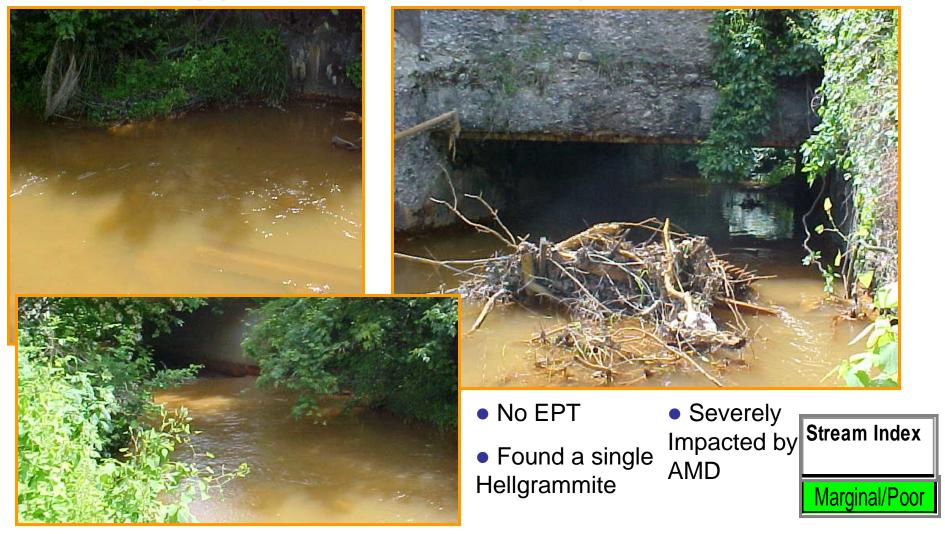


Upper S. Branch Newport Creek



Upper S. Branch Newport Creek

рН	D.O.	Alkalinity	Acidity	Iron	H2O Temp
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(° F)
4.7	11	51.3	153.9	7.5	59

Taxa	EPT	МНІ	%Tolerant	%Dominance
Richness	Richness			
1	0	3	0	100

Lower S. Branch Newport Creek



 Heavy iron-laden sediment coats the entire stream bottom

 Coal banks erode directly into the Creek



No EPT

 Severely Impacted by AMD from the Honey Pot Outfall

 Beaver dam was breached above the sampling area

Stream Index

Poor

Lower S. Branch Newport Creek

рН	D.O.	Alkalinity	Acidity	Iron	H2O Temp
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(° F)
4.8	10	68.4	56.43	6.5	59

Taxa	EPT	МНІ	%Tolerant	%Dominance
Richness	Richness			
0	0	0	0	0

Headwaters of Nanticoke Creek

Stream Index

Excellent

- Headwaters of Creek are directly on top of the Pottsville geologic formation
- Glacial till and conglomerates can be found in the stream bottom

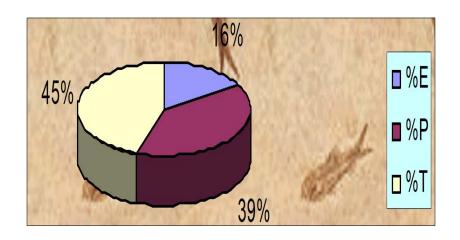


- High D.O.
- Erosion from Coal banks South of sampling location
- Creek is "lost" into the underground mine workings < 100 yds from sampling point

Headwaters of Nanticoke Creek

рН	D.O.	Alkalinity	Acidity	Iron	H2O Temp
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(° F)
7	10	0	17.1	0	52

Taxa Richness	EPT Richness	МНІ	%Tolerant	%Dominance
12	9	3	4.3	5.4



Lower Nanticoke Creek







- No EPT
- No aquatic life present
- Filamentous algae masses prevalent



- Iron-coated stream bottom
- Chronic AMD

Stream Index

Poor

Lower Nanticoke Creek



- Severely polluted by AMD
- Surprised to find a turtle coated with iron oxide precipitate surviving in isolation of any other living terrestrial life
- 15' high beaver dam exists as a potential hazard just North of the sampling location



 ~ 2.5 acres of surface area of water is being held back by the beaver dam

Dundee Outfall: Discharges to Nanticoke Creek

