	670	90	8	74	48	65	0	334	1.3	15	0.8	
	51668	5/48	Sec. 26, T. 21N, R. 15W	Henry King Mine	"	60	8	862	172	22	28	66	175	0	398	1.5	30	1.6	
	49764	6/47	Sec. 15, T. 23S, R. 24E	Mile High Camp	"	-	-	341	64	3	22	20	T	0	232	0.1	10.0	0.3	
	49766	9/44	Sec. 13, T. 24S, R. 23E	City Water Supply	"	-	-	305	64	1	15	T	1	1	214	0.1	11.5	0.02	
	49766	6/47	Sec. 15, T. 24S, R. 23E	" (Nace)	"	200	-	328	64	4	16	T	1	1	224	0.1	10.3	0.2	
Black Water	48774	7/46	Sec. 35, T. 22S, R. 22E	Tripp Ranch	"	30	15	244	30	10	26	20	55	0	102	0.9	6.8	0.9	
	53276	10/48	Sec. 13, T. 21S, R. 23E	Aric-Edison Co.	"	300	150	321	68	0	16	16	T	T	220	0.4	9.9	0.2	
	44065	11/42	Sec. 31, T. 4S, R. 7E	Pima Agency	"	-	-	882	92	24	164	281	100	0	220	0.7	19.2	1.4	
	B1024	11/43	Sec. 28, T. 6N, R. 4E	Black Mt. Store	"	-	-	1686	233	126	35	712	180	0	300	0.8	68.3	0.54	
	51618	6/48	1 mi. N of Blue, Ariz.	Geo. Haynes	"	8 1/2	3	285	38	4	32	16	T	0	195	0.3	6.5	1	
Boutta	50574	10/47	Sec. 3, T. 11S, R. 21E	Preston Larson	"	17	8	284	45	19	14	20	50	0	156	0.85	10.0	0.3	
	46882	3/45	Sec. 3, T. 10S, R. 22E	J. E. Woodriddle	"	-	-	259	22	14	27	16	T	0	180	0.95	6.6	1.2	
	54777	3/49	Sec. 2, T. 10S, R. 22E	DuBois Store	"	50	-	123	15	0	18	8	T	0	81	1.2	2.0	1.2	
	48373	5/46	Sec. 26, T. 7N, R. 17W	Edna M. Berkeley	"	-	-	1800	16	3	570	262	587	0	356	6.5	3	35.6	
	51697	5/48	Sec. 23, T. 7N, R. 17W	Curtis Bar & Cafe	"	-	-	923	60	11	225	196	210	0	220	1.2	10.6	3.8	
Bowle	46472	10/44	Sec. 5, T. 10N, R. 14W	Frank V. Hansen	"	30	18	659	58	10	183	82	80	0	305	1.4	10.9	2.12	
	46473	10/44	"	"	"	24	20	623	58	10	111	78	69	0	296	1.0	10.9	1.91	
	51295	4/48	Sec. 26, T. 7N, R. 17W	Chas. L. Haynes	"	37	27	811	75	8	175	184	175	0	193	1.6	13.0	2.3	
	46124	1/47	Townsite	Ray Montijo	"	40	35	1479	113	43	396	323	570	0	302	5.5	26.8	3.5	
	40887	1/48	Sec. 10, T. 15S, R. 28E	Jack Spices	"	400	-	1751	58	8	28	20	75	0	44	0.9	4.2	2	
Bridgeport Buckeye	47529	9/45	T. 13S, R. 28E	S. P. RR	"	-	-	440	5	0	129	59	96	12	109	0.2	0.7	25.8	
	53337	10/48	Townsite	W. H. Cawood	"	400	117	196	53	8	0	30	23	0	78	0.8	10.0	0	
	53336	10/48	Sec. 1, T. 23S, R. 28E	A. R. Spiker	"	855	15	242	53	8	5	24	58	0	93	0.8	10.0	0.1	
	53772	2/49	Townsite	Lone Star Cafe	"	-	-	329	60	0	40	66	51	0	112	0.2	9.0	0.7	
	49440	4/47	Sec. 12, T. 15N, R. 3E	Ray Mallus	"	30	18	420	32	24	51	16	18	22	57	0.2	10.4	1.6	
Buckeye	B1017	2/44	Townsite	City, Kell Well	"	-	-	946	38	38	265	428	120	0	105	1.1	14.5	7.0	
	B893	10/47	Sec. 7, T. 1S, R. 3W	Carl Regl	"	125	-	449	23	8	120	90	70	0	178	1.6	4.8	5.2	
	B6370	8/46	Sec. 5, T. 1S, R. 3W	City Well	"	124	-	2417	218	45	569	882	620	0	65	1.8	42.7	2.6	
	C706	11/48	Sec. 13, T. 1S, R. 3W	R. E. Farley	"	100	-	2636	218	36	692	1128	320	0	312	2.0	45.0	3.0	
	B8592	10/47	Sec. 14, T. 1N, R. 5W	H. F. Hollingshead	"	-	-	499	15	11	127	110	50	0	181	0.7	4.9	8.5	
	B1703	-	Townsite	Palo Verde Court	"	-	-	1962	263	53	334	672	540	0	100	0.6	50.8	1.3	
	C664	10/49	Sec. 24, T. 1S, R. 5W	Drew R. Devel. Co.	"	400	-	2980	225	79	708	1210	390	0	366	-	51.8	3.1	
	48338	4/46	Sec. 15, T. 1N, R. 2W	E. P. Perry	"	260	50	365	32	2	81	50	68	9	121	1.7	5.2	2.5	
	B1016	2/44	Sec. 32, T. 1N, R. 5W	Valencia Well	"	-	-	818	113	56	91	326	140	0	122	1.5	29.8	0.8	
	B8707	11/47	Sec. 6, T. 1S, R. 3W	C. F. Yonker	"	1400	-	274	15	6	51	22	10	0	161	-	4	3.4	
	16140	-	Head Arlington Canal	Buckeye Irrig. Dis.	"	-	-	214	246	44	460	784	392	0	258	-	184	2.4	
	16141	-	Head Buckeye Canal	"	"	-	-	3126	246	94	868	1218	364	0	336	-	69.3	3.5	
	16142	-	N bank Salt R. at Meridian	"	"	Spring	-	-	5526	300	150	1460	2396	0	480	-	81.4	4.8	
	"	16144	-	Gila R. above jct. with Salt R.	"	"	-	-	2837	141	60	726	1218	452	0	240	-	35.4	5.1
	"	16236	8/29	Opposite Dudleyville	"	Flood water	-	-	732	96	20	74	14	168	0	360	-	19.0	0.77
	"	16237	7/29	Head Buckeye Canal	"	"	-	-	2246	192	60	488	700	490	0	35	-	43.0	2.5
	"	16366	8/29	"	"	"	-	-	1920	135	22	497	524	400	0	302	-	3.7	3.7
	"	16367	8/29	Above jct. with Salt R.	"	Gila R.	-	-	1080	75	18	254	230	220	0	233	-	15	3.4
	"	16368	8/29	Above jct. with Gila R.	"	Salt R.	-	-	3200	240	105	695	1130	640	0	390	-	60	2.0
"	16483	10/29	Head Buckeye Canal	"	"	-	-	2550	202	64	572	790	600	0	322	-	44	2.8	
"	16484	10/29	Above jct. with Gila R.	"	"	-	-	3639	270	82	791	1136	750	0	410	-	59	2.9	
"	16485	10/29	Above jct. with Salt R.	"	Gila R.	-	-	1783	120	18	453	456	480	0	256	-	22	3.8	
"	16563	11/29	Head Buckeye Canal	"	"	-	-	3251	232	90	758	1108	675	0	388	-	77	3.3	

Buckeye	16564	11/29	Above Jct. with Gila R.	Buckeye Irrig. Dis.	Salt R.	254.5	172	67	617	906	500	0	283	-	41	3.6
"	16565	"	Above Jct. with Salt R.	"	Gila R.	3033	270	105	1474	1212	540	0	432	-	64	1.8
"	16642	12/29	Head Buckeye Canal	"	"	2325	210	82	100	1050	600	T	363	-	50.5	0.5
"	16643	"	Above Jct. with Salt R.	"	Gila R.	2582	172	67	629	900	540	T	283	-	39	3.5
"	16644	"	Above Jct. with Gila R.	"	Salt R.	3684	240	105	837	1156	900	T	446	-	40	4.3
"	16561	1/30	Head Buckeye Canal	"	"	3210	292	45	1032	1060	500	0	371	-	49	5.1
"	16562	"	Above Jct. with Salt R.	"	Gila R.	2540	172	37	665	900	500	12	254	-	35	3.8
"	16563	"	Above Jct. with Gila R.	"	Salt R.	3631	255	97	850	1180	810	0	439	-	61	3.3
"	16950	2/30	Head Buckeye Canal	"	"	2901	202	86	680	1060	500	0	373	-	50	3.4
"	16951	"	Above Jct. with Gila R.	"	Salt R.	3201	255	97	700	1080	600	0	439	-	55	2.8
"	16952	"	Above Jct. with Salt R.	"	Gila R.	2507	165	67	607	880	500	0	258	-	40	3.7
"	17745	-	1 3/4", 7 3/8"	"	Well #2	1062	52	56	213	310	170	0	261	-	39	4.1
"	17775	-	1 3/4", 9"	"	#4	1168	38	25	387	264	170	0	286	-	11	10
"	02916	6/48	Sec. 26, T.1N, R.2W	"	Well	3750	390	130	652	1152	1050	0	376	-	93	2.7
"	02915	"	Sec. 28, T.1N, R.2W	"	"	2812	235	89	687	908	449	0	449	-	40	4.7
"	0297	"	Sec. 8, T.1S, R.2W	"	"	111	25	1485	300	128	797	0	1644	-	74	4.6
"	0306	"	Sec. 26, T.1N, R.2W	"	"	220	22	3186	330	113	577	0	952	-	334	1.7
"	0512	8/48	Sec. 5, T.1S, R.4W	"	"	240	36	2834	465	19	468	0	858	-	890	0
"	0722	11/48	Sec. 3, T.1S, R.4W	"	"	210	33	2793	278	75	595	0	1082	-	600	0
"	0676	"	7/2W, 8 3/4N**	Roosevelt Irrig. Dis.	Well	394	38	8	74	54	30	0	190	-	7.5	1.9
"	0677	"	1 1/2", 7 3/8N	"	"	364	30	8	64	42	20	0	200	-	20	6.3
"	0678	"	2 7/8W, 5 1/2N	"	"	487	45	19	73	80	60	0	210	-	11.1	1.6
"	0684	"	4W, 4N	"	"	2346	235	101	408	460	820	0	334	-	54	2
"	0685	"	5 1/2W, 5N	"	"	1484	158	56	244	364	430	0	232	-	36	1.5
"	0686	"	5 5/8W, 4N	"	"	2520	300	120	352	626	900	0	222	-	73	1.2
"	0687	"	5 5/8W, 4 1/2N	"	"	1043	90	38	188	210	300	0	217	-	22	2.1
"	0690	"	6 1/2W, 3 1/2N	"	"	1460	135	38	290	366	380	0	251	-	29	2.1
"	0691	"	6 5/8W, 3N	"	"	2626	263	98	482	804	720	0	259	-	61	1.8
"	0692	"	7 1/2W, 3 1/2N	"	"	1444	128	38	195	310	310	0	163	-	28	1.5
"	0693	"	13 1/2W, 2N	"	"	5063	495	225	951	1910	1360	0	122	-	127	1.9
"	0694	"	16W, 1N	"	"	5265	375	180	1180	1628	1680	0	222	-	99	3.2
"	0700	"	16W, 1 1/2N	"	"	5592	390	195	1259	1790	1660	0	298	-	100	3.2
"	0701	"	16 1/2W, 1N	"	"	3665	330	128	749	1234	1000	0	224	-	83	2.3
"	0702	"	18W, 3/4N	"	"	4361	345	173	913	1450	1280	0	200	-	92	2.6
"	0703	"	22W, 3 1/2N	"	"	3125	450	113	447	1026	940	0	149	-	93	1.0
"	0738	"	6W, 4 3/8N	"	"	1310	105	60	252	402	360	2	129	-	30	1.7
"	0739	"	10W, 4 1/2N	"	"	720	75	30	117	202	140	5	151	-	18	1.6
"	0740	"	11W, 3N	"	"	2866	203	109	644	796	980	5	159	-	56	3.1
"	0741	"	15W, 1N	"	"	3778	345	165	748	1496	900	2	122	-	90	2.1
"	0742	"	15W, 1 1/2N	"	"	4120	345	173	852	1584	990	0	176	-	76	2.5
"	0743	"	19 1/2W, 3 1/2N	"	"	5235	420	203	1339	1882	2010	12	149	-	110	3.2
"	0744	"	20W, 0N	"	"	5272	660	83	1057	1828	1530	2	112	-	11.6	1.6
"	0745	"	20W, 3/4N	"	"	4900	450	23	1243	1650	1430	2	102	-	71	2.8
"	0746	"	20 3/4W, 3 1/2N	"	"	4016	480	75	790	1222	1330	7	112	-	76	1.6
"	0747	"	20 3/4W, 1N	"	"	4458	570	165	717	1474	1410	0	122	-	123	1.3
"	0748	"	22 5/8W, 2 3/8N	"	"	1239	143	34	229	404	300	0	129	-	29	1.6
"	0749	"	23 3/4W, 0N	"	"	3099	480	98	435	1174	740	0	132	-	93	0.9
"	0750	"	23 3/4W, 3 1/2N**	"	"	2352	300	71	395	752	680	0	154	-	61	1.3
"	0936	3/49	Sec. 5, T.1N, R.1E	"	Well	1200	-	-	884	1516	1500	0	144	-	129	1.5
"	0490	8/48	Sec. 30, T.2N, R.1E	"	"	162	63	86	49	132	254	0	171	-	22.6	1.7
"	0493	"	Sec. 19, T.2N, R.1E	"	"	714	77	677	90	8	104	0	249	-	15.0	1.2
"	0497	"	Sec. 8, T.2N, R.1E	"	"	1000	69	480	60	26	53	0	156	-	15	0.9
"	0501	"	Sec. 5, T.2N, R.1E	"	"	225	60	94.5	120	38	132	0	110	-	26.6	1.1
"	0508	"	Sec. 12, T.1N, R.1E	"	"	182	69	1805	45	38	517	0	356	-	15.7	1.1
"	0513	"	Sec. 6, T.1N, R.2E	"	"	414	77	1310	38	34	362	0	246	-	13.6	0.9

*Analyses in parts per million, and hardness in grains per gallon

Indicates distance in miles from the initial monument

Chemical composition of Arizona Waters

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.)		Total soluble salts	Cal- cium	Mag- nesium	Sodium	Chlo- rides	Sul- phates	Carbon- ates	Bicar- bonates	Fluorine	Hard- ness	Na/Ca
						of well	to water											
Buckeye	0517	8/48	Sec. 8, T.1N, R.2E	Roosevelt Irrig. Dis.	Well	300	68	1790	25	41	147	510	21.0	0	1.51	-	20.3	6.1
	0530	"	Sec. 10, T.1N, R.2E	"	"	454	71	1424	30	41	413	196	12	2.12	-	14.3	16.5	
	0534	"	Sec. 11, T.1N, R.2E	"	"	650	61	1593	120	38	345	1450	1.60	0	1.42	-	26.6	2.9
	0539	"	Sec. 24, T.1N, R.2E	"	"	509	42	1500	75	53	365	546	200	0	2.20	-	23.6	5.0
	0541	"	Sec. 19, T.1N, R.2E	"	"	201	43	1358	75	41	320	1328	150	0	3.22	-	20.5	4.2
Bullhead	5-268	5/48	Sec. 33, T.1CN, R.2E	Big Bend Ranch	"	"	"	870	115	11	115	183	236	0	1.83	0.5	3.1	0.8
Bumblebee	47799	11/45	Sec. 4, T.92N, R.2E	Don Robinson	"	"	"	782	98	11	108	60	70	0	1.5	0.65	17	1.1
				Village Supply	"	12	"	808	90	34	91	44	12	4.58	0.7	21.2	1.1	
Coctus	0161	5/48	Sec. 13, T.3N, R.3E	Chas. Abels	Well	306	-	292	45	15	-	-	-	-	1.0	10.0	-	-
	0174	8/48	Sec. 27, T.3N, R.4E	N.L. Polkman	"	258	-	356	23	11	61	22	20	2	2.17	0.6	6.0	2.2
	0343	7/48	Sec. 24, T.3N, R.4E	E.V. Graham	"	269	-	390	23	11	69	26	10	0	2.42	1.2	6.0	3.0
	03051	4/49	Sec. 32, T.3N, R.3E	Floyd M. Smith	"	200	-	1166	15	8	530	256	70	10	4.0	-	4.0	22.0
	49760	6/47	Sec. 21, T.22S, R.13E	School Dir. #2	"	60	-	122	20	9	1	12	T	0	87	0.02	5.1	0.04
Calchases	47192	5/45	Sec. 22, T.22N, R.2E	Trading Post	"	160	-	343	172	31	971	824	104.0	0	3.73	1.74	32.6	7.9
	47266	7/45	"	"	"	160	-	1395	40	36	517	282	275	0	4.04	-	14.5	-
	52620	8/48	"	"	"	"	-	658	53	8	131	34	225	0	2.07	.2	9.8	2.5
	52618	"	Sec. 25, T.32N, R.6E	Cliff Dwell Lodge	"	"	-	1567	127	34	92	60	41.0	0	2.14	0.6	27	.8
	52617	"	31.5 mi. N on US #99	Gap Trading Post	"	"	-	826	8	4	228	50	70	0	4.44	1.0	2.2	28
Cameron	52619	"	Sec. 31, T.32N, R.4E	Mabelprana Ranch	"	"	-	1130	315	27	T	110	0	4.75	0	2.6	52	-
	52618	"	Sec. 34, T.40N, R.7E	Marble Canyon Sta.	"	"	-	518	8	8	69	30	30	0	1.71	.2	3.2	9
	52626	"	Sec. 3, T.39N, R.3E	HouseRock Roh. Store	Spring	"	-	456	15	4	122	90	40	0	1.95	.2	3.2	7.5
	48270	5/46	Sec. 13, T.13N, R.5E	Mrs. J. Cooran	Surface water	"	-	333	142	15	25	18	0	0	2.26	0.2	2.7	0.6
	51122	3/46	Sec. 5, T.13N, R.5E	Frank Hough	Well	"	-	445	75	8	51	20	35	0	2.51	0.15	13.0	0.7
	51715	3/49	"	Vincent Jarrell	"	"	-	1682	113	0	415	230	500	1	4.20	4.0	22.0	3.7
	52063	6/48	T.14N, R.7E	Clover Spring	"	"	-	239	45	4	33	40	0	0	1.71	0.9	7.5	0.75
	52137	7/48	T.13N, R.5E	J.H. Wingfield	"	"	-	293	15	4	91	30	19	36	68	0.9	3.0	6.0
	52623	12/43	Sec. 2, T.13N, R.5E	Hank Wingfield	"	"	200	30	142	637	0	0	72	0	2.25	2.0	95.0	0
	Geno Hol	52623	8/48	Sec. 13, T.13N, R.5E	"	"	"	"	119	23	4	25	20	0	0	1.17	.2	14.4
Casa Blanca	49751	6/47	Sec. 8, T.22S, R.16E	Camille	"	15	11	93	11	11	14	16	0	0	0.17	0.17	16.5	0.1
	49753	"	"	"	"	"	"	323	81	1	T	14	0	2.27	0.30	12	-	
	E2899	5/45	"	Camille School	"	"	"	761	66	8	167	188	110	0	2.20	1.5	11.7	2.45
	44070	11/42	Sec. 6, T.4S, R.5E	Day School	"	"	"	1072	61	3	159	172	96	0	2.12	1.3	5.5	4
	44067	"	Sec. 25, T.3S, R.4E	Old Farm Sta.	"	"	"	989	107	16	150	271	135	0	2.69	1.3	9.4	1.7
	51120	3/48	Sec. 30, T.7S, R.6E	Rob Anderson	"	600	70	366	54	4	46	28	68	0	1.66	0.85	6.8	0.9
	48679	7/46	Sec. 20, T.6S, R.6E	Art. Edison	Well #4	580	70	1466	199	40	215	336	67	0	2.28	0.5	36.6	1.1
	48680	"	Sec. 20, T.6S, R.6E	"	"	284	72	1396	231	27	172	272	446	0	1.81	0.78	36.3	0.8
	48101	12/45	Sec. 15, T.6S, R.7E	E.R. Ashmore	Well #5	175	40	434	49	8	66	51	49	0	1.84	0.46	9.1	1.3
	47816	11/45	Sec. 30, T.6S, R.7E	Carl Bagley	"	210	40	132	21	2	68	47	47	0	1.46	0.65	3.2	-
Casa Grande	50153	8/47	Sec. 29, T.7S, R.5E	Carl E. Brooks	"	309	100	1389	255	38	140	692	376	0	1.87	0.60	44.1	0.95
	49481	3/47	Sec. 19, T.6S, R.6E	Del Brooks	"	"	-	2833	357	76	474	627	1072	0	1.96	0.72	70.5	1.3
	48295	2/46	Sec. 27, T.6S, R.6E	T.V. Carlton	"	250	50	735	113	16	94	135	223	0	1.53	0.64	30.3	0.8
	48367	4/46	Sec. 6, T.6S, R.6E	Mrs. B.D. Chandler	"	205	-	2397	124	14	238	552	600	0	2.69	0.40	55.2	0.5
	47818	11/45	Sec. 28, T.6S, R.6E	City Water Supply	" #2	"	-	665	78	5	132	129	163	0	1.96	0.35	11.7	1.3
	48490	6/46	Sec. 25, T.6S, R.6E	"	" #3	"	-	744	78	7	150	141	197	0	1.70	0.65	13.1	1.9
	48491	"	Sec. 22, T.6S, R.6E	"	" #4	"	-	751	75	10	153	145	200	0	1.69	0.90	13.1	2.1
	48922	10/48	"	"	Well	"	-	678	67	6	142	134	174	6	1.54	0.96	11.2	2.1
	33740	9/45	"	"	"	"	-	795	90	8	121	130	260	0	1.56	1.0	14.9	1.7
	48632	6/46	Hess subdivision	Ed Corley	"	216	92	527	64	11	80	100	63	0	1.80	0.66	12.0	1.2
	50885	1-43	Sec. 2E, T.6S, R.3E	"	"	180	-	513	52	5	126	79	40	0	2.10	0.76	8.2	2.4
	44030	12/42	Sec. 29, T.6S, R.6E	Walter Cunningham	"	"	-	3539	405	56	782	1640	452	0	2.04	0.60	72	1.9
	48250	3/46	Sec. 15, T.6S, R.5E	Robert Denton	"	130	35	1294	193	32	152	330	223	0	2.38	0.4	37	0.8
	47466	10/44	Sec. 31, T.6S, R.6E	John DeYnton	"	98	40	944	72	13	224	230	220	0	1.44	1.24	13.6	3.1
49682	6/47	Sec. 15, T.6S, R.4E	A. Dunnigan- A.T. Shington	"	400	100	2310	196	30	529	528	760	0	2.66	1.2	35.8	2.70	
								421	40	2	82	63	0	1.83	0.43	9.9	2.0	

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.)		Total soluble salts	Calcium	Magnesium	Sodium	Chlorides	Sulphates	Carbonates	Bicarbonates	Fluorine	Hardness	Na/Ca
						of well	to top											
Chandler	0941	3/49	Sec. 32, T.2S, R.5E	Henna	Well #32	400	-	905	90	15	192	294	130	0	181	-	17	2.1
"	0986	3/49	Sec. 31, T.2S, R.5E	"	" #31	600	-	869	90	11	181	21.8	150	0	165	-	16	2.0
"	0967	3/49	Sec. 19, T.1S, R.5E	I.A. Cummings	"	2375	-	195	64	-	-	-	-	-	0	0	43.6	-
"	88054	7/47	Sec. 17, T.2S, R.6E	Gene Dougherty	"	706	-	808	128	15	121	292	100	0	139	0.2	22.2	1.0
"	0915	3/49	Sec. 4, T.1S, R.5E	Cliff Dobson	"	325	-	1268	105	26	-	-	-	-	0	0	21.6	-
"	84167	9/47	Sec. 10, T.1S, R.5E	Arena Horton Co.	"	612	-	1471	113	38	316	400	270	0	315	-	25.4	2.8
Chandler Hgts.	47780	10/45	Sec. 36, T.2S, R.6E	Irrig. Dist.	" #1	466	194	542	0	130	0	177	70	0	109	0.5	7.7	2.4
"	47781	"	Sec. 31, T.2S, R.7E	"	" #2	400	197	536	40	3	137	168	54	5	126	0.6	6.1	2.4
"	47782	"	"	"	" #3	356	-	538	38	3	157	161	56	0	141	0.55	6.2	3.6
"	47783	"	Sec. 36, T.2S, R.6E	"	" #4	310	286	653	60	0	150	189	72	0	156	0.55	8.8	2.5
"	47784	"	"	"	" #5	503	193	695	68	6	158	227	89	5	154	0.55	11.3	2.3
"	51692	5/48	Sec. 31, T.2S, R.7E	"	Well	-	-	581	45	8	135	156	70	0	168	0.9	8.6	3.0
Charleston	49524	3/47	Sec. 11, T.21S, R.21E	San Pedro River	Surface water	-	-	397	46	14	44	56	17	0	239	0.50	10.1	1.0
"	52298	8/48	--	W.A. Johnson	Well	-	-	362	30	4	71	30	92	0	134	0.2	5.0	2.4
"	52241	7/48	--	J. G.H. Gerry	"	-	-	393	53	8	69	168	T	0	95	0.5	9.7	1.3
"	52746	6/48	--	San Pedro River	Surface water	-	-	315	53	4	26	8	T	7	220	0.7	6.7	0.5
Cherry	55114	6/49	Sec. 3, T.13N, R.1E	C.F. Jernigan	Well	-	-	1452	115	19	35	30	T	0	294	0.2	21	0.3
"	54810	4/49	Sec. 21, T.14N, R.3E	M.L. Richardson	"	-	-	204	30	4	18	8	T	0	144	0.3	5	0.6
Chino Valley	45694	4/44	Sec. 34, T.17N, R.2W	Claude Aikens	"	-	-	211	37	0	20	12	10	0	132	-	5.36	.54
"	50131	7/47	Sec. 12, T.16N, R.2W	Bobo #1	"	-	-	253	38	11	12	16	T	0	176	0	6.0	0.32
"	43891	-	Sec. 27, T.16N, R.2W	Irrig. Dist.	"	160	-	203	31	9	9	12	T	0	142	-	8.7	0.3
"	51680	5/48	"	"	"	-	-	141	38	4	T	20	30	0	49	0.4	6.5	-
"	51679	-	Sec. 22, T.16N, R.2W	Post Office	"	200	140	590	30	11	115	28	25	0	351	0.25	7.4	3.6
"	47542	9/45	Sec. 27, T.16N, R.2W	Norman Church	"	-	-	220	34	0	28	20	T	0	129	0.20	5.0	0.8
"	47543	"	Sec. 11, T.16N, R.2W	Charonill F. Plant	"	-	-	236	30	0	35	17	T	0	152	0.25	4.4	1.2
"	47544	"	Sec. 21, T.16N, R.2W	Lynn Early	"	-	-	232	44	18	17	69	0	0	142	0.30	10.7	0.4
"	43885	9/42	Sec. 3, T.16N, R.2W	Mrs. Earnhart	"	-	-	211	22	10	20	15	T	0	144	-	5.6	1.0
"	45793	8/46	Sec. 10, T.16N, R.2W	Floyd Hadley	"	160	-	704	96	50	46	170	98	0	244	0.32	26	0.5
"	46227	8/44	Sec. 34, T.17N, R.2W	Fred Harvey	"	-	-	210	38	2	16	15	T	0	139	0.3	6.0	0.42
"	43889	-	Sec. 15, T.16N, R.2W	H. Hawkins	"	99	-	218	28	3	27	14	T	0	146	-	4.8	1.0
"	50134	7/47	Sec. 34, T.16N, R.2W	Nay Hightower	"	236	235	345	45	4	46	50	0	0	198	0	7.3	1.0
"	45693	4/44	Sec. 11, T.16N, R.2W	S.A. Key	"	-	-	306	44	14	24	56	10	0	158	-	9.82	.54
"	47541	9/45	Sec. 2, T.16N, R.2W	I.U. Bar Ranch	"	-	-	182	34	0	21	36	T	4	80	0.2	5.0	0.6
"	50133	7/47	Sec. 24, T.15N, R.1W	Reed	"	-	-	336	60	8	18	30	0	0	220	0	10.4	0.3
"	43890	-	Sec. 22, T.16N, R.2W	Herbert Rees	"	190	-	250	37	2	23	24	T	0	158	-	3.9	0.6
"	50132	7/47	Sec. 4, T.16N, R.2W	"	"	768	21	297	45	11	36	9	0	0	166	0	9.0	0.83
"	45695	4/44	Sec. 4, T.16N, R.2W	Alva Saunders	"	482	-	213	34	0	24	11	5	0	139	-	4.97	0.7
"	47636	9/45	Sec. 36, T.17N, R.4W	J. Thompson Location	"	65	8	264	46	T	24	18	T	0	176	-	6.7	0.52
"	43888	-	Sec. 10, T.16N, R.2W	L. Underdow, Sr.	"	-	-	218	26	9	19	13	T	0	151	-	5.9	0.7
"	43886	-	Sec. 3, T.16N, R.2W	Norman Underdown	"	-	-	211	40	2	16	16	T	0	147	-	6.3	0.4
"	46228	8/44	Sec. 30, T.15N, R.2W	S.W. Webb	"	150	120	267	59	2	9	17	10	0	170	0.2	9.1	0.2
"	43887	-	Sec. 10, T.16N, R.2W	Owen Welch	"	-	-	210	31	2	22	12	T	0	145	-	5.0	0.7
"	52677	9/48	Sec. 27, T.16N, R.2W	F.W. Lesser	"	355	-	191	30	4	15	14	T	0	127	0.2	5.4	0.5
"	52676	-	Sec. 25, T.16N, R.2W	Chas. McGee	"	518	-	221	30	4	18	14	T	0	134	0.2	5.4	0.6
"	52678	-	Sec. 21, T.16N, R.2W	Herbert Rees	"	413	-	254	38	0	22	21	T	0	159	0.2	3.5	0.9
Chloride	49522	4/47	Sec. 6, T.23N, R.17E	R.E. Lord	"	-	-	797	114	30	66	39	31.5	0	209	0.82	25.8	0.6
"	47360	7/45	Sec. 9, T.23N, R.18W	N.E. Tyree	"	60	15	9378	982	327	1819	3375	2700	0	172	3.0	222	1.9
"	49660	5/47	Townsite	"	"	48	22	2951	481	194	116	24.0	1532	0	385	2.7	116.6	0.2
Christmas	47655	10/45	Sec. 30, T.4S, R.16E	Christmas Mine	"	770	-	487	82	0	53	22	T	0	253	0.3	12.0	0.65
"	49186	1/47	--	--	Mine Well	-	660	378	28	11	63	23	31	6	213	0.5	6.7	2.2
Clarkdale	54775	3/49	--	City Supply	"	-	-	763	135	4	62	50	T	0	52	0.1	21.0	0.5
"	54776	-	Sec. 17, T.16N, R.3E	Tapeo Springs	"	-	-	1011	90	4	207	76	258	0	376	0.3	14	2.3
Claypool	9454	-	--	People's Ice Co.	"	-	-	825	201	20	14	54	370	0	166	0.4	34	0.07

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.)		Total soluble salts	Calcium	Magnesium	Sodium	Chlorides	Sulphates	Carbonates	Bicarbonates	Fluoride	Hardness	Na/Ca	
						of well	to water												
Coolidge	52167	7/48	Sec.25, T.7S, R.3E	Verne Wuertz	Well	-	-	281.5	608	15	235	1120	706	0	159	0.9	93	0.4	
	52168	"	"	"	"	"	"	322.6	622	8	437	1120	817	0	163	0.9	93	0.8	
	52169	"	"	"	"	"	"	173.6	203	4	376	520	400	0	229	0.9	31	2	
	51652	5/48	Sec.29, T.11N, R.2E	Henry Cordes	"	15	7	665	105	11	60	56	75	0	370	0.6	18	0.6	
	51771	3/49	Sec. 3, T.15N, R.4E	"M" Greenville	"	50	22	644	120	0	69	48	144	0	288	0.1	18	0.4	
	48816	8/46	Sec.23, T.12S, R.13E	Campo Bello Subdiv.	"	268	-	114.8	12	1	29	16	T	0	86	2	2	2	2
	48267	3/46	Sec.29, T.12S, R.12E	G.B. Thompson	"	-	-	559	56	9	101	90	100	0	202	0.62	10.3	1.8	
	48678	10/46	Sec.24, T.12S, R.13E	Geo. A. Smith	"	41.6	302	141	16	3	18	11	10	0	78	1.1	3	1.1	
	46054	8/44	Sec. 1, T.13S, R.12E	Cortaro Farms	"#1-F	-	-	1070	149	16	155	95	360	0	282	-	-	1.04	
	46055	"	"	"	"#1-I	-	-	740	92	9	114	45	196	0	274	-	-	1.21	
	46060	"	Sec.5, T.13S, R.13E	"	"#5-D	-	-	215	37	0	24	15	10	0	126	-	-	0.65	
	46062	"	Sec.6, T.13S, R.13E	"	"#6-D	-	-	849	140	0	119	78	255	0	248	-	-	0.85	
46063	"	"	"	"#6-F	-	-	695	168	3	104	70	185	0	222	-	-	0.98		
46064	"	Sec. 8, T.13S, R.13E	"	"#8-B	-	-	422	66	0	58	28	92	0	174	-	-	0.88		
46066	"	Sec. 9, T.13S, R.13E	"	"#9-E	-	-	345	52	2	45	24	55	0	162	-	-	0.86		
Cottonwood	83195	5/45	--	Cottonwood	Well	-	-	513	68	23	39	46	20	0	317	0	15.2	0.6	
	54773	3/49	Sec.33, T.16N, R.3E	City Supply	Artesian	-	-	465	75	8	39	36	0	307	0.1	13	0.5		
	49853	5/47	Sec.26, T.14S, R.2E	Covered Wells	Well	-	-	651	40	48	77	93	37	0	355	1.1	17.4	1.9	
Covered Wells	51672	5/48	Sec.35, T.24N, R.13W	A.T. & S.P. RR	"	-	-	720	90	26	74	60	80	0	390	0.85	19	0.8	
	51631	"	T.10N, R.1W	Phila. Mine	Mine water	-	-	370	83	8	7	16	100	0	156	0.8	14	0.1	
Detelan	48537	7/46	Sec.21, T.7S, R.12W	A.L. Aller	Well	95	68	883	34	5	264	243	202	0	123	8	6.2	7.8	
	46424	10/44	Sec.19, T.7S, R.12W	Dateland Farms	"#1	680	30	956	40	2	294	308	212	0	95	4.5	6.3	7.35	
	46425	"	Sec.25, T.7S, R.13W	"	"#2	93	60	864.6	368	0	2632	2186	3100	T	352	7.9	53.7	7.15	
	49858	8/47	Sec.19, T.7S, R.12W	"	Well	780	26	1027	35	1	326	374	249	0	94	5.2	5.3	9.3	
	51011	2/48	Sec.21, T.7S, R.12W	E.L. Farrin	"	-	-	895	68	4	225	244	210	0	134	10.25	10.7	3.4	
	45851	4/44	"	E.J. Segfried	"	84	62	708	24	0	225	219	136	0	96	7.5	-	9.38	
	51078	2/48	"	"	"	120	68	809	45	T	223	236	166	0	129	5.3	6.5	5.1	
	8944	11/43	--	School	"	-	-	132	60	30	34	398	110	2	242	1.1	11.6	10.4	
	46944	4/45	Sec.12, T.2N, R.3E	Isabel	"	890	-	325	60	11	10	28	T	0	134	-	-	11.4	0.2
	40943	"	Sec. 6, T.3N, R.3E	Mitchell	"	233	-	364	51	21	15	29	T	0	248	-	-	12.5	0.3
	Desert Station	51820	6/47	Sec. 8, T.24N, R.15W	J.S. Riley	"	206	120	1228	53	9	350	290	353	0	167	5.5	9.9	6.6
	Desert Well	51701	5/48	Sec. 8, T.24N, R.15W	Chevron Station	"	400	-	1022	53	8	353	300	150	0	156	2.5	9.7	7
Dewey	51636	"	Sec. 3, T.15N, R.1E	M.L. Richardson	"	45	40	474	83	8	37	40	28	0	278	0.95	16	0.45	
Dos Cabezos	49627	5/47	Sec. 4, T.15S, R.27E	Rancho Sacatal	New Well	255	45	588	52	14	97	34	107	0	283	1.3	11	1.9	
"	49628	"	"	Old O.B. Well	Well	32	4	993	82	6	76	28	98	0	302	1.16	13.4	0.9	
"	51728	4/49	Townsite	School	"	125	100	494	60	8	71	27	5	232	1.2	11	1.2	-	
Douglas	50175	8/47	--	N.W. Address	"	-	-	680	60	11	13	118	50	0	309	1.2	8.8	2	
"	57171	2/49	Sec.22, T.21S, R.27E	Chas. Atwell	"	375	100	401	83	0	21	62	T	0	224	-	-	12.1	0.3
"	48272	4/46	Sec.13, T.24S, R.27E	Ariz. Edison	"	-	-	415	1	0	123	24	24	11	232	0.38	0.15	-	-
"	45558	3/44	Sec. 4, T.23S, R.27E	Army Air Field	"	#3	401	170	329	21	0	71	11	27	0	199	0.23	-	-
"	45559	"	"	"	"	#5	290	138	329	21	0	71	11	27	0	199	0.23	-	-
"	45660	"	"	"	"	#6	403	138	288	11	1	68	12	10	0	186	0.3	-	-
"	48459	5/46	Sec.10, T.24S, R.27E	City Water	Well	-	-	865	14	19	26	0	106	23	172	2.7	6.6	18.6	
"	8/49	"	"	"	"	320	-	473	38	4	90	16	63	0	261	1.1	7	2.4	
"	49862	6/47	Sec. 7, T.23S, R.30E	John P. Cull	"	475	375	773	24	24	40	23	0	0	260	-	-	9.3	1.7
"	4838	7/43	--	Douglas Air Field	"	#6	-	337	0	8	86	162	-	-	-	-	-	1.8	-
"	54274	3/49	Sec. 1, T.23S, R.26E	E.W. Forceman	Well	45	37	391	105	4	67	108	91	0	215	0.8	10.6	0.6	-
"	44801	7/43	Sec. 7, T.24S, R.27E	Hannigan's Dairy	"	200	80	325	75	0	26	58	10	7	168	0.5	10.9	3.5	-
"	49891	6/47	Sec.32, T.21S, R.30E	I.V. Barr Ranch	"	447	280	338	229	14	45	33	0	0	217	0.2	7.6	1.6	-
"	50049	7/47	Sec. 4, T.24S, R.29E	P.J. Johnson	"	-	-	432	21	11	143	10	35	12	200	T	5.6	6.7	-
"	48452	5/46	Sec.19, T.23S, R.27E	W.E. Mason	"	-	-	2185	193	90	424	778	421	0	278	0.85	40.8	2.2	-
"	47396	8/45	Sec. 7, T.24S, R.28E	Richard Nealin	"	-	-	420	37	17	53	21	20	0	271	1	9.5	1.4	-
"	46321	4/46	"	"	"	400	-	412	35	12	66	20	20	19	234	1.2	8	1.9	-

Douglas	50461	11/47	Sec. 7, T.24S, R.28E	Roy Trapman	Well	-	-	911	15	T	276	250	175	0	195	0.65	2.1	18.4
"	51140	3/48	T.23S, R.23E	Army Air Base	"	-	-	254	22	1	28	12	25	0	166	0.22	3.1	1.2
"	51869	6/48	Sec. 7, T.24S, R.28E	R.D. Campbell	"	400	-	365	30	12	60	28	20	0	244	1.25	7.4	2
Dragoon	48487	5/46	Sec.30, T.15S, R.23E	Tom Adams	"	563	463	311	40	15	21	24	T	0	211	0.22	9.4	0.5
"	50629	12/47	Sec.19, T.16S, R.23E	C.M. Bomelyn	"	500	440	458	60	4	60	28	50	0	256	0.4	9.4	1
"	47423	6/45	Sec.36, T.14S, R.23E	Coronado Cop.&Zinc	"	93	53	1031	8	0	343	263	100	12	295	10	1.2	42.9
"	46345	7/44	Sec.36, T.14S, R.23E	Republic Mine #1	"	94	78	1052	14	0	534	255	118	7	324	-	2	-
"	46146	"	"	" #2	"	94	78	352	70	15	2	19	26	0	250	-	15.8	0.03
"	45110	10/43	Sec. 8, T.17S, R.23E	J.L. Findley	Spring	-	-	385	60	11	7	22	0	0	0	-	1.2	11.5
"	49084	12/46	Sec.29, T.16S, R.23E	J.L. Findley	Well	600	540	376	64	6	29	19	40	0	215	0.86	10.8	0.4
"	48440	5/46	Sec.16, T.15S, R.22E	D.A. Halgren	"	180	-	690	90	23	66	66	18	T	427	0.2	18.7	0.7
"	50705	1/48	Sec.12, T.16S, R.22E	S.J. Lundfair	"	665	38	458	60	4	60	28	50	0	256	0.4	9.4	1
"	47281	7/45	Sec.36, T.14S, R.23E	Steele Ranch	"	-	-	923	56	16	213	140	252	0	242	3.7	12	3.8
Duncan	47763	10/45	Sec.27, T.8S, R.32E	L.C. Ballard	"	-	33	4103	416	100	888	1708	642	0	318	-	85.5	2.1
"	47766	10/22	Sec.18, T.8S, R.32E	Dimas Barro	"	-	-	6574	647	316	1274	3236	851	0	250	-	173	2
"	47953	12/45	Sec.28, T.8S, R.32E	Harg. Millingale	"	16	8	1219	153	15	326	214	394	0	534	3.5	26.6	2.1
"	48944	10/46	Sec.28, T.8S, R.32E	City Water Supply	"	-	-	839	82	15	280	182	274	0	386	2.32	15.1	3.4
"	46271	9/44	Sec.19, T.8S, R.32E	Util.Pumping Plant	"	-	-	1267	115	21	244	166	295	0	427	1.9	21.8	-
"	46272	"	Sec.19, T.8S, R.32E	Util.Martin Well	"	-	-	665	11	8	194	89	138	15	201	9	3.5	-
"	47063	9/45	Sec. 3, T.9E, R.32E	R.E. Ellidge	"	26	12	948	102	27	152	81	162	0	438	2.08	21.4	1.29
"	49675	5/47	--	"	"	100	40	437	24	16	87	64	90	0	151	0.5	7.4	3.6
"	48424	5/46	Sec.12, T.8S, R.31E	R.J. Golding	"	87	14	4472	62	2	371	119	210	0	703	-	9.5	6
"	47767	10/45	Sec.17, T.8S, R.32E	County Fairgrounds	"	-	-	1075	68	38	188	80	179	0	520	1.9	19	2.76
"	48102	3/46	Sec.32, T.8S, R.32E	D.R. Hartley	"	52	20	1527	56	8	1363	401	1500	T	1103	5.5	10.1	23.6
"	47770	10/45	Sec.12, T.8S, R.31E	H.L. Howell	"	-	-	839	68	8	198	138	233	12	200	2.2	11.6	2.91
"	48372	11/46	Sec.29, T.8S, R.32E	Jim C. Kennedy	"	15	7	1182	112	22	200	94	228	0	524	1.9	21.6	1.8
"	48449	5/46	"	Mrs. Gene Lovett	"	135	30	2236	17	3	766	683	517	0	246	4.32	3.2	45
"	48718	7/46	"	"	"	135	30	1853	19	9	613	530	388	13	276	4.72	4.9	32.3
"	47605	9/45	Sec.26, T.8S, R.32E	Edward Lunt	"	80	25	1104	98	23	184	53	218	0	526	2.2	19.8	1.88
"	47762	10/45	Sec.20, T.8S, R.32E	Ed Lunt	"	-	-	1297	83	23	261	80	233	-	615	2.4	17.6	3.14
"	47598	9/45	Sec.27, T.8S, R.32E	Viril Lunt	"	100	85	1085	64	0	261	54	128	47	528	3.2	9.3	4.08
"	47599	"	"	W.J. Lunt	"	50	21	1165	104	20	207	55	292	0	476	3.6	20	1.99
"	47480	8/45	Sec.12, T.8S, R.31E	Wilford McGrath	"	70	20	827	59	12	171	58	223	0	292	2.2	11.5	2.9
"	47481	"	"	"	"	40	20	4154	90	5	337	113	292	0	644	3.5	14.3	3.7
"	47761	10/45	Sec.20, T.8S, R.32E	"	"	80	20	1180	92	24	223	95	256	0	487	3.5	19.2	2.4
"	47764	9/45	Sec.27, T.8S, R.32E	Mrs. J.W. McKinley	"	60	32	1347	120	26	239	90	362	0	508	2.2	23.2	2
"	47604	"	Sec.27, T.8S, R.32E	Dudley Scott	"	54	-	3774	87	2	1210	900	1138	36	397	1.8	15.2	13.9
"	47600	"	Sec.16, T.9E, R.32E	J.R. Shipman	"	125	-	1600	15	2	527	310	511	20	210	4.75	2.7	3.51
"	47608	"	Sec.14, T.8S, R.31E	Hy.Dept.Roadside Park	"	-	-	560	54	9	100	37	78	22	258	2.08	10.1	1.85
"	47769	10/45	Sec. 7, T.8S, R.32E	Elmer Stevens	"	125	-	1348	45	34	587	160	466	12	268	6.5	7.6	6.6
"	48378	4/46	Sec.35, T.8S, R.32E	Mrs. R. Stewart	"	25	-	813	90	34	52	76	52	12	476	1.1	21.3	0.9
"	48666	7/46	T.8S, R.32E	Earl Stowell	"	32	9	2257	54	19	616	121	658	46	759	4.05	12.4	14.1
"	44355	3/43	Sec.32, T.8S, R.32E	Joe Tea	"	40	32	3658	83	0	1157	871	950	0	573	3.6	12	14
"	52829	7/48	Sec.21, T.10S, R.32E	Harry A. Day	"	580	-	1212	225	4	106	162	420	0	293	1.5	34	0.5
"	52647	6/48	"	W.T. Gale	"	-	-	4983	45	4	1810	2300	600	0	220	2.5	7.6	40.2
"	52642	6/48	Sec.33, T.7S, R.31E	Harlan Price	"	80	70	1152	83	8	255	160	215	0	429	2.1	14	3.1
"	52135	6/48	T.8S, R.32E	Mrs. Lilly Tipton	"	-	-	647	83	11	91	86	75	8	268	0.9	15	1
Eden	47772	10/45	--	Village Supply	Spring	-	-	446	36	4	89	54	46	5	222	0.15	6.5	2.3
"	51606	6/48	Sec. 4, T.6S, R.24E	Albert Carpenter	Well	61	28	5290	750	45	54	300	300	0	760	2.9	12.2	1.4
"	21287	4/48	T.5E, R.24E	Hollis Hancock	"	50	20	5123	720	8	1113	2380	600	0	300	1.9	108	1.5
"	21288	"	"	"	"	-	-	4356	465	11	1065	1720	600	0	493	2	71	2.3
"	51591	6/48	Sec.32, T.5S, R.24E	Alvin Kempton	"	50	19	2057	157	15	506	640	275	0	464	0.25	27	3.2
Elfrida	51592	"	"	"	"	-	-	3442	353	19	837	1356	350	0	550	0.3	56	2.4
"	47027	5/45	Sec.22, T.20S, R.26E	S.L. Brockman	"	-	-	243	38	2	23	10	T	0	167	0.94	6	0.6

*Analyses in parts per million, and hardness in grains per gallon

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.)		Total soluble salts	Calcium	Magnesium	Sodium	Chlorides	Sulphates	Carbonates	Bicarbonates	Fluorine	Hardness	Na/Ca
						of well	to water											
Elfrida	47159	5/45	Sec. 32, T.18S, R.26E	Lea T. Burnett	Well	85	67	190	31	1	20	15	T	0	122	1.16	4.7	0.6
"	47160	"	Sec. 25, T.19S, R.25E	Lewis Grizzle	"	650	125	278	24	1	52	15	T	0	181	5.0	3.7	2.2
"	46804	9/46	Sec. 21, T.20S, R.27E	A.L. McCormick Reh.	"	266	262	474	3	378	38	80	0	0	212	3.2	6.3	2.6
Elgin	49754	6/47	Sec. 29, T.20S, R.15E	Elgin Store	"	"	"	471	92	12	16	35	12	T	304	0.44	16.3	0.2
Eloy	47986	12/45	Sec. 9, T.8S, R.7E	Lloyd Buntz	"	"	"	431	56	3	63	32	71	0	196	0.2	"	1.1
"	46071	1/46	Sec. 5, T.8S, R.8E	City Supply	"	"	"	344	49	1	46	20	49	0	179	0.36	7.4	0.9
"	48881	9/46	Sec. 7, T.7S, R.9E	Dr. Eugene McGuire	"	300	70	996	52	8	269	237	210	0	244	6.0	9.5	5.2
"	47161	5/45	Sec. 29, T.8S, R.3E	J.F. Nutt	"	"	"	383	49	3	56	26	53	0	196	0.45	7.9	1.1
"	52214	7/48	Sec. 3, T.7S, R.2E	Ag. Eng. Dept.	"	"	"	597	68	0	35	40	58	T	154	0.6	10	0.5
"	52220	7/48	Sec. 25, T.6S, R.7E	H. Hausler	"	"	"	180	65	0	60	99	0	T	220	0.7	12	0.7
"	52216	"	Sec. 25, T.7S, R.3E	A. Hausler	"	338	160	354	65	4	25	32	54	T	168	0.6	11	0.4
"	52221	"	Sec. 27, T.8S, R.8E	Art. Thompson, #3	"	"	200	341	60	8	22	24	0	T	171	0.8	11	0.4
El Mirado	49806	6/47	Sec. 13, T.3N, R.1E	Townsite	"	378	"	310	57	16	2	23	24	0	188	0.26	12.2	0.6
Emery Park	49744	6/47	Sec. 13, T.15S, R.13E	Sunnyside School	"	"	"	416	58	18	36	29	122	0	151	2.32	12.8	0.6
Emond	48541	7/46	Sec. 25, T.15S, R.15E	S.F. RR	"	883	432	258	34	7	25	14	12	0	143	0.32	6.6	0.7
"	52522	6/48	"	"	"	883	399	165	30	4	16	12	T	14	102	0.8	5.4	0.5
Fairbank	44187	1/43	Sec. 32, T.19S, R.19E	R.H. Ferner	Spring well	"	"	541	126	0	41	17	37	0	320	0.3	18	0.32
"	54874	5/49	Sec. 6, T.21S, R.20E	Ernest Wymkocp	Well	74	35	396	82	4	13	20	134	T	261	0.4	15	0.16
Feldman	49730	6/47	Sec. 33, T.6S, R.16E	F.T. Hensch	"	"	"	579	78	8	72	20	102	0	298	0.63	13.3	0.9
Fla staff	47802	11/45	Sec. 16, T.20N, R.2E	Flagstaff	Lake Mary	"	"	70	0	0	21	10	T	0	39	0	0	"
"	44116	12/42	"	"	"	"	"	117	38	0	"	18	T	5	56	0.3	5.5	"
"	83134	4/45	"	"	"	"	"	116	8	0	27	10	20	0	51	0.2	1.1	3.4
"	54769	3/49	"	"	"	"	"	70	25	0	0	10	T	0	37	0.1	3	"
"	60130	7/47	Sec. 8, T.27N, R.9E	Gray Mt. Irad. Post	Spring	"	"	618	75	19	55	42	136	0	290	0.75	15	0.75
"	50482	10/47	"	"	Well	1300	"	1110	180	75	53	324	175	0	293	0.2	44	0.3
"	48445	5/48	"	"	"	"	"	72	14	3	0	3	8	0	44	0.2	2.8	"
"	48729	8/46	Sec. 29, T.19W, R.12E	Raymond Ranch	"	"	"	651	38	30	53	15	250	0	211	0.2	20	0.6
"	55259	7/49	Sec. 17, T.8E, R.22N	B. Hill & D. Park Water	"	"	"	110	23	0	T	2	T	0	85	0.2	3.0	"
"	52614	8/48	T.25N, R.8E	Gray Mts. Station	"	"	"	899	52	11	196	70	210	0	354	2.5	10.6	"
Florence	44451	4/43	Sec. 25, T.4S, R.9E	Internment Camp	"	300	50	716	110	0	127	198	94	0	226	1.1	16	4.1
"	46239	9/44	"	P.W. Camp	#2	312	56	934	108	29	144	226	116	0	281	"	22.7	1.3
"	44306	2/43	Sec. 36, T.4S, R.9E	Co. Hosp. City Tap	Well	368	78	570	84	0	96	145	50	0	194	1.5	12.3	1.1
"	47295	7/45	Sec. 5, T.4S, R.13E	Spring	"	12	11	1049	106	27	155	217	196	0	317	1.2	21	1.7
"	54711	3/49	Sec. 19, T.6S, R.15E	W.F. Weyer	"	196	190	323	75	4	5	30	20	7	176	0.1	12	0.1
"	54710	"	Sec. 20, T.6S, R.14E	"	"	85	70	1064	158	4	150	226	T	0	525	0.6	23	1
"	44578	3/43	Sec. 1, T.5S, R.3E	State Prison	"	200	96	925	101	0	166	222	165	0	228	"	14.7	1.6
"	45149	9/43	Sec. 7, T.5S, R.10E	"	"	230	"	896	97	17	162	233	190	0	231	"	15	1.7
"	49740	6/47	Sec. 33, T.5S, R.10E	Cactus Forest Reh.	"	"	"	405	60	3	52	32	52	5	200	1.02	9.5	0.9
"	48921	10/46	Town site	Arizona Edison	"	"	"	592	64	27	81	161	55	0	200	1.26	15.8	1.3
"	49734	6/47	Sec. 1, T.5S, R.9E	"	"	"	"	585	73	4	108	153	51	0	195	1.06	11.6	1.5
"	83738	9/45	"	"	"	615	"	627	60	11	124	158	70	0	204	1.5	17.3	2.0
"	46970	4/45	Sec. 33, T.7S, R.10E	Glemens Cattle Co.	"	440	420	539	13	3	161	147	42	0	172	0.75	2.6	12.4
Florence Jct.	49241	6/47	Sec. 16, T.2S, R.10E	"	"	350	"	496	50	8	85	74	22	229	0.05	2.2	1.7	"
Forestdale	52371	5/48	T.6N, R.20E	Trading Post	"	72	"	295	38	8	92	22	T	T	124	1	7.5	2.4
Ft. Apache	46809	9/46	Sec. 23, T.5N, R.23E	Recreation Hdqts.	Spring	"	"	371	66	6	26	12	9	0	255	0.1	10.4	0.4
Ft. Grant	54779	3/49	Sec. 25, T.9S, R.23E	Industrial Sch.	"	"	"	292	15	0	44	30	T	0	163	0.3	2	4.3
Ft. Huachuca	49861	5/47	Sec. 3, T.22S, R.20E	Post Supply	Well	700	475	356	46	2	35	17	0	0	248	0.6	8.9	0.2
"	53269	10/48	RR Spur & Hwy. 92	"	"	"	"	417	83	8	14	16	25	0	266	0.8	14	0.2
"	48953	11/46	Sec. 2, T.5S, R.23E	Cecil Atcheson	"	"	45	213	37	3	16	14	10	0	132	0.62	6.1	0.4
"	48955	"	"	Pat Acheson	"	"	"	208	33	3	21	22	10	0	118	0.68	5.5	0.6
"	51187	3/48	Pump nr. Sam Brown hse.	Ft. Thomas Canal	"	56	37	1368	120	15	287	416	190	0	330	"	21.5	2.5
"	51062	2/48	Sec. 2, T.5S, R.23E	M.C. Herbert	"	52	33	2866	502	68	392	1116	520	0	238	0.6	90	0.77
"	47514	6/45	"	W.C. Rhoads	"	56	49	206	31	4	20	16	10	0	123	0.6	9.5	0.6

Hayden	49735 44216	6/47 1/43	Sec. 14, T. 5S, R. 15E	Kennicut Corp. Indian Irrig. Serv.	Well Tower	100 -	-	1017 731	122 72	14 20	177 122	192 151	218 121	0 0	393 265	1.3 -	21.2 25	1.4 1.7
Hayden Jet.	49738	6/47	Sec. 15, T. 5S, R. 15E	Piper Springs Community	Springs Well	-	-	426 303	87 18	14 1	5 15	24 27	27 0	0 0	268 219	0.52 0.05	16.1 11.6	0.1 0.02
Heber	46380	9/44	T. 12N, R. 16E			400	-	322	49	11	19	16	T	0	227	2.2	9.8	0.4
Hereford	49765 5329	6/47 10/48	Sec. 10, T. 23S, R. 22E	Boquillas Cattle Co. Post Office	" "	-	-	237 217	68 263	4 45	5 65	24 190	T 170	0 0	195 172	0.2	11	0.1
Higley	44031 B1837 B1409	10/42 7/44 -	Sec. 19, T. 2S, R. 9E	Ellsworth Bros. -- --	" " "	600 115 -	-	1158 1170	66 203	4 56	19 40	16 492	T 120	0 0	195 127	0.2	11	0.4
Hillside	48254 51642 51643 51646 51647	3/46 5/48 " " "	Sec. 32, T. 13N, R. 6W	Mrs. R.A. Eryan W.S. Carson -- -- --	" " " " "	135 85 90 45 24	85 -	719 156 325 45	16 8 135 60	16 8 11 11	40 32 35 329	195 37 126 230	37 T 25 150	0 0 0 0	260 21.2 261 527	0.98 1.2 1	26.6 8.5 22.5	0.2 0.71 0.26
Holbrook	51647 45048 51592 83745 17895	6/47 10/43 5/48 9/45 11/45	Sec. 11, T. 17N, R. 20E	Fred Bentley Jose DeWitt -- -- --	" " " " "	150 10 -	-	117 1756	118 190	1 8	T 439	120 532	0 0	0 0	537 375	1.3	17.2	5
"	83745	9/45	--	Holbrook " City Water	" "	-	-	590 40	60 34	70 70	34 60	64 178	150 22	0 -	212	0.4	16.8	1.2
"	48127	1/46	Sec. 6, T. 17N, R. 21E	R.P. Hutchison	"	180	12	2022	104	39	551	775	301	0	2572	0.3	24.6	5.3
"	17455	5/48	Sec. 10, T. 18N, R. 22E	John Jones	"	35	16	2868	27	2	982	828	433	18	697	1.3	44.4	36.4
"	48549	3/46	Sec. 17, T. 18N, R. 18E	R. Kemorothy	"	25	-	2688	220	44	654	1060	300	0	440	0.35	42.7	3
"	47749	10/45	Sec. 2, T. 18N, R. 17E	John McLaws & Sons	"	-	-	2544	106	53	733	1085	300	4	263	0.3	28.3	6.92
"	48997	9/46	Sec. 10, T. 17N, R. 21E	Mrs. John Mocho	"	200	-	1835	99	20	497	632	159	0	448	0	19.3	5
"	51294	2/49	Sec. 22, T. 18N, R. 19E	Harvey Randall	"	310	20	3949	950	15	39	1200	442	0	232	0.7	47.5	0.04
"	48126	1/46	Sec. 19, T. 18N, R. 21E	R.C. Sparlock	"	150	75	2165	308	12	388	431	942	0	83	0.7	47.8	1.2
"	53531	12/48	Sec. 36, T. 19N, R. 20E	"	"	400	-	1019	23	0	276	174	74	0	471	1	3	12
"	46196	8/44	Sec. 8, T. 17N, R. 20E	Mike Valdez	"	-	-	480	49	21	69	108	72	0	161	0.3	12.2	1.4
"	48719	7/46	Sec. 11, T. 17N, R. 20E	Tom L. Vipond	"	-	-	1392	150	66	230	385	332	0	249	0.4	34.8	1.8
"	52069	7/48	T. 17N, R. 22E	F.A. Steen	"	75	50	1571	23	4	474	232	280	55	488	2.1	44	20
"	43918	9/42	Sec. 10, T. 17N, R. 20E	Whiting Bros.	"	-	-	850	104	32	110	134	244	0	226	-	23.2	1
Hope	51698	5/48	Sec. 4, T. 5N, R. 14W	City Water	"	-	-	497	22	11	113	80	50	0	220	1.25	6	5
Horn	49807	6/47	Sec. 35, T. 5S, R. 12W	S.F. RR	"	200	-	558	33	12	173	155	86	0	132	3.9	7.7	4.1
"	B174	6/43	--	U.S. Army, Horn #2	" #16-1	-	-	528	0	4	173	132	90	4	100	4.2	0.9	-
"	B131	5/43	--	"	"	-	-	530	0	8	167	134	90	4	104	4	1.8	-
Houck	45350 52660	1/44 8/48	Sec. 30, T. 22N, R. 29E	S.S. Willcox E.A. Frick	" "	-	-	1307	0	0	401	18	160	98	630	-	-	-
House Rock	52619	-	Sec. 35, T. 39N, R. 3E	--	Spring	-	-	718	98	4	106	54	197	0	254	0.2	14.4	1
Rumbolt	51634	5/48	Sec. 14, T. 13N, R. 1E	A.C. Chemas	Well	55	48	1130	315	27	T	110	475	0	200	2.6	52.6	-
"	51635	-	--	S. Den Mine, I. King Beh	"	-	-	333	60	4	25	24	50	0	190	0.45	9.7	0.4
Bunt	45217	9/42	Sec. 11, T. 14N, R. 25E	Geo. F. Willett	"	-	-	648	59	7	196	213	38	0	185	-	9.3	3.3
"	47806	11/45	Sec. 16, T. 14N, R. 22E	Otto Palmer	"	-	-	441	39	8	100	72	63	5	163	0.3	6.4	3.3
"	48586	9/46	Sec. 12, T. 14N, R. 25E	"	"	-	-	445	68	5	58	74	63	0	177	0.42	11.1	0.8
"	51263	4/48	Sec. 27, T. 14N, R. 25E	Stubblefield	"	-	-	792	60	8	230	104	175	0	215	0.6	10.7	4.8
"	52072	4/48	--	Henry White	"	-	-	588	75	16	92	60	150	0	195	0.45	15	1.2
Hyder	49817 89 B10 B65	6/47 3/43 4/43 7/48	T. 14N, R. 25E Sec. 2, T. 5S, R. 11W -- -- --	Carl Pace S.P. RR U.S. Army -- --	" " #1 " #1 " #2 " #2 " #2	240 269 -	Flowing 72 -	444 761 588	53 58 4	4 3 4	76 204 275	84 275 114	50 114 108	T 0 12	171 107 83	0.6 0.37 4.6	8.7 9.2	1.4 3.5
"	32228	7/48	Sec. 2, T. 5S, R. 11W	S.P. RR	New Well	-	-	617	0	2	216	194	108	12	85	4.8	0.46	-
Hyde Park	51674	5/48	Near Pico, Hwy #66	A.T. & S.P. RR	"	400	65	611	38	4	24	268	134	0	122	1.5	6.5	0.6
Indian Hot Springs	B2857	3/45	Sec. 17, T. 5S, R. 24E	House Supply	Spring	-	-	3137	75	9	1084	1440	410	5	115	4	12.7	14.5
Inspiration	55408	5/49	Sec. 23, T. 5N, R. 14E	Consol. Cop. Co.	Well	-	-	299	23	11	32	6	T	0	227	0.1	6.1	1.4
Iron Springs	51637	5/48	Sec. 15, T. 14N, R. 3W	I. S. Club	Well	75	15	347	60	8	21	16	20	0	220	2.5	10.7	0.6

*Analyses in parts per million, and hardness in grains per gallon

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.)		Total soluble salts	Cal-cium	Mag-nesium	Sodium	Chloro-rides	Sul-phates	Carbon-ates	Bicar-bon-ates	Fluorine	Hard-ness	Na/Ca
						of well	to top											
Jacobs Lake	52611	8/48	--	Kai bab Lodge	Springs			61	8	4	T	10	T	0	37	0.2	2.1	0
Jaynes	52528	7/48	Sec.17, T.13S, R.13E	S.F. RP	Well	65	32	1107	180	4	147	102	412	0	256	0.3	2.1	0
"	45355	1/44	Sec.16, T.13S, R.13E	Jaynes School	"	150	50	993	166	8	166	85	330	0	260	--	26.1	0.8
"	45356	1/44	Sec.17, T.13S, R.13E	Irrig. System	"	150	50	1126	183	7	139	24	380	0	333	0	28.4	0.76
Jermec	51744	3/49	Sec.23, T.16N, R.2E	Jermec City Water	"	-	-	478	83	4	41	58	T	0	312	13	-	-
Johnson	47776	10/45	Sec. 1, T.15S, R.23E	Coronado Copper Co.	"	-	-	1001	0	0	346	244	114	19	29	0.1	-	-
Joseph City	46379	9/44	--	Akins System	"	300	--	1724	69	25	513	719	152	5	246	0.45	16.1	7.43
"	51491	5/48	Sec.28, T.18N, R.19E	W.N. Brinkerhoff	"	120	Flowing	906	83	11	212	180	275	60	85	0.75	15	2.5
"	51493	5/48	Sec.21, T.18N, R.19E	"	"	-	-	1239	83	11	306	244	375	0	220	0.75	15	3.7
"	43983	10/42	NE cor. of Ranch	Wallace Crawford	"	-	-	738	69	20	138	187	114	0	210	-	15.2	2
"	43984	9/44	NW of Hdq.	"	"	-	-	761	70	22	138	171	120	0	240	-	15.8	2
"	51121	3/48	Sec.15, T.18N, R.19E	Harvey Hansen	"	300	20	1427	45	4	493	396	175	0	310	2.75	7.5	11
"	43985	10/42	S. of Hdq.	H.S. Howard	"	95	Artesian	763	58	32	139	170	122	15	229	-	16.5	2.4
"	46378	9/44	--	"	"	125	-	762	70	23	137	174	124	0	294	-	16.1	2
"	49532	5/47	Sec.26, T.18N, R.19E	McLaws Well	"	-	-	1592	73	30	415	446	255	0	359	0.65	21.34	6.68
"	50001	7/47	--	Aiken Smith	"	-	-	1592	73	30	415	446	255	0	373	0.45	17.9	5.7
"	49959	6/47	Sec.16, T.18N, R.19E	E.E. Swan	"	203	1 1/2	722	59	17	149	99	0	204	0.35	12.5	2.54	-
"	47804	11/45	T.18N, R.19E	Village Store	"	300	80	1889	315	10	345	850	167	0	202	0	47	1.1
"	52824	9/48	Sec.16, T.18N, R.18E	Harvey C. Lurley	"	160	130	3550	600	19	621	1560	450	0	300	T	9.2	1.9
Keams Canyon	47006	5/45	Sec.16, T.28N, R.20E	Springs & Well	Well	47	-	435	77	14	22	32	58	0	231	1.2	14.6	0.3
Kelvin	47405	8/45	Sec.21, T.18S, R.11E	Ernest Bass	"	43	31	2455	165	62	463	645	370	0	448	2.4	39	2.8
"	46455	10/44	Sec. 5, T.9S, R.13E	Helen D. Johnson	Mt. spring	-	-	2649	210	7	709	880	-	-	62	3.5	32.3	-
"	49739	6/47	Sec. 1, T.18S, R.13E	Hauled from Ray	"	-	-	3163	624	42	257	777	1970	0	237	0.34	101.1	0.4
Kingman	51669	5/48	Townsite	A.T. & S.F. RR	Well	-	-	465	75	26	14	48	50	0	251	0.6	17	0.2
"	48173	2/46	Sec.12, T.21N, R.20W	Albert Crowell	"	45	35	627	96	14	72	65	60	0	389	0.6	15.9	0.8
"	47653	10/45	Sec.29, T.31N, R.16W	Dinoach Spring	"	-	-	619	58	46	55	99	71	T	289	0.65	19.6	0.95
"	48361	4/46	Sec.31, T.28N, R.18W	Dolan Spring	"	-	-	326	48	10	24	43	14	8	174	0.43	10.6	0.5
"	51665	5/48	T.19N, R.19W	L.L. Edgerton	Well	-	-	468	53	8	44	44	20	0	298	0.85	9.7	0.8
"	48359	4/46	Sec. 9, T.28N, R.16W	Iron Spring	"	-	-	618	80	18	66	52	55	T	340	3.8	16	0.8
"	48358	"	Sec.27, T.29N, R.16W	Kanahatta Spring	"	-	-	592	86	20	57	43	33	39	313	1.8	17.4	0.7
"	48363	"	Sec.36, T.29N, R.17W	Kanahatta Spring	"	-	-	592	87	17	66	49	32	298	3.4	15.0	1	
"	45443	10/43	Sec.34, T.22N, R.17W	Army Air Field	Well #1	240	100	495	80	32	T	17	0	345	-	19.4	-	
"	45444	"	"	"	" #2	190	100	474	71	34	T	21	19	0	329	-	18.5	-
"	45446	"	Sec. 3, T.21N, R.17W	"	" #3A	175	55	362	54	27	T	16	13	0	252	-	14.4	-
"	45445	"	"	"	" #3	186	55	368	64	21	T	19	16	0	248	-	14.4	-
"	45447	"	Sec.12, T.17N, R.18W	"	" #M	900	-	343	32	15	38	48	29	0	175	-	9.2	-
"	51668	5/48	--	Donald George	Well	250	70	392	67	4	30	44	25	0	251	0.75	10.8	0.5
"	43669	7/42	Sec.10, T.21N, R.20W	E.A. McVicar	"	-	3	1460	225	30	167	90	650	0	398	1.3	40.5	0.7
"	45886	6/44	Sec.16, T.20N, R.17W	M.F. Paup	"	-	-	91	21	0	0	16	17	0	235	1.9	-	-
"	45813	5/44	Sec. 5, T.16N, R.13W	Harold Saunders, S.R.	" #1	136	26	4834	186	88	1254	691	1950	0	665	-	29.4	6.74
"	45839	"	"	"	" #2	70	34	1182	8	2	46	50	25	0	260	-	11.7	-
"	51664	5/48	Sec.16, T.19N, R.19W	L. Floyd Spidell	Spring	-	-	452	75	4	50	25	0	251	0.8	11	0.6	-
"	47654	10/45	Sec.20, T.31N, R.16W	Spring Holy Name	"	-	-	589	52	50	51	116	21	0	258	0.7	19.6	0.98
"	51666	5/48	"	Summit Serv. Sta.	Well	-	-	424	60	8	46	40	20	0	249	0.85	10.6	0.7
Kirkland	51640	5/48	Sec.12, T.12N, R.4W	W.M. Kohske	"	92	78	663	90	11	78	50	75	0	359	0.7	16	0.27
"	51684	"	"	E.T. Potter	"	1110	-	395	68	11	23	48	T	0	244	0.65	13	0.34
"	54727	1/49	Sec. 5, T.9N, R.5W	Hayes & Zwang Pch.	"	950	750	420	83	0	37	50	73	0	178	4	12	0.4
Klondyke	49642	4/47	Sec.27, T.7S, R.20E	M.J. Baby	"	70	15	164	21	3	20	12	10	0	93	0.17	3.8	1
"	49445	"	Sec.16, T.18, R.20E	"	"	100	73	338	45	3	42	18	10	0	210	0.23	7.3	0.9
Kyrene	31512	-	Sec.28, T.18, R.10W	Kyrene School	"	-	-	1128	105	53	203	450	90	0	227	0.1	27.9	1.9
"	01074	4/49	Sec. 9, T.18, R.4E	John W. Kerr	"	165	-	1732	143	34	-	-	-	-	-	0.2	29	-

Lake Mary	49892	6/47	Sec. 18, T.20N, R.8E	Lake Mary	Spring	286	38	14	14	0	0	2	218	0.15	8.9	0.4	
Lake Meade	48360	4/46	Sec.23, T.32N, R.16W	Pierce Ferry	Well	888	95	29	14.0	119	309	2	194	0.37	20.6	1.5	
Lakeside	83611	8/45	--	J.C. Hansen	"	219	45	11	3	12	10	0	168	0	9.3	-	
"	52067	5/48	Sec.25, T.2N, R.22E	Lakeside	"	308	60	4	32	24	35	60	88	0.6	10	0.5	
"	52068	7	"	" Water Supply	"	149	30	8	T	20	T	12	73	0.9	5.4	0	
Lavoen	0132	5/48	Sec.10, T.1S, R.2E	E.R. Benizer	"	2250	113	45	-	-	-	-	-	27.5	1.6	6.2	
"	88144	9/47	Sec. 5, T.1S, R.2E	Water W. Jones	"	2598	105	8	653	696	490	0	508	28.8	1.6	-	
Lebanon	45661	4/44	Sec.10, T.2N, R.2E	Walter W. Jones	"	1811	6	0	0	651	698	6	208	7.5	0.9	108.5	
Lehman, Mt.	49342	2/47	Sec.31, T.12S, R.16E	Federal Prison Camp	Spring	59	4	0	14	8	T	0	33	0.4	0.6	3.5	
"	49940	6/47	"	"	"	201	22	2	32	17	0	0	128	0.3	3.5	1.4	
"	47004	2/45	Sec.15, T.11S, R.16E	Randolph Jenks	"	84.5	165	18	47	33	26.0	0	319	3	28.4	0.3	
"	51735	6/48	T.13S, R.14E	Edmund E. Kent	"	232	4	T	59	8	T	0	151	0.2	0.5	15	
"	50345	9/47	T.11S, R.16E	Marshal Gulch	"	113	8	0	0	30	36	T	0	59	0.25	1.2	
"	53343	10/48	"	M.A. Faal	"	174	23	0	41	8	T	0	102	T	3	2	
"	"	7/49	Ruben's Cabine	Pisanes Springs	"	230	8	25	115	50	0	0	109	0.9	1	0.8	
"	"	"	"	Palisades R. Sta.	"	96	16	4	7	20	T	0	49	1.3	3.3	0.5	
"	"	"	"	Federal Prison Camp	"	17	15	4	0	8	T	0	20	0.3	3	0.0	
Leupp	50174	8/47	T.22N, R.13E	R.J. Kykstra	Well	1605	90	22	437	50	20.0	0	354	T	18	4.8	
Liberty	D927	-	Sec. 6, T.1S, R.2W	School	"	749	23	15	206	194	12C	10	181	2.2	6.9	9	
"	0115	5/48	Sec. 9, T.1N, R.2W	J.G. Duoren	"	1447	165	71	205	370	420	12	188	--	41	1.2	
"	88261	8/47	Sec. 6, T.1S, R.2W	L.V. Jarnagin	"	300	-	305	15	11	57	0	166	1.6	4.9	4.0	
"	0129	5/48	Sec.34, T.1N, R.2W	Wayne King	"	140	-	1271	15	8	418	452	110	0	26.8	4.4	
Ligurta	40815	6/47	Sec. 3, T.9S, R.23W	Edw. J. Kile	"	870	170	689	49	3	177	0	442	0.82	7.9	3.6	
Lindan	95106	5/49	Sec. 8, T.10N, R.21E	Elise Smith	"	120	75	26	23	0	64	68	T	127	0.1	3.7	2.8
Litchfield Park	45681	7/42	Sec.16, T.1N, R.1W	Goodyr. Aircraft	#2	330	43	271	65	2	8	36	18	0	11.2	0	
"	44181	1/43	"	"	#3	312	204	1786	174	4.6	34.2	44.4	53.0	0	28.0	36.9	
"	47358	7/45	Sec.18, T.2N, R.1W	Litchfield Dev.Co.	Well	-	-	497	52	14	82	76	104	7	151	1.1	
"	47359	-	Sec.21, T.2N, R.1W	"	"	-	-	534	65	26	57	101	62	4	209	0.7	
"	8875	-	--	Westwood Manor	"	-	-	273	8	26	31	22	20	0	159	0.5	
"	E1198	1/44	--	"	"	-	-	235	23	15	38	26	20	0	173	0.2	
"	0869	1/49	Sec. 8, T.1N, R.4E	F.E. Romar	"	156	-	442	8	2	-	-	-	-	9.5	2	
"	01004	4/49	Sec.13, T.2N, R.1W	Goodyear Rubber Co.	"	992	-	318	53	8	33	36	20	0	198	-	
"	01005	"	Sec.21A, T.2N, R.1W	"	"	436	-	686	53	26	116	92	150	0	246	-	
"	01006	"	Sec.21B, T.2N, R.1W	"	"	200	-	1149	143	56	14.0	302	21.0	0	29.8	-	
"	01007	"	Sec.23A, T.2N, R.1W	"	"	502	-	416	30	8	87	86	20	0	185	-	
"	01008	"	Sec.27A, T.2N, R.1W	"	"	274	-	1229	135	53	163	236	21.0	0	432	-	
Littlefield	52320	6/49	Sec. 7, T.40N, R.15W	Beaver Dam Lodge	"	-	-	513	68	8	74	48	150	5	156	0.6	
"	53321	-	"	Beaver Dam Creek	"	-	-	771	33	152	142	125	142	7	132	0.7	
Lochiel	46562	11/44	Sec.21, T.2S, R.17E	Lochiel School	"	-	25	358	72	4	22	10	23	2	220	0.05	
Lonesome Valley	-	-	Sec.14, T.16N, R.1W	Nick Perkins	"	-	60	282	4.8	17	T	19	0	0	196	-	
Long Valley	52066	6/48	T.16N, R.11E	Clint's	Old	23	10	277	68	4	T	16	25	0	159	0.8	
Lowell	53263	-	--	Neco Water	"	-	-	310	83	4	T	16	T	0	204	0.2	
Lower Miami	1517	5/49	Sec.30, T.1N, R.15E	Citizens Utility	Well #1	153	-	455	60	15	4.8	14	208	0	100	0.5	
Luke Field	44699	4/48	Sec. 4, T.2N, R.1W	Luke Field	"	501	96	444	124	0	6	93	4.8	0	173	-	
"	47417	8/45	"	"	"	502	102	758	14.5	39	4.5	272	9.6	0	158	0.2	
"	48510	6/46	"	"	"	501	107	916	164	30	63	314	153	0	168	0.2	
"	44700	4/43	"	"	"	501	100	311	39	16	24	33	20	0	179	-	
"	47418	8/45	"	"	"	500	96	364	4.8	15	33	48	25	0	192	0.3	
"	48541	6/46	"	"	"	501	107	359	4.9	17	26	44	21	0	196	0.2	
"	44701	4/43	"	"	"	500	88	330	74	0	18	37	26	0	175	-	
"	47419	8/45	"	"	"	501	95	437	64	18	40	89	41	0	182	0.25	
"	48542	6/46	"	"	"	505	105	403	59	17	34	70	30	0	183	0.2	
Lupton	52661	8/48	Sec.33, T.23N, R.31E	O.B. Smith	Well	76	-	236	150	4	530	51.0	202	0	739	0.9	
McNary	47996	10/45	Sec.30, T.2S, R.24E	City Water	"	-	-	161	40	0	2	10	0	0	279	1.1	
McNeal	49096	1/47	Sec.21, T.21S, R.26E	Mrs. M.S.Lenkford	"	-	-	30	435	42	11	62	25	16	0	18	0.5
"	51590	6/48	Sec.11, T.2S, R.26E	Roy Ligon	"	105	27	1012	157	15	124	160	300	0	256	0.95	

Chemical Composition of Arizona Waters

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*Analyses in parts per million, and hardness in grains per gallon.

Miami	40588	-	--	Arizona Edison	Well	-	-	54.0	126	24	8	20	24.0	0	122	-	24.4	0.06
	11060	-	--	" #1	"	-	-	64.2	102	12	74	10	400	0	144	-	17.8	0.7
Midvale Area	47811	11.45	Sec.35, T.14S, R.13E	E.L. Rogers	Well	-	-	2066	362	46	203	285	773	0	366	0.6	65.9	0.7
"	48624	2/49	Sec.34, T.14S, R.13E	"	"	-	-	333	128	"	4	104	44	0	324	1.1	19.4	1.7
"	54477	2/49	---	"	"	-	-	64.9	45	11	142	114	130	0	200	0.9	20	0.8
Mobile	81393	2/44	Sec.29, T.4S, R.1E	"	"	-	-	64.9	45	11	142	114	130	0	207	0.6	9.2	3.2
Mocoasin	52606	8/48	Sec.19, T.40N, R.5W	Rulon Langston	"	125	--	679	180	15	T	80	150	0	254	0.6	30	--
"	52610	8/48	Sec.17, T.40N, R.4W	Pipe Sp.Natl.Mon't	Spring	--	--	499	38	4	92	76	T	0	244	0.3	6.5	2.4
"	52613	8/48	Sec.31, T.41N, R.4W	"	"	--	--	181	22	4	21	20	T	0	110	0.2	4	1
Moenkopi	47794	10.45	---	"	Spring	--	--	210	24	4	27	16	T	0	139	0.25	4.4	1
Morenci	52419	8/48	T.32N, R.11E	L.E. Reber	Well	-	-	913	53	8	4	255	290	0	264	1.65	18.8	5
"	54717	3/49	Eagle River	City Water	"	466	-	440	60	11	46	46	35	10	227	1.2	12	0.8
Morristown	85507	5/47	T.2N, R.3, or LW	Fasquoletti	"	-	-	54.0	38	15	106	76	120	0	185	2	9.1	2.8
Naco	49767	6/47	Sec.18, T.24S, R.24E	Country Club	Well	222	93	335	61	7	18	22	T	T	227	0.08	10.6	0.3
National City	55118	6/49	Sec.36, T.14S, R.13E	City Water Co.	"	221	-	565	120	4	71	24	153	5	188	14	19	0.6
Nawajo	52682	8/48	Sec.15, T.20N, R.26E	Mrs. H.E. Silver	"	135	-	1249	83	8	276	94	258	0	530	0.2	46.1	3.3
"	52070	5/48	---	"	"	135	-	83	8	8	338	340	516	0	586	1	4	1
New River	51625	5.48	Sec.34, T.7N, R.2E	Bond Evans	"	42	40	583	90	11	51	50	50	0	351	0.45	16	0.6
"	47797	11.45	---	New River	"	-	-	490	60	34	21	26	25	12	312	0.5	19.3	0.3
"	053	4/48	Sec.30, T.7N, R.3E	Helen W. King	"	22	-	604	75	26	45	26	10	0	422	0.44	17.2	0.6
Nicksville	53262	6/48	1 1/2 mi. W. San Pedro R.	Parmalee Spring	Spring	--	--	611	145	11	T	16	70	0	371	0.2	23	--
Nogales	49795	10.47	Sec.19, T.23S, R.14E	Airport	Well	400	-	786	121	42	41	31	300	0	251	0.1	22.8	0.3
"	49458	3/47	Sec.15, T.23S, R.14E	June L. Pahl	"	370	65	115	19	0	25	15	12	0	80	1.5	2.8	1.5
"	48051	1/46	Sec. 2, T.24S, R.16E	Bonanza Mine Shaft	"	635	500	822	212	20	17	3	3	0	418	0.45	35.7	0.08
"	48408	5/46	Sec.35, T.23S, R.14E	City Water Supply	"	408	70	5	34	20	20	20	20	0	239	0.37	11.4	0.5
"	49758	6/47	Sec.17, T.24S, R.14E	Lincoln School	"	443	80	8	28	18	53	0	256	0.29	13.6	0.4	0.4	0.4
"	50996	11.47	Sec.25, T.23S, R.14E	City Water	"	-	29	439	75	8	30	20	20	0	285	0.35	13	0.25
"	44929	8/43	Sec. 1, T.24S, R.16E	W.C. Humphery	"	30	20	1241	244	55	19	18	500	0	405	0.5	49.4	0.8
"	44015	10.42	Sec.15, T.23S, R.13E	Levy	"	-	-	376	64	3	33	29	T	0	247	-	10.1	0.5
"	44016	10.42	Sec. 9, T.23S, R.13E	Bruce Strong	"	-	25	302	51	1	30	13	40	0	167	-	7.6	0.6
"	52122	7/48	Sec.31, T.19S, R.13E	Rosalia Carrizana	"	-	-	601	50	8	2	30	162	0	246	24	0	0
"	52106	7/48	Sec.18, T.24S, R.13E	Nielson Brown	"	43	17	430	67	8	44	50	20	0	244	0.2	11.2	0.6
Nutriso	48836	9/46	Sec.32, T.7N, R.30E	Ernest Wilkins	"	12	-	411	58	1	57	21	5	18	250	0.28	8.7	1
Odman	51667	6/48	Sec.23, T.19N, R.20W	Reed Gold Mine Co.	Spring	--	--	232	60	8	21	40	20	0	173	0.8	10.6	0.3
Olberg	51622	5/48	Sec.42, T.4S, R.6E	Olberg Trading Post	Well	145	-	2251	270	15	340	1000	275	0	329	2.1	43.6	1.25
Oracle	49527	11.45	Sec. 2, T.18S, R.16E	John Murphy	"	-	-	487	150	4	69	20	T	0	254	0.2	2.3	0.5
"	49732	6/47	Sec.19, T.10S, R.14E	Walnut Survey Sta.	"	600	-	302	48	13	0	0	0	0	217	0.08	16.3	0.8
"	49728	6/47	Sec.36, T.9S, R.15E	Oracle School	"	55	-	650	98	18	55	64	27	0	366	1.84	18.6	0.6
"	47985	12.45	Sec. 5, T.10S, R.16E	Geo. Peterson	"	12	Spring	624	75	17	70	33	33	T	394	2	0	0.9
"	49585	4/47	Sec.26, R.15E	Sunset Pt. Guest Hch	"	182	52	653	81	21	70	55	57	0	368	5.7	16.9	0.9
"	55151	6/49	---	Lloyd K. Besteen	"	130	-	335	83	0	9	22	35	14	188	2	12	0.1
Orabi	47011	5/45	Sec.33, T.29N, R.16E	High School	"	650	-	1073	5	0	345	193	120	21	383	6	0.7	69
"	50415	9/47	Sec.33, T.29N, R.16E	"	"	350	-	1735	17	4	34	280	250	0	659	4.6	34	30.5
"	46835	3/45	---	Pumping Station	"	350	-	1035	15	0	0	2	15	0	233	4.2	16.3	168.5
"	0361	7/48	Sec.30, T.8N, R.4W	Oro Grande Mine	"	330	-	372	75	23	37	4	4	0	244	1.6	2.4	0.5
Overhead	49744	6/47	Sec.34, T.8S, R.12E	Service Station	"	50	-	616	67	46	32	21	20	24	405	0.59	20.8	0.5
Palo Alto	45706	4/44	Sec. 1, T.18S, R.10E	C.R. Britten	Well	20	17	647	104	26	47	50	220	0	199	0.8	21.4	0.45
"	44501	4/45	Sec.35, T.17S, R.9E	D.M. Field Bomb. Rng.	"	416	264	276	58	0	14	14	T	0	90	-	8.5	0.21
"	47233	6/45	Sec. 1, T.18S, R.10E	D.L. Peters	"	90	20	562	44	31	74	50	94	7	251	0.7	15.9	1.7
Palmadina	53267	10.48	0.2 mi. W. San Pedro R.	Berga	"	90	-	315	15	8	2	16	T	0	230	0.2	13	-
Pantano	48630	7/46	Sec. 8, T.18S, R.17E	E.P. Hilton	"	--	--	5196	1090	192	87	82	442	0	344	-	205.2	0.1
"	47406	8/45	Sec. 9, T.18S, R.18E	J.F. Vaughn	"	350	60	2630	106	56	666	503	740	0	557	-	29	6.3
"	52189	7/48	S.P. milepost 1012.6	S.P. RR	"	61	39	673	135	11	37	64	121	0	303	0.7	20	28.7
Papago Ind. Res.	44737	5/43	T.19S, R.1E	Clarence P. Kinkor	"	400	-	376	0	0	128	58	27	3	145	1.7	0	-
Parker	44377	3/43	Sec.11, T.10N, R.19W	Parker Water Works	"	-	-	734	128	0	108	190	142	0	184	1.5	19	0.84

*Analyses in parts per million, and hardness in grains per gallon

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.)		Total soluble salts	Calcium	Magnesium	Sodium	Chlorides	Sulphates	Carbonates	Bicarbonates	Fluorine	Hardness	Na/Ca
						of well	to water											
Parler	47294	7/45	Sec. 14, T. 9N, R. 14W	Ray Thompson	Well	-	-	619	44	9	127	103	10	0	326	-	8.6	2.9
"	52193	7/48	--	Griffith	"	-	-	627	68	14	138	222	40	0	154	0.9	10	2.2
"	52075	6/48	Sec. 22, T. 22N, R. 4E	"	"	-	-	205	30	12	7	20	0	0	132	0.6	7.4	0.2
Parks	49778	6/47	Sec. 7, T. 22S, R. 16E	Grade School	"	100	-	1014	201	24	36	494	14	0	244	0.09	35	0.5
Patagonia	49757	"	"	High Sch (RR. well)	"	240	-	753	146	14	45	19	268	0	261	0.28	24.7	0.3
"	48106	1/46	Sec. 3, T. 21S, R. 16E	R.C. Jeffcott	Spring	-	-	1035	185	42	44	8	51	0	242	0.22	37.7	0.2
"	48109	"	"	"	"	-	-	1003	180	40	48	8	50	0	227	0.22	35.9	0.3
"	48232	3/46	Sec. 3, T. 21S, R. 16E	"	"	-	-	1158	190	40	85	7	600	0	243	0.3	37.3	0.4
"	48843	9/46	Sec. 3, T. 21S, R. 16E	"	"	-	-	978	207	42	13	11	559	0	144	0.5	40.3	0.1
"	48108	1/46	Sec. 4, T. 21S, R. 16E	Rail X Ranch	Well	-	-	385	72	6	24	12	71	0	200	0.05	11.9	0.3
"	46672	3/45	Sec. 26, T. 20S, R. 11E	Edgar Rewsthorne	Surface	-	-	251	210	34	0	-	-	-	-	-	44.2	-
"	53766	2/49	Mine	Lady R.F. Ranch	"	-	-	857	145	0	23	14	4	0	144	2	39	-
"	53767	"	--	"	Well	275	100	251	45	0	23	14	4	0	173	0.2	7	0.5
"	54769	"	--	"	Spring	-	-	779	188	15	7	14	34	0	220	0.6	31	0.04
"	45139	10/43	Sec. 5, T. 22S, R. 15E	Wm. H. Sawyer	Well	244	150	1588	211	52	185	28	850	0	261	-	45.3	0.9
"	49867	9/47	Sec. 31, T. 21S, R. 16E	Lucy R. Stevens	Well	200	17	285	13	0	55	6	0	0	201	0	1.9	5
"	47429	8/45	T. 22S, R. 15E	3R Mine	Spring	-	-	104	16	1	16	14	45	0	12	-	2.5	1
Faulden	24767	3/49	Sec. 3, T. 11N, R. 2W	Post Office	Well	160	-	91	53	4	0	10	7	0	24	0.1	9	-
Paul Spur	53337	8/49	--	Alice Clarkson	"	-	-	148	68	0	60	12	2	0	312	0.1	10	0.9
Payson	48875	9/46	Sec. 18, T. 10N, R. 9E	Cobb	"	30	20	520	100	4	99	33	12	0	332	0.3	6.8	2.5
"	48874	"	"	Arthur Schaefer	"	30	20	463	73	20	17	15	7	0	338	0.1	15.5	0.2
"	52078	6/48	T. 10N, R. 10E	Denning Well	"	77	-	378	53	12	28	36	7	0	244	0.2	10.7	0.5
"	52077	"	"	"	"	-	-	384	60	8	37	36	30	12	195	0.4	10.7	0.6
Peach Springs	51673	"	S. 23, T. 25N, R. 11W	A.T. & S.F. RR	Spring	-	-	524	90	22	41	62	75	0	293	0.8	19	0.45
Pearce	48251	3/46	Sec. 34, T. 17S, R. 26E	Paul Riggs	Well	90	70	34	56	3	30	16	10	0	226	0.5	8.9	0.5
"	55573	6/49	"	W.O. Walters	"	200	-	258	25	4	44	30	7	0	151	5.5	4	1.9
Peoples Valley	51685	6/48	Sec. 19, T. 11N, R. 5W	School Well	"	28	-	258	60	8	32	36	0	204	0.55	10.6	0.5	3.9
Peoria	49849	6/47	Sec. 18, T. 4N, R. 1W	Ash by Serr. Sta.	"	320	-	352	22	5	75	28	54	12	155	0.4	4	1.5
"	49808	"	Sec. 22, T. 3N, R. 1E	Beardsley Water Co.	"	-	-	474	98	3	32	28	64	0	223	0.59	15	0.3
"	49852	5/47	Sec. 26, T. 3N, R. 1E	Chamber of Commerce	#2	312	-	320	34	13	44	11	23	12	143	0	8.1	1.3
"	49832	"	"	School	Well	-	-	415	56	20	44	112	0	0	142	0.17	13	0.8
"	61605	5/44	"	Ward Sch., Boswell	"	-	-	442	45	38	27	72	45	0	215	0.1	15.6	0.6
"	87992	7/47	Sec. 2, T. 2N, R. 1E	D.O. Easley	"	680	-	381	60	15	25	14	10	0	217	-	12.4	0.4
"	86990	2/47	Sec. 24, T. 4N, R. 1E	Grace Ranch	"	-	-	411	53	23	34	54	0	0	190	-	15.1	0.6
"	(See also "Arizona Co. Water Conservation Dist. #1" under Maricopa)																	
Perryville	5444	5/44	Sec. 16, T. 11N, R. 2W	Carman Well	Well	-	-	319	8	11	73	38	55	2	132	0.8	15.5	9.1
Petrified Forest	52663	8/48	Puerco Entrance	Natl. Park Serv.	"	50	-	907	38	0	223	126	84	0	561	0.7	5.5	5.9
Phoenix	86554	11/46	2832 W. Yuma	Acres Water Co.	"	-	-	592	26	26	67	82	90	0	299	0.4	16.4	1
"	88342	8/47	Sec. 24, T. 1N, R. 1E	Mahn Alley	"	93	-	2269	90	44	584	498	410	0	616	1.2	23	6.5
"	48364	4/46	Sec. 30, T. 2N, R. 4E	F.H. Anderson	"	-	-	2735	28	16	862	550	437	71	748	13	7.9	30.6
"	87749	6/47	Sec. 28, T. 2N, R. 3E	L.E. Archer	"	500	-	1153	75	49	230	314	200	0	285	0.6	27.7	3.1
"	81631	5/44	--	Arcadia Vista Water	"	-	-	865	60	60	129	212	160	12	292	1.1	23.5	2.1
"	46021	3/45	--	Ariz. State Hosp.	Verde R. Infiltration	-	-	464	70	16	38	25	55	0	263	-	14.1	0.5
"	82467	9/47	Sec. 33, T. 3N, R. 3E	Louis J. Bohn	Well	200	-	1149	15	8	337	272	110	5	444	4	4	22.4
"	85403	5/46	--	Ariz. Water Co.	"	-	-	867	68	8	210	210	80	0	289	0.1	11.7	3.1
"	8941	11/43	--	Antec Park	"	-	-	2222	53	68	607	658	470	5	361	5.2	23.9	11.4
"	81140	12/43	--	Bartlett Est.	"	-	-	863	53	38	165	198	130	0	281	1.5	16.6	3.1
"	82677	8/47	Sec. 26, T. 2N, R. 3E	Frank Beyer	"	86	-	2978	15	19	933	518	830	0	663	12	6.7	62
"	87014	2/47	Sec. 1, T. 2N, R. 3E	Biltmore Hotel	"	-	-	1074	25	11	304	192	90	29	485	7	6.1	13.2
"	88025	7/47	"	City	#26	300	-	1535	105	34	348	148	210	0	420	0.7	23.4	3.5
"	88026	"	"	"	#27	820	-	985	68	44	196	334	110	0	232	0.4	23.7	2.9
"	88022	"	Sec. 6, T. 1N, R. 3E	"	#28	1500	-	2020	180	64	381	536	430	0	489	0.4	44.5	2.1
"	88023	"	Sec. 4, T. 1N, R. 3E	"	#29	225	-	1129	90	34	145	266	240	0	354	0.4	21.2	1.6
"	88027	"	"	"	#30	400	-	943	60	26	214	264	90	0	239	0.2	15	3.5
"	88028	"	Sec. 12, T. 1N, R. 2E	"	#31	300	-	1875	165	60	362	526	330	0	432	0.3	36.4	2.2

Phoenix	B802d	7/47	Sec. 9, T.1N, R.3E	City	Well #32	300	-	1316	90	38	281		334	200	0	373	0.2	22.1	3.1
"	468d1	3/45	Verde R. Infiltration	"	"	-	-	461	70	16	32	25	55	0	0	263	-	14.1	0.5
"	52202	7/48	--	Herbert W. Bool	Well	-	-	831	68	23	122	268	140	0	0	305	0.3	16	1.8
"	B6550	11/46	--	E.R. Bowers	"	-	-	424	45	26	45	84	70	0	0	154	0.6	12.8	1.0
"	B7766	6/47	Sec. 4, T.1N, R.3E	Francis T. Brown	"	-	-	769	38	30	163	188	80	0	0	268	2	12.7	4.3
"	B8300	8/47	Sec.15, T.2N, R.3E	Albert Brygger	"	150	-	1702	15	26	508	454	150	T	0	549	10	8.5	33.8
"	B4447	2/44	Sec.31, T.2N, R.3E	Conv. Good Shepherd	"	-	-	335	23	26	35	50	25	0	0	176	0.4	9.8	1.5
"	B948	11/43	--	Cotton Gen.Labor Camp	"	-	-	1424	113	49	316	666	330	0	0	210	0.4	28.1	2.8
"	Q134	8/48	Sec.15, T.2N, R.3E	Dr. M. Deitchman	"	237	-	757	68	41	123	254	30	10	0	220	-	19.7	1.8
"	Q957	3/49	Sec. 8, T.1N, R.2E	C.A. Drave	"	250	-	1840	120	34	428	486	210	0	0	527	1.2	25.6	3.6
"	E9335	10/45	--	Dysart School	"	-	-	455	75	19	26	58	50	0	0	227	0.1	15.4	0.3
"	B3775	7/45	--	E.Morningside	"	-	-	1291	105	38	260	346	210	0	0	332	0.4	24.4	2.5
"	B22d1	10/44	--	Gaudet Well	"	-	-	1651	113	68	331	496	190	0	0	459	0.1	32.6	2.9
"	B19d1	-	Sec.36, T.1S, R.3E	Gen.Motors Lab.	"	130	-	1005	75	53	193	398	110	0	0	176	0.4	23.5	2.6
"	B921	-	--	Grand Ave. School	"	-	-	924	45	56	179	308	90	0	0	246	0.2	20	4
"	46706	2/45	Sec.21, T.2N, R.3E	August Grunow	"	-	-	1169	65	48	254	293	310	13	0	185	-	21	3.91
"	Q271	6/48	Sec.15, T.2N, R.3E	Hiett's Camp	"	250	-	398	38	23	-	-	-	-	-	-	0.9	10.8	-
"	B1319	2/44	--	Issac School	"	-	-	904	38	34	223	334	80	0	0	195	0.5	13.5	5.9
"	52194	7/48	Sec.26, T.1N, R.1E	Clyde Isabel	"	-	-	356	53	4	39	34	T	0	0	224	0.2	8	0.7
"	E202d	--	--	Lincoln Tract	"	-	-	673	30	48	115	266	40	0	0	154	0.5	19.1	4.8
"	B1076	11/43	--	Maricopa Water Co.	"	-	-	984	53	45	210	332	90	0	0	254	0.3	18.4	4
"	B1030	11/43	7th ave.	Mariposa Well	"	-	-	332	38	30	9	54	20	0	0	171	0.4	12.7	0.2
"	B1051	"	E. Coulter	"	"	-	-	378	45	41	6	88	30	0	0	168	0.3	16.5	0.1
"	B1347	2/44	Medlock W. Well	"	#1	-	-	589	90	56	12	202	10	0	0	139	0.2	26.7	0.1
"	B1348	"	" E. Well	"	#2	-	-	785	113	64	39	232	100	0	0	166	0.2	31.3	0.3
"	B1349	"	7th ave.	"	Well	-	-	402	30	30	42	62	30	0	0	176	0.3	11.7	1
"	B4747	2/46	--	"	#3	-	-	590	83	64	4	118	130	0	0	161	0.2	27.4	0.05
"	B5125	4/46	--	"	Well	-	-	480	45	53	24	120	70	0	0	168	0.2	19.3	0.5
"	B1273	1/44	Augustine Well	No.Cent.Water Util.	"	-	-	1277	105	53	215	273	190	0	0	400	0.2	27.9	2
"	E3730	7/45	7th & Glendale	"	#2	-	-	351	45	30	8	48	30	0	0	163	0.2	13.8	0.2
"	46661	5/47	Sec.13, T.2N, R.13E	No.Side F.Proc.Plant	Well	500	28	334	18	14	62	58	10	0	0	159	0.45	6	3.4
"	46294	9/44	--	Phoenix City Water	"	-	-	355	57	9	29	25	63	T	0	172	0.3	10.5	0.5
"	E5860	7/46	--	J.P. Perry	"	#1	-	330	23	15	58	62	8	0	0	144	0.5	6.8	2.5
"	E5861	"	--	"	#2	-	-	329	23	11	65	86	10	0	0	131	0.4	6	2.8
"	B3196	5/45	--	"	#3	416	-	368	23	11	81	82	30	14	0	139	0.4	6	3.7
"	B5716	10/46	--	"	#4	500	-	398	30	11	82	116	20	0	0	139	0.6	7	2.7
"	E926	-	--	Palo Verde Col.Sch.	Well	-	-	3690	60	53	1104	726	1350	7	0	390	4	21.4	18.3
"	B6902	1/47	--	Paradise Airport	"	-	-	810	143	41	48	200	130	0	0	256	0	30.9	0.3
"	B1132	12/43	--	Mt.Spring Water Co	"	-	-	338	53	26	3	54	20	0	0	159	0.2	13.9	0.06
"	16445	4/48	Sec.33, T.1N, R.5E	S.R.V.W.U.Assn.**	"	-	-	979	92	31	237	336	85	0	0	362	-	20.8	2.5
"	17478	9/48	Sec.34, T.1N, R.6E	"	"	-	-	730	81	22	157	259	98	0	0	174	-	17.3	1.9
"	17479	"	Sec.30, T.1N, R.6E	"	"	-	-	800	71	29	154	306	59	0	0	267	-	17.3	2.7
"	16186	9/47	Sec.19, T.1N, R.1E	"	"	-	-	2340	161	110	524	840	393	0	0	382	-	50	3.3
"	17202	9/48	" R.2E	"	"	-	-	1418	89	38	396	426	174	0	0	527	0	22.3	4.4
"	17484	"	Sec.24, T.1N, R.2E	"	"	-	-	1836	174	67	416	645	268	0	0	489	-	44.3	2.4
"	16660	9/47	Sec.20, T.1N, R.4E	"	"	-	-	1359	90	42	393	457	119	0	0	566	-	26.3	4.4
"	17467	9/48	Sec. 2, T.1N, R.4E	"	"	-	-	489	34	14	136	141	44	0	0	232	-	8.3	4
"	16298	9/47	Sec. 1, T.1N, R.3E	"	"	-	-	1405	44	20	460	362	269	0	0	459	-	11.2	10.4
"	16627	"	Sec.35, T.2N, R.4E	"	"	-	-	1322	95	42	329	323	303	0	0	397	-	24	3.5
"	17560	9/48	Sec.30, T.2N, R.4E	"	"	-	-	1206	39	37	352	279	318	0	0	323	-	44.6	9
"	16297	9/47	Sec.20, T.2N, R.2E	"	"	-	-	1273	156	90	139	397	62	0	0	189	-	44.5	0.9

Chemical Composition of Arizona Waters

*Analyses in parts per million, and hardness in grains per gallon.
 **Analyses of waters from the Salt River Valley Water Users Assn. project were selected as representative of the waters in the project by officials of the Association. The analyses were made by the Association chemist in their Phoenix laboratory, and were furnished the University for publication in this report through the courtesy of the Association officials.

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.) of well to water	Total soluble salts	Calc- cium	Mag- nesium	Sodium	Chlo- rides	Sul- phates	Carbon- ates	Bicar- bonates	Fluorine	Hard- ness	Na/Ca		
Phoenix	17363	9/48	Sec.20, T.2N, R.3E	S.R.V.W.U.Asen.			1306	84	70	299	447	178	0	320		29	3.5		
"	16305	9/47	Sec.22, T.2N, R.3E	"			1395	84	53	346	376	248	0	370		22	5.7		
"	16771	10/47	Sec.31, T.1S, R.5E	"			2554	185	65	674	968	381	0	476		42.5	5.6		
"	16656	9/47	Sec.24, T.1S, R.4E	"			1309	194	4.8	204	429	237	0	270		39.9	2		
"	16671	"	Sec. 9, T.1S, R.4E	"			1552	162	57	331	645	237	0	225		37.4	2		
"	14442	2/48	T.2N, R.1E	"			679	95	4.3	80	189	110	0	176		25.2	0.8		
"	16621	9/47	Sec.11, T.2N, R.4E	"			521	26	24	143	182	42	0	197		9.6	5.5		
"	17356	9/48	Sec. 4, T.2N, R.3E	"			621	37	30	163	396	51	0	282		12.6	4.4		
"	17246	"	Sec.27, T.3N, R.2E	"			639	86	4.8	60	179	24	0	146		21.2	0.7		
"	17246	"	Sec.11, T.3N, R.1E	"			639	122	39	55	207	84	0	157		27.2	0.4		
"	B2774	7/45	---	S.P. & W. Co.	Well		763	75	56	87	222	150	0	195	0.6	24.4	1.1		
"	B2106	5/45	---	"	"		1805	75	49	459	488	420	0	312	2.4	22.6	6.1		
"	B817	11/43	---	Sunnyslope Des.Miss.	"		1160	60	41	246	148	450	0	245	1.6	18.6	4.1		
"	B1447	3/44	---	"	"		1822	30	23	54.5	242	200	0	342	3.6	12	12		
"	B1318	3/47	---	Union School	"		954	45	34	221	328	60	0	246	0.4	14.6	4.9		
"	B7401	12/43	---	Valley Water Co.	"		1110	98	23	235	334	150	0	290	0.6	20.6	2.4		
"	B1134	12/43	---	Viata Income	"		316	38	23	50	15	2	0	168	0.4	10.3	0.5		
"	B5747	7/46	Sec. 1, T.2N, R.2E	Westward Ho Dairy	"	380	442	68	34	19	132	40	0	149	0.1	17.9	0.3		
"	45816	5/44	Sec.18, T.2N, R.1E	L.H. Woolsey	"		2107	254	7	420	398	750	0	278		38.7	1.6		
"	B1423	3/44	Sec.10, T.3N, R.3E	Hill Subdiv., Wymn	"		339	45	23	17	48	30	0	176	0.2	12	0.4		
Pica	51674	5/48	Sec.20, T.2N, R.3W	A.T. & S.F.R.	"	400	645	68	11	101	164	25	0	273	0.85	12.5	1.9		
Picacho	52223	7/48	Sec.27, T.9S, R.8E	Mike Jones	#1		190	59	60	8	81	36	0	220	0.3	11	1.4		
"	52235	"	Sec.23, T.3S, R.8E	S.P. RR	Well		296	180	705	3	15	163	0	163		9.3	14.2		
Piedra	C177	8/48	Sec.23, T.1S, R.3W	Dadora Ranch	"	100	16	697	585	195	1505	2970	0	980		132	2.6		
"	C178	"	"	"	"	200	40	1177	90	11	303	432	12	207		15.8	3.3		
"	C179	"	Sec.35, T.1S, R.3W	"	"	246	62	1275	38	8	408	474	0	95		7.3	10.7		
"	C180	"	"	"	"	150	30	216	135	11	608	840	0	132		22.4	4.5		
"	C181	"	Sec. 4, T.5S, R.3W	"	"	120	30	1871	75	11	577	700	0	149		13.5	7.7		
"	C182	"	"	"	"	100	30	2876	255	64	661	1126	0	278		52.5	2.6		
"	C1775	12/48	Sec.26, T.1S, R.3W	"	"	196	50	2440	293	23	656	1060	0	444		51.1	3.1		
Pike	52076	6/48	T.12N, R.8E	City Supply	"		261	53	12	14	12	12	0	149	0.6	10.7	7.1		
Pima	47242	6/45	Sec.32, T.6N, R.2E	Joseph Alder	"	70	35	10437	365	22	3019	4420	1800	0	947		119.2	8.1	
"	49589	4/47	Townsite	W.M. Carter	Surface	37	9	2259	58	44	630	658	0	432	1.52	19	10.9		
"	51103	3/48	Sec.15, T.6S, R.1E	"	"		79	22	7	2	6	25	0	24	0.1	3	0		
"	47966	12/45	Sec. 4, T.7S, R.2E	City Util., Mangum	Well 1 & 2	80	Artesian	217	4	0	62	13	0	16	1.2	0.6	15.5		
"	47967	"	"	"	"	3		376	3	0	123	40	0	14	0.4	44	4.1		
"	47968	"	"	"	"	80	Artesian	299	4	0	62	10	0	49	1.8	0.6	15.5		
"	47970	"	Sec. 5, T.7S, R.2E	"	Herbert	Well 1		243	4	0	73	11	0	28		0.6	15.5		
"	47971	"	"	"	"	2		188	5	0	50	11	0	7	114	0.7	10		
"	47973	"	Sec. 8, T.7S, R.2E	"	Chatfield	1	330		40	0	113	45	18	41	117	2.7	0.7	37.7	
"	47974	"	"	"	"	2	330		321	2	0	108	34	7	50	125	2.4	0.3	54
"	48925	10/46	---	Hanie's Store	Well			340	2	0	111	36	10	39	140	24	0.3	55.5	
"	47972	12/45	Sec. 8, T.7S, R.2E	Horn	#2		126	4	0	126	4	55	150	2.5	0.3	63			
"	51608	6/48	Sec.18, T.6S, R.2E	Len Mattice	Well	330	Artesian	275	2	8	754	744	400	0	590	2.5	5.5	5.6	
"	47530	9/45	Tap S. of track	"		45		263	135	0	23	33	8	154		2.4			
"	51914	7/48	"	A. Arthur Dupuis	Well			594	15	11	129	50	0	298	1.2	5.2	6.5		
"	51915	"	"	J.M. White	"	10	6	1908	60	11	548	476	0	285	0	11.8	9		
Pima	40589	-	T.12N, R.8E	"	"			117	15	9	T	T	0	93		4.3	-		
Pinedale	47751	10/45	T.11N, R.20E	Mrs. Maida Peterson	"	50		610	152	9	T	68	35	0	34.5	0.5	24.4	-	
Pinecop	55401	5/49	Sec.32, T.9N, R.2E	"	"			48	8	4	T	12	T	0	24	0.1	2.2	-	
Pipe Organ Mnt't	48965	11/42	Sec.17, T.17S, R.3W	Cactus Natl. Mon't.	"			466	34	3	106	98	11	0	212	1.8	5.7	3.1	
Pirtleville	44519	5/43	Townsite	Mrs. Ramona Haignin	"	425	100	397	12	2	103	40	45	0	195	0.5	2.2	8.6	
Pisnimo	54721	3/49	Papago Ind. Res.	"	"	468		729	15	0	230	206	7	7	193	3.4	2	15.3	
Polacca	47008	5/45	Sec.14, T.28N, R.18E	Hotevilla Day Sch.	"			66	62	8	66	22	124	0	200	14	11	1.1	
"	47007	"	Sec.11, T.28N, R.18E	Polacca Day Sch.	"	600		1769	10	3	540	120	560	11	54.7	7.5	2.2	54	
"	46856	3/45	"	"	Tap Water			1548	4	0	482	125	15	52.7	5	0.6	120.5		

Polacca	47010	5/45	Sec. 11, T.26N. R.17E	Torova & Chemopovi	Sch. Well	900	-	2488	16	0	874	868	415	5	271	3.8	2.3	54.6
	47009		Sec. 8, T.26N. R.18E	Wepo Well	Well	110	-	597	82	23	60	39	225	0	167	1.12	17.5	0.7
Pomerene	54764	3/49	Sec. 14, T.13S. R.19E	J.W. Bennett	"	30	26	1136	45	4	322	144	268	T	354	0.7	8	7.1
"	44852	7/43	Sec. 29, T.14S. R.20E	D.G. Crawford	"	78	62	509	59	T	87	19	113	5	224	1.6	8.6	1.5
"	52919	6/48	Sec. 27, T.16S. R.20E	Acel W. East	"	75	51	534	59	11	163	40	250	0	378	1.9	17	1.8
"	52233	7/48	Sec. 33, T.16S. R.20E	"	"	700	20	387	6	1	71	26	T	0	256	0.2	5.5	2.44
Portal	48733	8/46	Sec. 3, T.18S. R.31E	Coronado Watl. For.	Spring	-	-	186	41	6	1	17	10	0	108	0.98	7.44	0.82
	48687	7/46	Sec. 26, T.17S. R.31E	A.G. Greensmeyer	Well	285	110	327	62	12	11	23	61	0	157	1.02	11.9	0.2
Prescott	46942	4/45	Sec. 25, T.15N. R.2W	Airport Well (New)	"	-	-	257	60	0	6	11	T	0	180	0.3	8.8	0.1
"	44389	3/43	"	Love Mun. Airport	"	839	325	256	62	0	4	11	5	0	174	-	9	0.1
"	47346	9/45	T.13N. R.2W	Benning Creek Dam,	Upper	-	-	258	38	2	34	14	40	4	120	0.15	6	0.9
"	4747			"	Lower	-	-	265	57	2	36	15	38	4	130	0.25	5.9	1
"	47634		Sec. 23, T.13N. R.2W	Geo. H. Dacan	Well	18	9	593	88	2	17	19	15	0	297	0.05	18.6	0.2
"	48377	5/46	"	"	"	15	8	362	63	2	36	18	11	0	252	0.1	9.7	0.6
"	47545	9/45	Sec. 25, T.14N. R.2W	Granite Crk. Surface	Flow	-	-	168	67	17	38	35	40	14	245	0	13.9	0.6
"	47549		Townsite	B. Hazeltine	Well	156	-	486	82	6	41	30	22	0	303	1.5	13.4	0.5
"	49372	3/47	Sec. 33, T.14N. R.2W	Ejner Jensen	"	40	30	217	49	9	T	35	29	0	95	0.19	9.3	-
"	47655	9/45	Sec. 21, T.18N. R.5W	J.W. Kieckhefer	"	180	26	934	57	20	26	18	T	0	312	0.5	13.1	0.46
"	46609	12/44	Sec. 25-26, T.11N. R.3W	J.E. Marshall	Spring	-	-	340	54	12	19	18	25	0	242	0.3	10.8	0.35
"	46610		"	"	"	-	-	302	72	2	32	20	20	0	252	0.63	10.4	0.44
"	54720	3/49	Sec. 4, T.15N. R.2W	Jay Marshall	Well	21.0	-	196	38	0	21	16	T	0	120	0.3	6	0.6
"	45696	4/44	Sec. 31, T.15N. R.1W	Old U of A Farm	"	-	-	302	43	11	22	19	15	0	192	-	8.89	0.54
"	45354	4/43	Sec. 33, T.14N. R.2W	Peerless Ldry.	"	25	15	978	118	8	161	40	380	0	271	-	19.5	1.4
"	47785	10/45	Sec. 21, T.15N. R.2W	R.E. Perkins	"	-	-	302	69	3	9	29	T	4	186	0.4	10.7	0.13
"	47786		Sec. 17, T.15N. R.2W	"	"	-	-	227	82	1	6	40	T	0	195	0.35	12.2	0.1
"	47289	6/45	--	Prescott	#2	-	-	265	38	11	15	15	T	0	185	0.5	8.2	0.4
"	47291		Tap Water	"	"	-	-	204	36	3	15	11	15	0	124	0.25	5.9	0.44
"	48022	1/46	Sec. 25, T.14N. R.2W	Prescott, City of	Well	-	-	443	93	14	16	34	28	0	268	0.15	15.5	0.2
"	48023		"	"	"	-	-	447	82	15	17	34	0	0	255	-	15.6	0.2
"	47548	9/45	"	"	Granite Creek	"	-	261	40	1	33	22	6	7	152	0.15	6	0.8
"	47800	11/45	Sec. 33, T.14N. R.2W	"	City Water	"	-	223	30	15	9	12	16	7	134	0.2	8.1	0.3
"	83743	9/45	--	"	"	-	-	271	30	11	24	20	30	2	134	0.2	7	0.8
"	50417	10/47	Sec. 13, T.14N. R.2W	Herman Schullenbach	"	50	16	357	45	11	37	22	20	0	212	0.75	9.3	0.8
"	44186	9/43	Sec. 34, T.14N. R.2W	John T. Vanderslice	"	278	76	352	77	0	15	23	5	T	235	0.5	11.2	0.2
"	44082	12/42	Sec. 14, T.14N. R.2W	Ed Weston	"	250	213	519	88	26	9	22	5	0	376	0.3	18.7	0.1
"	50864	1/48	Sec. 22, T.14N. R.2W	"	"	-	-	638	120	15	44	28	75	0	356	0.2	13.1	0.36
"	51470	5/48	"	"	"	-	-	559	82	8	60	40	20	0	349	0.45	14	0.7
"	52681	9/48	--	Miss A.J. Gavinati	"	-	-	221	38	0	21	14	T	0	146	0.2	5.5	0.6
"	52682		--	"	"	-	-	170	38	0	7	12	T	0	112	0.2	5.5	0.2
"	51920		--	Prescott City Supply	"	-	-	288	45	8	28	50	0	0	134	0.2	8.5	0.5
"	52659	9/48	--	Enikia Verrotto	"	-	-	511	46	7	14	116	60.5	0	139	0.5	13.1	0.9
"	52011	7/49	T.14N. R.2W	Ed Weston, Vete. Hosp.	"	-	-	182	38	4	0	T	T	0	139	0.2	6.5	0
"	55339	7/49	Sec. 23, T.16N. R.1W	Long Meadow Sch.	"	595	2	278	30	0	46	16	T	0	185	0.6	4	1.5
Puro	54793	3/49	Sec. 26, T.17N. R.2W	A.T. & S.F. RR	"	200	Flowing	368	45	0	58	28	20	0	215	0.6	7	1.3
Quartzsite	49850	6/47	Sec. 27, T.14N. R.19W	Cross Roads Cafe	Well	48	-	467	45	17	59	38	15	0	293	0	10.6	1.3
"	48234	3/46	Sec. 29, T.14N. R.19W	W.C. Keiser	"	544	435	443	45	5	79	35	22	0	160	0.8	7.8	1.8
"	51700	5/48	Sec. 27, T.14N. R.19W	Quartzsite Garage	"	-	-	442	46	11	18	32	0	0	298	0.2	15	0.2
"	49440	5/47	Sec. 28, T.14N. R.19W	"	"	40	-	346	64	1	25	14	T	0	242	0.2	9.6	0.4
"	51694	5/48	15 mi. E on Hwy. 60	"	"	530	-	485	30	8	94	40	T	0	312	0.8	5.4	3.1
"	55035	5/49	"	Ramsey's Station	"	-	-	552	38	15	101	82	T	0	315	0.8	10	2.7
Queen Creek	47780	12/45	"	Howard L. Rogers	#1	-	-	502	53	0	130	177	70	0	109	-	7.7	2.4
"	47781		"	Chandler Hgts. Irrig.	"	-	-	536	40	3	137	168	54	5	126	-	6.6	3.4
"	47782		"	"	"	-	-	538	38	3	137	163	56	0	141	-	6.5	3.6
"	47783		"	"	"	-	-	638	60	0	130	89	72	0	156	-	8.8	2.5
"	47784		"	"	"	-	-	695	68	6	158	227	89	5	134	-	11.5	2.3
"	83025		"	M.C. Nielson	Well	-	-	626	60	19	113	164	0	0	190	-	13.8	1.9
"	82706	11/47	"	B.J. Brooks	"	800	-	587	45	8	141	174	11C	0	105	-	8.4	3.1

Chemical Composition of Arizona Waters

*Analyses in parts per million, and hardness in grains per gallon.

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.)		Total soluble salts	Cal-cium	Mag-nesium	Sodium	Chlo-rides	Sul-phates	Carbon-ate	Bi-car-bonates	Fluorine	Hard-ness	Na/Ca	
						of well	to water												
Radium Hot Spgs.	50706	12/47	Sec.12, T.8S, R.18W	H.W. Elaine	Well	11	5	3190	255	12	826	82L	1200	0	73	0.85	38.8	3.2	
Randolph	148070	1/46	"	W.H. Steele	"	"	"	583	8L	12	87	168	75	0	156	0.8	15.1	1.2	
Ray	49737	6/47	Sec.13, T.3S, R.13E	City Water Supply	"	"	"	1407	60	10	37	18	58	0	28L	0.23	11.2	0.6	
Red Rock	47815	11/45	Sec. 4, T.10S, R.10E	C.L. Brooks	"	21L	"	29L	32	2	47	1.8	1L	0	178	0.7	5.2	1.5	
"	47920	"	Sec. 2L, T.10S, R.9E	Robt. L. Meeks	"	162	117	461	71	4	56	39	87	0	20L	0.35	11.4	0.8	
"	47919	"	Sec.1L, T.10S, R.8E	F.S. Thompson	"	149	115	450	62	3	62	30	83	0	210	0.35	9.7	1	
"	52226	"	Sec.12, T.10S, R.8E	La Geo #2	"	"	160	655	60	8	143	172	62	0	20L	0.3	10.8	2.3	
"	52236	"	Townsite	G.P. RR	"	31C	178	257	45	8	1.8	3L	T	0	161	0.5	8.6	0.4	
"	52225	7/48	Sec.23, T.10S, R.9E	Thomason-Hogue	"	220	150	533	60	11	76	40	99	0	212	0.2	11.5	1.2	
Hillito	47632	10/45	Sec. 6, T.11S, R.12E	El Rancho Grande	"	"	"	360	6L	0	98	18	25	12	199	0.45	9.3	0.59	
"	48628	7/46	Sec. 6, T.11S, R.12E	"	"	"	"	257	38	12	15	18	21	0	150	0.3	8.4	0.4	
"	48629	"	"	"	"	"	"	292	42	8	25	19	21	0	172	0.3	8	0.6	
"	50975	1/48	Sec.32, T.11S, R.11E	Honsa	"	"	19L	46L	112	8	9	20	58	0	256	0.8	18	0.008	
"	40374	"	Sec. 5, T.12S, R.11E	"	"	"	"	665	112	4	69	70	165	0	24L	1	16.6	0.6	
"	52237	7/48	Sec. 5, T.12S, R.11E	S.P. RR	"	305	152	311	60	8	11L	3L	T	0	195	0.3	10.8	0.2	
"	55041	5/49	Sec.33, T.12S, R.11E	Ralph H. Ludwig	"	300	200	281	38	2	46	10	0	0	166	0.8	6	1.2	
Rita	48431	5/46	Sec.27, T.15S, R.15E	Buck Fletcher	"	"	"	288	38	2	38	12	18	0	180	0.15	6	-	
"	20810	5/32	"	Ben Gordon	"	"	333	272	15	15	12	16	50	7	127	-	-	-	
"	48563	7/46	"	S.P. RR	"	"	358	310	49	5	27	1L	28	0	187	0.2L	8.4	0.6	
Rittenhouse	E1839	7/44	Sec.16, T2S, R.7E	Rittenhouse	"	"	"	609	45	26	111	162	70	0	155	0.5	12.9	2.5	
"	B1410	2/41	"	"	"	"	"	533	68	15	79	140	60	0	171	0.1	13.5	1.1	
Rivers	44072	11/42	Sec.22, T.4S, R.5E	Japanese Camp #1	"	400	85	1060	43	5	285	161	285	0	273	7.5	12.7	7.5	
"	44073	"	Sec.18,19, T.4S, R.5E	#2	"	400	90	793	28	3	217	146	170	0	211	7.5	4.8	7.7	
Rock Springs	51626	6/48	Sec.27, T.8W, R.2E	T.H. Taylor	"	25	20	979	120	11	152	70	275	0	351	0.5	20.5	1.3	
"	51627	"	Sec.10, T.8W, R.2E	Ben Warner	"	91	15	654	90	8	60	42	20	0	15L	0.65	15	3.2	
"	53477	12/48	Sec. 3, T.2E, R.2E	J.M. Harlan	"	170	50	2507	112	98	453	328	11L	0	1281	7	4.5	2.2	
Roll	49233	1/45	Sec.18, T.8S, R.16W	J.F. Allen	"	60	"	224.8	50	60	49.5	768	32	0	425	7	40.8	2.7	
"	52829	9/48	Sec. 1, T.8S, R.17W	C.G. Buckeye	"	123	4L	1401	158	0	346	650	160	0	81	3.6	23	2.2	
"	47213	6/45	Sec.25, T.7S, R.15W	W.H. Hamford	"	"	"	121.67	1210	528	2499	6660	1000	0	239	0.5	307.9	2	
"	48523	6/46	Sec. 1, T.7S, R.17W	Mohawk Valley Sch.	"	"	"	1907	341	22	195	16	1138	0	19L	0.8L	55	0.6	
"	51545	5/48	T.18S, R.22W	Mun.Conserv.Dist.	" #20	"	"	11570	726	11	3503	5760	750	0	305	0.45	109	5	
"	46170	8/44	Sec. 1, T.8S, R.17W	P.F. Side Camp	Well	"	"	2971	260	0	77	496	850	0	398	0.5	56.5	1.9	
"	46475	8/48	Sec. 2, T.8S, R.17W	"	"	208	"	26	289	0	40	317	490	0	429	0.6	51.8	1.89	
"	51544	7/48	Sec.13, T.8S, R.16W	Van Pello	"	77	12	1301	24.0	8	8	230	52	0	25L	0.6	37	0.7	
"	52803	"	"	H.B. Mifflin	"	"	"	1980	398	83	12L	560	600	0	215	0.3	79	0.31	
"	52204	"	"	"	"	"	"	2921	443	75	400	440	1200	0	163	0.4	82	0.9	
"	52205	"	"	"	"	"	"	1756	233	75	150	28	0	0	161	0.6	53	0.6	
"	52206	"	"	"	"	"	"	3469	50L	98	470	720	1500	0	176	0.5	98	0.9	
"	52207	"	"	"	" #1B	"	"	4691	428	75	780	1540	1608	0	259	0.5	81	1.8	
"	52208	"	"	"	" #7	"	"	3740	825	90	540	810	1237	0	207	0.5	143	0.7	
"	52209	"	"	"	" #16	"	"	3417	128	165	368	760	1478	0	222	1.6	10L	0.9	
"	52210	"	"	" (Wright)	"	"	"	328.8	8.3	90	426	1108	470	0	195	0.8	1.8	0.8	
"	52211	"	"	" (Patley)	" #1	"	"	7537	998	0	1730	3710	1430	0	63L	0.9	115.6	1.7	
"	52212	"	"	H.B. Mifflin	" #11	"	"	966	38	8	300	420	86	T	110	3	7.5	7.9	
"	52666	9/48	"	Mohawk Valley Sch.	"	400	400	"	"	"	"	"	"	"	"	"	"	"	"
"	51546	5/48	T.3S, R.16W	Woodhouse	"	"	"	5039	517	8	1270	2000	940	0	322	0.25	77	2.5	
"	52559	8/48	Sec. 1, T.3S, R.17W	Wayne Wright	"	147	"	2619	218	15	380	520	210	28	3L	1.9	1L	5.5	
"	52172	7/48	Sec. 9, T.3S, R.16W	"	Spring	"	"	690	218	8	690	800	0	0	93	0.3	3L	3.2	
"	46945	3/45	Sec.16, T.3S, R.17W	"	Well	"	"	1041	326	139	927	1878	448	0	323	-	81	2.8	
"	53209	10/48	"	"	"	108	65	5079	615	0	1205	2300	572	0	381	2.8	89.7	1.96	
Roosevelt	48370	5/46	Sec.30, T.1N, R.12E	J.D. Houston	Spring	"	"	674	16	1	248	229	50	0	220	9.8	2.6	15.9	
"	47005	5/45	Sec.19, T.1N, R.12E	Krauch	"	"	"	806	32	0	242	227	87	15	203	-	4.7	7.6	
"	4488	11/48	Salt Canal, 1st.20E	Roosevelt Irrig.Co.	"	"	"	1351	23	41	391	476	200	17	176	-	13.6	1.7	
"	4490	"	Sec.30, T.2N, R.1E	"	"	"	"	856	75	49	132	25L	140	0	171	-	23.3	1.76	
"	4493	"	Sec.20, T.2N, R.1E	"	"	"	"	677	90	8	10L	128	70	0	249	-	15.2	1	
"	4497	"	Sec. 8, T.2N, R.1E	"	"	"	"	480	60	76	53	14.8	20	0	156	-	27.8	0.9	

Roosevelt	0501	11/48	Sec. 4, T.2N, R.1E	Roosevelt Irrig.Co.	Well	600	-	1247	15	116	704	1172	800	0	137	-	-	64.1	2.9
"	0502	"	Sec.13, T.2W, R.1E	"	Well	100	-	1017	146	13	157	166	344	7	185	0.8	0.81	24.4	1.1
"	0508	"	Sec.12, T.1N, R.1E	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	0513	"	Sec. 8, T.1N, R.2E	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	0517	"	Sec. 9, T.1N, R.2E	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	0530	"	Sec.10, T.1N, R.2E	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	0534	"	Sec.11, T.1N, R.2E	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	0539	"	Sec.13, T.1N, R.2E	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	0541	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	0708	"	Sec.26, T.1N, R.2W	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	0710	"	Sec.27, T.1N, R.2W	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	0712	"	Sec. 9, T.1S, R.2W	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	0718	"	Sec.26, T.1N, R.2W	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	0722	"	Sec. 5, T.1S, R.1W	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	0725	"	Sec. 3, T.1S, R.1W	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	0727	"	Main canal, lower end	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	0729	"	Sec.25, T.1S, R.2W	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Roswood	R0056	6/47	--	Roosevelt Irrig.Co.	Well	600	-	1247	15	116	704	1172	800	0	137	-	-	64.1	2.9
"	49816	6/47	Sec.23, T.1S, R.6W	Lance Gillespie	Well	100	-	1017	146	13	157	166	344	7	185	0.8	0.81	24.4	1.1
Sabino Canyon	50449	10/47	Sec.16, T.1S, R.15E	So.Ariz.Sch.Boys	Well	-	-	690	30	T	212	212	240	0	134	0.45	-	4.2	7
Secaton	B3407	6/45	Sec.31, T.1S, R.8E	Blackwater Day Sch.	"	-	-	1065	113	26	198	304	180	0	244	0.7	-	22.7	1.7
"	B3409	"	Sec.36, T.3S, R.1E	Casa Blanca Sch.	"	-	-	724	38	15	180	188	140	0	163	0.0	-	9	4.7
"	B3466	"	--	Gila Crossing Sch.	"	-	-	1321	83	15	371	532	210	7	107	0.5	-	15.6	4.5
"	44066	11/42	Sec. 2, T.1S, R.1E	Mariopca Day Sch.	"	450	60	1846	50	17	530	188	950	T	110	1.2	-	11.5	10.5
"	43723	7/42	Sec.21, T.1S, R.6E	Pima Agency #3A	"	200	85	499	122	1	22	74	101	0	177	1.2	-	18	0.2
"	B3353	6/45	--	Secaton Day School	"	-	-	1288	165	19	227	292	400	0	185	1.4	-	28.5	1.4
"	B3353	6/45	--	San Carlos Proj.	"	-	-	1131	145	30	307	488	210	31	216	1.56	-	28.1	2.1
"	B8985	11/46	Sec.15, T.1S, R.6E	"	"	-	-	1135	121	22	222	32	210	3	228	1.28	-	22.9	1.8
"	48441	5/46	Sec.15, T.1S, R.7E	"	"	-	-	1251	94	24	301	418	223	0	183	1.56	-	19.5	3.2
"	48442	"	Sec.24, T.1S, R.6E	"	"	-	-	1171	128	25	344	572	223	0	210	1.24	-	24.7	2.7
"	48443	"	Sec.23, T.1S, R.6E	"	"	-	-	1041	124	29	175	282	246	0	176	1.14	-	25.1	1.4
"	B3410	6/45	--	San Tan Bascha	Well	-	-	945	75	11	223	276	140	0	220	1	-	13.6	-
"	B3408	"	--	San Tan School	"	-	-	1191	83	23	285	358	190	0	254	2.6	-	17.4	3.4
"	17517	11/45	Sec.20, T.1S, R.6E	White School	"	-	-	1128	179	27	146	284	315	0	164	0.95	-	32.6	0.8
"	47915	4/47	Sec.17, T.8S, R.26E	Samuel F. Baird	Spring	210	-	1198	110	30	312	213	600	0	3	3.1	-	23.5	3.1
"	47965	12/45	Sec.25, T.7S, R.26E	Fred Clifford	Well	78	56	5865	25	34	2072	2690	744	0	264	4	-	17.7	31.9
"	51331	5/48	T.8S, R.25E	W.M. Crum	"	855	Artesian	1444	22	8	488	620	175	T	97	3.5	-	7.2	21
"	51332	"	T.7S, R.25E	"	"	109	45	732	15	0	228	172	150	0	164	2.6	-	2.2	15
"	50236	9/47	Sec.36, T.10S, R.28E	Leslie Ellsworth	"	1700	Flowing	1319	15	8	409	220	450	0	170	T	-	4	27
"	51188	3/48	"	"	"	1700	"	794	15	4	216	194	185	0	180	-	-	3.2	14.4
"	51080	"	Sec.17, T.7S, R.26E	Farrell Evans	"	91	50	2226	98	11	637	640	375	0	464	1.7	-	97	6.5
"	51082	"	Sec. 8, T.7S, R.26E	"	"	34	20	2724	197	22	757	980	300	0	525	1.8	-	28	4.8
"	49095	1/47	Sec.32, T.8S, R.26E	C.A. McNealey	"	33	27	638	25	2	194	124	124	0	308	5.2	-	44.1	7.8
"	51333	5/48	Sec.26, T.7S, R.26E	Geo. E. Morris	"	65	-	1820	420	16	39	450	300	0	293	-1.75	-	10.1	6.09
"	51334	"	"	"	"	110	55	2043	195	8	345	804	327	C	366	-	-	31	1.8
"	51335	"	Sec. 7, T.8S, R.26E	"	"	1190	Artesian	1633	52	4	536	620	275	0	83	2.9	-	8.5	10
"	51336	"	"	"	"	1090	"	1570	15	4	428	708	300	34	78	3.2	-	3.2	29
"	51337	"	"	"	"	790	"	615	8	4	55	54	275	0	215	3.75	-	2.2	7
"	51338	"	"	"	"	1000	"	1173	15	8	359	320	300	0	161	3.3	-	6.1	24
"	51339	"	"	"	"	800	"	1186	8	2	155	594	300	49	73	4.75	-	1.5	20
"	46107	10/47	Sec.32, T.7S, R.26E	E.W. Richardson	"	90	60	773	368	12	2208	4550	425	0	76	0.85	-	87	6
"	10444	7/44	Bonito Creek	Municipal Util.	Infiltration gal.	20	-	374	44	15	35	14	5	6	250	0.45	-	10	0.8
"	10444	"	"	Water Supply	"	"	"	458	70	15	33	47	5	0	290	0.4	-	13.9	0.47
"	46259	9/44	Sec. 6, T.6S, R.28E	"	"	"	"	353	35	27	17	14	T	T	260	0.4	-	11.6	0.48

*Analyses in parts per million, and hardness in grains per gallon.

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.)		Total soluble salts	Calcium	Mag-nesium	Sodium	Chlo-rides	Sul-phates	Carbon-ates	Bicar-bonates	Fluorine	Hard-ness	Na/Ca
						of well	to water											
Safford	51389	5/48	T.7S, R.25E	Scott	Well	1300	Artesian	627	120	4	60	140	200	0	49	4.2	18.5	0.5
"	51390	"	"	"	"	1245	"	2263	98	11	731	1110	250	0	59	4.2	17	7.5
"	53455	12/48	Sec. 6, T.7S, R.26E	H.W. Stevensen	"	80	53	1874	188	4	439	581	202	0	455	1.6	28	2.3
"	47168	5/45	Sec.12, T.7S, R.26E	U of A Farm	"	-	-	2182	91	0	621	611	320	0	523	-	15.2	6.9
"	50462	12/48	"	"	"	-	-	1598	182	35	261	443	148	0	166	3.6	4	5
"	47169	5/45	Sec. 7, T.7S, R.26E	"	"	-	-	1538	182	35	261	443	148	0	166	4	5	4
"	47980	12/45	Sec.22, T.7S, R.26E	"	"	-	-	2181	121	17	585	646	261	0	534	1.8	21.7	4.8
"	51102	3/48	"	"	"	-	55	3957	187	15	1409	1350	375	0	620	1.85	30	7.5
"	52931	10/48	Sec. 3, T.7S, R.27E	Norman Carpenter	"	500	34	1069	30	0	336	304	268	0	124	6	44.1	11
"	52930	9/48	Sec.17, T.8, R.26	Rider Ridgway	"	1524	Artesian	669	30	0	179	52	300	0	98	9	44.4	6
"	52136	"	T.7S, R.25E	Municipal Util.	Bonito Creek	-	-	1648	533	23	2	860	40	0	190	0.9	81	0
"	48480	3/47	Sec.36, T.16S, R.13E	R.L. Masel	Well	-	114	372	40	2	68	74	70	0	157	0.85	6.3	1.7
"	48190	3/46	Sec.20, T.16S, R.14E	Dr. G.G. O'Brien	"	60	5	538	82	8	47	28	104	0	229	0.33	15.3	3.5
"	48535	4/46	Sec.18, T.17S, R.14E	Oro Verde Farms	"	-	-	545	90	10	46	21	114	0	21	0.2	15.5	0.5
"	45274	12/43	Sec. 2, T.17S, R.12E	San Xavier Ext.	"	500	227	827	145	16	83	108	300	0	175	-	25	0.6
"	49617	4/47	Sec. 5, T.16S, R.14E	T.M. Spencer	Well	254	103	479	78	4	49	25	82	0	241	0.24	12.3	0.6
"	51231	3/48	Sec.31, T.17S, R.14E	J. Thomas	"	110	70	551	90	11	48	28	129	0	244	0.8	14.3	0.5
"	49527	3/47	Sec. 8, T.17S, R.14E	Army Gunnery Sch.	"	-	51	225	18	8	51	27	58	0	70	0.42	2.6	2.8
"	50692	12/47	Sec.18, T.16S, R.14E	Gas Zanardelli	"	-	51	588	120	6	35	44	137	0	244	0.1	19	0.26
"	45713	6/47	Sec. 7, T.17S, R.14E	Sahuarita School	"	-	-	612	125	21	12	160	62	0	264	0.39	23.3	0.1
"	52048	7/48	Sec.21, T.17S, R.13E	Dean	"	450	424	513	83	11	53	62	128	0	176	-	15	0.6
"	51290	3/49	T.16S, R.14E	Tom Griffin	"	230	70	662	113	0	82	86	136	0	240	0.2	14.6	0.7
"	52047	7/48	Sec.22, T.17S, R.13E	Alvin Harris	"	360	334	288	45	8	21	26	T	0	188	-	9	0.5
"	51885	"	Sec. 7, T.17S, R.14E	H.E. Maneloc	"	65	-	870	150	11	60	30	250	0	364	-	25	0.44
"	51900	"	Sec.15, T.17S, R.13E	"	"	110	82	446	83	8	21	40	40	0	222	-	14	2.5
"	51894	"	Sec.30, T.16S, R.17E	Lee Moore #3	"	-	70	448	60	11	48	36	75	0	212	-	11.7	0.8
"	51895	"	Sec.19, T.16S, R.14E	" #5	"	-	60	1043	188	15	25	48	250	0	317	-	21	0.1
"	51896	"	Sec.31, T.16S, R.14E	" #7	"	-	40	447	98	8	T	20	150	0	171	-	16	0
"	51899	"	Sec.24, T.16S, R.14E	Quiluis	"	134	40	273	45	8	16	20	T	0	181	-	8.5	0.35
"	51888	"	Sec. 6, T.17S, R.14E	Sahuarita #1	"	308	65	389	75	8	21	28	50	0	207	-	13	0.3
"	51889	"	"	" #2	"	200	75	560	83	11	44	28	150	0	244	-	15	0.5
"	51893	"	Sec.31, T.16S, R.14E	" #5	"	462	60	366	53	11	32	14	100	0	154	-	10.6	0.6
"	51892	"	"	" #6	"	248	65	444	68	11	37	28	80	0	220	-	13	0.6
"	51886	"	Sec. 6, T.17S, R.14E	" #8	Flax	-	60	195	158	4	T	28	175	0	244	-	24	0
"	51887	"	"	" #10	"	234	60	375	75	4	30	32	80	0	142	-	12	0.4
"	51882	"	Sec. 8, T.17S, R.14E	" #11	New	-	40	306	45	4	37	50	28	0	132	-	7.5	0.8
"	51890	"	Sec. 7, T.17S, R.14E	" #12	"	733	50	348	83	8	28	50	24	0	144	-	11.6	1.2
"	51898	"	Sec.19, T.17S, R.14E	" #24	"	388	65	391	90	8	28	28	80	0	237	-	15.2	0.51
St. David	51740	5/48	Sec.31, T.17S, R.21E	H.W. Busby	"	-	-	509	90	8	32	28	20	0	327	3.7	15	0.35
"	51104	3/45	Sec.35, T.17S, R.22E	C.A. Comolli	"	600	-	655	127	8	32	12	268	0	252	2.65	20.5	0.25
"	51738	5/48	Sec. 5, T.18S, R.21E	A.E. Gee	"	-	-	200	37	T	16	20	T	0	122	5.5	5.4	0.44
"	49482	4/47	Sec.35, T.17S, R.20E	R.F. Howard	" #1	900	20	620	78	24	68	9	255	10	173	0.85	17.2	0.9
"	48483	"	"	" #2	Well	600	Artesian	406	32	33	35	9	137	T	256	2.12	12.6	1.1
"	51739	5/48	Sec.32, T.17S, R.21E	Chester Kolley	"	-	-	877	83	8	139	20	0	0	545	4.8	15	1.4
"	51737	"	"	M.A. Martin	"	-	-	937	120	8	127	40	50	0	610	2.4	19	1.0
"	49633	5/47	Sec. 5, T.18S, R.21E	Food Proc.Plant	"	300	Flowing	222	50	3	39	16	T	0	137	4.68	3.6	0.78
"	49761	6/47	Sec.32, T.17S, R.21E	School Well (Fountain)	"	182	13	6	29	11	6	29	14	0	120	0.05**	3.3	2.2
"	49762	"	"	(Pump)	"	-	-	205	34	6	12	16	0	T	135	1.8	6.44	0.44
"	51741	5/48	T.16S, R.21E	Jared Trojo	Well	-	-	861	97	11	117	20	75	0	537	4	17	1.25
"	52530	3/48	T.17S, R.20E	Ven Bergen	"	-	Artesian	248	30	4	41	16	T	0	154	3.4	5.4	1.3
"	52708	9/48	Sec. 9, T.18S, R.21E	Paul Martin	"	-	-	241	30	0	37	40	T	15	124	3.6	4.5	1.2
"	51884	6/48	Sec.35, T.17S, R.20E	Chas.J. Murphy	"	240	-	354	60	11	23	16	25	0	224	2.2	11.8	0.44
"	52751	9/48	Sec.32, T.17S, R.21E	St.David School	"	-	-	270	23	4	39	16	T	0	188	3.2	4.3	1.7
"	52256	7/48	Sec. 5, T.18S, R.21E	J.A. Kartchner	"	-	Artesian	397	38	11	76	26	T	0	200	0.92	5.7	2.00
"	52683	8/48	Sec.32, T.18S, R.21E	"	"	640	"	286	38	4	35	10	50	0	144	3.6	6.5	0.9

St. David	52707	9/48	Sec.32, T.18S, R.21E	J.A. Kartchner	Well	-	-	193	15	4	35	26	T	0	112	0.2	3.2	2.3
	54765	4/49	Sec.16, T.18S, R.21E	C.B. White	"	400	Flowing	293	30	8	39	30	T	0	183	2.5	6	1.3
St. Johns	54641	3/49	---	City Water	"	-	-	517	68	4	74	84	84	0	242	0.9	11	1.1
	48244	3/46	Sec. 7, T.12N, R.28E	Dr. L.B. Cremin	"	-	-	2123	246	44	347	369	466	0	649	2	46.5	1.4
	48538	9/46	Townsite	Francis Rey	"	-	-	2169	201	78	339	12	1268	0	271	-	48.1	1.6
	44755	5/43	Sec. 7, T.14N, R.30E	Everett Hinkson	"	-	-	1147	148	8	256	140	0	613	4.2	23.5	1.7	
	47949	11/45	Sec.26, T.14N, R.30E	"	"	1020	-	1179	171	42	101	82	0	525	-	26.9	0.6	
	49038	1/47	Sec.21, T.15N, R.30E	"	"	1200	102	-	139	25	-	179	0	426	-	36	5.7	
	50343	9/47	Sec.19, T.16N, R.30E	"	"	1350	-	3966	225	19	1288	1700	0	434	1.15	61	0	
	52510	8/48	Sec.10, T.7N, R.21W	"	"	100	-	4452	398	11	0	52	690	0	305	0.6	15	0.66
	51264	4/48	Sec.18, T.11N, R.25E	John Leverton	"	100	60	596	90	8	60	68	160	0	210	0.3	15	0.5
	51265	"	Sec.19, T.11N, R.25E	"	"	-	-	602	90	8	46	80	140	0	238	0.5	31	1.8
	51265	"	Below Lyman Dam	Dave Rogers	"	-	-	1952	202	8	368	286	592	0	475	1.6	30	1
	53770	2/48	W. of City Limits	G.R. Sherwood	"	-	-	1321	188	11	179	76	0	459	1.2	30	1	
Mission	53464	7/45	Sec. 5, T.2S, R.2E	Mission	"	-	-	2958	330	89	471	1178	370	2	151	0.2	67.9	1
	49851	5/47	Sec.16, T.14N, R.16W	Brenda Serv. Sta.	"	287	-	701	80	5	120	16	19	210	0.35	12.9	1.5	
Salome	44769	5/43	---	Arthur Cole	"	-	-	413	16	0	105	37	45	T	207	2.6	2.3	6.5
	49810	6/47	Sec.16, T.5N, R.13W	Ramsey's Cafe	"	530	330	5.5	32	15	88	28	15	0	337	0.36	8.3	2.8
	49813	"	"	Santa Fe RR	"	-	-	618	47	43	84	132	122	5	183	1.96	17.2	1.8
	49834	"	"	Varis Imp. Co.	"	175	-	504	34	9	104	64	65	0	226	2.32	7.1	3.1
	49854	5/47	"	Wiley's Buffet	"	120	-	716	20	15	195	158	111	17	198	2.2	6.5	9.8
San Carlos	52192	7/48	Indian Reservation	S.P. RR	"	176	25	649	83	11	87	74	69	0	322	0.3	12	1
Proj.***	54381	3/49	Sec.21, T.1S, R.10E	U.S.Indian Irrig.Serv.	#1	212	110.7	677	112	11	37	78	160	T	249	-	23.5	0.3
	"	"	"	"	#6	-	-	1348	75	23	345	397	24	0	230	-	16.7	4.6
	"	"	Sec.16, T.4S, R.10E	"	#12	181	87.5	799	98	15	143	250	102	0	183	-	18	1.5
	"	"	Sec.30, T.5S, R.9E	"	#17	350	112	412	45	4	67	66	45	7.2	178	-	7.1	1.5
	"	"	Sec.24, T.5S, R.8E	"	#19-1	216	111.3	2075	210	23	444	460	728	T	210	-	33.5	2.1
	"	"	Sec.23, T.5S, R.8E	"	#23	228	99	2098	292	15	382	565	600	0	244	-	46.4	1.3
	"	"	Sec.25, T.5S, R.8E	"	#26	406	103	385	20	4	87	94	T	17	163	-	3.9	4.3
	"	"	Sec. 1, T.5S, R.7E	"	#34	220	78	1519	158	80	290	466	240	0	285	-	43	1.8
	"	"	Sec.23, T.1S, R.6E	"	#47	176	34	1430	165	19	292	448	260	44	232	-	26.8	1.2
	"	"	Sec. 3, T.1S, R.5E	"	#51	376	5.2	572	82	19	69	152	50	T	200	-	16.7	0.8
	"	"	Sec.29, T.3S, R.5E	"	#59	174	35.3	1040	225	15	81	256	214	0	249	-	36.6	0.4
	"	"	Sec.24, T.3S, R.5E	"	#69	202	53	1022	105	19	212	294	321	0	71	-	20	2
	54439	"	Sec.29, T.6S, R.8E	"	#77	404	119.5	273	60	15	23	44	50	0	81	-	12.5	0.78
	54445	"	Sec.27, T.6S, R.7E	"	#85	150	104	836	112	11	133	164	222	C	194	-	19.1	1.2
	54454	"	Sec.33, T.6S, R.6E	"	#103	404	-	1953	225	8	414	520	535	0	251	-	34.8	1.8
	54459	"	Sec.31, T.6S, R.7E	"	#116	420	68	1092	130	11	152	266	288	0	195	-	29	0.85
	54465	"	Sec. 1, T.1S, R.1E	"	#123	424	40	733	68	11	114	170	166	0	204	-	12.7	1.7
	47917	11/45	T.4S, R.11E	Florence-Gasa Grande Canal at Ashurst-Hayden Dam	Gila R.	-	-	1019	92	21	213	274	179	10	230	-	18.4	2.3
Sanders	49889	6/47	Sec.14, T.21N, R.28E	High School	Well	160	130	134.5	251	56	50	50	0	376	0.73	50.1	0.2	
	49898	"	Sec.14, T.21N, R.28E	Thos. Pelton	"	247	235	2091	2	0	610	39	235	46	1155	3.4	0.3	305
	52664	8/48	Sec.14, T.21N, R.28E	Lewis Trading Post	"	90	-	774	203	4	5	70	155	0	389	0.3	30.6	0.02
San Luis	46780	2/45	Sec.20, T.11S, R.21W	J.E. Peters	"	-	5	4430	34	3	474	562	152	0	205	-	5.7	13.9
	46673	1/45	Sec.12, T.11S, R.25W	Border Station	"	105	40	721	72	18	131	162	128	0	210	0.3	14.8	1.82
	46674	"	"	"	"	205	40	699	68	12	135	152	120	0	212	0.2	12.8	1.98
	49346	6/47	"	"	"	105	40	761	59	19	156	172	131	0	224	0.25	15.1	2.6
San Miguel	44336	3/43	Sec. 7, T.21S, R.6E	Bd.Natl.Missions	"	712	567	291	50	0	28	19	T	0	132	2.1	7.3	0.6
San Simon	45221	2/44	Sec. 9, T.14S, R.31E	M.H. Butler	"	720	Artesian	203	4	5	43	86	0	0	86	12.5	0.3	13
	54293	3/49	T. 13S, R.30E	J. Chopek	"	160	70	661	105	4	62	68	134	0	278	5	16	0.6
	25860	6/44	Sec.30, T.13S, R.31E	Raymond Cordes	"	900	Artesian	348	15	0	95	14	84	7	139	5	4.2	-
	48818	9/46	Sec.22, T.14S, R.31E	D.N. Ellison	"	700	-	369	33	2	19	17	82	0	163	0.45	8.2	0.9

*Analyses in parts per million, and hardness in grains per gallon

**Filtered through bone filter

***U.S. Indian Irrigation Service, Coolidge, Arizona

Chemical Composition of Arizona Waters

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.)		Total soluble salts	Calcium	Magnesium	Sodium	Chlorides	Sulphates	Carbonates	Bicarbonates	Fluorine	Hardness	Na/Ca
						of well	to water											
San Simon	50357	9/47	Tomtsite	Roland Henshaw	Well	-	-	1072	75	11	244	154	300	0	288	1.65	13	3
"	44899	7/43	Sec. 18, T. 14S, R. 31E	A.B. Hulsey	" #1	-	-	436	3	2	134	36	116	0	136	8.5	0.9	45
"	47792	10/45	Sec. 12, T. 14S, R. 30E	E.W. Morton	" #1	-	-	426	2	T	134	21	45	44	195	15	0.3	67
"	47793	"	"	"	" #2	-	-	361	2	T	111	13	35	5	180	15	0.3	55.5
"	47794	"	"	"	" #3	-	-	377	2	T	119	26	52	7	157	14	0.3	59.5
"	47747	"	Sec. 30, T. 13S, R. 31E	Gordon Osborn	Well	903	60	352	13	3	88	14	80	0	150	3.5	2.6	6.77
"	46853	3/45	Sec. 33, T. 13S, R. 31E	J.L. Schud	"	700	Artesian	330	52	3	35	16	70	0	154	-	8.3	30
"	50178	8/47	Sec. 27, T. 13S, R. 30E	Geo. F. Sicks	"	1260	"	544	6	1	181	80	206	36	418	1.75	1.09	0.7
"	45169	10/43	Sec. 30, T. 13S, R. 31E	Mrs. Lois Sullivan	"	80	"	1014	126	0	178	88	380	9	218	5	19.8	1.3
"	52186	7/48	Tomtsite	S.P. RR	"	900	-	275	8	4	30	12	81	0	137	1.6	1.3	3.9
"	51897	6/48	--	S.C.S. Nursery	"	-	-	292	30	4	46	16	50	0	146	-	5.4	1.5
San Tan	43720	7/42	Sec. 29, T. 3S, R. 6E	San Tan #1	"	80	"	1108	120	0	246	337	150	0	273	1.6	17.5	2
"	43721	"	"	" #2	"	242	50	981	121	3	204	346	60	0	245	2.0	18.5	1.7
"	43722	"	Sec. 33, T. 3S, R. 6E	" #3	"	190	42	2265	285	35	422	713	150	0	358	1.4	50	1.5
"	45661	10/42	Sec. 3, T. 3S, R. 6E	"	"	-	-	1133	109	17	295	370	430	0	261	1.2	20.2	2.7
"	44069	11/42	Sec. 30, T. 3S, R. 6E	San Tan School	" #2	265	65	1093	69	15	263	341	118	6	245	2	13.2	3.8
"	44071	"	Sec. 33, T. 3S, R. 6E	San Tan Farm Sta.	Well	295	45	1159	106	17	256	156	0	236	1.3	19.7	2.4	
"	44068	"	Sec. 24, T. 3S, R. 6E	Substa. Pima Agency	"	228	48	867	163	0	119	27	110	0	203	0.9	23.8	0.73
"	46536	11/44	Sec. 26, T. 3S, R. 6E	S.P. RR	"	170	70	151.6	14.6	27	329	536	180	0	296	1.8	27.8	2.25
San Vicente	51726	4/49	Sec. 8, T. 16S, R. 7E	E.H. Walker	"	800	-	356	53	8	39	56	T	5	195	0.4	10	0.7
San Xavier	45618	4/47	Sec. 5, T. 15S, R. 13E	R.D. Jones	"	-	-	1657	11	T	492	130	210	26	785	3.16	1.6	44.7
"	50458	10/48	Sec. 17, T. 15S, R. 14E	R.V. LeKander	"	150	100	487	60	8	81	100	92	0	146	0.45	10.4	1.4
"	44995	7/46	Sec. 27, T. 15S, R. 13E	Major	"	-	-	440	56	6	60	25	88	0	204	1.2	9.6	1.1
"	48903	9/46	Sec. 22, T. 15S, R. 13E	Community Well	"	-	-	606	41	28	72	71	113	0	237	0.98	16.1	1.1
"	48904	7/46	Sec. 27, T. 15S, R. 13E	Mission Village	"	-	-	485	9	71	23	87	0	242	0.98	9.8	1.4	1.4
"	50574	11/47	Sec. 17, T. 15S, R. 14E	Ralph B. Moore	"	154	103	537	135	4	5	28	150	0	215	0.35	20	0.037
"	48906	7/46	Sec. 27, T. 15S, R. 13E	Orasco	"	-	-	449	55	9	59	24	67	0	24	1.02	10.2	1.1
"	48902	9/46	Sec. 22, T. 15S, R. 13E	San Xavier Mission	"	-	-	902	88	44	118	105	266	0	280	1.04	23.4	1.3
"	50180	8/47	Sec. 17, T. 15S, R. 14E	Ray J. Sieber	"	110	90	351	68	4	23	14	119	0	112	0.8	10.5	0.3
"	48919	3/47	Sec. 17, T. 15S, R. 13E	L.J. Vercellotti	"	405	60	3609	392	14	718	120	218.1	0	176	3.04	60.6	1.8
"	52023	7/48	Sec. 26, T. 15S, R. 13E	D. Franco	"	27	25	629	143	11	7	26	81	0	361	0.3	24	0.1
"	52025	"	Sec. 23, T. 15S, R. 13E	Community Well	"	46	42	1207	89	8	276	30	536	0	273	0.95	44	3.5
"	52025	"	Sec. 2, T. 16S, R. 13E	Indian Irrig. Serv.	"	180	40	349	53	8	5	18	8	0	0.7	1.81	0.1	0.1
"	52024	"	Sec. 35, T. 15S, R. 13E	" PWA	" #2	128	35	331	68	8	2	22	71	0	189	0.85	10	0.03
"	51907	"	Sec. 27, T. 15S, R. 13E	"	" #5	265	31	466	38	8	80	36	80	0	204	-	7.5	2.1
"	52028	"	Indian Serv. Windmill	" #1	"	-	55	359	60	4	46	24	T	0	224	0.5	10	0.8
"	52027	"	Sec. 3, T. 16S, R. 13E	"	" #2	106	85	732	53	19	136	20	279	0	222	0.95	13	2.6
"	52026	"	Sec. 14, T. 16S, R. 14E	"	" #3	68	58	227	45	4	9	12	20	0	132	1	8	0.2
"	51906	"	Sec. 22, T. 15S, R. 13E	Rios Irrig. Well	Well	44	36	977	90	11	177	44	275	0	376	-	16	1.9
Santa Rose (see 8611)	E1280	1/44	Sec. 27, T. 2N, R. 4E	Grade School	"	-	-	459	30	15	96	132	20	0	166	0.6	8	3.2
Scottsdale	E1279	"	"	High School	"	-	-	856	30	11	219	202	20	0	354	0.6	7	7.3
"	E1101	11/43	--	S. Water Co., S. well	"	-	-	460	23	23	104	198	10	0	102	0.6	8.7	4.5
"	E2172	"	--	"	"	-	-	681	30	45	128	212	90	0	176	0.6	15.2	4.3
"	E1103	11/43	--	" N. well	"	-	-	457	38	19	89	176	20	0	115	0.4	10	2.3
"	E1102	"	--	"	"	-	-	1118	150	56	126	94	250	5	237	0.8	35.6	0.8
"	B9657	1/48	Sec. 18, T. 2N, R. 4E	J.C. DeHaas	"	328	-	480	75	11	12	14	10	0	278	0.1	13.6	0.8
"	B9670	"	Sec. 27, T. 3N, R. 4E	Frank Gornick	"	318	-	210	45	19	-	-	-	0	0.4	-	11	-
Sedona	52065	6/48	Sec. 7, T. 17N, R. 6E	Municipal Supply	"	16	-	548	90	15	83	-	25	0	293	0.8	17	1
Seligman	51675	"	6 mi. SW of town	A.T. & S.F. RR	"	490	200	431	68	8	37	20	30	0	268	0.4	11.9	0.55
Sells	49802	6/47	T. 15S, R. 4E	Cababi Trad. Post	"	-	-	1794	56	163	282	603	0	0	690	0.15	47.4	5
"	49853	5/47	Sec. 26, T. 14S, R. 2E	Covered Wells Mission	"	-	-	651	40	48	77	93	37	0	355	1.1	17.4	1.9
"	49822	6/47	Sec. 25, T. 17S, R. 4E	Osborn Trad. Post	"	40	-	126	44	19	166	64	0	0	299	0.3	29.7	0.1
"	51284	4/48	Sec. 25, T. 17S, R. 4E	Papago Ind. Agency	"	-	-	705	90	8	35	12	25	0	307	0.65	15	0.3
"	49843	6/47	T. 14S, R. 1W	Tracy's Trad. Post	"	510	-	529	7	4	160	120	79	0	159	0.4	2	22.8

Sells	54880	5/49	--	Kerwo	Well	623	-	229	23	0	61	20			195	0.05	3	2.7		
"	54879	"	"	San Miguel	"	760	0	223	38	4	48	34	T	T	202	1.7	6.5	1.3		
"	54862	"	"	Santa Rosa	"	391	-	382	23	0	90	52	T	T	215	1.8	3.4	3.9		
"	54881	"	"	Vaya Chin	"	563	-	358	23	0	86	166	T	T	183	0.4	3.4	3.7		
Semeca	52079	6/48	36 mi. NE of Globe	Semeca	"	-	-	105	75	8	37	20		60	183	0.2	13	0.5		
Sentinel	50810	1/48	Sec.12, T.5S, R.9W	F.W. Jordan	"	615	12	1225	90	4	345	496		0	419	3.2	14	3.8		
"	50859	"	"	J.W. Jordan	"	615	12	711	85	8	117	280		0	150	0	43	1.8		
"	50526	10/47	Sec.23, T.5S, R.10W	John A. McGann	"	600	-	2243	735	38	136	720		0	134	0.6	119	0.2		
"	49859	5/47	Sec.32, T.6S, R.9W	S.P. RR	"	1320	180	780	22	2	248	24		0	199	0	55	3.7		
"	52321	7/48	Townsite	"	"	1030	180	779	53	0	212	226		0	184	0	98	7		
"	4122	8/48	Sec. 3, T.5S, R.5W	Dendora R.	"	90	-	2876	255	64	661	1125		0	420	0	278	-		
Short Creek	52607	"	Sec.24, T.11N, R.7W	Joe Farmaster	"	-	-	136	60	11	225	170		0	100	0	473	1.9		
"	52609	"	Sec. 6, T.11N, R.6W	Short Crk. School	"	20	-	492	52	4	85	60		0	293	0	32	8.5		
Showlow	56061	9/46	Sec.20, T.10N, R.22E	Showlow	"	-	-	448	75	23	11	22		0	50	0	16.3	0.1		
Shumway	47753	10/45	Sec. , T.12W, R.22E	Mrs. Ollie Neff	"	51	-	540	99	26	T	16		0	799	0.35	20.7	-		
Sybil	52187	7/48	Mile post 1041	S.P. RR	"	1000	325	312	30	4	51	16		T	195	1.6	4.5	1.7		
Silverbell	47987	"	Sec.23, T.12S, R.9E	Amer.Smelt.& Ref. Co.	"	442	280	1318	178	62	127	72		0	700	0	179	0.6		
"	51057	2/48	Sec.15, T.12S, R.2E	"	"	90	29	745	175	8	16	52		0	81	0	115	0.24		
"	44241	"	Sec.16, T.12S, R.2E	Cocio Ranch	"	50	17	473	129	0	29	430		0	29	0	228	1		
"	53210	"	Sec. 5, T.11S, R.2E	El Tirol Mine, Daisy Shaft	"	-	-	849	201	8	4	45		0	180	T	398	2		
Skull Valley	44928	8/43	Sec.33, T.14N, R.4W	Wm. Merrill Boshart	Well	20	17	462	90	0	12	28		T	0	312	0.7	13.1	0.3	
"	51638	5/48	Sec.32,33, T.14N, R.4W	Del Riggins	"	20	8	615	105	8	83	36		0	20	0	363	0.6		
"	51639	"	Sec.32,37, T.14N, R.4W	Bill Terwilliger	"	15	-	600	105	11	39	34		0	30	0	381	0.7		
Snowflake	50671	11/47	Sec.23, T.13N, R.21E	City Well	"	400	90	519	85	11	41	24		0	302	0.1	12	0.5		
"	47586	9/45	Sec.26, T.15N, R.26E	M.R. Dewitt	"	-	-	387	52	15	39	98		T	445	0.25	11.2	0.75		
"	46195	8/44	Sec.14, T.13N, R.21S	James W. Flake	"	-	-	223	48	12	0	10		0	47	0	100	0.2		
"	47585	9/45	Sec.13, T.13W, R.21E	"	"	-	-	330	40	16	24	20		0	52	8	168	0.1		
"	46128	8/44	"	M.H. Flake	"	290	60	193	24	1	30	9		20	7	102	-	3.7	1.2	
"	50673	11/47	--	John Ramsay	"	30	-	717	122	26	23	36		0	50	0	454	0.35		
"	50672	"	--	Hugh Willis	Surface	-	-	968	112	11	103	48		0	644	0.15	23	0.75		
"	53476	12/48	Sec.25, T.13N, R.22E	Concho Flat Ranch	Well	80	40	952	225	34	-	20		0	375	0	305	0.2		
"	52115	6/49	Sec.11, T.18N, R.18E	Martin Bushman	"	200	90	2377	215	15	621	970		0	336	0	224	0.6		
Solomonville	47771	10/45	Sec.19, T.7S, R.27E	City Water Supply	Bonito Crk.	-	-	756	38	8	29	20		73	259	0.3	7.4	1.55		
"	53402	12/48	Sec. 2, T.7S, R.27E	Frank Eohandria	Well	435	Artesian	391	5	22	8	18		0	12	234	5	5	9	
Somerton	49825	6/47	Sec.33, T.9S, R.24E	City Supply	"	-	-	1373	177	54	181	322		0	344	0	295	0.23		
"	49835	"	"	School	"	170	67	2217	202	67	449	498		0	626	0	405	0.3		
Sonita	48870	9/46	Sec. 5, T.21S, R.17E	S.O. Bartlett	"	150	75	374	71	6	23	40		0	5	0	227	0.2		
"	47294	7/45	Sec.21, T.19S, R.16E	C.P. Brown	"	365	-	317	60	7	14	22		T	0	212	0.4	10.5	0.2	
"	49752	6/47	Sec.24, T.20S, R.16E	School	"	230	225	231	44	5	10	16		0	150	0.2	7.6	0.2		
"	10468	10/48	"	"	"	121	225	249	68	0	0	30		0	151	0.2	10	0		
Springerville	48835	9/46	Townsite	Henry Enderstein	"	72	4	529	29	27	71	14		0	16	0	144	1.4		
"	47594	9/45	"	Mrs. C.E. Franklin	"	121	12	211	91	24	17	20		T	0	396	1	19.1	0.19	
"	50486	10/47	Sec.11, T.7N, R.30E	Mrs. G.L.Littlejohn	"	125	70	255	45	11	4	6		0	20	0	171	0.15		
"	46666	1/45	Sec.33, T.9N, R.29E	Round Valley Lt.& P.	"	260	200	456	7	7	26	15		0	292	-	8.1	-		
"	48837	9/46	Townsite	James C. Summers	"	70	18	566	55	27	61	43		0	30	0	346	1		
"	48867	"	Sec.35, T.9N, R.29E	W.H. Williams	"	196	40	456	34	16	67	29		0	12	0	897	0.75		
"	48243	11/46	Sec. 4, T.8N, R.23E	Mrs. Andrew Woods	"	15	12	55	64	34	27	34		0	372	0.64	17.5	0.4		
Steam Pump	49733	"	Sec.7, T.12S, R.14E	Hank Lieber	"	-	-	113	20	0	0	13		T	0	68	0	2.9	0.6	
Strawberry	47193	6/45	Sec.11, T.11N, R.6E	Verde Ind.Hot Springs	"	-	-	3849	115	44	1018	598		0	520	0	1577	-		
Stanfield	54292	-	Sec.31, T.5S, R.3E	--	Well	600	100	641	68	8	115	100		0	111	0	232	0.6		
Sunflower	52064	6/48	T.7S, R.6E	Sunflower	"	29	-	591	98	19	71	154		20	67	156	0.9	19	0.7	
Sunnyside Sch.	B1129	12/43	Sec.12, T.3N, R.3E	S. School (Phoenix)	"	-	-	321	45	4	38	24		15	2	193	1.4	7.5	0.8	
"	B2322	"	--	Cities Util.	" #1	-	-	644	25	34	123	114		0	290	0	44	11.4	5.3	
"	B2323	"	--	"	" #2	-	-	635	30	15	115	116		0	80	0	219	0.4	8	4.8
"	B2324	"	--	"	" #3	-	-	642	23	12	132	108		0	68	0	259	0.6	8.7	5.7
"	B6410	11/46	--	Desert Mission, New	"	186	-	1249	45	30	307	418		L70	0	249	2.8	13.8	6.8	
"	"	5/44	--	Selneck	Well	-	-	1709	23	30	509	376		7	244	2.2	10.5	2.2		
Superior	B5539	7/46	Sec.35, T.1S, R.12E	Ariz. Edison	"	-	-	395	53	15	32	24		0	251	0.2	11.3	0.6		

Chemical Composition of Arizona Waters

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*Analyzes in parts per million, and hardness in grains per gallon

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.)		Total soluble salts	Calcium	Magnesium	Sodium	Chlorides	Sulphates	Carbonates	Bicarbonates	Fluorine	Hardness	Mg/Ca	
						at top	well water												
Superior Surprise	49085	1/47	Sec. 7, T.2S, R.12E	Elwood Bergey, Jr.	Well	130	72	823	112	39	55	12	205	0	398	0.42	25.7	0.5	
	48775	9/46	Sec. 9, T.2S, R.12E	Rheem Res.Prod.	"	31	10	4.09	4.8	3	59	24	15	0	249	0.35	7.7	1.2	
	49809	6/47	Sec.11, T.3N, R.1W	Geo. Mason	"	187	150	331	70	12	T	28	26	0	196	0.2	13.1	-	
Tacna	48662	7/46	Sec.34, T.8 S, R.17W	Ralph's Mill	"	-	-	1133	20	6	376	381	258	0	89	3.24	4.4	18.8	
	49344	6/47	"	"	"	-	-	1200	30	36	393	240	0	93	2.06	4.8	12.2		
	49804	"	Sec.33, T.8S, R.17W	Tacna Serv.Sta.	Well	508	-	3061	150	36	939	1500	34.0	0	94	1.68	30.5	6.3	
	52211	7/48	"	Mr. Bloom	"	-	-	1965	203	83	334	680	34.8	0	307	0.2	50	1.6	
	52212	"	"	"	"	-	-	2024	180	45	450	760	284	0	305	0.1	38	2.5	
Tanque Verde	51105	3/48	Sec.29, T.13S, R.16E	Agua Caliente	"	60	-	505	30	8	110	36	150	0	171	2.85	6.4	3.8	
	49641	5/47	Sec. 6, T.14S, R.16E	L.A. Busby	"	52	20	391	20	T	96	22	69	0	173	1.9	2.9	4.8	
	49461	3/47	Sec. 1, T.14S, R.15E	Diamond W. Ranch	"	125	26	178	20	4	28	26	33	0	58	0.44	3.9	1.4	
	49021	11/46	Sec.16, T.13S, R.15E	El Sabino Ranch	Spring	-	-	89	10	1	14	9	11	0	38	0.3	1.7	1.4	
	49127	11/47	Sec.21, T.13S, R.15E	"	"	-	-	570	32	0	139	46	77	12	254	0.5	4.7	4.3	
	48840	9/46	Sec.20, T.13S, R.16E	Dr. Anton Krack	Spring	-	-	62	28	0	168	36	190	0	207	5.8	4.1	6	
	49659	5/47	Sec. 5, T.14S, R.16E	LeSage	Well	10	-	327	18	0	82	22	107	0	97	0.79	2.4	4.6	
	49462	3/47	Sec. 4, T.14S, R.15E	McQuire	"	-	91	348	32	3	35	26	15	0	137	0.22	5.4	1.1	
	49463	"	Sec. 5, T.14S, R.15E	Albert Nelson	"	-	64	234	21	5	39	26	15	0	128	0.18	3.3	1.8	
	48889	9/46	Sec.21, T.13S, R.15E	Forster W. Pell	"	-	-	510	26	4	110	50	80	0	289	0.58	6.2	3	
	47340	9/45	Sec.31, T.13S, R.15E	Rancho de la Sombra	"	30	15	161	15	0	32	14	18	0	82	-	2.2	2.1	
	51083	3/48	Sec.20, T.15S, R.16E	R.S. Robertson	Spring	202	60	575	52	4	108	36	150	0	215	2.75	8.6	2	
	51012	2/48	Sec.31, T.13S, R.16E	W.P. Ross	Well	-	-	627	30	0	172	124	150	0	146	4.85	4.3	5.8	
	"	49134	1/47	"	Sabino Canyon	"	-	-	112	17	0	25	62	8	0	0	-	2.5	1.5
	"	49656	5/47	Sec. 6, T.14S, R.16E	Sturaburg	Well	136	30	261	30	8	32	23	21	0	147	0.48	6.5	1.1
"	49460	3/47	Sec.12, T.14S, R.15E	J.W. Toland	"	-	107	239	18	6	43	26	17	0	128	0.68	4.1	2.4	
"	49447	5/47	Sec.34, T.13S, R.16E	D.P. Tracey	"	-	-	1124	62	17	270	116	454	0	201	4.5	13.1	4.4	
"	49446	"	Sec. 3, T.14S, R.16E	Valdez	"	30	18	1066	21	4	312	66	423	0	224	10	4	14.8	
Taylor	47750	10/45	Sec.34, T.13N, R.21E	Logan Brimhall	"	-	-	432	64	32	15	37	0	284	0	17	-		
	47752	"	Sec. , T.12W, R.21E	Mrs. L.Lillywhite	"	-	-	395	55	23	15	12	20	0	272	0.1	13.5	0.24	
	49866	6/47	Sec. 2, T.1S, R.3E	Mrs. M.R. Andrede	Spring	-	-	143	16	0	26	19	5	0	17	0.2	2.3	-	
Tempe	33246	5/45	townsite	City Water	"	-	-	1061	68	30	229	26.8	120	0	346	0.6	3.4	3.4	
	51624	5/48	Sec.15,22, T.1N, R.1E	"	"	-	-	803	98	11	80	284	100	0	232	0.25	31	0.8	
	47661	10/45	Sec. 4, T.1S, R.4E	Baton's Dairy	Well	21.0	-	2532	92	59	703	853	281	60	470	1	27.6	7.6	
	49662	5/47	Sec.15, T.1N, R.4E	Ford Proc.Plant	"	21.5	35	1080	87	28	231	26.9	98	0	346	0.42	14.9	2.6	
	47699	10/45	Sec.2or3, T.1S, R.4E	U of A Date Farm	"	52.5	23.4	1402	60	20	377	358	86	47	451	0.95	13.6	6.28	
Thatcher	50581	11/47	"	"	"	55	36	1282	60	4	335	350	79	0	453	1.25	9.7	5.5	
	51517	6/48	"	Woods	"	-	-	1681	510	8	10	450	550	0	173	0.8	77	0.02	
	52638	10/48	"	Orin Ferrin	"	-	-	704	8	8	704	300	0	166	2.5	17	2.3		
	52635	"	"	"	" #1	-	-	688	8	4	216	156	175	0	122	2.9	2.8	27	
	52636	"	"	"	" #2	-	-	2795	85	8	966	1460	210	0	61	2.9	14	12	
	52637	"	"	"	" #3	-	-	2314	85	8	782	1180	235	0	24	2.1	14	9.5	
	52639	"	"	"	" #4	-	-	2056	53	11	699	980	250	0	78	2.2	10.8	13	
Tiger Tolleson	49731	6/47	Sec.26, T.8S, R.16E	Tiger School	Well	1025	-	511	67	6	67	38	24	0	307	2.32	11.2	1	
	51169	5/45	"	Baden Water Co.	"	-	-	2003	21.8	116	302	810	320	0	237	0.1	59.4	1.4	
	51200	1/44	"	High School,	Old	-	-	692	11.8	49	46	290	50	0	144	0.2	28	0.4	
	"	"	"	City Well,	Now	-	-	639	23	41	136	242	70	0	127	0.2	13.2	5.9	
	"	"	"	New Well	"	-	-	701	53	26	150	258	90	2	122	0.2	14	2.8	
	"	"	"	"	"	-	-	640	23	30	153	230	80	0	124	0.4	4.7	6.6	
	"	"	"	"	Old City Supply, Baden	"	-	-	1554	180	113	189	664	210	0	198	0.1	53.2	1
Toltec	4441	8/48	T.7S, R.7E	DeLange	Well	1420	-	371	15	4	97	40	100	10	105	-	3.1	6.4	
	4442	"	"	"	"	650	-	419	30	11	77	40	80	0	181	-	7	2.6	
	51768	4/49	Sec.22, T.7S, R.7E	Shell Station	"	220	120	233	38	11	7	16	T	0	161	0.2	9	0.2	
	48245	3/46	Sec.1,2,11,12,20S,22E	Buachuwa Water Co.	"	305	360	347	42	11	35	20	11	0	224	0.57	22.4	0.8	
Tomstone	48720	7/46	Sec.26, T.23S, R.20E	City Water	Spring	-	-	5248	37	6	11	9	10	0	205	-	9.8	0.2	
	49763	6/47	Sec.11, T.20S, R.22E	"	"	-	-	266	53	10	T	14	T	2	187	0	10.1	-	

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.)		Total soluble salts	Calcium	Magnesium	Sodium	Chlorides	Sulphates	Carbonates	Bicarbonates	Fluorine	Hardness	Na/Ca
						to well	to water											
Tucson	48519	5/46	Sec. 23, T.13S, R.13E	Flowing Wells	Well	-	65	2856	590	52	231	521	1150	0	332	0.36	98.6	0.4
"	51277	4/48	Sec. 34, T.13S, R.13E	"	"	-	-	651	82	8	106	112	175	0	166	0.5	14	1.3
"	47444	6/45	Sec. 23, T.13S, R.13E	" Irrig. Dist.	" #9A	-	-	487	55	3	79	13	102	0	224	1.3	6.7	1.4
"	47442	"	"	"	" #55	-	-	990	106	21	152	36	320	0	351	1.4	20.5	1.4
"	48520	5/46	Sec. 22, T.13S, R.13E	Purray Rancho Chap.	"	-	73	4476	189	15	239	144	549	0	334	0.2	31.2	1.3
"	48550	7/46	Sec. 2, T.13S, R.13E	G.T. Garcia	"	-	59	233	101	12	67	28	203	0	289	-	17.1	0.6
"	50693	12/47	Sec. 7, T.16S, R.14E	Gate Brick Co.	"	102	28	457	60	11	25	28	77	0	286	-	13.1	0.6
"	52656	8/48	Sec. 6, T.15S, R.14E	R.A. Guinn	"	203	66	513	83	8	53	24	152	0	153	0.2	13.1	0.6
"	49020	11/46	Sec. 15, T.13S, R.15E	Haleyton Acres	"	-	212	215	53	0	2	112	7	0	146	0.4	8	-
"	52251	7/48	Sec. 8, T.13S, R.15E	Art Henderson	"	125	60	766	109	8	96	94	10	0	446	0.05	17.3	0.9
"	46226	7/48	Sec. 35, T.13S, R.15E	Elain M. Henkel	"	103	-	138	30	4	5	0	7	0	98	0.2	5.5	0.17
"	48587	4/47	Sec. 35, T.13S, R.14E	W. Hodges	"	-	35	436	76	6	33	29	25	0	259	0.4	12.5	0.4
"	48536	7/46	Sec. 27, T.13S, R.13E	W.L. Holladay	"	-	49	358	46	2	53	23	61	0	173	0.22	7.2	1.2
"	50665	3/47	Sec. 12, T.14S, R.13E	Home Ice Co.	"	-	-	437	61	7	88	47	7	0	130	0.2	6.9	1.4
"	50865	4/48	T.13S, R.13E	" Water Co.	"	-	-	426	75	4	37	20	75	0	215	0.6	11.6	0.5
"	48105	1/46	Sec. 26, T.14S, R.14E	Hosp., D-M Field	" #1	401	212	365	39	4	41	14	42	0	166	-	6.5	1.1
"	2 637	3/32	Sec. 9, T.13S, R.12E	Mr. Hubbard	Well	-	-	677	62	15	99	110	100	0	271	-	15.8	1.2
"	21280	7/32	Sec. 3, T.13S, R.14E	Byron Ivancovich	"	-	-	677	68	11	102	46	30	0	420	-	12.4	1.5
"	48095	1/46	Sec. 2, T.13S, R.14E	L.L. Jackson	"	-	-	234	44	1	17	10	12	0	150	0.1	6.7	0.4
"	45355	1/44	Sec. 16, T.13S, R.13E	Wynn's School	"	150	50	993	166	8	106	85	330	0	250	0	26.1	0.5
"	49586	4/47	Sec. 25, T.12S, R.14E	W.P. James	Spring	-	-	104	1	2	28	16	7	0	50	0.22	0.6	28.0
"	50128	7/47	Sec. 3, T.13S, R.12E	George Kelly	Well	264	135	470	68	8	50	60	7	0	244	0.8	11.5	0.9
"	48136	1/47	Sec. 4, T.14S, R.13E	R.W. Kerns	"	200	-	597	124	12	26	42	150	0	243	0.4	21	0.2
"	48311	4/46	Sec. 3, T.14S, R.13E	El Rio C. Club	"	26	6	1620	202	34	279	291	562	0	300	0.64	37.6	6.4
"	52039	7/48	Sec. 26, T.13S, R.13E	Bruce Knap	"	-	50	755	128	8	94	122	155	0	268	-	21	1.7
"	48958	11/46	Sec. 21, T.13S, R.12E	L.G. Lewis	"	146	60	1640	133	16	337	85	600	0	463	1	23.2	2.5
"	46667	1/46	Sec. 10, T.13S, R.12E	Chas. A. Logan	"	360	295	357	37	2	62	40	5	0	211	-	5.8	1.68
"	51902	6/48	Sec. 2, T.13S, R.14E	"	"	300	123	710	111	11	83	20	210	0	228	0.2	19	0.75
"	48459	7/46	Sec. 20, T.15S, R.15E	Fred Love	"	-	-	432	64	8	68	148	131	0	159	0.2	6.9	0.75
"	52032	7/48	Sec. 25, T.13S, R.15E	McClendon & White	" #2	925	115	1745	90	8	543	960	63	0	59	1.5	15	5
"	48617	6/46	Sec. 27, T.14S, R.13E	C.H. McDonald	Well	100	30	1029	85	15	199	51	303	0	370	1.4	15.7	2.1
"	49380	3/47	Sec. 12, T.13S, R.13E	K.W. McDonald	"	345	270	328	35	11	42	23	5	13	194	0.4	7.8	1.4
"	47544	10/45	Sec. 5, T.12S, R.14E	Walter Melrose	"	226	105	195	32	3	16	4	12	0	126	0.3	5.4	0.5
"	51901	7/48	Sec. 10, T.15S, R.13E	Widwale Farms	" #1	141	-	650	75	8	99	30	140	0	298	-	13	1.3
"	51902	"	Sec. 3, T.15S, R.13E	"	" #7	230	40	335	85	11	127	40	180	0	346	-	15	1.5
"	51944	"	Sec. 15, T.15S, R.13E	"	"	133	55	797	60	8	115	70	150	0	254	-	10.5	2.4
"	48226	7/46	Sec. 10, T.15S, R.13E	"	"	50	35	1052	132	12	118	38	255	0	458	0.7	22.2	1.1
"	48627	"	Sec. 3, T.15S, R.13E	"	" #2	164	36	994	125	18	134	41	300	0	367	0.5	22.6	1.1
"	51044	2/48	Sec. 10, T.14S, R.14E	Midway Drive-In	"	250	104	454	90	11	11	12	150	0	210	0.25	16	0.12
"	55068	5/48	Sec. 34, T.15S, R.14E	Monte Vista Water	"	232	79	278	30	4	44	26	30	0	142	0.5	5	1.5
"	51922	6/48	Sec. 10, T.14S, R.13E	Carl Moosman Murs.	"	100	53	893	112	11	129	40	250	0	351	0.9	19.3	1.1
"	52055	7/48	Sec. 20, T.13S, R.15E	Mrs. O. Myrland	"	360	298	295	45	11	20	12	108	0	188	-	10	0.13
"	52528	8/48	Sec. 11, T.17S, R.12E	J.F. Hauscher	"	-	-	580	173	15	104	56	7	0	224	0.6	29	3
"	20945	5/32	Sec. 9, T.13S, R.14E	A.J. Murray	"	-	-	270	7	7	110	14	7	0	132	-	2.8	16.0
"	48802	8/46	Sec. 36, T.14S, R.13E	Natl. City Water	"	-	-	509	70	6	68	30	44	0	188	0.3	11.6	1
"	54291	3/49	Sec. 7, T.17S, R.15E	Nielson	"	306	256	358	83	0	14	20	52	0	158	0.2	12	0.2
"	51292	4/48	Sec. 2, T.14S, R.13E	Olsen's Dairy	"	160	50	1046	142	18	140	102	300	0	344	0.3	25	1
"	51073	2/48	Sec. 7, T.14S, R.13E	Wm. L. Parache	"	207	140	585	15	4	151	94	77	12	232	0.36	3.1	11
"	51949	5/49	Sec. 20, T.14S, R.15E	Tacific Fruit Exp.	"	287	105	154	80	20	39	23	148	0	172	0.2	9	1.2
"	49640	5/47	Sec. 30, T.13S, R.13E	Pentacost	"	295	265	1076	109	22	130	63	347	7	329	1.2	21.2	1.5
"	49711	"	Sec. 1, T.14S, R.15E	F.F. Pixby	"	144	30	334	26	5	44	25	55	0	158	0.6	5	2.5
"	55037	5/49	Sec. 20, T.14S, R.14E	Pueblo Gardens	"	300	101	362	68	4	27	18	61	0	163	1	11	0.4
"	46826	3/45	Sec. 3, T.14S, R.14E	Harlin W. Porter	"	135	90	338	60	4	26	18	25	0	205	0.2	9.7	0.43
"	51352	5/48	Richland Hgt., L5, R28	E.J. Purcell	"	110	30	270	60	4	5	18	22	0	161	0.4	9.8	0.06
"	53720	2/49	Townsite	Rainbow Water Co.	"	620	100	236	30	4	39	58	7	7	98	0.4	5.4	1.3

Tucson	50675	12/47	Sec. 6, T.15S, R.15E	Rancho de las Lomas	Well	164	70	780	173	19	3	120	69	0	396	0.2	29	0.02
"	49713	4/47	Sec.21, T.15S, R.15E	Rancho San Xavier	"	-	-	468	11	65	8	58	0	0	220	0.5	11.2	1.4
"	50452	3/49	Sec. 5, T.15S, R.15E	Rancho Vistoso	"	522	120	170	38	14	8	8	0	0	120	0.2	-	-
"	50365	9/47	Sec. 2, T.15S, R.15E	Mrs. F.V. Rierel	"	360	256	297	22	11	23	14	20	0	157	0.6	7.6	1
"	49706	5/47	Sec. 8, T.15S, R.15E	Henry J. Rielly	"	310	257	213	27	14	10	20	7	0	155	0.4	7.3	0.4
"	51045	2/48	Sec.17, T.15S, R.15E	C.V. Rinchart	"	-	-	316	53	7	34	20	50	0	159	0.3	7.8	0.8
"	48217	3/46	Sec.13, T.15S, R.15E	Paul Roberts	"	205	54	233	40	3	17	9	14	0	147	0.06	6.6	0.4
"	47811	11/45	Sec.35, T.15S, R.15E	E.L. Rogers	"	56	-	2046	368	46	203	285	773	0	366	0.6	65.9	0.7
"	48624	7/46	Sec.34, T.15S, R.15E	"	"	-	-	959	102	2	171	44	280	0	354	1.12	15.4	1.7
"	51177	3/45	"	"	"	-	-	493	128	4	104	41	292	0	352	0.9	0.8	0.8
"	47022	2/45	Sec.31, T.15S, R.15E	Ernest Ross	Well	-	-	557	68	24	49	24	84	0	307	0.52	15.7	0.7
"	49742	6/47	Sec. 8, T.15S, R.15E	Russell Ranch Sch.	"	-	-	170	26	12	2	15	7	0	115	0.4	6.7	0.1
"	55044	6/49	Sec.10, T.15S, R.15E	Sahuaro Hill Water	"	-	132	188	45	0	5	20	7	0	117	0.6	7	0.1
"	50856	1/46	Sec.27, T.15S, R.15E	Monte Schwader	"	106	34	798	465	8	62	56	400	0	107	0.6	68.5	0.13
"	50112	7/47	Sec.34, T.15S, R.15E	S.C.S. Nursery	"	-	-	863	105	15	147	100	240	0	256	0.6	18.6	1.4
"	51060	2/48	Sec. 4, T.15S, R.15E	S.W. Seerist	"	358	368	5568	202	8	1668	1200	1904	0	586	0.65	31	8
"	48320	4/46	Sec.32, T.15S, R.15E	H.P. Sellers	"	118	50	229	45	4	7	10	12	0	174	0.25	7	0.9
"	46742	2/45	Sec.30, T.15S, R.15E	U.C. Settle	"	66	50	1054	248	20	54	268	280	0	179	0.2	44	0.22
"	45357	1/43	Sec.15, T.15S, R.15E	Shamrock Dairy	"	190	-	376	64	0	82	25	66	0	177	-	9.4	0.7
"	51908	6/48	Sec.21, T.15S, R.15E	Sharr	"	80	49	568	53	8	80	30	80	0	319	0.6	9.8	1.6
"	50593	11/47	Sec.17, T.15S, R.15E	Robt. W. Short	" #3	289	-	829	52	4	200	16	240	0	317	0.2	8.3	3.6
"	50353	10/47	Sec.20, T.15S, R.15E	"	" #4	309	98	578	75	49	5	62	50	0	337	0.2	22.5	0.07
"	47779	10/45	Sec.17, T.15S, R.15E	Ray J. Sieber	Well	158	90	129	76	0	45	24	92	0	192	0.4	11.1	0.6
"	50378	1/46	Sec.10, T.15S, R.15E	Southern Secur.	"	-	-	229	45	4	7	20	50	0	110	0.6	7.3	-
"	46733	6/47	Sec. 7, T.15S, R.15E	Steam Pump Ranch	"	380	-	113	20	0	12	13	7	0	68	0.2	2.9	0.6
"	51006	2/48	Sec.18, T.15S, R.15E	Marg. Stephenson	"	353	344	815	158	8	69	88	178	0	312	1.15	24.8	0.43
"	52040	7/48	Sec. 6, T.15S, R.15E	Skyklodge Airport	"	156	-	1067	165	8	161	142	298	0	293	-	26	1
"	52657	8/48	Sec. 7, T.15S, R.15E	E.C. Smith	"	-	-	458	60	4	64	44	86	0	220	0.2	9.8	1
"	52877	10/48	Sec.33, T.15S, R.15E	J.P. Strickland	"	608	565	316	45	0	44	21	7	0	198	0.2	6.6	0.9
"	47707	9/45	Sec. 5, T.15S, R.15E	Oral Tucker	"	200	120	273	32	14	33	19	19	8	148	0.25	6.7	0.85
"	48615	7/46	Sec. 2, T.15S, R.15E	Tucson City Water	" #3	171	40	612	86	15	42	121	121	0	306	0.5	16.2	1
"	20761	4/32	Sec.11, T.15S, R.15E	"	" #6	185	28	513	60	15	60	20	90	0	265	0.2	12.5	1
"	48617	7/46	Sec. 2, T.15S, R.15E	"	" #9	165	52	680	94	15	73	26	150	0	321	0.6	17.3	0.8
"	47468	6/45	Sec. 1, T.15S, R.15E	"	" #10	350	82	334	45	8	37	22	48	0	167	0.2	8.5	0.8
"	48618	7/46	Sec. 2, T.15S, R.15E	"	" #10	180	52	670	104	12	65	26	116	0	316	0.6	18	0.6
"	20760	4/32	Sec.11, T.15S, R.15E	"	" #11	281	49	528	52	19	69	20	100	0	268	-	12.4	1.3
"	47580	9/45	Sec.27, T.15S, R.15E	"	" #13	282	-	898	100	15	135	37	233	0	377	1	12.2	1.4
"	47521	"	"	"	" #14	202	64	516	66	16	66	36	106	0	272	1	16.2	1.5
"	48621	7/46	Sec.13, T.15S, R.15E	"	" #16	174	27	1063	68	16	271	32	280	0	102	1	13.8	4.0
"	45786	4/45	Sec. 7, T.15S, R.15E	" No. Side	" #1	508	137	894	44	0	43	16	40	4	150	0.2	6	1
"	45787	"	Sec. 8, T.15S, R.15E	"	" #2	510	153	283	40	2	36	14	31	3	157	0.2	6.3	1.0
"	45788	"	Sec. 7, T.15S, R.15E	"	" #3	506	132	311	44	2	44	13	50	0	161	0.2	6.3	0.9
"	45789	4/45	Sec. 8, T.15S, R.15E	"	" #4	449	147	288	40	2	38	13	35	4	156	0.2	6.3	0.9
"	45790	"	"	"	" #5	352	132	303	44	0	40	11	40	0	166	0.5	6.4	0.9
"	47156	"	Sec.16, T.15S, R.15E	"	" #7	340	115	295	42	4	4	15	16	0	144	0.2	7.1	0.8
"	45773	"	"	"	" #7	370	23	343	43	4	4	15	16	0	169	0.2	7.7	0.7
"	46952	4/48	Sec.30, T.15S, R.15E	"	" #8	308	125	255	33	0	32	12	30	0	126	0.3	4.6	1
"	49887	6/47	Sec.18, T.15S, R.15E	"	" #9	200	52	276	40	2	34	22	25	0	152	0.2	6.3	0.8
"	51007	2/48	"	"	" #12	350	92	388	58	3	46	24	52	0	205	0.1	9.2	0.8
"	48239	3/46	Sec.13, T.15S, R.15E	" So. Side	" #16	274	24	927	39	2	285	304	205	3	137	1.6	6.2	7.3
"	48774	4/46	Sec.36, T.15S, R.15E	" Rodco Unit	" #2	280	38	365	44	1	67	23	108	0	157	0.9	6.2	1.6
"	48611	7/46	"	"	" #2	304	105	320	25	4	65	22	82	0	120	2.2	4.4	4.6
"	49888	6/47	"	"	" #2	304	105	333	16	0	85	23	80	0	127	2.3	2.3	5.3
"	45774	4/45	Sec.35, T.15S, R.15E	" So. Side	" #1	476	44	542	63	8	80	21	124	0	246	0.7	11.1	1.3
"	48613	7/46	"	"	" #1	476	47	588	86	20	48	25	124	0	284	0.6	17.4	0.56
"	45776	4/45	Sec. 2, T.15S, R.15E	"	" #3	171	40	407	36	14	16	17	104	0	176	0.6	8.6	0.4
"	45777	"	Sec.11, T.15S, R.15E	"	" #6	105	25	495	85	12	38	40	108	0	212	0.4	15.3	0.4

Chemical Composition of Arizona Waters

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*Analyses in parts per million, and hardness in grains per gallon

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.)		Total soluble salts	Calcium	Magnesium	Sodium	Chlorides	Sulphates	Carbonates	Bicarbonates	Fluorine	Hardness	Na/Ca
						of well	to water											
Tucson	45778	4/45	Sec.35, T.14S, R.13E	City Water, So. Side	Well #7	275	47	450	43	13	69	23	128	0	174	0.4	9.4	1.6
"	45779	"	"	"	" #8	168	65	537	62	14	70	20	124	0	297	0.9	12.5	1.1
"	48616	7/46	"	"	" #8	168	66	604	87	8	70	24	120	0	244	0.5	14.6	0.8
"	45780	4/45	Sec. 2, T.15S, R.13E	"	" #9	165	52	466	42	15	71	20	136	0	182	0.7	9.8	1.7
"	45781	"	"	"	" #10	182	48	527	88	12	69	20	136	0	322	0.5	15.0	0.8
"	45782	"	Sec.11, T.15S, R.13E	"	" #11	281	45	561	50	15	58	15	98	0	265	0.7	10.9	1.1
"	45783	7/45	Sec.35, T.14S, R.13E	"	" #12	207	46	418	32	7	79	17	100	0	183	0.7	6.4	2.5
"	48619	7/46	"	"	" #12	207	51	510	74	10	52	20	103	0	250	0.6	13.2	0.7
"	45784	4/45	Sec.26, T.14S, R.13E	"	" #13	282	38	485	46	10	78	21	116	0	214	0.5	9.1	1.7
"	47577	9/45	"	"	" #13	282	38	440	38	1	88	24	85	0	204	1.2	5.7	2.3
"	45785	4/45	"	"	" #14	202	32	452	44	3	81	19	94	0	210	1.2	7.1	1.8
"	47579	9/45	"	"	" #14	202	32	362	26	0	85	22	78	5	118	2	3.8	5.3
"	48274	4/46	Sec.35, T.14S, R.13E	"	" #15	195	62	471	62	10	54	19	81	T	244	0.5	11.4	0.9
"	48620	7/46	"	"	" #15	52	52	471	66	14	43	20	86	0	242	0.4	13	0.6
"	48966	11/46	Sec.18, T.15S, R.14E	Consolidated Airport	Well	-	-	355	166	6	42	22	11	0	228	0.4	7.2	0.9
"	51046	2/48	Sec.31, T.13S, R.15E	Tucson Country Club	"	26	13	211	38	4	18	18	50	0	83	0.6	6.5	0.6
"	51353	5/48	Sec.35, T.13S, R.13E	Gas, El.Lt. & Power	"	210	40	1164	180	15	147	140	350	0	332	0.3	30	0.8
"	55240	7/49	DeMoss-Petri Road	"	"	500	63	768	105	4	144	190	252	T	73	0.8	16	1.4
"	51278	4/48	Sec.35, T.13S, R.13E	Tucson Hatchery	"	128	68	394	53	8	32	24	61	0	166	0.7	9.7	0.6
"	47191	6/45	T.13S, R.14E	Medical Center, New	"	204	-	322	46	2	45	22	30	0	181	0.4	7.2	0.9
"	49083	12/46	Sec.18, T.13S, R.14E	Municipal Airport	"	-	-	314	38	6	40	12	46	0	172	0.4	7	1
"	55362	8/49	--	Tucson Prison Farm	"	-	-	868	0	209	152	246	0	281	1.8	14	2.1	
"	56924	6/48	Sec.18, T.15S, R.14E	Munic. Airport #2	" #1	250	73	751	52	4	150	20	50	0	475	0.8	8.6	3
"	56925	"	"	"	" #2	320	70	361	52	4	144	28	50	0	183	0.9	8.6	0.85
"	56926	"	"	"	" #3	-	76	364	30	4	69	28	50	0	183	0.8	5.4	2.3
"	56927	"	"	"	" #4	-	80	361	30	8	62	28	56	0	183	0.8	1.4	2
"	52023	7/48	Sec.19, T.15S, R.14E	"	" #5	233	78	456	53	8	67	22	99	0	207	0.5	10	1.3
"	48625	4/47	Sec.20, T.15S, R.13E	Tucson Sower Farm, N	Well	56	56	396	98	14	169	106	91	T	206	-	17.7	1.7
"	49630	"	"	"	"	75	40	1210	202	7	174	261	329	T	236	1.3	31.2	0.9
"	49370	3/47	Townsite	Tucson Steam Ldry.	"	600	-	500	38	0	117	45	172	T	236	-	5	3.1
"	49653	5/47	Sec.12, T.14S, R.13E	Unit Laundry	"	603	-	467	10	0	142	72	140	0	102	0.6	1.4	14.2
"	48566	7/46	Sec. 7, T.14S, R.14E	U of A Agr. Bldg.	"	282	101	402	39	4	48	33	74	0	188	0.14	9.6	0.8
"	45132	9/43	Campus	U of A Lab. Tap	Blended	-	-	442	67	1	59	36	90	0	189	-	10	0.9
"	48808	8/46	Sec.34, T.13S, R.13E	New U of A Farm	Well	201	37	994	102	12	168	129	300	0	254	0.62	17.8	1.8
"	48567	7/46	Sec. 7, T.14S, R.14E	New U of A Campus	"	500	112	472	70	8	53	39	86	0	200	0.12	12.1	0.8
"	48537	4/46	Sec.12, T.14S, R.13E	Valley Bank	" #1	315	50	316	32	10	148	92	325	0	219	0.5	15.8	1.6
"	48336	2/47	Sec.36, T.14S, R.12E	O.P. Verch	Well	198	36	208	45	28	574	300	520	0	644	0.44	13.3	12.8
"	50528	10/47	"	"	"	201	70	1223	165	38	236	444	500	0	468	1.05	31.2	1.4
"	49769	6/47	Sec.25, T.14S, R.13E	Veterans Hosp.	" #1	-	-	418	12	0	127	32	122	26	94	4.6	1.6	10.6
"	49770	"	"	"	" #2	-	-	412	42	1	114	34	163	0	170	1.5	6.4	2.7
"	48558	7/46	Sec.19, T.15S, R.14E	T.S. Wallmark	Well	228	-	615	94	20	52	25	223	0	199	0.16	18.5	0.6
"	49639	5/47	Sec.24, T.13S, R.12E	C.W. Watson	"	-	207	373	52	16	29	36	4	9	227	0.25	11.4	0.6
"	48552	7/46	Sec.31, T.14S, R.14E	Weinstein	"	-	87	571	88	6	69	26	200	T	132	0.2	14.3	0.8
"	48310	4/46	Sec. 4, T.15S, R.13E	L.A. Whitney	"	-	-	571	88	6	69	26	200	T	132	0.2	14.3	0.8
"	48066	1/46	Sec.20, T.13S, R.14E	R.H. Wilcox	"	-	-	268	42	2	25	7	171	0	171	0.2	6.6	0.7
"	48545	6/46	Sec.14, T.14S, R.14E	Williams Addn.	"	-	165	209	32	6	44	16	T	0	135	0.3	6.1	0.4
"	51273	4/48	Sec.35, T.13S, R.13E	G.P. Woods	"	200	44	475	60	4	74	16	175	0	146	0.55	9.7	1.2
"	48839	9/46	Sec.25, T.13S, R.13E	M.H. Young	"	80	40	2222	292	32	34	117	1149	0	391	-	50.3	1.2
Tumacacori	49759	6/47	Sec.30, T.21S, R.13E	Netl. Monument	"	77	64	192	29	3	11	16	0	T	128	0.18	6.2	0.4
Ulling	51695	5/48	Sec. 5, T.5N, R.15W	S.F. RR	Well	876	130	913	45	8	250	264	160	0	138	2	8.6	5.5
Vail	48681	7/46	Sec. 8, T. , R.15E	Harris	"	86	63	222	11	3	5	12	T	0	156	0.08	7.9	0.1
"	48565	"	Sec.25, T.16S, R.16E	Mt. View Station	"	-	-	434	36	4	60	44	28	0	222	0.56	9.1	1.1
"	52523	8/48	Sec.27, T.15S, R.15E	S.P. RR	"	412	60	302	60	4	15	16	0	0	176	0.5	9.8	0.25
"	52517	-	Sec. 7, T.15S, R.16E	Arrow E. Ranch	"	130	99	161	23	8	7	10	T	0	110	0.1	5.4	0.3

Vail	52520	-	Sec.21, T.16S, R.16E	Charles Beach	Well	630	576	82L	120	4	107	36	268	0	228	0.5	18.5	0.9
	52518	-	Sec.18, T.15S, R.16E	Fletcher	"	361	130	221	30	4	28	4.0	7	0	115	0.1	5.4	-
	52521	-	T.16S, R.16E	J.F. Hutton	"	-	-	76L	113	8	107	36	300	12	199	0.7	18.4	0.9
Valencia	81016	-	--	--	"	24L	-	8L	113	56	91	326	14.0	0	122	1.5	5.4	0.8
	81878	-	Sec.32, T.1N, R.2W	R.T.D. Office	"	-	-	355	15	8	79	40	35	0	171	1.3	4	5.3
Valentine	51571	5/48	Sec.10, T.23N, R.13W	Truxton Canyon Agency	"	42	25	667	120	30	18	68	75	0	358	0.5	25	0.15
Verde	47193	6/45	T.13N, R.6E	Indian Hot Springs	"	-	-	584	115	41	1018	598	520	0	1557	-	26.7	8.8
Vernon	35102	5/48	Sec.21, T.10N, R.25E	"	Well	-	-	257	20	8	28	13	7	0	173	-	5.4	0.9
Vicksburg	45556	2/44	Sec. 8, T.4N, R.15W	N.G. Mitchell	" #1	206	120	918	4.5	7	265	24L	21	2	152	0	2.7	5.89
"	45455	"	"	"	" #3	325	120	1628	232	6	286	219	860	0	25	-	4.9	1.23
"	45456	"	"	"	" #4	310	100	1159	289	4	234	176	800	0	16	-	23.5	1.02
Vaya Chin (see Sells)																		
Waddell	83934	10/45	--	Roswell Cotton Co.	Well	-	-	340	23	8	67	30	60	0	156	0.4	5.1	2.9
Wagon	50197	10/47	Sec.24, T.8S, R.13W	Arizona Edison	From Naco	-	-	329	75	4	16	7	232	0	232	0.2	-	-
Wailton	49855	5/47	Sec. 5, T.9S, R.18W	R.H. McIlmaney	Well	-	-	2703	428	45	44L	360	0	176	0.65	73	0.96	
"	49845	"	"	L.C. Spain	"	80	35	1706	61	41	48L	64L	230	19	226	1.4L	18.8	5.0
"	52229	7/48	Townsite	S.P. RR.	"	-	-	1581	105	30	409	64.0	131	11	254	1.2	22.5	3.9
"	46946	4/45	Sec. 2, T.9S, R.19W	S.P. Co	"	14.0	52	1312	143	4.5	30	980	26.8	0	244	1.5	31.9	0.2
Wenden	49803	6/47	Sec.32, T.6N, R.12W	B.C. Wilburn	"	-	-	2398	202	4.6	54.3	94.8	320	0	239	4	40.5	2.7
White River	49668	"	Sec.23, T.42N, R.22E	School	River	250	-	135	29	5	76	30	44	10	178	3.3	5.4	2.6
"	49670	"	Sec.25, T.5N, R.22E	Channon Day	"	-	-	185	34	0	15	8	19	0	107	0.15	5	0.4
"	48309	9/46	Sec.23, T.5N, R.22E	East Fork	"	-	-	445	64	12	27	17	16	0	278	0.1	12.5	0.4
"	49669	6/47	Sec.12, T.5N, R.22E	Etapache Agency	Spring	-	-	371	66	3	26	32	9	0	295	0.1	10.4	0.4
"	49671	"	Sec.19, T.6N, R.21E	North Fork	"	-	-	326	58	8	17	13	38	0	192	0.17	10.4	0.3
"	49672	"	"	Cedar Creek Sch.	Well	22	-	1166	252	51	99	24	752	0	288	0.4L	49	0.4
Wickenburg	82769	3/45	Sec.10, T.6N, R.14W	Stockmans Carriza	"	Dee	-	1043	179	4.7	43	32	404	0	336	0.45	37.9	0.2
"	49828	6/47	Sec.4 or 9, T.7N, R.7W	Cactus Garden Lodge	"	60	-	521	57	14	69	42	53	0	285	0.85	11.7	1.2
"	83644	10/45	--	City	"	-	-	436	45	19	48	28	50	0	246	0.4	11.1	1
"	46549	1/45	Sec.20, T.7N, R.14W	Clarborne Academy	"	-	-	313	25	7	71	33	12	10	156	5.8	3.6	2.8
"	46050	7/44	Sec.25, T.7N, R.3W	F N Bar Ranch	"	-	-	608	75	19	68	80	30	0	320	0.1	15.4	0.9
"	82768	3/45	--	Hassayampa	River	-	-	47L	28	20	32	36	38	0	270	0.65	14.7	0.47
"	81029	-	Sec.12, T.6N, R.5W	E.P. Hielton	Well	206	40	8235	609	94	208	38	1950	0	334	2	111.5	0.3
"	49829	6/47	Sec. 1, T.7N, R.25W	Remuda Ranch	"	-	-	572	60	30	52	28	75	0	327	0.4	16	0.57
"	86776	12/46	--	Vulture Mine Sch.	"	-	-	444	15	26	70	28	25	2	278	2.6	8.5	4.7
"	81032	11/45	Townsite	City Water	"	90	30	658	56	27	93	29	175	0	273	0.3	14.7	1.7
Wickieup	51592	5/48	Sec.9, T.16N, R.13W	Wickenburg Court	"	-	-	452	53	26	33	24	40	12	264	0.4	13.9	0.62
"	85063	8/47	14, 14, N	Grado School	"	-	-	492	38	34	44	26	50	0	290	0.4	13.5	1.2
"	51648	5/48	Sec.26-35, T.16N, R.13W	Tommy Bowers	"	25	20	1254	225	26	154	225	225	0	361	1.3	36.8	0.69
"	51649	"	T.16N, R.13W	Eldon Brainard	"	-	-	623	75	26	85	62	150	0	325	1.8	17.2	2
"	51652	"	T.16N, R.14W	Carl Duncan	"	25	20	1236	90	15	258	160	175	0	527	1.5	17	2.9
"	51653	"	Sec.22, T.16N, R.13W	Leonard Stephens	"	30	-	379	52	8	48	74	25	0	175	1.2	8.6	1.0
"	51651	"	Sec. , T.16N, R.14W	W.C. Thompson	"	-	-	617	75	11	85	70	50	0	327	1.3	14	1.1
Wilhoit	51655	"	14, 14, N Peoples Valley	Wickieup School	"	-	-	1004	235	8	64	220	125	0	331	1.1	36.3	0.27
Willcox	46957	5/42	Sec.9, T.16S, R.25E	Wilhoit	"	448	120	899	105	19	106	94	75	0	439	1.2	20.2	3
"	46854	3/45	Sec.31, T.13S, R.25E	C.M. Anderson	"	-	-	213	22	5	27	11	60	0	235	1.2	5.5	0.8
"	46131	7/44	Sec.15, T.13S, R.24E	Ariz. Range News	"	160	28	1620	146	40	325	690	220	0	153	1.4	4.3	1.7
"	46561	11/44	Sec.27, 34, T.11S, R.22E	Mr. Christian	"	-	-	189	29	0	22	14	7	0	124	-	4.2	0.8
"	46575	"	Sec. 6, T.14S, R.25E	S.W. Craig	"	-	-	365	46	40	365	690	220	0	197	1.9	30.9	2.9
"	44190	1/43	Sec. 6, T.14S, R.25E	F.H. Froelich	Spring	-	-	233	37	2	22	8	5	0	159	0.05	5.8	0.6
"	47086	5/45	Sec.15, T.13S, R.23E	Frank Harris	Well	-	-	443	51	2	69	16	38	0	266	1.3	7.9	1.35
"	46859	3/45	Sec.15, T.16S, R.25E	Gov. J. Holt	"	125	190	263	64	0	0	36	7	0	122	0.2	3.2	-
"	50744	12/47	Sec.31, T.13S, R.25E	Olive Hutchinson	"	950	Artesian	213	38	0	26	7	70	0	100	-	6	0.7
"	16858	3/45	Sec.31, T.13S, R.25E	C.R. Madinger	"	-	-	1169	8	0	363	44.6	15	14	311	10.5	1.2	45.4
"	47774	10/45	Sec.4, 30, T.14S, R.25E	Reed Murphree	"	34.8	18	262	45	4	16	20	40	0	137	0.6	7	0.4
				H.O. Parks	"	-	-	878	86	9	132	76	88	0	466	1.2	14.7	1.8
				Ranch	"	-	-	213	468	14.6	33	992	298	0	185	0.9	60.6	0.07

*Analyses in parts per million, and hardness in grains per gallon

Locality	Lab. no.	Date	Legal description	Owner	Source	Depth (ft.)		Total soluble salts	Calcium	Magnesium	Sodium	Chlorides	Sulphates	Carbonates	Bicarbonates	Fluorine	Hardness	Na/Ca
						of well	to water											
Willcox	51312	4/48	Sec. 6, T.14S, R.25E	V.F. Sevamer	Well	39	-	374	52	4	44	30	T	0	242	2.5	8.6	0.8
"	51594	5/48	Sec.21, T.13S, R.24E	Paul Tompson	"	-	-	256	175	4	16	24	25	0	139	0.45	7.4	0.35
"	5373	6/43	"	U.S.Army Eng. Wl	"	-	-	2034	153	98	362	422	800	0	124	1.3	48.5	2.1
"	5712	5/47	Sec.32, T.13S, R.25E	Willcox	"	85	18	67	10	10	131	61	39	0	359	1.06	6.8	0.8
"	46261	9/44	Sec. 6, T.14S, R.25E	" City Water	"	-	-	531	49	7	91	37	T	0	308	2.1	8.8	1.86
"	46576	11/44	"	"	"	-	-	808	17	2	93	31	28	0	305	1.8	7.3	1.28
"	46856	3/45	Sec.31, T.13S, R.25E	"	"	-	-	535	40	4	107	44	30	0	308	2	6.8	2.7
"	47775	10/45	Sec.31, T.13S, R.25E	S.Spr.Valley Elec.	"	-	-	540	30	8	115	46	34	17	305	1.9	6.3	3.8
"	52828	9/48	Sec. 6, T.14S, R.25E	"	"	-	-	419	53	0	48	24	63	0	289	1	7.7	0.9
"	52827	9/48	"	Ernest Johns	"	-	-	267	23	8	39	52	T	0	281	0.7	5	1.7
"	52825	7/48	Sec. 6, T.14S, R.25E	Mrs. Mae Baldrige	"	-	-	590	63	4	165	30	137	0	447	0.9	13	2
"	52845	"	Sec.29, T.13S, R.25E	Pat Brown	"	60	20	316	38	0	51	30	T	0	195	1.5	5.7	1.3
"	52115	"	Sec.31, T.13S, R.25E	Marvin D. Johnson	"	108	30	269	23	8	44	40	T	0	194	0.9	5	1.9
"	52126	"	Sec.35, T.13S, R.24E	Henry Meredith	"	91	12	239	8	4	60	44	T	0	173	High	2	7.5
"	52127	"	Sec.31, T.13S, R.25E	Willcox City Water	"	-	-	502	45	4	92	40	0	0	268	0.9	8	2
"	52234	"	"	"	"	-	-	679	55	4	143	94	61	0	334	1.8	8.9	2.7
Williams	52061	6/48	Sec.33, T.22N, R.2E	Williams City Supply	"	-	-	556	19	48	44	20	0	332	0.5	17	0.6	0.6
Willow Springs	52625	8/48	"	Indian Service	"	-	-	1650	8	8	80	280	0	240	2.5	3.2	5.8	2
Winkelman	49736	6/47	Sec.24, T.5S, R.15E	Ariz. Edison Co.	"	30	23	965	98	19	187	264	130	0	264	1	18.9	1.9
"	54861	5/49	"	Dillard Shartzler	"	-	-	345	60	4	25	18	T	0	237	1.2	8.6	0.4
"	47709	10/45	Sec.35, T.14S, R.14E	Frank Valencia	"	35	8	1994	160	59	421	624	315	0	345	-	37.5	2.7
"	52747	9/48	"	Paul F. Adams	"	80	72	4929	98	4	1750	2420	472	0	183	1.6	15	17.9
Winslow	44518	4/43	T.19N, R.15E	R.L. Boyd	"	40	15	3223	237	72	1113	1625	290	0	586	0.3	52.6	4.7
"	44753	5/45	Clear Creek	City Water Supply	Surface	-	-	3576	142	30	2192	527	54	0	295	0.7	40.4	15.4
"	45727	12/44	"	"	"	-	-	1084	54	27	367	557	48	13	218	0.1	14.4	6.8
"	46834	3/45	Sec.27, T.19N, R.15E	"	Clear Crk.	-	-	473	26	9	120	157	20	3	138	0.15	6	4.92
"	47803	11/45	T.19N, R.15E	"	"	-	-	2792	94	44	872	1364	142	0	276	0.09	24.3	9.3
"	49708	5/21	Sec.34, T.18N, R.18E	Tom Ortega	Well	250	Artesian	1914	98	49	456	692	300	0	276	0.46	26.1	5.1
"	51079	2/48	Sec. 1, T.19N, R.14E	James Stratton	"	214	444	1772	90	8	416	920	70	0	268	0.22	15	4.7
Wittman	49819	6/47	Sec.14, T.5N, R.3W	Stanley's Garage	"	600	490	386	86	6	34	40	25	8	207	2.28	14	0.2
Woodruff	49444	9/44	Sec.17, T.16N, R.22E	Community Supply	"	120	20	661	95	27	62	89	136	T	254	120	20.1	0.67
Wrightstom	48924	6/46	Sec. 6, T.14S, R.15E	G.T. Eastersville	"	24	20	1592	24	7	59	59	69	0	234	5.2	21.8	2.8
"	48164	2/46	Sec.10, T.14S, R.14E	M.L. Duncan	"	285	-	220	34	3	30	15	14	0	144	0.1	5.2	0.9
"	46214	9/44	12 mi. E of Tucson	A.F. Fuller	"	-	-	247	44	7	93	20	43	0	114	0.75	7.1	2.23
"	42655	5/47	Sec. 8, T.14S, R.15E	Stephen Collob	"	-	157	441	82	6	30	26	62	0	235	0.25	13.4	0.4
"	46958	5/47	Sec. 9, T.14S, R.15E	P.T. Garrigan	"	265	188	239	34	11	18	27	15	0	151	0.25	8.3	0.5
"	49424	2/47	Sec. 4, T.14S, R.15E	Coodell	"	240	151	244	32	2	34	22	15	0	139	0.25	5.2	1.1
"	48481	5/46	Sec. 2, T.14S, R.15E	Gordon Hill	"	90	40	250	40	3	32	15	20	0	162	0.64	6.6	0.8
"	48287	4/44	Sec. 2, T.14S, R.15E	John Motowchlin	"	135	90	235	44	6	25	25	25	0	135	0.7	6.4	0.74
"	49521	3/47	Sec.25, T.14S, R.14E	E.J. Meyer	"	425	372	234	41	8	36	26	17	0	171	0.28	6.9	0.9
"	49133	1/47	Sec. 4, T.14S, R.15E	Jas.R. Riley, Jr.	"	-	-	377	36	1	71	22	62	0	184	0.55	5.5	2
"	49419	3/47	Sec. 6, T.14S, R.16E	Trego, J.C.	"	450	127	624	52	0	263	86	28	10	169	0.85	1	37.6
"	50586	11/47	Sec. 8, T.14S, R.16E	"	"	477	152	2103	7	4	759	920	225	82	61	0.25	6.3	15
"	49657	5/47	Sec.23, T.14S, R.15E	W.P. Tipton	"	330	275	290	44	2	33	25	3	0	185	0.23	6.9	0.8
"	49173	1/47	Sec.25, T.14S, R.15E	Louis A. Wilson	"	350	250	379	32	2	65	24	T	10	235	1.64	6.2	1.7
"	49439	3/47	Sec. 3, T.14S, R.15E	Wrightstom School	"	-	69	220	20	6	44	31	34	0	134	0.2	4.4	2.5
"	52508	8/48	1/2 mi. W of School	Mrs. Geo. Trapman	"	140	40	135	45	4	0	30	T	0	102	0.5	8	0
Wymola	52227	7/48	Sec. 1, T.10S, R.7E	"	"	-	-	257	45	8	2	8	0	0	34	0.5	8.6	0.6
"	52222	"	Sec.11, T.10S, R.6E	"	"	600	150	651	53	8	140	120	150	0	171	0.8	9.7	2.6
"	52224	"	Sec.12, T.10S, R.6E	Thomson #3	"	-	100	608	53	8	120	78	134	0	210	0.9	9.7	2.3
Yarnell	51688	5/48	Sec.11, T.10N, R.5W	Howard Marine	Well	75	94	509	68	15	48	40	20	0	317	0.65	13.8	0.7
"	51687	"	"	Mrs. Roy Norton	"	37	9	485	67	11	41	36	20	0	307	0.95	12.8	0.6
"	51666	"	"	School Dist. #52	"	48	45	191	30	8	11	18	T	0	124	0.6	6.4	0.36
"	51669	"	"	Village Supply	"	-	-	313	45	11	23	34	T	0	200	0.3	9.6	0.5
Yave	51641	"	Sec.16, T.13N, R.6W	W.C. Satathito	"	23	20	711	60	8	131	60	50	0	400	1.8	10.7	2.2

Young	40587	-	Sec.19, T.9N, R.14E	--	-	-	-	223	36	6	12	8	T	0	161	-	6.8	0.5
Yucca	50689	12/47	Sec.14, T.16N, R.16W	Keith E. Smith	-	-	-	966	135	11	24.0	160	320	0	127	2.9	22	1.8
Yuma	50144	10/47	Sec.26, T.8S, R.22W	Lee Bradley,	2" Well	94	32	1435	127	45	29.0	500	168	0	305	0.6	29	2.3
"	50145	"	"	"	1" "	32	32	1671	165	56	320	612	196	0	322	0.55	36	1.9
"	50146	"	"	"	20" "	153	33	1245	120	38	233	432	150	0	342	0.4	26	1.9
"	51070	2/48	Sec.36, T.8S, R.22W	Henry Bradley	"	"	"	1856	218	56	338	740	206	0	303	1.3	45.5	1.5
"	47796	11/45	Sec.30, T.8S, R.23W	C.A.A.	"	"	"	2268	254	61	431	814	394	0	313	0.6	51.8	1.6
"	83068	-	--	Colorado River	"	"	"	898	90	30	142	98	390	0	188	0.4	20.3	1.7
"	53573	1/48	Sec.30, T.9S, R.23W	Harold Corey	Well	125	6	264.0	293	64	54.0	1180	207	0	365	0.4	59	1.8
"	53338	10/48	--	Crane School	"	"	"	1435	263	15	1.0	300	54	0	303	0.4	42	0.04
"	49638	5/47	Townsite	W.E. Ellison	"	"	"	868	46	17	21.0	212	111	T	271	0.55	10.8	4.6
"	46512	11/44	Sec.35, T.8S, R.23W	Chas. N. Flint	"	"	"	1713	153	27	409	735	124	0	281	-	28.8	2.67
"	49805	6/47	Sec.27, T.8S, R.22W	Gila Center Store	"	125	-	1290	22	71	312	445	11.0	0	301	0.9	20.3	14.2
"	50606	12/47	Sec.28, T.9S, R.23W	Gila Project Farm	"	120	76	1556	105	18	526	478	175	0	256	0.2	18	5
"	49453	3/47	Sec. 3, T.8S, R.21W	W.E. Glasow	"	"	"	2025	175	71	387	844	268	0	277	0.6	42.6	2.2
"	48445	10/44	Sec.26, T.8S, R.23W	Leon Kennedy	"	"	"	1897	155	41	324	587	110	0	380	0.5	32.5	2.1
"	51736	6/48	Sec.23, T.8S, R.18W	Robt. J. Woody	"	200	125	1538	158	15	298	544	375	0	48	0.2	27	1.9
"	50165	8/47	Sec.33, T.7S, R.15W	Pace	"	"	"	2945	188	94	736	1400	375	0	151	0.9	49	3.9
"	50369	10/47	Sec.19, T.8S, R.25W	Sanford Sketo	"	"	"	1865	240	50	361	680	300	0	234	0.2	47	1.5
"	49814	6/47	T.7S, R.21W	State Hwy. Dept.	"	"	"	929	53	6	268	336	150	0	110	6.2	9.2	5
"	47024	5/45	Sec.30, T.9S, R.23W	U. of A. Farm	"	"	"	773	88	34	93	82	250	0	225	0.59	21	1.1
"	49488	4/47	"	"	"	22	6	953	108	28	142	115	395	0	234	0.58	22.5	1.5
"	"	"	"	"	drainage	"	"	1685	218	4	404	510	394	0	351	0.7	32	1.9
"	"	"	"	"	"	"	"	909	143	4	115	160	328	7	159	0.5	21	0.3
"	"	"	"	"	"	"	"	926	136	25	99	77	295	0	294	-	26	0.7
"	46599	3/44	"	UA Farm, Yuma Valley	Well	15	15	3624	450	38	759	1500	314	0	469	1.8	75	1.7
"	54651	3/49	"	"	"	5.5	-	766	98	26	100	96	300	0	446	0.4	20.6	1
"	50603	8/46	Sec.21, T.8S, R.22W	Yuma City Water	Colorado River	"	"	650	112	30	39	114	175	0	180	0.2	24	0.5
"	50607	12/47	"	"	"	"	"	708	120	11	78	104	210	0	185	0.75	20.5	0.6
"	51702	5/48	"	"	"	"	"	1067	68	34	264	478	120	0	-	-	18.4	3.9
"	43458	-	Sec.10, T.9S, R.23W	Yuma Fly Field	"	"	"	1729	105	11	465	580	175	0	390	0.2	18	4.5
"	52556	8/48	Sec.25, T.8S, R.23W	Gunther & Shirley-	Well #2	180	35	1479	105	11	372	454	160	0	354	0.2	16	3.5
"	52557	"	"	"	" #3	180	35	1314	105	15	310	380	150	0	351	0.3	19	3
"	52558	"	"	"	" #5	180	35	-	-	-	-	-	-	0	-	-	-	-
"	"	"	"	"	" #4	65	-	2856	590	52	231	521	1130	0	332	0.4	98.6	0.4
Flowing Wells	49519	5/46	Sec.23, T.13S, R.13E	--	"	65	-	589	86	3	80	46	138	0	230	-	13.3	0.9
"	49523	3/47	Sec.26, T.13S, R.13E	--	"	74	-	651	82	8	108	112	175	0	166	0.5	14	1.3
"	51277	4/48	Sec.34, T.13S, R.13E	--	"	-	-	487	55	3	79	18	102	0	224	1.3	8.7	1.4
"	47440	8/45	Sec.23, T.14S, R.13E	---	"	#9A	-	990	106	21	152	36	320	0	351	1.4	20.5	1.4
"	47442	8/45	"	---	"	#55	-	-	-	-	-	-	-	0	-	-	-	-
"	47444	"	Sec.14, T.14S, R.13E	---	"	#51	-	737	56	3	159	40	202	0	273	3.0	8.9	2.8

*Analyses in parts per million, and hardness in grains per gallon

TABLE 7. The Fluorine Content
of Certain Arizona Waters

Lab. no.	Locality	Description	Fluorine p.p.m.
380	Agua Caliente	Submitted by C. Lindner	3.7
1544	"	Submitted by Dr. Evans	1.5
1561	"	McDonald well, 15 mi. N	1.2
3026	"	Artesian supply	5.2
2218	"	Spring water, sub. by L. Smith	5.2
578	Aguila	Town well	0.6
2550	"	A.T. & S.F. RR well	3.2
1928	Ajo	A.C. Netherline	2.3
1929	"	J.C. Basham	2.0
1930	"	Homer Brown	1.3
1931	"	New Cornelia Hospital	5.7
1932	"	Nancy E. Sneed	0.5
2095	"	Gibson, Ariz.	0.9
2191	"	Mrs. Emma O'Brien	1.1
2195	"	City water	3.5
2201	"	O'Brien well	1.0
2226	"	Miss Rose Gonzales	1.0
2373	"	Phelps-Dodge well 800'	4.0
2374	"	Southern Utility well 300'	0.9
2380	"	High School	4.0
2381	"	R.W. Runtl	0.8
2382	"	Mrs. Homer Brown	1.1
2397	"	R. Gonzales	1.0
2398	"	"	0.8
2507	"	Snead's well	0.2
2511	"	City water	5.2
762	"	J.L. McDaniel	0.3
2883	"	J.L. Humphery	0.9
2956	"	J.L. Broom	1.2
2990	"	40 mi. S of Ajo at Border	4.4
3024	"	Mrs. L.B. Knibbe	1.4
3197	"	A. Stamps	0.5
3256	"	Mrs. Mabel Malone	1.1
3383	"	City water	4.0+
3384	"	Wall's well near Gunsight Mine	0.1
3386	"	Gibson well	3.0
3088	"	Mrs. M.W. Mote, near Ajo	2.4
1549	Altar Valley	Tucson Mountain Park	1.7
1581	"	R.L. Moses	1.2
1943	"	T.Mt. Park nr. Eskimenzea Picnic	3.0
1983	"	" , Headquarters well	2.4
2194	"	" , Preventorium well	2.0
3293	"	Struther's well	0.6
3341	"	Rancho del Diablo	0.6
3342	"	Sec.1, T.15S, R.12E (Butts well)	0.7
2181	Arlington	H.A. Kreager	0.8
2496	"	Arlington well	2.2
2576	"	School, old well	1.8
2582	"	Store well	0.6
2613	"	Desert Rose Service Station	3.4
2907	"	John German	3.0
2987	"	School, new well, 302' deep	10.0
3014	"	School, new well	11.0
3098	"	" , cased off at 85'	1.1
968	Avondale	Western's gin	0.3
1000	"	Sec.10, T.1N, R.1W, District well	1.3
1011	"	Avondale Ranch	0.0

Lab. no.	Locality	Description	Fluorine p.p.m.
2443	Avondale	R.L. Freeman	0.7
2131	Aztec	S.P. RR. well	7.6
2552	"	"The Spot"	6.4
2555	"	S.P. RR. well	10.0
3240	"	"	7.2
2642	Benson	T.G. Beaham	0.1
2735	"	Lula Kalpke	1.3
2836	"	C.K. Fenn, Star Rte.	4.4
3048	"	Sec.11, T.17S, R.20E, Fenn well	1.6
46451	"	Sec.10, T.17S, R.20E, City supply	0.3
2624	Buckeye	Alden Smith Auto Court	1.8
2771	"	Wm. Anglin well	4.4
2869	"	E.J. Arend, 62'	4.0
2870	"	" 190'	4.0
2871	"	" , Dr. Rubel's well	1.3
2648	"	Wallace Bales	1.5
2558	"	W.A. Baron, Star Rte.	1.5
2518	"	Barrons Desert well	4.4
2590	"	E.H. Barron	4.4
2894	"	F.J. Battles, 415'	3.0
2666	"	J.R. Beloat	6.8
2958	"	S.H. Beyer; Sec.7, T.1S, R.3W	5.2
2959	"	" Sec.30, "	6.0
2623	"	P.B. Bowers Sta. & Court	1.4
967	"	Broadway Auto Court	2.1
1603	"	New city well	2.0
1981	"	City water	1.0
2508	"	New city well	2.6
2562	"	" , 520' deep	2.4
3080	"	City well, Lot 24, Blk. 1	1.7
2846	"	Wm. Cauthorn well	6.0
820	"	Norman Clark	6.2
2395	"	Sec.5, T.1S, R.3W, T.J. Cole	1.8
2536	"	Sec.25, T.1N, R.2E, Geo.Cornell	2.0
2435	"	J.F. Daugherty, Star Rte.	1.5
2639	"	Frank Drew	2.8
2619	"	W.A. Enloe	1.0
2215	"	J.M. Grier	1.2
3079	"	Shaft of Haines Mine	0.4
2237	"	Sec.7, T.1S, R.3W, G.R. Hegis	1.2
2622	"	Ice plant, Watson & Nelson	2.0
843	"	Ira Jaco	6.1
2031	"	Dr. Vogel Jeffery	1.7
2370	"	"	7.0
2500	"	"	2.6
2845	"	Mrs. Nan Jones	1.5
3081	"	Well at Kell House, below 500'	2.0
512	"	M.J. Kellogg	1.8
2535	"	Sec.5, T.1S, R.3W, Marc Kentch	2.6
3025	"	M.I. Kentch, new well	5.2
2461	"	Mrs. J.L. Knight	0.7
1967	"	Sec.33, T.1N, R.2W, Jesse Lafferty	3.0+
3021	"	Mrs. John V. Liles	7.0
2594	"	Long's Dairy	2.2
2604	"	"	1.9
2957	"	Sec.36, T.1N, R.4W, J.C.McElkaney	1.2
1648	"	Sec.20, T.1N, R.2W, F.J.Monghom	0.6
491	"	Sec.3, T.1S, R.3W, H.M. Nelson	7.0
492	"	Sec.34, " "	7.0

Lab. no.	Locality	Description	Fluorine p.p.m.
359	Buckeye	Sec.23, T.1N, R.3W, G.C. Rubel	1.4
1647	"	Dr. G.C. Rubel, new Valencia well	1.7
2621	"	Dr. Rubel's nursery	1.8
2635	"	G.C. Rubel, 163'	0.4
2636	"	" , 80'	1.8
2637	"	" , Sec.18, T.1S, R.4W	2.4
2386	"	Scrogum well	2.5
1646	"	Sec.20, T.1N, R.2W, Ed Shelly	0.8
2875	"	P.L. Sipes	1.1
452	"	Frank P. Smathers	6.8
1982	"	Smith well	2.2
2668	"	Mrs. Herron Smith	8.0
2608	"	Fred Walls, Jr.	2.4
2000	"	R.L. Ward	1.2
2850	"	Lester P. Way	3.6
2646	"	Sec.8, T.1N, R.5W, A.L. Wheeler	3.0
2647	"	Sec.4, " "	0.8
2387	"	Clyde Wilson	0.8
1398	Casa Grande	Arizona Edison wells, city water	1.0
2933	"	Arizona Edison Water Co.	1.2
2963	"	Arizona Edison well #3	0.9
2664	"	V. Brannen Sta. 25 mi.W	2.8
3470	"	City water from serv. sta. tap	0.9
3247	"	Pete Ethington, W end irrig.tract	1.4
2964	"	Gilbert Ranch	0.5
2998	"	C.N. Harris	0.8
2935	"	K.K. Henness	0.9
3146	"	W.E. McNutt	2.0
2962	"	Parks Ranch	0.9
2965	"	A. Peters, Jr. Ranch	1.8
2961	"	Amandus Peters Ranch	1.8
2902	"	J.E. Rose, Castle Hot Springs	2.0
3246	"	E.H. Smith, old well	0.7
2694	"	Stanfield School Dist. #24	0.7
3354	"	R.S. Williams	8.0
46410	"	Paul M. Brophy	0.5
46411	"	"	0.5
48684	"	Ed Corley	0.5
48100	"	Clara F. Rogers	0.5
45684	"	Geo. Van Horn	1.1
362	"	Natl. Mon't (near Coolidge)	2.5
2471	"	"	1.2
49709	Cascabel	Cascabel School	1.6
1037	Cashion	Sec.8, T.1N, R.1E	0.5
1133	"	Sec.20, T.1N, R.1E, R.K. Blount	0.3
1045	"	Sec.17, T.1N, R.1E, Gerrard Co.	1.4
1046	"	Sec.16, T.1N, R.1E, J.W.Sergeant	0.3
1530	Chandler	City water	0.4
2565	"	"	0.8
918	"	"	1.0
896	"	Sec.31, T.1S, R.5E, T. Anderson	2.0
901	"	Chandler Improvement Co., Sec.26	0.1
902	"	" , Sec.25	0.7
903	"	" , Sec.31	0.7
921	"	M.T. Clemens Cattle Co., Sec.18	0.5
922	"	" , Sec.17	0.5
920	"	J.M. DePriest	0.7
1216	"	Sec.11, T.2S, R.5E, R.E. Dill	3.4
646	"	Sec.35, T.1S, R.4E, Ray Estrella	0.7
012	"	Sec.16, T.1S, R.5E, Ray Estrella	0.7

Lab. no.	Locality	Description	Fluorine p.p.m.
1215	Chandler	Sec.2, T.2S, R.5E, Robt. Johns	0.9
899	"	Sec.27, T.1S, R.5E, Jan Johnson	0.1
914	"	Sec.22, T.1S, R.5E, Mrs.T.A.Knox	0.1
915	"	Sec.34, T.1S, R.5E, O.H. Kuncce	0.1
898	"	Sec.29, T.1S, R.5E, Mrs. M. Leyda	0.6
1292	"	Sec.24, T.2S, R.5E, Wm. Little	0.1
1291	"	Sec.26, T.2S, R.5E, J.W.McMichael	0.1
2727	"	B.E. Noll	0.7
604	"	Salem Ackel Ranch, 100'	0.9
912	"	Sec.15, T.1S, R.5E, J.M. Schule	0.3
900	"	Sec.35, T.1S, R.5E, C.P. Sloan	0.1
3411	Chino Valley	Aiken Spring	0.7
3406	"	Morgan, surface well	0.3
3407	"	Welch (artesian)	0.3
3409	"	Wilkinson #4 windmill	0.1
3410	"	Wilkinson #3 on Granite Creek	0.3
3408	"	Woods pumping plant #2	0.6
641	Chiricahua National Monument - Faraway Ranch		0.4
49722	"	Spring, Sec. 24	2.3
2008	"	U.S. Ranger Station	2.2
-	Christmas	Diamond Drill Hole, Xmas Mine	0.4
48549	"	Mrs. F.P. Knight, 800' level	0.4
945A	Claypool	People's Ice Co.	0.1
3321	Cochise	Texaco Service Station well	0.9
1001	Coldwater	Sec.15, T.1N, R.1W, center N line	0.2
2509	"	Lou Jordan, 1 mi.W & 1½ mi.S	0.3
2401-	"	U.S. Farm Security Migratory Camp	0.2
134	Concho	Spring water	0.4
3265	"	Irrigation ditch, spring water	0.0
1933	Coolidge	Arizona Edison, Jones well	1.1
3149	"	" , New well	7.0
3150	"	" , Old well	4.4
3353	"	Mrs. Chester L. Carter	3.6
610	"	City water from School	1.6
1230	"	City water	1.5
1309	"	"	1.9
1531	"	"	1.2
2610	"	"	1.8
3469	"	"	4.6
3266	"	Coolidge Dam water from reservoir	0.7
2344	"	Knox Dairy	1.2
2451	"	Robt. R. Redd #1, 11 Mi. Corner #1	0.7
2452	"	" #2, " #2	0.7
3176	"	Sec.22, T.5S, R.9E, T.V. Stokes	1.4
2422	"	F.E. Stonehocker (Casa Grande Ruin)	1.3
48147	"	Mrs. J.G. Davis	0.9
48148	"	Sec.35, T.5S, R.8E, F.E. Jones	1.0
48008	"	Sec.32, T.5S, R.9E, Ralph Veazey	7.5
2750	Cottonwood	J.H. Lunning #1	0.0
2751	"	" #2	0.0
1235	Deer Valley	Sec.15, T.3N, R.2E, J.F.Alexander	0.3
288	Desert Well	Sec.24, T.1N, R.6E, W.M.Beyerle	1.0
411	"	J.S. Riley, well #1	3+
412	"	" #4	3+
417	Diamond 11 Rch.	38 mi. W of Willcox	2.0
418	"	Mule Shoe Ranch, Mrs. J.McMurray	1.8
723	Dos Cabezos	Tom Bean	2.8
722	"	Ray Carper	0.8
727	"	Mrs. J.H. Danner	

Lab. no.	Locality	Description	Fluorine p.p.m.
2718	Dos Cabezos	School Dist. #15	0.8
2716	"	Pete Downs	0.8
2717	"	Mary Gowan	0.9
2712	"	F. Hurtado	1.2
2710	"	G.D. Kirby	2.0
2721	"	Catalina Mendoz	3.6
2713	"	Geo. Miskovich	1.2
2705	"	Maggie Pacheco	3.2
2708	"	F. Ramos	2.0
2720	"	Norma Redus	2.0
2715	"	Rose Smith	2.0
640	"	Standard Serv. Sta.	0.9
2714	"	Wm. Tatum, Mascot Transite	0.7
2706	"	Candido Trillo	2.8
2719	"	N.S. Waterman	0.8
2727	"	Chas. White	2.0
2709	"	Jose Yanez	1.6
810	Douglas	Agua Prieta city water, 210'	2.1
808	"	Arizona Edison well	0.6
771	"	E.A. Ballen, 6 mi. W Douglas	0.3
2112	"	Bates well	1.2
804	"	J.A. Benson	0.6
797	"	Bert Bethel	1.7
3170	"	Bohn	0.6
2503	"	CCC Camp SCS 24-A, Capt.E.H.Bruss	0.5
805	"	Copper Queen Smelter	2.4
803	"	County Hospital, 135'	1.4
796	"	J.H. Cunningham, 42'	0.7
781	"	C.W.A. well at fairgrounds	0.7
798	"	Double Adobe School, 30'	0.8
3201	"	"	0.8
312	"	Chamber of Commerce	0.6
313	"	"	0.9
402	"	City water, 180' level	2.8
802	"	City water	2.4
3161	"	"	2.2
3169	"	"	2.2
2476	"	" , Coca Cola Co.	2.4
457	"	Test well, 160' strata	1.1
386	"	Test well, city	1.8
387	"	"	1.8
400	"	"	0.5
2874	"	Health Dept., T.K. Ryan	1.5
311	"	Guy Duell, 2 mi. NE of Douglas	1.4
775	"	"	1.4
3198	"	Jack Giles	1.0
788	"	Mrs. C.M. Harvey, McNeal Road	0.5
2011	"	John Hass, 1½ mi. NE of Douglas	1.2
782	"	H. Heiderick, 28 mi.N of Douglas-	0.5
789	"	C.E. Hill, McNeal Road	0.9
758	"	Hillside Dairy #1, 120'	0.4
759	"	" #2, 110'	0.7
2145	"	Hillside Dairy, Orion wells	0.4
2146	"	" "	0.4
2388	"	Hillside Dairy well	0.7
780	"	C.H. Jeffers, 7½ mi.NE of town	1.1
772	"	P.J. Johnson, 8 mi. E of town	1.1
799	"	W.F. Koch, 1/2 mi.N Double Adobe	1.5
794	"	C.M. Leake, 41'	0.6
793	"	Lizzie Leake, 57'	0.4
778	"	H.J. Leist, 7 mi NE of town	0.4

Lab. no.	Locality	Description	Fluorine p.p.m.
2517	Douglas	Mason's Ranch	1.0
790	"	Mary McGuire, McNeal Road	0.6
800	"	Onion Miller, N Double Adobe Sch.	1.0
3200	"	"	1.0
779	"	L.A. Mobley, Lee Station, 25'	0.6
791	"	Mrs. Moffit, McNeal Road, 280'	0.3
2036	"	L.F. Mullins, artesian water	0.4
2037	"	" , spring water	0.4
3398	"	New well, Airport #2	0.2
787	"	Phelps-Dodge Smelter	4.1
801	"	REA generating plant	0.6
776	"	J.J. Rice, 2 mi. NE town	0.8
774	"	Rogers Bros. Ranch, 4 mi. E town	0.8
316	"	Otto Rummell, 22 mi. N town	0.4
769	"	Rushing Well, 12 mi. W town	0.4
777	"	Simon's Wayside Dairy	1.2
807	"	S.P. RR. Well #2 in Douglas	0.5
806	"	" #3 "	0.7
795	"	Niel Taylor, 40'	0.8
783	"	L.A. Van Deren, 3 mi. N town	0.5
3052	"	Francisco Vasquez	11.0
784	"	Watson Dairy, 6 mi. N town	0.7
792	"	J.R. Webb, McNeal Road, 100'	0.1
3397	"	Mrs. C.C. Wolf	2.2
773	"	G.C. Yonkers	3.1
52513	"	R.D. Campbell	2.1
416	Duncan	Mrs. Brewbaker	4.2
2734	"	Frank Brickey	2.8
3438	"	Sam F. Bridges	1.4
2740	"	Mrs. Chas. Brooks	2.8
2038	"	--	0.5
3269	"	Gila River water	1.4
3427	"	D.A. Scott	1.6
47474	"	Sec.13, T.7S, R.32E, Otho Cox	8.0
47477	"	Sec.13, T.8S, R.31E, R.J.Golding	8.0
48097	"	Sec.33, T.8S, R.31E, F.F.Merrell	1.6
47587	"	Sec.17, T.8S, R.32E, A.G.Neighbor	1.1
3274	Eagar	Little Colorado River water	0.0
44428	Elfrida	Henry Grizzle, domestic well	1.7
44427	"	" " stock well	2.2
44426	"	T.B. Patterson	0.6
2199	Eloy	E.J. Ketting	0.6
2122	"	L.E. Weddle	0.5
44520	"	L.O. Fiscel	0.6
48146	"	Sec.35, T.7S, R.8E, Percy Payne	0.6
1391	Emery Park	G.C. DuBois, 85' deep	0.4
1393	"	Roy Nichols, 280'	1.1
1392	"	Sunnyside School, 230'	1.3
2504	Flagstaff	Lake Mary	0.3
3172	"	Mr. James Walkey	1.1
1350	Florence	Arizona Edison well	1.6
1400	"	" #1	1.3
1435	"	Arizona Edison well	1.0
1504	"	"	1.3
1949	"	Arizona Edison, City well	0.9
2119	"	Arizona Edison well	0.9
2228	"	"	1.0
2470	"	"	1.1

Lab. no.	Locality	Description	Fluorine p.p.m.
2473	Florence	Arizona Edison well #3, new 400'	1.3
3165	"	" #1	1.4
365	"	Arizona Prison Ranch well	3.5
1241	"	Arizona State Prison	0.6
1339	"	"	0.8
2118	"	"	0.8
1345	"	Blythe well, 3/4 mi. E of Florence	0.9
1137	"	Sec.17, T.5S, R.9E, C.D. Bradley	0.6
1239	"	City water	1.3
1356	"	"	0.9
1403	"	"	1.9
3276	"	"	1.2
2117	"	E.E. Cochran, 1/2 mi. E of city	1.0
1384	"	Paul Diffin, 6 mi. SE of city	1.3
1377	"	Sec.26, T.4S, R.14E, Fiscel rd.camp	0.7
1136	"	T.5S, R.9E, J.J. Frazier	0.9
2763	"	J. Freeman	0.1
1242	"	High School well	0.9
1348	"	"	0.6
2120	"	"	0.8
1341	"	Indian Well, 1.6 mi. W of city	1.2
1243	"	Paul Lauck	0.7
1343	"	"	0.3
1361	"	Sec.11, T.5S, R.9E, F. McFarland	0.7
1337	"	Chester McGee, within city limits	2.0
2116	"	McGee well, within city limits	0.8
1975	"	Mrs. C.W. Menard	0.7
1338	"	George Morrel	0.7
2113	"	G.W. Morrell, 1/2 mi.E of Florence	1.0
1344	"	Munoz well	1.0
2114	"	" , 1/2 mi. E of Florence	1.0
1360	"	Martin Payne, 5 mi. W "	1.3
1362	"	Pete Peters, 5 1/4 mi. S "	2.9
1355	"	Pinal Hatchery	2.0
3414	"	Prisoner of War Internment Camp	1.1
1135	"	Sec.23, T.5S, R.10E, L.T. Reed	1.8
1138	"	San Carlos District, 70'	0.7
1342	"	J.L. Shepard, 1 mi. W of Florence	0.9
1349	"	Geo. Smith, W of Florence	0.6
1240	"	S.P. RR. depot	0.6
1340	"	"	0.7
1357	"	U.S. Govt. well #4, 1 1/2 mi.E of city	0.9
1358	"	" #5, " "	1.0
1359	"	" #8, 1 1/4 mi.NW "	1.1
1970	"	" #5, 1 1/2 mi.E "	1.1
2115	"	Woods well, 1/2 mi.E of Florence	0.8
44438	"	Cactus Forest Ranch	2.2
3340	Flowing Wells	W.T. Dudgeon, NW of Tucson	0.7
2405	Fortune	--	0.7
46226	Franklin	Sec.4, T.9S, R.32E, Gene O'Dell	5.5
46787	"	Sec.4, T.9S, R.32E, D.L. Wagner	1.1
2578	Gateway Park	Sec.1, T.1N, R.3E	0.7
2644	Geronimo	Mrs. Katherine Hitt	1.6
2205	"	--	1.2
3261	"	Texaco Service Station	1.1
2095	Gibson	J.C. Lincoln, 102'	0.9
2171	"	--	0.8
761	"	J.A. Fink	2.0
1984	Gila Bend	Arizona Edison Co.	3.0
3439	"	"	1.2

Lab. no.	Locality	Description	Fluorine p.p.m.
2526	Gila Bend	Bella Loma Service Station	0.4
2527	"	V. Brown	4.0
2528	"	City water	7.0
3241	"	"	6.8
2538	"	Field's Dairy	2.4
2138	"	A.M. Kiriam	0.9
2530	"	School	1.6
3378	"	"	1.5
2529	"	H.J. Short	3.2
2458	"	A.H. Stout	3.6
3376	"	Stout's well	2.4
383	"	F.F. Weidner	2.8
3377	"	Weidner's well	3.0
127	"	--	10.6
1543	"	--	0.0
53721	"	R.S. Current	2.1
53	Gilbert	--	1.1
713	"	City water	0.6
558	"	Mrs. J.C. Cooper	0.3
906	"	John Eddy	0.7
908	"	Dr. Andrew Emery	0.2
2161	"	Mrs. Louis Hamilton	0.7
905	"	Earl G. Irwin	0.3
1511	"	C. Alfred Pine	0.6
907	"	Morgan Sher	0.1
2561	"	Town well	0.5
1078	Glendale	Elvin Cook	0.1
1072	"	L. Hopper	0.1
726	"	Ed. Jack	0.5
837	"	Rudolph Johnson	0.5
1060	"	R.M. Lyle	0.4
1081	"	R.D. Laing	0.1
474	"	M.E. Masher	9.5
496	"	"	0.0
730	"	H.S. Morgan	0.2
1054	"	LF. Malone	0.4
1055	"	W.V. Malone	0.4
1056	"	McManan	0.5
1066	"	R. Moore	0.5
1068	"	C.C. Muchler	0.3
1080	"	A.P. Mitchell	0.1
1058	"	F. Nordyke	0.5
1073	"	Old Paths Broom Co.	0.0
1057	"	S.N. Pullins	0.0
1051	"	M. Rothpletz	0.3
1551	"	C.E. Samson	7.5
1050	"	Don P. Smith	0.1
571	"	E.L. Smith	0.3
1063	"	R.W. Smith	0.8
2628	"	R. Smithhart	0.6
1533	"	R.S. Snow	0.1
1070	"	C. Wade	0.4
1061	"	H.R. Witter	0.4
821	Globe	Bronson Ice Plant	0.1
2951	"	"	0.1
25	"	City water	1.8
823	"	"	0.6
1545	"	"	0.3
2952	"	"	0.1
3285	"	"	0.0
2847	"	C.H. Higgins	0.2

Lab. no.	Locality	Description	Fluorine p.p.m.
1302	Goodyear	City well	0.3
1303	"	Domestic well	0.3
1290	"	Southwest Cotton Co.	0.7
1304	"	Well #11	0.4
1305	"	Well #15	1.5
2943	Granite Reef	Caretaker's well	0.4
1448	"	Northside	0.5
1443	"	Southside	0.5
2576	Guadalupe	Guadalupe School	0.2
644	"	Sec.5, T.1S, R.4E	0.7
2172	Hassayampa	W.J. Hicks	3+
122	"	--	2.6
86	Hayden	City	3.0
91	"	Hayden Jct., Highway Dept.	7.5
3099	"	Arthur Himebaugh, Scout Camp	1.8
88	"	R.R. Spring	2.9
3160	"	Keith B. Smith	0.2
1179	Higley	T.S. Fincher	---
1181	"	A.J. Giles	0.3
2904	"	F.S. Saunders	0.0
613	"	School	0.0
2175-79	Holbrook	Wm. Borden	1.0
2414	"	Ray Diehl	0.9
2415	"	"	1.4
133	"	City	1.2
3282	"	City water, artesian	0.3
3159	"	H.D. Layton	0.4
3281	"	Little Colorado River	0.7
401-	"	McLaw well	0.3
1581	"	McLaws	0.7
136	"	Shallow (private)	0.8
1993	Inspiration	F.L. Andrews #1	1.2
1992	"	" #2	1.2
94	Jerome	City water	1.1
2230	"	Lorine V. McGehee	3.5
1527	Jordan School	Maricopa County	0.5
146	Joseph City	--	3.6
1604	"	Wells #2 and #3	0.8
3278	"	Well	0.4
2579	Joyland Park	Phoenix	1.1
2143	Kelvin	School well, Jose Rodriguez	0.6
92	"	John Sells	2.8
3349	"	M.S. Wilkins	0.5
3432	Kingman	Mrs. Thelma Biggers	3.2
2383	"	Cent. Com. Co.	1.2
141	"	City water	1.1
2427	"	John J. Cunningham	1.2
2347-8	"	A.G. Davis	0.8
3390	"	R.C. Ferguson	3.0
2656	"	Gardner	1.6
218	"	Dr. Paul V. Long	4.2
2655	"	McCrocker	3.8
2758	"	Emeline R. Walker	0.3
48264	"	Farson Spring, Sec.2, T.30N, R.18"	2.5
48266	"	Salt Spring, Sec.18, T.30N, R.18W	2.3

Chemical Composition of Arizona Waters

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Lab. no.	Locality	Description	Fluorine p.p.m.
2504	Lake Mary	--	0.3
159	Lakeside	Sec.23, T.9N, R.22E	0.5
3467	Laveen	Canal	0.5
502	"	H.V. Dixon	6.0
955	"	Ginning Co.	0.0
959	"	Eric Hanson	0.0
2214	"	Walter M. Jones	2.7
22	"	Miami well	2.5
503	"	H.B. Neal	0.1
816	"	C.V. Newton	0.2
501	"	Mrs. Charles Petrot	2.5
960	"	George L. Price	0.5
104	"	Private	4.5
100	"	School well	2.5
1122	"	"	1.6
957	"	John W. Shannon	1.1
71	"	Village	2.5
510	"	J.E. Westhing	3.0
539	"	H.B. White	1.7
454	Liberty	L.W. Bales	1.1
455	"	"	1.7
464	"	Norman M. Clark	6.2
2572	"	School, Noll McKeehan	1.8
2620	"	" , Mercer	1.8
292	"	Jack Shepard	4.7
2509	Litchfield Park	Lon Jordan	0.3
2534	"	Richard Lyman	0.7
597	"	School	0.7
358	"	Southwest Cotton Co.	0.6
1044	Littleton Sch.	School Dist. #65 Cashion	0.6
2618	"	"	0.4
1547	Lower Miami	Citizens Utility Co. well #1	0.3
822	"	P.V. CC	1.2
944A	"	#1 PH CC	0.2
1936	Lyman Dam	--	0.5
1937	"	--	0.5
1938	"	--	0.5
1940	"	Spring section 35	5.0
1941	"	N.A. Lleo	2.5
2596	"	Spring below dam	2.6
2597	"	Flowing Wells 1/4 mi. below dam	2.2
2598	"	Sec.9, T.11N, R.28E, new pumped well	2.2
796	McNeal	J.H. Cunningham	0.7
3387	"	Mrs. Clarence Davis, Sample #1	3.0
3388	"	" #2	0.6
451	"	Frank Murphy	0.8
743	"	Mrs. Frank A. Murphy	0.8
3202	"	Store well	1.3
760	"	Mrs. E.H. Taylor	0.9
2970	Magma Jct.	--	1.2
2519	Mammoth	C.C. Clark well (school well)	3.6
3355	"	C.C. Fuller, old oil well	4.4
3356	"	" , creek	5.2
1641	"	W. Hart	6.6
2370	"	Mine water, Tiger	2.8
1323	"	F.S. Naething, Tiger	2.8
2368	"	Smith bros., artesian water, 105'	6.7
2369	"	" , pump water	
48099	Marana	Sec.28, T.10S, R.12E, E.M. Carpenter	0.7

Lab. no.	Locality	Description	Fluorine p.p.m.
2695	Maricopa	Angus Donnell	2.6
2694	"	Stanfield School Dist. 24	0.7
1283	Mesa	C.S. Anderson	0.5
1281	"	Barneby Arne	0.6
878	"	R.E. Beall	1.2
862	"	Bixby Ranch	0.5
564	"	Mrs. Tom Bowen	2.8
864	"	City water	0.6
717	"	G.W. Davison	0.7
924	"	W.A. Dobson	0.7
712	"	W.S. Dorman	0.4
481	"	L.P. Draper	0.4
701	"	Edward	0.6
876	"	Edwards	0.5
861	"	Carl Enloe	0.7
1278	"	E.J. Evans	0.5
520	"	L.A. Farnsworth	1.2
869	"	F.J. Freestone	0.7
868	"	G.C. Gibson	1.0
863	"	E.L. Haunstein	1.3
1285	"	Elias Hobert	0.6
1274	"	E. Albert Huber	1.4
859	"	H.R. Heitt	0.6
2006	"	W.N. King	2.3
716	"	Oscar Lewis	0.6
1999	"	M.L. Manly	5.0
1284	"	C.H. McKellip	0.6
873	"	S.A. Merrill	2.6
877	"	Mesa Ranch School	1.1
521	"	A.H. Nichols	1.5
1548	"	Mrs. A.H. Nichols	1.4
852	"	W.F. Openshaw	1.4
866	"	C.H. Parks	1.3
865	"	Nick Pavelich	2.7
857	"	W.O. Phelps	0.8
1276	"	A.L. Power	0.7
1277	"	Mike Sleisovich	0.7
860	"	Jack Smith	0.4
1172	"	W.F. Sneezy	--
441	"	E.B. Stanley, citrus grove	0.5
1280	"	W.B. Stone	0.5
1279	"	Swift	0.6
611	"	U of A Experimental Farm	1.1
1528	"	U of A Farm	0.9
1270	"	"	0.1
456	"	Sec.4, T.1N, R.6E, Val Vista Rch.	0.5
872	"	W.A. Wilkes	1.4
855	"	H.G. Woolis	0.9
824	Miami	Arizona Edison well #1	0.7
171	"	--	1.0
546	"	well #1	0.8
2950	"	Arizona Edison well #1	0.7
3257	"	Dr. N.D. Brayton, water #1	0.5
3258	"	" #2	0.5
3207	"	City water	0.5
1572	"	Miami Copper, Burch wells #1,2,3	0.4
3419	Nogales	Frank Berry well in NE section	0.2
2402	"	Boosinger	0.8
2361	"	Boozers Service Station	0.3
2376	"	W.H. Bowman, Nogales Rd. tap #1	0.5

Lab. no.	Locality	Description	Fluorine p.p.m.
2377	Nogales	W.H. Bowman, Nogales Rd., tap #2	0.2
2822	"	" , Patero Canyon	1.1
2429	"	W.G. Bowman, well #5	0.3
2752	"	" , Patero Canyon tap	1.1
2823	"	Callahan Zinc Co., Duquesa Mine	0.7
3202	"	" , Yeager	0.2
2430	"	Dr. W.F. Chenowith	0.3
2455	"	D. Jeffcott, S end ranch	0.1
2456	"	" , Monkey Springs Ranch	0.4
2893	"	Little Outfit School	0.0
2895	"	Mowry Exploration Co.	0.4
1961	"	Dines Nelson, lower well	0.4
1962	"	" , house well	0.3
2812	"	"	0.2
2813	"	"	0.2
2438	"	W. Noon, Source #2-M, Tap	0.5
2439	"	" #1-S "	0.6
2824	"	Oliver well #2, Washington Camp	0.7
2428	"	W. Rapler	3.2
2741	"	Santa Cruz Co. CCC, SCS, 26A	1.2
2880	"	E. Sterling	0.1
2894	"	Yerba Buena Ranch, River Rd.	0.5
195	Oatman	T.19N, R.20 $\frac{1}{2}$ W, Mohave County	0.6
2197	Olberg	Domestic well #1	1.7
2198	"	" #2	2.2
1308	"	Trading Post	2.4
1402	"	Domestic well	2.4
410	Oracle	Roy Jacobsen	3.4
2466	"	Neal	1.3
2520	"	New school well	1.8
832	"	Playground well	1.7
1577	"	Preventorium, summer camp	3.6
2838	"	" , new well	3.6
2843	"	"	3.2
3140	"	"	3.4
3147	"	"	3.6
3155	"	"	3.2
2891	"	School	2.0
2917	"	W , E.C. Widley	0.9
385	"	Sieboth well	1.1
252	"	E.H. Warner	2.5
3133	"	John H. Wood	1.5
47984	"	Oracle School	1.6
47983	"	Sec.36, T.9S, R.15E, Howard Stewart	1.2
1353	Oraibi	T.29N, R.16E, Lorenzo Hubbell	1.5
1333	"	Tap	1.2
393	"	--	0.9
2745	Palo Verde	Wm. B. Cole	2.2
3094	"	A.L. Lanford, 125'	0.7
2848	"	Sec.35, T.3N, R.5W, C.H.Lighthall	0.5
2873	"	Allen Narramore	1.1
2936	"	T.5S, R.5W, Lester Narramore, 165'	4.0
3093	"	S.W. Narramore	0.9
1286	"	Palo Verde Ranch School	0.6
2216	"	Palo Verde School	1.8
2543	"	"	2.8
2960	"	Ralph Stewart	8.0

Lab. no.	Locality	Description	Fluorine p.p.m.
3322	Parker	City water supply	1.5
3399	"	Reception Center well #2	0.3
116	"	Private well 5 mi. S city, 135'	5.2
44433	"	Sec.11, T.10N, R.19W, townsite	1.4
2999	Patagonia	Geo. Deshler, French Mine	0.0
3047	"	H.T. Drake	0.4
757	"	Forest C. Gross	0.5
2772	"	F.C. Gross	2.0
3208	"	Metal Mills	3.0
2421	"	Florence Z. Oliver, Washington Camp	0.5
2403	"	Ranger Station	0.5
3053	"	Mrs. R.E. Sullivan, %Mowry Mine	0.6
2339	"	--	0.7
770	Paul Spur	Cochise County	0.8
595	Pendergast Sch.#17	Maricopa County, School well	0.5
453	Peoria	Sec.11, T.3N, R.1E, Frank Faltz	0.3
1076	"	Sec.22, T.3N, R.1E, J. Henessey	0.2
546	"	Sec.26, T.3N, R.1E, Rowland Moore	0.4
1074	"	Sec.10, T.3N, R.1E, Ida Travis	0.1
382	Peppersauce Canyon	Spring, Pima County	0.1
1575	Perryville	Hugh Atkins	3.0
2630	"	1/4 mi. S Mangum's Ranch	0.6
49860	Phoenix	T.2N, R.3E, A.P. Marshall	2.9
1307	Picacho	Pinal County	0.5
2147-51	Pima	City Util. Co., Samples #1-4	1.5+
3272	"	Irrigation ditch water	1.3
2761	"	Nevada Canal Co. hot artesian well	5.5
785	Pirtleville	J.C. Beam	0.3
412	"	F.C. Long	0.0
1601	Plenty	Apache County	0.1
3006	Pomerene	G.Russel, Jr. (Cascabel)	1.4
1977	"	School well	0.9
3042	"	V.O. Kartchner, Sch. dist. #37	1.7
2595	"	Herman Thomas	2.8
3051	"	Mr. Thomas	2.8
48293	"	Sec.11, T.17S, R.20E, Mrs.C.L.Brown	4.2
1538	Portal	T.W. Bentley	0.6
642	"	D.K. Pence, Cave Creek Groc.	0.7
49721	"	Sec.34, T.16S, R.20E, Ben Pague	2.5
2822	Patero Canyon	Near Nogales	1.1
3404	Prescott	Artesian well pumping plant	0.2
3196	"	Crystal Ice & Fuel Co.	0.4
3326	"	Goldwater Dam	0.2
3405	"	Sec.18, T.16N, R.1W, Robt. Moore	0.1
3255	"	J.E. Knight	0.0
2469	"	Wm. N. Miller	0.2
3402	"	Sec.20, T.16N, R.2W, Peas Well	0.2
2193	"	Miss Lois Penrod	0.2
2468	"	"	0.3
1397	"	E.H. Scott	7.5
3325	"	Sutherland well	0.2
2225-7	"	E. Weston	0.2
2378	"	"	0.3
46962	S "	Sec.9, T.15N, R.2E, Spring #1	0.2
46963	"	Sec.17, T.15N, R.2E " #2	0.2
2130	Quartzsite	T.14N, R.19W, Yuma County	0.2
3045	"	School Dist. #4	0.3
2548	"	Well	0.0

Lab. no.	Locality	Description	Fluorine p.p.m.
407	Ranch 76	Bonito Spring, Graham County	1.3
1536	"	Tap water	0.0
3223	Randolph	Irrig. well $\frac{1}{2}$ mi. N Randolph	3.0
605	"	School for girls	0.9
606	"	"	
48203	"	Townsite, Clifford Griffin	1.5
48145	"	Sec.9, T.6S, R.8E, S.P. Soule	1.6
48202	"	Townsite, E.O. Thompson & Son	0.9
48201	Ray	Townsite, city water supply	0.2
1521	Redington	--	0.7
3348	"	Mrs. Hope C. Jones, C-Spear Ranch	2.0
1522	"	Yantchy Ranch	0.1
2992	Red Rock	Hwy. 84, Pinal County	0.4
2592	Rimrock	R.C. Bell cattle ranch, artesian	0.0
2593	"	" , dug	0.0
615	Rittenhouse	Maricopa County	1.3
3430	Rivers	War Reloc.Center, well unit #1	9.0
469	Riverside Sch.	Riverside School well, MaricopaCo.	1.3
2832	Roll	W.H. Hanford, Sample #1	0.4
2833	"	" #2	0.2
3297	"	Mohawk Mun.Cons.Dist. well #1	0.5
3298	"	" 3	0.7
3299	"	" 4	0.3
3300	"	" 7	0.7
3301	"	" 9	0.5
3302	"	" 10	0.5
3303	"	" 11	0.7
3304	"	" 12	0.7
3305	"	" 14	0.7
3306	"	" 15	0.7
3307	"	" 16	0.5
3308	"	" 18	0.5
3309	"	" 19	0.8
3310	"	" 20	0.5
3311	"	" 22	0.7
3312	"	" 23	0.5
3313	"	" 24	0.5
3314	"	" 26	0.4
3315	"	" 27	0.5
3316	"	" 28	0.5
3317	"	" 29	0.4
3318	"	" 31	0.6
2912	"	Roll School, Mohawk Water Dist.	0.7
2991	"	"	1.0
360	"	W.T. Wright, Antelope Ranch #1	1.8
361	"	" 2	4.9
3204	"	" , Diesel plant	2.8
3205	"	" , domestic well	3.0
3206	"	" , Dunn irrig. well	0.5
765	Roosevelt Sch. well, Dist. #66, Maricopa County		0.4
1525	"	Roosevelt School District	0.1
1439	Roosevelt Lake	Gila County	0.5
1005	Roosevelt Irrig. Dist. station #1		0.3
996	"	" 2	0.8
1000	"	2W-5N	1.3
994	"	" 4	3.0
995	"	" 5	0.4
1020	"	" 9	0.7
1004	"	" 15	0.5
1003	"	" 16	0.9

Lab. no.	Locality	Description	Fluorine p.p.m.
991	Roosevelt Irrig. Dist. station #18		0.8
990	"	19½	1.6
2204	Rowood	Pima County	1.1
3174	Ruby	Alberto Armento, Ruby Star Rte.	0.6
2467	"	J.J. Duff	4.0
2501	"	Montana Mines Operations	0.6
1524	Rural Sch. Dist. #13, Maricopa County		0.5
2791	Sacaton	U.S.D.A. Seed Farm well	1.2
3126	"	"	1.3
3273	Safford	City water from Bonito Creek	0.1
1368	"	F.J. Crider, artesian well	3.5
1369	"	" , dug well	1.6
3288	"	Irrigation ditch	0.0
3417	"	New airport	1.4
2649	"	Power plant well	1.1
372	St. David	A.J. Busby	6.8
2585	"	Christensen	1.6
371	"	Milton Curtis	0.7
2589	"	Roy Curtis	3.2
370	"	Goodman	4.5
2953	"	D.R. Goodman	3.0
2559	"	Miss Lula Kalpke	3.6
2825	"	McCommas	1.4
2866	"	"	11.0
2877	"	E.W. McCommas	1.0
2908	"	J.S. McRae	2.8
2484	"	Walter McRae	1.6
2586	"	"	1.6
2588	"	Gene Miller, 425'	3.0
2583	"	Chas. Plumb	4.8
373	"	Reed	4.6
1354	"	School well	3.2
2232	"	"	3.4
2483	"	"	4.0
-	"	Townsite, A.E. Gee	4.7
46448	"	Sec. 33, T.17S, R.21E, S. Merrill	1.4
46449	"	Sec. 36, " "	2.3
3127	St. Johns	Sec. 28, T.13N, R.28E. J. Crosby	2.8
2512	"	Dennis Heap	2.2
2475	"	Parley Heap	2.0
3264	"	Irrigation reservoir	0.0
3418	"	Elmer Johns well	5.0
2514	"	Lyman Dam water	1.0
1625	"	Schuster Springs	1.4
2513	"	E. Schuster	4.4
2551	Salome	City water, 240' deep	3.6
1994	"	Mrs. Gordon Galbraith	3+
2993	"	D.G. MacGregor	3.2
2413	"	Railroad well	2.4
2136	"	School	2.4
3046	"	"	4.0
1404	San Carlos Proj. Govt. irrig. well #13		1.4
1405	"	" 16	1.0
1406	"	" 25	1.0
1407	"	" 70	1.0
1408	"	" 73	0.8
1409	"	" 75	0.9
2878	San Simon	Harry Birlenback	3.0
1630	"	Chamberlain, 650' deep, 250' casing	6.7
1636	"	J.E. Davis, 694' deep, 452' casing	0.7

Chemical Composition of Arizona Waters

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Lab. no.	Locality	Description	Fluorine p.p.m.
1637	San Simon	J.E. Davis, 600' deep, 125' casing	1.0
1638	"	" 681' 448'	0.7
1963	"	Davis well	1.0
1635	"	Phil Ebsen, 710' deep, 550' casing	1.2
1634	"	Ed Epley, 700' deep, 650' casing	1.1
1631	"	Clyde Fuller, 85' deep, 85' casing	7.5
1633	"	R.E. Gallatin, 680' deep, 650' casing	1.5
1539	"	Garrett	6.0
1628	"	Ed Gentner, 750' deep, 650' casing	2.7
1541	"	Huff	6.0
1632	"	A.B. Hulsey, 85' deep, 85' casing	6.3
2541	"	Mr. Ledford, private well	5.0
1639	"	Mulkins, 85' deep, 85' casing	0.5
2789	"	R.B. Murchison	14.0
1627	"	A.J. Neal, 700' deep, 150' casing	2.8
1540	"	Perry	4.8
2542	"	School well	3.0
1629	"	Thompson	33.5
43725	"	Sec.33, T.13S, R.31E, J.E. Davis	0.6
49869	"	Townsite, James Ganon	3.2
46162	"	Sec.3, T.13S, R.31E, Harry Jarrell	5.5
46029	"	Sec.30, T.13S, R.31E, Mrs.B.Robinson	4.5
1947	San Xavier	Agency well	1.4
1611	"	Reservation, Morenas well	0.4
1946	"	Sanitorium well	0.8
2564	Scottsdale	City well	0.7
996	"	E.J. Edwards	0.8
1244	"	C.E. Erickson	18.4
1564	"	Grade school	1.0
2217	"	"	0.6
2568	"	"	0.6
622	"	W. Hayden	0.9
634	"	C.G. Henry	1.7
1563	"	High school	0.8
2569	"	"	0.8
751	"	K.W. Holmes	0.7
630	"	J.I. Jones	2.5
2774	"	Ralph Kirkman	1.4
448	"	Scotch Farmer Domestic well	1.2
2691	"	C.L. Smith	1.6
2224	"	Dr. R.H. Smith	0.8
3131	"	W.D. Tremaine	0.3
2973	"	Henry W. Wick III, 180'	0.5
3134	Sells	Mrs. F. Osborn	0.5
2174	"	Harris Roberts	0.3
44514	"	Sec.25, T.17S, R.4E, B. Roseburgh	0.3
379	Sentinel	C.O. Lindner	3.7
2547	"	So. Pac, RR. well	8.0
1289	Serape	--	0.4
44226	Shumway	Sec.29, T.22S, R.29E, W.B. Carter	0.3
1389	Silverbell	Pima County, T.11S, R.8E	0.9
2360	Snowflake	City Utilities Co.	0.0
3280	"	Irrigation ditch water	0.0
3271	Solomonville	Graham County, T.7S, R.27E	1.1
2654	Somerton	Sec.34, T.25S, R.24W, Yuma County	0.5
2404	Sonoita	Rich est., well #3	0.2
2406	"	" 2	0.2
2030	Springerville	Daniel Thornton, Hereford Ranch	0.2
2093	"	" , domestic well	0.5
2486	"	--	0.8
1388	Summerville School	7 mi. S of Tucson	1.2

Lab. no.	Locality	Description	Fluorine p.p.m.
389	Sunrise	--	1.6
3320	Swift Trail	Graham County	0.9
3243	Tacna	Ralph's well	3.6
3077	"	Sec.11, T.8S, R.16W, L. Reitman #2	0.8
3076	"	Sec.1, T.8S, R.18W "	0.8
3245	"	--	1.1
403	Tanque Verde	Robt. P. Bass, new well	1.4
1237	"	Robt. P. Bass	6.0
2545	"	"	9.0
1986	"	Desert Willow Ranch	0.2
317	"	Evans School spring	0.5
318	"	Evans School well	1.0
2669	"	Figuro Ranch, F. Eberhard	1.3
3112	"	"	3.4
1987	"	LaSolita Ranch	3+
1238	"	Smith Ranch	0.8
1520	"	Tanque Verde School	2.0
2599	"	"	3.2
3157	"	D.P. Tracey, 2 mi.N Evans Sch.	6.4
374	"	Mrs. Wooley	0.4
3279	Taylor	T.12N, R.21E, Navajo County	0.0
850	Tempe	Sec.10, T.1N, R.4E, Chris Anderson	0.9
2173	"	Sec.18, T.1N, R.5E, Robt. Bayless	0.4
569	"	Sec.27, T.1N, R.4E, G.R. Bishop	0.4
1550	"	City water	0.8
887	"	J.F. Collier	0.1
833	"	Dr. C.E. Culver	1.1
1234	"	Date Garden	2.5
1526	"	"	1.8
650	"	J.M. Ellingson	0.9
694	"	J.N. Finch	1.5
891	"	G.R. Finch	0.4
651	"	H.B. Gray	1.0
707	"	J.C. Hadlock	1.3
687	"	C.E. Harris	0.5
497	"	I.J. Hughes	1.3
927	"	Huston Ranch	1.0
721	"	M.W. Jones	0.1
720	"	J.E. McClin	0.4
685	"	Albert Meyers	1.2
689	"	John K. Moore	1.3
688	"	Mullins	0.6
885	"	S.S. Neeley	2.5
853	"	A.D. Rogers	1.5
2566	"	Rural School #85	0.7
653	"	Charles Saylor	1.2
655	"	A.G. Scott	1.3
3078	"	R.J. Scott, 821 Farmers Ave.	4.5
710	"	Shelton	1.3
692	"	G.E. Stewart	1.2
649	"	H.A. Sullivan	0.6
2142	"	Sec.17, T.1N, R.4E, Oscar Walls	0.6
686	"	Wetmore Ranch	0.4
851	"	Clarence K. White	1.0
1273	"	Wildermuth Jersey Ranch	0.8
711	"	G.H. Wiley	1.4
719	"	T.R. Windes	0.4
2012	Texas Canyon	Cochise County, 5 mi. E of Benson	1.2
3289	Thatcher	T.7S, R.25E, Graham County	1.1
1622	Theba	10 mi. W of Gila Bend	1.7

Lab. no.	Locality	Description	Fluorine p.p.m.
2396	Tolleson	T.D. Anderson	0.2
2190	"	Tap at Arnold place, well	0.3
1034	"	Baden	0.5
1105	"	Amelia Bixby Ranch	0.8
1033	"	J.L. Cappinger	0.4
1035	"	City water	0.4
2726	"	Mrs. Allen Cowan	2.8
2675	"	W.J. Craig	0.3
1036	"	Gaety Ice Cream Co.	0.3
2702	"	Mrs. D.W. Harbison (Pendergast Sch)	0.5
1508	"	G.D. Isabell	0.3
1041	"	C.A. Johnson	0.6
1038	"	J.P. Lowar	1.7
935	"	E.C. Mann	1.2
565	"	A.J. McCaleb	0.0
1329	Tombstone	Caster's #27264, Escapule Ranch	0.9
1327	"	" 27262, H. Hughes Ranch	0.7
1331	"	" 27266, Lucky Cuss Mine	2.3
1326	"	" 27261, Sycamore Springs	2.0
1328	"	" 27263, Watervale	0.7
1330	"	" 27265, Westside Mine	3.0
2170	"	Cowan well, 3 mi. S Tombstone	0.6
3343	"	Mrs. Houston Davis, Mule Mt.	0.0
1373	"	Huachuca Water Co, Bonanza Mine	0.3
981	"	" , A.H. Gardner	0.6
1374	"	" , Tombstone Ext.	0.9
2650	"	Lucky Cuss Mine	1.4
3436	"	"	3.2
3437	"	Westside Mine	2.2
2516	"	Westside Shaft	2.2
44232	"	Sec.12, T.20S, R.22E; J.H. Macia	0.5
50707	"	City water	1.0
3249	Tonopah	Bud Beauchamp #1	6.0
3251	"	Sec.25, T.2N, R.7W, J.H.Beauchamp	6.0
3252	"	Sec.26, T.2N, R.7W, Grace Herring	6.0
2122	"	T.J. Herring	3+
2651	"	Lamareaux Hot Well	7.0
3253	"	Lamareaux	8.0
3250	"	Norman Nellis	8.0
3248	"	Oscar's Mineral Hot Springs	6.0
2491	"	Oscar Ringo	7.0
1437	Tonto Creek-	T.5N, R.11E, Gila County	0.6
2842	Topock	Sunrise Mine, Mohave County	2.2
2969	"	" (Calhoun well)	1.6
910	Tremaine	Sec.10, T.1S, R.5E, Maricopa Co.	0.3
2932	Vail	C.P. Beach, Santa Rita sprint #1	0.7
2683	"	Chas. C. Lay	0.3
2625	Valencia	Hdqts. for Roosevelt Irrig. Dist.	2.0
1444	Verde River	At McDowell	0.6
1445	"	1/2 mi. below McDowell	0.7
2162	Vicksburg	Brenda Service Station	0.8
2839	"	I.C. Jordan	10.0
3044	"	School	2.2
1048	Washington Sch. Dist. #6, Maricopa County		0.5
B1136	"		0.2
2824	Washington Camp Santa Cruz Co., Almer well #2		0.7

Lab. no.	Locality	Description	Fluorine p.p.m.
378	Wellton	F.R. Bannard, 3 mi. S town	6.9
3073	"	Sec.31, T.8S, R.18W, Chas.Hindman	1.5
3071	"	Sec.6, T.9S, R.18W, H.D.Hollenbeck	1.8
3072	"	Sec.5, T.9S, R.19W, "	5.2
3238	"	H.D. Hollenbeck, irrig.	4.4
3075	"	Sec.25, T.8S, R.18W, King Ranch	0.8
420	"	R.H. McElhane #1, irrig.well 109'	0.6
421	"	" #2, domestic well	0.6
3069	"	" , Sec.24, T.8S, R.18W	0.7
2821	"	R.C. Montgomery	2.2
3070	"	Sec.1, T.9S, R.19W, Joe Mullner	2.0
1640	"	Jay Rohrbaugh	3.0
2126	"	School	1.8
3004	"	"	1.8
2129	"	Spain's well	1.8
2553	"	L.C. Spain	2.0
3074	"	" , Alamo Ranch	0.9
3239	"	Welch well, city purposes only	1.8
2554	Wenden	City Well, T.6N, R.12W, Yuma Co.	4.8
2346	"	Nord Well	3.2
2341	"	Private well	6.0
2340	"	School well	4.0
647	West Chandler	Sec.14, T.1S, R.4E, Maricopa Co.	0.5
3268	White River	Navajo County	0.0
3275	"	River water near Ft. Apache	0.0
2185	Wickenburg	Engasser well	0.4
2188	"	Fox well	0.5
2186	"	Garcia test hole	0.5
2187	"	Hammer well	0.8
2460	"	Vernon Knight, 94'	0.7
2223	"	P.W.A, 1112-F, new well	0.3
2189	"	Smith well	0.2
3319	Willcos	City water	2.2
1245	"	W.L. Johnson	5.1
418	"	Mule Shoe Ranch, hot spring	1.8
404	"	P.P. Page	1.0
3359	"	A.O. Rix Ranch, Sec.25, T.13S,R36E	1.7
2224	Williams	City dam	0.3
190	"	City water	0.9
2229	"	Dogtown dam	0.4
744	Wilson School	Maricopa County	0.2
2811	Winkelman	Pinal Co., jct.Gila & San Pedro R.	1.2
48204	"	P.F. Adams, 7Z Ranch	3.1
2876	Winslow	Dr. C.H. Baldwin	3.0
3282	"	Clear Creek water	0.0
2375	"	C.A. Rice	34
2221	Wintersburg	Thomas T. Cage	2.4
2611	"	Kentch Store, well water	14.0
2728	"	Alfred Morgenson, 100'	3.2
2459	"	R.L. Olds, 80'	2.0
2496	"	" , Arlington water	2.2
2689	"	"	2.2
2746	"	Sec.20, T.6W, R.1N, Roma Rice, 265'	4.8
2612	"	School well	5.2
2662	"	Charles E. Sturgeon	2.8
2392	Yuma	Chas. Blair	1.2
3068	"	Sec.35, T.8S, R.22W, Henry Bradley	0.7
3065	"	Sec.26, T.8S, R.22W, L.S. Bradley	0.8
2142	"	City canal	0.2

Chemical Composition of Arizona Waters

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Lab. no.	Locality	Description	Fluorine p.p.m.
413	Yuma	Colorado River water (city)	1.4
2546	"	Mrs. A.J. DeSaulniers	0.9
2742	"	"	0.9
3423	"	Fly Field, test well 196'	0.4
818	"	Griffin well	0.8
3066	"	Sec.30, T.8S, R.21W, F.C. Hartman	0.8
3067	"	Sec.36, T.8S, R.22W, Ray Loosier	0.7
3187	"	Owl Service Sta., Hwy. 80	3.6
2919	"	Shepard Ranch	0.3
1612	"	Dr. Stacy, 2.3 mi. S	0.5
3244	"	University of Arizona Farm, new	0.7
3186	"	Welch Service Sta., Hwy. 80	1.8
3064	"	Sec.36, T.8S, R.22W, A.C.Westerbeck	0.8
2423	"	Whitman Seed Co. well #1 Diesel	1.2
2424	"	" 2 elec.	0.2

TABLE 8. Boron Content of Selected Arizona Waters

Lab. no.	Location	Boron p.p.m.
201	Agua Fria	0.24
243	Apache	0.24
227	Araby	0.24
399-403	Arcadia	0.4-0.95
1178	Artesia	0.63
1188	Ashfork	0.02
1182	Benson	0.05
462	Buckeye (rural)	1.32
1186	Bumblebee	0.42
250	Bylas	0.05
232	Casa Grande (rural)	3.34
695	Casa Grande (city)	0.22
653	Colorado river	0.00
694	Coolidge (city)	0.35
246	Coolidge reservoir	0.05
245	Concho	0.00
190	Dateland	1.04
220	Deer Valley	0.08
465	Douglas	1.22
191	Double Adobe School	0.25
1181	Dragoon	0.28
249	Duncan (Gila river)	T*
1166	Duncan	0.80
1172	Duncan (Fairgrounds)	0.18
254	Eager	0.05
1177	Eden	0.26
702	Eloy	0.00
1189	Flagstaff	0.00
698	Florence (city)	0.49
257	Florence Jct.	0.04
245	Fort Apache (White river)	0.0
240	Fort Thomas	0.0
241	Geronimo	0.29
226	Gila Bend	0.84
221	Gila Valley	0.25
242	Glenbar	0.50
265	Globe	0.04
804	Glendale	0.07
261	Holbrook (Little Colorado river)	0.23
262	Holbrook (artesian)	0.00
1193	Hunt	0.03
1191	Joseph City	0.02
651	Komatke	0.38
1057	Litchfield Park (Goodyear Farms)	0.16
1058	" " " "	1.10
192	McNeal	0.28
247	McNary	0.00
1185	Mayer	0.00
267	Miami	0.00
270	Mohawk Municipal Water	
	Cons. Dist. Well #1	1.45
271	" " " #3	0.42
273	" " " #7	2.16
276	" " " #11	0.52
282	" " " #19	1.82
284	" " " #22	2.73

Lab. no.	Location	Boron p.p.m.
291	Mohawk Municipal Water	
	Cons. Dist. Well #31	0.36
1184	New River (village)	0.00
1183	Pantano	0.17
408	Peoria	0.10
293	Parker	0.44
189	Phoenix T.2N, R.4E	1.04
200	Phoenix SRVWU.A 15E-8N	2.45
202	" " 6E-4N	0.49
203	" " 20E-81/2N	0.24
453	" " 221/2E-9N	1.15
412	" Sec. 9, T2N, R3E	0.12
488	" Sec. 3, T1S, R3E	1.00
650	" Sec. 30, T2N, R1E	0.23
205	" Arizona Canal	0.19
215	Picocho	0.01
252	Pima	0.07
207	Randolph	0.05
657	Rivers Butte Camp	1.51
253	Safford (city)	T
743	Safford Quinn	0.66
908	San Simon	0.18
196	St. David (school)	0.06
244	St. Johns	T
297	San Carlos Irrig. Project, Well 1	0.00
307	" " 10	0.11
318	" " 20	0.42
328	" " 30	0.66
338	" " 40	0.44
344	" " 50	0.25
355	" " 60	0.24
365	" " 70	0.12
374	" " 80	0.04
459	" " 90	0.17
390	" " 100	0.71
395	" " 105	2.92
452	Scottsdale	0.50
264	Seneca	None
266	Showlow	T
260	Snowflake	T
251	Solomonville	0.07
1194	Superior	None
230	Tacna	2.32
259	Taylor	0.07
218	Tempe (rural)	0.95
909	Tempe (rural)	0.13
269	Thatcher	0.08
233	Tonopah Sec. 25, T2N, R7W	0.85
623	Tucson (University of Arizona)	0.07
616	Verde River (near Cottonwood)	0.20
224	Wellton (Welch)	0.32
223	Wellton Hollenbeck	1.66
248	White River (well)	0.00
263	Winslow (Clear Creek)	0.11
1180	Willcox	0.17
229	Yuma (new U. of A. Farm)	0.20
653	Yuma (Colorado river 4/44)	0.00

TABLE 9. The Nitrate Content of Selected Arizona Waters

No.	Location	Owner	NO ₃ p.p.m.
C 1011	Avondale	Sec.17, T.1N, R.1W	R.L. Freeman 34
C 289	"	" " "	E.L. Jarnagin 12
B 9773	Arlington	Sec.26, T.1S, R.6W	C.F. Yonker --
C 286	"	Sec. 34, T.1N, R.6W	" 10
C 1059	Beardsley	Sec.19, T.3N, R.1W	---- 44
C 1060	"	Sec.25, T.3N, R.2W	---- 7
53270	Benson	Station 6	El Paso Nat. 2
53268	"	Sec.10, T.13S, R.19E	Gar. Co. 1
54716	"	Sec. 9, T.17S, R.20E	F.M. Bridgeman 1
53276	Bisbee	Sec.13, T.24S, R.23E	City 1
53337	Bowie	T.13S, R.28E	Ariz. Edison Co. 1
B 8707	Buckeye	Sec. 6, T.1N, R.4W	W.H. Garwood 3
C 484	"	OW-71/2N	C.F. Yonker 7
C 487	"	CC2	Roosevelt Irrig.Co 11
C 490	"	1/2E, 71/2N	" " 23
C 493	"	1E, 8-1/2N	" " 35
C 495	"	1-1/2E-7-1/2N	" " 28
C 501	"	2E-11-1/2N	" " 47
C 502	"	2-1/2E-6N	" " 38
C 505	"	3E-6-1/2N	" " 65
C 508	"	53/4E-4-1/2N	" " 88
C 514	"	7-1/2E-3-1/2W	" " 25
C 530	"	9-1/4E-5N	" " 22
C 1051	Cactus	Sec.32, T.3N, R.3E	" " 20
C 343	"	Sec.24, T.3N, R.4E	Floyd Smith 7
52620	Cameron	Sec.22, T.29N, R.9E	E.V. Graham 9
52618	"	Sec.28, T.39N, R.6E	---- T*
52617	"	Hwy. 89	Cliff Dwell.Lodge T
53457	Camp Verde	Sec. 9, T.13N, R.5E	Gap Trading Post 1
53446	Casa Grande	Sec. 7, T.6S, R.7E	Hank Wingfield 0
C 1073	Cashion	Sec.19, T.1N, R.1E	T.I. Reynolds 2
B 8341	"	Sec.26, T.2N, R.1E	Grant Hath 43
C 926	Chandler	Sec. 4, T.2S, R.5E	J.A. Hedgepath 159
C 937	"	Sec.19, T.2S, R.5E	Bogle 38
C 940	"	Sec.32, T.2S, R.5E	" 17
C 927	"	Sec. 4, T.2S, R.5E	Hanna 6
C 930	"	Sec. 9, T.2S, R.5E	" 28
55040	Charleston	San Pedro river	Bogle 28
54295	Clifton		---- T
53377	Cochise	Sec.22, T.17S, R.24E	City 1
55042	Coolidge	Sec.19, T.5S, R.8E	Ben Edwards T
53264	Don Luis		W.H.Farnsworth 1
53341	Dragoon	Sec.36, T.14S, R.23E	---- 2
53358	Duncan	Sec. 4, T.11S, R.32E	Coronado Copper 1
53266	Elgin	Post office	& Zinc Co. T
54713	Florence	Sec.19, T.6S, R.15E	Elmer Stevens 1
54712	"	Sec.26, T.6S, R.14E	Van Gorder 2
54709	"	Sec.14, T.7S, R.14E	W.F. Meyer 1
52608	Fredonia	Sec.32, T.42N, R.2W	" 22
53261	Fry		" 10
			City T
			---- 1

No.	Location	Owner	NO ₃ p.p.m.
C 178	Gila Bend Sec. 4, T.4S, R.4W	C.A. Elma	3
C 908	Glendale Sec. 5, T.2N, R.1E	Mutt Yamamata	22
C 26	Goodyear Sec.10, T.2S, R.5E	W.R. Harris	2
52612	Grand Canyon Lodge, North Rim	----	T
52614	Gray Net Trading Post T.25N, R.8E		3
C 659	Hassayampa Sec.34, T.1N, R.6W	C.F. Yonker	5
53259	Hereford	S.P. RR.	1
54294	Holbrook Sec.22, T.18N, R.19E	Harvey Randall	0
52619	House Rock Valley Sec.31, T.38N, R.4E	Macolprano Ranch	T
53357	Joseph City Sec.16, T.18N, R.19E	E.E. Swan	1
52611	Kaibab Lodge So. of Jacob's Lake	Carl S. Cox	2
53263	Lowell	City	3
53206	Mammoth Sec.18, T.8S, R.17E	Arthur H. Dungan	T
55147	Marana T.11S, R.11E	Dale Gladden	1
C 1022	Marinette Sec. 7, T.3N, R.1E	J.G. Boswell Cotton Co.	40
C 1023	" " "	"	90
C 1027	" Sec.17, T.3N, R.1E	"	42
C 1029	" Sec.20, T.3N, R.1E	"	51
C 1030	" " "	"	40
C 1033	" Sec.29, T.3N, R.1E	"	54
C 1036	" Sec.32, T.4N, R.1E	"	3
C 1077	" Sec.32, T.3N, R.1E	L.M. Heaslet	30
53213	McNeal Sec.35, T.22S, R.26E	H.G. McBride	1
54684	Miami	City	1
52613	Mocassin Sec.31, T.41N, R.4W		4
54717	Morenci	City	2
53766	Patagonia	R.B. Harmon	T
B 7992	Peoria Sec. 2, T.3N, R.1E	D.D. Essley	25
C 57	" Sec.31, T.3N, R.1E	Frank Feffer	10
B 6990	" Sec.34, T.4N, R.1E	Grace Ranch	20
B 6991	" " "	"	46
C 957	Phoenix Sec. 8, T.1N, R.2E	C.A. Dravo	35
C 535	" 11E-3N	Roosevelt Irrig.Co	7
C 539	" 11 1/2E-3N	"	12
C 540	" 11 1/2E-5N	"	28
C 542	" 12E-3 1/8N	"	9
B 8479	" Sec.20, T.2N, R.2E	Ed Jarnagin	149
B 8266	" Sec. 6, T.2N, R.3E	Walter Fulford	16
16415	26 1/2E-ON**	S.R.V.W.U.A.*	16
17478	33E-ON	"	26
17479	30 3/4E-2N	"	7
16186	1/2E-3N	"	112
17202	6E-2 3/4N	"	31
17484	11 1/2E-2N	"	16
16660	20E-2N	"	15
16298	18E-5N	"	21
17467	28E-6N	"	4

*Analyses of all waters from the Salt River Valley Water Users Association were furnished by officials of the Association.

**Location of S.R.V.W.U.A. given in miles from the Initial Monument

No.	Location	Owner	NO ₃ p.p.m.	
16627	Phoenix	22 1/2E-6N	S.R.V.W.U.A.	31
17360		19E-7 3/4N	"	19
16297		8E-8 3/4N	"	335
17363		13 1/4E-8 3/4N	"	68
16305		16E-8N	"	93
16771		24E-5S	"	43
16656		29 1/4E-4S	"	62
16671		20 1/2E-1 1/2S	"	7
16442		3E-10N	"	74
16621		23E-10 3/4N	"	5
17356		14 1/2E-11 1/2N	"	3
17216		9 3/4E-13 1/4N	"	149
17276		5E-16 1/4N	"	68
C 477	Piedra	Sec.23, T.4S, R.8W	Dendora Ranch	13
C 479	"	Sec.35, T.4S, R.8W	"	4
C 481	"	Sec. 4, T.5S, R.8W	"	9
52610	Pipe Springs	Natl. Mon't.		5
48482	Pima	Sec.32, T.6S, R.25E	Joseph Alder	6
54720	Prescott	Sec. 4, T.13N, R.2W	Jay Marshall	1
55035	Quartzsite		Howard L. Rogers	T
55041	Rillito	Sec.33, T.12S, R.11E	Ralph H. Ludwin	L
53209	Roll	Sec.16, T.8S, R.17W	Wayne T. Wright	T
49019	Safford	Sec.28, T.7S, R.26E	H.A. Babb	2
48026	"	Sec.17, T.7S, R.26E	J.C. John	13
54290	Sahuarita	T.16S, R.14E	Tom Griffin	6
54641	St. John's		City	0
54680	San Carlos		S.G. Agency	T
54685	San Simon		Arthur Gentner	1
54293	"	T.13S, R.30E	Valley Motel	5
52609	Short Creek	Sec. 6, T.41N, R.6W	School	T
52607	"	Sec.24, T.41N, R.7W	Joe Foremaster	T
53476	Snowflake	Sec.25, T.13N, R.22E	Concho Flat Rch.	T
51724	Solomonville	T.7S, R.25E	M.M. Larson	2
	Sonoita			T
54292	Stanfield	Sec.31, T.5S, R.3E	W.L. Sossaman	6
49490	Thatcher	Sec.12, T.7S, R.25E	Union Canal	15
49568	"	" " C.N. Mote (well)		31
54714	Tombstone	Sec.23, T.23S, R.20E	City	0
52616	Tuba City	Sec.29, T.24N, R.8E		2
53405	Tucson	City	Rainbow Water Co.	1
55036	"	Sec.20, T.14S, R.14E	Pac.Fruit Exp.	0
53265	Warren	City	Arizona Edison	2
53456	Wellton	Sec. 2, T.9S, R.19W	B.C. Wilburn	1
53379	Wikieup		Kenneth Bavers	1
54279	Willcox	Sec.18, T.13S, R.25E	Ott Warren	6
53338	Yuma	City	Crane School	T
53444	"	Unit B, Main Canal	Univ. of Arizona	1
53376	"	Sec.19, T.9S, R.23W	Mrs. H. Corey	1