

## APPENDIX II

### RESIDENTIAL WELL WATER SAMPLE MAP

This map indicates legislative and township roads along with the known drainage outlets. Plotted on the map are the locations of residential well water samples and samples taken from small tributary streams.

### RESIDENTIAL WELL WATER SAMPLE ANALYSIS SHEETS

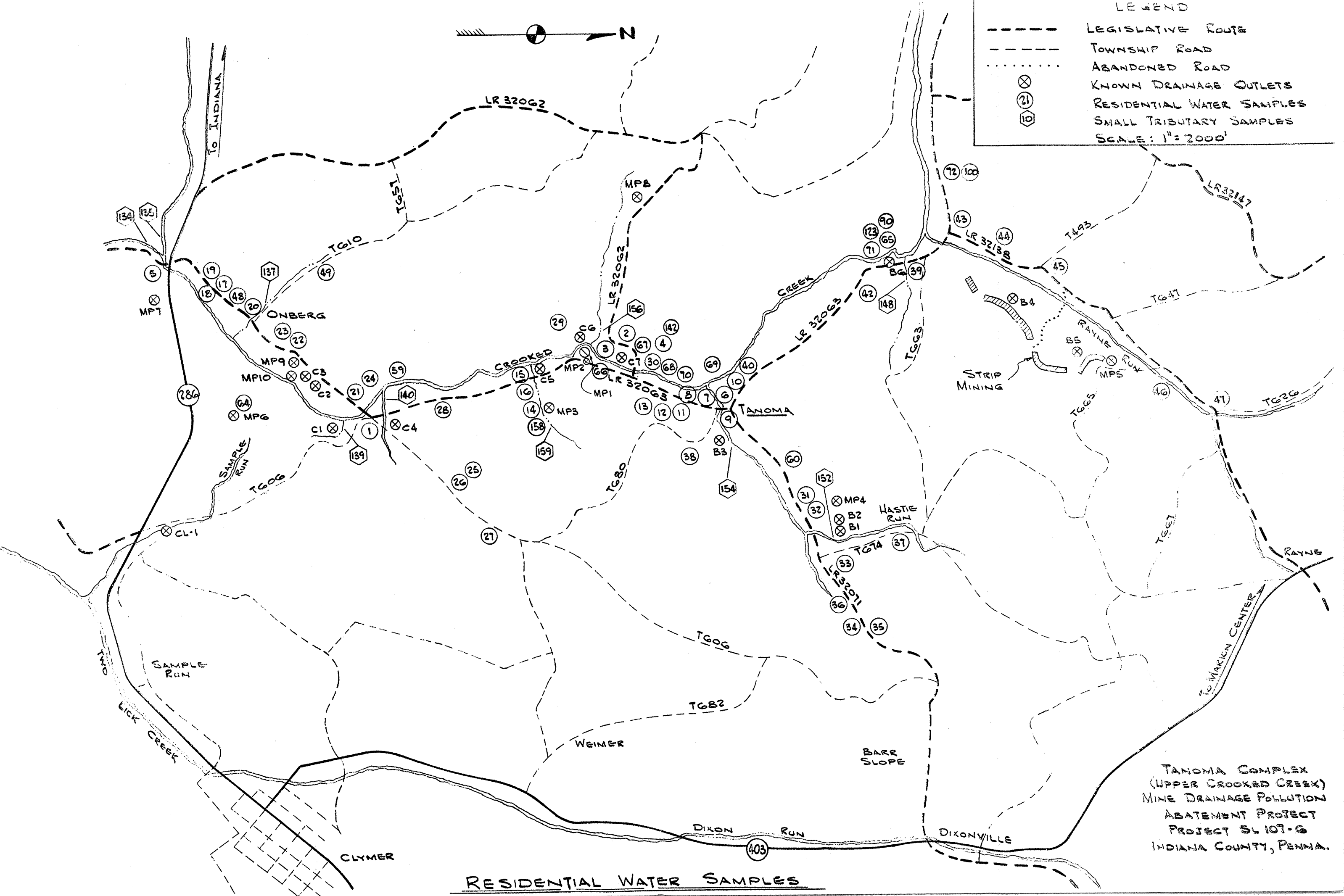
These sheets indicate the laboratory analysis results of the well samples. The data includes pH, acidity, alkalinity, iron, ferrous and sulfate expressed in milligrams per liter. The results of Coliform Analysis collected on May 8, 1972, from twenty wells are also tabulated on these sheets. Samples taken from small tributaries and random locations are included in this Appendix.



LEGEND

- LEGISLATIVE ROUTE
- - - TOWNSHIP ROAD
- ..... ABANDONED ROAD
- ⊗ KNOWN DRAINAGE OUTLETS
- ⊙(21) RESIDENTIAL WATER SAMPLES
- ⊙(10) SMALL TRIBUTARY SAMPLES

SCALE: 1" = 2000'



TANOMA COMPLEX  
 (UPPER CROOKED CREEK)  
 MINE DRAINAGE POLLUTION  
 ABATEMENT PROJECT  
 PROJECT SL 107-G  
 INDIANA COUNTY, PENNA.

RESIDENTIAL WATER SAMPLES

## RESIDENTIAL WELL SAMPLE ANALYSIS SHEET

Coliform: Positive - Unsafe for Human Consumption  
Negative - Safe for Human Consumption

Sample Number	Date Of Sample	Name (See Residential Water Sample Map For Location)	Source Of Water	Surface Elev.	Bottom Of Well Elev.	"D" Seam Elev.	Remarks * Coal Removed ** Coal Not Removed	Laboratory Results						Coliform
								Ph	Acidity MG/L	Alkalinity MG/L	Iron Total MG/L	Ferrous MG/L	Sulfate MG/L	
1	6-11-72	Brown, Nida	Well 60'	EL. 1175	EL. 1110	EL. 1115	*	7.2		80	0.55	0	40	Pos
2	6-11-72	Custer, Homer	Well 22'	EL. 1155	EL. 1133	EL. 1030	*	6.3		24	0.77	0	28	Pos
3	6-11-72	Yoder, William	Well 10'	EL. 1135	EL. 1123	EL. 1030	*	7.2		90	1.55	0	52	
4	6-11-72	Krytusa, Walter	Well	EL. 1180		EL. 1030	*	7.7		94	3.2	0	144	
6	6-15-72	Ruffner, George	Spring	EL. 1155			**	7.6		92	0.4	0	70	
7	6-15-72	Ruffner, George	Well 30'	EL. 1133	EL. 1103		**	6.9		156	0.67	0	190	
8	6-15-72	Ruffner, Richard	Well	EL. 1133			**	6.6		54	0.9	0	105	
9	6-15-72	Rethi, Francis	Well	EL. 1135			**	7.3		96	1.65	0	185	Pos
10	6-15-72	Weiss, C. Orin	Well 35'	EL. 1140	EL. 1105		**	7.2		96	1.0	0	220	Neg
11	6-15-72	Rethi, Lynn	Well 90'	EL. 1140	EL. 1050		**	7.1		54	1.8	0	200	Pos
12	6-15-72	Bothell, Richard	Well 38'	EL. 1140	EL. 1102		**	7.6		66	0.67	0	130	Neg
13	6-15-72	Henry, Raymond	Spring	EL. 1140			**	7.1		62	1.85	0	144	Pos
14	6-15-72	Yackuboskey, John	Spring	EL. 1180		EL. 1045	*	7.7		96	0.6	0	80	
15	6-15-72	Yuhasz, Joseph Sr.	Spring	EL. 1155		EL. 1035	*	7.8		74	.04	0	38	
16	6-15-72	Yuhasz, Joseph Jr.	Well 60'	EL. 1160	EL. 1100	EL. 1040	*	7.4		96	1.8	0	24	
17	6-15-72	Deabenderfer, Marvel	Well 127'	EL. 1200	EL. 1073	EL. 1110	*	7.5		96	1.4	0	52	Neg
18	6-15-72	Isenberg, Ronald	Well 80'	EL. 1200	EL. 1120	EL. 1110	*	7.6		84	1.2	0	40	Pos
19	6-15-72	Isenberg, Norman	Well 80'	EL. 1200	EL. 1120	EL. 1110	*	7.3		90	0.35	0	52	Pos
20	6-15-72	Gray, Joseph	Well	EL. 1180		EL. 1110	*	7.7		94	0.55	0	60	
21	6-15-72	Kemp, Samuel	Well 28'	EL. 1160	EL. 1132		**	6.7		50	1.05	0	22	
22	7-1-72	Yackuboskey, Stanley	Well 65'	EL. 1180	EL. 1115	EL. 1110	*	6.2		120	22.5	0	220	Neg
23	7-1-72	Yackuboskey, Steve	Well 110'	EL. 1180	EL. 1070	EL. 1110	*	7.7		156	0.67	0	16	Pos
24	7-1-72	Woods, William	Well	EL. 1170			**	7.3		164	0.55	0	105	
25	7-1-72	Bush, Samuel	Well 182'	EL. 1230	EL. 1048	EL. 1133	*	7.5		96	1.7	0	320	Neg
26	7-1-72	Bush, Samuel	Spring	EL. 1230		EL. 1133	*	7.3		88	0.6	0	40	

## RESIDENTIAL WELL SAMPLE ANALYSIS SHEET

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Sample Number	Date Of Sample	Name (See Residential Water Sample Map For Location)	Source Of Water	Surface Elev.	Bottom Of Well Elev.	"D" Seam Elev.	Remarks * Coal Removed ** Coal Not Removed	Laboratory Results						Coliform
								Ph	Acidity MG/L	Alkalinity MG/L	Iron Total MG/L	Ferrous MG/L	Sulfate MG/L	
27	7-1-71	Wissinger, Mable	Spring	EL. 1260			**	7.3		92	0.45	0	42	
28	7-1-71	Dearbenderfer, Blaine	Well 75'	EL. 1180	EL. 1105	EL. 1055	*	6.6		96	0.35	0	40	
29	7-1-71	Kelly, Ira	Spring	EL. 1140		EL. 1040	*	7.2		96	0.3	0	44	
30	7-1-71	Spring (Residents)	Spring	EL. 1120			**	6.9		20	0.4	0	32	Neg
31	7-1-71	Plavi, Joseph	Well 25'	EL. 1180	EL. 1155		**	6.5		122	0.1	0	28	
32	7-1-71	Burnheimer, Fred	Well	EL. 1190			**	7.4		94	0.55	0	22	
33	7-1-71	Lightcap, Leroy	Well 50'	EL. 1210	EL. 1160	EL. 1175	*	7.3		88	0.67	0	155	Neg
34	7-1-71	Greene, Clyde	Spring	EL. 1240			**	6.8		54	0.4	0	44	
35	7-1-71	Rethi, Ronald	Well 100'	EL. 1300	EL. 1200		**	6.9		84	0.6	0	24	
36	7-1-71	Rethi, Edward	Well 54'	EL. 1220	EL. 1166		**	7.3		94	0.3	0	28	
37	7-1-71	Fornash, Pauline	Well	EL. 1240			**	6.4		94	0.1	0	260	
38	7-1-71	Heberling, Paul	Well	EL. 1200		EL. 1085	*	7.3		88	0.1	0	180	Pos
39	7-1-71	Martin, Murray	Well 60'	EL. 1125	EL. 1065		**	7.4		164	0	0	230	
40	7-7-71	Weiss, James	Well 67'	EL. 1130	EL. 1063		**	6.6		96	0.1	0	190	Neg
42	7-7-71	Mears, William	Spring	EL. 1140			**	6.5		40	0	0	28	
43	7-9-71	Mears, Charles	Well 28'	EL. 1130	EL. 1102		**	6.5		40	0.1	0	95	
44	7-9-71	Barr, Elzie	Well	EL. 1140			**	6.0		34	0.1	0	195	
45	7-9-71	Tucker, Edward	Spring	EL. 1140			**	6.6		86	0	0	310	
46	7-9-71	Palmer, Bain	Well	EL. 1140			**	7.0	0	144	0.5		30	
47	7-9-71	Ferguson, Donald	Well	EL. 1160			**	6.5	0	20	0.1		38	
48	7-28-71	Houlik, R. Karl	Well 98'	EL. 1180	EL. 1082	EL. 1110	*	7.5	0	240	0.1		30	Neg
49	7-28-71	Nibert, Richard	Well 55'	EL. 1300	EL. 1245	EL. 1040	*	7.0	0	96	0.3		44	
59	9-3-71	Pastiga, R.	Well 148'	EL. 1160	EL. 1012	EL. 1100	*	7.2		264	1.0	0	420	Neg
60	9-3-71	Kuntz, Earl	Well 84'	EL. 1180	EL. 1096		**	7.4		90	0.1	0	48	
158	4-19-72	Yackuboskey, John	Well 70'	EL. 1180	EL. 1110	EL. 1045	*	7.1	18	85	.27	.10	47	Neg

## RANDOM SAMPLE ANALYSIS SHEET

Sample Number	Date Of Sample	Name or Location (See Residential Water Sample Map for Location)	Laboratory Results					
			Ph	Acidity MG/L	Alkalinity MG/L	Iron Total MG/L	Ferrous MG/L	Sulfate MG/L
5	6-15-71	Upstream of Station No. 1	7.5		58	0.45	0	80
41	7-7-71	Borehole B6	7.1		40	0.1	0	280
50	7-28-71	Bridge At Antique Shop	7.2	0	64	0.1		30
51	7-28-71	Borehole MP 1	7.6	0	110	1.0		50
52	7-28-71	Borehole C 7	6.4	0	150	20.0		600
53	7-28-71	Bridge at Rt. 119	7.7	0	116	0.1		310
54	7-28-71	Borehole MP 3	6.9	0	44	0.7		70
55	9-3-71	Station No. 1	7.3		94	1.1	0	145
56	9-3-71	Above Antique Shop	7.5		70	0.5	0	145
57	9-3-71	Station No. 2	7.4		90	0.3	0	160
58	9-3-71	Borehole B 2	6.7		214	1.0	0	195
61	9-8-71	Station No. 10	7.7		76	0.1	0	190
62	9-8-71	Borehole B6	6.5		168	0.1	0	270
63	9-8-71	Borehole C7	6.3		142	15.4	0	925
64	9-22-71	Borehole MP 6	4.4	274		205	154	1350
65	9-29-71	Borehole B 6	6.4		148	1.9	0.1	340
66	10-4-71	Crooked Creek Above C 7	6.8		44	0.4	0	105
67	10-4-71	Borehole C 7	6.1		300	13.4	7.0	640
68	10-4-71	Crooked Creek Below C 7	6.3		142	20.0	1.4	875
69	10-4-71	Swamp Behind Tanoma	7.2		158	1.7	0.1	28
70	10-4-71	Crooked Creek at Bothell Bridge	6.6		146	15.4	1.6	550
71	10-4-71	Crooked Creek Above B 6	7.3		140	4.5	0.1	540
72	10-4-71	Pipe at Copper Valley Silo	6.0		84	15.4	6.0	290
90	12-8-71	6" Pipe at Borehole B 6	6.7		160	.2	0	310
100	1-18-72	Pipe at Copper Valley Silo	6.3		120	20	2	400
123	3-17-72	6" Pipe at Borehole B 6	6.7	18	29	.24	.18	205
134	4-19-72	Tributary Above Station No. 1	5.5	8.0	7.0	.24	.10	112
135	4-19-72	Crooked Creek Above Station No. 1	7.0	8.0	15	.16	.03	31
137	4-19-72	Stream at Onberg	5.6	12	11	.33	.10	29
139	4-19-72	Stream Near Station No. 2	5.1	16	4.0	1.03	.10	28
140	4-14-72	Stream at Borehole C 4	7.2	9.0	24	.24	.03	36
142	4-19-72	Spring (Residents)	7.1	29	133	.23	.06	32
148	4-19-72	Stream Near Borehole B 6	7.2	8.0	21	.52	.10	29
152	4-19-72	Hastie Run at Borehole B 1 and B 2	7.1	11	19	.33	.12	27
154	4-19-72	Hastie Run Above Borehole B 3	7.3	8.0	22	.39	.12	1230
156	4-19-72	Stream Near Borehole C 6	7.3	9.0	31	.19	.12	34
159	4-19-72	Stream Near Borehole MP 3	6.1	10	29	.27	.12	47