BOARD OF SUPERVISORS

Brown County

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LAND CONSERVATION SUBCOMMITTEE
Norb Dantinne, Chair
Dave Kaster, Vice Chair
Bernie Erickson, Mike Fleck, Dan Haefs, Norbert Vande Hei

LAND CONSERVATION SUBCOMMITTEE
Monday, February 28, 2011
6:00 p.m. (PD&T to Follow)
Room 161, UW-Extension
1150 Bellevue Street

** Note Time & Location **

I. Call Meeting to Order.

II. Approve/Modify Agenda.

III. Approve/Modify Minutes of Land Conservation Subcommittee of January 24, 2011.

1. Update on Great Lakes Restoration Initiative Grants - introduce two technicians hired Rob Vesperman (Baird Creek), Mike Mushinski (West Shore).

2. Wildlife Damage Program Report – Jon Bechle.

3. Review and Approval of 2010 Annual Report and 2011 Annual Work Plan for Land and Water Conservation Department- Bill Hafs. (Attached)

4. Such other matters as authorized by law.

5. Adjourn.

Norb Dantinne, Chair

Notice is hereby given that action by the Committee may be taken on any of the items which are described or listed in this agenda.
Please take notice that it is possible additional members of the Board of Supervisors may attend this meeting, resulting in a majority or quorum of the Board of Supervisors. This may constitute a meeting of the Board of Supervisors for purposes of discussion and information gathering relative to this agenda.

PROCEEDINGS OF THE BROWN COUNTY
LAND CONSERVATION SUBCOMMITTEE

Pursuant to Section 18.94 Wis. Stats., a regular meeting of the **Brown County Land Conservation Subcommittee** was held on Monday, January 24,, 2011 at Advance Business Solutions – 2701 Larsen Road, Green Bay, WI

Present: Norb Dantinne, Bernie Erickson, Mike Fleck, Dan Haefs, Dave Kaster
Excused: Norb VandeHei
Also Present: Bill Hafs

I. **Call Meeting to Order:**
The meeting was called to order by Chairman Norb Dantinne at 6:00 p.m.

II. **Approve/Modify Agenda:**
LCC Director, Bill Hafs, asked that #2 be held until February – Introduction of new Technicians.

Motion made by Supervisor Erickson and seconded by Kaster to approve the agenda as modified. MOTION APPROVED UNANIMOUSLY

III. **Approve/Modify Minutes of Land Conservation Subcommittee of November 29, 201:**

Motion made by Fleck and seconded by Supervisor Kaster to approve the minutes. MOTION APPROVED UNANIMOUSLY

1. **Land & Water Conservation Department Monthly Budget Update November 30, 2010:**

Director Haefs indicated that budget items are in line for this time period.

Motion made by Supervisor Erickson and seconded by Supervisor Fleck to receive and place on file. MOTION APPROVED UNANIMOUSLY

2. **Update on Great Lakes Restoration Initiative Grants – Introduce two Technicians hired: Rob Vesperman (Baird Creek), and Mike Mushinski (West Shore):**

Motion made by Erickson, seconded by Haefs to hold until February meeting. MOTION APPROVED UNANIMOUSLY

3. **Such Other Matters as Authorized by Law:**
A handout from the "Fox River Current", Winter 2010, an update from the Lower Fox River Intergovernmental Partnership was distributed and is attached.

Hafs pointed out that five area restoration projects were selected this year to receive approximately $4.5 million in Great Lakes Restoration Initiative funding. They include: Cat Island Chain Restoration, West Shore/Green Bay Northern Pike Habitat Restoration, Baird Creek Riparian Protection Project, Integrated Stream and Wetland Restoration in the Green Bay Area of Concern, and Eradicating Giant Reed Grass (Phragmites) from coastal areas along Lake Michigan.

Hafs stated that to date $36 million in settlement funds have supported over 100 restoration projects with an additional $22 million in matching funds from project partners.

Motion made by Fleck, seconded by Erickson to receive and place on file. MOTION APPROVED UNANIMOUSLY

4. **Adjourn:**

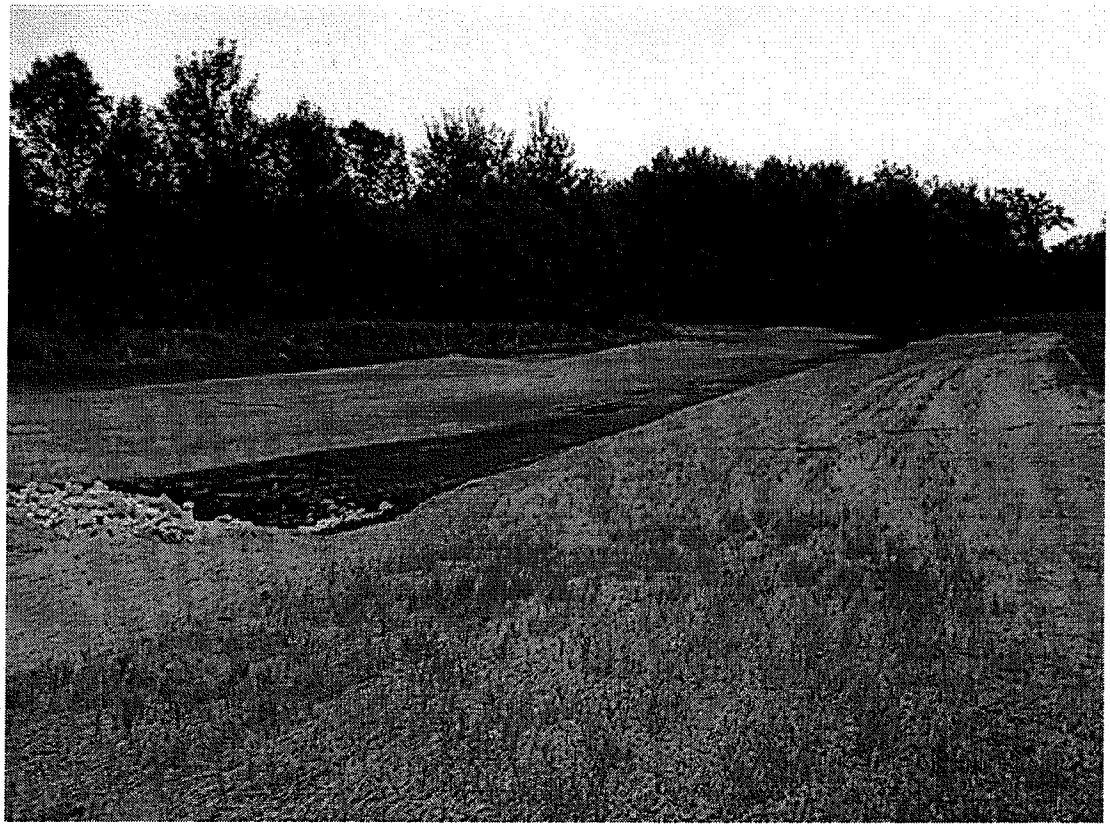
Motion by Supervisor Erickson, seconded by Supervisor Haefs to adjourn at 6:05 p.m. MOTION APPROVED UNANIMOUSLY

Respectfully submitted,

Rae G. Knippel,
Recording Secretary

BROWN COUNTY
LAND and WATER CONSERVATION DEPARTMENT

2010 Annual Report
And
2011 Work Plan



Buffer strip, erosion netting, culvert repair on Midwest Expansion West Shore Pike Habitat Restoration Project.

Land Conservation Committee

The Land Conservation Committee is a standing committee of the Brown County Board. County governments are authorized to create a committee that broadly represents local interests for the conservation of soil, water, and related natural resources in each county.

Section 92.06 of the Wisconsin State Statutes require that "each county board shall create a Land Conservation Committee" comprised of "at least two persons who are members of the Committee on Agriculture and Extension Education" of the County Board of Supervisors, the Chairperson "of the County Farm Services Agency Committee or another member of that committee as designated by its chairperson". Any number of persons "who are also members of the County Board", may also serve on the LCC.

2010 Land Conservation Committee Members

Norbert Dantinne Jr., Chairperson
5250 Finger Rd
Green Bay, WI 54311
(920)863-6362

Dave Kaster, Vice Chairperson
3008 Monroe Rd.
De Pere, WI 54115
(920)336-0221

Bernie Erickson
868 Dousman St.
Green Bay, WI 54303
(920)497-9006

Daniel Haefs
1917 Smith Street
Green Bay, WI 54302
(920) 432-0069

Mike Fleck
1402 Charles St.
De Pere, WI 54115
(920)336-3776

Norbert Vande Hei, Farm Service Agency (FSA)
5681 Glenmore Rd.
De Pere, WI 54115
(920)863-2869

2010 Land Conservation Department Staff

William Hafs, County Conservationist
Jim Jolly, Program Manager
Jon Bechle, Program Manager
Dave Wetenkamp, Technician-Engineering
Chris Flicek, Technician-Engineering
Paul Lemke, Technician-Agronomist
Brent Peterson, Technician-Agronomist
Brad Holtz, Technician-Agronomist
Rama Zenz, Technician
Larry Kriese, LTE- Pike Habitat Project
Kyle Buresh- Intern Pike and Baird Creek

ADOPTED RESOLUTIONS

- Brown County Land Conservation Committee formed (May 19, 1982).
- Specified powers and responsibilities of Land Conservation Committee enumerated in Section 92.07 of Wisconsin State Statutes (May 18, 1983).
- Designated the Land Conservation Department county agency to participate in NR243 Animal Waste Management Program (March 21, 1984).
- Farmland Preservation Plan for Brown County (June 20, 1985).
- Brown County Animal Waste Storage Facility Ordinance (April 16, 1986).
- Brown County Manure Management Water Pollution Control Plan (June 20, 1986).
- Wildlife Damage Abatement and Wildlife Damage Claim Program (September 17, 1987).
- Brown County Erosion Control Plan (March 18, 1988).
- East River Priority Watershed Plan (May 15, 1991).
- Streambank Protection Ordinance (October 18, 1991).
- Approved membership and participation in the Great Lakes Nonpoint Abatement Coalition (GLNAC) Wisconsin Chapter (July 26, 1993).
- Red River/Sturgeon Bay Priority Watershed Plan (September 20, 1996).
- Branch River Priority Watershed Plan (January 30, 1996).
- Duck, Apple/Ashwaubenon Creeks Priority Watershed Plan (May 21, 1997).
- Brown County Agricultural Shoreland Management Ordinance (June 12, 1998).
- Revised the Animal Waste Facility Ordinance (April 1986) to create Chapter 26 Animal Waste Management of the Brown County Code (January 20, 1999).
- Land and Water Resource Management Plan for Brown County (March 17, 1999).
- Approval of Conservation Reserve Enhancement Program (December 19, 2001).
- 2004 – 2008 Land and Water Resource Management Plan (January 21, 2004).
- Creation of Special Revenue fund of $40,000 for groundwater contamination of wells through 2009 (October 18, 2006).
- Revised the Animal Waste Management Ordinance to include groundwater protection provisions including winter spreading plan requirements and unconfined manure pile definitions (November 13, 2006).
- Revised the Brown County Animal Waste Ordinance to clarify nutrient management plan requirements and add NRCS 313 language (June 27, 2007).
- Approval of 2009-2013 Brown County Land and Water Resource Management Plan (November 10, 2008).
- Resolution approving new positions for Great Lakes Restoration Initiative grants for West Shore Pike Habitat Restoration Project and Baird Creek Riparian Protection Project (November 8,2010).
- Resolution Requesting Wisconsin DNR to set Reasonable Wolf Population Goals for the State of Wisconsin. (December 15, 2010).

2010 ANNUAL REPORT SUMMARY

1 mile of Buffer strips installed and **6.15 acres** of wetland restoration projects in West Shore Pike Habitat Restoration Project.

$74,590.51 in cost share for conservation practices distributed to West Shore Pike Habitat Restoration Project landowners.

3.1 miles of buffer strips installed in Baird Creek (100% of section 6 Humboldt buffers installed).

17.1 Total miles of buffer strips installed in Brown County.

5,000 acres of new 590 plans (nutrient management).

115,000 (109,000 acres in 2009) acres of nutrient management plans (590) reviewed.

2 unused wells were abandoned.

83 winter spreading plans developed (100 winter spreading plans were developed in 2009).

20 animal waste permits issued. (**1 abandonment**, **10** new permits or alterations, **9** feedlots).

28 inspections of animal waste storage facilities with livestock greater than 500 animal units; **20 of 28 inspected were not in compliance** (fencing, runoff, overflows) and need to take corrective actions to bring their animal waste storage facility or feedlot into compliance. Sent letters to all landowners informing them of state and county nutrient management planning (590) requirements and animal waste storage requirements per state statute and county ordinance.

39 complaints were investigated of which **28** were violations to the Brown County Animal Waste Ordinance,

26 of 28 complaints resulted in landowner agreeing to and achieving compliance. 1 complaint referred to corporation counsel for enforcement.

$66,599.32 State Land and Water Plan dollars provided to landowners in cost-share in 2010.

$62,520.16 Targeted Resource Management program dollars expended in cost share in 2010.

9 Wildlife Damage claim requests reviewed totaling approximately **$40,000** from State funding. Issued **7** shooting permits (4 deer, 3 turkey).

31deer were processed for Hunt for the Hungry.

18,000 hardwood and evergreens sold through the annual tree sale.

East River (208), **Branch River (190)**, **Red River (52)**, and Duck, Apple/Ashwaubenon Creeks (200) cost share contracts and conservation practices installed and were monitored in priority watersheds.

Brown County Waste Transformation Project:
The project completed a second year of field trials which produced favorable results. UW researchers concluded that the 4-blend product is viable. As part of their Solids Facility upgrades the Green Bay Metropolitan Sewerage District is proposing to manufacture a natural-based fertilizer from their Waste Activated sludge and certain industrial waste streams. BCWTI stakeholders, Ag Ventures LLC & Encap have indicated their desire to purchase and market this product. What is still to be determined is how animal waste could be incorporated in this plan. Capacity limitations and disposal costs need to be worked through. We know that animal waste must be separated at the farm and must be characterized prior to delivery.

LAND & WATER CONSERVATION FUNDING HISTORY

Brown County Program History 1983-2009	Total Grant $ 1983-2009 (a)	Grant $ 2010 Spent (b)	Total Grant$ 1983 – 2010 Spent (a+b)
West Shore Pike Restoration Project NRDA, GLRI	$234,589	**$74,590.51**	**$309,179**
Baird Creek Buffer Project Great Lakes Restoration Project	0	**$12,099.50**	**$12,099**
Land and Water Resource Management	$944,556	**$66,599.32**	**$1,011,155**
Technical Assistance Staff	$11,257,524	**$158,779**	**$11,416,303**
Farmland Preservation	$15,795,779	**$400,000**	**$16,195,779**
TRM Targeted Resource Management Grant DNR	$300,000	**$62,520.16**	**$362,520**
Wildlife Damage Abatement Program	$672,904	**$60,373.09**	**$733,277**
Branch River Priority Watershed	$3,016,516	Project complete	**$3,016,516**
East River Priority Watershed	$2,729,332	Project complete	**$2,729,332**
Duck, Apple/Ashwaubenon Creeks Priority Watershed	$1,445,515	Project complete	**$1,445,515**
Red River Priority Watershed	$228,838	Project complete	**$228,838**
Ag Shoreland Mgmt Program & Town Shoreland Management	$630,476	Projects complete	**$790,301**
Kewaunee River Priority Watershed	$135,103	Project complete	**$135,103**
Conservation Reserve Enhancement Program (CREP)	$870,988	Project complete	**$870,988**
Plum Creek (Fed Grant 2002-04)	$24,998	Project complete	**$24,998**
Baird Creek grants (EPA Grant 1999, DNR, 2002-3 buffer grant)	$125,100	Project complete	**$125,100**
National Fish and Wildlife Foundation	$60,500	Project complete	**$60,500**
MALWEG (Mul Agency L&W Ed Grant) ARRA	$9,871	**$40,000**	**$49,871**
TOTAL GRANTS	**$38,642,414**	**$834,960**	**$39,517,374**
BROWN COUNTY LEVY FOR LWCD	$6,145,035	$498,442	$6,643,477

2010 ACCOMPLISHMENTS and 2011 GOALS
LAND & WATER CONSERVATION DEPARTMENT

(From 2013 State and County Approved Land and Water Resources Management Plan)

Priorities -Implementation schedule/ Work Plan Goal and Objective description	**A. Total est. needs B. Yearly Rate C. 2009-2013 Goals**	**2009**	**2010**	**2011**	**2012**	**2013**
Goal 1 - Identify priority farms						
1. Identify Ag operations with WPDES permit, ordinance permit, AGMZ, NR243	WPDES 15 Ord. permits 18	**33**	**32**			
2. Rank farms, high sediment fields, no 590 plan, other waste not on 590 plan, no winter spreading plan, no buffers	3 other waste 4 buffers NOV 6 no WSP	**13**	**9**			
3. Track implementation/ compliance	WPDES & Ord.	**33**	**32**			
4. Notify Priority farms/ needed actions. All landowners will be notified of state requirements and county ordinance requirements.	#1 + #2 3,805 landowners contacted by fee notice	**46**	**41**			
Goal 2- Implement Best Management Practices (BMP's) on Priority Farms						
1. Implement BMP's in Ag Groundwater Mgmt Zones						
Required activities:						
a. Require Buffers	A. 20 miles B. 2 mile/ yr C. 10 miles	**0**	**4**			
b. Prohibit unconfined manure piles 1000 feet of delivery systems	A. 5 B. 1/yr C. 5	**8**	**8**			
c. Prohibit winter spreading without winter spreading plan	A.10 B. 10/yr C. 50	**20**	**25**			
d. Yearly inspection of Animal Waste Storage Facilities (in AGMZ) see map page	A.15 B.15/yr C. 75	**0**	**6**			
Recommended activities:						
a. No discharge of untreated waste from feedlots or milk house	A. 5 B. 1/yr C. 5	**0**	**2**			
b. No diversion of surface runoff into sinkholes or bedrock openings	TBD	**0**	**0**			
c. No drain tile outlets to sinkholes or bedrock openings	TBD	**3**	**0**			
d. No row crops or chemicals within 100 feet of delivery systems	TBD	**0**	**0**			
e. Spill response plan for waste storage, transportation of waste	TBD	**12**	**13**			
f. Immediate incorporation land applied waste	TBD	**300 ac**	**0**			

Priorities -Implementation schedule/ Work Plan Goal and Objective description	**A. Total est. needs** **B. Yearly Rate** **C. 2009-2013 Goals**	**2009**	**2010**	**2011**	**2012**	**2013**
g. Maximum application rates 3,000 gallons or 6,000 gallons per year	TBD	**6,000 ac**	**0**			
h. No animal waste or feed storage built within 400 feet of conduits to groundwater	TBD	**0**	**0**			
2. Animal Waste Mgmt Ordinance Chapter 26 admin.						
a. Install nutrient management plans new acres (total Ag acres 164,237. 140,000 acres estimated to be achievable, 90,000 installed end of 2008)	A. 50,000 B. 5,000 ac/yr C. 25,000 ac	**5,000 ac**	**6,000 ac**			
b. Annually Review and certify existing 590 plans. 95,000 - 115,000 ac	A.140,000 B.105,000 ac/yr C.105,000 ac/yr	**109,000 ac**	**115,000 ac**			
c. Annually review and approve 75 winter spreading plans	A. 75 B. 75/yr C. 375	**100**	**83**			
d. Install 5 State Manure Management Prohibitions per year	A. TBD B. 5/yr C. 25	**4**	**7**			
e. Annually inspect manure storage facilities 500au, over flows, liner failure	A. 38 B. 38/yr C. 190	**31**	**30**			
f. Upgrade non conforming animal waste storage facilities	A. 50 B. 1/yr C. 5	**2**	**1**			
g. Permitting and engineering for animal waste management ordinance	A.TBD B.15/yr C. 75	**30**	**20**			
h. Notice of violations	A. TBD B. 3/yr C. 15	**0**	**0**			
i. Animal Waste complaint inspections	A.TBD B. 20/yr C. 100	**57**	**29**			
J. Incorporate other waste into 590 plans (total 29,368.9 acres- DNR 2007)	A. 29,368 acres B. 2500 ac/yr C. 12,500 acres	**3,000 ac**	**4,000 ac**			
3. Buffer installation Chapter 22,10, administration						
a. Install 5 miles of buffer strips per year (out side of AGMZ)	A. 350 miles B. 5 miles/yr C. 25 miles	**6.35 mi**	**13.1 mi**			
4. Waste Transformation Project admin.						
a. Funding and grants administration	TBD	delayed	complete			
b. Secure waste streams from industry and agriculture	TBD	delayed	complete			

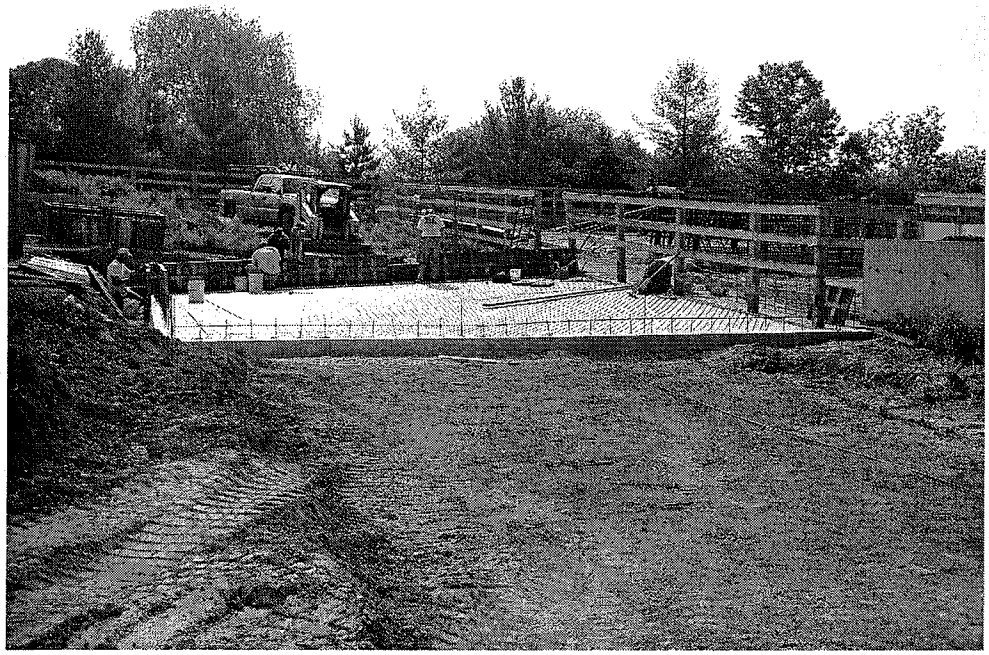
Priorities -Implementation schedule/ Work Plan Goal and Objective description	**A. Total est. needs B. Yearly Rate C. 2009-2013 Goals**	**2009**	**2010**	**2011**	**2012**	**2013**
c. Coordinate animal waste delivery and nutrient management plan	TBD	delayed	delayed			
d. Administration and coordination of project	TBD	delayed	delayed			
5. Groundwater Protection administration						
a. Town meetings	A. 11 B. 3/yr C. 15	**5**	**3** WLI			
b. Well Testing	A. TBD B. 200/yr C.1000	**45** UWGB	**0**			
c. Old well abandonment cost share and contracts	A. 980 B. 10/yr C. 50	**8**	**3**			
d. Field verification of karst features and add to AGMZ map	A. TBD B. 20 sites/yr C. 100	**4 sites** (Morrison)	**1 site**			
e. Proposed County Well abandonment ordinance (est. 980) abandonment	A. 980 B. 30/yr C. 150	delayed	delayed			
6. West Shore Pike Habitat Restoration Project admin. (contingent on funding)						
a. Buffer strip installation (included in objective 2)	A. 10 miles B. 2 miles/yr C. 10 miles	**3**	**1 mile**			
b. Wetland restorations- acres of spawning marshes corrected	A. 100 acres B. 5ac/yr C. 25 acres	**3.6**	**6.15 acres**			
c. Culvert corrections - replace perched culverts	A. 50 B. 2/yr C. 10	**2**	**0**			
d. Cost share administration - contracts per year	A.100 contracts B. 5/yr C. 25 contracts	**7**	**5**			
e. Grants reporting to granting agencies		**5**	**5**			
7. Total Maximum Daily Load (TMDL) admin. (contingent on funding)						
a. Planning meetings	TBD	**15**	**8**			
b. Contacts with landowners	TBD	**0**	**0**			
c. Implementation of work elements	TBD	delayed	delayed			
d. Administration and coordination of project	TBD	delayed	delayed			
8. Windmill siting administration						

Priorities -Implementation schedule/ Work Plan Goal and Objective description	**A. Total est. needs** **B. Yearly Rate** **C. 2009-2013 Goals**	**2009**	**2010**	**2011**	**2012**	**2013**
a. Site reviews for Towns	A. 100 B. 20/yr C. 100	delayed	delayed			
b. Drainage patterns, culvert sizing. Karst, bedrock protection.	TBD	delayed	delayed			
c. Access road layout	TBD	delayed	delayed			
Goal 3 LWCD and State programs						
1. LWCD Department Administration						
a. Budget development and monitoring	Monitoring 10/week	**520**	**520**			
b. LCC meetings		**10**	**9**			
c. Office support, phone calls, customer service, equipment mgmt	(100 per day ave.)	**20,000**	**20,000**			
d. Tree Program	A. TBD B.10,000 sold/yr C. 50,000	**19,550**	**18,000**			
e. Annual Report, Annual work plan	state , county	**2**	**2**			
h. 50 cent per Ag acre fee notification	A. 3500 B. 3500 /yr C.17,500	**3,805**	**3,885**			
i. Non Metallic Mining program technical assistance	A. 10 B. 2/yr C. 10	**4**	**0**			
2. Wildlife Damage Program Administration						
a. Technical support to landowners	A. TBD B. 15/ yr C. 75	**20**	**21**			
b. Cost share for abatement $10,000 per year 2- 3 landowners / year	A. TBD B. 2/yr C. 10	**2**	**2**			
c. Claims $40,000 per year - 8-10 landowners per year	A. TBD ($35,000) B. 8/yr C. 40	**9**	**9**			
d. Hunt for hungry coordination	(deer processed)	**56**	**31**			
3. Install soil conservation practices						
a. Install conservation tillage through cost share on 136 acres per year	A. TBD B. 136 acres/yr C. 680 acres	**0** **no cost share**	**0** **no cost share**			
4. Farmland Preservation Program Administration						
a. Notification of 450 landowners per year	A. 450 B. 450/yr C. 2,250	**767**	**787**			

Priorities -Implementation schedule/ Work Plan Goal and Objective description	**A. Total est. needs B. Yearly Rate C. 2009-2013 Goals**	**2009**	**2010**	**2011**	**2012**	**2013**
b. Monitoring of 450 landowners per year	A. 450 B.450/yr (cert.) C. 2,250	**528**	**470**			
c. Compliance with State Standards (complaint based)	A. 450 B. 5/yr C. 25	**4**	**5**			
d. Notice of non compliance to state	A. 450 B. 10/yr C. 50	**0**	**0**			
5. Priority Watershed Program Administration						
a. Contract monitoring	A. 500 B. 500/yr C. 2500	**51**	**100**			
b. Operation and Maintenance compliance checks	A. 500 B. 10/yr C. 50	**33**	**31**			
Budget performance measures						
Winter spreading plans (per year)	**A. 75**	**100**	**83**			
Animal Waste						
• **Complaints**	**A. 20**	**57**	**39**			
• **Ordinance permits**	**A. 25**	**30**	**20**			
• **Storage inspections**	**A. 35**	**31**	**28**			
Miles of Buffer strips installed	**A. 7**	**6.35**	**17.1**			
Old wells properly abandoned	**A. 10**	**8**	**2**			

Project 2010 photos

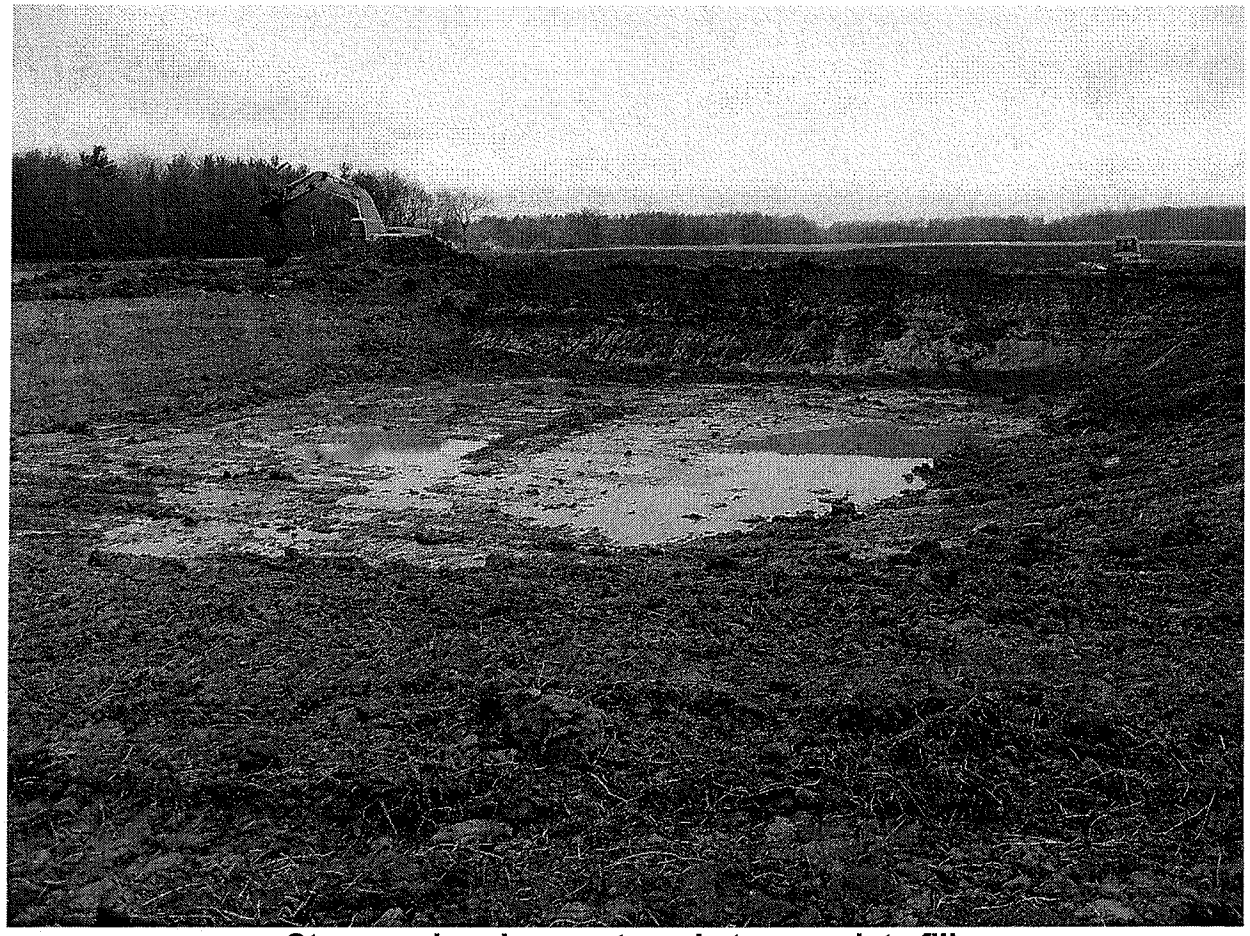
Barnyard runoff complaint before

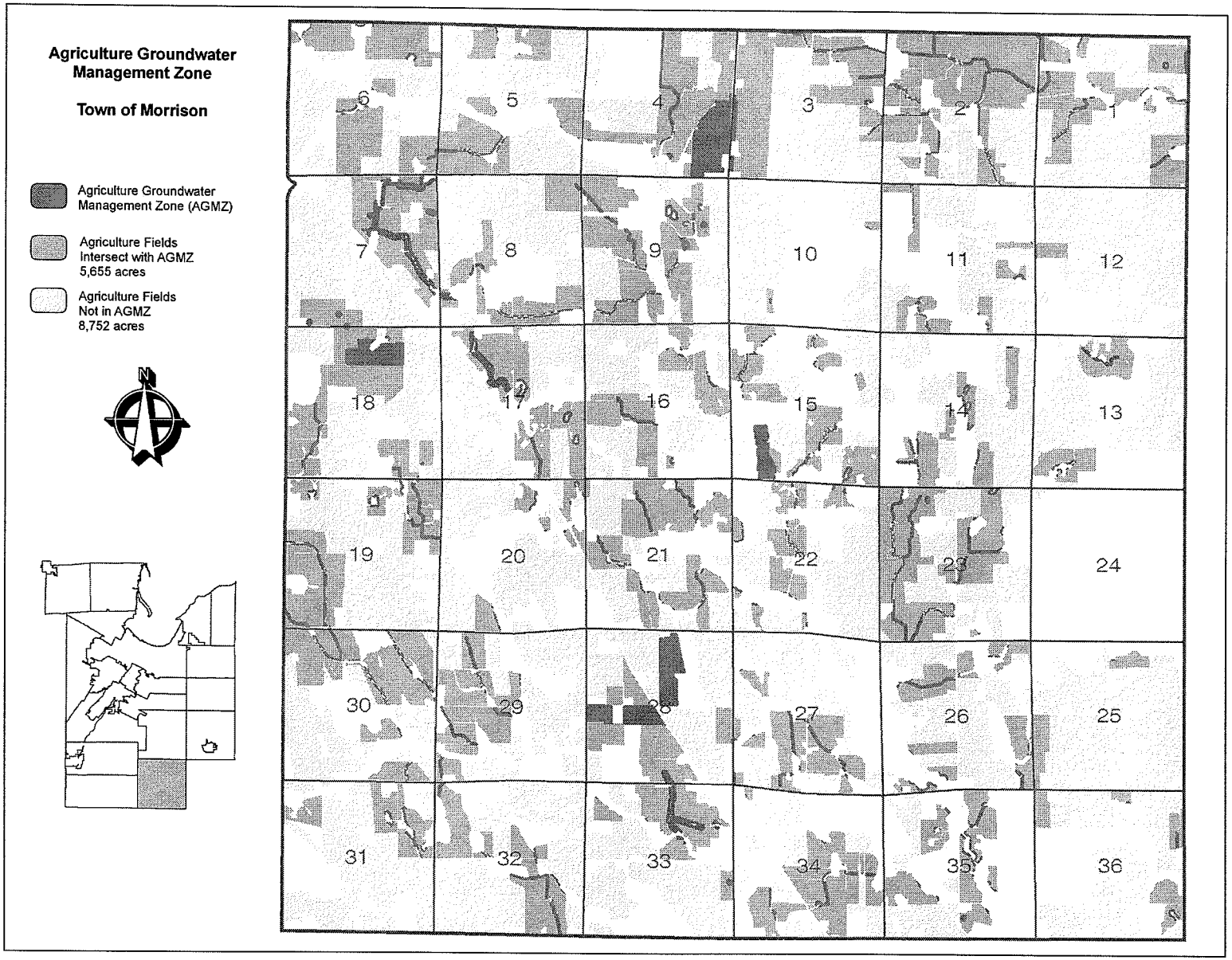


Barnyard runoff control during construction

Manure Storage during abandonment

Earthen Manure Storage during abandonment



Storage abandonment ready to complete fill.

Agriculture Groundwater Management Zones