



Lititz Run Watershed Alliance

Project History of Lititz Run Watershed Alliance

1992	Restoration-Ed Hess Farm	Installed 100 feet of streambank fencing, bank stabilization, Regrading and re-seeding
1993	Restoration-Ed Hess Farm	Additional bank Stabilization with rock regrading. Instream habitat devices- Christmas tree deflectors, jack dams
	Restoration-Banta Wetland Farm	Shrub and tree plantings
1994	Grant-National Trout Unlimited	Embrace a Stream Program - Amount - \$5,000.00
	Award - PA Trout	The Pennsylvania Trout Best Project Award
	Restoration-Art Hess Farm	Initiate work, 1000 linear feet of streambank stabilization with rock, fish cover structures, regrading and reseeding. Stone walls built around a spring and rechanneled water discharge away from manure storage area
	Donation-Beiler Excavating	300 dump truck loads of rock stockpiled along the stream for future use
	Restoration-Ed Hess Farm	2800 linear feet of streambank improvements-stabilizing with rock, mud sills, deflectors, tree plantings, regrading, reseeding and tree and shrub plantings
	Public Relations-Call of the Outdoors	Local television program feature
	Community-LMHS Volunteers	Ten students from LMHS volunteered for two stream improvement work days
	Proposal Submitted/Bioengineering	Landstudies, Inc. submitted a proposal for a 350 foot bioengineering project in Lititz Borough
	Township Coordination	Watershed Planning discussions initiated with Borough/Twp.
	Public Relations	Feature article National Trout Unlimited magazine
	Grant-Embrace a Stream Award	\$5,000-Embrace a Stream Award - Trout Unlimited
	-Diamond Spring Restoration	\$500-Diamond Spring Water Quality Award
	Wenrich Farm	500 linear feet of stream improvements, bank stabilization, mud sills, cattle crossings tree plantings,retention basin/reseed
	Restoration-Millport Conservancy	800 linear feet of stream improvements-rock and deflector installation, riparian buffer planting/reseeding. Mill Pond problem solving, coordination with PA DEP, Maintenance, selective mowing and trimming performed around riparian buf.
	Restoration-John King Farm	100 Linear Feet of stream improvements
	Restoration-Smucker Farm	1400 Linear Feet stream improvements, rock & deflector installation, streambank fencing, tree plantings, instream fish structures, cattle water access ramps, regrading
	Restoration-Ed Hess Farm	Stream improvements, instream deflectors/tree plantings

Restoration-Art Hess Farm	Stream improvements, instream deflectors/tree plantings
Public Relations-Cable Network	Feature on Berks County Cable TV
Public Relations	TU National/2nd National Trout Unlimited Feature
Planning-Lititz Riparian Park	Lititz Run Riparian Park concept(Landstudies, Inc.)presented to Warwick Township and Warwick High School
Community-Eagle Scout Project	Scouts install 350 trees in Linear Park. Warwick Twp/CBF
Restoration-Tshudy Property	300 feet of rock bank stabilization/40 ft. biolog/tree planting
Donation-Greenleaf Nursery	450 five gallon trees for Riparian Park plantings/Lititz Run
1996 Grant-Embrace a Stream	\$5,000-Embrace a Stream Award-Trout Unlimited
Restoration-Smucker Farm	AG BMP's planting trees, barnyard improvements
Mitigation Credits/Restoration	\$5,000 to create .02 acre wetland mitigation/Bog Turtle habitat
Donation-Waterfowl USA	\$2,500-Waterfowl USA/Lancaster Chapter-Ag run-off/wetland habitat in riparian area
Restoration-Millport Conservancy	Tree Plantings/bank stabilization on stream. Pheasants Forever planted a 6 acre field adjacent to creek in warm season grasses
Community-Warwick High School	2000 seedlings planted with student labor. Warwick H.S. coordinates hand-on learning by growing plants from seedlings for replanting the following year on Conservancy property.
Restoration-AG-BMP-Jake King	800 linear feet of stream improvements/rock stabilization, regrading, reseeding, streambank fencing, cattle crossings, access areas, tree plantings
Restoration-Banta Wetland Farm	Stream improvements, instream jack dams, stabilization, tree plantings, installation of a 3 acre warm season grass plot
Grant-Warwick Township	\$4,200 from Warwick Twp. for Riparian Park
Grant-Pledged	Lititz Sportsmens Assoc.- Riparian Park
Public Outreach	Presentation-Board/Lititz Run Watershed All./Landstudies
Education - Workshop	Land use planning/Conservation workshop held at Millport Conservancy/organized by Landstudies. 12 local co-sponsors-proceeds to go to watershed planning efforts
Public Outreach-Warwick H.S.	Presentation Board exhibit-Open House/students and parents
Grant confirmed-EPA 319	EPA 319 Gant administered by PA DCNR in the amount of \$243,000 for planning and implementation 1998/1999. In-kind dollars and cash donated by numerous groups/organizations
Government Coordination	Presentation at Chesapeake Bay local Government. Advisory Committee-Harrisburg

Restoration-Lititz Riparian Park	1/2acre Riparian Park constructed
Mitigation - Bog Turtle Habitat	.02 acre Bog Turtle habitat created-Millport Conservancy
Government Coordination-EPA	County Representative and Landstudies present project EPA Region 3 in Philadelphia
Government Coordination - EPA	Landstudies presents project to EPA watershed planning conference/watershed tour conducted. Community participates in tour
1997 Restoration-Santo Domingo Park	Planning of Linear Park along Santo Domingo Creek with construction in fall of 1997
Restoration-Millport Conservancy	Stream improvements ongoing at Millport. Coordinated by Donegal Chapter of Trout Unlimited
Government Coordination	James Seif, Secretary of PA DEP makes announcement of Chesapeake Bay Partner Awards at Lititz Springs Park. Lititz Borough and Warwick Twp. are both award winners
International Education	Japanese delegation tours watershed as part of PA visit coordinated by Brubaker Agronomics
Restoration-Bioengineering Project	Bioengineering project completed in downtown Lititz. Financial sponsors of project-Borough and Farmers First Bank. Design/construction mgmt. by Landstudies
Award-Chesapeake Bay Partner	Lititz Borough and Warwick Township are recognized by Chesapeake Bay Program as Chesapeake Bay Partner Community
Grant-Rivers Conservation	Rivers Conservation Watershed Planning Grant awarded to Donegal Chapter of Trout Unlimited-\$25,000. Management of grant by Landstudies
Lititz Run Watershed Alliance	The Lititz Run Watershed Alliance was founded
1998 Restoration-Bioengineering project	Bioengineering project that stabilized 300 linear feet of Lititz Run streambank on the McKennon property, Borough of Lititz. Financial sponsor-Lititz Borough. Design and Management-Landstudies
Planning Seminar	An educational seminar was held at the Millport Conservancy, sponsored by Local Govt. Advisory Council. Local planners, engineers, municipal officials took part in the event-met with planning experts from throughout the Chesp. Bay region. Seminar produced recommendations to improve sustainability and livability in the Lititz Run Community
Watershed Tour	PA Recreation and Parks Society (PRPS) attended a watershed tour as part of their annual conference
Volunteer Work/Trout Unlimited	Members of Donegal Chapter of Trout Unlimited volunteer to install native plant material-downtown Lititz. Installed netting to protect new plantings from the local duck population
Comprehensive Strategic Planning	A year long joint planning effort was undertaken by Lititz Borough/Warwick Twp. to address a long term planning strategy. Funding provided by Lanc. Cty Planning Department

Watershed Awareness Day	Warwick School Dist. sponsored first Watershed Day. Students learned about their local watershed, stressors on water quality, aquatic food chain, native plant nursery
Remote sensing/Satellite Imagery	Landstudies participated in remote sensing course for land planners at Penna. State Univ. Imagery from watershed was classified to examine land use change over last 10 yrs. This data used to identify important resource areas in Watershed
Water Quality Facility Completed	Santo Domingo Water Quality Facility was constructed in fall. The Santo Domingo Creek is the largest contributor of nutrients and sediment to Lititz Run. This facility was designed to provide a two step stormwater treatment. The facility will allow sediment to settle out of suspension, while a divers 3.5 acre wetland will uptake nutrients. Facility will improve water quality of Lititz Run/improve wildlife habitat and be an amenity to the local residents
Dam Removal	To improve fish passage, a dam structure was removed on Lititz Run, adjacent to the Riparian Park. The 1.5' high structure was removed and replaced with a stepped stone structure to restore a natural stream riffle sequence
Project Planning	Conceptual plans have been prepared and permitting is underway for Millport Dam removal/stream restoration. Millport Mill Pond is large and shallow and contributes greatly toward thermal pollution of stream. The project is expected to greatly improve aquatic habitat in lower reaches of Lititz Run.
Baum Farm	Ag BMP's were installed during fall of 1998. BMP's used include: stream fencing/forested riparian buffer plantings, livestock stream crossings, manure storage and barnyard spouting and gutters. Project comprehensively addressed needs of farmer and natural resource.
Public Outreach	The Lititz Run Watershed Alliance is currently working on producing an educational brochure and video of the watershed
Lititz Run Watershed Booklet	An educational booklet entitled "The Lititz Run Watershed, a Community improving its water quality" is printed in 1999. Includes three sections: Watershed Inventory, Watershed Analysis and Watershed Plan. The Watershed Plan makes specific recommendations on how water quality can be improved in watershed. Funding was provided by DCNR's Rivers Conservation Watershed Planning Grant. Booklet was designed and written by Landstudies, Inc.
1999 Wellhead Protection Ordinance	This ordinance includes natural resource management and planning coordinated with local, county and state officials
Natural Resource Compensation Receiving Areas(NRCRA)	These areas are opportunities within the watershed area for restoration projects. They have been designated and quantified by their optimum potential based on existing land use and conditions. The NRCRA's can be used as receiving areas for negotiations or regulatory compliance, or conflict resolution tools. NRCRA's identified include wetland creation and enhancements, forested riparian buffers, streambank restoration, ag bmp's and warm season grass meadows.
Tax incentive-Forested Riparian Buffer	A comprehensive evaluation of a 35 foot buffer on both sides of all stream corridors within the watershed were identified, mapped and quantified by their recorded assessment based on Lanc. Cty. values. This was done in cooperation with Lanc. Cty. GIS Dept. Values were quantified on a 2,5,10,20 yr. amortization schedule

Chesapeake Bay Program Living Resources Committees Tour	LRWA hosted a tour for this group -ongoing and proposed projects
Restoration/Cedar-Water St. 900 ft.	A collaborative effort between Lititz Borough and Farmers First Bank funded project. Natural channel design techniques incorporated. A created wetland is proposed to treat run off from an adjacent parking lot prior to entering the stream. Boulders required were donated by a local developer. Labor and equipment donated by Lititz Borough
Wynfield Industrial Park Restoration	Approximately 15 acres of commercial land owned by 7 companies is being prepared for a warm season grass meadow and forested riparian buffer along the headwaters of the Santo Domingo Creek
Restoration-Warwick H.S. Hockey	Approximately 1 mile of stream corridor was planted by this group with supervision by Donegal Trout Unlimited
Monitoring	Millersville Univ. and Warwick H.S. continue to monitor the 9 stations for macroinvertebrates and water parameters
Restoration	Millport Conservancy -creation of 4 acres of wetlands as a result of removing dam
Watershed Awareness Education	Joint effort for 5 th grade students in school district
Education/Tour	PA County Watershed Coordinators tour watershed
Award/State	Governor's Excellence in the Environment - 1999 Lititz Run Watershed Alliance/Landstudies
Award /Federal	EPA-National Showcase Watershed-1999 LRWA/Landstudies
2000 Restoration/Sturgis Pretzel	1400 ft. stabilization and fish habitat using Natural Channel Design Technique. Design/Build-Landstudies
Zug Grant-Growing Greener	Stream Restoration - Approximately 2000 feet
Wynfield Ind. Park Restoration	2.0 acres of wetlands created and planted/coordinated with PA Wetland Replacement Fund. Design/Build-Landstudies
Education/Tour	PA Watershed Coordinators Tour-watershed
Watershed Awareness Day	Joint effort for 5 th grade students
Monitoring	Continued program with Warwick School District to monitor for macroinvertebrates and water chemistry
2001 Hurst/Wenger Farms Ag BMP's	1200 lf of stream stabilization, pasture fencing and riparian buffer plantings
Weidler Farm AG BMP	project consisting of manure storage, pasture fencing, stream crossing and riparian buffer
Millport Conservancy/Restoration	Millport Conservancy /stabilized large pond adjacent to the Lititz Run Creek
Education	Educational Kiosk constructed by Trout Unlimited and LRWA at the Warwick Township Riparian Park

	Watershed Awareness Day	Joint effort for 5 th and 6 th graders
2002	Newport Square Restoration	Project involves wetland creation, 14 acres of meadow grass, riparian buffer planting
	National Award	LRWA awarded the CF Industries National Recognition award. Four projects chosen out of U.S.
	Banta Ecolog. Restoration Project	1800 lf. of stream relocation, creation of wetlands and riparian buffer plantings
	Monitoring	Continued stream monitoring program with Warwick H.S.
	Watershed Tour	DEP Secretary David Hess and state watershed coordinators tour Lititz Run
	Watershed Awareness Day	5 th year of over 350 5 th grade students involved in watershed awareness program /David Hess attends
2003	Watershed Awareness Day	6 th year for this event.
	Stream Clean-up Newport Square Ag BMP Projects Banta	Completed Completed project - September 2003 Wenger Farm Creek Road-permit acquisition Permit acquisition
2004	Stream Clean-up March 20, 2004	entire length of stream was cleaned/100 volunteers 1.47 tons of trash collected
	Watershed Awareness Day Scheduled for May 11, 2004	7 th year for this event
	Banta Ecological Restoration Project	Restoration/relocation-2200 lf of Lititz Run Creek Restoration of large wetland area
2005	Stream Clean-up/March 19	over 120 volunteers participated in clean-up
	Wenger Farm - AG-BMP project	project includes manure storage, pasture fencing, barn-yard improvements
	Banta Site	Final restoration
	Watershed Awareness Day-May 10	8 th year for the event
	Sechan Riparian Planting	400 trees planted
2006	Stream Clean-up March 18	Over 120 volunteers participated
	Hess Farm Ag Bmp Project	Barn-yard improvements
	9 th Watershed Awareness Day	May 9/350 students
	Businesses for the Bay Env. Excellence Award	Ag BMP Program
2007	Stream Clean-up March 17	Alternate schedule

	10 th Annual Watershed Day	May 8 – 400 students LAMS students included
2008	Stream Clean-up/March 15	100 participants
	11 th Watershed Day May 13	400 students
	Bio Basin Planting/Sept. 13	50+ volunteers
	Riparian Park Enhancements/10/08	PA Fish & Boat Commission-Adopt a Stream Donegal Trout Unlimited Lititz Sportsmen's Assoc.
2009	Stream Clean-up/March 21	