

• Huff Run flows from the Morges community in Carroll County, into Tuscarawas County and has its confluence in the Conotton Creek just South of Mineral City, Ohio. Huff Run is 9.9 miles long with a 13.9 square mile watershed. Almost all land east of State Route 542 (about 2/3 of the watershed) has been mined for coal and some limestone and clay. Because much of the land mined was not reclaimed, the watershed is plagued with the resulting acid mine drainage. Other pollution issues in the watershed include illegal dumping, poor riparian buffers, raw sewage entering the stream, oil and gas impacts, and agricultural impacts.

• The Huff Run Watershed Restoration Partnership Inc. (HRWRP) was founded in 1996 by a group of concerned citizens. The HRWRP has partnered with ODNR/MRM, Rural Action, OEPA, Crossroads RC&D, OSM and others to fulfill their mission statement

which is "To restore the Huff Run watershed by improving water quality and enhancing wildlife habitat, through community support and involvement."

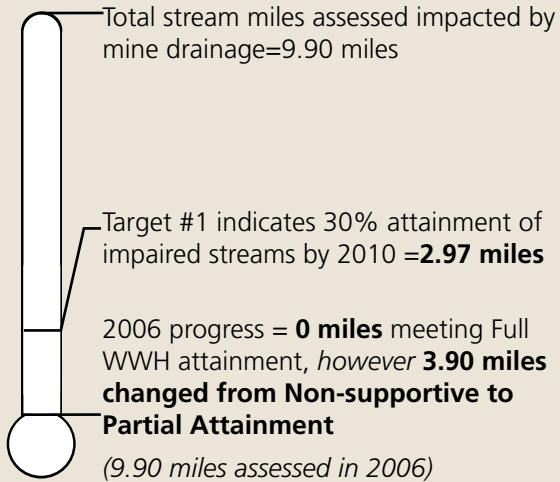
• The Farr Anoxic Limestone Drain, the first passive treatment system in the watershed, was constructed in 2000. Also, HRWRP can boast of building the first bioremediation system in Ohio with their Linden Restoration Project. They also were awarded a US EPA Targeted Watershed Grant in 2005 for their Belden Successive Alkaline Producing System. At their 10 year anniversary, seven restoration projects have been completed with funding obtained for five more.

• To learn more about the HRWRP, visit their website at www.huffrun.org or call 330-859-1050 to reach their office.

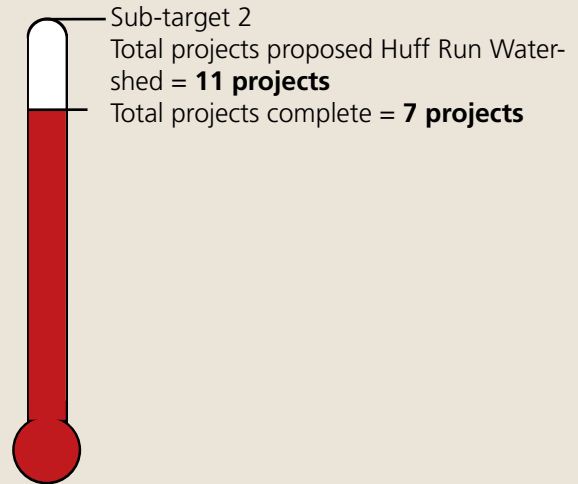
Reductions

Total acid load reduction = 83 lbs/day

Attainment Miles



Completion



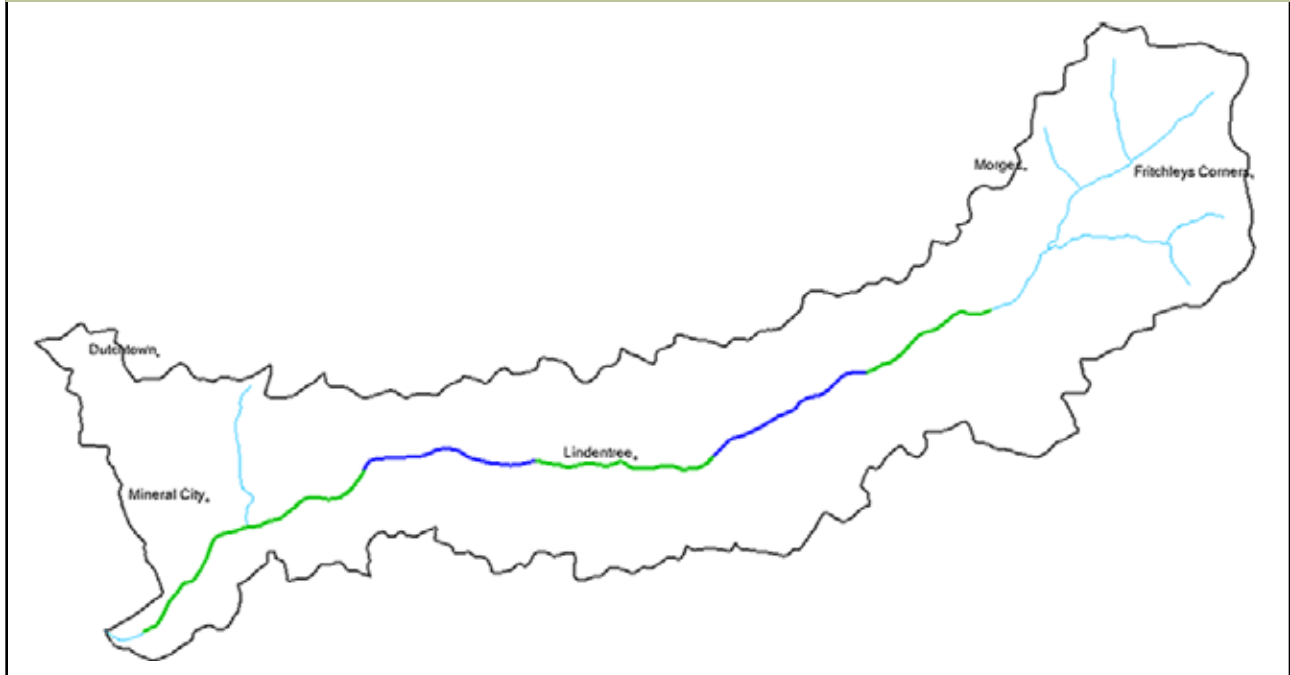
Costs

Design \$265,560 (excluding Linden and Huff Run AML)

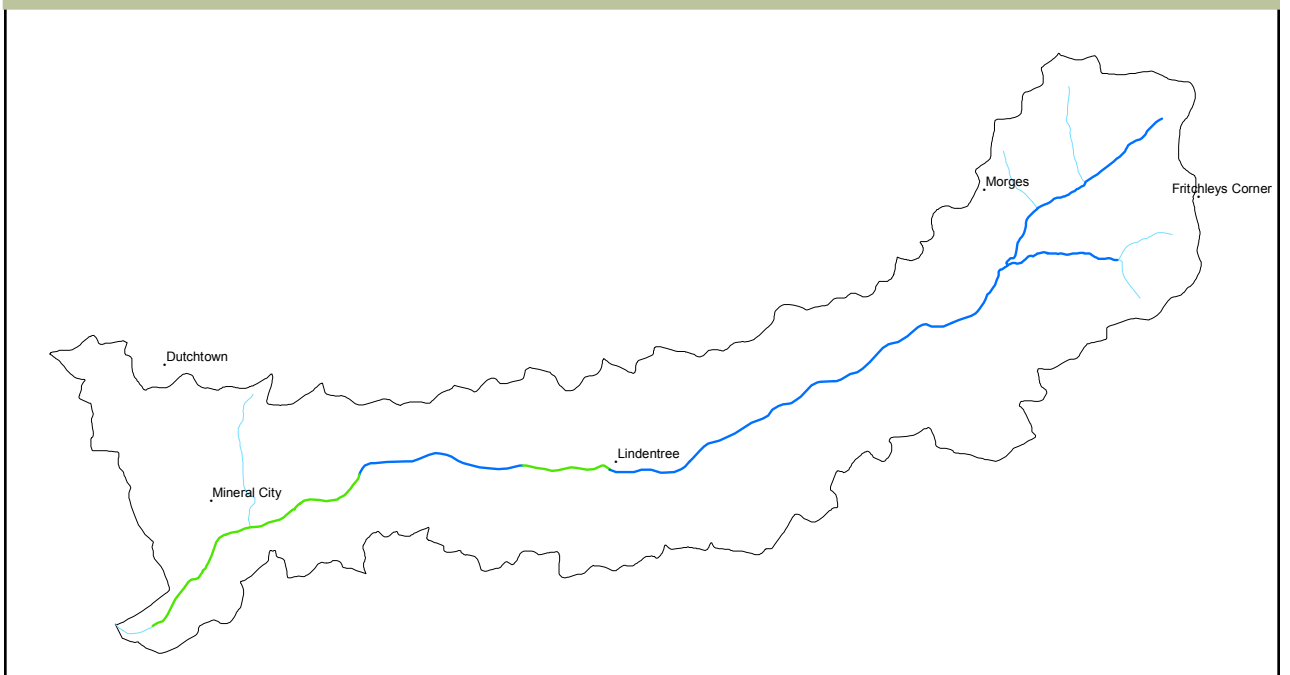
Construction \$2,311,835 (excluding Huff Run AML)





Total cost through 2007=\$2,577,295

Huff Run baseline pH



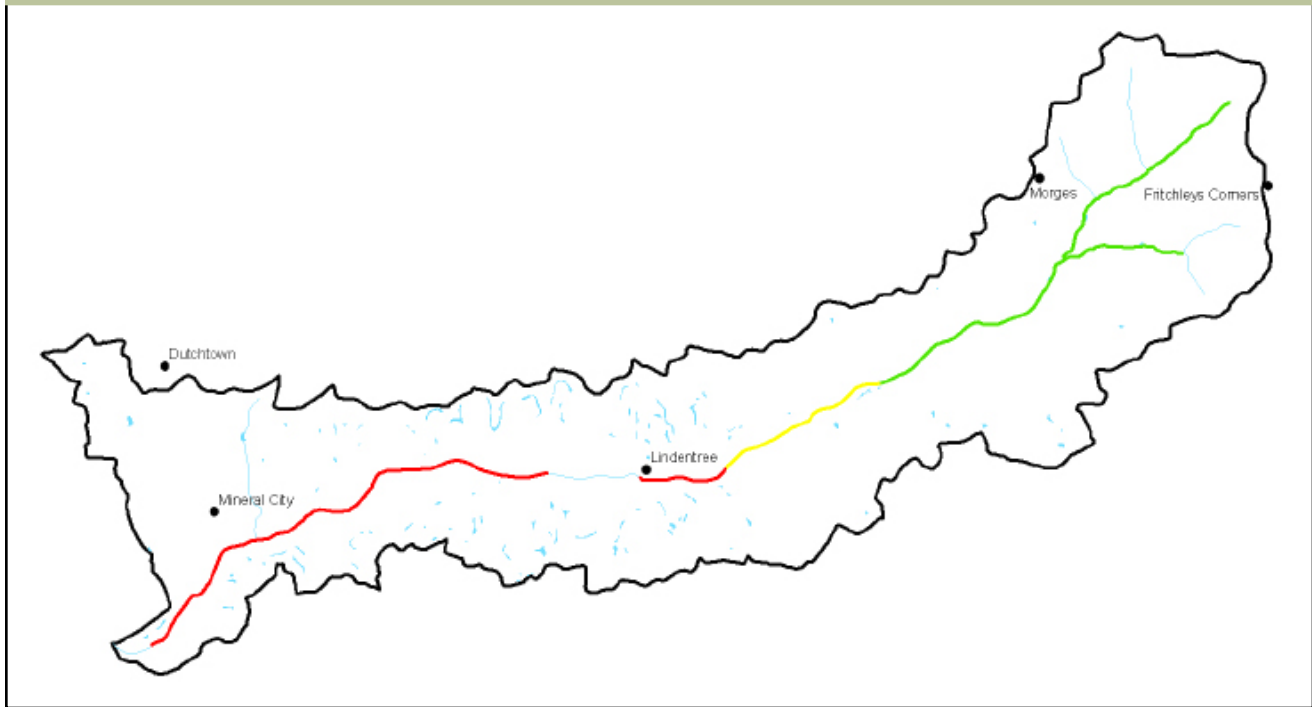
Huff Run 2007 pH



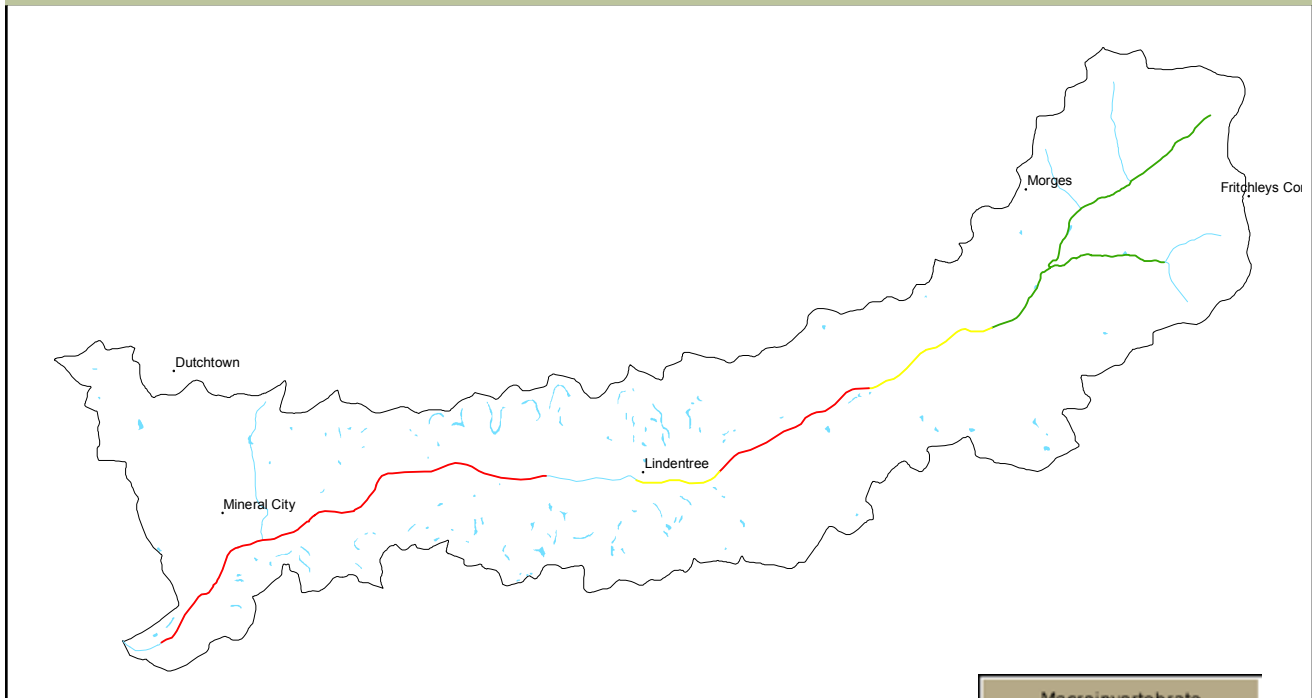
| Lab pH | |
|---|-----------|
|  | < 4 |
|  | 4 - 5.4 |
|  | 5.5 - 6.4 |
|  | > 6.4 |

Huff Run pH values have improved from baseline conditions (1985-1998) to 2007. Two mainstem sections totaling 2.3 miles have improved pH values from the range 5.5–6.4 to now meeting water quality standards pH >6.5. Huff run mainstem supports 4.9 miles in total that meet the pH standard (>6.5).

Huff Run 2005 MAIS



Huff Run 2007 MAIS



Huff Run aquatic life use has improved from baseline conditions (1985-1998) to 2005. Aquatic life use changed from WWH non-sportive to WWH partial attainment along 3.9 miles in Huff Run. In 2007 the MAIS score increased in the headwaters slightly from site HR6/HRR03 to HR11/HRR04. This is the site downstream of Lindentree Project. The area of degradation analysis for the seven mainstem sites along Huff Run, shows little improvement between 2005 (-84) and 2007 (-80). MAIS scores steadily increase at the river mile 4.9 (site HR 11/ HRR04).

