

Sub-watershed 3R (Un-named)

General Discussion

This sub-watershed encompasses 1.24 square miles or 794.99 acres of land area, approximately 1.92% of the total study area. This basin is drained by 4.55 miles of tributaries (1.96% of the total length of all watershed tributaries) and contains 4.13 acres of lakes and ponds (.52% of the total sub-watershed land area). State records show 1 surface mine and no deep mines. Our field investigations found 3 surface mines, none flowing, and no deep mines.

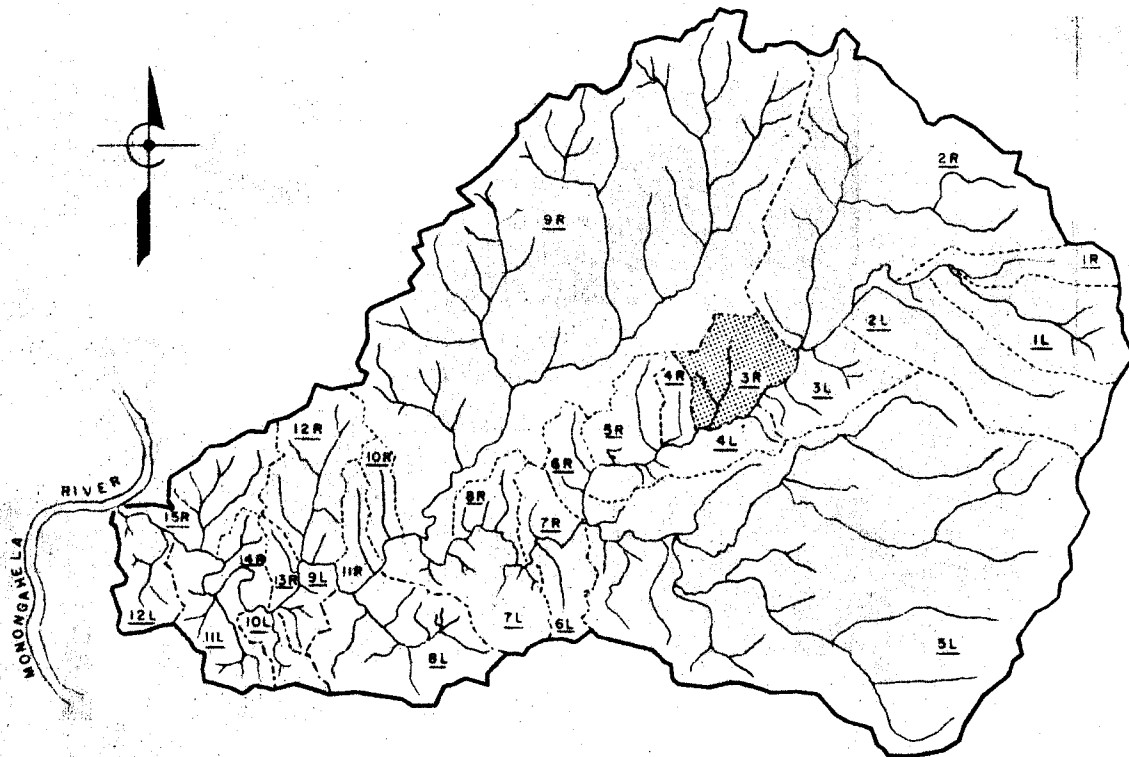
The following information gives the combined averages of the sampling stations designated as GC3R2 and GC3R5, both un-named. The are shown on Drawing 7316-7, and their individual averages are shown on Table 33. In the case where more than one tributary contributes to a sub-watershed, the values have been combined. The percentages of pollution load and flow that this sub-watershed contributes to Monitoring Station GC8 near the mouth of Georges Creek are also shown.

	<u>Averages</u>		<u>Percent of Total Watershed</u>	
pH	6.6			
Net Hot Acidity	0	PPD	0	%
Ferrous Iron	0	PPD	0	%
Total Iron	8	PPD	.28%	
Sulfate	610	PPD	.89%	
Flow	1,648,800	GPO	2.78%	

TABLE 33
 TRIBUTARY AVERAGE WATER QUALITY DATA
 Sub-watershed
 3R

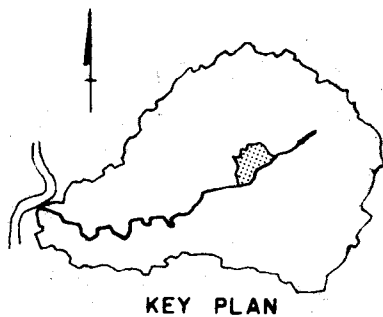
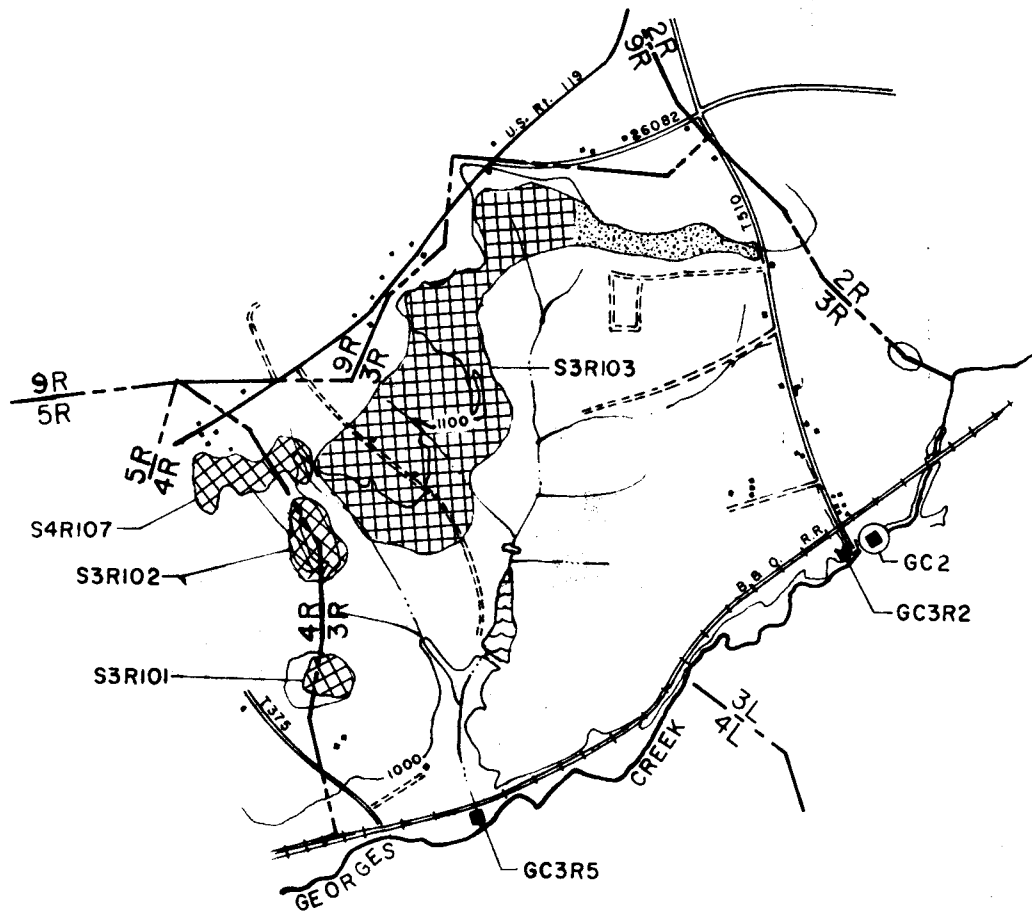
Station	pH	Hot Acid		Alkalinity		Net Hot Acid		Ferrous Iron		Iron as Fe		Sulfate		Flow	
		PPM	#/Day	PPM	#/Day	PPM	#/Day	PPM	#/Day	PPM	#/Day	PPM	#/Day	GPM	G.P.D.
GC3R2	6.6	4.00	.91	22.67	51.84	0	0	0	0	.15	.03	14.67	3.35	6	8,640
GC3R5	6.6	3.00	75.44	52.00	803.56	0	0	0	0	.37	7.59	40.50	606.02	1139	1,640,160

Location Plan



LEGEND FOR THE FOLLOWING PLATES

- Y DEEP MINE OPENING (M9R59A)
- ▲ DEEP MINE PIPE (SAMPLE STATIONS - MP5L2A, or BH9R2)
- ▼ 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



**MAP OF
SUB-WATERSHED 3R**
(UN-NAMED)
SCALE: 1" = 2000'

strip Mines

The Commonwealth records indicate there is 1 strip mine in this sub-watershed. Our field investigations located 3 surface mines with none flowing. Table 34 lists the abandoned strip mines within the sub-watershed with the following information: the name of the mine or operator if known, permit numbers, the acres of area mined and which seam was mined, the designation we give the mine, whether or not there is a flow, and whether there are any deep mine connections.

The total acreage of abandoned surface mines in Sub-watershed 3R is 100.06 acres or 12.59% of the total sub-watershed land area.

TABLE 34
 Abandoned Surface Mines
 Sub-watershed
 3R

Mine Number	Name of Mine or Operator	Permit No.	Area Mined (Acres)	Seam Mined	Flowing	Connection w/Deep Mine
S3R101	Unknown	--	3.67	PGH*	No	--
S3R102	Unknown	--	10.10	PGH*	No	--
S3R103	Kismet Coal Co.	17846	86.29	PGH	No	--

*Assumed