

Table 1. Chemical quality of water from selected wells, springs, and tunnels that yield water from the consolidated rock and basin-fill aquifer along the west side of the Oquirrh Mountains, Tooele County, Utah

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; °C, degrees Celsius; mg/L, milligrams per liter; µg/L, micrograms per liter; —, no data or information; <, less than]

Data source: DEQ, Utah Department of Environmental Quality; Do, ditto; USGS, U.S. Geological Survey; UDH, Utah Department of Health

Location	Date	Well depth (feet)	Altitude of land surface (feet)	Specific conductance (µS/cm)	pH (standard units)	Water temperature (°C)	Hardness, total (mg/L as CaCO ₃)	Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Potassium, dissolved (mg/L as K)	Bicarbonate, water, field (mg/L as HCO ₃)	Carbonate, water (mg/L as CO ₃)	Alkalinity, lab (mg/L as CaCO ₃)	Sulfate, dissolved (mg/L as SO ₄)	Chloride, dissolved (mg/L as Cl)	Solids, residue at 180 °C (mg/L)	Solids, sum of constituents, dissolved (mg/L)	Nitrogen, NO ₃ +NO ₂ , dissolved (mg/L as N)	Phosphorus, dissolved (mg/L as P)	Arsenic, dissolved (µg/L as As)	Barium, dissolved (µg/L as Ba)	Cadmium, dissolved (µg/L as Cd)	Chromium, dissolved (µg/L as Cr)	Copper, dissolved (µg/L as Cu)	Iron, dissolved (µg/L as Fe)	Lead, dissolved (µg/L as Pb)	Manganese (µg/L as Mn)	Mercury, dissolved (µg/L as Hg)	Selenium, dissolved (µg/L as Se)	Silver, dissolved (µg/L as Ag)	Zinc, dissolved (µg/L as Zn)	Data source
(C-1-4)25ccb-1	04/23/1985	—	4,235	—	—	—	320	75	33	175	13	220	0	—	38	360	850	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	DEQ
	07/26/1988	—	—	—	—	—	280	58	34	212	11	240	<1	—	30	370	844	—	—	—	—	—	—	—	—	<20	—	—	—	—	—	—	Do.
	07/27/1992	—	—	—	—	—	—	66	—	234	—	—	—	—	29	390	940	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Do.
(C-1-4)26ddd-1	06/23/1978	213	4,225	—	—	—	480	99	57	570	29	260	—	—	55	1,100	—	2,050	—	—	—	—	—	—	—	—	—	—	—	—	—	—	USGS
(C-1-4)35dcc-1	12/01/1994	150	4,234	—	7.6	14.5	260	54	31	450	16	270	0	—	39	740	1,470	—	.53	—	<5	100	<1	<5	<20	41	<3	<5	<2	2	<2	<30	DEQ
	12/01/1994	—	—	2,790	7.6	14.5	260	55	30	460	18	—	—	233	37	740	—	1,490	.39	—	—	—	—	—	—	30	—	<10	—	—	—	—	USGS
(C-1-4)36bbd-1	12/01/1994	89	4,270	—	7.6	13.5	280	64	29	130	5.9	240	0	—	69	210	640	—	2.4	—	<5	64	<1	<5	<20	23	<3	<5	<2	2	<2	230	DEQ
(C-2-4)1dab-S1	06/19/1996	—	4,840	460	8.0	16.0	190	57	11	16	1.4	—	—	155	46	20	265	259	.86	.003	<1	35	1	<5	<10	13	<10	<1	—	2	9	USGS	
(C-2-4)2aba-1	06/13/1978	232	4,239	—	—	16.5	74	23	4.1	340	5.7	180	—	—	42	360	—	882	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Do.
(C-2-4)2abb-1	12/01/1994	343	4,238	—	7.7	16.5	260	61	25	300	11	250	0	—	32	460	1,060	—	.73	—	<5	95	<1	<5	<20	100	<3	<5	<2	2	<2	<30	DEQ
(C-2-4)13aad-S1	06/19/1996	—	4,890	670	7.6	13.0	280	67	27	31	1.4	—	—	244	61	33	380	380	.26	.006	<1	49	<1	<5	<10	<3	<10	<1	—	<1	<3	USGS	
(C-2-4)15cac-S1	06/27/1978	—	4,300	2,280	—	17.0	480	110	50	320	11	250	—	—	210	290	460	—	1,380	—	—	—	—	—	—	—	—	—	—	—	—	—	Do.
	12/01/1994	—	—	2,020	7.4	17.0	400	91	41	250	7.7	260	0	215	160	410	1,150	—	1.48	.02	<5	48	<1	<5	<20	<20	<3	<5	<2	4	<2	<30	UDH
(C-2-4)26ddd-S1	06/27/1978	—	4,600	600	—	16.0	280	71	26	30	2.4	210	—	—	170	30	41	—	314	—	—	—	—	—	—	—	—	—	—	—	—	—	USGS
	06/10/1988	—	—	650	8.0	16.5	270	65	25	31	2.1	—	—	246	30	40	—	352	.19	—	—	—	—	—	—	<3	—	<1	—	—	—	—	Do.
	12/07/1994	—	—	639	7.7	16.0	280	68	26	30	2.2	310	0	253	32	43	360	353	.11	<.01	<5	140	<1	<5	<20	<20	<3	<5	<2	2	<2	<30	UDH
(C-3-3)4ccb-1	07/11/1988	—	6,240	765	7.4	10.0	350	86	33	34	1.2	—	—	271	77	39	—	442	.16	—	—	—	—	—	—	—	<1	<1	—	—	—	—	USGS
(C-3-3)6cda-S1	06/10/1988	—	5,600	740	7.3	11.5	320	75	33	32	1.3	—	—	275	45	40	—	402	.25	—	—	—	—	—	—	—	<3	<3	—	—	—	—	Do.
(C-3-3)8dcc-S1	07/25/1988	—	6,220	1,020	—	9.0	420	87	50	65	2.2	—	—	329	180	48	—	647	.29	—	—	—	—	—	—	—	4	—	2	—	—	—	Do.
(C-3-3)8ddd-S1	08/17/1988	—	6,600	790	7.6	11.0	350	71	41	36	1.1	—	—	275	66	33	—	427	.70	—	—	—	—	—	—	6	—	4	—	—	—	—	Do.
(C-3-3)9bbcc-S1	07/08/1988	—	6,320	940	8.2	10.0	400	95	39	62	1.5	—	—	326	120	57	—	583	<.1	—	—	—	—	—	—	—	<3	<3	—	—	—	—	Do.
(C-3-3)16cca-S1	08/19/1988	—	6,600	720	7.5	10.0	370	85	39	15	1.0	—	—	303	85	13	—	431	.17	—	—	—	—	—	—	—	—	<1	—	—	—	—	Do.
(C-3-3)17acb-S1	08/22/1988	—	6,250	680	7.6	10.0	300	66	34	30	1.4	—	—	262	84	20	—	407	.59	—	—	—	—	—	—	—	4	—	9	—	—	—	Do.
(C-3-3)17adc-S1	08/22/1988	—	6,480	640	7.6	10.5	310	64	36	23	1.0	—	—	245	73	17	—	373	.7	—	—	—	—	—	—	—	5	—	4	—	—	—	Do.
(C-3-3)19dab-1	06/24/1996	—	5,855	520	8.5	12.5	210	30	33	13	3.0	—	—	189	2.9	15	232	213	.05	.32	2	17	1	<5	<10	12	<10	97	—	2	<3	Do.	
(C-3-3)20bab-1	09/18/1995	200	6,000	620	7.5	11.0	280	59	31	28	1.4	—	—	223	81	22	—	374	1.5	<.01	—	—	—	—	—	42	—	2	—	—	—	—	Do.
(C-3-3)20bad-S1	08/22/1985	—	5,560	—	—	—	260	60	27	21	1.7	170	0	—	110	41	387	343	—	—	11	33	5	<5	<5	33	<10	7	<5	<2	<2	<5	DEQ
(C-3-3)28bca	01/11/1978	—	6,430	—	8.0	26.0	180	39	21	7.3	3.3	150	0	—	38	18	—	216	—	—	8	—	<2	<20	<2	<10	7	<10	—	1	—	<20	USGS
Carr Fork Production Shaft	01/11/1978	—	6,600	—	7.1	17.0	1,100	190	150	17	3.4	250	0	—	860	22	—	1,400	—	—	9	—	6	0	57	50	5	1,700	—	<1	—	2,800	Do.
(C-3-3)28bdc	01/11/1978	—	6,600	—	7.1	17.0	1,100	190	150	17	3.4	250	0	—	860	22	—	1,400	—	—	9	—	6	0	57	50	5	1,700	—	<1	—	2,800	Do.
Pine Canyon Tunnel	01/11/1978	—	6,600	—	7.1	17.0	1,100	190	150	17	3.4	250	0	—	860	22	—	1,400	—	—	9	—	6	0	57	50	5	1,700	—	<1	—	2,800	Do.
(C-3-3)31cab-S1	09/15/1995	—	5,600	—	—	—	—	81	38	12	1.4	—	—	—	—	—	—	—	—	—	5	22	<2.8	<5.7	<3.2	31	<2.7	7.3	<2	<2	<8.3	24	DEQ
(C-3-3)31cab-S1	07/10/1988	—	7,300	495	8.2	8.5	250	65	22	9.8	.6	—	—	216	15	9.5	—	263	<.1	—	—	—	—	—	—	<3	—	<1	—	—	—	—	USGS
(C-3-4)10ddd-1	09/13/1995	542	4,812	940	7.3	15.5	410	110	33	50	2.1	—	—	205	230	53	—	626	2.6	<.01	—	—	—	—	—	23	—	5	—	—	—	—	Do.
(C-3-4)12dcc-1	09/19/1995	—	—	830	7.4	12.5	370	85	39	36	1.8	—	—	223	170	42	—	532	2.9	.04	—	—	—	—	—	4	—	2	—	—	—	—	Do.
(C-3-4)14																																	