Date of collection	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Silica (SiO_2)	Dissolved solids (sum of constituents)	Nitrate as N	Remarks
01-30-79	0	61	17	.2	17	288	.82	(3)
07-03-79	0	45	15	.1	24	273	1.3	
01-25-79	0	53	24	.1	13	290	1.7	
04-19-79	0	50	20	.1	18	284	1.4	
07-03-79	0	48	15	.1	22	304	1.2	
01-17-79	0	62	3.1	.4	17	197	.36	
04-23-79	0	60	2.5	.3	14	190	.38	
07-06-79	0	36	1.4	.4	17	136	.18	
01-10-79	0	120	15	.3	14	522	.72	(3)
03-14-79	0	96	12	.3	9.3	437	<.02	(3)
04-12-79	0	90	11	.3	7.0	454	.14	
06-20-79	0	110	13	.2	22	652	.26	
01-17-79	0	65	7.2	.3	24	393	1.2	
03-15-79	0	58	7.4	.3	23	372	.85	
04-12-79	0	56	8.0	.3	22	366	1.1	
06-20-79	0	57	7.0	.3	22	367	.65	
01-24-79	0	50	7.6	.4	17	363	.02	(3)
04-12-79	0	53	5.9	.3	20	353	.40	
06-20-79	0	57	5.7	.3	21	392	.91	
01-30-79	0	330	84	.4	24	841	.69	
04-19-79	0	340	120	.3	25	895	1.6	
07-05-79	0	360	160	.3	34	962	1.6	
01-09-79	0	41	3.3	.7	26	228	.69	
03-13-79	0	39	3.3	.6	21	201	.47	
04-12-79	0	40	3.6	.6	22	199	.38	
06-19-79	0	46	4.7	.6	23	214	.82	

Table 3.--Water temperature, specific conductance, and nitrate concentrations for selected domestic wells

[Field determinations]

Sample location	Date of collection	Temperature (°C)	Specific conductance (µmho/cm at 25°C)	Nitrate, dis-solved as N (mg/L)
11N02W30CCB01	06-06-79	9.0	326	0.7
11N02W30DCA01	06-06-79	11.0	817	1.6
11N02W31AAC01	06-06-79	12.5	963	2.6
11N02W31BCC01	06-06-79	10.0	429	.2
11N03W07BCC01	06-05-79	12.0	369	1.0
11N03W17DDD01	06-07-79	9.0	667	7.6
11N03W18ADA01	05-31-79	12.0	339	.2
11N03W18CCB01	06-05-79	12.0	408	1.6
11N03W18DCC01	06-05-79	12.5	438	.3
11N03W18DDD01	05-17-79	12.5	569	.4
11N03W19CCC01	06-05-79	11.0	524	1.2
11N03W19DAA01	05-31-79	13.0	488	.9
11N03W21BBB01	06-08-79	11.5	711	2.0
11N03W21DCC01	06-07-79	10.5	441	1.4
11N03W22BCC01	06-07-79	9.0	383	.6
11N03W29BAC01	05-31-79	14.0	521	1.4
11N03W30ABA01	06-05-79	13.0	552	1.0
11N03W30BCC01	06-05-79	11.0	771	.5
11N03W30DAD01	05-17-79	9.5	582	.4
11N03W30DBC01	06-08-79	9.5	735	1.8
11N03W31AAA01	05-31-79	11.0	591	0.9
11N03W31DCB01	06-08-79	10.0	625	1.6
11N03W31DDA02	05-31-79	11.0	496	.6
11N03W32CAB01	06-05-79	10.5	577	--
11N03W32CDB01	06-08-79	10.5	587	1.4
11N03W32DDD01	05-17-79	12.0	431	2.7
11N03W33DCC01	06-08-79	9.5	501	.1
11N03W34CCD01	05-17-79	12.0	241	.2
11N03W35DBB01	06-06-79	10.0	400	2.0
11N04W11AAD01	05-17-79	12.5	241	.2

Table 3.--Water temperature, specific conductance, and nitrate concentrations for selected domestic wells--Continued

Sample location	Date of collection	Temperature (°C)	Specific conductance (µmho/cm at 25°C)	Nitrate, dissolved as N (mg/L)
11N04W13AAD01	06-05-79	11.5	390	.6
11N04W13BCC01	06-01-79	13.0	581	.2
11N04W13CCC01	05-17-79	10.5	762	.2
11N04W24ABD01	06-08-79	12.0	859	1.0
11N04W24ADA01	06-05-79	11.5	847	1.6
11N04W24CCA01	06-01-79	14.0	638	.4
11N04W24DCC01	06-05-79	12.0	672	.7
11N04W25BDD01	05-17-79	12.5	1220	3.8
11N04W25DDC01	06-05-79	12.5	672	1.6
10N02W06CCC01	05-29-79	13.0	321	1.4
10N02W06DDD01	05-29-79	10.0	698	0.9
10N02W07ABA01	05-29-79	11.0	431	1.8
10N02W18AAD01	05-30-79	14.0	370	.7
10N02W19ABC01	05-30-79	12.0	387	.9
10N02W19BBB01	05-30-79	14.0	343	1.4
10N02W19CCD01	06-07-79	11.0	293	1.2
10N03W02BDA01	06-06-79	11.0	442	1.8
10N03W03CBD01	06-06-79	10.0	367	.9
10N03W05AAA01	05-17-79	11.5	397	.5
10N03W05CCD01	05-14-79	18.0	400	.9
10N03W06AAA01	05-17-79	16.5	471	.3
10N03W06ACD02	06-04-79	12.0	523	.8
10N03W06CBA01	06-04-79	10.0	568	.8
10N03W06DCD01	05-14-79	12.0	441	.9
10N03W07AAA01	05-14-79	10.5	438	.2
10N03W07ABB01	05-14-79	11.5	540	.4
10N03W07ACC01	05-14-79	13.0	490	.3
10N03W07ADB01	05-14-79	12.5	432	.4
10N03W07BAA01	05-14-79	13.5	458	.3
10N03W07DBC01	05-14-79	10.5	404	.2

Table 3.--Water temperature, specific conductance, and nitrate concentrations for selected domestic wells--Continued

Sample location	Date of collection	Temperature (°C)	Specific conductance (µmho/cm at 25°C)	Nitrate, dissolved as N (mg/L)
10N03W07DDD01	05-14-79	14.0	687	0.4
10N03W08ADC01	06-08-79	10.0	571	1.0
10N03W08CAD01	05-11-79	11.5	541	.5
10N03W08CBB01	05-14-79	12.5	458	.6
10N03W08CCC01	05-11-79	11.5	669	.6
10N03W08CCD01	05-17-79	13.5	685	2.3
10N03W08CDC01	05-11-79	15.5	569	.9
10N03W08CDD02	05-11-79	14.0	542	.4
10N03W08DDB01	06-06-79	10.0	729	1.8
10N03W10BBD01	06-06-79	8.0	398	1.0
10N03W10DDC01	05-29-79	12.0	302	.6
10N03W11ABB01	06-06-79	9.5	412	1.6
10N03W11ACC01	05-29-79	12.0	321	.6
10N03W11CCA01	06-08-79	11.0	386	1.0
10N03W11DCD01	06-07-79	11.0	393	1.2
10N03W12ABB01	05-29-79	11.0	247	.8
10N03W12BCD01	06-08-79	10.5	452	2.6
10N03W12CDA01	06-08-79	12.5	352	2.4
10N03W12DDD01	06-07-79	9.5	388	.6
10N03W13BCC01	06-07-79	11.0	304	1.0
10N03W13DCC01	05-30-79	11.0	375	2.0
10N03W15BBD01	05-29-79	10.0	281	.1
10N03W16DCB01	05-24-79	11.0	415	.2
10N03W16DCC01	05-31-79	15.0	391	.3
10N03W18ADB01	05-14-79	15.5	591	.3
10N03W18ADD01	05-14-79	9.5	592	.7
10N03W18BAD01	05-14-79	11.0	682	.5
10N03W23BBB01	05-31-79	10.0	246	.2
10N03W24ADB01	06-07-79	10.5	403	3.0
10N03W24BBB01	05-30-79	11.0	304	1.2

Table 3.--Water temperature, specific conductance, and nitrate concentrations for selected domestic wells--Continued

Sample location	Date of collection	Temperature (°C)	Specific conductance (µmho/cm at 25°C)	Nitrate, dis-solved as N (mg/L)
10N03W24CBC01	06-08-79	--	296	.3
10N04W01AAB01	05-17-79	12.5	359	.2
10N04W01DAB01	08-04-79	12.0	446	1.2
10N04W01DBD01	06-01-79	13.0	504	.8
10N04W12AAB01	05-17-79	12.0	635	.4
10N04W12ABC01	06-04-79	13.0	745	.9
10N04W12DBC01	06-04-79	11.0	608	.4
10N04W13AAC01	05-17-79	9.5	408	.1

Table 4.--Water-quality data for selected supply wells

[Constituents are dissolved and values are reported in milligrams per liter. Analyses by Montana Bureau of Mines and Geology]

Sample location	Date of collection	Well depth (feet)	Laboratory specific conductance (µmho/cm at 25°C)	Laboratory pH	Field temperature (°C)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)
11N03W15DBA01	11-02-78	193	405	8.0	10.0	45	16	17	2
11N03W31DDA01	11-06-78	54	569	7.8	10.0	75	19	19	3
	02-20-79		582	7.5	14.0	76	19	19	4
10N03W05ABA01	11-06-78	42	426	8.0	10.0	57	12	16	3
	02-13-79		436	7.4	15.0	58	13	17	3
10N03W06ACD01	11-06-78	48	502	7.6	14.0	62	16	22	3
	02-13-79		505	7.7	18.5	63	16	26	4
10N03W08BBA01	11-06-78	60	491	7.7	8.5	60	14	21	3
	02-13-79		454	7.4	16.0	58	14	19	3
10N03W08CDD01	11-06-78	52	671	8.0	10.0	79	25	24	4
	02-13-79		672	7.4	14.5	82	26	24	4
10N03W18ACC01	02-13-79	40	586	7.6	17.0	77	22	19	3
10N03W18ADA01	02-13-79	41	755	7.5	14.0	91	33	26	4
10N03W18ADA02	11-06-78	41	781	8.0	8.0	91	32	29	4
	02-20-79		737	7.4	13.5	89	32	28	4
10N03W18BAA01	11-06-78	52	647	7.7	12.0	71	24	34	4
	02-13-79		654	7.4	17.0	70	24	33	4
10N04W12CCB01	04-26-78	106	482	7.5	10.5	68	19	12	3

Date of collection	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Silica (SiO_2)	Dissolved solids, (sum of constituents)	Nitrate as N
11-02-78	196	0	25	21	0.2	20	243	0.84
11-06-78	289	0	56	4.4	.2	21	342	1.0
02-20-79	289	0	62	10	.3	23	357	.96
11-06-78	211	0	45	6.8	.3	21	266	.88
02-13-79	211	0	46	7.7	.3	22	272	.63
11-06-78	238	0	64	9.1	.4	21	316	.50
02-13-o9	238	0	62	11	.4	23	322	.64
11-06-78	210	0	65	13	.2	21	302	1.9
02-13-79	200	0	61	10	.3	23	289	1.4
11-06-78	309	0	57	27	.3	28	400	3.9
02-13-79	305	0	61	28	.3	30	409	3.8
02-13-79	295	0	51	19	.2	22	361	1.1
02-13-79	354	0	85	22	.3	25	464	3.7
11-06-78	365	0	87	21	.2	23	471	4.8
02-20-79	348	0	82	20	.2	24	452	3.5
11-06-78	269	0	90	21	.2	28	409	2.1
02-13-79	266	0	89	25	.6	28	407	1.3
04-26-78	285	0	32	4.2	.2	22	301	.35

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Enclosure(s)

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