

**Appendix A.** Water chemistry data for wells and springs (1981 to 2003), Verde River headwaters region, Arizona. Methods and laboratories described in Chapter E, this volume.

[E, estimated; nd, not determined; <, less than]

Local ID (Township, Range, Section)	STAID Station no.	Name(s) used in this report or other reports	Altitude of land surface (ft)	Depth of well (ft below land surface datum)	Altitude of water (ft)	Well log	Date (mm/dd/yyyy)	Sample start time	Dissolved oxygen, water, unfiltered (mg/L)
<b>High-Altitude Springs and Tributaries south and west of Big Chino Valley</b>									
B-13-03 14dcc	342934112322501	Aspen Creek spring	6,610				04/16/2001	1530	10.9
B-14-03 11cab	343614112324501	Surprise spring	5,750				06/21/2002	0945	
B-15-03 36baa		Mint Spring					05/11/2000	1400	8.0
B-16-04 15acd		LV-1 spring	4,620				05/28/2001	1100	3.5
B-15-04 03bcb		LV-2 well		190		X	05/28/2001		7.9
B-16-05 25cdd	344255112442001	Williamson Valley Wash HW-1	5,050				04/18/2001	1215	
B-16-05 06sbbc	344709112495501	Cabin Spring	5,570				04/18/2001	1430	nd
B-16-05 06sbbc	344709112495501	Cabin Spring	5,570				06/19/2002	1340	
B-18-06 09abb	345759112541601	Pine Spring	6,300				04/20/2001	1315	5.3
B-18-06 09abb	345759112541601	Pine Spring	6,300				06/19/2002	1305	4.8
B-18-06 20aac	345605112550901	Lee Spring	5,720				04/20/2001	1015	
B-18-06 20aac	345605112550901	Lee Spring	5,720				04/20/2001	1015	nd
B-18-06 24ddd	345525112503401	Walnut Creek well	5,150	150			06/13/1990	1145	4.7
B-18-06 24ddd	345525112503401	Walnut Creek well		150			04/19/2001	1430	3.4
<b>Low-Altitude Springs discharging to upper Verde River</b>									
B-17-02 26ccc	344914112264301	Del Rio Springs (C-3)	4,425				08/25/1991	1245	6.3
B-17-02 26ccc3	344911112264401	Del Rio Springs (C-3)	4,425				06/15/2000	1245	
B-17-02 26ccc3	344911112264401	Del Rio Springs (DRS-1)	4,425				06/19/2000	1035	5.6
B-17-02 26ccc3	344911112264401	Del Rio Springs (DRS-1)	4,425				04/17/2001	1800	5.5
B-17-02 26ccc3	344911112264401	Del Rio Springs (C-3)	4,425				12/19/2002	1330	
B-17-02 13ccb	345102112254101	Lower Granite Springs (LGS-1)	4,280				06/17/2000	1115	2.5
B-17-02 13ccb	345102112254101	Lower Granite Springs (LGS-1)	4,280				06/17/2000	1030	
B-17-02 13ccb	345102112254101	Lower Granite Springs (LGS-1)	4,280				05/30/2001	1900	3.8
B-17-02 13cbc	345103112254501	Stillman Lake (SLS-1)	4,285				12/19/2002	1130	
B-17-02 13cbc?	345103112254501?	Stillman Lake (SLS-1)	4,285				05/07/2000	0930	0.8
B-17-02 11cdd	345154112262701	Stillman Lake (SLS-2)	4,245				06/17/2000	1400	5.9
B-17-02 11cdd	345154112262701	Stillman Lake (SLS-2)	4,245				06/17/2000	1300	
B-17-02 12	SP1350	SP1350	4,240				06/17/2000	0905	
B-17-02 12ccb	345155112254801	Upper Verde River spring (BC-1)	4,240				06/15/2000	1350	
B-17-02 12ccb	345155112254801	Upper Verde River spring (SP1700) spring G	4,240				06/17/2000	1610	6.9
B-17-02 12ccb	345155112254801	Upper Verde River spring (BC-1)	4,240				04/20/2001	1600	6.9
B-17-02 12ccb	345155112254801	Upper Verde River spring (BC-1)	4,240				12/19/2002	1030	
B-17-02 12	SP2300	Upper Verde River spring (SP2300)					06/17/2000	1535	2.2
B-17-02 12	SP2625	Upper Verde River spring (SP2625)					06/18/2000	1050	5.7
B-17-02 12	SP2650	Upper Verde River spring (SP2650)					06/18/2000	1100	6.3
B-17-02 12	SP2915	Upper Verde River spring (SP2915)					06/18/2000	1110	0.6
B-17-02 12	SP4610	Upper Verde River spring (SP4610)					06/18/2000	1030	1.2
B-17-01 03cca	345243112212701	Unnamed spring near Muldoon Canyon					05/16/2003	0200	4.4

**Appendix A.** Water chemistry data for wells and springs (1981 to 2003), Verde River headwaters region, Arizona. Methods and laboratories described in Chapter E, this volume. (Continued)

pH, water, unfiltered (standard units)	Specific conductance, water, unfiltered ( $\mu\text{S}/\text{cm}$ @ 25°C)	Temperature, water (°C)	Bicarbonate, water, titration (mg/L)	Alkalinity, water, titration (mg/L as $\text{CaCO}_3$ )	Aluminum, water, filtered ( $\mu\text{g}/\text{L}$ )	Arsenic, water, filtered ( $\mu\text{g}/\text{L}$ )	Boron, water, filtered ( $\mu\text{g}/\text{L}$ )	Barium, water, filtered ( $\mu\text{g}/\text{L}$ )	Bromide, water, filtered (mg/L)	Calcium, water, filtered (mg/L)	Chloride, water, filtered (mg/L)	Fluoride, water, filtered (mg/L)
<b>High-Altitude Springs and Tributaries south and west of Big Chino Valley</b>												
6.1	136	8.5	67	55	<15		E11.38			15	3	
6.9	336	16.2	168	138	<15		23			36	8	
6.7	179	15.0	122	105	5.3	0.4	32	63		21	7	0.7
7.2	601	20.5	354	290			65	110		89	9	0.6
7.8	416	16.7	220	180	<0.01	<100	24	12		47	13	0.4
6.7	97	18.8	44	36	<15		33			10	3	
7.4	364	22.0	210	172			26			28	10	
6.8	358	22.5	206	169	<15		16			25	10	
7.2	959	8.0	639	524			32			72	11	
7.2	921	12.0	631	517	<15		33			76	11	
7.9	751	16.0	442	362	<15		39			71	24	
7.9	751	16.0	442	362			39			71	24	
7.6	580	16.5		297		2	30	36		68	12	0.9
7.0	589	16.6	357	294			24	32		71	10	1.2
<b>Low-Altitude Springs discharging to upper Verde River</b>												
8.3	330	20.0	136	111		17	40	10	0.14	30	19	0.3
7.6	376	19.8								29	22	0.3
7.6	345	18.5	151	124	0.83	11	41	8.7		46	21	0.5
7.7	367	18.6	155	127				8.7		25		
7.9	443	16.5		144	<15	11	40			36	25	
7.3	458	18.9	226	185	7.8	16	81	33		48	21	0.5
7.3	548	18.9								43	21	0.3
7.9	457	20.3	224	184								
8.0	474	16.1	246	292	<15	11	56			45	24	
6.8	546	15.2	293	240	3.6	7	80	170		56	16	0.4
8.1	454	28.0	251	206	8.2	12	70	92		87	14	0.4
8.1	454	28.0								43	16	0.3
7.4								86		51	23	0.4
7.2	654	20.5			1.6	13				44	20	0.4
7.4	552	19.8		285	16	19	200	45		30	24	0.5
7.3	549	19.5	329	270	16	19		49		39		
7.8	474	19.0	256	210	<15	19	136			40	17	
7.1	557	25.0	293		4.8	17	200	49		43	20	0.5
7.1	579	21.1	305	240	6.1	20	210	50		45	19	0.5
7.3	584	20.0	329	260	7.4	21	200	52		42	19	0.5
6.9	663	24.7	354	293	2.4	29	200	64		46	23	0.5
7.3	642	21.4	354	303	8.6	29	270	62		53	23	0.5
6.8	704	18.2	330	270	0.71	26	260	110		55	23	0.5

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Iron, water, filtered (µg/L)	Potassium, water, filtered (µg/L)	Lithium, water, filtered (µg/L)	Magnesium, water, filtered (mg/L)	Manganese, water, filtered (µg/L)	Sodium, water, filtered (µg/L)	Nitrate, water, filtered (mg/L as N)	Silica as Si, water, filtered (mg/L)	Silica as SiO <sub>2</sub> , water, filtered (mg/L)	Sulfate, water, filtered (mg/L)	Strontium, water, filtered (µg/L)	Uranium, water, filtered (µg/L)	Vanadium, water, filtered (µg/L)
<b>High-Altitude Springs and Tributaries south and west of Big Chino Valley</b>												
<10	0.5	<3.9	4	<3.2	5		17	28	2.8	123		<8
<10	0.6	19	11	14	16		31	50	13.6	192		<8
23	0.5	12	5	4	10	0.4	9	14	5.1	150	0.48	0.2
	1.7	7	19		18	2.4	14		11.0	440	3.17	10
<0.02	1.4	15	15	5	16	7.9	15		8.1	370	1.85	
<10	1.1	E2.37	3	6	3		23		3.3	69		<8
	1.4	25	18	172	21		43		2.8	191		<8
<10	0.9	28	18	3	22		35		4.7	147		<8
<10	0.4	E2.90	80	<3.2	8		11		17.7	96		<8
<10	0.7	E3.66	82	50	8		13		14.4	94		<8
<10	0.9	18	47	E2.46	20		28		20.2	150		E4.58
	0.9	18	47	3	20		28		20.2	150		4.6
4	0.9	23	28	<1	16		30		3.8	140		3
	1.0	18	29		17	3.6	15		4.7	140	3.81	10
<b>Low-Altitude Springs discharging to upper Verde River</b>												
4	2.6	10	15	<1	17			33	12.0	480		15
	2.5		16		17		33		14.4			
	2.4	10	21	14	21	6.2	16		14.0	500	1.81	15
15	1.9	7	12	13	13			24	9.3	460	1.44	12
<10	2.7	9	19	5	17		34		20.8	541		11.3
22	2.9	12	22	24	20	4.6	20	31	13.0	620	2.08	8.8
	2.9		21		21		43		14.7			
											2.51	
16	3.0	10	20	67	18		39		14.7	600		E5.87
61	3.8	17	24	220	21	1.3	18	28	15.0	540	0.63	2.5
44	2.5	15	40	900	9	0.4	16	26	13.0	560	1.83	0.6
	4.6		22		21		34		10.1			
82		21	20	260	28			46	4.0	490	0.45	0.6
	3.2		22		44		43		12.7			
	3.0	36	16	10	17	4.1	20		15.0	390		
35	2.5	32	17	0	34			34	9.7	380	3.34	11
<10	2.7	28	19	<2	32		42		11.1	346		11.8
30	4.0	39	23	16	46	1.3	13	21	14.0	380	2.69	7.4
28	3.0	39	22	4	44	5.6	20	35	14.0	380	3.08	10
28	2.8	37	21	0	44	5.9	19	35	14.0	360	2.91	11
65	6.2	39	23	520	47	0.4	20	37	13.0	400	2.91	1.5
34	3.3	49	26	11	60	2.4	21	36	16.0	440	2.91	10
40	2.6	41	25	12	57	<0.08		34	23.0	380	0.79	0.81

**Appendix A.** Water chemistry data for wells and springs (1981 to 2003), Verde River headwaters region, Arizona. Methods and laboratories described in Chapter E, this volume. (Continued)

Local ID (Township, Range, Section)	STAID Station no.	Name(s) used in this report or other reports	Altitude of land surface (ft)	Depth of well (ft below land surface datum)	Altitude of water (ft)	Well log	Date (mm/dd/yyyy)	Sample start time	Dissolved oxygen, water, unfiltered (mg/L)
<b>Low-Altitude Springs discharging to upper Verde River (continued)</b>									
A-17-01 07aaa UNSURV	345235112172501	Duff Spring	4,055				07/04/1991	1145	6.4
A-17-01 07aaa UNSURV	345235112172501	Duff Spring	4,055				06/13/2000	1200	
A-17-01 07aaa UNSURV	345235112172501	Duff Spring	4,055				12/18/2002	1640	
<b>Carbonate Aquifer north of upper Verde River (Mississippian-Devonian sequence)</b>									
B-19-02 19bdd	350107112305601	Storm Seep	5,580		5,400		05/07/2000	1700	
B-19-02 19bdd	350107112305601	Storm Seep	5,580				04/19/2001	1130	7.7
B-19-02 19bdd	350107112305601	Storm Seep	5,580				06/20/2002	1045	5.6
B-19-03 26adb	350022112324001	Pool Seep	5,380				04/19/2001	1345	6.1
B-20-02 35baa	350535112263601	Meath Spring	4,990		5,000		04/17/2001	1630	9.9
B-20-04 02cdb		Tucker Canyon Spring			4,830		05/11/2000	1030	2.6
B-18-01 06abb	345843112240201	Hell Well (BBM-04)		460			07/04/1987		
B-18-01 17aaa	345653112223701	Gipe well	4,643	620			08/18/1994	1230	
B-18-01 17aaa	345653112223701	Gipe well		620	4,220	X	05/31/2001	1300	9.2
B-19-01 16aca	350154112220001	Bean well, well M		720	4,240	X	05/26/2002	0940	5.1
A-19-01 33bbd	345905112174401	Bar Hart Ranch well	4,460	585			08/03/1994	1400	4.2
A-19-01 33bbd	345905112174401	Bar Hart Ranch well	4,460	585	3,926		05/24/2002	1830	7.8
A-18-01 18bbb	345644112193601	King Spring	4,200	Surface	4,200		05/05/2000	1630	3.4
A-17-01 02bba		Mormon Pocket spring	3,675	Surface	3,675		05/21/2002	0830	8.8
A-17-03 05caa		Summers Spring	3,640	Surface	3,640		05/20/2002	1500	7.1
<b>Little Chino Basin-fill Aquifer</b>									
B-15-02 23cbd	343938112263201	LC-10	5,071	578			05/06/1981	1530	
B-16-01 17ccb	344540112234301	Schaible well	4,764	305			05/07/1981	1000	
B-16-01 17ccb	344540112234301	Schaible well		305	nd		05/27/2001	1100	10.5
B-17-02 15acc		Arnold well		250	-4,260	X	04/17/2001	1430	6.4
B-17-02 15caa	345122112272601		4,390	170			05/07/2003	1100	5.6
B-17-02 15cad2	345115112273101		4,377	157			05/06/2003	1140	
<b>Big Chino Basin-fill Aquifer</b>									
B-17-02 04aaa	345342112281501	C-7	4,390	298			09/08/1991	1130	6.0
B-17-02 04aaa	345342112281501	C-7	4,390	298			03/05/2003	1140	4.8
B-17-02 04ddc		Smith/Texaco, well E	4,390	200	-4,260	X	06/01/2001	0900	8.9
B-17-02 09dba	345220112282501		4,380	190			03/04/2003	1130	6.1
B-17-02 09ddd2	345157112280701	C-2		130			09/08/1991	1330	6.8
B-17-02 10cac	345209112274001		4,393	310			03/07/2003	1220	4.1
B-17-02 S34bca4	345041112274501	C-1		57			09/08/1991	1245	6.8
B-17-02 S34bba	344822112274301	C-5		?			09/08/1991	0915	10.7

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pH, water, unfiltered (standard units)	Specific conductance, water, unfiltered ( $\mu\text{S}/\text{cm}$ @ 25°C)	Temperature, water (°C)	Bicarbonate, water, titration (mg/L)	Alkalinity, water, titration (mg/L as $\text{CaCO}_3$ )	Aluminum, water, filtered ( $\mu\text{g}/\text{L}$ )	Arsenic, water, filtered ( $\mu\text{g}/\text{L}$ )	Boron, water, filtered ( $\mu\text{g}/\text{L}$ )	Barium, water, filtered ( $\mu\text{g}/\text{L}$ )	Bromide, water, filtered (mg/L)	Calcium, water, filtered (mg/L)	Chloride, water, filtered (mg/L)	Fluoride, water, filtered (mg/L)
<b>Low-Altitude Springs discharging to upper Verde River (continued)</b>												
8.1	438	26.0	250	205				48	0.15	47	14	0.3
7.8	442	20.3								43	14	0.2
7.7	404	17.0	226	185	<15	41	68			42	14	
<b>Carbonate Aquifer north of upper Verde River (Mississippian-Devonian sequence)</b>												
8.3	471				6.4	1.2	33	38		64	4	0.1
7.8	511	10.5	325	267	<15		21			86	4	
7.6	386	13.0		169	<15		20			57	4	
8.1	655	12.0	333	271	<15		62			58	10	
9.2	159	20.6	71	53			19			20	3	
7.1	996	14.5	573	470	6.1	6	95	160		72	47	0.4
8.5	423			178			60			41	14	0.1
7.7	451	20.4	227	186			43	160		49	11	0.3
7.7	380	23.6	220	180	2.1	7.3	12	351		40	7	0.2
7.6	349	18.0		179		10	40	300	0.03	41	3	0.1
7.6	345	19.4	215	176	2.3	15	25	299		40	4	0.1
6.9	675	19.0	410	336	4.3	3	39	140		87	7	0.4
7.5	357	18.4	220	180	3.4	16	51	299		39	4	0.2
7.0	534	19.4	320	262	3.4	12	71	186		63	6	0.1
<b>Little Chino Basin-fill Aquifer</b>												
7.8	330						20			37	10	0.2
7.9	338			110		3	30			44	16	0.0
7.2	266	17.7	122	110			21	110		31	5	0.3
7.3	502	17.0	237	194			55	44		54	21	0.4
7.7	491	16.5	247	203	<15	11	52			55	23	
7.6	505	15.3	248	204	<15	11	61			55	25	
<b>Big Chino Basin-fill Aquifer</b>												
7.8	430	19.0	183	150		12	70	30	0.13	42	18	0.4
7.8	406	17.5	218	179	<15	13	73			41	14	
7.8	386	18.7	195	160			73	22		36	13	0.5
7.7	353	16.2	197	161	<15	14	75			36	12	
7.8	530	16.0	231	189		10	70	55	0.18	61	23	0.3
7.6	548	15.5	298	244	<15	5	79			58	23	
7.8	445	17.5	178	146		12	50	26	0.16	52	21	0.3
8.0	325	19.5	110	90		12	40	5	0.14	37	21	0.3

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Iron, water, filtered (µg/L)	Potassium, water, filtered (µg/L)	Lithium, water, filtered (µg/L)	Magnesium, water, filtered (mg/L)	Manganese, water, filtered (µg/L)	Sodium, water, filtered (µg/L)	Nitrate, water, filtered (mg/L as N)	Silica as Si, water, filtered (mg/L)	Silica as SiO <sub>2</sub> , water, filtered (mg/L)	Sulfate, water, filtered (mg/L)	Strontium, water, filtered (µg/L)	Uranium, water, filtered (µg/L)	Vanadium, water, filtered (µg/L)
<b>Low-Altitude Springs discharging to upper Verde River (continued)</b>												
	1.0		24		11		16		8.3	170		
	1.3		24		11		18		6.4			
<10	1.4	9	24	<2	11	3.4	19		5.8	162		8
<b>Carbonate Aquifer north of upper Verde River (Mississippian-Devonian sequence)</b>												
1600	0.5	10	16	9	3	7.9	5	9	23.0	82	0.52	1.8
<10	0.2	<3.9	16	36	3		9		22.2	74		<8
<10	0.5	<3.9	15	8	3		12		26.0	70		<8
<10	1.1	6	46	<3.2	10		12		51.1	86		E6.46
<10	3.8	<3.9	6	E1.80	3		17		3.2	130		9.2
<0.05	3.0	<10	88	130	34	0.4	17	25	27.0	360	1.50	1.9
10	1.3		21	1	11	1.2	16		7.5			
	1.1	12	19		10	7.9	7		6.9	110	0.82	
39	1.3	3	19	19	6	3.1	9	18	18.0	101	0.57	0.55
<3	1.4	6	16	<1	5		16		3.0	110		7
39	1.3	6	15	15	5	0.3	7	15	15.0	109	0.72	0.77
72	1.6	10	40	46	9	0.4	11	16	4.9	280	0.58	0.68
38	1.3	10	16	16	7	0.2	7	15	15.0	120	0.72	0.74
64	1.1	15	24	23	5	0.3	6	13	13.0	106	0.52	0.55
<b>Little Chino Basin-fill Aquifer</b>												
30	1.7		14	M	12		37		6.1			
20	1.1		9	M	10		22		14.0			
	1.2	7	9		9	26	10		8.2	340	0.91	
	3.1	13	20		20	7.5	18		16.0	560	4.11	14
<10	3.0	14	20	<2	19		39		17.2	583		14.7
<10	3.0	13	19	<2	22		39		18.7	555		18.5
<b>Big Chino Basin-fill Aquifer</b>												
4	3.1	20	18	<1	20			38	12.0	420		13
<10	3.1	18	18	<2	18		45		10.9	417		15.5
	3.0	17	16		18	5.4	22		9.2	370	2.56	16
<10	2.9	17	15	<2	17		48		7.7	366		17.7
5	3.2	15	21	<1	23			39	14.0	590		11
10	3.5	8	24	<2	24		33		21.0	430		9.1
3	2.6	14	16	<1	17			42	13.0	450		13
<3	1.6	9	9	<1	14			33	9.2	270		14

**Appendix A.** Water chemistry data for wells and springs (1981 to 2003), Verde River headwaters region, Arizona. Methods and laboratories described in Chapter E, this volume. (Continued)

Local ID (Township, Range, Section)	STAID Station no.	Name(s) used in this report or other reports	Altitude of land surface (ft)	Depth of well (ft below land surface datum)	Altitude of water (ft)	Well log	Date (mm/dd/yyyy)	Sample start time	Dissolved oxygen, water, unfiltered (mg/L)
<b>Big Chino Basin-fill Aquifer (continued)</b>									
B-18-02 31cdc		Prucha well, well D		300	~4,259	X	04/17/2001	1430	6.3
B-18-03 25cda	345442112315801	C-4		334			09/09/1991	0945	4.3
B-19-03 18ccc	350138112374101	C-9		200			09/09/1991	1030	6.4
B-19-03 28dac	350002112344201	T2 windmill, well C	4,639	190			06/13/1990	1100	4.2
B-19-03 28dac	350002112344201	T2 windmill, well C		190	4,467		05/24/2002	1600	nd
B-19-03 30bcb		T2, well B		750	4,470		05/30/2001	1600	6.6
B-19-04 04bdb		RWK, well A		569	4,520		05/30/2001	1100	6.8
B-19-04 04cac	350332112413701	C-8	4,547	500			08/26/1991	1230	5.8
B-19-04 04cac	350332112413701	C-8	4,547	500			06/08/1992	1230	6.3
B-19-04 04cac	350332112413701	C-8	4,547	500			05/24/1993	1200	9.1
B-19-04 04cac	350332112413701	C-8	4,547	500			07/14/1994	1130	4.6
B-19-04 04cac	350332112413701	C-8	4,547	500			06/20/1996	1100	5.4
B-19-04 04cac	350332112413701	C-8	4,547	500			06/12/1997	0915	5.6
B-19-04 04cac	350332112413701	C-8	4,547	500			06/22/1998	1345	5.4
B-19-04 04cac	350332112413701	C-8	4,547	500			05/30/2001	0930	5.3
B-21-02 14bcc	351207112283701	AF-06		1,700			08/26/1991	0930	nd
B-23-07 1ccc	352410112581001	BC-19	5,150	500			08/13/1986	0845	10.8
B-23-07 26dda	352045112583401	BC-10	5,207	474			06/11/1990	1400	4.8
<b>Carbonate Aquifer underlying Big Chino Basin-fill Aquifer (Devonian-Cambrian zone)</b>									
B-17-02 02cac	345302112264701	C-6/Wagner, well F	4,590	480			08/29/1991	0800	6.6
B-17-02 02cac	345302112264701	C-6/Wagner, well F	4,590	480			03/06/2003	1200	4.7
B-17-02 02cac	345302112264701	C-6/Wagner, well F	4,590	480	4,245	X	05/31/2001	1500	7.4
B-18-02 21acb		Reeves well, well H		346	~4,263	X	05/27/2001	1700	5.7
B-18-02 27cba	345459112275601	C-11		285			09/09/1991	0830	5.2
B-18-02 27cda	345440112274101	LS-12		3,010			08/29/1991	0930	6.3
B-18-02 28bab	345525112285201		4,490	335			05/08/2003	0955	4.8

**Appendix A.** Water chemistry data for wells and springs (1981 to 2003), Verde River headwaters region, Arizona. Methods and laboratories described in Chapter E, this volume. (Continued)

pH, water, unfiltered (standard units)	Specific conductance, water, unfiltered ( $\mu\text{S}/\text{cm}$ @ 25°C)	Temperature, water (°C)	Bicarbonate, water, titration (mg/L)	Alkalinity, water, titration (mg/L as $\text{CaCO}_3$ )	Aluminum, water, filtered ( $\mu\text{g}/\text{L}$ )	Arsenic, water, filtered ( $\mu\text{g}/\text{L}$ )	Boron, water, filtered ( $\mu\text{g}/\text{L}$ )	Barium, water, filtered ( $\mu\text{g}/\text{L}$ )	Bromide, water, filtered (mg/L)	Calcium, water, filtered (mg/L)	Chloride, water, filtered (mg/L)	Fluoride, water, filtered (mg/L)
<b>Big Chino Basin-fill Aquifer (continued)</b>												
7.6	548	15.5	298	244	<15	5	79			58	23	
7.8	445	17.5	178	146		12	50	26	0.16	52	21	0.3
8.0	325	19.5	110	90		12	40	5	0.14	37	21	0.3
7.8	277	18.5	110	90			41	22		29	8	0.5
8.0	430	19.0	165	135		nd	130	56	0.21	24	28	0.8
8.0	323	18.5	184	150		7	40	150	0.13	28	12	0.3
7.5	476	17.5		207		1	30	250		52	19	0.2
7.5	488		244	200	3.2	3	16	218		46	18	0.2
8.0	388	20.1	195	160			40	46		21	9	0.3
7.6	480	21.9	271	222			54	160		33	12	0.3
7.9	436	22.0	202	165		14	60	130	0.13	32	13	0.3
7.6	538	20.0	294	241			60			42	20	0.2
7.7	695	15.0		274			110			64	22	0.2
7.7	473	21.5		210			70			34	13	0.3
7.6	457	21.5		204			60			34	12	0.3
7.8	444	22.0		206			60			33	13	0.3
7.6	452	22.0		200			70			31	12	0.3
7.8	464	21.5		223			59			33	13	0.3
7.9	614	nd	nd	nd		nd	nd	43	0.20	54	30	0.3
7.4	387	20.0		174		3	60	94		39	10	0.2
7.7	432	19.0		220		2	40	350		46	16	0.2
<b>Carbonate Aquifer underlying Big Chino Basin-fill Aquifer (Devonian-Cambrian zone)</b>												
8.1	400	18.5	187	153		13	80	31	0.14	42	19	0.2
7.7	423	18.2	235	193	<15	14	88			41	15	
8.0	437	23.9	217	178			87	29		41	14	0.4
7.0	903	25.9	500	410			440	61	0.18	64	27	1.1
7.6	795	25.0	379	310		38	390	74	0.17	57	29	0.7
7.8	730	24.0	334	273		33	330	70		55	nd	0.8
7.3	699	23.5	411	337	<15	37	456			43	24	



**Appendix A.** Water chemistry data for wells and springs (1981 to 2003), Verde River headwaters region, Arizona. Methods and laboratories described in Chapter E, this volume. (Continued)

Iron, water, filtered (µg/L)	Potassium, water, filtered (µg/L)	Lithium, water, filtered (µg/L)	Magnesium, water, filtered (mg/L)	Manganese, water, filtered (µg/L)	Sodium, water, filtered (µg/L)	Nitrate, water, filtered (mg/L as N)	Silica as Si, water, filtered (mg/L)	Silica as SiO <sub>2</sub> , water, filtered (mg/L)	Sulfate, water, filtered (mg/L)	Strontium, water, filtered (µg/L)	Uranium, water, filtered (µg/L)	Vanadium, water, filtered (µg/L)
<b>Big Chino Basin-fill Aquifer (continued)</b>												
<3	1.4	12	10		12	18	20		7.3	180	1.02	10
<3	2.3	nd	22	<1	24			73	6.1	720		nd
<3	1.5	10	28	<1	13			22	7.1	230		15
24	1.1	12	26	<11	10		21		7.7	150		3
	1.2	7	24		9	15	10		10.0	135	1.46	
	2.2	8	26		16	10	10		5.4	360	0.74	22
	3.1	9	26		20	13	14		8.6	300	2.10	13
<3	2.5	12	26	<1	23			30	7.0	330		13
8	2.4		32	<1	21		27		16.0			
4	1.1		37	<1	35		30		35.0			
5	2.1		27	<1	24		31		9.9			
<3	2.5		27	<1	22		30		7.7			
<3	2.4		26	<1	20		30		7.0			
<10	2.5		27	4	22		29		7.2			
<2	2.3		26	<1	23		27		8.0			
nd	1.4	nd	19	nd	48			17	8.8	150		nd
12	2.9	11	21	6	7		17		5.0	190		8
<3	1.4	12	24	7	6		18		6.4	180		2
<b>Carbonate Aquifer underlying Big Chino Basin-fill Aquifer (Devonian-Cambrian zone)</b>												
7	2.9	21	18	<1	23			38	13.0	410		12
<10	3.0	19	18	<2	21		44		12.0	408		13.4
	3.0	19	18		23	6.7	20		11.0	400	2.69	12
	4.0	86	28		93	5.9	17		23.0	350	3.66	11
4	3.6	79	27	<1	84			40	16.0	390		10
9	3.3	66	26	1	77			34	30.0	380		11
E8.7	2.9	54	26	<2	71		34		16.4	419		17.9