

2012 PA Abandoned Mine Reclamation Conference August 3, 2012

Presented by:
Shaun Busler, GISP
Stream Restoration Inc.

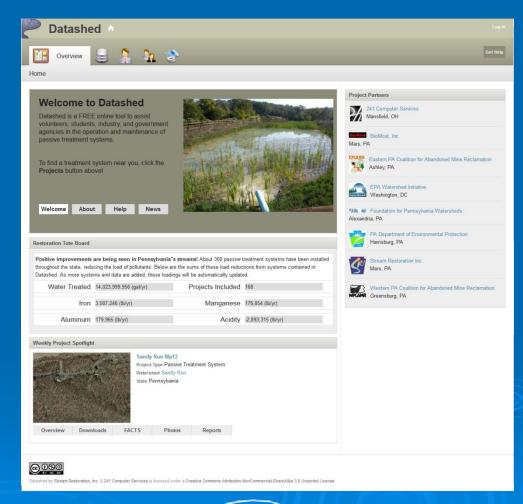
Presentation Outline

- Datashed Intro/Background/History
- II. Live Demo
 - Using Datashed for Finding Information
 - Creating an Account
 - Adding and Editing Project information
- III. Future Updates
- IV. Additional Questions/Help

What is Datashed?

- Datashed is a
 - Web-based
 - GIS-enabled
 - Database

FREE



www.datashed.org

Purpose

- Facilitate O&M and monitoring of passive treatment systems
- Store information relating to watershed restoration efforts
- Assist local watershed groups to maintain & manage their efforts





Background/History

- Began development in 2002
 - 241 Computer Services & Stream Restoration Inc.
 - SRWC volunteers/interns (Grove City College)
- Partnered with:
 - WPCAMR -Funding AMD Chemistry for Treatment
 Systems (FACTS) Program
 - PADEP, BAMR Snapshot and data of publiclyfunded passive systems
 - <u>EPCAMR</u> Education/outreach
 - Foundation for PA Watersheds SIS-Datashed "Link"

What Can Datashed Do?

- Store project information
 - Water quality data
 - Important documents site schematics/drawings,
 O&M plans, inspection forms, final reports, etc
 - Photos (limited number)
- Access to aerial views (Bing)
- > Directions to site
- Limited GIS capabilities
- Triggers (email alerts)

What is the Value of Datashed?

- Watershed Groups
 - Provides database for groups to store their data
 - Don't have to "reinvent the wheel"
 - Easy access to data & documents
 - Not stored on someone's home computer
 - Data backed up daily
 - Education/Outreach
 - Each project has a web page
 - Community has access to info



What is the Value of Datashed?

- Government and Funding Agencies
 - Central location for the management of restoration projects and related data
 - "One-stop-shop" to gather data for reporting program success
 - GG, 319, Foundation for PA Watersheds



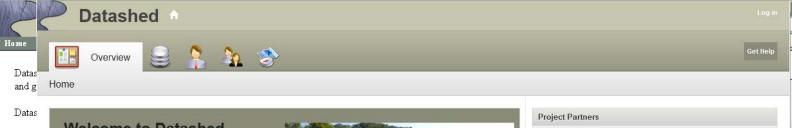
What is the Value of Datashed?

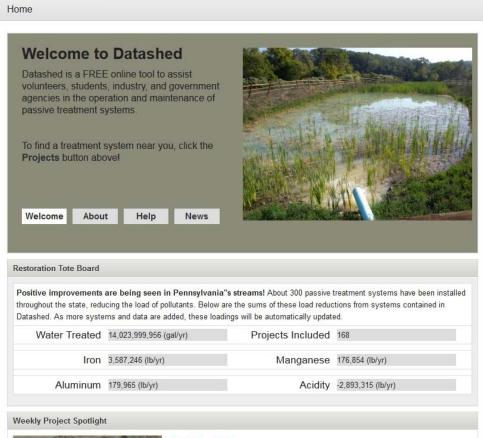
- Researchers, Students, Designers
 - Single, largest-known, publicly-available repository of data related to passive treatment systems
 - Searchable by treatment technology
 - World-wide access

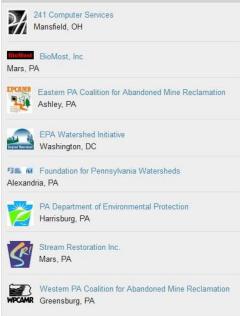


Datashed 2.0

- Web architecture was outdated & needed updated to ensure stability
 - Originally all custom code
 - Converted to Drupal Open Source Content Management System
 - Do not need to start from scratch
 - Large community of programmers providing updates
- Received Growing Greener Grant for updates, uploading of data, training workshops, and providing technical assistance











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Features

- User-friendly
- > 24/7 access to data
- Password-protected
 - Password needed only to upload data
- > GIS-connected
 - No plug-ins needed to view GIS
- Free and Open Source Software (FOSS)



New Features

- Lots of bells and whistles
 - Customize member and organization pages
 - Dashboards
 - User Interface
- > Location
 - PTS project sites
 - Sample points
 - Photos
- New fields
- Quantity of components, funding, and designer
- Maintenance Log

Wiki

- Collection of web pages edited by users
- Datashed "How-To" Tutorials
- > O&M Information
 - Video demonstrating water sampling techniques, O&M tasks, etc.

Sbusler my talk my preferences my watchlist my contributions log out

Datashed Tutorials

Contents [hide]

- 1 Creating a New Project / Stream
- 2 Editing a Project / Stream
- 3 Uploading Project Related Files and Documents
- 4 Uploading Project Photos
- 5 Creating a Sample Point
- 6 Editing a Sample Point
- 7 Changing the order of Sample Points for Tables, Reports, etc.
- 8 Uploading Water Quality Data
- 9 Creating a New Watershed

Go Search

path to your own logo

image.

toolbox

navigation

search

Help Index

FACTS Help

Recent Changes

- What links here
- Related changes
- Upload file
- Special pages
- Printable version
- Permanent link

Creating a New Project / Stream

- 1. Log in
- 2. Click on the Projects Icon
- 3. Click on the "Add Project" button on the far right-hand side of the screen
- 4. A Create Project form will appear. Fill out as much information in this form as you can. Toward the bottom of the form you will see "Project Details" with a "+". Click on the "+" symbol to expand the form. This is where much of the project information is to be entered. Use the "Project Type" to distinguish between Active (Chemical) Treatment, Passive Treatment, Stream, and Site Assessment & Restoration Plan projects. If you don't know something, skip it for now, you can go back and edit it later.
- 5. Once you are done filling out the form, you need to click on the "Save" button to save your information.
- 6. IMPORTANT Once you have created the project, you will need to notify Stream Restoration Inc.

(sri@streamrestorationinc.org ■)so they can allow you access to maintain (edit and upload) additional project data.

Editing a Project / Stream

- 1. Log in
- 2. Find and select the Project or Stream, that you wish to edit. You can either choose your project from your "My Projects" list or find the project through the various search criteria.
- 3. Once you are on the Project Details page of the project, click on the Settings button with the wrench symbol.
- Select Project Settings.
- 5. An edit form will appear with any information that was provided previously, fill out as much information in this form as you can. Only a limited amount of fields are initially displayed. You will need to click on the "+" sign next to "Project Details" to display all of the information fields available. WARNING - do not change the OSM ID for a Treatment System unless you are confident that the number is wrong, this number is used to uniquely identify a project and will be assigned to new projects by



[edit]



edit

Live Demo

www.datashed.org



Passive Treatment Snapshot

- > Funded by PA DEP Growing Greener grants
- > 3 Snapshots:
 - Fall 2009
 - Spring 2010
 - Spring/Summer 2012
- Data uploaded to Datashed





SIS-Datashed "Link"

- SIS Sample Information System
 - PA DEP Water Quality Database
- > Foundation for PA Watersheds
 - Provided funding to develop "link"
- Working with PA DEP
 - Live connection not possible Security risks
 - Data transfer and upload program created
 - To be completed in the near future

Future Upgrades

- Help Section (Wiki)
 - Tutorials
- > Online calculators
- > i-Map
- > Custom graphs, reports, data downloads
- Others? Feel Free to make suggestions



Datashed Workshops

- First workshop was conducted at last years AMR conference
- Offering additional workshops:
 - Located throughout the state
 - Fall 2012 or Spring 2013

Stuck/Questions/Comments?

- > Contact: Cliff Denholm or Shaun Busler
- > Email: sri@streamrestorationinc.org
- > Phone: (724) 776-0161









Overview









Home

Welcome to Datashed

Datashed is a fully-featured, GIS enabled, Internet database designed to assist watershed groups, academic institutions, private industry, and government agencies in the operation and maintenance of passive treatment systems.

Datashed provides public access to the following:

- 1. Important documents, such as O&M inspection sheets, site schematics, "As-Built" drawings, and dynamically-generated location maps;
- 2. Individualized directions to project sites;
- 3. Password-protected data submissions (i.e., upload field measurements and laboratory water sample analyses);
- 4. Interactive GIS map depicting all known passive treatment systems in Pennsylvania;
- 5. Printable monitoring reports and predefined graphs;
- 6. Public access to all water sampling data.

No passwords are necessary to view any of the data stored within the data repository; however, passwords are required to upload or edit data. Sign up for an account if you wish to be able to add or edit projects, documents, and data.

For more information about Datashed, email sri@streamrestorationinc.org.

Restoration Tote Board

Positive improvements are being seen in Pennsylvania's streams! About 300 passive treatment systems have been installed throughout the state, reducing the load of pollutants. Below are the sums of these load reductions from systems contained in Datashed. As more systems and data are added, these loadings will be automatically updated.

Water Treated	13,992,282,342 (gal/yr)	Projects Included	164
Iron	3,606,535 (lb/yr)	Manganese	177,923 (lb/yr)
Aluminum	183,175 (lb/yr)	Acidity	-2,825,518 (lb/yr)

Downloads

FACTS

Weekly Project Spotlight



Title Glenwhite Run - Clearwater
Project Type Passive Treatment System
Watershed Glenwhite Run

Overview

State Pennsylvania

Photos

Project Partners

241 Computer Services Mansfield, OH

BioMost Mars, PA

PCAMR E

Eastern PA Coalition for Abandoned Mine Reclamation

Ashley, PA



EPA Watershed Initiative

💵 🛍 Foundation for Pennsylvania Watersheds



PA Department of Environmental Protection

Harrisburg, PA



Stream Restoration Inc.

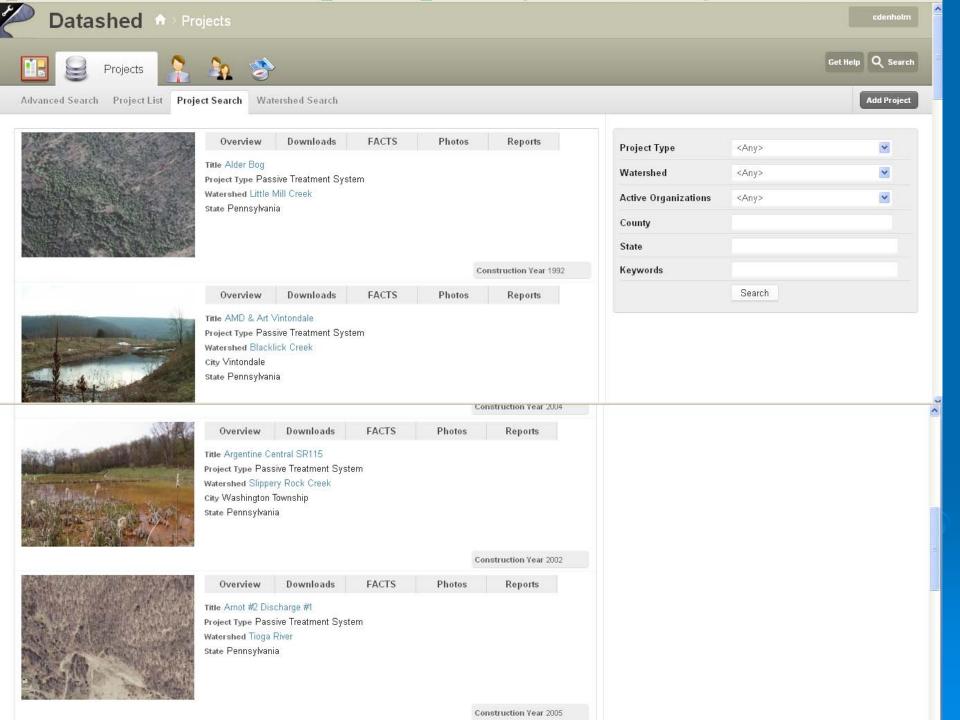
Mars, PA



Western PA Coalition for Abandoned Mine Reclamation

Greensburg, PA

Reports



















Submit Data Q Search

Dashboard

Add custom

Customize dashboard

Project Details

Project De Sale Phase I

Project Type Active Treatment System Watershed Slippery Rock Creek

GPS No

city Venango Township

County Butler State Pennsylvania

Treatment Technologies Aerobic Wetland

Anoxic Collection System

Forebay Settling Ponds

VFP

Horizontal Flow Limestone Bed

Primary Funding Partners In-Kind Contributions from Project Partners

Watershed Restoration and Partnership Act Initiative

Stream Seaton Creek

Description A passive treatment system was installed to treat an abandoned mine discharge emanating from an abandoned surface mine following land reclamation with alkaline circulating fluidized bed coal ash.

> Construction Year 2000 Latitude 41° 8′ 33″ N Longitude 79° 49' 48" W

Water Quality Data Summary

Sample Point	Acidity (mg/L) - Lab	Alkalinity (mg/L) - Field	Alkalinity (mg/L) - Lab	Aluminum (Dissolved) (mg/L) - Lab	Aluminum (Total) (mg/L) - Lab	Dissolved Oxygen (mg/L) - Field	Field Temperature (C) - Field	Flow (gal/min) - Field	Iron (Dissolved) (mg/L) - Lab	Iron (Total) (mg/L) - Lab	Manganese (Dissolved) (mg/L) - Lab	Manganese (Total) (mg/L) - Lab	ORP (mvolts) - Field	pH (S.U.) - Field	рН (S.U.) - Lab	Specific Conductance (umhos/cm) - Lab	Sulfate (mg/L) - Lab	Total Suspended Solids (mg/L) - Lab
RAW	319.59	0	10.99	15.96	12.47	0.38	11.49	38.9	87.95	82.45	53.03	55.48	273.67	4.12	3.8	1802.73	1235.95	55.19
HFLB	-2.14	47.92	80.46	0.15	0.83	6.85	13.04	47.88	0.14	1.09	32.6	31.66	160.38	6.75	6.69	1683.93	1158.83	8.83



Location Links

Map & Directions Aerial Photo

Download Map

External System IDs ID

System -

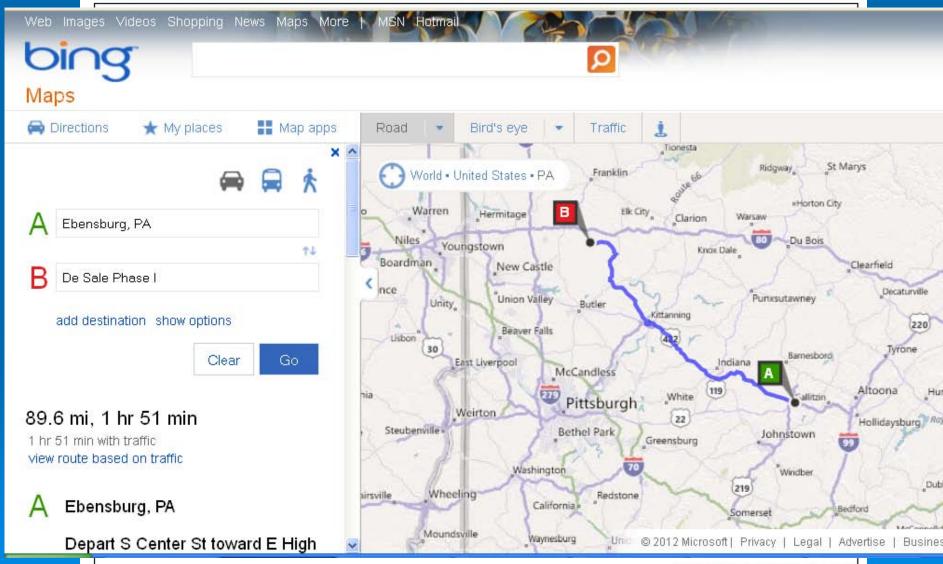
D1-23 Datashed 1.0

PA-113 OSM

Project Performance

Water Treated	19,907,100 (gal/yr)
Alk. Loading	13 (lbs/yr)
Load Reductions	
Iron (Total)	12,225 (lb/yr)
Manganese (Total)	3,570 (lb/yr)
Aluminum (Total)	1,856 (lb/yr)
Acidity	45,445 (lb/yr)

Site Directions, Aerial Photos, & Topo



















Submit Data Q Search

Dashboard

Add custom

Customize dashboard

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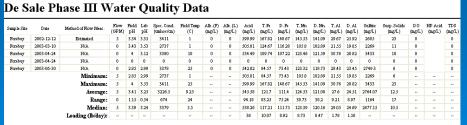
PA-113 OSM

Project Performance

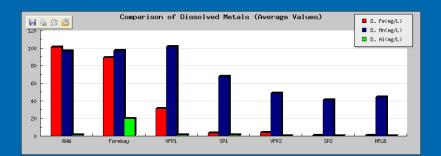
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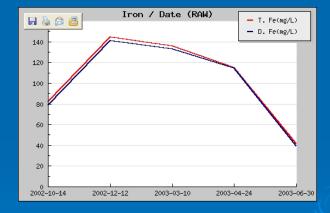
Output

- Dynamic analysis of most current dataset:
 - Reports
 - Statistics
 - Loading reductions
 - Graphs
 - CSV File



^{*} Records with a value of 0 are not included in statistical calculations





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De Sale Phase I Water Quality Report - Forebay S

Date	Method of Flow (NA) - Metadata	Acidity (mg/L) - Lab	Alkalinity (mg/L) - Field	Alkalinity (mg/L) - Lab	Aluminum (Dissolved) (mg/L) - Lab	Aluminum (Total) (mg/L) - Lab	Dissolved Oxygen (mg/L) - Field	Field Temperature (C) - Field	Flow (gal/min) - Field	Iron (Dissolved) (mg/L) - Lab	Iron (Total) (mg/L) - Lab	Manganese (Dissolved) (mg/L) - Lab	Manganese (Total) (mg/L) - Lab	ORP (mvolts) - Field	pH (S.U.) - Field	рН (S.U.) - Lab	Specific Conductance (umhos/cm) - Lab	Sulfate (mg/L) - Lab	Total Suspended Solids (mg/L) - Lab
2006-02-09		187.13			10.84	11.2		3		54.41	54.82	42.64	42.7		3.88	3.57	1543	1182.4	10
2006-03-08		280.03			7.57	9.2		8		70.26	72.57	45.26	45.4		3.72	3.54	1622	1075.6	20
2008-08-06		255.71	0	0		14.79	7.54	24.8	15		21.73		49.45	507	3.14	3.03	1785	728.5	3
2008-11-12		344.55	0	0		11.02	10.85	6.5	12		68.37		52.62		3.17	3.10	2080	1562.2	16
2009-03-31		168.16	0	0		8.86	9.5	10.0	30		36.83		34.58		3.56	3.33	1561	775.2	1
2009-06-25		201.19	0	0		8.40	8.82	25.4	24		38.44		40.84	440	3.35	3.27	1645	853.3	10
2009-06-29		201.19	0	0		8.40	8.82	25.4	24		38.44		40.84	440	3.35	3.27	1645	853.3	10
2009-09-16		248.20	0	0		10.40	7.34	20.5	15		57.86		49.03	466	3.33	3.23	1881	1246.9	16
2009-12-14		275.97	0	0.00		10.19	9.58	7.6	17		71.00		46.79	452	3.52	3.08	1989	1237.9	14
2010-04-15		151.70	0	0		7.88	6.23	17.5	30		51.35		36.27	439	3.69	3.17	1676	1090.6	17
Minir	num:	151.70		0	7.57	7.88	6.23	3	12	54.41	21.73	42.64	34.58	439	3.14	3.03	1543	728.5	1
Maxir	num:	344.55		0	10.84	14.79	10.85	25.4	30	70.26	72.57	45.26	52.62	507	3.88	3.57	2080	1562.2	20
Ave	rage:	231.383		0	9.205	10.034	8.585	14.87	20.9	62.335	51.141	43.95	43.852	457.333	3.4128	3.2274	1742.7	1060.59	11.7
Ra	ange:	192.85		0	3.27	6.91	4.62	22.4	18	15.85	50.84	2.62	18.04	68	0.74	0.54	537	833.7	19
Me	dian:	224.695		0	9.205	9.695	8.82	13.75	20.5	62.335	53.085	43.95	44.05	446			1660.5	1083.1	12
Loading (lb/	day):	53.4565		0		2.3831					11.5677		10.4848						

Sample Point Description: Efflunet of Forebay before flowing into southern Vertical Flow Pond (VFPS).

- 1. Records with no value are not included in statistical calculations.
- 2. Values lower than the minimum detection limit are assumed to be 0.
- 3. Median pH values are not shown because median pH is so easily misinterpreted.
- 4. Average pH is not calculated as a mean of pH values, but rather a mean of hydronium ion concentration.
- 5. Dissolved metals used for calculated acidity values when available. Acidities calculated from total metals may be exaggerated.

Download data as CSV spreadsheet

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3 6	≥ □ □ □	- X E	№ Samp		E - 2↓ ;	計画學1	00% • [7]	. Arial		• 10 •	B 1 1	三三 三 三	\$%,	温福 建	伊田・ウ	· <u>A</u> · .	
	A	В	C	D	E	F	G	Н	1	J	K	L	М	N	0	Р	O.
1		-	Method of		Field pH	Lab pH		Field Tem	Field Alka	and the second	Acidity	Iron			- Interest	Aluminum	
2	3	3/10/2003	0	0		3.53	2737	1	0	0	505.81	124.67	116.28	105.8	102.89	21.55	
3	3	4/24/2003	0	0		3.12	3380	10	0	0	534.49	109.74	107.22	123.46	121.59	30.76	
	3		0	. 0	- 0.0	0	0		0	0	0	0	0		0		
	3	6/30/2003	0	0		2.99	3378	25	0	0	542.02	84.57	73.43	123.32	118.73	28.43	
		12/12/2002	5	0		0	0		65	0	0	0	0	0	0	1,540,550	
	8	3/10/2003	2	30		7.08	1525	0	63	69.71	7.68	0.23	0.09	38.46	38.03	0.27	
	8	4/24/2003	2	10		7.03	2555	12	70	66.39	80.8	1.07	0.12	73.89	72.91	0.14	
)	8	6/30/2003	3	7	27/11/02	7.09	2518	20	67	63.74	41.82	2.64	2.05	69.25	65.51	0.13	
0		10/14/2002	0	0	7.100	2.85	3082	15	0	0	421.7	81.83	78.31	110.6	109.12	1.88	
1		12/12/2002	0	0	-	3.04	3160	0	0	0	497.1	144.57	140.79	119.78	117.18	1.51	
>	9	3/10/2003	0	0	3.19	3.56	2227	1	0	0	411.27	135.98	132.94	78.55	78.04	0.59	
3	9	4/24/2003	.0	0		3.05	2742	11	0	0	411.88	115.02	114.63	96.39	95.3		
	9	6/30/2003	0	0	2.55	2.78	2656	25	0	0	330.05	41.44	38.99	83.65	82.36	1.12	
	5	12/12/2002	4	5		6.52	2287	1	0	43.57	49.15	0.88	0.37	53.49	48.76	0.18	
	5	3/10/2003	0	0		5.3	1445	1	0	5.05	83.22	9.26	7.32	42.68	41.97	3.2	
	5		0	0		6.25	2865	10	0	22.13	164.02	5.46	4.01	93.62	85.43	0.51	
	5	6/30/2003	0	0		4.82	2715		0	1.81	141.46	1.02	0.37	96.25	94.57	1.7	
	7	12/12/2002	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
)	7	3/10/2003	0	0	6.55	7.01	1463	1	0	58.99	-1.82	0.88	0.6	38.92	38.05	0.51	
	7		0	0		6.73	2611	9	0	53.36	97.97	6.29	0.48	76.26	71.06	0.21	
	7		0	0	7.47	8.08	2475	25	0	37.62	51.87	2.17	0.11	68.62	54.59	0.15	
	4	12/12/2002	3	5		6.35	3820	3	139	114.89	164.18	35.98	33.02	151.91	149.75	1.52	
	4	3/10/2003	2	16	5.8	5.8	1245	0	20	11.98	52.12	4.87	1.92	35.93	35.93	3.48	
	4	4/24/2003	2	11	6.2	5.78	3113	12	79	28.81	165.84	25.26	21.6	108.6	106.47	4.07	
	4	6/30/2003	3	11	6.03	5.9	3162	22	81	39.98	195.57	69.69	68.27	116.5	113.55	4.82	
		12/12/2002	5	0	0	0	0		0	0	0	0	0		0		
è	6	3/10/2003	2	29	6.7	6.94	1450	0	60	64.38	-18.18	0.57	0.32	38.66	38.07	0.36	
,	6	4/24/2003	2	15	6.8	6.51	2610	12	71	51.96	100.19	13.63	12.81	80.36	76.53	0.11	
	6	6/30/2003	3	8		6.8	2577	21.8	102	91	41.21	2.68	1.76	80.6	80.3	0.08	
N																	
5																	
3																	
3																	



















Submit Data Q Search

Customize dashboard

Dashboard

Add custom

Project Details

Project De Sale Phase I

Project Type Active Treatment System Watershed Slippery Rock Creek

GPS No

city Venango Township County Butler

State Pennsylvania

Treatment Technologies Aerobic Wetland

Anoxic Collection System

Forebay Settling Ponds

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Water Quality Data Summary

Sample Point	Acidity (mg/L) - Lab	Alkalinity (mg/L) - Field	Alkalinity (mg/L) - Lab	Aluminum (Dissolved) (mg/L) - Lab	Aluminum (Total) (mg/L) - Lab	Dissolved Oxygen (mg/L) - Field	Field Temperature (C) - Field	Flow (gal/min) - Field	Iron (Dissolved) (mg/L) - Lab	Iron (Total) (mg/L) - Lab	Manganese (Dissolved) (mg/L) - Lab	Manganese (Total) (mg/L) - Lab	ORP (mvolts) - Field	pH (S.U.) - Field	рН (S.U.) - Lab	Specific Conductance (umhos/cm) - Lab	Sulfate (mg/L) - Lab	Total Suspended Solids (mg/L) - Lab
RAW	319.59	0	10.99	15.96	12.47	0.38	11.49	38.9	87.95	82.45	53.03	55.48	273.67	4.12	3.8	1802.73	1235.95	55.19
HFLB	-2.14	47.92	80.46	0.15	0.83	6.85	13.04	47.88	0.14	1.09	32.6	31.66	160.38	6.75	6.69	1683.93	1158.83	8.83



Location Links

Map & Directions Aerial Photo

Download Map

External System IDs ID

> Datashed 1.0 D1-23

System -

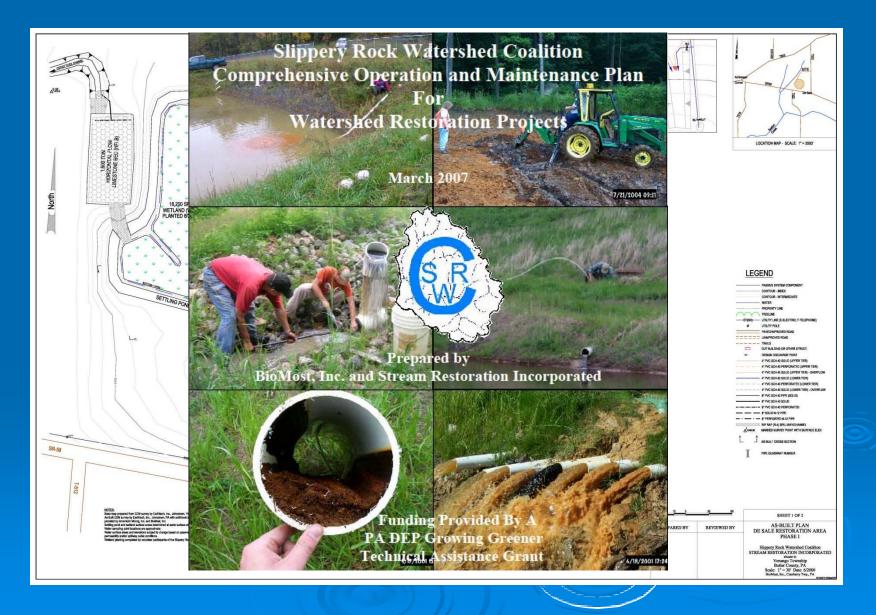
PA-113 OSM

Project Performance

Water Treated	19,907,100 (gal/yr)	
Alk. Loading	13 (lbs/yr)	
Load Reductions		
Iron (Total)	12,225 (lb/yr)	
Manganese (Total)	3,570 (lb/yr)	
Aluminum (Total)	1,856 (lb/yr)	
Acidity	45,445 (lb/yr)	

Downloads

Allows anyone to download:



















Submit Data Q Search

Dashboard

Add custom

Customize dashboard

Project Details

Project De Sale Phase I

Project Type Active Treatment System Watershed Slippery Rock Creek

GPS No

city Venango Township

County Butler State Pennsylvania

Treatment Technologies Aerobic Wetland

Anoxic Collection System

Forebay Settling Ponds

VFP

Horizontal Flow Limestone Bed

Primary Funding Partners In-Kind Contributions from Project Partners

Watershed Restoration and Partnership Act Initiative

Stream Seaton Creek

Description A passive treatment system was installed to treat an abandoned mine discharge emanating from an abandoned surface mine following land reclamation with alkaline circulating fluidized bed coal ash.

> Construction Year 2000 Latitude 41° 8′ 33″ N Longitude 79° 49' 48" W

Water Quality Data Summary

Sample Point	Acidity (mg/L) - Lab	Alkalinity (mg/L) - Field	Alkalinity (mg/L) - Lab	Aluminum (Dissolved) (mg/L) - Lab	Aluminum (Total) (mg/L) - Lab	Dissolved Oxygen (mg/L) - Field	Field Temperature (C) - Field	Flow (gal/min) - Field	Iron (Dissolved) (mg/L) - Lab	Iron (Total) (mg/L) - Lab	Manganese (Dissolved) (mg/L) - Lab	Manganese (Total) (mg/L) - Lab	ORP (mvolts) - Field	pH (S.U.) - Field	рН (S.U.) - Lab	Specific Conductance (umhos/cm) - Lab	Sulfate (mg/L) - Lab	Total Suspended Solids (mg/L) - Lab
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D1-23 Datashed 1.0

PA-113 OSM

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O&M Forms

Datashed :: Projects

log out of Datashed.

Inspected by: Organization:	=			Municipali County:	y: Venang Butler	jo Township	State: PA	OPERATION AND MAINTENANCE INSPECTION REPORT FOR DE SALE I PASSIVE TREATMENT SYSTEM
Time Start	_	End:		Project Co		41 08'3		Inspection Date: Jan 01 2001
Receiving Stre		Innamed Tribu	tary	_	shed: Seaton		Watershed: Slippery Rock	Inspected By:
Weather (circ		now Heavy F	ain Rain	Light Rain	Overcast Fair	Sunny Tem	p(°F): ≤32 33-40 41-50 51-60 60+	Organization:
		Yes/No If yes			CYCICAST TAI	rounny roun	17	Start Time (Military Time):
TO THOM TO THOU	o required.	100110 11 100	, promoc o	pronoutri.				End Time (Military Time):
				INSDE	TION SUMMAR	v		and time (surray time):
A Site Venet	ation (Unlar	ds and Associ	ated Slone		TION SOMMAN	_		Weather: Fair or Sunny
_		tion on site: 0			n=noor 5=evoe	llent circle one	(See instructions.)	Temperature (F) <32
Overall contra	on or regera	non on and. V	1 2 0	4 0	(v-poor, o-exce	non, once one	(See insucciona)	
ls any reseedir	ng required?	Yes/No If ye	s, describe	area size and	dentify location of	n Site Schema	ic:	Is maintenance required? No
								If yes, provide explanation:
B. Site Acces		ng e for operation a	and monitori	nn? Ves/No?				
Does the acce	ss road need	maintenance?	Yes/No?					A. Site Vegetation (Uplands and Associated Slopes)
Describe main	tenance per	ormed and rema	aining (Iden	ify location on	Site Schematic.)			
								Overall condition of vegetation: 4
								Is any reseeding required? No
C. Vandalism	and "House	keeping.						If yes, describe area size and identify location on Site Schematic:
					as the litter picke			
		onsidered hazar ism to the passi			quires special dis	posal? ? Yes/	No?	
Additional com		ioni to trio passi	io ayaidiiii	103/1407				B. Site Access and Parking
D. Ditches, C	hannels, Sp	illways						
		Erosion				Mainten	ance Performed and Remaining	Is the access road passable for operation and monitoring?
Channel Iden	tification	Rills (Y/N)	Prese (Y/N)			(Indicate dit	ch or spillway by number i.e. 1c= WL)	Does the access road need maintenance? No
1. Rock-Lined	Spillways	1,,,,,	1,,,,,,	,,,,,				Describe maintenenace performed and remaining (identify location on site schematic):
a. VFPN								schemanc):
b. VFPS								
c. WL								
d. HFLB			_		_			
2. Diversion D	itch							C. Vandalism and Housekeeping
E. Passive Tr	reatment Sy	stem Compone	nts					
	Erosion		getation	Siltation	Water Level	Valves	Maintenance Performed and Remainir	Is there litter around or in the passive system? No
Component	Rills (Y/N)	Stable Su (Y/N)	(Y/N)	Significant (Y/N)	Change (Y/N)	Operable (Y/N)	Indicate which component i.e. VFPN	If Yes, was the litter picked up?
Forebay	1,	\ <i>\</i>	1/	1.714	1.77	NA NA		Check the box if there is litter that may be considered hazardous or dangerous
VFPN								requiring special disposal? Is there any evidence of vandalism to the passive system?
VFPS								Additional comments:
WL						NA		
HFLB						NA		
Other (Such ~	e flow enlitte	hoviseuge wa	ler flowing o	ver HELB om	rgency spillway,	hroken nines o	(r) -	L.
Other formit at	a now spiller	DOXIDOUGO, Wa	or nowing o	TO THE LED CHIR	густьу эршийу,	or owerr pipes, e		D. Ditches, Channels, and Spillways
	7							Check the box if Yes
								Ditches, Channels, Spillways

Rev 01/2007

De Sale Restoration Area - Phase I

Inspection Date

Overview









Home

Welcome to Datashed

Datashed is a fully-featured, GIS enabled, Internet database designed to assist watershed groups, academic institutions, private industry, and government agencies in the operation and maintenance of passive treatment systems.

Datashed provides public access to the following:

- 1. Important documents, such as O&M inspection sheets, site schematics, "As-Built" drawings, and dynamically-generated location maps;
- 2. Individualized directions to project sites;
- 3. Password-protected data submissions (i.e., upload field measurements and laboratory water sample analyses);
- 4. Interactive GIS map depicting all known passive treatment systems in Pennsylvania;
- 5. Printable monitoring reports and predefined graphs;
- 6. Public access to all water sampling data.

No passwords are necessary to view any of the data stored within the data repository; however, passwords are required to upload or edit data. Sign up for an account if you wish to be able to add or edit projects, documents, and data.

For more information about Datashed, email sri@streamrestorationinc.org.

Restoration Tote Board

Positive improvements are being seen in Pennsylvania's streams! About 300 passive treatment systems have been installed throughout the state, reducing the load of pollutants. Below are the sums of these load reductions from systems contained in Datashed. As more systems and data are added, these loadings will be automatically updated.

Water Treated	13,992,282,342 (gal/yr)	Projects Included	164
Iron	3,606,535 (lb/yr)	Manganese	177,923 (lb/yr)
Aluminum	183,175 (lb/yr)	Acidity	-2,825,518 (lb/yr)

Weekly Project Spotlight



Overview Downloads FACTS Photos Reports

Title Glenwhite Run - Clearwater
Project Type Passive Treatment System
Watershed Glenwhite Run
State Pennsylvania

Project Partners



BioMost Mars, PA

EPCAMR

Eastern PA Coalition for Abandoned Mine Reclamation

Ashley, PA



EPA Watershed Initiative

☐ Foundation for Pennsylvania Watersheds



PA Department of Environmental Protection

Harrisburg, PA



Stream Restoration Inc.

Mars, PA



Western PA Coalition for Abandoned Mine Reclamation

Greensburg, PA



Datashed :: i-Map

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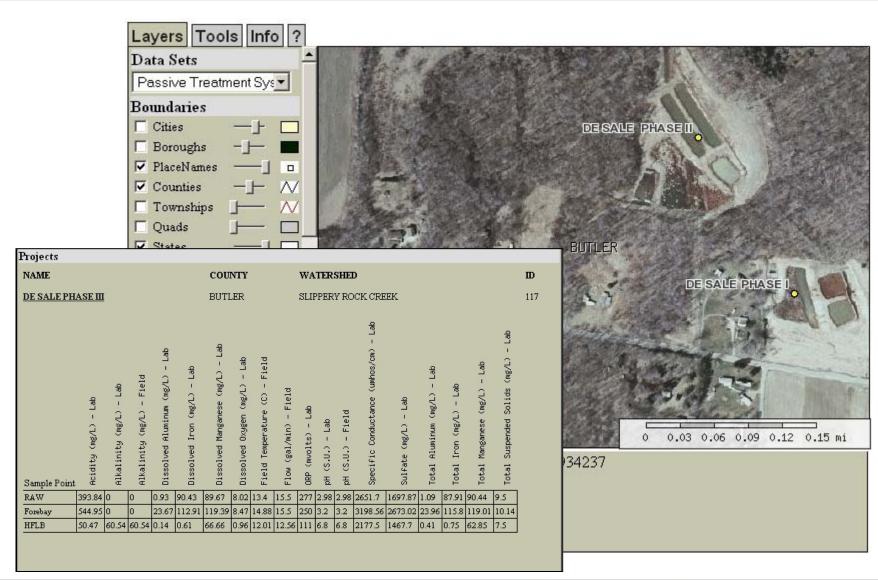
Login

Email: sri@streamrestorationinc.org

Password: Login

Home > iMap

iMap







Overview









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Downloads

FACTS

Weekly Project Spotlight



Title Glenwhite Run - Clearwater
Project Type Passive Treatment System
Watershed Glenwhite Run

Overview

State Pennsylvania

Photos

Project Partners

241 Computer Services Mansfield, OH

BioMost Mars, PA

PCAMR E

Eastern PA Coalition for Abandoned Mine Reclamation

Ashley, PA



EPA Watershed Initiative

💵 🛍 Foundation for Pennsylvania Watersheds



PA Department of Environmental Protection

Harrisburg, PA



Stream Restoration Inc.

Mars, PA



Western PA Coalition for Abandoned Mine Reclamation

Greensburg, PA

Reports





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FACTS

FACTS: Funding AMD Chemistry for Treatment Systems



The FACTS Program & (Funding AMD Chemistry for Treatment Systems) provides free chemical analyses to monitor passive abandoned mine drainage treatment systems. The program uses Datashed to make the systems' data available to the public, and to streamline the transfer of analysis results from laboratories.



The FACTS Program is administered by the Western Pennsylvania Coalition for Abandoned Mine Reclamation & (WPCAMR).

Nonprofit watershed groups, county conservation districts, local governments, and RC&D councils in Pennsylvania can apply to the Program online at www.wpcamr.org/facts &.

Using Datashed with the FACTS Program to store sampling data

Upon admission to the FACTS Program, a passive treatment system is prescribed a monitoring plan, which includes sampling points, analytes, and sampling dates. These are managed on Datashed's FACTS Sessions page.

Watershed Groups and Volunteers

Upon collecting a water sample, a volunteer must send bottles to the laboratory and submit field data to Datashed:

Instructions for Field Volunteers

Laboratories

Under the FACTS Program, all water samples sent to laboratory are labeled on the bottle with a Bottle Number and Sample ID. Datashed uses these numbers to track water samples through the laboratory analysis process.

When processing water samples, labs need to interact with Datashed at two points:

- 1. Mark bottles received when checked in by laboratory
- 2. Submit data after chemical tests



1 Creating a New Project / Stream

- Contents [hide]
 - 2 Editing a Project / Stream

4 Uploading Project Photos

- 3 Uploading Project Related Files and Documents
- 5 Creating a Sample Point
- 6 Editing a Sample Point 7 Uploading Data
- 8 Creating a New Watershed

Creating a New Project / Stream

[edit]

- 1. Log in
- Click on the Projects Icon
- 3. Click on the "Add Project" button on the far right-hand side of the screen
- form. This is where much of the project information is to be entered. Use the "Project Type" to distinguish between Active (Chemical) Treatment, Passive Treatment, Stream, and Site Assessment & Restoration Plan projects. If you don't know something, skip it for now, you can go back and edit it later.
- Once you are done filling out the form, you need to click on the "Save" button to save your information.

6. IMPORTANT - Once you have created the project, you will need to notify Stream Restoration Inc. (sri@streamrestorationinc.org 🖃)so they can allow you access to maintain (edit and upload) additional project data.

[edit]

Editing a Project / Stream

1. Log in

- 2. Find and select the Project or Stream, that you wish to edit. You can either choose your project from your "My Projects" list or find the project through the various search criteria.
- 3. Once you are on the Project Details page of the project, click on the Settings button with the wrench symbol.
- 4. Select Project Settings.
- 4. An edit form will appear with any information that was provided previously, fill out as much information in this form as you can. Only a limited amount of fields are initially displayed. You will need to click on the "+" sign next to "Project Details" to display all of the information fields available. WARNING - do not change the OSM ID for a Treatment System unless you are confident that the number is

4. A Create Project form will appear. Fill out as much information in this form as you can. Toward the bottom of the form you will see "Project Details" with a "+". Click on the "+" symbol to expand the

wrong, this number is used to uniquely identify a project and will be assigned to new projects by the site administrator. 5. Once you are finished, click on the Save button at the bottom of the form.

Uploading Project Related Files and Documents

[edit]

- 1. Log in
- 2. Find and select the Project or Stream, that you wish to add project related files or documents. You can either choose your project from your "My Projects" list or find the project through the various search criteria.
- 3. Once you are on the Project Details page of the project, click on the Downloads Icon (disc drive with green arrow).