

Table 2.--Chemical analyses of ground water, Missoula and Powell Counties, Montana

Well location	Date of sample	Time	Specific conductance (µmhos) ¹	pH (units)	Temperature (°C)	Hardness (mg/L as CaCO ₃)	Hardness, noncarbonate (mg/L as CaCO ₃) ²	Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Sodium percent	Sodium adsorption ratio	Potassium, dissolved (mg/L as K)	Bicarbonate (mg/L as HCO ₃)	Carbonate (mg/L as CO ₃)	Alkalinity (mg/L as CaCO ₃)	Sulfate, dissolved (mg/L as SO ₄)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO ₂)	Solids, sum of constituents, dissolved (mg/L)	Nitrogen, nitrate, dissolved (mg/L as N)	Nitrogen, NO ₂ +NO ₃ , dissolved (mg/L as N)	Nitrogen, ammonia + organic, dissolved (mg/L as N)	Phosphorus, ortho, dissolved (mg/L as P)	Phosphate, ortho, dissolved (mg/L as PO ₄)	Iron, dissolved (µg/L as Fe) ³	Lithium, dissolved (µg/L as Li)	Manganese, dissolved (µg/L as Mn)	Analysis by ⁴	
10N08W08DDCB	76-08-13	1500	---	8.2	12.0	44	0	16	0.9	93	81	6	2	210	0	170	71	8.9	0.6	22	318	--	0.01	--	0.04	0.12	110	--	70	USGS	
11N08W34BBAB	76-08-13	1545	---	7.7	8.5	140	0	41	9.6	6.0	8	.2	2	180	0	150	6.3	2.1	.1	26	182	--	.11	--	.05	.15	250	--	20	USGS	
12N19W05BACB	78-08-01	0830	272	7.4	12.0	120	0	21	16	9.9	15	.4	1	150	0	120	7.4	5.4	.2	24	159	.90	--	--	--	--	<10	<10	<10	MBMG	
12N19W06BBAB	78-07-31	1640	402	7.6	12.0	190	26	49	16	9.4	10	.3	2	200	0	170	29	6.5	.1	16	229	1.4	--	--	--	--	10	<10	<10	MBMG	
12N19W19AC	78-07-31	1020	269	7.5	11.0	130	0	31	13	2.9	4	.1	2	160	0	130	6.9	.5	<.1	14	157	1.7	--	--	--	--	10	<10	<10	MBMG	
12N19W20DBDC	78-07-27	1500	254	7.5	10.0	130	7	29	13	3.0	5	.1	2	150	0	120	7.6	.4	<.1	13	143	.68	--	--	--	--	160	<10	10	MBMG	
12N20W12BABC	78-07-27	0950	545	7.0	12.0	210	38	53	19	28	22	.8	3	210	0	180	23	34	.1	33	304	7.0	--	--	--	--	20	10	<10	MBMG	
12N20W12BCDA	78-07-31	1620	325	7.4	13.0	120	0	29	11	21	27	.8	2	150	0	120	41	1.3	.2	24	206	.32	--	--	--	--	520	10	460	MBMG	
12N20W12DAAD	78-07-27	1350	219	7.0	12.5	89	0	20	9.7	8.6	17	.4	2	110	0	92	11	1.6	.2	29	138	1.6	--	--	--	--	<10	10	<10	MBMG	
12N20W13CAAA	78-07-27	1120	212	7.0	11.5	87	0	22	7.8	9.2	18	.4	2	110	0	93	7.8	2.1	.2	20	128	1.7	--	--	--	--	20	<10	<10	MBMG	
12N20W14BCAB	78-07-31	0830	297	7.6	11.0	150	2	37	14	3.1	4	.1	2	180	-	150	6.1	.1	.1	15	168	.45	--	--	--	--	<10	<10	<10	MBMG	
12N20W25ABCC	78-07-31	1130	349	7.8	10.0	170	6	31	21	8.1	9	.3	2	200	0	160	12	1.9	.2	15	193	2.9	--	--	--	--	10	<10	<10	MBMG	
12N20W26CCDD	78-08-01	1220	338	7.6	14.5	170	6	38	18	3.7	4	.1	2	200	0	170	8.7	.8	<.1	14	184	<.02	--	--	--	--	<10	<10	<10	MBMG	
12N20W34BDBD	78-08-01	1030	250	7.8	13.0	120	1	30	12	3.2	5	.1	2	150	0	120	6.1	.8	.1	14	142	<.02	--	--	--	--	30	<10	<10	MBMG	
12N20W35CBAB	78-08-01	1500	131	6.7	10.0	55	0	14	4.9	3.0	10	.2	1	72	0	59	3.6	1.0	<.1	14	77	<.02	--	--	--	--	20	<10	10	MBMG	
13N11W23CCBB	76-08-13	1330	---	7.4	11.5	160	0	51	8.2	33	29	1	11	230	0	190	52	5.3	.5	54	329	--	.43	--	.19	.58	10	--	0	USGS	
13N12W12CAAB	76-08-13	1245	---	7.2	10.5	600	280	180	36	60	18	1	8	390	0	320	360	19	.2	48	902	--	.03	--	.10	.31	150	--	430	USGS	
13N19W19DBDB	78-07-26	0850	355	7.5	12.0	170	31	46	13	6.4	7	.2	2	170	0	140	33	3.2	.2	13	202	1.1	--	--	--	--	<10	<10	<10	MBMG	
13N19W20BDBD	78-07-31	1430	338	7.5	10.0	160	17	43	12	6.1	8	.2	2	170	0	140	28	2.9	.2	13	195	.90	--	--	--	--	20	<10	<10	MBMG	
13N19W30BDA	78-07-25	1320	375	7.6	9.5	180	32	49	14	6.8	7	.2	2	180	0	150	35	4.1	.2	14	219	1.0	--	--	--	--	<10	<10	<10	MBMG	
13N19W30DDAD	78-07-26	1630	377	7.8	10.0	180	24	50	14	7.5	8	.2	2	190	0	160	29	5.6	.1	14	219	2.3	--	--	--	--	<10	<10	<10	MBMG	
13N19W31BDB	78-07-25	1500	364	7.5	9.5	180	32	48	14	7.0	8	.2	2	180	0	150	29	3.8	.2	14	209	1.4	--	--	--	--	<10	<10	<10	MBMG	
13N20W24DADA	78-07-26	1300	409	7.7	13.0	200	44	54	16	6.9	7	.2	2	190	0	160	49	4.4	.2	13	242	.63	--	--	--	--	10	<10	<10	MBMG	
13N20W25AACC	78-07-26	1430	378	7.8	12.5	180	24	50	14	8.1	9	.3	2	190	0	150	34	4.8	.2	14	220	1.4	--	--	--	--	<10	<10	<10	MBMG	
13N20W25BCBB	78-07-26	0950	403	7.7	12.0	190	26	53	15	8.4	8	.3	2	200	0	160	36	5.6	.2	15	232	1.2	--	--	--	--	<10	<10	<10	MBMG	
13N20W25DCDD	78-07-25	1630	371	7.6	12.0	180	32	49	14	6.8	8	.2	2	180	0	150	35	3.6	.2	15	215	1.0	--	--	--	--	<10	<10	<10	MBMG	
13N20W26DDCC	78-07-26	1025	379	7.8	11.0	180	24	49	15	7.0	8	.2	2	190	0	150	35	3.1	.2	14	224	1.0	--	--	--	--	<10	<10	<10	MBMG	
13N20W36BBBB	78-07-26	1115	375	7.7	12.0	180	24	49	15	7.1	8	.2	2	190	0	150	35	5.5	.2	14	219	1.2	--	--	--	--	<10	<10	<10	MBMG	
14N11W33CDAB	76-08-13	1055	---	7.8	9.0	110	0	36	4.3	36	40	2	7	210	0	170	16	1.2	.5	36	243	--	.00	--	.17	.52	1100	--	310	USGS	
14N12W36DCCC	76-08-13	1200	---	7.9	13.0	120	0	37	7.8	11	16	.4	3	170	0	140	11	.5	.5	54	209	--	.00	--	.08	.25	80	--	30	USGS	
14N15W24DDAC	76-08-12	0830	---	7.9	9.0	150	2	41	11	3.8	5	.1	1	180	0	150	7.7	1.1	.1	16	172	--	.54	--	.02	.06	20	--	0	USGS	
15N11W28DBBC	76-08-13	0950	---	8.1	10.0	130	5	28	15	1.0	2	.0	.4	160	0	130	6.6	.2	.1	6.9	135	--	.07	--	.04	.12	20	--	10	USGS	
15N12W33BBAA	76-09-20	1140	---	---	19.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	USGS
15N12W33BBBA	76-08-12	1530	---	7.7	8.0	270	14	70	23	3.6	3	.1	1	310	0	260	9.7	1.8	.1	19	287	--	1.2	--	.02	.06	20	--	0	USGS	
15N12W33BBBA	76-09-20	1030	---	---	14.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	USGS
15N12W33BBBA2	76-09-20	1100	---	---	8.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	USGS
15N12W36BCDD	76-08-13	0855	---	7.4	11.5	360	0	98	28	51	23	1	2	450	0	370	96	6.8	.4	29	532	--	.00	--	.04	.12	1000	--	50	USGS	
15N13W29CDBD	76-08-12	1700	---	7.8	10.0	140	0	30	15	89	58	3	2	360	0	300	35	4.3	1.7	14	371	--	.10	--	.05	.15	10	--	10	USGS	
15N14W09CBBC	76-08-12	1825	---	7.6	8.0	240	14	63	19	6.4	6	.2	.9	270	0	220	16	3.2	.1	15	259	--	.42	--	.04	.12	20	--	0	USGS	
16N15W01BADB	76-08-11	1715	---	7.7	13.0	190	0	59	11	5.7	6	.2	.7	240	0	200	2.0	.9	.1	14	213	--	.09	--	.01	.03	30	--	30	USGS	
16N15W04ABAD	76-08-11	1815	---	6.1	10.0	76	19	18	7.5	4.8	11	.2	7	69	0	57	10	15	.1	36	138	--	1.2	--	.01	.03	1000	--	60	USGS	
16N15W04ABAD	76-09-20	1340	---	---	11.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	USGS
16N15W10BACA	76-09-21	1145	---	---	9.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	USGS
16N15W10BDBD	76-09-21	1130	---	---	15.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	USGS
16N15W10BDCB	76-08-12	0945	---	6.9	10.0	77	0																								