

CHAPTER 7. MANAGEMENT RECOMMENDATIONS

This section highlights recommendations to improve the quality of life. These management recommendations are non-regulatory and may be used by any citizen, group, or agency. Potential partners are groups with the resources best suited to assist in meeting these objectives. Potential avenues through which the objectives may be financed are also listed. Groups listed as possible partners or funding sources are suggestions and should not be limited to those provided due to ever-changing circumstances.

The recommendations were derived from correspondence, comments, issues, and concerns identified by local citizens throughout the planning process. The issues and concerns are discussed in further detail in the Issues and Concerns chapter. The watershed community developed the management recommendations through comments, interviews, public meeting workshops, and the completion of surveys. The prioritization of the recommendations was determined by the local steering and advisory committees and by the public during the draft review phase. These rankings are based upon impacts to the watershed, feasibility, and probability of funding.

This matrix of recommendations includes goals, methods to achieve the goals, potential partners, and potential funding sources. They are listed by priority, with the higher priorities for each goal and method listed first. An additional listing of potential funding sources and the types of projects that might be funded is included in Appendix K. Acronyms used in the management recommendation matrixes are listed in Table 7-1.

Table 7-1. Acronyms used in Management Recommendation Matrix

ATV	All-terrain Vehicle	PGS	Pennsylvania Geological Survey
AVLT	Allegheny Valley Land Trust	PHMC	Pennsylvania Historic Museum Commission
COG	Council of Governments	PROP	Professional Recyclers of Pennsylvania
DCED	Department of Community and Economic Development	PRWA	Pennsylvania Rural Water Authority
DCNR	Department of Conservation and Natural Resources	RC&D	Resource Conservation and Development
DEP	Department of Environmental Protection	RVMA	Redbank Valley Municipal Authority
FEMA	Federal Emergency Management Agency	SEO	Sewage Enforcement Officer
NFWA	North Fork Watershed Association	SLCI	Sandy Lick Conservation Initiative
NRCS	Natural Resources Conservation Service	USDA	United States Department of Agriculture
OSM	Office of Surface Mining	U.S. EPA	United States Environmental Protection Agency
PABS	Pennsylvania Biological Survey	USFS	United States Forest Service
PDA	Pennsylvania Department of Agriculture	USFWS	United States Fish and Wildlife Service
PennDOT	Pennsylvania Department of Transportation	USGS	United States Geological Survey
PENNVEST	Pennsylvania Infrastructure Investment Authority	WPC	Western Pennsylvania Conservancy
PEMA	Pennsylvania Emergency Management Agency	WPCAMR	Western Pennsylvania Coalition of Abandoned Mine Reclamation
PFBC	Pennsylvania Fish and Boat Commission	WREN	Water Resource Education Network
PGC	Pennsylvania Game Commission		

Project Area Characteristics

Goal 1-1. Increase communication and cooperation among municipalities and counties within the region to promote sharing of services and improve conditions collectively affecting the watershed.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Educate elected officials about the benefits of watershed wide planning for the local environment.	Conservation Groups, Municipalities, Citizens	DEP, DCNR, Private Sources, Foundations	High
2. Increase lobbying and funding support for watershed projects and the environment in federal and state budgets.	Conservation Groups, Legislators, Municipalities, Counties	DEP, DCNR, Legislature	High
3. Create and enforce stricter guidelines for environmental laws.	Municipalities, Police Departments, PGC, PFBC	Private Sources	Medium
4. Municipalities within the watershed should establish an environmental advisory council to encourage local communities and governments to work together.	Conservation Groups, Counties, Municipalities, Conservation Districts, Planning Commissions	Private Sources, DCED	Medium

Goal 1-2. Become proactive as opposed to reactive when planning for the future.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Establish or update municipal comprehensive plans for municipalities that currently do not have plans or have plans that are 10 years or older. Plans can be established individually or jointly with neighboring municipalities.	Municipalities, Landowners, Conservation Groups, Planning Commissions	DCED, Private Sources, Foundations, Local Government	High
2. Utilize responsible zoning to protect agricultural and other lands, without significantly impeding landowner rights.	Municipalities, Counties, Landowners, Conservation Groups, Planning Commissions	DCED, Private Sources, Foundations, Local Government	High
3. Encourage municipalities and counties to be proactive, rather than reactionary, through the development of land-use ordinances or subdivision regulations protecting the character of the communities and valuable resources.	Municipalities, Counties, Landowners, Conservation Groups, Planning Commissions	DCED, Private Sources, Foundations	High
4. Establish zoning regulations, controlled by local municipalities, in urban areas.	Municipalities, Counties, Landowners, Planning Commissions	DCED, Private Sources, Foundations, Local Government	Medium

Goal 1-2. Become proactive as opposed to reactive when planning for the future (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
5. Strengthen the regulation of land-use ordinances so they are not easily changed.	Municipalities, Counties, Planning Commissions	DCED, Private Sources, Foundations, Local Government	Low

Goal 1-3. Plan for future infrastructural needs including transportation, water, and sewage services.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Repair failing water and sewage lines, and add new infrastructure in growth areas as identified in County and Municipal Comprehensive Plans.	Municipalities, Planning Commissions, Water Companies	PENNVEST, Private Sources, DCED	High
2. Continue improving and upgrading roadways including secondary or rural roadways using best management practices that protect water resources.	Municipalities, Conservation Districts, PennDOT	PennDOT, DEP, Conservation Districts	Medium
3. Upgrade and maintain technology, such as high-speed internet, to enable the region to be competitive and attract new businesses.	Municipalities, Planning Commissions, Counties	Private Sources, Foundations, DCED	Medium
4. Establish emergency management plans to control hazardous spills along Interstate 80 and prevent water contamination.	Municipalities, PennDOT, DEP	PennDOT, DEP, Homeland Security	Medium
5. Encourage municipalities with older Act 537 Sewage Facility plans to update their plans to prepare for future development.	Municipalities, SEOs, DEP, Planning Commissions	DEP, Private Sources, Foundations	Medium
6. Conduct impact studies on highway and industrial developments to minimize threats to the resources of the watershed.	Municipalities, DEP, Planning Commissions, PennDOT	DEP, PennDOT, Private Sources	Medium
7. Investigate the possibility of widening one of the north-south travel corridors to attract new businesses to the region.	Planning Commissions, Municipalities, PennDOT, Landowners	PennDOT, Private Sources	Low

Goal 1-4. Utilize natural and historical resources to improve the economy, while increasing awareness of impacts that businesses have on the region’s natural resources.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Study impacts new businesses have on local communities, streams, groundwater, and their effects downstream.	Conservation Groups, DEP, Community Groups	DEP, DCNR, DCED, Foundations, Private Sources	Medium

Goal 1-4. Utilize natural and historical resources to improve the economy, while increasing awareness of impacts that businesses have on the region’s natural resources (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
2. Utilize available nature-based tourism opportunities to increase revenue.	Communities, Conservation Groups, Businesses	Private Sources, DCED, Business Associations	Medium
3. Revitalize industrial base with historical businesses.	Historical Societies, Municipalities, Tourist Bureau	DCED, Private Sources, Foundations	Low

Goal 1-5. Utilize methods to control sprawl when planning new developments.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Conduct a demonstration project utilizing low-impact, smart growth principals, and Conservation by Design practices at a local site for educational purposes.	Municipalities, Counties, State Officials, U.S. EPA, DEP, Planning Commissions, Developers	DEP, U.S. EPA, Local Government, Private Sources, Foundation	High
2. Encourage the use of smart growth principles or Conservation by Design practices when development opportunities arise to maintain the natural setting valued by residents and tourists.	Municipalities, Counties, State Officials, U.S. EPA, DEP, Planning Commissions, Developers	DEP, U.S. EPA, Local Government, Private Sources, Foundations	Medium
3. Carefully plan urban development to ensure economic enhancement without sprawl.	Municipalities, Planning Commissions, Chambers of Commerce	DCED, Private Sources, Foundations, Local Government	Medium
4. Consult and implement county and municipal land-use plans.	Municipalities, Counties	Local Government, Private Sources	Medium
5. Limit the amount of development, based upon limitations of the region, including water quantity and soil type.	Municipalities, Counties, Planning Commissions, Conservation Groups	DEP, NRCS, USGS, PGS, Foundations, Private Sources	Medium

Goal 1-6. Increase the number of well-paying jobs and diversify the types of jobs in the area.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Establish a regional economic development plan.	Chambers of Commerce, Counties, Municipalities, Planning Commissions	DCED, Private Sources	Medium
2. Diversify the local job market by developing and offering incentives and tax breaks to new businesses.	Counties, Municipalities, Planning Commissions, Legislators, Developers	DCED, Private Sources, Businesses, Legislature	Medium

Goal 1-6. Increase the number of well-paying jobs and diversify the types of jobs in the area (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
3. Revitalize downtown areas, following the example of Brookville, to encourage the establishment of new businesses that preserve historic architecture and community character.	Municipalities, Planning Departments	DCED, Private Sources	Medium
4. Encourage the redevelopment of brownfield and old industrial sites, as opposed to the development of green sites, such as agricultural lands.	Municipalities, Counties, Conservation Groups, Planning Commissions, Developers	DEP, DCED, U.S. EPA, Private Sources, Foundations	Medium

Goal 1-7. Increase local services available to the community residents.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Increase fire protection services within the area through additional funding, upgraded equipment, and well-trained, volunteer or professional responders.	Fire Departments, Police Departments, Hospitals, Paramedics, Municipalities	Homeland Security, DCED, Foundations, Private Sources	Medium
2. Educate taxpayers about the connection between taxes and available services, and how their tax dollars are being spent.	Elected Officials, Municipalities, Newspapers	Private Sources	Medium
3. Increase funding for libraries so that services can be expanded, providing more opportunities to utilize the local resource.	Municipalities, Libraries, Elected Officials	Private Sources, Foundations, Legislature	Medium

Land Resources

Goal 2-1. Preserve agricultural lands and lifestyles while encouraging sustainable practices.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Encourage additional townships to participate in the Agricultural Security Area Program, to protect the dwindling acreage of agriculture remaining within the watershed.	Municipalities, Farmland Preservation Programs, Conservation Districts, Conservation Groups	USDA, NRCS, DEP, Farm Bureaus, PDA	High
2. Encourage agricultural landowners to enroll in land preservation programs to protect lands and maintain agricultural uses on the land.	Municipalities, Farmland Preservation Programs, Conservation Districts, Conservation Groups	USDA, NRCS, DEP, Farm Bureaus, PDA	Medium
3. Encourage landowners to enroll in cost-incentive programs, such as the Environmental Quality Incentives Program and Conservation Reserve Enhancement Program.	Conservation Groups, Conservation Districts, NRCS, USDA, DEP, Farm Bureaus, PDA, Landowners	DEP, NRCS, USDA, PDA, Farm Bureaus, Legislature, Private Sources, Foundations	Medium
4. Develop new methods to support land resource conservation.	Conservation Groups, Conservation Districts, NRCS, USDA, DEP, Farm Bureaus, PDA, Landowners	DEP, NRCS, USDA, PDA, Farm Bureaus, Legislature, Private Sources, Foundations	Medium
5. Increase technical and financial assistance to agricultural communities for implementation of best management practices.	Municipalities, Farmland Preservation Programs, Conservation Districts, Conservation Groups	USDA, NRCS, DEP, Farm Bureaus, PDA	Medium
6. Lobby for additional funding for the Environmental Quality Incentives Program and Conservation Reserve Enhancement Program.	Conservation Groups, NRCS, USDA, DEP, Farm Bureaus, PDA, Landowners, Legislators	DEP, NRCS, USDA, Legislature	Medium

Goal 2-2. Protect forest resources.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Enforce existing erosion and sedimentation regulations placed on the logging industry.	Logging Companies, DEP, Conservation Groups	DEP, Private Sources	High

Goal 2-2. Protect forest resources (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
2. Encourage the development and use of forest stewardship or forest management plans and participation in the Pennsylvania Forest Stewardship Program and/or the Tree Farm Program.	DCNR, Landowners, USFS, PGC, Foresters	PGC, Private Sources, Foundations, DCNR	High
3. Maintain the natural beauty of the region by encouraging forestland owners to protect their land from development through the purchase of conservation easements.	Conservation Groups, Landowners, DCNR	DCNR, Private Sources, Foundations	High
4. Educate forestland owners by providing them with accurate information regarding sound silviculture practices, forest management plan development, and insect and disease problems that can affect forest health.	Foresters, Landowners, Conservation Groups, Conservation Districts, Cooperative Extensions	DCNR, Private Sources, Foundations	Medium
5. Decrease forest fragmentation by maintaining contiguous forest tracts and/or by maintaining travel corridors between existing non-contiguous forest tracts.	Conservation Groups, Landowners, PGC	DCNR, Private Sources, Foundations	Medium

Goal 2-3. Minimize impacts from commercial and industrial sources.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Encourage tree plantings as one method to reclaim abandoned mine lands, and support the DEP/OSM Reforestation Initiative on active mine sites.	Conservation Groups, Mining Companies, DEP, OSM	DEP, Foundations, Private Sources, OSM	High
2. Conduct a demonstration project to determine the effect land liming of agricultural, forest, and strip-mined lands has on water quality through neutralization of acidic waters.	Conservation Groups, Conservation Districts, DEP, Landowners	DEP, Foundations, Private Sources	Medium
3. Inventory abandoned wells and mines and plan for remediation.	Conservation Groups, Conservation Districts, DEP, Landowners	DEP, Private Sources, Foundations	Medium
4. Establish better government oversight on gas-well exploration, including the impacts to the natural resources.	Conservation Districts, DEP	DEP, Foundations, Private Sources	Medium
5. Complete remediation of the Jackson Ceramix Superfund site by addressing lead pollution in the 20-acre contaminated wetland located on the site.	DEP, Landowner, Conservation Groups, U.S. EPA	DEP, U.S. EPA, Foundations, Private Sources	Medium

Goal 2-4. Decrease the amount of illegal dumping.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Increase enforcement and penalties for individuals caught dumping illegally.	PA CleanWays, Municipalities, DEP, Local Law Enforcement	DEP, Municipalities	High
2. Encourage increased participation in recycling programs through education and incentives for citizens, regular receptacle maintenance and collection by service providers.	PA CleanWays, Waste Haulers, Municipalities, Landfills, Conservation Groups, Conservation Districts, DEP, PROP	DEP, Foundations, Private Sources	High
3. Host annual cleanups to eliminate illegal dump sites and establish surveillance, and monitoring to decrease the re-occurrence of dumping.	PA CleanWays, Municipalities, Conservation Groups, Conservation Districts	DEP, Foundations, Private Sources	High
4. Local private and public interests should work together to ensure that PA CleanWays efforts to identify and remove illegal dumpsites are adequately funded.	PA CleanWays, Municipalities, Conservation Groups, Conservation Districts	DEP, Foundations, Private Sources	High
5. Conduct an illegal dump inventory, locating and documenting dump locations, and develop a remediation plan to cleanup and eliminate dumpsites.	PA CleanWays, Municipalities, Conservation Groups, Conservation District	DEP, Foundations, Private Sources	High
6. Educate residents about the impacts illegal dumping has on water quality, aesthetics, health and safety, and the economy.	PA CleanWays, Municipalities, Conservation Groups, Conservation Districts	DEP, Foundations, Private Sources	Medium
7. Increase funding to assist groups in hosting cleanup events, educating residents about illegal dumping, and expanding recycling programs.	PA CleanWays, Municipalities, Conservation Groups, Conservation Districts	DEP, Foundations, Private Sources	Medium

Goal 2-5. Decrease erosion and sedimentation issues through the utilization of land-use ordinances and best management practices.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Strictly enforce current regulations designed to prevent erosion and sedimentation problems.	Municipalities, Conservation Groups, Conservation Districts	Private Sources, DEP	High

Goal 2-5. Decrease erosion and sedimentation issues through the utilization of land-use ordinances and best management practices (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
2. Establish and/or strengthen land-use planning tools limiting development in floodplains and other critical areas subject to erosion and sedimentation problems.	Municipalities, DEP, Conservation Groups,	Private Sources, DCED	Medium

Goal 2-6. Improve herd health and decrease sedimentation through the implementation of best management practices.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Encourage agricultural landowners to develop and implement nutrient management plans.	Conservation Groups, NRCS, USDA, DEP, Farm Bureaus, PDA, Landowners	Private Sources, NRCS, Conservation Districts	High
2. Implement a streambank-fencing program to fence cattle out of streams, provide stabilized crossings, alternative watering sources, and riparian corridors.	Conservation Groups, Conservation Districts, NRCS, USDA, DEP, Farm Bureaus, PDA, Landowners	DEP, NRCS, USDA, PDA, Private Sources, Foundations	Medium
3. Stabilize and properly manage barnyard runoff and other livestock areas.	Conservation Groups, NRCS, USDA, DEP, Farm Bureaus, PDA, Landowners	DEP, NRCS, USDA, PDA, Private Sources, Foundations	Medium

Goal 2-7. Reduce the number of unlicensed vehicles in residential areas.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Encourage residents to dispose of unlicensed vehicles by educating them about the impacts on safety, human health, and the environment.	PA CleanWays, Municipalities, Conservation Groups, Conservation Districts	Private Sources, DEP, Foundations	Low
2. Remove unlicensed vehicles from abandoned properties.	Municipalities, Conservation Groups	Private Sources, Foundations	Low
3. Encourage municipalities to establish and enforce land-use ordinances regarding the maintenance of unlicensed vehicles at residential properties.	Municipalities, Conservation Groups	Private Sources	Low

Water Resources

Goal 3-1. Address acidity problems in local waterways caused by abandoned mine drainage and acid precipitation.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Develop a remediation plan by locating and prioritizing abandoned mine discharges for treatment systems based upon a selected set of criteria.	Conservation Districts, Conservation Groups, Mining Companies, WPCAMR	DEP, DCNR, OSM, U.S. EPA, Private Sources, Foundations	High
2. Address abandoned mine discharges within the lower Redbank Creek subwatershed, particularly on the Armstrong County side, to restore quality cold water fisheries.	Conservation Districts, Conservation Groups, Mining Companies, WPCAMR	DEP, DCNR, OSM, U.S. EPA, Private Sources, Foundations	High
3. Implement recommendations identified in the North Fork Watershed Assessment and Restoration Plan to increase the pH and decrease acidity in the waterways.	Conservation Districts, Conservation Groups, DEP	DEP, DCNR, U.S. EPA, Private Sources, Foundations	High
4. Construct mine drainage treatment systems in the Soldier Run subwatershed as identified in the restoration plan that has been established.	Conservation Districts, Conservation Groups, Mining Companies, WPCAMR	DEP, DCNR, OSM, U.S. EPA, Private Sources, Foundations	High
5. Continue addressing mine drainage at the DuBois Mall site through the development of a mine drainage treatment system.	Clearfield Conservation District, Conservation Groups, DEP, WPCAMR, Mining Company, DuBois Mall, Municipalities	DEP, DCNR, OSM, U.S. EPA, Private Sources, Foundations	Medium
6. Determine the effects that land liming could have on water quality by conducting a land liming demonstration project.	Conservation Districts, Conservation Groups, DEP	DEP, DCNR, U.S. EPA, Private Sources, Foundations	Medium

Goal 3-2. Protect and maintain wetland areas.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Encourage the protection of wetlands, particularly those located on abandoned farmlands.	Conservation Groups, DEP, Conservation Districts	DEP, Private Sources, Foundations	High
2. Protect and conserve the six to seven-acre riverine depression owned by Armstrong Conservancy in the lower Redbank Creek watershed.	Armstrong Conservancy, Conservation Groups, DEP, Conservation Districts	DEP, Private Sources, Foundations	High

Goal 3-2. Protect and maintain wetland areas (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
3. Discourage development in areas upstream of wetlands.	Conservation Groups, DEP, Conservation Districts	DEP, Private Sources, Foundations	High

Goal 3-3. Reduce the amount of erosion and sedimentation entering area waterways.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Implement erosion and sedimentation control best management practices on gas well, logging, and dirt and gravel roadways and along streams.	Conservation Groups, Conservation Districts, DEP	DEP, Private Sources, Foundations	High
2. Reduce erosion and sedimentation by incorporating best management practices into all earth-moving activities, including logging, construction and development, and natural resource extraction.	DEP, DCNR, Businesses	DEP, DCNR, Private Sources, Foundations	High
3. Increase funding to maintain the dirt and gravel road program.	Municipalities, COG, Legislators, Conservation Districts	DEP, Private Sources, Legislature	High
4. Conduct a watershed study to determine sources of sedimentation entering Little Sandy Creek.	Conservation Groups, Conservation Districts, DEP	DEP, Private Sources, Foundations	Medium

Goal 3-4. Update sewage and septic systems to eliminate sewage impacts on local waterways.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Improve cost-effective on-lot sewage treatment options.	Municipalities, SEO, Planning Commissions, DEP, Conservation Groups	PENNVEST, DEP, Foundations, Private Sources, DCED	High
2. Increase funding available to assist landowners in repairing failing on-lot septic systems through cost-share or grant programs.	Municipalities, SEO, Planning Commissions, DEP, Conservation Groups, COG	PENNVEST, DEP, Foundations, Private Sources, DCED	High
3. Design wastewater treatment systems to adequately serve the communities by separating stormwater from wastewater systems, in order to ease the occurrence of combined sewage overflows.	Municipalities, SEO, DEP, Planning Commissions	PENNVEST, DEP, Private Sources, DCED	Medium

Goal 3-4. Update sewage and septic systems to eliminate sewage impacts on local waterways (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
4. Update and improve wastewater treatment in urbanized areas.	Municipalities, SEO, Planning Commissions, DEP, Conservation Groups	PENNVEST, DEP, Foundations, Private Sources, DCED	Medium
5. Increase funding in the form of grants to homeowners and public treatment providers to assist in sewage treatment.	Municipalities, COG, Landowners, SEO, DEP	PENNVEST, DEP, Private Sources, DCED	Medium

Goal 3-5. Improve water quality so that streams attain their designated use.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Improve water quality of the entire Redbank Creek watershed, attempting to achieve the water quality that North Fork Redbank Creek currently has.	Conservation Groups, DEP, PFBC, U.S. EPA, Conservation Districts	DEP, Private Sources, Foundations, U.S. EPA	High
2. Implement recommendations that have been identified through the North Fork Watershed Assessment and Restoration Plan.	Conservation Groups, Conservation Districts, Landowners, DEP	DEP, DCNR, Private Sources, Foundations	High
3. Conduct a watershed assessment for the Sandy Lick Creek watershed, including physical, biological, and chemical parameters.	SLCI, Conservation Districts, Conservation Groups, DEP	DEP, Private Sources, Foundations	Medium
4. Host annual stream cleanups to remove debris from waterways.	PA CleanWays, Conservation Groups, Community Groups	DEP, Private Sources, Foundations	Medium
5. Enforce existing or establish stricter regulations for management of pollution from runoff, including industrial, commercial, residential, salt piles, and truck stops.	DEP, Conservation Districts, Conservation Groups	DEP, U.S. EPA, Private Sources, Foundations	Medium
6. Establish a USGS stream gauge to monitor the flow of Redbank Creek. A logical location would be below the confluence of North Fork Redbank Creek and Sandy Lick Creek in Brookville.	USGS, Conservation Groups, Conservation Districts, DEP, U.S. EPA	USGS, Private Sources, Foundations	Low

Goal 3-6. Ensure a sufficient public water supply without putting additional stress on water systems.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Install dry hydrants throughout the Redbank Creek watershed.	Penn Soil, Headwaters, and Penn's Corner RC&D Councils; Municipalities, Conservation Groups, Local Fire Departments, Landowners	USDA Forest Service, DCNR Bureau of Forestry, US Department of the Interior	Medium
2. Conduct surface water or well-head protection plans in order to identify and protect drinking water sources.	Municipalities, DEP, Conservation Groups, PRWA	DEP, WREN, U.S. EPA, PRWA	Medium
3. Establish an additional well in Summerville Borough to supply sufficient water to residents.	Summerville Borough, DEP, Water Company	PENNVEST, DCED, Private Sources	Medium
4. Launch a watershed-wide water conservation program to educate the public about the value of reducing water consumption and utilizing water conservation products and techniques.	Conservation Groups, DCNR, Conservation Districts	WREN, DEP, Foundations, Private Sources	Medium
5. Promote and establish a program for retrofitting homes and businesses for water conservation practices through tax breaks and rebates.	Municipalities, Businesses, Homeowners	Legislature, DEP, Foundations, Private Sources	Medium
6. Establish guidelines that require installation of low-flow devices for all new construction.	Municipalities, Planning Departments	DEP, Foundations, Private Sources	Low
7. Investigate the effects of transporting water across the continental divide, and how this might disrupt the water budget for Anderson Creek and Redbank Creek.	Municipalities, Conservation Groups, DEP, Water Companies	DEP, U.S. EPA, DCED, PENNVEST, Private Sources, Foundations	Low

Goal 3-7. Minimize the amount of destruction caused by flooding.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Strengthen and enforce floodplain ordinances allowing floodplain areas to be undeveloped, so they may remain as open space and serve their purpose as a location where floodwaters can safely overflow the streambanks.	Municipalities, COG, Landowners, Conservation Groups, Conservation Districts, Planning Commissions	DEP, DCED, Private Sources	High
2. Establish a dedicated flood-control program to assess, create, and maintain projects that will minimize the risk and severity of flooding.	Municipalities, DEP, Conservation Districts, COG	PEMA, FEMA, DEP, Private Sources, Foundations	Medium

Goal 3-7. Minimize the amount of destruction caused by flooding (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
3. Discourage the development of primary and secondary residences in floodplain areas.	Municipalities, Planning Commissions, DEP, Conservation Groups, Conservation Districts	PEMA, FEMA, DEP, DCED, Private Sources, Foundations	Medium
4. Develop a flood-control plan that considers alternative methods of flood control using dredging only as a last resort.	Municipalities, Planning Commissions, DCED, PEMA, Conservation Groups, Conservation Districts, DEP, COG	PEMA, FEMA, DEP, Private Sources, Foundations	Medium
5. Consult a hydrologist, and discuss the potential use of natural stream channel design techniques and geomorphology to decrease the risk of flooding.	Municipalities, Planning Commissions, DCED, PEMA, Conservation Groups, Conservation Districts, DEP, COG	PEMA, FEMA, DEP, Private Sources, Foundations	Low

Goal 3-8. Minimize impacts from stormwater through planning and decreasing the amount of impervious surfaces.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Minimize the amount of impervious surface by utilizing porous pavement on parking lots, driveways, and sidewalks.	Conservation Groups, Conservation Districts, Businesses, Landowners, Municipalities, COG	DEP, Private Sources, Foundations	Medium
2. Develop stormwater management plans for North Fork Redbank and Redbank creeks.	Conservation Groups, Municipalities, Planning Commissions, COG, Conservation Districts	DEP, DCED, Private Sources, Foundations	Medium
3. Inventory individual watersheds to determine percent impervious cover and stormwater impacts.	DEP, Municipalities, Planning Commissions, Conservation Districts, Conservation Groups	DEP, Private Sources, Foundations	Medium

Goal 3-9. Maintain dams for recreational, historical, and water supply purposes.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Redesign the New Bethlehem Dam to include adjustable gates, fish passage, a canoe and kayak portage trail, and public access to the stream.	New Bethlehem Borough, South Bethlehem Borough, RVMA, Citizens, Conservation Groups, DEP, PFBC	Private Sources, PFBC, DCNR	Medium

Biological Resources

Goal 4-1. Implement strategies to conserve rare and unique communities, flora, and fauna.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Increase habitat by planting or allowing the natural regeneration of riparian buffers through streambank fencing or other programs.	NRCS, PGC, DEP, Citizens, Conservation Districts, Conservation Groups	Conservation Groups, DEP, Private Sources, Foundations	High
2. Promote the preservation of riparian areas through education about their benefits for wildlife, water quality, flood prevention, and groundwater supplies.	NRCS, PGC, DEP, DCNR, Landowners, Conservation Groups, Conservation Districts	Conservation Groups, Private Sources, Foundations, DEP, DCNR	High
3. Improve aquatic habitat for fish, mussels, and other organisms by implementing best management practices and other restoration activities.	DEP, PFBC, Conservation Groups, Conservation Districts	DEP, PFBC, DCNR, Foundations, Private Sources	High
4. Protect or improve habitats that support threatened and endangered species and species of concern through acquisition, easements, and/or landowner education.	Conservation Groups, DCNR, PGC, PFBC	DCNR, PGC, PFBC, Private Sources, Foundations	High
5. Encourage streamside property owners to maintain a stream-edge buffer when mowing their lawn.	NRCS, PGC, DEP, DCNR, Landowners, Conservation Groups, Conservation Districts	DEP, DCNR, Conservation Groups, Private Sources, Foundations	Medium

Goal 4-2. Minimize the spread of exotic and invasive species.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Develop a control strategy for removing invasive species, especially from high-quality areas or areas where an invasive species is expanding its territory.	Conservation Groups, Conservation Districts, DEP, DCNR, PABS	DEP, DCNR, U.S. EPA, Foundations, Private Sources	High
2. Conduct a demonstration project to remediate invasive species, while providing educational opportunities.	Conservation Groups, Conservation Districts, DEP, DCNR, PABS	DEP, DCNR, U.S. EPA, Foundations, Private Sources	High
3. Conduct an invasive species plant survey to develop a list of areas where invasive species pose the greatest threats to biodiversity.	Conservation Groups, Conservation Districts, DEP, DCNR, PABS	DEP, DCNR, U.S. EPA, Private Sources, Foundations	Medium

Goal 4-2. Minimize the spread of exotic and invasive species (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
4. Develop monitoring plans for invasive species on private properties by working with landowners, especially those whose properties contain high-quality natural communities.	Conservation Groups, Conservation Districts, DEP, DCNR, PABS	DEP, DCNR, U.S. EPA, Private Sources, Foundations	Medium
5. Encourage the use of native plants in landscape and wildlife habitat plantings.	DCNR, Landowners, Landscapers, Conservation Groups, Sportsmen's Groups	DCNR, Foundations, Private Sources	Medium
6. Compile an internet database of exotic and invasive species sightings that can be accessed and added to by the public.	Conservation Groups, Conservation Districts, DEP, DCNR, PABS	DEP, DCNR, U.S. EPA, Private Sources, Foundations	Low

Goal 4-3. Protect and improve wildlife habitats.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Conduct a wetland inventory.	NFWA, SLCI, Conservation Districts, Conservation Groups	DEP, Foundations, Private Sources	High
2. Educate residents about the importance of biodiversity and the need to protect it.	Conservation Groups, Citizens	DCNR, PGC, Private Sources, Foundations	High
3. Develop forest and wildlife management plans.	PGC, DCNR, Conservation Groups	PGC, DCNR, USFWS, NWF, Private Sources, Foundations	Medium
4. Develop detailed management plans for landowners of biologically diverse areas, including inventories of natural features and invasive or exotic species monitoring plans.	Conservation Groups, Landowners, DCNR	DCNR, Foundations, Private Sources	Medium
5. Secure funding for purchasing easements to protect wetlands.	NFWA, SLCI, Conservation Districts, Conservation Groups	DEP, Foundations, Private Sources	Medium
6. Establish a reasonable balance between human interests and wildlife protection.	Conservation Groups, Landowners, Municipalities	Private Sources	Medium

Goal 4-3. Protect and improve wildlife habitats (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
7. Establish biodiversity indices for selected stream segments to document the current status of biodiversity and to track changes over time as management recommendations are implemented.	NFWA, SLCI, Conservation District, Conservation Groups	DCNR, PGC, DEP, PFBC, Private Sources, Foundations, USFWS	Medium

Goal 4-4. Educate the public about the use and purpose of Natural Heritage Inventories in planning, with a focus on the importance of the natural resources that exist.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Study and expand biological diversity areas documented in County Natural Heritage Inventories.	Municipalities, Counties, Conservation Groups, DCNR, PGC, PFBC	DCNR, Foundations, Private Sources	Medium
2. Implement County Natural Heritage Inventories for Armstrong and Clarion counties, once they are completed.	Local Universities, WPC, Conservation Groups, Municipalities, Planning Commissions	DCNR, Foundations, Private Sources, DCED	Medium
3. Incorporate Natural Heritage Inventories into county and municipal comprehensive plans.	Municipalities, Counties, Conservation Groups	DCNR, Foundations, Private Sources	Medium

Goal 4-5. Develop strategies to reduce or curtail the negative impacts caused by deer overbrowsing.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Encourage hunters to participate in the deer management assistance program (DMAP) to keep deer herds at ecologically healthy levels.	Sportsmen’s Clubs, Conservation Groups, DCNR Bureau of Forestry, PGC	DCNR, PGC, Foundations, Private Sources	Medium
2. Encourage private landowners to register their land in DMAP to keep deer herds at ecologically healthy levels.	Sportsmen’s Clubs, Conservation Groups, DCNR Bureau of Forestry, PGC	DCNR, PGC, Foundations, Private Sources	Medium
3. Foster continued involvement in hunting activities among all age groups, and educate hunters on the importance of reducing the doe herd population.	Sportsmen’s Clubs, Conservation Groups, DCNR Bureau of Forestry, PGC	DCNR, PGC, Foundations, Private Sources	Medium
4. Encourage private landowners in impacted areas to open their lands to hunting.	Conservation Groups, DCNR Bureau of Forestry, PGC	DCNR, PGC, Foundations, Private Sources	Medium

Goal 4-6. Promote sustainable forestry practices and responsible private land management.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Provide forest landowners with educational materials about sustainable forestry practices, so they understand how to protect their resources and can discuss various options with potential logging companies and foresters.	Municipalities, Counties, Conservation Groups, DCNR	DCNR, Foundations, Private Sources	Medium
2. Provide forest landowners with a current list of certified foresters in their area to guide them in the proper management of their land.	Municipalities, Counties, Conservation Groups, DCNR	DCNR, Foundations, Private Sources	Medium
3. Consider forming voluntary landowner associations for the purposes of providing dialogue and education about the wise stewardship of private lands	Municipalities, Counties, Conservation Groups, DCNR	DCNR, Foundations, Private Sources	Low

Cultural Resources

Goal 5-1. Increase support for watershed issues.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Increase funding for environmental education programs targeting landowners and school students.	Municipalities, School Districts, Conservation Districts, Conservation Groups, Landowners	DEP, U.S. EPA, Private Sources, Foundations	High
2. Encourage school districts to work with conservation groups and agencies to educate students about watersheds.	School Districts, Conservation Groups, Conservation Districts	DEP, U.S. EPA, Private Sources, Foundations	High
3. Educate residents and developers about environmentally friendly development practices, such as Smart Growth or Conservation by Design.	Planning Commissions, Municipalities, Developers, Conservation Groups	DEP, Private Sources, Foundations	High
4. Educate citizens about the impacts of illegal dumping on water quality, aesthetics, and property values.	Conservation Districts, PA CleanWays, Conservation Groups, Municipalities	DEP, Private Sources, Foundations	High
5. Educate citizens (youth and adult) and municipal officials about the benefits and importance of watershed protection and resource conservation.	DEP, Conservation Organizations, Conservation Districts	DEP, Private Sources, Foundations	High
6. Implement programs to help landowners and elected officials understand the importance of watersheds, wetlands, floodplains, etc.	DEP, Conservation Groups, Conservation Districts, Citizens, Elected Officials	DEP, DCNR, Private Sources, Foundations	High
7. Provide more environmental education opportunities for both youth and adults.	DEP, Conservation Organizations, Conservation Districts	DEP, Private Sources, Foundations	High
8. Increase awareness of watershed-related issues through the distribution of materials and educational programs.	DEP, Conservation Organizations, Conservation Districts	DEP, Private Sources, Foundations	High
9. Establish a Redbank Creek Watershed Association.	Landowners, NFWA, SLCI, Citizens, Municipalities	DEP, U.S. EPA, Private Sources, Foundations	Medium
10. Encourage water conservation year round, not just in times of drought.	Conservation Districts, Conservation Groups, Water Companies	DEP, U.S. EPA, Private Sources, Foundations	Medium

Goal 5-1. Increase support for watershed issues (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
11. Utilize media, such as newspapers, radio stations, and television stations, to outreach to residence for increased participation, and educational messages.	Conservation Groups, Conservation Districts, Newspapers, Radio Stations, Television Stations	DEP, DCNR, Radio Stations, Newspapers, Television Stations, Foundations, Private Sources	Medium

Goal 5-2. Highlight, preserve, and promote appreciation of the local history of the region.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Increase the preservation of existing historical sites and landmarks.	Historical Societies, Landowners, Municipalities	PHMC, Private Sources, Foundations	Medium
2. Incorporate local history into classes taught at local school districts.	Historical Societies, School Districts	School Districts, Private Sources, Foundations	Medium
3. Conduct historical site surveys to identify additional historical landmarks and learn more about existing historical sites.	Historical Societies, Landowners, Municipalities	PHMC, Private Sources, Foundations	Medium
4. Work with elected officials to offer incentives or tax breaks for the restoration of historic buildings.	Municipalities, PHMC, Historical Societies, Elected Officials	PHMC, Private Sources, Foundations	Medium
5. Install interpretive signage at historical locations.	Historical Societies, PennDOT, Landowners, Municipalities, Tourist Bureaus	PHMC, Private Sources, Foundations, Tourist Bureaus	Low
6. Establish self-guided walking, biking, or automobile tours, similar to the walking tour of historic Brookville.	Municipalities, Community Groups, Historical Societies, Tourist Bureaus	Private Sources, Foundations, Tourist Bureaus	Low

Goal 5-3. Minimize the intrusion of ATV usage on private lands and impacts to the environment.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Increase enforcement of illegal ATV use on private and public lands.	Municipalities, Local Law Enforcement, Landowners, Magistrate Justices	Municipalities, Local Law Enforcement	High
2. Prohibit the use of recreational vehicles in areas at risk of being affected by their use. Steep slopes, streambanks, stream crossings, and habitat for rare, threatened, or endangered species are examples of at-risk areas.	Municipalities, Local Law Enforcement, Landowners	DCNR, Private Sources, Foundations	High

Goal 5-3. Minimize the intrusion of ATV usage on private lands and impacts to the environment (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
3. Educate riders about ATV impacts on at-risk areas and why they should avoid those areas.	Municipalities, Conservation Groups	DCNR, DEP, U.S. EPA	Medium
4. Establish ATV parks or trails, offering a legal place to ride ATVs without trespassing on private properties.	Municipalities, ATV Organizations	DCNR, Private Sources, Foundations	Medium
5. Designate areas for ATVs, including proper design to minimize erosion and sedimentation impacts.	Municipalities, ATV Organizations	DCNR, Private Sources, Foundations	Medium

Goal 5-4. Increase and enhance existing recreational facilities.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Create a water trail for Redbank Creek, Sandy Lick Creek, and North Fork Redbank Creek.	DCNR, Conservation Groups, PFBC, Citizens, Municipalities, Tourist Bureaus	DCNR, Private Sources, Foundations, PFBC, Tourist Bureaus, National Parks Service Gateways	Medium
2. Develop trails for specific uses, such as ATVs, hiking, biking, and horseback riding.	Municipalities, Community Groups	DCNR, Private Sources, Foundations, National Parks Service Gateways	Medium
3. Conserve land in the lower Little Sandy Creek for outdoor recreation through acquisition or agreements with landowners.	Municipalities, PGC, PFBC, Community Groups, Landowners	DCNR, PGC, PFBC, Private Sources, Foundations	Medium
4. Establish specific recreational-use areas and access, including boat launches, canoe access points, and trailheads.	Municipalities, Community Groups, PFBC	DCNR, Private Sources, Foundations, PFBC	Medium
5. Establish winter recreation activities, such as snowmobile or cross-country skiing trails.	Municipalities, Community Groups, Landowners, Tourist Bureaus	DCNR, Private Sources, Foundations	Medium
6. Establish a public park, walkway, or trail from New Bethlehem to Redbank High School, providing access to Redbank Creek.	Redbank School District, Community Groups, Landowners, Municipalities	DCNR, Private Sources, Foundations	Medium
7. Acquire and develop areas along the stream for primitive camping.	Municipalities, Landowners, Conservation Groups	DCNR, Private Sources, Foundations	Medium

Goal 5-4. Increase and enhance existing recreational facilities (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
8. Enhance camping experience through facility and program updates, encouraging more visitors to experience the natural environment.	Tourist Bureaus, Campground Owners	DCNR, Private Sources, Foundations, Tourist Bureaus	Medium
9. Enhance amenities, such as bathrooms and parking lots, at recreational facilities.	Municipalities, Community Groups, Armstrong Trail, AVLT, Armstrong Conservancy	DCNR, Private Sources, Foundations	Medium
10. Upgrade equipment and develop playgrounds at community facilities.	Municipalities, Community Groups	DCNR, Private Sources, Foundations	Low
11. Improve and maintain Reynlow Park.	Municipalities, Community Groups	DCNR, Private Sources, Foundations	Low
12. Upgrade equipment at Alcola Park, and increase utilization of available facilities.	Municipalities, Community Groups, Tourist Bureaus	DCNR, Private Sources, Foundations	Low
13. Develop a walkway around Kyle Lake, providing additional access to the lake.	Municipalities, PFBC, Community Groups	DCNR, Private Sources, Foundations, PFBC	Low

Goal 5-5. Connect recreational facilities by linking or extending existing trails with new trails and community parks.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Connect Venango County Sandy Creek Trail with Pennsylvania RR Low Grade Secondary from Brookville to the town of Van.	Municipalities, Landowners, Conservation Groups	DCNR, PHMC, Private Sources, Foundations	Medium
2. Provide better access by establishing well-defined trailheads.	Armstrong Trail, AVLT, Armstrong Conservancy, Municipalities	DCNR, Private Sources, Foundations	Medium
3. Increase maintenance of trail corridors to provide a safer recreational opportunity.	Armstrong Trail, AVLT, Armstrong Conservancy, Municipalities	DCNR, Private Sources, Foundations	Medium
4. Establish a rails-to-trails link from Brockway to DuBois.	Armstrong Trail, AVLT, Armstrong Conservancy, Municipalities	DCNR, Private Sources, Foundations	Low
5. Improve the Lawsonham Low Grade section of the Armstrong Trail.	Armstrong Trail, AVLT, Armstrong Conservancy, Municipalities	DCNR, Private Sources, Foundations	Low

Goal 5-5. Connect recreational facilities by linking or extending existing trails with new trails and community parks (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
6. Provide a connection to East Brady along the Armstrong Trail.	Armstrong Trail, AVLT, Armstrong Conservancy, Municipalities	DCNR, Private Sources, Foundations	Low
7. Rehabilitate and re-open the East Brady Narrows Tunnel.	Armstrong Trail, AVLT, Armstrong Conservancy, Municipalities	DCNR, Private Sources, Foundations, PHMC	Low
8. Increase funding for trail development and maintenance.	Armstrong Trail, AVLT, Armstrong Conservancy, Municipalities	DCNR, Private Sources, Foundations, PennDOT	Low

Goal 5-6. Preserve railroad corridors.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Explore possibility of connecting railroad corridors and trails from surrounding areas to existing trails.	Municipalities, Landowners, Conservation Groups	DCNR, PHMC, Private Sources, Foundations	Medium
2. Protect the Low Grade Secondary railroad corridor, which will be abandoned from Sligo to Lawsonham and from Lawsonham to Brookville.	Municipalities, Landowners, Conservation Groups	DCNR, PHMC, Private Sources, Foundations	Medium
3. Establish a rail tour highlighting scenery and history of the railroad, similar to Kiski Junction Railroad in Schenley, Armstrong County.	Historical Societies, Conservation Groups, Landowners	DCNR, PHMC, Private Sources, Foundations	Medium
4. Highlight historical sites along railroad corridors through the use of interpretive signage.	Historical Societies, Tourist Bureaus	DCNR, PHMC, Private Sources, Foundations	Medium
5. Investigate the preservation of railroad corridors and encourage uses, such as rails-to-trails, that preserve these corridors and offer recreational opportunities.	Municipalities, PHMC, Landowners, Historical Societies, Armstrong Rail Trail, Conservation Groups	DCNR, PHMC, Private Sources, Foundations	Medium

Goal 5-7. Increase the marketing of recreational activities in the region leading to an increase in tourism.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Utilize local recreational facilities to host community festivals and events.	Municipalities, Tourist Bureaus, Community Groups	Private Sources, Foundations	Medium

Goal 5-7. Increase the marketing of recreational activities in the region leading to an increase in tourism (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
2. Develop and distribute maps identifying recreational facilities and lands open to the public.	Municipalities, Tourist Bureaus, Community Groups	DCNR, Private Sources, Foundations, Tourist Bureaus	Medium
3. Utilize local tourism-promotion agencies to highlight individual recreational opportunities.	Tourist Bureaus, Community Groups, Municipalities	Tourist Bureaus, Private Sources, Foundations	Medium
4. Establish a campaign to market the local resources to community residents who may not be aware of the opportunities available in the area.	Tourist Bureaus, Conservation Groups, Historical Societies, Museums	Private Sources, Tourist Bureaus, Foundations	Medium
5. Offer affordable, local, cultural activities, such as plays, concerts, etc.	Community Groups, Tourist Bureaus	Private Sources, Foundations	Low
6. Establish a place where teens can safely and legally gather during evenings, weekends, and summers.	Community Groups, Churches	Private Sources, Foundations	Low

Goal 5-8. Enhance recreational opportunities for sportsmen.

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
1. Improve water quality in order to aid the recovery of the local fishery as a local resource for recreation and tourism.	Conservation Groups, Conservation Districts, Sportsmen's Groups, PFBC, DEP, Tourist Bureaus	DCNR, DEP, PFBC, Private Sources, Foundations	High
2. Preserve the right to hunt, fish, and canoe; and educate sportsmen about areas open to public usage.	Municipalities, PFBC, Community Groups, Tourist Bureaus	DCNR, PFBC, Private Sources, Foundations	High
3. Establish a river access point at the mouth of Redbank Creek.	Municipalities, Conservation Groups, PFBC	DCNR, PFBC, Private Sources, Foundations	Medium
4. Establish additional or enhance existing public access points to streams and trails, including amenities, such as parking and restroom facilities.	Municipalities, PFBC, Community Groups, Tourist Bureaus	DCNR, PFBC, Private Sources, Foundations	Medium

Goal 5-8. Enhance recreational opportunities for sportsmen (continued).

<u>Methods to achieve goal:</u>	<u>Potential Partners:</u>	<u>Potential Funding:</u>	<u>Priority:</u>
5. Conduct a study to identify changes that have occurred within the lower Redbank Creek subwatershed as a result of the 1996 flood, which have led to a continual decrease in water quality and aquatic life.	Conservation Groups, Conservation Districts, PFBC, DEP,	DEP, U.S. EPA, Private Sources, Foundations	Medium