Table 14.--Chemical Analyses of Ground Water--Continued

(Concentration in milligrams per liter)

Well number	Map number	Altitude above mean sea level (feet)	Collected: Date	Collected: Depth of well below land surface (feet)	Stratigraphic unit	Depth to water below land surface (feet)	Temperature (°C)	Silica (SiO_2)	Aluminum (Al)	Iron (total)	Iron (ferrous)	Manganese (Mn)	Nickel (Ni)	Copper (Cu)	Zinc (Zn)	Calcium (Ca)	Magnesium (Mg)	Strontium (Sr)	Sodium (Na)	Potassium (K)	Acidity as H_2SO_4	Alkalinity as HCO_3	Sulfate (SO_4)	Calcium-magnesium hardness	Specific conductance (micromhos)	pH (lab) 1/	Total carbon	Remarks
LUZERNE COUNTY--Continued																												
410914N760556-1	Priscilla Lee Shaft	873.8	3/2/66	160	Pl	31	10	11	1.6	76	65	8.8	--	--	0.28	44	44	--	0.8	1.6	180	--	444	291	745	5.8	--	
	do.	873.8	3/3/66	280	do.	31	11	9.8	--	210	180	12	--	--	.48	52	51	--	--	--	--	--	660	340	1,150	4.6	--	
	do.	873.8	3/3/66	360	do.	31	12	--	--	1,680	--	102	--	--	.40	410	340	--	7.3	15	2,790	--	5,400	2,420	6,140	3.2	--	Cl = 16; NO_3 = 0.0; F = 0.8
	do.	873.8	9/23/66	230	LR	37	10	--	.0	131	111	10	--	--	--	34	44	--	--	--	--	--	500	266	850	6.11	--	
	do.	873.8	9/23/66	305	Pl	37	11	--	.1	361	342	22	--	--	--	37	80	--	--	--	--	--	1,150	422	1,750	5.78	--	
	do.	873.8	9/23/66	315	do.	37	12	--	.0	490	462	40	--	--	--	--	--	--	--	--	--	--	2,110	--	2,650	5.80	--	
	do.	873.8	9/23/66	325	URA	37	12	--	--	759	704	58	--	--	--	--	--	--	--	--	--	--	3,000	--	3,540	6.25	--	
	do.	873.8	9/27/66	39	Pl	37	11	11	.2	14	6.3	5.0	--	--	--	64	40	--	4.0	4.2	0	3/34	304	324	620	5.98	--	Eh = +.435 volts, slightly rusty appearance.
	do.	873.8	9/27/66	260	do.	37	10	3.3	--	159	148	11	--	--	--	42	47	--	1.7	2.4	194	--	502	298	915	6.03	--	NO_3 = 1.1; Slight odor of H_2S; clear.
	do.	873.8	9/28/66	270	do.	37	10	1.6	--	175	168	12	--	--	--	40	48	--	--	--	243	--	555	298	990	5.90	--	Clear and musty odor.
	do.	873.8	9/28/66	280	do.	37	10	1.4	.1	179	172	12	0.24	0.01	.30	40	49	0.19	--	--	255	--	582	302	1,010	5.90	--	Clear.
	do.	873.8	9/28/66	290	do.	37	10	2.5	.1	192	184	13	.24	--	.30	42	56	.19	--	--	257	--	590	336	1,100	5.92	31	Non-volatile organic C = 11, clear; slight odor of H_2S.
	do.	873.8	9/28/66	298	do.	37	11	3.3	.0	304	292	19	--	--	--	40	74	--	--	--	479	--	1,020	404	1,570	5.79	--	Clear; moderate odor of H_2S.
	do.	873.8	9/28/66	310	do.	37	11	11	.1	441	423	35	.33	.01	.44	40	110	.63	3.4	4.2	706	--	1,540	552	2,190	5.77	37	Non-volatile organic C = 6.6. Strong odor of H_2S; clear; NO_3 = 2.4
	do.	873.8	9/28/66	320	URA	37	11	.5	.1	606	586	44	--	--	--	256	158	--	--	--	980	--	2,270	1,290	3,920	5.85	--	Very strong odor of H_2S; clear.
	do.	873.8	9/28/66	330	URA	37	11	.0	.2	912	843	66	.13	.03	.68	348	295	1.2	5.2	6.0	1,380	--	3,530	2,080	4,150	6.59	45	Non-volative organic C = 7.6; effervescent-foamy; petroleum odor, green color, oxidized rapidl
	do.	873.8	9/28/66	340	Pl	37	11	.2	1.6	1,520	1,450	84	--	--	--	334	330	--	--	--	2,370	--	4,780	2,190	5,000	6.30	--	Petroleum odor; clear.
	do.	873.8	9/27/66	350	Pl - LRA	37	11	1.2	--	1,590	1,510	96	--	--	--	334	350	--	7.0	13	2,270	--	5,160	2,270	5,100	6.11	52	Non-volatile organic C = 7.2. Slight petroleum odor; clear; Eh = +.003 volts.