

Sub-watershed 10R (Un-named)

General Discussion

This sub-watershed encompasses 0.38 square miles of 245.11 acres of land area, approximately 0.59% of the total study area. This basin is drained by 1.66 miles of tributaries (0.62% of the total length of watershed tributaries) and contains no lakes or ponds. State records indicate no surface mining activity and only 1 deep mine in the area. Our field surveys found the 1 deep mine and its only opening, which was not flowing. No surface mines were found.

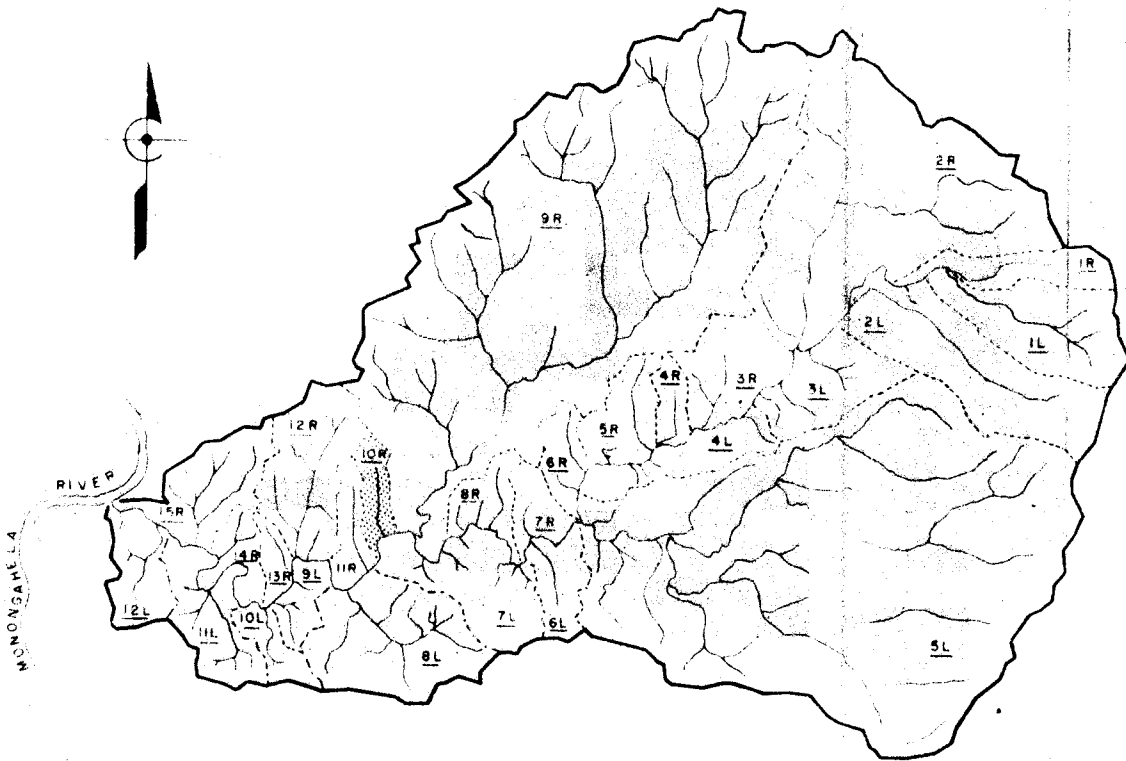
The following information gives the averages of the sampling station designated as GC10R1, un-named, which is shown on Drawing 7316-7. The percentages of pollution load and flow that this sub-watershed contributes to Monitoring Station GC8 near the mouth of Georges Creek are also given.

	<u>Averages</u>		<u>Percent of Total Watershed</u>
PH	7.2		
Net Hot Acidity	0	PPD	0 %
Ferrous Iron	1	PPD	3.12%
Total Iron	1	PPD	0 %
Sulfate	67	PPD	0.10%
Flow	139,680	GPD	0.24%





TABLE 89
 TRIBUTARY AVERAGE WATER QUALITY DATA
 Sub-watershed
 10R

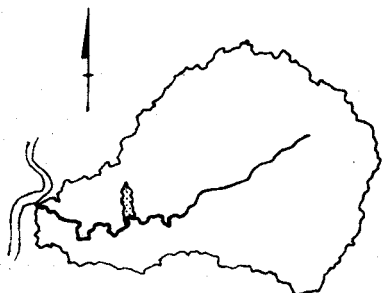
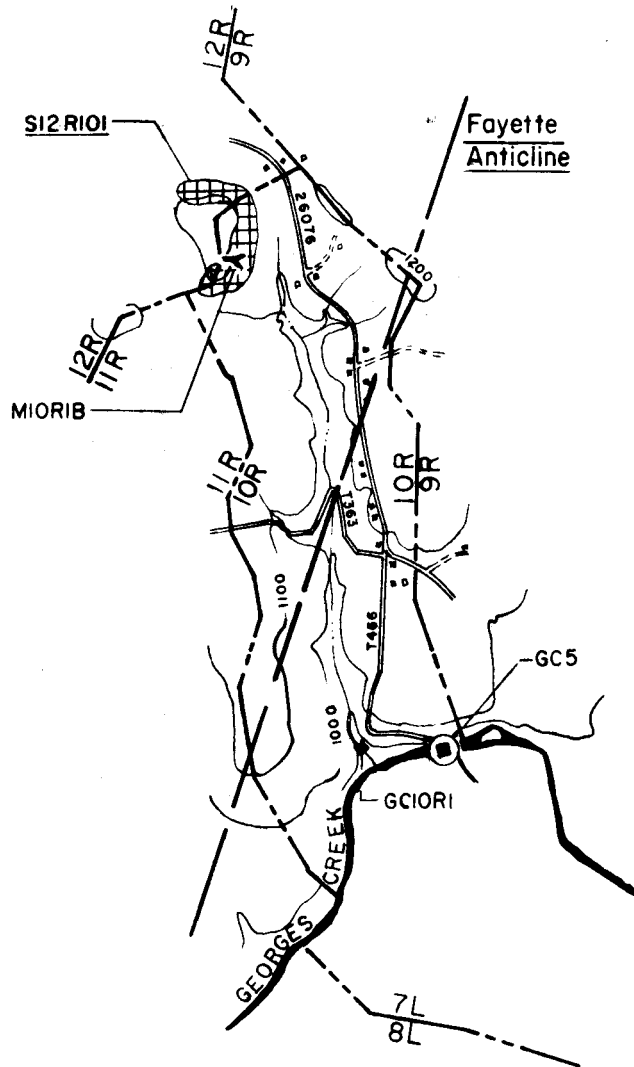
Station	pH	Hot Acid		Alkalinity		Net Hot Acid		Ferrous Iron		Iron as Fe		Sulfate		Flow	
		PPM	#/Day	PPM	#/Day	PPM	#/Day	PPM	#/Day	PPM	#/Day	PPM	#/Day	GPM	G.P.D.
10R1	7.2	0	0	88.67	102.70	0	0	.07	.01	.12	.10	57.0	66.39	97	139,680

Location Plan



LEGEND FOR THE FOLLOWING PLATES

- Y DEEP MINE OPENING (M9R59A)
- ▲ DEEP MINE PIPE (SAMPLE STATIONS - MP5L2A, or BH9R2)
- M WEIR (TRIBUTARY SAMPLE STATION - GC7L1)
- CROSS-SECTION (TRIBUTARY SAMPLE STATION - GC9R1)
- ⊙ GEORGES CREEK CROSS-SECTION (SAMPLE STATION - GC5)
-  STRIP MINE (ABANDONED-UNRECLAIMED - S11L102)
-  STRIP MINE (ACTIVE - S4R107)
-  STRIP MINE (ABANDONED-RECLAIMED - S7L106)
-  GOB PILE (G9R301)
- A,B,C UNDERLINED SUFFIX INDICATES FLOWING DEEP MINE SAMPLE STATIONS - M9R74A,B,C
- S7L101 UNDERLINE - INDICATES FLOWING STRIP MINE, GOB PILE, OR BORE HOLE SAMPLE STATION



KEY PLAN

**MAP OF
SUB-WATERSHED IOR**
(UN-NAMED)
SCALE: 1" = 2000'

Deep Mines

The Commonwealth records indicate that there is one deep mine in this sub-watershed. Our field investigations located one deep mine with one opening, which was not flowing. Table 90 lists the abandoned deep mines within the sub-watershed with the following information: mine number, name of mine or operator if known, strip mine connection, available mine maps, permit numbers, acres and seam mined, mine opening designation, openings with flows, and estimated elevation of the openings.

TABLE 90
 ABANDONED DEEP MINES
 Sub-watershed
 10R

Mine Number	Name of Mine or Operator	Strip Mine Connection	Mine Map Obtained	Area Mined (Acres)	Seam Mined	Mine Opening No.	Elev. of Opening	Flow	Permit Number
ML0R1	Byrne Gas* Coal Co.	S12R101	WPA	-	PGH*	ML0R1B	1200'	No	-

* Assumed