
Appendix A. Glossary

Abandoned Mine Drainage (AMD): this is a form of pollution that occurs when an abandoned mine fills with water. This water is able to pick up metals that were previously inaccessible to the water table before mining occurred. The metal-rich water can then leak out back into the environment and drastically impact any ecosystem it flows into.

Acidity: describes the amount of acid in a substance. The amount of hydrogen ions in said substance determines its acidity. For example, a substance with a high level of hydrogen ions is very acidic.

Alkalinity: the measurement of the acid-neutralizing capacity of a substance. Like acid, the amount of hydrogen ions in said substances determines its alkalinity. For example, a substance with a low level of hydrogen ions is very alkaline.

Anticline: upwards folds in the Earth's crust that extend from the surface. This geological feature is responsible for the formation of hills and mountains.

Aquifer: pockets below the water table that contain water within a permeable body of rock.

Biodiversity: a term that refers to the species and population sizes in an area. An area with good biodiversity would have sustainable populations of many different species.

Climate: the averages and patterns of weather over a long period of time.

Conventional Drilling: also known as traditional drilling, relies on a well's natural pressure to pump oil to the surface.

Deciduous forest: the predominant forest type in our area. This forest type is mainly composed of trees that lose their leaves in the fall.

Easement: a legal right to use another person's property.

Ecosystems: a community of organisms that live and influence each other in their environment.

Erosion: the process where rocks and soil are removed from one location and are deposited in another. This process can happen naturally but is often dangerously quickened by human influence.

Floodplains: natural areas of low-lying ground next to some stream segments that increase the stream's capacity to move water during periods of high flow.

Fragmentation: occurs when human made barriers split up a habitat and species are no longer able to cross into newly formed sections of a once continuous area. Roads, highways, agriculture, and buildings can all result in fragmentation.

Greenhouse Gases: a gas in the atmosphere that traps in solar radiation and reflects heat back to earth's surface.

Headwater Streams: streams that lack tributaries or “branches” and are the beginning source of water in a watershed.

Impaired: an area that is polluted and unable to support life at the same capacity it once could.

Invasive Species: a species that is non-native to an area and is likely to environmental or economic damage.

Macroinvertebrates: any animal or insect lacking a backbone that is large enough to see with the naked eye. They are common populations in streams and other bodies of water and are common prey for fish species.

Natural Heritage Area (NHA): designed areas of ecological importance that are protected by different environmental safeguards.

Nonpoint Source Discharge: these discharges are not regulated and enter a stream from multiple sources. This type of discharge can consist of abandoned mine drainage, agricultural runoff, and stormwater runoff.

Permeability: the ability to be passed through by a liquid or gas. A material with high permeability can have a substance easily flow through it, while a material with low permeability is less capable to have a substance flow through it.

pH: this is a scale ranging from 1-14 that helps determine the acidity of a substance. The lower a substance goes on this scale, the more acidic it is. Seven is considered a neutral point and is what clean water typically falls under. The higher end of the scale is considered basic and is where alkaline substances are found.

Point Source Discharge: discharges that enter a stream from a specific point. These types of discharges are typically managed through a provision of the Clean Water Act.

Precipitation: condensed atmospheric water vapor—ie: rain, snow, fog, hail, etc.

Riparian Corridors: vegetative areas adjacent to streams. They have a huge impact on stream health and are important to aquatic and terrestrial life.

Runoff: water that is not absorbed into the ground. This water is a product of precipitation and runs along the surface until it empties into already existing waterways.

Sedimentation: the process where a sediment—typically composed of soil and rock—settle in a new area. This is often a product of erosion.

Septic System: underground wastewater treatment/containment structures. Septic systems are extremely common in rural areas and take the place of public centralized sewer systems.

Soil Series: a group of soils with similar profiles developed from similar parent materials and conditions.

Subsidence: the process by which land or building sink to a lower level. This can cause unrepairable damage to a property.

Syncline: folds in the Earth's crust that dip away from the surface. This geological feature is responsible for the formation of valleys.

Topographic Features: a very broad classification that includes any and all geologic structures like hills, valleys, lakes, oceans, etc.

Tributaries: streams that flow into larger bodies of water.

Unconventional Drilling: is a newer and more technologically advanced form of drilling. This kind of drilling targets low permeability formations and uses pressure to create cracks for oil to pass through.

Weather: The short term, day to day, measurement of temperature, humidity, wind, and precipitation.

Wetlands: areas of land that, for at least part of the year, are covered with water. These areas tend to have vegetation that is water tolerant and good at absorbing and filtering a stream's excess flow.

Appendix B. Planning Committees

Steering Committee:

Eric Martin

Wilderness Voyagers

Heather Fowler

Fayette Conservation District

Chelsea Walker

Westmoreland Conservation District

Eric Harder

Youghiogheny Riverkeeper

Ben Moyer

Chestnut Ridge Trout Unlimited

Bryan Perry

Allegheny Trail Alliance

Adam Cotchen

Western PA Conservancy

Deb Simko

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Rick Hogh

Indiana University of PA
Landowner

Ken Gfroerer

Mountain Watershed Association

Melissa O'Neil

Three River Quest
Youghiogheny Watershed Association (MD, WV)

Rachel Spiranak

West Virginia Water Research Institute

Appendix C. Tributaries by Management Unit

YOUGHIOGHENY RIVER HEADWATERS MANAGEMENT UNIT

TRIBUTARIES	DRAINAGE AREA (ACRES)	STREAM DESIGNATION
Sandspring Run	702	IIIP
Maple Run	13,871	WV ?
Rhine Creek	13,304	WV ?
Cherry Creek	10,716	IIIP
Frozen Camp Run	1,048	IIIP
Ambrose Run	1,922	IIIP
Douglas Run	702	IIIP
Clark Run	1,556	IIIP
Fox Run	388	IIIP
White Meadow Run	1,293	IIIP
Cherry Bottom Run	478	IIIP
Snowy Creek	21,826	IIIP
Laurel Run	7,079	IIIP
North Branch Snowy Creek	5,726	WV
Wardwell Run	2,116	WV
South Branch Snowy Creek	3,588	WV
Pine Run	461	WV
Chislom Run	821	IIIP
Little Youghiogheny River	26,132	IIIP
Bradley Run	642	IIIP
Wilson Run	1,456	IIIP
Cherry Glade Run	782	IIIP
Cotton Run	549	IIIP
Trout Run	3,411	IIIP
Broadford Run	4,711	IP, IIIP
Perry Glade Run	297	IP
Block Run	2,336	IIIP
Dunkard Lick Run	3,065	IIIP
Millers Run	1,797	IIIP
Herrington Run	21,088	IIIP
Murley Run	2,785	IIIP
Glade Run	737	IIIP

YOUGHIOGHENY RIVER HEADWATERS MANAGEMENT UNIT (CON'T)

TRIBUTARIES	DRAINAGE AREA (ACRES)	STREAM DESIGNATION
Round Glade Run	1,073	IIIP
Tolliver Run	2,497	IIIP
Muddy Creek	11,380	IIIP
Piney Run	1,166	IIIP
White Oak Springs Run	3,792	IIIP
Hoyes Run	885	IIIP
Cupp Run	1,134	IIIP
Browning	213	IIIP
Hayes Run	636	IIIP
Tanklin Run	422	IIIP
Ned Run	435	IIIP

DEEP CREEK MANAGEMENT UNIT

TRIBUTARIES	DRAINAGE AREA (ACRES)	STREAM DESIGNATION
Red Run	2,278	IIIP
Smith Run	623	IIIP
Hoop Pole Run	414	IIIP
Pawn Run	2,626	IIIP
Green Glade Run	880	IIIP
North Glade Run	4601	IIIP
Meadow Mountain Run	2,443	IIIP
Cherry Creek	7871	IIIP
Gravelly Run	540	IIIP

UPPER YOUGHIOGHENY RIVER MANAGEMENT UNIT

TRIBUTARIES	DRAINAGE AREA (ACRES)	STREAM DESIGNATION
Hoyes Run	2,744	IIIP
Fork Run	1,034	IIIP
Steep Run	242	IIIP
Ginseng Run	2,030	IIIP
Salt Block Run	3,440	IIIP
Gap Run	1915	IIIP
White Rock Run	3,097	IIIP
White Rock Run Glade	1723	IIIP
Trap Run	840	IIIP
Laurel Run	2823	IIIP
Bear Creek	31586	IIIP
South Branch Bear Creek	10747	IIIP
Stony Brook	1567	IIIP
Rocklick Creek	1848	IIIP
Fikes Run	1363	IIIP
Cove Run	1846	IIIP
Little Bear Creek	4016	IIIP
Buffalo Creek	22516	IIIP
Glade Run	2787	IIIP, WWF
Laurel Run	2120	IIIP
North Branch Laurel Run	726	IIIP
South Branch Laurel Run	1305	IIIP
Little Buffalo Run	823	IIIP
Stony Run	766	IIIP
Mill Run	11314	IIIP
Collier Run	545	IIIP, WWF
Cove Run	1630	IIIP
Chubb Run	1353	IIIP, WWF
Reason Run	775	IIIP, WWF
Braddocks Run	2875	WWF
Hall Run	1940	WWF
Tub Run	3003	WWF
Hen Run	1145	WWF

CASSELMAN RIVER MANAGEMENT UNIT

TRIBUTARIES	DRAINAGE AREA (ACRES)	STREAM DESIGNATION
White's Creek	21,677	HQ-CWF
Becket Run	1,417	HQ-CWF
Laurel Run	1,314	HQ-CWF
Puzzley Run	4,585	III
Bucks Run	1,111	III
Hoy Run	572	HQ-CWF
Enos Run	2,007	HQ-CWF
Zehner Run	1,369	I
Christner Run	1,398	HQ-CWF
Cucumber Run	3,066	WWF
McClintock Run	7,462	CWF
Glade Run	2,956	CWF
Cove Run	2,290	CWF
Lost Run	732	WWF
Townline Run	10,525	WWF
Isers Run	5,439	EV
Vought Run	475	EV
Middle Creek	12,628	TSF
Kimmel Run	1,459	TSF
South Glade Creek	17,702	WWF
Rhodes Creek	3,071	WWF
Coxes Creek	475	WWF
Wilson Creek	4,306	WWF
Rice Run	1,786	WWF
Laurel Run	5,417	WWF
Dempsey Run	476	WWF
Broms Run	792	WWF
East Branch Coxes Creek	16,438	WWF, TSF
Kimberly Run	5,605	CWF
Parson Run	655	TSF
West Branch Coxes Creek	1,697	WWF
Weimer Run	1,571	CWF
Stony Batter Run	756	CWF
Shafer Run	1,082	CWF
Lick Run	1,183	CWF

CASSELMAN RIVER MANAGEMENT UNIT (CON'T)		
TRIBUTARIES	DRAINAGE AREA (ACRES)	STREAM DESIGNATION
Bigby Creek	2,765	CWF
Buffalo Creek	22,516	CWF
Tubs Run	3,427	CWF
Miller Run	4,951	CWF
Hays Run	501	CWF
Swamp Creek	1,999	CWF
Blue Lick Creek	29,324	CWF
Elklick Creek	11,634	CWF
Cranberry Run	2,091	CWF
Spook Run	952	CWF
Laurel Falls Lake	14	CWF
Flaugherty Creek	16,865	CWF
Stum Run	1,308	CWF
Miller Run	2,641	CWF
Miller Run	960	CWF
Piney Run	20,560	CWF, IP, IIIP
Little Piney Creek	3,603	III
Red Run	1,965	III
Two Mile Run	2,152	III
Church Run	458	III
Tub Mill Run	14,743	CWF
Laurel Run	1,786	CWF
Meadow Run	4,742	I, CWF
Flag Run	18,064	CWF
Crab Run	1,135	I
Slaubaugh Run	535	I
Schoolhouse Run	656	I
Shade Run	4,936	III
Big Shade Run	3,179	III, CWF
Little Shade Run	1,544	III
Spiker Run	1,533	III
South Branch Casselman	13,298	III
Big Laurel Run	3,578	III
Little Laurel Run	1,538	III
North Branch Casselman	16,922	III
Tarkin Run	773	III

CASSELMAN RIVER MANAGEMENT UNIT (CON'T)

TRIBUTARIES	DRAINAGE AREA (ACRES)	STREAM DESIGNATION
Alexander Run	644	III
Pleasant Valley Run	1,888	III
Cunningham Lake	1,322	I

LAUREL HILL CREEK MANAGEMENT UNIT

TRIBUTARIES	DRAINAGE AREA (ACRES)	STREAM DESIGNATION
Licking Run	1,291	HQ-CWF
Cranberry Glade Run	3,372	HQ-CWF
Sandy Run	6,488	HQ-CWF
Harbaugh Run	1,703	HQ-CWF
Moose King Run	1,512	HQ-CWF
Whipkey Run	1,628	HQ-CWF
Green King Run	1,096	HQ-CWF
Lost Creek	2656	HQ-CWF
Fall Creek	7,952	HQ-CWF
Blue Hole Creek	3,679	EV
Cole Run	800	EV
Garys Run	775	EV
Allen Creek	2,981	HQ-CWF
Crab Run	377	HQ-CWF
Spruce Run	1,570	HQ-CWF
Jones Mill Run	2,514	EV
Buck Run	697	HQ-CWF
Crise Run	618	HQ-CWF
Gross Run	806	HQ-CWF
Kooser Run	2,627	HQ-CWF
Moore Run	3,033	HQ-CWF
Shafer Run	1,983	HQ-CWF
Shanks Run	602	HQ-CWF
Clear Run	3,359	HQ-CWF
Keller Run	660	HQ-CWF

MIDDLE YOUGHIOGHENY RIVER MANAGEMENT UNIT

TRIBUTARIES	DRAINAGE AREA (ACRES)	STREAM DESIGNATION
Ramcat Run	2,588	CWF
Drake Run	28,770	HQ-CWF
Little Glade Run	2,515	HQ-CWF
Alex Run	771	HQ-CWF
Camp Run	331	HQ-CWF
Lick Run	1596	HQ-CWF
Long Run	514	EV
Rock Spring Run	995	HQ-CWF
Sheepskin Run	504	EV
Meadow Run	26,360	HQ-CWF
Laurel Run	2,869	HQ-CWF
Peck Run	720	HQ-CWF
Beaver Creek	7,963	HQ-CWF
Noahs Glade	1,992	HQ-CWF
Deadman Run	2,670	
Great Meadow Run	1,340	
Cucumber Run	4,086	CWF
North Branch Cucumber Run	1,169	CWF
Jim Run	613	CWF
Stulls Run	289	WWF
Bear Run	4,100	EV
Jonathan Run	4,147	EV
Blackberry Run	729	EV
Sugar Run	473	EV
Laurel Run	1,604	HQ-CWF
Crooked Run	773	CWF
Bruner Run	2,198	EV
Johnson Run	780	HQ-CWF
Workman Run	591	CWF
Morgan Run	3,249	HQ-CWF
Indian Creek	79,950	See Chapter 7
Laurel Run	1,214	CWF
Dunbar Creek	23,623	TSF
Gist Run	4,453	TSF
Ferguson Run	1,517	TSF
Laurel Run	647	TSF

MIDDLE YOUGHIOGHENY RIVER MANAGEMENT UNIT (CON'T)

TRIBUTARIES	DRAINAGE AREA (ACRES)	STREAM DESIGNATION
Irishtown Run	970	HQ-CWF
Elk Rock Run	970	HQ-CWF
Tucker Run	1,233	HQ-CWF
Limestone Run	1,784	HQ-CWF
Glade Run	6,687	HQ-CWF
Rock Run	1,322	HQ-CWF
Flat Rock Run	497	HQ-CWF

INDIAN CREEK MANAGEMENT UNIT

TRIBUTARIES	DRAINAGE AREA (ACRES)	STREAM DESIGNATION
Little Run	1,432	HQ-CWF
Camp Run	2,303	EV
Roaring Run	6,345	HQ-CWF
Pike Run	3,093	HQ-CWF
Champion Creek	8,926	CWF
Minnow Run	807	CWF
Little Champion Creek	4,772	CWF
Wash Run	674	CWF
Back Creek	7,256	CWF
Trout Run	1,790	HQ-CWF
Neals Run	2,243	HQ-CWF
Poplar Run	6,510	CWF
Newmyer Run	1,287	CWF
Laurel Run	7,469	CWF
Middle Fork Laurel Run	1,792	CWF
Buck Run	2,901	CWF
Stoney Run	1,191	CWF
Mill Run	1,943	HQ-CWF
Clay Run	1,377	HQ-CWF
Fulton Run	2,457	HQ-CWF
Rasler Run	4,462	HQ-CWF
Richter Run	1,040	CWF
Tates Run	1,456	CWF

