

## Appendix K. Action Register

### Agricultural Action Register

**Agricultural Problem Statement:**

Conventional Till can leave exposed soils leading to sedimentation and increased nutrient levels in waterbodies.

**Goal 1:**

By August 2007, implement no-till on 40% of corn after soybeans and 80% of beans after corn.

**Objective:**

Provide up-to-date information about conservation tillage.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Evaluate current studies on conservation tillage.	Research current trends, economics, and equipment adaptation.	NRCS CTIC Conservation Tillage Initiative	Staff time	319 Grant	
Develop and distribute fact sheets.	Based on research, develop fact sheets for producers.	NRCS CTIC	To be determined	319 Grant	

**Objective:**

Promote existing educational and incentive programs for conservation tillage.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Inform operators about USDA programs through mailings.	Simple mailings will provide important information about programs and other opportunities.	NRCS, SWCD, FSA, Ag Extension, Farm Bureau	To be determined	319 Grant	
Hold informational meetings about existing incentive programs.	Supplement mailings with personal contact.	NRCS, SWCD, FSA, Ag Extension, Farm Bureau	--	319 Grant	
Develop web-based resource site about USDA programs.	USDA program information will be made available online.	NRCS, SWCD, FSA, Ag Extension, Farm Bureau	To be determined	319 Grant	



**Objective:**  
Create a cost-share program that encourages conservation tillage.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Develop criteria for cost-share program.	With producers' input, determine best use of cost-share money to promote conservation tillage.	Agricultural landowners/operators NRCS, SWCD, Ag Extension, FSA	--	319 Grant	--
Promote the program.	Utilize newspaper, co-ops, magazines, etc. to promote the program.	NRCS, SWCD, FSA, Ag Extension, Farm Bureau, other local agencies	To be determined	319 Grant	--
Implement the program.	Get program up and running.	NRCS, SWCD, FSA, Ag Extension, Farm Bureau, other local agencies	To be determined	319 Grant	--

**Objective:**  
Conduct adult and youth education programs related to conservation practices.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Develop basic series for adults on the economics of conservation tillage, focusing on "how to make it work."	Using up-to-date research, develop a series of seminars that discuss the basics of conservation tillage and economic benefits to operators.	NRCS, SWCD, FSA, Ag Extension, Farm Bureau, other local agencies	To be determined	319 Grant	SWCD
Develop youth education series on the economics of soil erosion and landuse decisions.	Series will focus on how to make landuse decisions to benefit soil and water resources.	NRCS, SWCD, FSA, Ag Extension, FFA, 4-H, Farm Bureau, other local agencies	To be determined	319 Grant	SWCD



**Objective:**  
Showcase successful practices and operators.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Develop criteria for conservation award.	In cooperation with sponsors and local producers, review and determine criteria for conservation award.	NRCS, SWCD, FSA, Ag Extension, FFA, 4-H, Farm Bureau, other local agencies	--	--	--
Provide awards and public recognition to operators succeeding with conservation tillage.	Recognize the landowner/operator in a special segment at the SWCD annual meeting. Send a press release recognizing the landowner/operator.	NRCS, SWCD, FSA, Ag Extension, FFA, 4-H, Farm Bureau, other local agencies	\$500/yr	319 Grant	NRCS, SWCD, FSA, Ag Extension, FFA, 4-H, Farm Bureau, other local agencies
Provide tours of successful operations.	Organize and promote event to showcase successful farming operations using conservation practices.	NRCS, SWCD, FSA, Ag Extension, FFA, 4-H, Farm Bureau, other local agencies			



**Problem Statement:**

Results from the tillage survey indicate that operators/landowners are not informed about conservation practices on farmland and how farmland practices impact water quality. Additionally, they are unaware of the potential funding sources and manpower available to assist with conservation efforts.

**Goal 2:**

Increase awareness about how farmland practices may impact water quality. Increase participation in conservation programs by 100% through cost-share, Farm Bill programs, and other efforts by 2007.

**Objective:**

Hire an Ag Outreach Specialist.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Hire an Ag Outreach Specialist	Recruit candidates, interview, and hire personnel to perform agricultural education and outreach.	NRCS, SWCD	To be determined	319 Grant NRCS SWCD	--

**Objective:**

Solicit input of agricultural leaders on how to reach rural/ag community.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Meet with representatives of local agencies and businesses to identify respected leaders in the ag community.	These meetings will help to build relationships with community leaders.	Local equipment, fertilizer, and chemical dealers Local agencies	--	--	--
Develop improved mailing lists for newsletters, publications, and special event mailings.	Update current mailing list on a regular basis to ensure that information reaches the ag community in the watershed.	NRCS, SWCD, FSA, Ag Extension, FFA, 4-H, Farm Bureau, other local agencies	--	--	--



**Objective:**

Educate stakeholders about environmental stewardship on their land.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Research and illustrate economic benefits of conservation practices.	Economic benefits create an incentive for adopting conservation practices.	NRCS, CTIC	--	319 Grant	--
Hold meetings to discuss conservation practices with stakeholders.	Meetings of various types will be held, including meeting one-on-one with individual stakeholders as well as focus group meetings.	NRCS, SWCD, IDNR	Staff time	319 Grant	--
Utilize infrared photography to help stakeholders recognize need and opportunities for conservation projects.	Infrared photos will help landowners identify and interpret the underground drainage system on agricultural land in the watershed.	SWCD, NRCS, IDNR	\$50,000 to acquire countywide photos	319 Grant NASA Grant Landowners Johnson County govt.	--
Develop worksheets to record environmental stewardship and land concerns.	Worksheets will help to categorize and track landowner concerns.	NRCS, SWCD, IDNR	Staff time	--	--
Develop an Ag Water Quality Field Day.	Targeted to the agricultural community to promote water quality awareness.	NRCS, SWCD, FSA, Ag Extension, FFA, 4-H, Farm Bureau, other local agencies	To be determined	319 Grant	Local businesses Local agencies



**Objective:**

Develop relationships and collaborations with local agribusinesses.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Identify and develop contact list for local, state, and regional agriculture-related businesses.	Contact list will include business location, mailing address, and personal contact.	Landowners/operators, local agencies	Staff time	--	--
Inventory existing events that offer the potential to involve agribusinesses.	Research local, state, and regional events about water quality and land use.	CTIC, NRCS, SWCD, IDNR, other local agencies	Staff time	--	--
Utilize businesses to help promote existing conservation and incentive programs and distribute informational material.	Agribusinesses can be an avenue to reach a larger segment of the agricultural population.	Agricultural-related businesses	To be determined	319 Grant	--

**Objective:**

Enroll participants in incentive programs and provide technical services for practices including grassed waterways, WASCOBs, grade stabilization structures, filter strips, riparian forest buffer, nutrient management, and pest management.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Discuss with potential applicants the benefits of conservation programs and the assistance they can receive.	Make landowners/operators aware of existing programs and benefits of conservation.	NRCS, IDNR, SWCD, other local agencies	Staff time	--	--
Assist participants with cost-share applications for Farm Bill and other incentive programs.	Provide support and guidance during the application process	NRCS, IDNR, SWCD, other local agencies	Staff time	--	--



**Problem Statement:**

Livestock with access to waterbodies may trample riparian areas, leading to increased bank erosion. Further, E.coli from animal waste can cause digestive and other health problems in humans.

**Goal 3:**

Encourage and promote the use of watering and manure management systems.

**Objective:**

Investigate new technologies for watering and manure management systems.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Gather information and evaluate current research	Research current trends, economics, and equipment adaptation.	NRCS Grazing Lands Specialist, local agencies	Staff time	319 Grant	--

**Objective:**

Provide information to producers about manure management alternatives.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Develop and distribute fact sheets about water quality.	Fact sheets would provide introductory information.	NRCS, SWCD, IDNR, agencies	To be determined	319 grant	--
Host a seminar series.	Seminar series would provide in-depth information for livestock farmers.	NRCS, SWCD, IDNR, local agencies	To be determined	319 grant	--

**Objective:**

Promote livestock exclusion and manure management practices by utilizing incentive programs.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Meet individually with livestock producers to discuss incentive programs and other opportunities	Meetings will make livestock producers aware of existing programs.	NRCS, SWCD, IDNR, GLCI, local agencies	Staff time	--	--



**Riparian Buffer Action Register**

**Problem:**

The lack of protective vegetated buffer impacts the health of the streams in Youngs Creek Watershed. This is exhibited by increased sedimentation, erosion, flooding, and algal blooms in summer, increased *E. coli* contamination, decreased in-stream habitat (temperature, contaminants, sediment), decreased aesthetic quality, etc.

**Goal 4:**

Assess the status of riparian buffers in the Youngs Creek Watershed.

**Objective 1:**

Identify riparian vegetated buffers in the watershed.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Visual field assessments.	Seasonal observations of conditions in watershed.	IGS NRCS IDEM IDNR	This project is already in progress through the Indiana Geological Survey, and the cost estimate for this portion is ~\$50,000.	IDEM-Section 319	IGS IDEM EPA
Mapping using all data sources.	Integrate field observations with GIS data sets, aerial photography, satellite imagery.				
Document status of riparian buffers by ground photography, aerial photography, and/or satellite imagery.	Ground photography (film or digital), aerial photography, and/or satellite imagery.				



**Goal 5:**

Prioritize riparian buffer restoration areas within the Youngs Creek Watershed.

**Objective 1:**

Identify the appropriate riparian buffer type, width, and distribution for each land use category in the watershed.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Determine ranking criteria.	Identify parameters that will be considered in ranking.	IGS NRCS IDEM IDNR	This project will be completed by the Indiana Geological Survey after completion of Goal 1, and the cost estimate for this portion is ~\$50,000.	319 Grant	IGS IDEM EPA
Identify primary land use categories.	Determine appropriate buffer widths for ranking criteria for each land use (present and/or future)				
Identify future zoning and areas of potential development.	Assess impacts of future zoning decisions on land use change.				
Apply criteria to the watershed to determine restoration priorities.	Compare needed buffers vs. present buffers. Apply prioritization.				



**Goal 6:**

Improve or maintain riparian buffers adjacent to streams (natural, man-made, or altered), ponds, and wetlands throughout the watershed. This consists of an ongoing and incremental goal of increasing buffers where absent or insufficient, maintaining existing buffers, and connecting existing buffers where possible.

**Objective 1:** Present to Year 5

Increase stream buffers by 40% in the northern part of the watershed on and near agricultural land use. Also concentrate on any high priority areas in the rest of the watershed identified in Goal #2.

**Objective 2:** Year 5 to Year 10

Increase stream buffers in the northern part of the watershed so that nearly 100% of streams are at least partially buffered.

**Objective 3:** Year 5 to Year 10 (ongoing)

Connect existing buffers to create continuous buffers where possible throughout the entire watershed.

**Objective 4:** Year 10 to Year 15

Improve buffers throughout entire watershed so that appropriate buffer types and widths exist for 50% of the entire watershed.

**Objective 5:** Year 15 to Year 20

Improve buffers throughout entire watershed so that appropriate buffer types and widths exist for 50% of the entire watershed.

**Objective 6:** Year 20

Improve buffers throughout entire watershed so that appropriate buffer types and widths exist for nearly 100% of the entire watershed.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Determine criteria for various funding-grant-incentive programs.	Collect data on criteria for existing federal, state, county, and private cost-share and other funding programs.	NRCS IDNR	Staff time	CRP EQIP	NRCS, Cinergy



Attempt to predetermine qualification for programs for farmers and present the options to each one as a “package” of options	Utilize GIS and other methods to predetermine qualifications of various agricultural producers in the watershed for funding programs, and present this information to targeted individuals.	NRCS IDNR	Staff time		
Cost-share, education, outreach, and demonstration projects.	See Goal #4	SWCD, NRCS	To be determined	319 Grant	To be determined

**Objective 7:**

Reassess riparian vegetated buffers in the watershed.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Visual field assessments.	Seasonal observations of conditions in watershed (to occur every 5 years during 20-yr phase)	IGS NRCS IDEM IDNR	Staff time	319 Grant	IGS IDEM EPA
Mapping using all data sources.	Integrate field observations with GIS data sets, aerial photography, satellite imagery (to occur every 5 years during 20-yr phase)				
Document status of riparian buffers by ground photography, aerial photography, and/or satellite imagery.	Ground photography (film or digital), aerial photography, and/or satellite imagery (to occur every 5 years during 20-yr phase)				



**Goal 7:**

Promote riparian buffer installation through outreach efforts targeted at three primary audiences within the watershed:

1. Agricultural producers
2. Urban or high-density residential (homeowners' associations, apartment complexes, schools, some businesses)
3. Rural or low-density residential (individual homeowners who are personally responsible for decisions made on their own property)

**Objective 1:**

Promote riparian buffer installation adjacent to agricultural lands within the watershed.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Market existing programs (CRP, EQIP, WRP, WHIP, etc.) to agricultural producers.	Marketing will focus on opportunities for cost-share of buffer installation.	NRCS IDNR	To be determined	To be determined	To be determined
Develop system of recognition.	Identify and promote agricultural producers who have successfully implemented riparian buffers.	Youngs Creek Watershed Assessment; SWCD			



**Objective 2:**  
Promote riparian buffer installation adjacent to retention ponds in subdivisions.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Install a buffer demonstration project in a subdivision.	Demonstration will show plant species that are attractive, easily maintained, and appropriate for buffers, and before-after pictures will illustrate benefits.	NRCS IDNR	To be determined	To be determined	To be determined
Educate homeowners by providing buffer-related information.	Obtain a mailing list of homeowners' associations that would be willing to receive periodic information about water quality/buffer issues.	Youngs Creek Watershed Assessment; SWCD	Staff time	To be determined	To be determined
	Develop materials highlighting benefits of buffers (aesthetic, economic) and distribute to other homeowners' associations/communities within YCW.	Youngs Creek Watershed; SWCD; IDNR; NRCS		To be determined	To be determined
	Send articles/press release about the buffer demonstration that homeowners' associations can use in their newsletters.	Youngs Creek Watershed Assessment; SWCD		--	--
	Make information about correct use of pesticides and herbicides, nutrient pollution, etc. available to homeowners.	Youngs Creek Watershed Assessment; SWCD, Ag Extension, SWMD		To be determined	To be determined
	Develop literature that gives specific guidance for buffer installation (specific plant species/landscape designs or options)	Youngs Creek Watershed Assessment; SWCD, Ag Extension		To be determined	To be determined



Draft Youngs Creek Watershed Management Plan

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Install a demonstration project at a local school showing plant species that are attractive, easily maintained, and appropriate for buffers.	Take pictures before/after installation of demonstration plot.	Youngs Creek Watershed Assessment; SWCD		Staff time	--
Make cost-share funds available to homeowners' associations for buffer installation in urban areas.	Promote the site by offering tours (scouts, other schools, clubs, 4H)	Youngs Creek Watershed Assessment; SWCD		To be determined	To be determined
Develop a system of recognition for homeowners' associations or local communities.	Identify homeowners or associations that are installing buffers; award cost share and volunteer design assistance and labor.	Youngs Creek Watershed Assessment; SWCD		IDEM-Section 319	To be determined
Develop a system of recognition for homeowners' associations or local communities.	System would reward HAs or communities that implement water-friendly practices such as buffers, stream clean ups, monitoring. System could utilize plaques or signs to recognize accomplishments.	Youngs Creek Watershed Assessment; SWCD		To be determined	To be determined



**Objective 3:**

Promote riparian buffer installation adjacent to streams in rural areas of the watershed through a targeted campaign to raise awareness about stream buffers.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Initiate a targeted campaign to raise awareness about stream buffers and promote riparian buffer installation adjacent to streams in rural non-agricultural areas of the watershed.	Cooperate with experts and businesses to develop literature that gives specific guidance (specific plant species/landscape designs or options) for buffer installation and create opportunities for discounted purchase of buffer plants (i.e., local nurseries or home/garden stores).	NRCS IDNR Local landscaping businesses, landscape architectural services, nurseries, home centers (e.g., Home Depot)	To be determined	To be determined	Local landscaping businesses, landscape architectural services, nurseries, home centers (e.g., Home Depot)
Develop a system of recognition to reward individual homeowners.	System would reward individuals that implement water-friendly practices such as buffers, stream clean ups, monitoring.	Youngs Creek Watershed Assessment; SWCD			



**Goal 8:**

Equip policy makers with information they need to make water-friendly decisions.

**Objective 1:**

Promote riparian buffer installation adjacent to waterways within city/county control.

**Objective 2:**

Encourage county government to take green space, buffers, and corridors into account when planning for future zoning and development. (\*\*Important for stream health as well as aquifer recharge and subsurface water quality.)

**Objective 3:**

Encourage county officials to change maintenance practices along legal drains. Promote vegetated riparian buffer installation and less chemical application.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
<p>Monitor governmental agenda, upcoming decisions, or legislation that have the potential to impact water quality.</p>	<p>Communication of relevant county and city landuse decisions will offer the opportunity for watershed concerns to be voiced during the county and city planning processes.</p>	<p>Youngs Creek Watershed Assessment; SW/CD; CILTI; IDNR; NRCS; IGS; IDEM</p>	<p>Staff time</p>	<p>To be determined</p>	<p>To be determined</p>
<p>Identify and organize local experts who are willing to provide information to decision-makers when such information is needed.</p>	<p>Information from experts and professionals, combined with voiced concerns, will empower policy makers to act in the best interest of the watershed.</p>				
<p>Identify opportunities for agencies such as the Central Indiana Land Trust, IDNR, or IDEM to speak to local decision-makers.</p>					



**Urban NPS Action Register**

**Problem:**

Future increases in impervious surfaces and urban landuses threaten to increase pollutants that degrade aquatic health.

**Goal 9:**

Promote water-friendly behaviors among residents and officials in urban and urbanizing areas of the watershed.

**Objective 1:**

Initiate large-scale campaign to make residents of urban and urbanizing areas aware of water quality issues.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Publish a series of articles in existing newsletters or newspapers.	Article topics will include stormwater pollution, dangers of improper disposal of lawn chemicals, etc.	SWCD	Minimal	--	--
Exhibit a series of displays about water-friendly behaviors.	Displays will vary and rotate among locations frequented by urban populations, including local libraries, stores, post offices, local government buildings.	SWCD	\$500-\$1000 Creation of display(s)	Grant/SWCD	Local businesses, city and county governments.
Display a video and distribute related promotional items at county and community fairs.	Video will educate urban, suburban, and rural residents about nonpoint source pollution topics. Promotional items will correlate.	SWCD	\$1100 Purchase of video(s), promotional items for fairs.	Grant/SWCD	Local businesses, city and county governments.
Display slides at local theaters.	Slides will raise awareness of the water quality improvement efforts.	SWCD	To be determined Price will depend on the number, frequency, and location of slides – cost could be prohibitive.	Grant/SWCD	Local businesses, city and county governments.

**Objective 2:**



Promote existing programs (Indy Tox-drop and Spring Cleanup Day) that collect household hazardous wastes (HHWs).

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Initiate a targeted literature campaign.	Literature will inform users of HHWs of opportunities for proper disposal/recycling. Literature will be placed near the point of sale of HHWs.	Solid Waste Management District, local businesses	To be determined	Grant	SWCD, solid waste management district

**Objective 3:**

Promote awareness of storm drain pollution among residents of subdivisions within the watershed.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Sponsor storm drain labeling projects	Program will entail recruiting and organizing volunteer groups, securing labels and supplies, training group leaders, delivering flyers or door-hangers to subdivision residents, and awarding prizes to volunteer groups.	SWCD Franklin DPW	~\$1500 /year	Grant	SWCD, Solid Waste Management District, Franklin DPW, city and county governments

**Objective 4:**

Promote automobile maintenance among watershed residents.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Initiate a targeted literature campaign	Literature will explain the correct ways to change fluids, list local recycling centers for motor oil and other fluids, and include contact information. This information will be placed in stores adjacent to where oil is sold and online.	Local Auto Shops	To be determined	Grant	Solid Waste Management District



**Objective 5:**  
Promote proper retention pond maintenance to homeowners' associations (HAs) and other groups.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Distribute informational material to each HA.	Pamphlets or folders will include proper way to manage retention ponds for water quality and opportunities for assistance.	Builders Associations Planning agencies	To be determined	Grant	Local businesses/ pond management companies
Hold a field day/workshop for HAs and other related groups.	Invite speakers to talk about pond maintenance at the riparian buffer demonstration project. Field day invitations should include HAs, developers, and planners.	Planning agencies, Drainage Board	Minimal	Grant	Local businesses/ pond management companies

**Objective 6:**  
Encourage homeowners to reduce applications of fertilizers and other yard chemicals.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Initiate a targeted literature campaign.	Brochures, tear-offs, or other materials outlining consequences of excessive chemical applications will be distributed at locations where chemicals are purchased.	Stores Ag Extension office Solid Waste Management District	To be determined	Grant	--



**Objective 7:**

Promote proper use of road salt and sand among city and county officials within the watershed.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Provide literature to city and county street departments.	Literature will explain the water quality implications of road salt and sand, new methods for effective applications, and alternative substances.	Solid Waste Management District	To be determined	Grant	Solid Waste Management District SWCD
Hold a 2-hr special meeting for city and county officials.	Meeting will raise awareness of the issue of road sand and salt pollution and encourage discussion among city and county officials.	Solid Waste Management District, SWCD	Minimal	--	--

**Objective 8:**

Promote proper septic system maintenance among residents in the watershed.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Targeted literature campaign.	Literature will dispel some common septic system myths and encourage proper practices. Literature could be distributed by local agencies, real estate agents, and businesses.	Johnson County Health Department	To be determined	Grant	Johnson County Health Department Local businesses



**Problem:**

Future increases in impervious surfaces and urban landuses threaten to increase pollutants that degrade aquatic health.

**Goal 10:**

Promote dialogue among engineers, officials, and other professionals in the watershed about the installation and maintenance of structures and/or practices (BMPs) that counterbalance impervious surface run-off.

**Objective 1:**

Encourage builders, developers, and contractors to implement appropriate sediment control measures during construction.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Hold a meeting or workshop for builders, developers, and contractors to discuss or demonstrate BMPs	Meeting or workshop will emphasize the importance of preventing soil erosion and focus on demonstrating proper BMP installation to onsite workers.	IDNR staff SWCD Planning dept	To be determined	Grant	SWCD
Make information about proper techniques and procedures available.	Information will be made available to onsite workers in a usable format.	IDNR staff SWCD Planning dept	To be determined	Grant	SWCD

**Objective 2:**

Encourage discussion about more stringent water quality standards for retention ponds among city officials.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Hold a meeting for town boards, councils, and other interested officials to discuss their subdivision control ordinances.	Meeting will focus on the importance of incorporating water quality into subdivision control ordinances, highlight benefits, and provide example ordinances.	Drainage Board Johnson County Planning	Minimal	Grant SWCD	--



**Objective 3:**

Promote impervious surface alternatives in the watershed.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Construct a permeable surface demonstration plot and signage in a visible area.	This project will be designed and funded in conjunction with a host agency.		To be determined	--	--

**Problem:**

Future increases in impervious surfaces and urban landuses threaten to increase pollutants that degrade aquatic health.

**Goal 11:**

Determine the need to re-design or alter retention ponds in existing subdivisions to meet design standards set forth in the Johnson County Subdivision Control Ordinance which controls for water quality parameters and share this information with residents of county subdivisions.

**Objective 1:**

Evaluate pond standards in existing subdivisions in Johnson County.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Conduct a records survey.	Records survey will determine which retention ponds in the watershed were designed to meet water quality standards and which were not.	SWCD	To be determined	--	--
Share survey results with the public.	The status of ponds within subdivisions will be shared with that subdivision's representative or HA. A press release will be submitted, describing results of survey.		Minimal	--	--



Draft Youngs Creek Watershed Management Plan

**Problem:**

Future increases in impervious surfaces and urban landuses threaten to increase pollutants that degrade aquatic health.

**Goal 12:**

Provide input to Stormwater Phase II entities in Johnson County during the Phase II planning process.

**Objective 1:**

Distribute results of the Youngs Creek Assessment and Management Plan to Phase II entities in the county.

Action Items	Description	Technical Resources	Cost Estimate	Funding Source(s)	Potential Financial Partners
Obtain contact information for and distribute watershed-related items to all Phase II entities in the county.	The Assessment results and Plan contain water quality information and public input that will be helpful to Phase II entities during the planning process.	SWCD/ Youngs Creek Project	To be determined	Grant	--
Attend public meetings and other open forums to discuss issues.	Members of the Youngs Creek Advisory Group will be kept up-to-date about Phase II proceedings and opportunities for involvement.	SWCD/ Youngs Creek Project	--	--	--
Provide technical support, assistance in communication and advertising, and other cooperation to Phase II entities.	Phase II entities can utilize the existing Youngs Creek Advisory Group as a resource in planning and implementing Stormwater programs.	SWCD/ Youngs Creek Project	--	--	--

