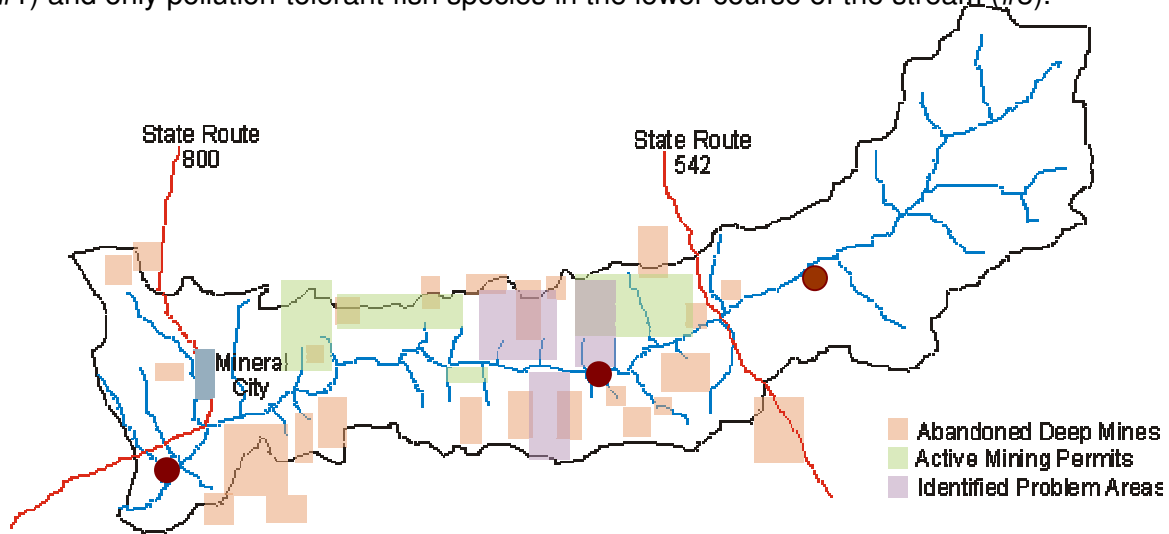


## Fish Studies within Huff Run

### Early Ohio EPA Study

Three segments of Huff Run were sampled for fish a prior to 2002 by OEPA. As the stream flows west (left), it travels from undisturbed, original conditions into areas where coal has been removed by surface and underground mines.

The results, shown in the table below, illustrate diverse fish communities above the mining sites (#1) and only pollution-tolerant fish species in the lower course of the stream (#3).

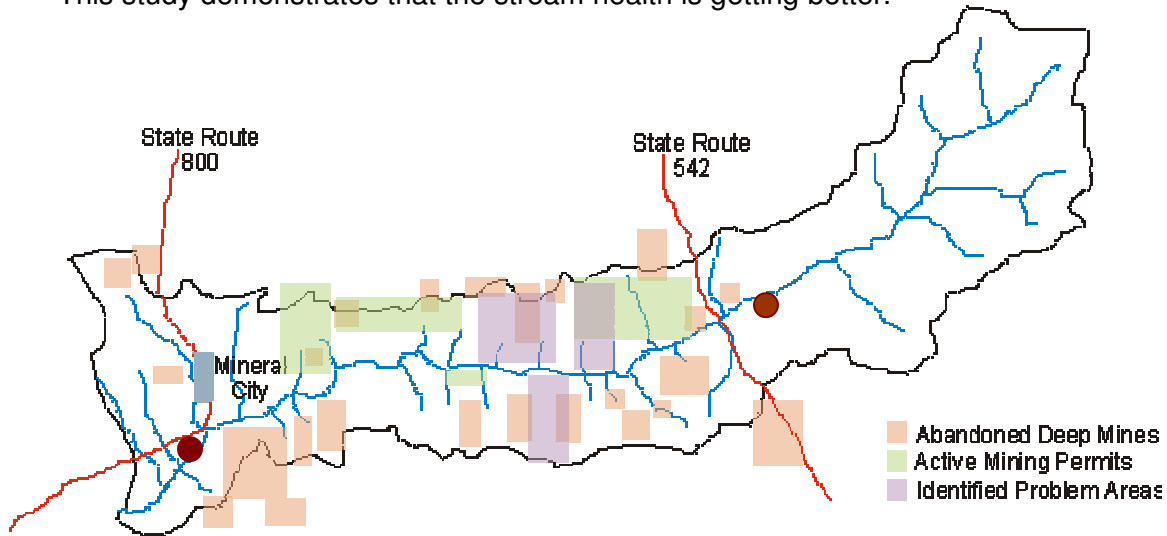


Totals	<b>Sattlers Bottom Rd #3</b>		<b>Indigo Rd #2, Midstream</b>		<b>HR-0 Upstream #1</b>	
	Green Sunfish	13	Green Sunfish	26	Green Sunfish	5
			Creek Chub	192	Creek Chub	243
			Blacknose Dace	136	Blacknose Dace	56
			Johnny Darter	84	Johnny Darter	22
			White Sucker	44	White Sucker	39
			Fantail Darter	42	Fantail Darter	45
			Bluntnose Minnow	2	Bluntnose Minnow	17
					Redside Dace	81
					South, Redbelly Dace	36
					Least Brook Lamprey	8
					Bluegill Sunfish	5
					Creek Chub X Redsided	1
Total		13		583		558
Species		1		8		11



## Mount Union College Fall 2003 Aquatic Ecology Class

This study demonstrates that the stream health is getting better.



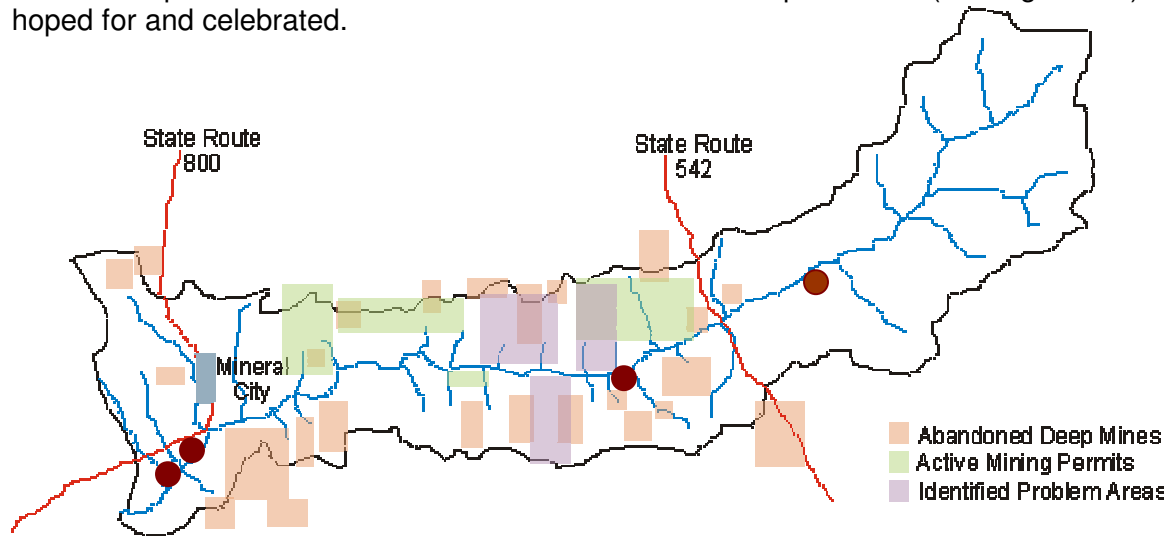
Totals	Huff Run Road, Downstream (just upstream of Sattlers Bottom)		HR-1, Upstream (downstream of HR-0)	
	Creek Chub	3	Creek Chub	17
	Northern Hog Sucker	1	Northern Hog Sucker	2
	White Sucker	1		
			Blunt Nose Minnow	1
			Emerald Shiner	1
			Johnny Darter	5
			Blacknosed Dace	2
Total		5		28
Species		3		6

Although this study did not find the large amount of fish that the EPA study found upstream, we are encouraged to see pollution intolerant fish downstream. The small amount of fish recovered may be because the study was conducted in only one afternoon.



## Midwest Biodiversity Institute 2005 Study

Midwest Biodiversity Institute conducted a full stream sweep in the summer of 2005. Data here only reflects the sites shown above for comparison. Although the same amount of species in the first study were found here, a much larger amount of fish were found, showing improvement. Also, comparing the Mount Union College study and this one, not only were more fish found but also more species. This site is far downstream and such improvement (although small) here is hoped for and celebrated.

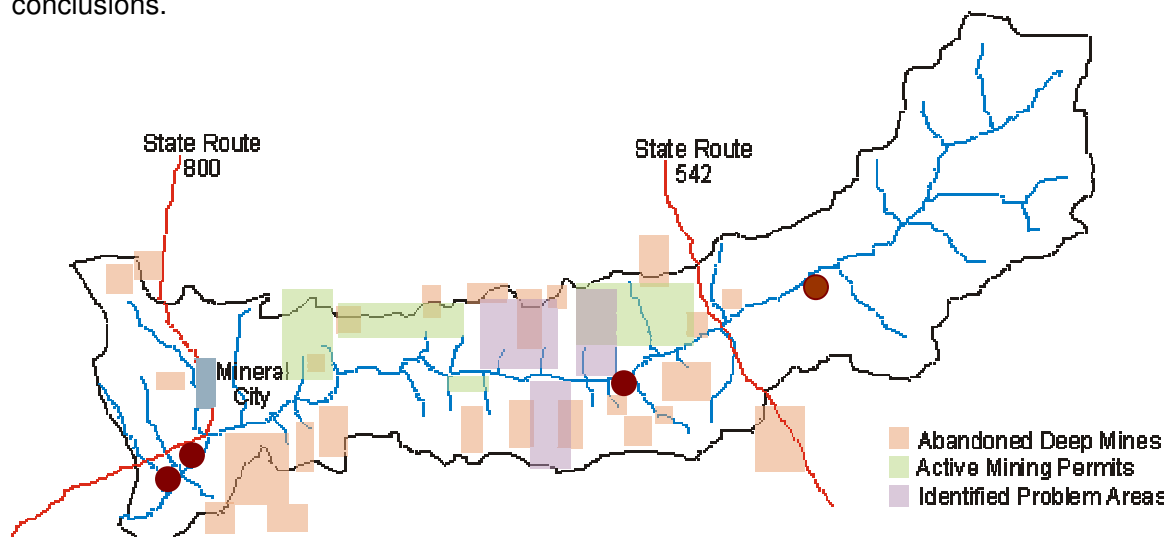


Totals	Sattlers Bottom		Huff Run Road		Indigo Rd		HR-0	
	Creek Chub	14	Creek Chub	52	Creek Chub	144	Creek Chub	169
	Green sunfish	2	Green sunfish	21	Green sunfish	4	Green sunfish	17
			W. Blacknose Dace	1	W. Blacknose Dace	139	W. Blacknose Dace	194
			White Sucker	10	White Sucker	50	White Sucker	342
			Northern Pike	1				
					Fantail Darter	174	Fantail Darter	194
					Johnny Darter	147	Johnny Darter	256
					Bluntnose Minnow	23	Bluntnose Minnow	179
					G sunfish x bluegill	1	Bluegill Sunfish	6
							Redsided dace	30
							Fathead minnow	2
Totals		16		85		693		1400
Species		2		5		8		11



## Ohio EPA Summer 2008 Study

Ohio EPA conducted another full stream sweep with eight sampling locations. All sites were even better compared to 2005. Wetland species were found downstream with a much larger diversity of species – 12 where we found six in '05. Upstream, we found more intolerant species and obtained warm water habitat designations in the headwaters. This study presented many hopeful conclusions.



Totals	Sattlers Bottom		Huff Run Road		Hope Rd (near Indigo Rd)		HR-0	
	Redfin Pickerel	2	West Banded Killfish	2	Blunt Nose Millow	15	Blunt Nose Minnow	115
	White Sucker	11	White Sucker	27	White Sucker	44	White Sucker	42
	Green Sunfish	13	Green Sunfish	9			Green Sunfish	5
	Creek Chub	35	Creek Chub	43	Creek Chub	59	Creek Chub	125
	Blunt Nose Min	4	Stripped Shiner	1			Spotted Bass	1
	Trout Perch	1	Black Nose Dace	1	Black Nose Dace	17	Black Nose Dace	68
	Green Sun Hybrd	1	Brown Bullhead	4			Southern Red Belly	35
	Black Stripe Top	10	Large Mouth Bass	2	Large Mouth Bass	1	Large Mouth Bass	3
	Blue Gill	2	Blue Gill	2	Blue Gill	3	Blue Gill	22
	Johnny Darter	1	Johnny Darter	1	Johnny Darter	19	Johnny Darter	21
	Green x Blue	1	Green X Blue	1				
			Redside Dace	1	Redside Dace	18	Redside Dace	42
							Fantail Darter	29
							Least Brook Lamprey	20
Totals	81		94		176		528	
Species	11		12		8		13	

