

Table 2.--Chemical analyses of ground water in Chisholm-Dewey Lake area, St. Louis County, Minnesota

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[Results in parts per million except as indicated. Analyses by U.S. Geological Survey.]

Location (See fig. 9)	Aquifer	Well depth (feet)	Date of collection	Tem- pera- ture (F)	Silica (SiO ₂)	Total iron (Fe)	Man- gan- ese (Mn)	Cal- cium (Ca)	Mag- nesium (Mg)	Sodium (Na)	Potas- sium (K)	Bicar- bonate (HCO ₃)	Car- bonate (CO ₃)	Sulfate SO ₄	Chloride Cl	Fluo- ride F	Nitrate (NO ₃)	Boron (B)	Dissolved solids		Hardness as CaCO ₃		Per- cent ma- gnesium	Specific conduct- ance (micro- mhos at 25°C)	Color	Tur- bidity
																			Leaching on evaporation at 100°C	Calcium magnesium	Noncar- bonate					
58.20.1bcb1	Drift	19	9-29-54	46	11	0.04	0.00	35	15	21	9.0	80	0	32	51	0.3	43	0.06	298	150	84	22	440	6.6	----	----
58.20.6ccc2	do.	16	10-14-54	45	16	3.2	.01	25	7.4	3.6	1.8	112	0	5.0	3.5	.1	.3	.02	127	93	1	8	198	6.7	----	----
58.20.10bdd1	do.	42	9-29-54	44	15	3.1	.00	39	13	8.9	3.2	181	0	14	8.0	.2	2.3	.04	203	153	5	11	330	6.9	----	----
58.20.16dbcl	do.	38	10-5-54	43	18	5.1	.29	51	16	5.0	3.2	211	0	25	1.0	.1	1.4	.44	263	193	20	5	378	6.9	150	1
58.20.17dda1	do.	29	9-10-59	45	26	3.6	.47	51	14	9.3	1.7	231	0	8.3	.1	.3	.2	.03	237	184	0	10	379	6.8	7	----
59.20.10cdc2	do.	17	10-14-54	44	12	1.0	.01	14	4.4	5.8	7.3	66	0	9.0	4.5	.3	2.9	.04	108	53	0	17	152	6.4	----	----
59.20.20dda1	Granite	276	9-28-54	44	16	.04	.00	32	6.1	30	1.6	179	0	4.0	3.5	4.8	.2	.53	193	105	0	38	320	8.1	----	----
59.20.21ccb1	Drift	27	9-28-54	45	18	.14	.00	25	7.2	8.6	2.5	115	0	6.0	5.5	.3	1.9	.05	142	92	0	16	216	6.8	----	----
59.20.29dde1	do.	19	10-14-54	44	20	1.3	.00	45	16	23	2.8	129	0	18	59	.1	28	.04	309	180	74	21	486	6.7	----	----
59.20.33acb1	Granite	32	9-27-54	44	15	.22	.00	23	6.0	9.9	1.8	85	0	15	10	.1	6.1	.04	135	82	12	20	214	6.5	----	----
59.20.34dad1	Drift	41	9-29-54	44	23	10	.25	20	5.8	5.1	2.2	100	0	1.0	1.5	.1	1.9	.08	133	74	0	13	162	6.8	----	----
59.21.24dbd1	do.	50	10-12-54	44	24	14	.19	17	6.4	4.3	2.6	95	0	1.0	1.5	.3	1.4	.07	131	69	0	12	151	6.5	----	----
59.21.35cba1	Granite	110	10-11-54	--	21	.18	.00	58	27	14	1.8	215	0	38	39	.1	17	.04	360	256	30	11	551	7.3	----	----

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