Headwaters RC&D
Sinnemahoning Stakeholders Committee

Accomplishments Worksheets

Project Name _____

Project Number _____ County _____

Date Prepared _____/_____/_____ (month/day/year)

Project Type *(check all that apply)*

☐ Organization of a Watershed Group *(fill out Sheet A*)*

Watershed Assessments and Development of Restoration and/or Protection Plan
(check all that apply and fill out sheet B)*

- ☐ AML/AMD
- ☐ Non-Point Source
- ☐ Assessment
- ☐ Development of Restoration Plan
- ☐ Development of Protection Plan

Implementation of Watershed Restoration and/or Protection Project
(check all that apply and fill out Sheets C, D, E, F, and G)*

- ☐ AML/AMD
- ☐ Oil and Gas
- ☐ Non-Point Source
- ☐ Restoration
- ☐ Protection

☐ Demonstration *(fill out Sheet H*)*

☐ Education/Outreach *(fill out Sheet I*)*

*Please fill out all the appropriate information on the sheets corresponding to your project type. Leave blank any sheets or information on the sheets that do not apply to your specific project. If you have any questions call Headwaters RC&D Sinnemahoning Stakeholders Committee at 814-486-9354.

Organization of a Watershed Group

Name of Group _____

Watershed Area _____ Acres

Membership _____ Number

Meetings Held _____ Number Held

_____ Attendance

Mission Defined ☐ Yes ☐ No

Incorporation ☐ Yes _____ Date

☐ Applied _____ Date

☐ No

Non-Profit Status ☐ Yes _____ Date

☐ Applied _____ Date

☐ No

Officers Elected ☐ Yes ☐ No

Strategic Plan Developed ☐ Yes ☐ No _____ Date

Newsletter _____ Number Printed

Brochures _____ Number Printed

Webpage _____ Web Address

Other Outreach ☐ Describe in Narrative

Describe Activities to date for your organization:

Watershed Assessments and Development of Watershed Restoration and/or Protection Plans

Area Assessed _____ acres

Stream Reach _____ feet

☐ Data Gathered _____ briefly describe

☐ Monitoring Measurements _____ type

☐ Maps Developed _____ number/type

☐ Surveys Completed _____ type

☐ Fish Identified _____ species

☐ Macroinvertebrates Identified _____ species

☐ Riparian Buffers Restored _____ feet planned

☐ Riparian Buffers Protected _____ feet planned

Stations Monitored: Chemistry _____ #/frequency

Biology _____ #/frequency

Problems Identified: ☐ AMD ☐ Trash ☐ Point Source Pollutants

☐ Erosion & Sedimentation ☐ Stormwater ☐ Temperature

303D Listed ☐ Yes ☐ No

Chapter 93 designation _____

☐ Nutrient Assessed _____ list below

☐ Frequency of Monitoring _____ describe

☐ Stream Corridors Restored _____ feet planned

☐ Stream Corridors Protected _____ feet planned

☐ Education/Outreach _____ describe

☐ TMDL Completed _____ describe

☐ Public Input _____ describe

Sheet B

Describe your project activities to date:

Receiving Stream _____ name/location

Receiving Stream Benefits

Upstream Quality		Downstream Quality	
Before	**After**	**Before**	**After**
Iron _____	_____ mg/L	Iron _____	_____ mg/L
pH _____	_____ S.U.	pH _____	_____ S.U.
Acid _____	_____ mg/L as $CaCO_3$	Acid _____	_____ mg/L as $CaCO_3$
Alk _____	_____ mg/L as $CaCO_3$	Alk _____	_____ mg/L as $CaCO_3$
Al _____	_____ mg/L	Al _____	_____ mg/L
Mn _____	_____ mg/L	Mn _____	_____ Mg/L

AMD Treatment

☐ Anoxic Limestone Drain _____ tons Limestone(LS)

☐ Successive Alkalinity Producing System (SAP)
_____ tons (LS) _____ tons organic matter

☐ Wetlands _____ aerobic acres
_____ anaerobic acres

☐ Diversion Wells _____ #
_____ total LS capacity

☐ Settling Ponds _____# _____ capacity (gpm)

☐ Limestone Channel _____ ft. OLC _____ft. MOLC

☐ Limestone Dosing/Dumping _____ tons LS

☐ Reverse Alkalinity Producing Systems _____#

☐ Bactericide Remediation _____ lbs/acre

☐ Beneficial Use of Dredged Material _____ tons

☐ Manganese Oxidizing Bacteria Systems _____ #

Total Treated Flow Rate

_____ gpm average _____ gpm high

Predicted lifespan of system _____ years

Sludge Capacity _____ years

Contaminants removed/Contained by system (average)

Iron _____ ppd Al _____ ppd

Mn _____ ppd Acid _____ ppd

Excess Alkalinity added _____ ppd

pH change _____ influent _____ effluent

AML

☐ Openings Closed _____#

☐ High Walls Removed _____ Feet

☐ Land Remined _____ Acres

☐ Wildlife Habitat Improved _____ Acres

☐ Trees Planted _____ #

☐ Sealing Mine Portals _____ #
_____ wet or dry seal

☐ Revegetation _____ acres

☐ Grout Injection _____ tons

☐ Mine Capping _____ acres

Oil and Gas

Wells Plugged _____ #

Total Flow Before _____ gpm

Total Flow After _____ gpm

Contaminants Removed/Prevented

Iron _____ (ppd) pounds per day

Acidity _____ (ppd)

Alkalinity _____ (ppd)

Wildlife Habitat Created _____ acres

Describe Activities to Date:

Sheet C

Name of Project: _____

Non-Point Agricultural

Farmstead/Barnyard

Manure Storages:

	Number	Cubic Feet	AEUs
Dairy			
Beef			
Swine			
Poultry			
Latitude		Longitude	

Barnyard runoff controls:

Built with manure storage _____ number

Built without manure storage _____ number

Curbing _____ feet

Roof Gutters _____ feet

Buffer Strips _____ feet

Other (Describe)

Upland

Soil Conservation Plans Developed

On conventional cropland _____ acres

On hayland _____ acres

On pasture _____ acres

Grazing land _____ acres protected

No till _____ acres protected

Cover crops planted _____ acres planted

Nutrient management plans _____ acres

Waterways _____ feet

Diversions/Terraces _____ feet

Pesticide management _____ acres

Wildlife land improved _____ acres

Woodland improved _____ acres

Stream Fencing _____ feet

Stabilized Crossings _____ #

Latitude _____ Longitude _____

Streams/Wetlands

Measures on Separate pages

Sheet D

Describe your implementation activities to date:

Name of Project: _____

Non-Point Other

Stormwater

Latitude _____ Longitude _____

Extended dry detention basin	_____ number	_____ drainage area	Sediment Ponds	_____	number
Wet detention pond	_____ number	_____ drainage area	Septic Pumping	_____	number
Conversion of dry retention to wet	_____ number	_____ drainage area	Home Septic		
Pond-wetland system	_____ number	_____ drainage area	Denitrification installed	_____	number
Stormwater wetland	_____ number	_____ drainage area	Septic systems connected		
Sand Filter	_____ number	_____ drainage area	to WWTP POTW	_____	number
Infiltration Swale	_____ number	_____ drainage area	Nutrient Management	_____	acres
Porous Pavement	_____ number	_____ drainage area	Dirt/Gravel Road Maintenance	_____	feet
Roof Water Management	_____ number	_____ drainage area	Road Bank Stabilized	_____	ft^2

Operation & Maintenance (describe below)

Other (describe below)

Other BMP

Measures on separate pages

Streams/Wetlands

Sheet E

Describe your implementation activities to date: (Advise if your improvements are new construction, replacements, or changes to existing systems)

Streams

Name of Project: _____ **303D Listed** ☐ Yes ☐ No

Chapter 93 Designation
☐ WWF ☐ CWF ☐ TSF
☐ HQ ☐ EV

Riparian buffers installed _____ length (ft) _____
avg width (ft) _____ _____ type (trees, shrubs, grasses)
(Report both sides of stream if appropriate)

Latitude _____ Longitude _____

Prior land use where established _____ type

Filter Strips installed _____ length (ft) _____ avg width (ft)

Land use where established _____ type

Stream bank protection with fencing _____ length (ft) _____ avg. width (FT)

Stream bank protection without fencing _____ length (ft) _____ avg. width (FT)

Barerooted plantings ☐ _____ type/species (trees, shrubs, grasses)

Container grown plants ☐ _____ type/species (trees, shrubs, grasses)

Protected root stock ☐ _____ type/species (trees, shrubs, grasses)

Weed control ☐ _____ type/species (trees, shrubs, grasses)

Invasive species removed ☐ _____ type/species (trees, shrubs, grasses)

Dams removed _____ number _____ length (ft) _____ height (ft)

Fluvial Geomorphology (FGM) _____ (ft)

Stream channel restoration _____ length (ft)

Fish structures _____ number _____ type

Rootwads ☐ _____ length

J-hook vanes _____ ☐ _____ number

Trash removed _____ tons _____ number of sites

Protection Measures Implemented (describe below)

Please describe activities to date: (include sources of technical assistance)

Sheet F

Wetlands

Existing Site Conditions

Are wetlands present on the site? ☐ Yes ☐ No

If present, what are the types and acreages:

Type:	Size:
☐ PEM (palustrine emergent)	
☐ PSS (palustrine scrub/shrub)	
☐ PFO (palustrine forested)	
☐ POW (palustrine open water)	
Total Size:	

Are any water course(s) affected by the project? ☐ Yes ☐ No

If affected, what are the Ch. 93 Classification(s):

☐ WWF (Warm Water Fishery) ☐ CWF (Cold Water Fishery) ☐ TSF (Trout Stocks) ☐ HQ (High Quality) ☐ EV (Exceptional Value)

What is the contributing drainage area to the wetland project (in acres)?

_____ acres

What is the predominant land use in the contributing drainage area?

_____

Are prior Converted Wetlands Areas Present? ☐ Yes ☐ No

Sheet G

Wetland Protection/Restoration/Creation Projects

Hydrogeomorphic Classification of Wetland
(stream areas are considered riverine):

Existing Wetland Acreage Impacted (0.0):		Acreage Restored or created (0.0):	
Type	Size	Type	Size
☐ PEM		☐ PEM	
☐ PSS		☐ PSS	
☐ PFO		☐ PFO	
☐ POW		☐ POW	

Latitude _____ Longitude _____ Latitude _____ Longitude _____

Enhancement/Functional Gain Projects

Hydrogeomorphic Classification of Wetland
(stream areas are considered riverine):

Enhancement Activity Type	Size of area affected (0.0)
☐ Streambank Fencing	
☐ Wetland Fencing	
☐ Exotic/Invasive Sp. Cont	
☐ Hydrologic Manipulation	
☐ Other	

Other Desc.: _____

Latitude _____ Longitude _____

Please describe activities to date:

Demonstration Project

Name of project: _____

Type of project _____

Mining Related ☐ Yes ☐ No

Non-point Related ☐ Yes ☐ No

Demonstrations Held _____ Number

_____ Attendance

Publicity _____ Number

Newspapers _____ Number

Radio Spots _____ Number

TV Spots _____ Number

Internet _____ Number

Magazine Articles _____ Number

Other _____ Number

Describe activities and technologies developed to date for your demonstration project:

Education Project/Outreach

Schools reached	_____	number
Children reached	_____	number
Adults reached	_____	number
Brochures distributed	_____	number
Newspaper articles	_____	number
Radio/TV spots	_____	number
Magazines	_____	number
Web site hits	_____	number
Training sessions held	_____	number
	_____	attendance
Workshops held	_____	number
	_____	attendance

Describe your efforts to date: