

SAMPLE NO.	SOURCE	DATE SAMPLED	FLOW (gpm)	FIELD pH	ELEVATION
* 1	Unnamed trib. to Glenwhite Run	06/16/80	100	3.5	2040
* 3	Unnamed trib. to Glenwhite Run	06/16/80	75	3.3	2140
* 4	Spring	06/16/80	30	4.2	2150
* 6	Seep	06/16/80	30	4.75	2065
* 7	Deep Mine Discharge-Glenwhite Slope	06/16/80	5	4.5	2075
* 8	Unnamed trib. to Glenwhite Run	06/16/80	---	6.8	2027
* 9	Unnamed trib. to Glenwhite Run	06/16/80	---	<4.0	2050
* 10	Unnamed trib. to Glenwhite Run	06/16/80	---	5.8	2020
* 11	Glenwhite Run	06/16/80	---	7.5	1865
* 12	Unnamed trib. to Glenwhite Run	06/16/80	---	<4.0	1865
* 13	Glenwhite Run	06/16/80	---	<4.0	1850
* 14	Unnamed trib. to Glenwhite Run	06/16/80	150	4.5	1850
* 15	Glenwhite Run	06/16/80	---	<4.0	1757
* 16	Unnamed trib. to Glenwhite Run	06/16/80	200	4.0	1760
* 17	Glenwhite Run	06/16/80	---	4.0	1755
* 18	Glenwhite Run	06/16/80	---	5.0	1675
* 20	Seep	06/16/80	10	4.0	2125
* 21	Strip Mine Discharge	06/16/80	35	4.0	2135
* 22	Deep Mine Discharge-Loudon Mine	06/16/80	---	4.0	2132
* 24	Springs	06/17/80	40	6.0	2130
* 25	Deep Mine Discharge-Orig. Horseshoe Mine	06/17/80	150	<4.0	2120
* 26	Seep	06/17/80	10	2.8	2140
* 27	Seep	06/17/80	---	<4.0	2120
* 28	Seep	06/17/80	---	<4.0	2120
* 29	Deep Mine Discharge-Loudon Mine	06/17/80	250	2.6	2140
* 30	Kittanning Run	06/17/80	---	4.0	2185
* 31	Pond in Strip Pit	06/17/80	75	3.8	2150
* 32	Kittanning Run	06/17/80	200	7.5	2235
* 33	Unnamed trib. to Kittanning Run	06/17/80	100	7.5	2220
* 34	Kittanning Run	06/17/80	250	7.5	2210
* 35	Stream	06/17/80	20	6.0	2170
* 36	Seep	06/17/80	10	<4.0	2155
* 37	Seep	06/17/80	5	<4.0	2140
* 38	Seep	06/17/80	10	<4.0	2160
* 39	Strip Mine Discharge	06/17/80	30	<4.0	2145
* 40	Stream	06/17/80	5	4.0	2150
* 41	Strip Mine Discharge	06/17/80	75	<4.0	2275
* 42	Unnamed trib. to Kittanning Run	06/17/80	---	<4.0	2045
* 43	Kittanning Run	06/17/80	---	<4.0	2040
* 44	Kittanning Run	06/17/80	---	<4.0	2035
* 45	Mine Discharge	06/17/80	30	<4.0	2140
* 51	Unnamed trib. to Kittanning Run	06/19/80	20	6.9	1825
* 52	Kittanning Run	06/19/80	20	<4.0	1800
* 53	Unnamed trib. to Kittanning Run	06/19/80	20	6.5	1850
* 54	Kittanning Run	06/19/80	---	<4.0	1785
* 60	Seep to Kittanning Run	06/24/80	20	4.2	2110
* 61	Seep from Spoil	06/24/80	5	4.0	2130
* 62	Stream	06/24/80	80	4.2	2087
* 63	Kittanning Run	06/24/80	---	4.2	2080
* 64	Seep	06/24/80	5	4.0	2120
* 65	Deep Mine Discharge-Page Mine	06/24/80	75	4.0	2130
* 66	Kittanning Run	06/24/80	---	4.0	2107
* 86	Seep	07/09/80	1	<4.0	2120
* 88	J. Pleva Well	09/15/80	---	6.4	2500
* 89	E. McMillen Spring	09/15/80	---	6.0	2275
* 90	S. Senesky Well	09/15/80	---	6.5	2290
* 93	Deep Mine Discharge-Unknown Mine	09/15/80	100	<4.0	1950
* 94	Deep Mine Discharge-Jones Mine	09/15/80	20	4.0	1970
* 96	Deep Mine Discharge-Unknown Mine	12/23/80	5	4.0	2030
* 97	Seep	12/23/80	---	5.0	2090
* 98	Deep Mine Discharge-Kohinoor Mine	12/23/80	10	4.0	2100
* 99	Kittanning Run	12/23/80	---	4.0	1650
* 100	Kittanning Run	12/23/80	30	7.0	2270
* 101	Unnamed trib. to Glenwhite Run	12/23/80	10	5.0	2170
* 102	Unnamed trib. to Glenwhite Run	05/11/81	200	4.0	1940
* 103	Unnamed trib. to Glenwhite Run	10/14/81	5	4.5	2040
* 104	Deep Mine Discharge-New Horseshoe Mine	08/13/81	20	<4.0	2210

* Proposed Monitoring Point



LEGEND	
[Symbol]	Dwellings
[Symbol]	Other Buildings
[Symbol]	Abandoned Dwellings
[Symbol]	Gas Wells
[Symbol]	Groundwater Flow
[Symbol]	Dumped Riprap Energy Dissipator
[Symbol]	Sampling Point
[Symbol]	Monitoring Point
[Symbol]	Drill Holes
[Symbol]	Slope Measurements
[Symbol]	Intermittent Stream
[Symbol]	Ephemeral Stream
[Symbol]	Deep Mine Opening
[Symbol]	Deep Mine Shaft
[Symbol]	Deep Mine Limits
[Symbol]	Coal Outcrop
[Symbol]	Property Line
[Symbol]	Mine Reference
[Symbol]	Strip Mined Area
[Symbol]	Prime Farmland Soils
[Symbol]	Sedimentation Pond
[Symbol]	Treatment Facilities

OVERBURDEN ANALYSIS HOLES
 930 AC-PROPOSED PERMIT AREA

EXHIBIT V REV. 10-23-81

COONEY BROTHERS COAL COMPANY
 BITUMINOUS COAL STRIPPING OPERATION
 SITUATE
 LOGAN TWP, BLAIR CO., PA.

SCALE: 1"=400'
 GWIN, DOBSON & FOREMAN, INC.
 CONSULTING ENGINEERS
 ALTOONA, PENNSYLVANIA

DATE: 1-15-81