

**Introduction**

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Purpose Statement

The Pigeon Creek Watershed Management Plan is intended as a guide for the protection and enhancement of the environment and quality of the Pigeon Creek Watershed while balancing the different uses and demands of the community on this natural resource. This plan will be used as a platform to request and obtain additional grants to implement the suggested tools that accomplish the goals identified in the plan, such as education, community involvement from individual, municipal, county, and state levels, and continued Pigeon Creek Watershed improvement projects.

Watershed Brief Description

The Pigeon Creek Watershed is located in the northeast corner of Indiana and almost entirely within Steuben County. Pigeon Creek combines with Turkey Creek and other tributaries to form the Pigeon River in LaGrange County at the Mongo Reservoir, which is approximately 4 miles west of the LaGrange / Steuben County line. Pigeon Creek is ultimately tributary to the St. Joseph River and Lake Michigan. For the purposes of this Pigeon Creek Watershed Management Plan, only the portion of Pigeon Creek within Steuben County will be discussed. Figure 1 provides a location map of the Pigeon Creek Watershed within the study area.

The Pigeon Creek Watershed within Steuben County has a tributary drainage area of approximately 124 square miles (79,335 acres). The watercourse generally flows east to west across the county, from its headwaters at Cedar Swamp to the LaGrange / Steuben County line approximately 31 miles downstream. The watershed contains portions of Hydrologic Unit Codes 4050001110010, 4050001110020, 4050001110030, 4050001110040, 4050001110050, 4050001110060, 4050001110070, and 4050001110080. Several lakes exist within the main drainage way of Pigeon Creek and are listed in Table 1.

Lake	Area
Pigeon Lake	61 Acres
Long Lake	92 Acres
Big Bower Lake	25 Acres
Little Bower Lake	12 Acres
Golden Lake	119 Acres
Hogback Lake	146 Acres
West Otter Lake	119 Acres

**Table 1: Lakes Located Within Pigeon Creek Drainage Way.**

The land use within the Pigeon Creek Watershed is predominantly agricultural. The agricultural products are primarily row crops of corn and bean, with a few livestock operations. The watershed is developing, especially with construction of both permanent and seasonal housing around the open water lakes. Although the majority of the City of Angola, the county seat with a population of 7,344 (2000 Census), is not located within the Pigeon Creek Watershed, there are four major outlets from Angola that ultimately

discharge to Pigeon Creek. These outlets include Jackson Ditch, John Leach Drain, the wastewater treatment plant outfall (001), and a 36” storm sewer outfall (002). Therefore, ongoing development within the City of Angola will have an influence on the Pigeon Creek Watershed.

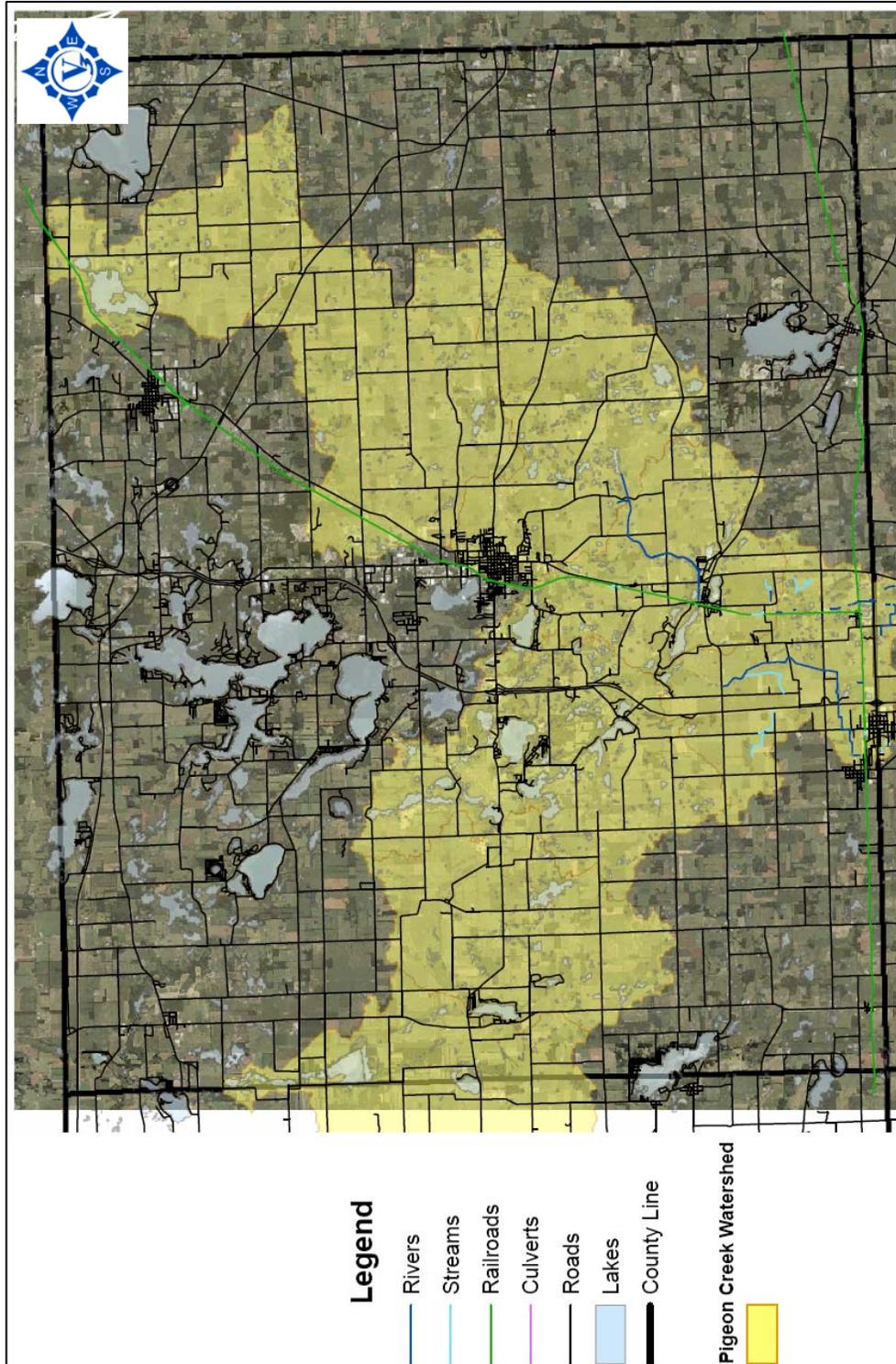


Figure 1: Project Overview Map.

Steuben County regulators have enacted several ordinances to limit the adverse impacts from future development. These regulations include the Steuben County Ordinance for Storm Drainage and Erosion Control and the Angola Storm Water Ordinance. Discharges for developments are also regulated by state and federal agencies through programs including the National Pollutant Discharge Elimination System and Department of Environmental Management water quality permits.

#### History of Watershed Planning Group

Conservationists have developed comprehensive watershed management plans for the Pigeon Creek Watershed since the mid-1960's. The 1967 "Preliminary Investigation Report", a joint effort of the Steuben County and Dekalb County Soil and Water Conservation Districts, was one of the first such plans for the watershed. The report identified the major watershed issues as frequent flood damage, inadequate drainage outlets, pollution of lakes and streams, and the necessity for additional fish and wildlife resources. A combination of land treatment and structural measures were proposed for implementation over a five year period.

The Steuben County Soil and Water Conservation District re-examined the watershed twenty years later in 1987. The "Watershed Protection Plan – Environmental Assessment for Pigeon Creek Watershed" identified sheet and rill erosion as a major resource conservation and economic concern for the watershed. The report estimated that approximately \$790,000 (1987 Dollars) was lost annually due to reduced productivity on farmland subject to excessive erosion and cleanup of sediment deposits. The plan proposed implementation of land treatment measures and construction of water and sediment control basins on approximately 15.9 square miles of farmland.

In addition to the major planning studies mentioned above, several minor studies have been conducted to identify solutions to local flooding and erosion / sedimentation issues within the watershed.

#### 2004/2005 Pigeon Creek Steering Committee

The Pigeon Creek Watershed Management Plan Steering Committee met eight times during 2004 and 2005 to guide the preparation of the management plan. Meetings were held on April 27, 2004; July 8, 2004; September 2, 2004; November 30, 2004; February 22, 2005; April 26, 2005; June 28, 2005; August 23, 2005; and October 4, 2005. The committee provided a broad array of experience to the planning process, including representation from conservationists, regulators, public officials, facility operators, and stakeholders. Meetings were open to the public and were attended by state officials. The Steering Committee consisted of the following individuals.

- Beth Williams, Steuben SWCD
- Chad Hoover, GIS Coordinator
- Bob Glick, Long Lake
- Ron & Carol Alter, Golden Lake
- Bob Neumann, SWCD Volunteer
- Michael Keleman, Angola WWTP
- Tom Green, Steuben SWCD
- Tom Friend, Steuben Health Dept.
- Kathy & Bruce McCoy, Long Lake
- Tootie Derck, Long Lake
- Shawn Arden, V3 Consultants
- Ed Belmonte, V3 Consultants
- Greg Wolterstorff, V3 Consultants

*Stakeholders and Their Involvement*

As part of the watershed planning process, the Steering Committee encouraged participation from the wide range of stakeholders in the Pigeon Creek Watershed. These stakeholders included private landowners such as single family households, owners of large farmlands, governmental entities, and industrial and commercial businesses. In addition, the presence of lakes and waterways within the watershed offered communication with the recreational users and lake associations within the watershed. Environmental groups that monitor and promote habitats within the watershed have a prominent interest in resource conservation and also are an integral part of the planning process.

Public meetings were held on March 25, 2004; September 14, 2004, and March 22, 2005 to obtain input from the stakeholder group. Meeting minutes and attendee lists for each public meeting are as follows:

**Pigeon Creek Watershed Management Plan Public Input Meeting**

*March 25, 2004 6:30PM*

*Multi-Purpose Room, Steuben County Community Center*

Matt Ridenour, Chairman of the Steuben County Soil and Water Conservation District Board, gave an introduction of the Watershed Management Plan project, and explained that: past Pigeon Creek watershed management plans need to be updated, an updated watershed management plan is required to obtain funding and grants, the watershed management plan is not only for sedimentation issues, the watershed data needs to be available to the NRCS and SWCD offices, the watershed plan needs to list the public's concern regarding the watershed, there is no direct land treatment which results from the creation of a watershed management plan, the watershed management plan will identify watershed concerns and provide the concepts for watershed solutions.

Chad Hoover, Steuben County GIS Coordinator, defined GIS and explained how it is relevant to the Pigeon Creek Watershed Management Plan. He also described how the IDEM 319 grant was obtained.

Kathy Latz introduced herself as the facilitator, and explained how the meeting would take place. The following topics were addressed by public comment:

**Why Are You Here?**

Little Long Lake Water Quality  
Prevent West Otter Lake Flooding  
Hogback Lake Flooding  
Environmental Stewardship

Learn What I can do  
Landowner / Farmer  
Broken Tile / Wetland  
Wastewater Treatment Plant Overflows

**Natural Resource Concerns:**

Listed by ranking (total value / number of votes)

Little Long Lake Water Quality (67/30)	Common ground between humans and natural resources (7/3)
Water quality (46/19)	Nothing will be done (7/4)
Water pollution (17/9)	Financial (7/5)
Prevent West Otter Lake flooding (17/13)	Less development (6/2)
Unsewered areas / Non Point Source (16/7)	Wildlife (6/3)
Pigeon Creek Dredging (15/8)	Hogback Lake Flooding (5/3)
Flooding (15/8)	Wetland enhancement (5/2)
Angola bypass sewage to Pigeon (11/5)	Farm run-off (4/2)
Opposition to maintaining regulated drains (11/4)	Drainage – open ditch, highway, road (4/3)
Broken Tile / Wetland (9/4)	Property values because of retention ponds (3/1)
Bacteria (8/5)	Overextending of campgrounds (3/1)
Soil erosion (8/6)	Implement Plan (3/1)
Environmental Stewardship (2/1)	Lakers that want high water / flooded farms (1/1)
Dying lakes (2/1)	Water Quality signs
Spirit of cooperation (2/1)	Save small wetlands
Debris (1/1)	Campgrounds with more docks, boats, pollution
Sediment ponds (1/1)	Sediment
Carryout plan (1/1)	
Fish contamination (1/1)	

**Local Efforts:**

Upgrade of Angola sewage facility	Sewering of West Otter
Future lagoon south of Angola	Stricter rules for Storm water Retention
Filter strips	Being here to find solution
Water testing	Angola Storm Sewer separation
Notification of CSO	Grassed waterways / Conservation Reserve Program
Programs for Gully erosion	Government retention ponds
No-till	Conservation plans by farmers
Illicit discharge detection	

**Proposed Solutions for top Natural Resource Concerns:****Long Lake Pollution / Water Quality:**

Angola takes care of sewage	10% more separation (sewer)
Retention pond	Dye testing
Aeration of Pigeon to break-up solids	Find pollution sources, determinations
Septic system testing	Water treatment plant North of Angola
Reduction of CSO – retention pond	Ongoing water testing on Pigeon
Remove sheep farm	Sewer systems –lakes, everywhere
Go upstream	Higher drainage tax
Keep ditches clear	Enhance existing wetlands
Control sediment	Feasibility study

**Prevent West Otter Lake Flooding:**

Dredge Pigeon	Find a place for water to flood
Install West Otter Pumps	Quit dumping into Pigeon
Enhance wetlands above West Otter	Same as Long Lake
Retention ponds	Get permission from DNR to dredge
Better use of gates at Mongo	Promote Soil and Water Conservation
Underground storage	Slow down water in Hammond ditch

**Pigeon Creek Dredging:**

Just do it	Check history of Pigeon dredging (1943 study)
Permission from State	
Start downstream	Stop wasting money on surveys
Removal of what is dredged	Stop building on wetlands
	Dredge specific areas

**Unsewered Areas / Non-Point Source:**

Inspections	Sewer systems
Dye testing	Feasibility studies
Intensive, consistent water testing	Eliminate land application of septic tanks
Educate those in watershed	

**Summary:**

Beth Williams and Chad Hoover asked for volunteers for the Steering Committee, and explained that it will involve 8 additional meetings. Matt Ridenour thanked the group for attending, reiterated that this is a 2-year project including the whole watershed, and future funding is dependent upon a publicly developed Watershed Management Plan. The next meeting is tentatively scheduled for August.

Public Meeting: March 25, 2004 Attendees:

PIGEON CREEK WATERSHED MANAGEMENT PLAN				
PUBLIC INPUT MEETING - MARCH 25, 2004				
NAME	ADDRESS	PHONE #	E-MAIL ADDRESS	Additional Participation
Angela Beach	2245 W Long Lake Rd			
Tim Frederick	2795N 200W			
Loyal Wilson	1698 S 875 N			
Ron Smith	6005 Puritan Rd			
Margaret Berry	1855 W Long Lake Rd			
Henry Brown	620 E. Maumee Ave			
Michael Keleman	210N Public Sq, Angola			
Paul Carol Otto	2340 S. 370W. Pleasant Lake			yes
Jeff & Bobbie Kube	Steuben Co. Surveyors			
L. Kay Reed	4515 S 150 W, Angola			Yes
Red Hill	910 MOSS ANGOLA			
John Hughes	3120 S 800W. Hudson		County Council	
Greg Hughes	6804 W - 4005 Pleasant Lake			
Velda Dose	480 W N 330 Big Otter			
Bill Boyer	210N Public Sq			
WAYNE CRAWL	6395 S 50W Pleasant Lake			
DAVE SWARTZ	5479 W 500 S Hudson			X

PIGEON CREEK WATERSHED MANAGEMENT PLAN				
PUBLIC INPUT MEETING - MARCH 25, 2004				
NAME	ADDRESS	PHONE #	E-MAIL ADDRESS	Additional Participation
Kevin Willibe	450 S. 400 E. Angola			
Rox Wilmbert	450 S 400 E Angola			
Danny Bowick	1200 W 120W Angola			
Tom Green	3780 S 150W, PL			
Tom Johnson	220 S W Long Lake Rd			
Steve Bance	2105 W Long Lake Rd			
Kathy Bance McCoy	2095 W Long Lake Rd			*
Bob & Anne Boney	2295 W Long Lake Rd			
Dick Dodge	555 W Parkview Dr Pleasant Lake			
Opal Faye	2110 W Long Lake Rd. Pleasant Lake, IN			
James Faye	" " " "	" " " "		
SIM MEASEL	110 N PUBLIC SQ. APT #3-5			
Dick Heckman	1418 E. Maumee			
John & Nancy Williamson	220 Lima 102 W of Otter Lake			PHN
Barbara Winters	5715 S 50 W Pleasant Lake			
Annie Winters	2095 S Long Lake Rd. Pleasant Lake, IN			
Judith Winters	2030 W Long Lake Rd. Pleasant Lake, IN			
James A. Powell	3285 E. Motel Rd Ang.			

Public Meeting: March 25, 2004 Attendees (Cont'd):

PIGEON CREEK WATERSHED MANAGEMENT PLAN				
PUBLIC INPUT MEETING - MARCH 25, 2004				
NAME	ADDRESS	PHONE #	E-MAIL ADDRESS	Additional Participation
ANTHONY J. OLIVETTO	370 E 29th W, 01708 LK	[REDACTED]		
DAVID MARTIN	ANGOLA			
Douglas Smith	4395 E Metz Rd	[REDACTED]	Steering Committee	[REDACTED]
Ronda Walters	590 S. 600 E - Angola	[REDACTED]		
Brittany Hillway	720 W 100 N - Angola	[REDACTED]		
Angie Maresker	318 Randolph Angola	[REDACTED]	neighbor	Yes for Rotation
Bob Newman	SWCD Volunteer			
Tom Tittschel	1805 W Long Lake Rd	[REDACTED]		
Mandy Tittschel	4331 Lantz Rd. Shrewell, IN	[REDACTED]		

PIGEON CREEK WATERSHED MANAGEMENT PLAN				
PUBLIC INPUT MEETING - MARCH 25, 2004				
NAME	ADDRESS	PHONE #	E-MAIL ADDRESS	Additional Participation
Bill L. Walters	2035 Long Lake Rd, Short Lake	[REDACTED]		
Jim Aikman	395 Long 110 Highway area	[REDACTED]	[REDACTED]	X
Paul Smith	1400 E. Jackson road	[REDACTED]		
Bob & Gloria Glick	217 N. Boyson St. Angora	[REDACTED]	[REDACTED]	X
Paula Jean Pittschel	11202 Macdonald Rd Chippewa, OH	[REDACTED]		

PIGEON CREEK WATERSHED MANAGEMENT PLAN				
PUBLIC INPUT MEETING - MARCH 25, 2004				
NAME	ADDRESS	PHONE #	E-MAIL ADDRESS	Additional Participation
Wendy Shumaker	1185 W Long Lake Rd Pigeon Creek, IN	[REDACTED]		
Misty Shumaker	1685 W Long Lake Rd P. LAKE	[REDACTED]	[REDACTED]	
Kick & Cindy Wells	7605 W Long Lake Rd 46779	[REDACTED]	[REDACTED]	
Mark Smith				

(15) (62)

## Pigeon Creek Watershed Management Plan Public Input Meeting

September 14, 2004 6:30PM

Multi-Purpose Room, Steuben County Community Center

Tom Green welcomed everyone to the second of four public input meetings, and gave a short history of the project to this point. He mentioned that the steering committee has met three times. The purpose of the committee is to review the concerns from the first public meeting, guide V3 during the development of the management plan, and provide additional data as requested. A questionnaire was distributed so that information could be gathered on some specific practices in the watershed.

Greg Wolterstorff, V3 Consultants, gave a presentation on some typical watershed 'solutions' that can be implemented to alleviate some of the problems that have been identified in the watershed. Included were wetlands, engineered structures, and green practices (rain gardens, green roofs, etc). While presenting these options, he gave an explanation of each, and discussed the benefits. Kathy Latz then began the information gathering portion of the meeting, explaining that we are looking for specific problem areas and then suggested solutions for the areas.

### Suggested potential problem areas (in no particular order):

- County Road 275 South – Wood Ditch
- Long Lake through Hogback Lake flooding
- Golden Lake Rd to Golden Lake – Streambank erosion downstream right
- West Otter Lake sedimentation at inlet
- Stream erosion at entrance to Hogback Lake
- Long Lake – east end sediment build-up and high *E. Coli* levels
- Sediment build-up between Long Lake and Little Bower
- Steuben Township Park sedimentation
- Erosion between Long Lake and Little Bower
- Sediment (1000' plume) at Hogback Lake inlet
- Raw sewage upstream of Boy Scout Property
- Ashley Wastewater Treatment Plant discharges - raw sewage
- High wet-weather *E. Coli* levels on Jackson and Wood ditch
- High dry-weather *E. Coli* levels- in Jackson and Wood ditch and upstream of Bill Deller Road
- West Otter Lake outlet – Beaver Dam
- West Otter Lake gate (outlet) chained up
- Combined sewer overflow from Angola 002
- Too many combined sewer overflows
- Road flooding (water over the road) on CR 275 S, CR 475 S, Fanning Rd between Golden Lake and Hogback Lake
- Animals on buffer strips – US20, 150 W at railroad tracks, 500 S
- Airport expansion

**Suggested solutions (in no particular order):**

- Filtration along ditches
- Removal of downspouts from sanitary system
- Dredging of sediment
- City of Angola to separate sanitary and storm sewers
- Stop new building and asphalt
- Artificial wetlands at County Road 275 S and CR 150 W by the railroad tracks
- Holding pond before Angola Wastewater Treatment Plant
- Main sewer on-line interceptor
- Blending of city and county drainage – more restrictive
- On-site stormwater retention – underground or infiltration
- Require in city and county ordinances to use new stormwater technology i.e. green roofs and water gardens
- Work w/ DNR – restrictions on removing sandbars
- Upstream detention / retention wetlands
- Wetlands at John Leach ditch at Commons Park
- Written report
- Bacterial Source Tracking
- Control geese population
- Education
- Fence animals out of the stream
- Manure management
- Wetland / pond creation on private property on Waymire Road
- Retaining wall between Golden Lake and Bower Lake and a filter strip
- Dredge Mud Lake (south of 275 S)
- Pleasant Lake retention pond for storm drains
- Write to Congressman/politicians to encourage funding sources

**Ongoing efforts that were mentioned:**

- Angola Wastewater Treatment Plant is working with IPFW professor to have samples analyzed to track *E. Coli* sources (Bacteria Source Tracking).
- Local agriculture producers are ahead of surrounding counties and states as far as conservation practices, i.e. filter strips, conservation tillage, livestock management.

Once the potential problem sources and solutions were gathered, Tom reminded the group that their participation was important in developing the watershed management plan. One method is to fill out and return the questionnaire that was distributed. Copies are available to take back neighbors, please have them to Beth by October 1. He also announced that the next public input meeting is tentatively scheduled for the spring, and that in the mean-time, the steering committee would continue to meet to review the development of the management plan. The final input meeting should be held next fall, with the presentation of the management plan.

Public Meeting: September 14, 2004 Attendees

PIGEON CREEK WATERSHED MANAGEMENT PLAN			
PUBLIC INPUT MEETING - September 14, 2004			
NAME	ADDRESS	PHONE #	E-MAIL ADDRESS
Beth Williams	Steuben SWCD		
Tom Green	Steuben SWCD		
Michael Keleman	City of Angola		
Bill Walters	2135 Long Lake Rd.		2270 CR-56, AUBURN 46701
Paul & Gloria Glick	2035 Laurel Lane Rd	[REDACTED]	
Jayne Branes	2105 W Long Lake Rd	[REDACTED]	
Michael Halladay	3005 S Calder Hill Rd	[REDACTED]	
Cindy Wells	1665 W Long Lake Rd	[REDACTED]	[REDACTED]
Shirley Blumstein	1685 W Long Lake Rd	[REDACTED]	[REDACTED]
Bruce & Kathy McCoy	2095 W Long Lake Rd	[REDACTED]	[REDACTED]
Joseph McCoy	2095 W Long Lake Rd	[REDACTED]	[REDACTED]
Trotter Birch	2245 W Long Lake Rd	[REDACTED]	[REDACTED]
Bill Boyer	1700 S 200 E Angola	[REDACTED]	[REDACTED]
Ed Galston	1480 E Hannelman Rd	[REDACTED]	[REDACTED]
Joe Daw	TNC	[REDACTED]	
Juan Gaston	2100 W Long Lake Rd PLEASANT LK 46729	[REDACTED]	[REDACTED]
Max Favourite	4005 575W PLEASANT LAKE IN 46729		
J Aikman	595 W 110 Hay Lake	[REDACTED]	[REDACTED]

PIGEON CREEK WATERSHED MANAGEMENT PLAN			
PUBLIC INPUT MEETING - September 14, 2004			
NAME	ADDRESS	PHONE #	E-MAIL ADDRESS
Ronal Sanders	1460 E JOHNSON Lake Rd	[REDACTED]	
Wayne Crowl	6395 S W P Lake	[REDACTED]	
Scott Kaulden	600 E 5005 P Lake	[REDACTED]	
Tom Fernal	5800 S W P Lake	[REDACTED]	
Patricia Haffner	1680 LAKE W. QUINCY LA	[REDACTED]	[REDACTED]
Jimm Bender	Steuben SWCD		
B. Newman	NPCS Volunteer		

PIGEON CREEK WATERSHED MANAGEMENT PLAN			
PUBLIC INPUT MEETING - September 14, 2004			
NAME	ADDRESS	PHONE #	E-MAIL ADDRESS
William & Libby Hancock	5800 W Long Lake Rd P Lake	[REDACTED]	
David Martin	CITY OF ANGOLO		[REDACTED]
Gene Bowen			

## **Pigeon Creek Watershed Management Plan Public Input Meeting**

*March 22, 2005 6:30PM*

*Multi-Purpose Room, Steuben County Community Center*

Chad Hoover opened the meeting by thanking everyone for their participation in the project. He gave a short history of the project, explaining that funding was obtained through an IDEM 319 grant and that the purpose of writing the management plan is so that watershed problems and solutions could be identified. Most grant applications require a management plan, and this will provide us with opportunities to apply for grants to improve the watershed. Chad also explained that this was the third of four public meetings, and that this evening, V3 Consultants would be presenting a draft of the management plan.

Ed Belmonte and Shawn Arden, V3 Consultants, gave a presentation outlining several potential projects that could be installed to address the problems that were brought forward by attendees of the first public input meeting. Ed reviewed the ranking process from the first public input meeting that was held in March 2004. Among the top ranking concerns were flooding and water quality. The potential projects included: wetland restoration/creation on the Wood Ditch at the former Kankamp property; flood control structure at Bill Deller Rd.; sediment traps at Wood Ditch, Jack Ditch, Johnson Ditch, and mouth of Long Lake, and using a gravel pit as a flood storage facility. Other possibilities that have an unspecified location include: in-stream grade control structures, filter strips and vegetative buffers.

Several comments were made about the flap gate at the outlet of West Otter Lake into Pigeon Creek. There were differing opinion about how the gate is managed, and when the gate is lowered. Residents of West Otter Lake stated that the gate is left open in most conditions to allow debris to flow through; preventing log jams from clogging the outlet. They also stated that the gate is lowered in times of high flow on the Pigeon Creek, but sometimes that pressure prevents the gate from opening and relieving the pressure on West Otter Lake.

There was also concern about how much public input would be gathered before the potential practices were implemented. Property owners that would be affected by these projects would like to have the opportunity express their opinions. It was explained that the projects presented were only suggestions to solving the problems that were stated at the previous 2 public input meetings, and that there are factors that would affect their installation, including but not limited to: landowner buy-in, availability of funding, obtaining numerous permits, and land acquisition.

Beth Williams closed the meeting by informing the audience that copies of the draft Watershed Management Plan were available on the tables for review. She asked that if anyone has comments, additional input, etc that it be submitted in writing, and can be delivered to Beth, Chad, or V3.

Public Meeting: March 22, 2005 Attendees:

PIGEON CREEK WATERSHED MANAGEMENT PLAN			
PUBLIC INPUT MEETING - March 22, 2005			
NAME	ADDRESS	PHONE #	E-MAIL ADDRESS
Margann H Berry	PO Box 225 P Lake	[REDACTED]	
Everett Nichols	3055 S Wolf Dr P Lake	[REDACTED]	
Wanda Gatti Haffner	1620 Ln 110 W Otter Lk	[REDACTED]	
Wana Slack	621N 201A W Otter Lk	[REDACTED]	
Paul Carl Otter	22403 390 W Pleasant Hill	[REDACTED]	
Joseph Blaney	2050 24 Army St Rd, Pleasant Hill	[REDACTED]	
Pat Jackson	455 W 400 St Painesville	[REDACTED]	
Dick Anderson	1478 E Monroe, Angola	[REDACTED]	[REDACTED]
Rena Sanders	1460 E Monroe Ave Angola	[REDACTED]	[REDACTED]
Ken Smith	610 S Main Rd P Lake	[REDACTED]	
Scott Van Olsan	600 E 3005 P Lake Jn	[REDACTED]	
Tom Friend	5390 S 1000 E P Lake Jn	[REDACTED]	[REDACTED]
LINDA HANSEN	3769 S 275 E ANGOLA	[REDACTED]	
ERIC HANSEN	" " "	" "	

PIGEON CREEK WATERSHED MANAGEMENT PLAN			
PUBLIC INPUT MEETING - March 22, 2005			
NAME	ADDRESS	PHONE #	E-MAIL ADDRESS
JO BENDER	ANGOLA		
Donalda Harty	Angola		
John Hughes	3120 N 200 W Hudson, IN 46779	[REDACTED]	[REDACTED]
Wally Krummer	1625 W Long Lake Rd Pleasant Hill	[REDACTED]	[REDACTED]
Lady Wells	1605 W Long Lake Rd Pleasant Hill	[REDACTED]	[REDACTED]
Al Van Hooy	2310 E 3000 Box 71 Mingo, IN	[REDACTED]	[REDACTED]
KEN + HELEN MILLER	2801 W 200 W Otter Lk	[REDACTED]	
Ed Ralston	1480 E. Hancock Rd - RN	[REDACTED]	
Bill Boyer	1708 S 200 E	[REDACTED]	[REDACTED]
SAM MANKING	2201 LN 201 W Otter Lk	[REDACTED]	
Doug Smith	4395 E 400 St R1 Anglin	[REDACTED]	
Michael Kissau	100 Lake 100 Lk Arrowhead	[REDACTED]	
Deborah Kissau	" "	[REDACTED]	
Jim Aikman	395 Ln 110 Haystack Lane	[REDACTED]	[REDACTED]
DAVE SWARTZ	5494 W. 500 S.	[REDACTED]	[REDACTED]
WAYNE CROWL	6395 S 500 P. LAKE	[REDACTED]	
Joyce Brannon	405 W Long Lake Pleasant Hill	[REDACTED]	
Steve Brannon	210 SW Long Lake Pleasant Hill	[REDACTED]	

PIGEON CREEK WATERSHED MANAGEMENT PLAN			
PUBLIC INPUT MEETING - March 22, 2005			
NAME	ADDRESS	PHONE #	E-MAIL ADDRESS
Natalie Robey	2 235 W LONG LAKE	[REDACTED]	
Lydia Nove	480 LN 390 Big Otter Lk	[REDACTED]	
Steve Cramer	620 E Monroe	[REDACTED]	
CASEY Mendenhall	2491 Bill Dellar Road	[REDACTED]	[REDACTED]

PIGEON CREEK WATERSHED MANAGEMENT PLAN			
PUBLIC INPUT MEETING - March 22, 2005			
NAME	ADDRESS	PHONE #	E-MAIL ADDRESS
Mayo Sanders	Box 628 Front	[REDACTED]	

Public Meeting: March 22, 2005 Attendees (Cont'd):

PIGEON CREEK WATERSHED MANAGEMENT PLAN			
PUBLIC INPUT MEETING - March 22, 2005			
NAME	ADDRESS	PHONE #	E-MAIL ADDRESS
Tim Kocel	2005 N. Delaware Twp. IN	[REDACTED]	[REDACTED]
Bob Ledgen	1651 N. W. 27th St	[REDACTED]	[REDACTED]

PIGEON CREEK WATERSHED MANAGEMENT PLAN			
PUBLIC INPUT MEETING - March 22, 2005			
NAME	ADDRESS	PHONE #	E-MAIL ADDRESS
JIM MEASEL	WIKI	[REDACTED]	[REDACTED]

*Current Watershed Concerns*

During the public meeting of March 2004, watershed stakeholders were invited to share their concerns regarding the Pigeon Creek Watershed with the Steering Committee. Stakeholders were asked to identify their concerns in order of importance. Concerns of greater priority were weighed heavier. At the end of the exercise, the issues receiving the most “points” included the overall water quality in the Pigeon Creek Watershed, pollution in Long Lake, frequent flooding around West Otter Lake, and potential dredging of Pigeon Creek. Additional concerns included preservation, wetland enhancement, control of highway stormwater runoff, inundation of farmland due to high lake levels, installation of aeration weirs in Pigeon Creek, and the implementation of erosion control best management practices on erosion-prone farmlands. Table 2 presents the overall list of concerns raised at the public meeting, along with the associated scoring breakdown.

The concerns presented at the March 2004 public meeting echoed discussions held two years earlier at a 2002 Pigeon Creek Planning Meeting. At this meeting, stakeholders discussed their concerns regarding the Pigeon Creek Watershed with the Steuben County Soil and Water Conservation District and submitted a list of concerns following the meeting. In addition to the issues raised at the 2004 public meeting, stakeholders were concerned with increases in impervious area due to future development, the need to implement best management practices on Lower Pigeon Creek similar to those in use upstream, point source compliance, habitat and tree protection, and educating the public at large regarding watershed conservation.

The Pigeon Creek Watershed Management Plan is specifically created to address the concerns of the users of this natural resource. Accordingly, the plan will emphasize measures to improve water quality, flooding, and non-point source pollution issues. The plan accomplishes this goal by following the “Watershed Management Plan Process” flow chart prepared by the Indiana Department of Environmental Management (IDEM) and shown in Figure 2.

Concern	Total Vote Value	Total Votes
Little Long Lake Water Quality	67	30
Water quality	46	19
Water pollution	17	9
Prevent West Otter Lake Flooding	17	13
Unsewered areas / Non Point Source	16	7
Pigeon Creek Dredging	15	8
Flooding	15	8
Angola bypass sewage to Pigeon	11	5
Opposition to maintaining regulated drains	11	4
Broken Tile / Wetland	9	4
Bacteria	8	5
Soil erosion	8	6
Common ground between humans and natural resources	7	3
Nothing will be done	7	4
Financial	7	5
Less development	6	2
Wildlife	6	3
Hogback Lake Flooding	5	3
Wetland enhancement	5	2
Farm run-off	4	2
Drainage – open ditch, highway, road	4	3
Property values because of retention ponds	3	1
Overextending of campgrounds	2	1
Implement Plan	2	1
Environmental Stewardship	2	1
Dying lakes	2	1
Spirit of cooperation	2	1

**Table 2: Watershed Concerns Identified by Stakeholders at the March 2004 Public Meeting.**

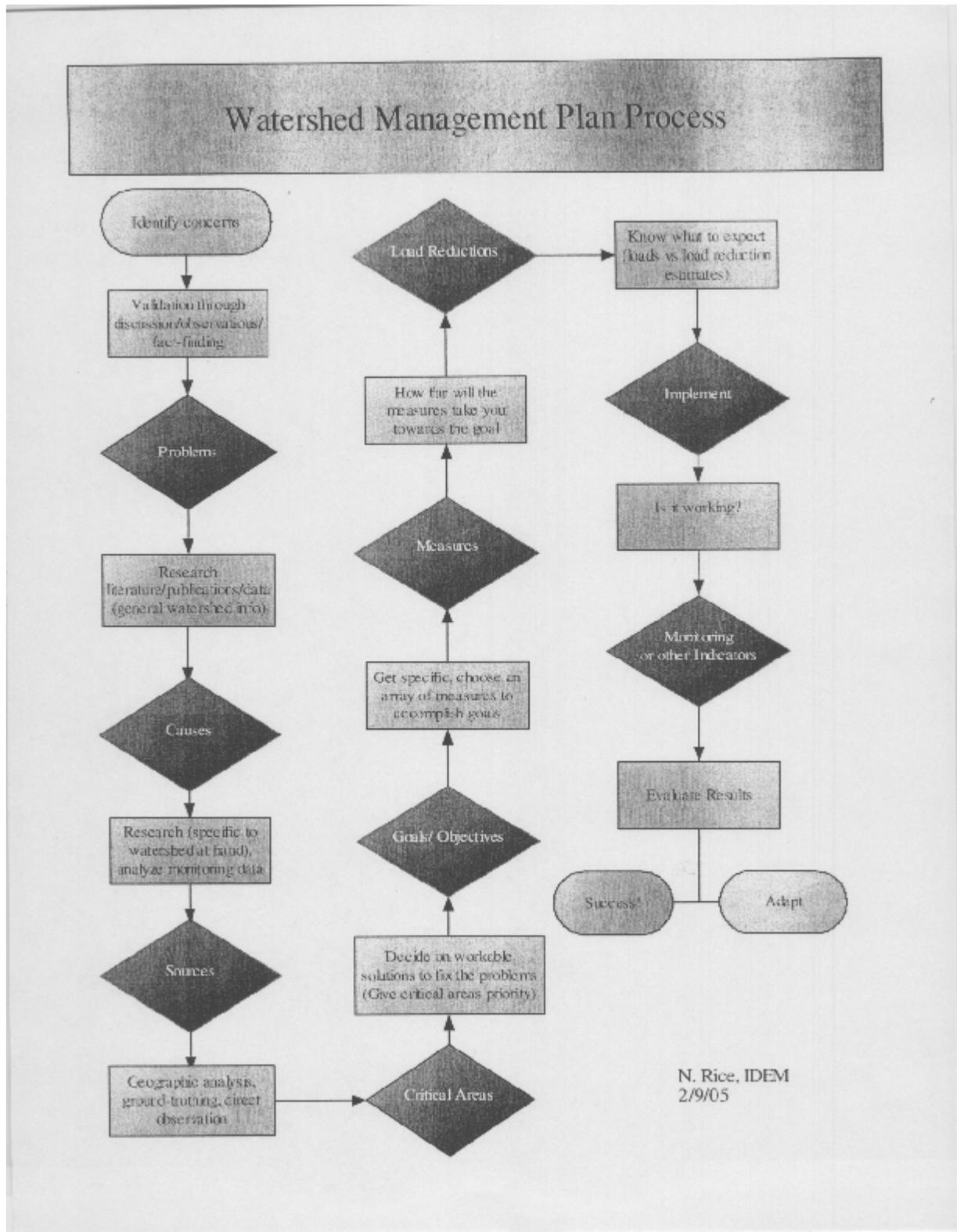


Figure 2: IDEM Flow Chart for Watershed Management Plans.