

C. Describe the types of persons, businesses and organizations likely to be impacted by this proposal.

No significant impacts are evident. Most of the watershed is forested; a subordinate area is agricultural, mainly growing hay, and including a few small dairy operations. The small village of St. Lawrence is in the watershed, amounting to about a dozen houses and 2 churches. Perhaps 10 more houses are in the watershed, including a couple of farms. Several gas wells are in or near the west edge of the watershed, but they are conventional vertical wells, not Marcellus type, drilled in 2011 and before. Small amounts of coal were mined in the past.

D. Does the action requested in the petition concern a matter currently in litigation? If yes, please explain.

We are not aware of any litigation in the watershed.

E. For stream redesignation petitions, the following information must be included for the petition to be considered complete. Attach supporting material as necessary.

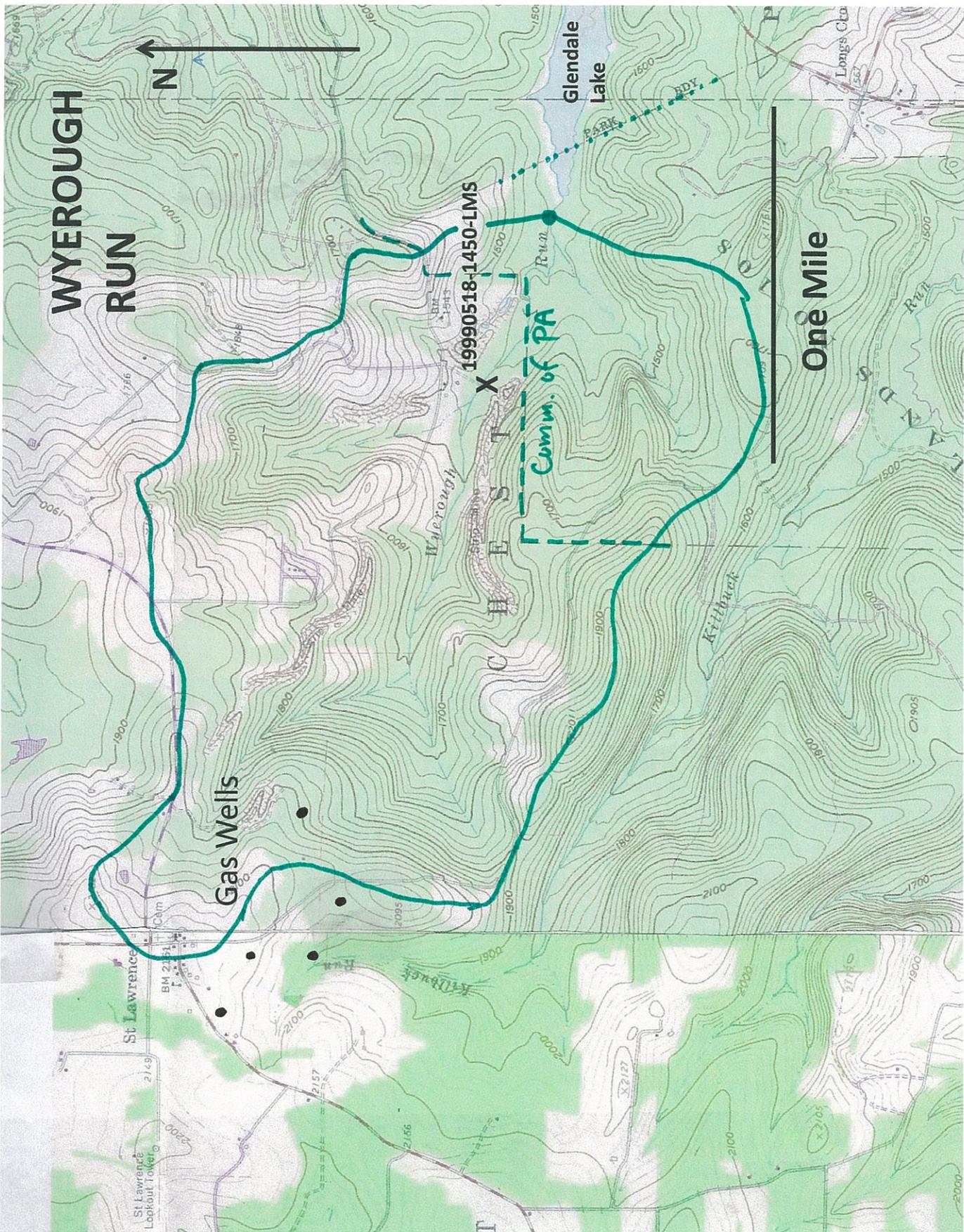
1. A clear delineation of the watershed or stream segment to be redesignated, both in narrative form and on a map.
2. The current designated use(s) of the watershed or segment.
3. The requested designated use(s) of the watershed or segment.
4. Available technical data on instream conditions for the following: water chemistry, the aquatic community (benthic macroinvertebrates and/or fishes), or instream habitat. If such data are not included, provide a description of the data sources investigated.
5. A description of existing and proposed point and nonpoint source discharges and their impact on water quality and/or the aquatic community. The names, locations, and permit numbers of point source discharges and a description of the types and locations of nonpoint source discharges should be listed.
6. Information regarding any of the qualifiers for designation as high quality waters (HQ) or exceptional value waters (EV) in §93.4b (relating to qualifying as High Quality or Exceptional Value waters) used as a basis for the requested designation.
7. A general description of land use and development patterns in the watershed. Examples include the amount or percentage of public lands (including ownership) and the amount or percentage of various land use types (such as residential, commercial, industrial, agricultural and the like).
8. The names of all municipalities through which the watershed or segment flows, including an official contact name and address.
9. Locational information relevant to items 4-8 (except for contact names and addresses) displayed on a map or maps, if possible.

**All petitions should be submitted to the
Secretary of the Department of Environmental Protection
P.O. Box 2063
Harrisburg, PA 17105-2063**

PETITION FOR UPGRADE OF WYEROUGH RUN, CAMBRIA COUNTY

1. The proposed upgrade includes all of the watershed of Wyerough Run, a tributary of Glendale Lake in Chest Township. The proposed watershed extends west from the lake to the village of St. Lawrence about 2.5 miles to the west. See the accompanying map.
2. The current designated use is CWF-MF.
3. The requested designated use is CWF-MF-EV.
4. See the attached report of chemical and biota testing near the mouth of the stream. The tests show that the stream meets Extra Value standards.
5. No permitted discharges are known within the watershed.
6. The IBI using the SSWAP method is 90.5 for the sample site near the mouth.
7. The watershed has an area of about 2.8 square miles. About 70% of the watershed is forested and 30 % is cleared land, though very little is being used for growing crops – about half is in Christmas trees. The farmland is mainly on the north side of the watershed. Part of the village of St. Lawrence lies in the watershed, amounting to about 10 homes and 2 churches, About 16% of the watershed (0.5 sq mi.) is in State Gameland 108.

Several conventional vertical gas wells are in or near the watershed but no discharge is evident. Several small strip mines once operated in the watershed, but all are reclaimed and have grown good trees or grass. No significant discharges from them are evident. There is no other significant industry or commercial activity within the watershed.
8. All of the watershed is in Chest Township, Cambria County. The contact phone for Chest Township is 814-674-8166 or 814-674-5259. Mr. Mark Lachene is Chair of the Township Supervisors.
9. See map.



WYERROUGH
RUN



Glendale
Lake

Gas Wells

19990518-1450-LMS

C H E S T X

Comm. of PA

One Mile

St Lawrence
Cem

St Lawrence
Lookout Tower

BM 2151

2149

2157

2156

X 2127

X 2105

X 2100

X 2000

X 1900

X 1800

X 1700

X 1600

X 1500

X 1450

X 1400

X 1300

X 1200

X 1100

X 1000

X 900

X 800

X 700

X 600

X 500

X 400

X 300

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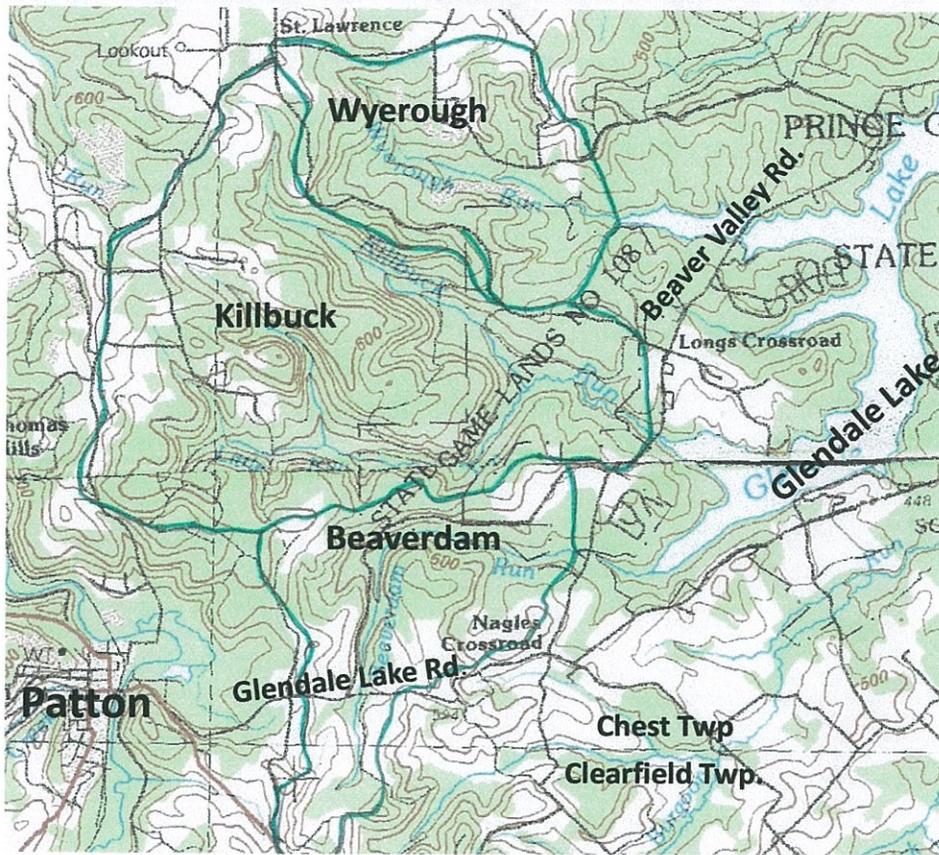
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Glendale Lake Area

Cambria County

Showing Wyerough, Killbuck and Beaverdam

Runs

2 miles

Benthic macroinvertebrate sample summary

Station ID 19990518-1450-LMS

Stream Name Wyerough Run (01191824)

Stream Code 26434

Strahler 2

Survey ID 44055

Sample Method Kick Screen: Statewide Surface Water Assessment Program

Collection Date

Collection Time

Latitude 40.6846909

Longitude -78.5944383

HUC8 02050201

Upper West Branch Susquehanna

Station Location Comments

Site is located on Wyerough Run upstream of Glendale Lake, back small grass road off of Swartz Road about 2.3 miles from intersection with SR 1019 (Coalport quad).

Biology / Physical Habitat Comments

Land Use Comments

Area at site is mostly forested. Some old mines in area, state park downstream.

Impairment Status Comments

Taxa List

Taxa Name	Abundance Category	Abundance Range	PTV	FFG
Baetidae	Present	3-9	6	CG
Heptageniidae	Common	10-24	3	SC
Ephemereillidae	Abundant	25-100	2	CG
Leptophlebiidae	Abundant	25-100	4	CG
Gomphidae	Rare	<3	4	PR
Nemouridae	Present	3-9	2	SH
Leuctridae	Present	3-9	0	SH
Perlidae	Common	10-24	3	PR
Perlodidae	Rare	<3	2	PR
Chloroperlidae	Rare	<3	0	PR
Nigronia	Rare	<3	2	PR
Philopotamidae	Present	3-9	3	FC
Polycentropodidae	Rare	<3	6	FC
Hydropsychidae	Abundant	25-100	5	FC
Rhyacophilidae	Present	3-9	1	SC
Uenoidae	Rare	<3	3	SC
Elmidae	Rare	<3	5	CG
Chironomidae(other)	Present	3-9	6	
Tipulidae	Present	3-9	4	SH
Cambaridae	Rare	<3	6	CG

SSWAP metrics and IBI

	Raw Metric Value	Standardized Metric Value
Total Richness	20	90.9
EPT Richness (PTV 0 - 4)	11	100.0
Beck's Index (version 3)	12	85.7
Hilsenhoff Biotic Index	3.46	88.3
Shannon Diversity	2.32	87.7
SSWAP IBI		90.5

Benthic macroinvertebrate sample summary

Station ID 19990518-1450-LMS

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Strahler 2

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Collection Date

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Upper West Branch Susquehanna

1. Abundance obviously low		N
2. Seven or fewer families		N
3. Three or fewer mayfly individuals (exclude Baetidae, Caenidae, Siphonuridae)		N
4. Stoneflies collectively present	Y	
5. Mayflies and caddisflies collectively abundant (exclude Baetidae, Caenidae, Siphonuridae, Hydropsychidae, Polycentropidae)	N	
6. Jul - Sep: at least four EPT families with tolerance value of 4 or less Nov - May: at least six EPT families with tolerance value of 4 or less	Y	
7. Four or more families with tolerance value of 3 or less	Y	
8. Six or more families with tolerance value of 4 or less	Y	
9. Dominant family with tolerance value of 4 or less	Y	
10. Dominant family with tolerance value greater than 5 (criteria 7 and 8 negate this criterion)		N
11. Seven or more families with tolerance value of 6 or more (criteria 7 and 8 negate this criterion)		N
12. Sample dominated by families with a mean tolerance value of 5 or less	Y	
13. Sample dominated by families with a mean tolerance value of 6 or more		N
14. Embeddedness (or substrate character for pool/glide) + sediment deposition = 24 or less (20 or less for warmwater, low gradient streams)		N
15. Condition of banks + bank vegetation = 24 or less (20 or less for warmwater, low gradient streams)		N
16. Total habitat score 140 or less for forested, coldwater, high gradient streams (120 or less for warmwater, low gradient streams)		N
17a. Special conditions (attaining)	N	
17b. Special conditions (impaired)		N
17c. Special conditons description		

Not impaired Y **Biology impaired** N **Habitat impaired** N **Insufficient data** N

Rock pick influenced assessment N **Impact is localized** N **Re-evaluate designated use** N

Physical Habitat Assessment

Pool/Glide Assessment N

Instream Cover 16	Substrate / Cover 0	Frequency of Riffles 15	Contition of Banks 15
Epifaunal Substrate 15	Velocity/Depth Regimes 10	Channel Sinuosity 15	Bank Vegetation 15
Embeddedness 16	Pool Variability 0	Channel Flow Status 16	Disruptive Pressure 16
Pool Substrate 0	Sediment Deposition 14	Channel Alteration 18	Riparian Zone 17
Instream Score 61	Riparian Score 47	Total Score 183	

Field Measurements

Lab samples

Temperature (°C) 19	Dissolved Oxygen (mg/L) 7.9	Flow (CFS)
pH 5.9	Alkalinity (mg/L as CaCO3)	Conductivity 112

Use Assessment Status for Stream Reach

Designated Use CWF

Existing Use

Aquatic Life Attaining (990824-1350-LMS)

Fish Consumption

Potable Water Supply

Recreation

TMDL Information (if any)

Clearfield Creek (Finalized): AMD - Metals

Begin Date	Meeting Date	Draft Date	End Date	Final Date 4/7/2007
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