

Gravel Pit Certification, ATV and Snowmobile Trail Invasive Plant Management

Pulling Together Initiative Grant
& Cooperative Weed Management



Prepared by

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Becker County Agriculture Inspector

2010 ANNUAL TOWNSHIP WEED INSPECTOR TRAINING

Prepared by Marsha Watland

Yearly meeting on noxious
and invasive weed training.



Grants for Invasive Plant Program

● Pulling Together Initiative Grant

- National Fish & Wildlife Foundation

 - ~ May 2007 to September 31, 2008 for \$45,000 (Done)

 - ~ October 1, 2008 to September 31, 2010 for \$75,000 (Done)

● Cooperative Weed Management

- Minnesota Board of Water & Soil Resources

 - ~ May 2008 to January 15, 2010 for \$24,000 (Done)

 - ~ April 2010 to January 15, 2012 for \$15,000

Pulling Together Initiative & Cooperative Weed Management Partnership/Steering Committee



- Brad Grant
- Marsha Watland



- Anthony Cortilet



- Mark Lohmeier
- Brad Wenz



- Dennis Redig



- Brad Green



- Rhett Johnson



- Brian Torgusson



- Ed Muscielewicz



- Brian Dekkers
- Louanne Brooks



- Terra Guetter



- Scott Ohnoutka



- Ryan Frohling



- Nathan Peterson



- Dawn Kier



- Kathy Stenger
- Ric Jasken



- Howard Kluender
- Gary Thompson

Gravel Pit Certification Program

Steps in Beginning Program

1. Develop a resolution to support and purchase only gravel from certified gravel pits.
2. Present a resolution to County Commissioner to approve and sign.
3. Present program to township and city officials to ask for their support and signing of a resolution similar to the county.
4. Contact gravel pits on program to provide information on what becoming certified will involve.
5. Provide gravel pits with certification agreement.

Inspection Letters & Certification Reports

County & Township

1. Letter to Commissioners
2. Resolution for County Commissioners
3. Letter Township Officials
4. Resolution to Township Officials

Gravel Pit

1. Gravel Pit Letter on Certification Program
2. Gravel Pit Agreement
3. Gravel Pit Inspection
4. Semi-Annual Gravel Pit Inspection

Located on BSWCD Web Page

- Updated regularly
- Gravel Pits can be added throughout the year.
- Townships updated on certified gravel pits



Becker Soil & Water
Conservation District
809 8th Street SE
Detroit Lakes, MN 56501
218-846-7360



2010

Certified Gravel Pits

Aggregate Industries

Pit: 52, 52E, 44, 43, 14, 88 & 97
Alajoki Sand & Gravel Pit
Anderson Gravel Pit, Richwood
Boit Gravel Pit

Becker County Gravel Pits

: 59 Pit
: Ford Pit
: Toad lake Pit
: Bad Medicine Pit
: Karkinen Pit
: Scholz Pit

Central Specialties Inc.

: Lake View Pit
: Cormorant Pit
: L. Anderson Pit
: Toad Lake Pit

Dave Nelson Gravel Pit Hickel Pit

Hough Inc.
: Lake Eunice
: Solmon Pit

Hough, Merle
: Blueberry Twp Pit
: Kjelb erg Pit

Lake View Township Pit Mark Sand & Gravel Pits

: Antilla
: Hallikanen
: Wettel
: Candor

B. Maurer Pit Rock Ridge Resources, Lake View Joe Stenger Pit Tim Stenger Pit Strata Pit

: Detroit Twp Pit
: Lake View/Detroit Twp Pit
: Parke Twp Pit
: Cormorant Twp Pit

Gravel Pit Certification Program

IMPLEMENTATION AND GUIDELINES TO DEVELOP A LIST OF GRAVEL PITS APPROVED FOR NOXIOUS & INVASIVE WEED CONTROL

The goal of the Gravel Pit Certification Program is to buy gravel with reduced seed bank, to reduce maintenance cost and spread of both invasive and noxious weeds throughout the county.

1. Becker County will purchase material from approved pits only, including new pits that become participants in this program.
2. Participation is voluntary for new and existing pits.
3. Participation requires a commitment to weed control for seven years following signup.
4. This time period is based on an estimate of the time required to substantially diminish the viability of the seed bank in weed infested property.
5. Inspections will be done at least twice each growing season for all participating

Noxious Weeds of Minnesota

Control required as stated in Minnesota Statutes, section 18.78

1. Field Bindweed
2. Hemp
3. Purple Loosestrife
4. Garlic Mustard
5. Poison Ivy
6. Leafy Spurge
7. Perennial Sowthistle
8. Bull Thistle
9. Canada Thistle
10. Musk Thistle
11. Plumeless Thistle
12. Common Buckthorn
13. Glossy Buckthorn
14. Cocklebur
15. Giant Foxtail
16. Hoary Alyssum
17. Kochia
18. Wild Sunflower
19. Redroot Pigweed
20. Absinth Wormwood

Invasive Weeds of Becker County

1. Crown Vetch
2. Leafy Spurge
3. Spotted Knapweed
4. Common Tansy
5. Wild Parsnip

There is an invasive weed cost-share program available for treatment. Contact Marsha Watland at Becker SWCD for an application.

2010 Certified Gravel Pits



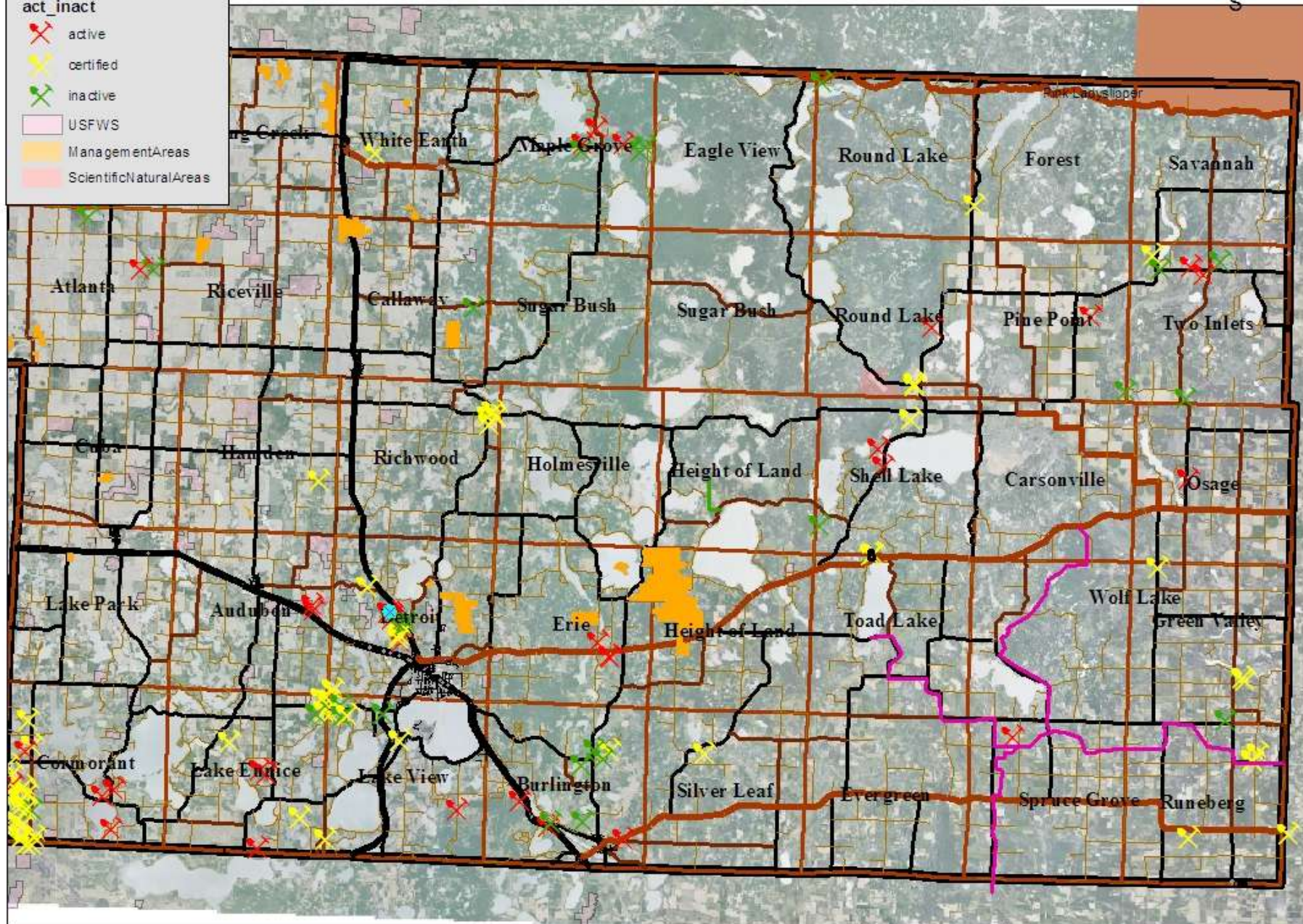
Legend

Gravel Pits

act_inact

- ✕ active
- ✕ certified
- ✕ inactive

- USFWS
- ManagementAreas
- ScientificNaturalAreas



Treatment	Acres	Escort	Milestone	Opensight	Overdrive	Plateau	2,4-D	Roundup	Telar	Tordon	Transline	Liberate
Fall Treatment	Pg	288	101.5 oz	1032 oz	8 oz				115.5 oz		80 oz	1104 oz
Road Treatment	Pg	71	9 oz	100 oz	166.5 oz				9 oz			283 oz
Road Treatment	Pg	379.2	19.5 oz	132.5 oz	139.5 oz				19.5 oz			264 oz
Gravel Pits	Pg	150		716 oz			192 oz					572 oz
Landowners	Pg	193	103 oz	557 oz	66 oz				29.5 oz		864 oz	925 oz
Landowners	Pg	95.5	17.5 oz	297oz					10.5 oz		80 oz	295oz
Township Treatment	Pg	212.4	70.6	904 oz	48				72 oz			664 oz
Leafy Spurge	Pg	24				172 oz	464 oz			40 oz		106 oz
Total		1,413.10	321.1	3,738.50	420	8	172	656	256	40	1024	4,213.00
Cost of Herbicide (State)			\$5,208	\$9,907	\$2,604	\$50	\$353	\$79	\$4,992	\$111	\$2,591	\$969
Total of HerbicideTreatment		\$26,864										
Application Cost Turned In 12/1/09			\$4,758	verage Application Cost /Hour = \$100								

2009 Treatment Summary

2010 : 255 Gravel Pit Acres Treated

Treatment Reports for CAI Report 12/22/09 (Not part of grant funds)												
	Spraying Cost		Mowing Cos	Acres	Miles							
Township/City Annual Repo	\$29,105		\$39,949	654	962							
Becker County	\$22, 264		\$39,079	2,194	1,367							
MNDOT	\$10,634		\$5,536	300	798							
MNDNR	\$725		\$3,340									
USFWS	3,000		\$800	70	100							
Total	\$65,728		\$88,704	3,218.00	3,227.00							



7/20/2010

Gravel Pit Second Inspection

Treated Roadsides to Reduce Seed Production

Photo by Marsha Watland

ATV & Snowmobile Invasive Plant Program

- Contacted organizations to set up a meeting:
 - Woods & Wheels ATV Club
 - Wolf Pack Snowmobile Club
 - ULTRA Snowmobile Club
- Organizations that will be contacted winter of 2010-2011:
 - Midnight Riders Club
 - Forest Riders Club
- **Goal of program is to reduce transfer of seeds and vegetation of invasive & noxious weeds along trails**

What happens at the meetings?

Material Covered

- Impact of Invasive plants
- How weeds are spread
- Identification of the different weeds
- How they can help

Results of Meetings

- Added three members to our PTI Committee
- Contacted Becker Co Natural Resource Dept. to work together on trail system
- 2010 Set up inventory of trails with one ATV club
- Treatment schedule for Northeast Becker set up for spring of 2011

Impact of Invasive Weeds

- Timber industry
- Agriculture reduction in yield & nutrients in soil
- Recreational activities such as fishing, hunting, hiking, wildlife viewing, water-based recreation.
- Health impacts
- Toxic to animals
- Phytophotodermatitis to skin

How Weeds Are Spread

- Human Introduction: ex. shoes of hikers
- Animals and seeds carried with them
- Animals and plants released through the pet trade
- Stowed away on every type of transport vehicle
- Livestock feed, hay used as mulch and contaminated crop seeds
- Gravel
- Water, wind and fire





9/1/2009
HWY 34 East of Osage

by Marsha Watland

by Marsha Watland

7/22/2009
Hwy 10



8/22/2007
Highway 10
August 1
Treatment



Wild Parsnip Treatment

7/13/2010 11:04

Gravel Pit Certification Tour



photo by Marsha Watland

5/4/2010

Becker County Gravel Forest Twp



4/26/2010



**Photo by Marsha Watland
BSWCD**

5/3/2010 11:05
CSI Certification
Round Lake Twp



4/21/2010 Gravel Pit Inspection



photo by Marsha Watland

photo by Marsha Watland
5/3/2010



8/6/2008

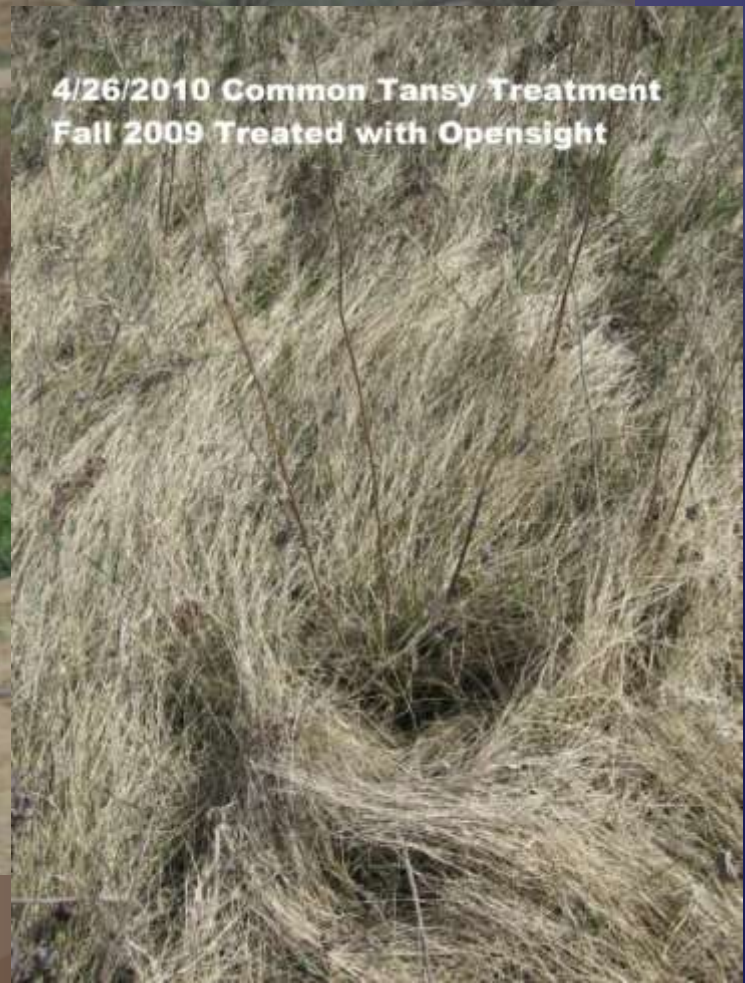
Ford Gravel Pit



5/4/2010

**Spotted Knapweed
Biological Control**

**4/28/2010 Runeberg Township
2009 Road Ditch Treatment
Opensight
Alajoke Certification**



**4/26/2010 Common Tansy Treatment
Fall 2009 Treated with Opensight**