

Publicly Funded Mine Discharge Treatment or Abatement Project Information

LAUREL RUN SYSTEMS

	Laurel Run System #1	Laurel Run System #2
General Project Information		
Project Name & #	Laurel Run #1 ?	Laurel Run #2 PA-128
Location: Municipality County	Center Township Indiana	Center Township Indiana
Watershed:	Blacklick Creek	Blacklick Creek
USGS Quad	New Florence	New Florence
Lat	?	40.4941167
Long	?	-79.121944
Contact Info		
Contact Organization:	Blacklick Creek Watershed Association	Blacklick Creek Watershed Association
Contact Person:	Bob Eppley	Bob Eppley
Contact Address:	52 Oakland Ave Homer City, PA 15748	52 Oakland Ave Homer City, PA 15748
Contact Phone Number:	412-289-2857	412-289-2857
Contact email:	eplldr@msn.com	eplldr@msn.com
Organization Currently Responsible For Project Operations, Monitoring and Maintenance	Same as above	Same as above
Site Information		
Who owns the property the project is constructed upon?	PA Game Commission	James Rhine
Driving Directions to the Project Site:		
Special Instructions for entry to the site (gates, keys, notifications, or permissions, etc.)?	The road to the site is gated. Contact the Game Commission for the key.	Road is gated and owner must be contacted. BCWA has a key to the site.
Is there a perpetual access agreement for monitoring and O&M? Y/N	?	?
Is the site accessible by 2WD vehicle? Y/N	Yes	Yes
Was the project completed as part of an overall watershed restoration plan? Y/N	Yes	Yes
Is the plan available electronically?	No	No

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Could you provide the DEP a copy of the plan?	DEP has a copy of it.	DEP has a copy of it.
Is a copy of the plan attached? Y/N	No	No
Project Description (Describe the treatment system including each individual component):	Passive treatment system Pond 1 – VFR A Pond 2 - VFR B Pond 3 – Settling pond/wetland	Sulfate reducing bacteria passive treatment system Pond 1 – VFR A Pond 2 – VFR B Pond 3 – Selling pond Pond 4 - Wetland
Pre-Construction Discharge Flow & Monitoring Data		
Is data available electronically? Y/N	AStream Restoration, Inc. and DEP	Yes
In what format?	?	Excel
Indicate how flow was measured?	?	Unknown
Laboratory used or field kits:	?	DEP Lab & Operation Scarlift
Could you provide this data to the DEP? Y/N	No The DEP should have data.	Yes
Is a copy of the data attached? Y/N	No	No
Pre-Construction Receiving Stream Flow & Monitoring Data		
Is data available electronically? Y/N	Stream Restoration and the DEP	Yes
In What format?	?	Excel
Indicate how flow was measured:	?	Unknown
Indicate laboratory that analyzed samples (or whether field kits were used):	DEP Lab and field tests	DEP Lab & Unknown
Were any biological or fish surveys completed? Y/N	No	Unknown
Could you provide this data to the DEP? Y/N	NA	No
Is a copy of the data attached? Y/N	No	No
Treatment System Design Info & Criteria		

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Who or what firm completed project design? Name Address Phone Email Contact person	Stream Restoration, Inc. 434 Spring Street Ext. Mars, PA 16046 sri@streamrestorationinc.org ?	R. Eppley and L. Robert Kimball & Assoc. 615 W. Highland Ave. Ebensburg, PA 15931 814-472-7700 minned@lrkimball.com Dave Minnear
Are digital photographs of the site before, during and/or after construction available? Y/N	Yes	Yes
Was there a Specific Restoration or Treatment Goal for the treatment system? Y/N	Yes	Yes
If yes, please describe the goal:	Unknown	95% reduction of parameters
What is the Design Flow Rate?	90 gpm	200 gpm
Other design criteria (retention time, acidity loading or removal rate, metals loading or removal rate, alkalinity generation rate, etc.)	?	?
Does the treatment system take all of the flow or is some of the flow bypassed?	All	All
Plans and Specifications:		
As-Bid Project Drawings and Technical Specifications		
Is the information available electronically? Y/N	SRI	L. Robert Kimball & Associates, Inc.
Could you provide the DEP a copy of the plan? Y/N	No	Yes
Is a copy attached? Y/N	No	No
As-Built Drawings		
Is the information available electronically? Y/N	SRI	Yes
Could you provide the DEP a copy of the plan? Y/N	No	Yes – L. Robert Kimball and Associated, Inc.
Is a copy attached? Y/N	No	No
Construction and Project Funding Information		
What year was the project constructed?	?	2005
When (specific date) did project construction begin?	?	6/2005

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When (specific date) was project construction completed?	SRI for info	11/2005
Who was the construction contractor? (Name, address, Phone, email, contact person)	?	Robindale Energy Services 224 Grange Hall Road Amaugh, PA 15920 814-446-6700 ? Jim Panaro
When (specific date) did the treatment system go on-line?	?	11/20/2005
Primary Funding Partners, and funding provided:		
Source	Amount	
Title IV, Appalachian Clean Streams	\$0.00	\$287,021.00
PADEP Growing Greener	\$0.00	\$0.00
10% AMD Set Aside Funds	\$0.00	\$0.00
EPA Section 319	\$0.00	\$0.00
OSM Watershed Cooperative Assistance Program	\$0.00	\$0.00
NRCS	\$0.00	\$0.00
EPA Watershed Protection	\$0.00	\$0.00
USCOE	\$0.00	\$0.00
University	\$0.00	\$0.00
Private/Foundation	\$0.00	\$0.00
How or by whom was treatment system construction funded or other funding not included in the table. (Source, Amount)	?	?
Post Construction Operation, Monitoring and Maintenance		
Is there a sampling and monitoring plan? Y/N	Unknown	Unknown
Is a copy of the plan available electronically? Y/N	Unknown	Unknown
Is a copy of the plan attached? Y/N	No	No
Is treatment system currently being sampled and monitored? Y/N	Yes	Yes
If so, by whom?	Stream Team	DEP
Approximately how many hours per year are spent doing O,M&M for this system?	BCWA – O & M 50 hours/yr	BCWA – O & M 60 hours/yr

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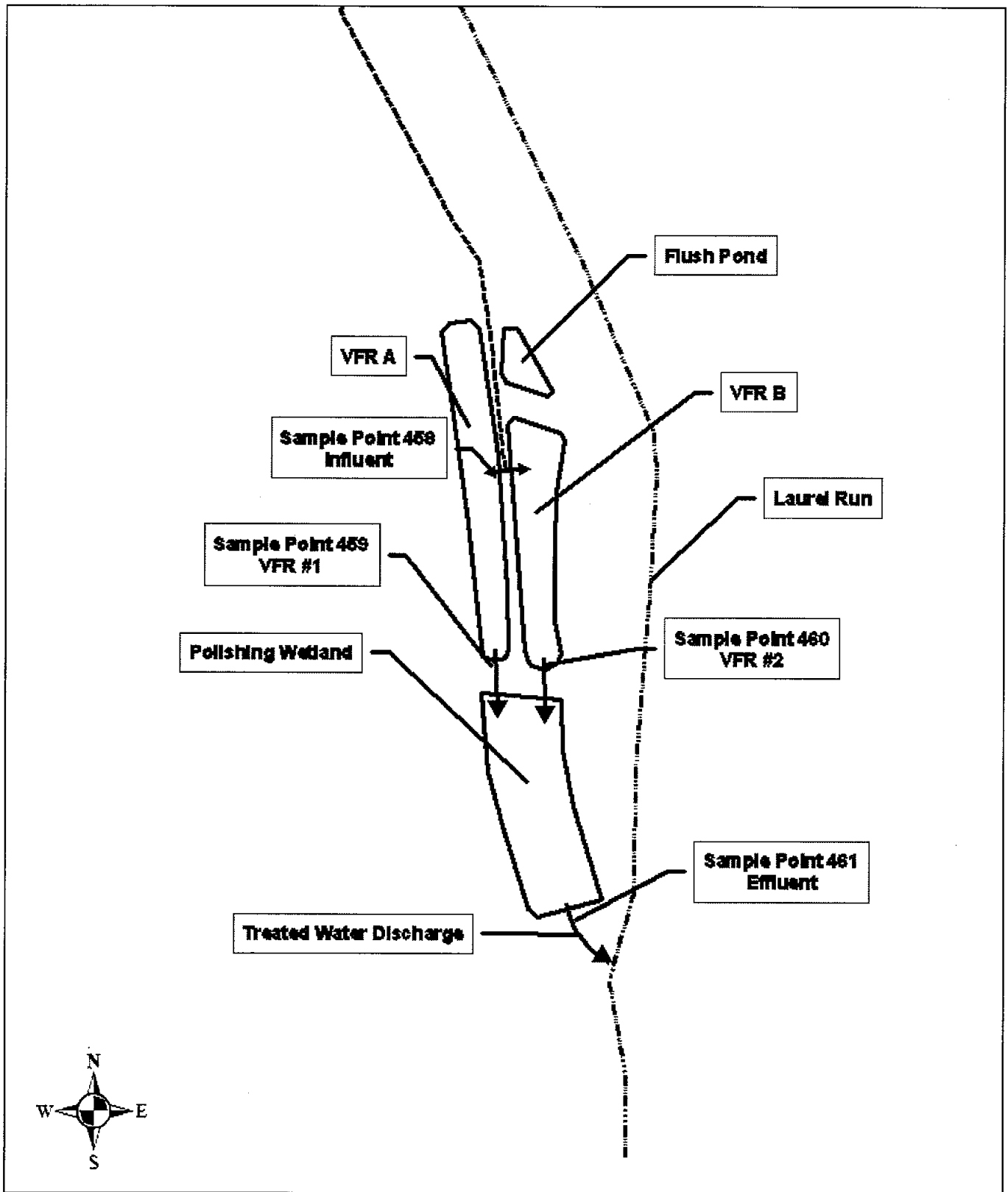
	Laurel Run System #1	Laurel Run System #2
Where are the samples being analyzed? (Name, Address, Phone, email, contact person)	DEP Lab	DEP Lab
If DEP Lab is being used, what is the project ID and the Sample Information System (SIS) monitoring point IDs?	Project Id:KCRBWMN Sequence No.: 458, 459, 460 & 461 Monitoring Point No.:KBLLR1, KBLLR2, KBLLR3, & KBLLR4	Unknown The DEP is monitoring the systems.
Is there an Operation and Maintenance Plan? Y/N	BCWA inspects weekly and measures the pH	BCWA inspects weekly and measures the pH
Is the plan available electronically? Y/N	No	No
Could you provide the DEP a copy of this information? Y/N	No	No
Is a copy of the information attached? Y/N	No	No
Comments on the treatment system:	Has been rebuilt once	Source split to two systems
Post-Construction Discharge Flow and Monitoring Data		
Is the data available electronically? Y/N	Yes	DEP is sampling.
In what format?	Excel	Unknown
Indicate how the flow was measured:	Bucket and stopwatch	Unknown
Could you provide the DEP a copy of this information? Y/N	Yes	DEP has the data.
Is a copy of the information attached? Y/N	No	No
Post-Construction Receiving Stream Flow and Monitoring Data		
Is the data available electronically? Y/N	No	DEP is sampling
In what format?	NA	Excel
Indicate how the flow was measured:	NA	DEP measured the flow
Could you provide the DEP a copy of this information? Y/N	NA	DEP has the info
Is a copy of the information attached? Y/N	No	No
Were any biological or fish surveys that were completed on the receiving stream? Y/N	No	No

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Treatment System Maintenance and /or Rehabilitation		
Has rehabilitation work been performed at the site? Y/N	Yes	No
If yes, please list the rehabilitation activity.	Refurbished the organic layer	NA
If yes, please list the date rehabilitation	June, 2008	NA
If yes, please list the rehab cost.	BCWA provided the funds	NA
What routine or non-routine maintenance issues have arisen since system was put online?	Cracking of organic layer after valves adjusted	None
How was maintenance work funded?	BCWA provided the funds	None
What maintenance is needed or anticipated in the next 1-3 years?	None	None
Other Comments		
Person(s) Completing form:		
Name	Dennis Remy	Dennis Remy
Address	5320 Ferguson Road, Indiana, PA 15701	5320 Ferguson Road, Indiana, PA 15701
Phone	724-349-8597	724-349-8597
Email	Dennir3@comcast.net	Dennir3@comcast.net
Date Completed		
Any other contact?	Bob Eppley	Bob Eppley

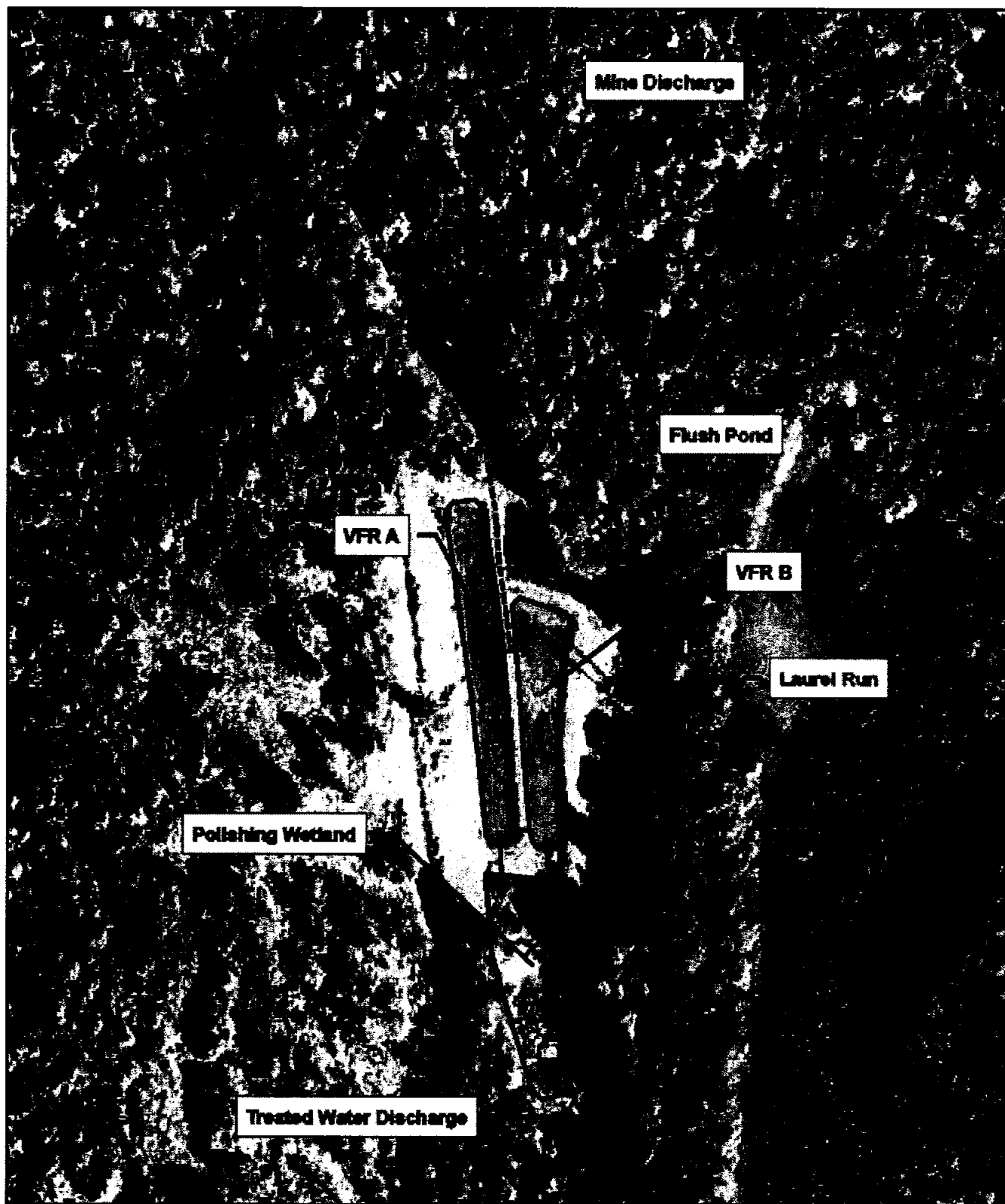
Laurel Run Passive Treatment System #1 Sample Location Map



0 50 100 200 300 400 Feet

Prepared By The Blacklick Creek Watershed Association, 5/08

Laurel Run Passive Treatment System #1 Site Map



0 50 100 200 300 400 Feet

Prepared By The Blacklick Creek Watershed Association, 5/08

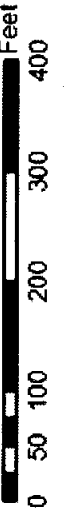
Laurel Run Passive Treatment System #2 Site Map



LEGEND

- Discharge Sample Location
- Treatment Sample Location
- Stream Sample Location

Sample Pt. LR3 is located off the map



Prepared By The Blacklick Creek Watershed Association, 5/8/08