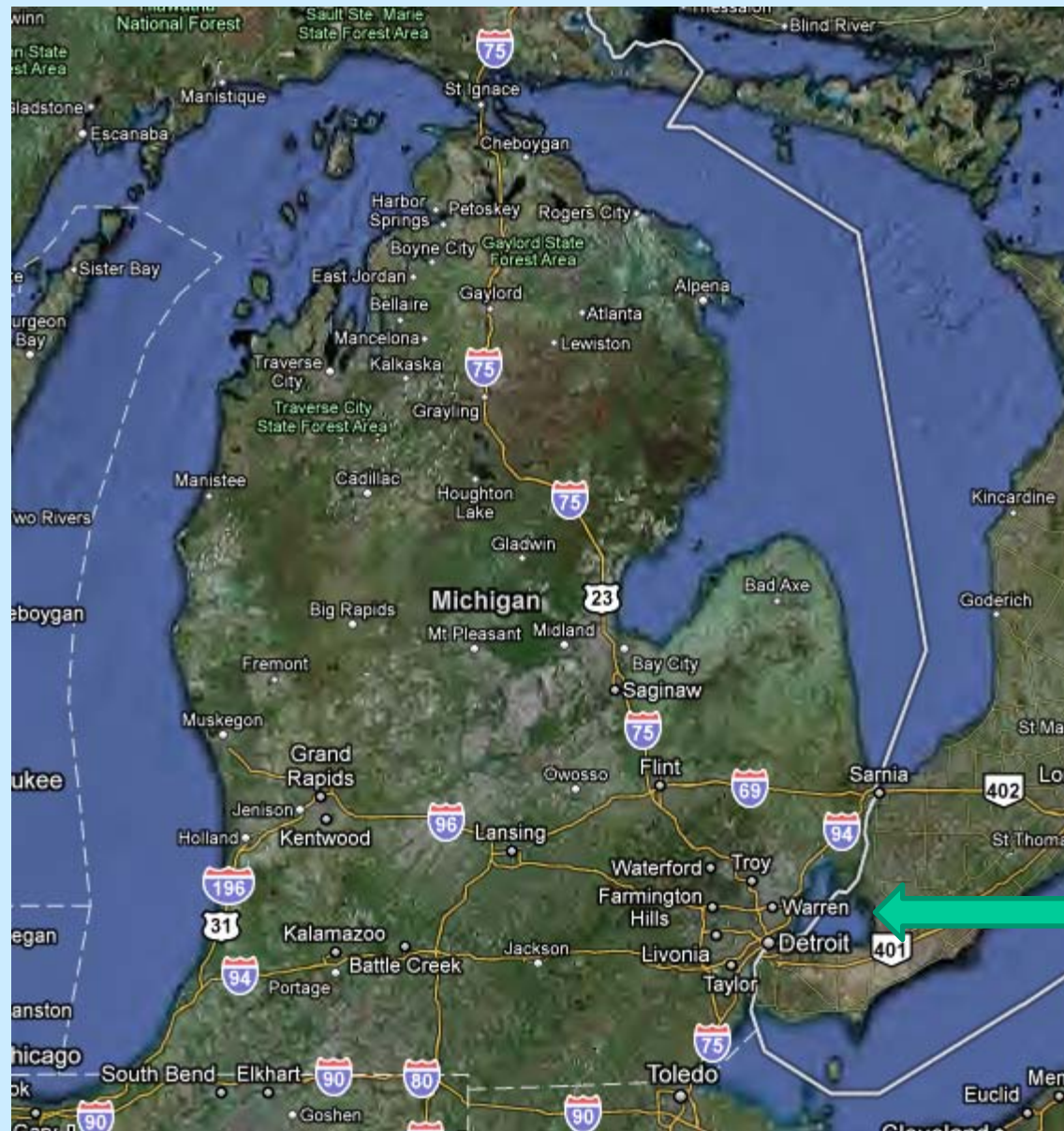


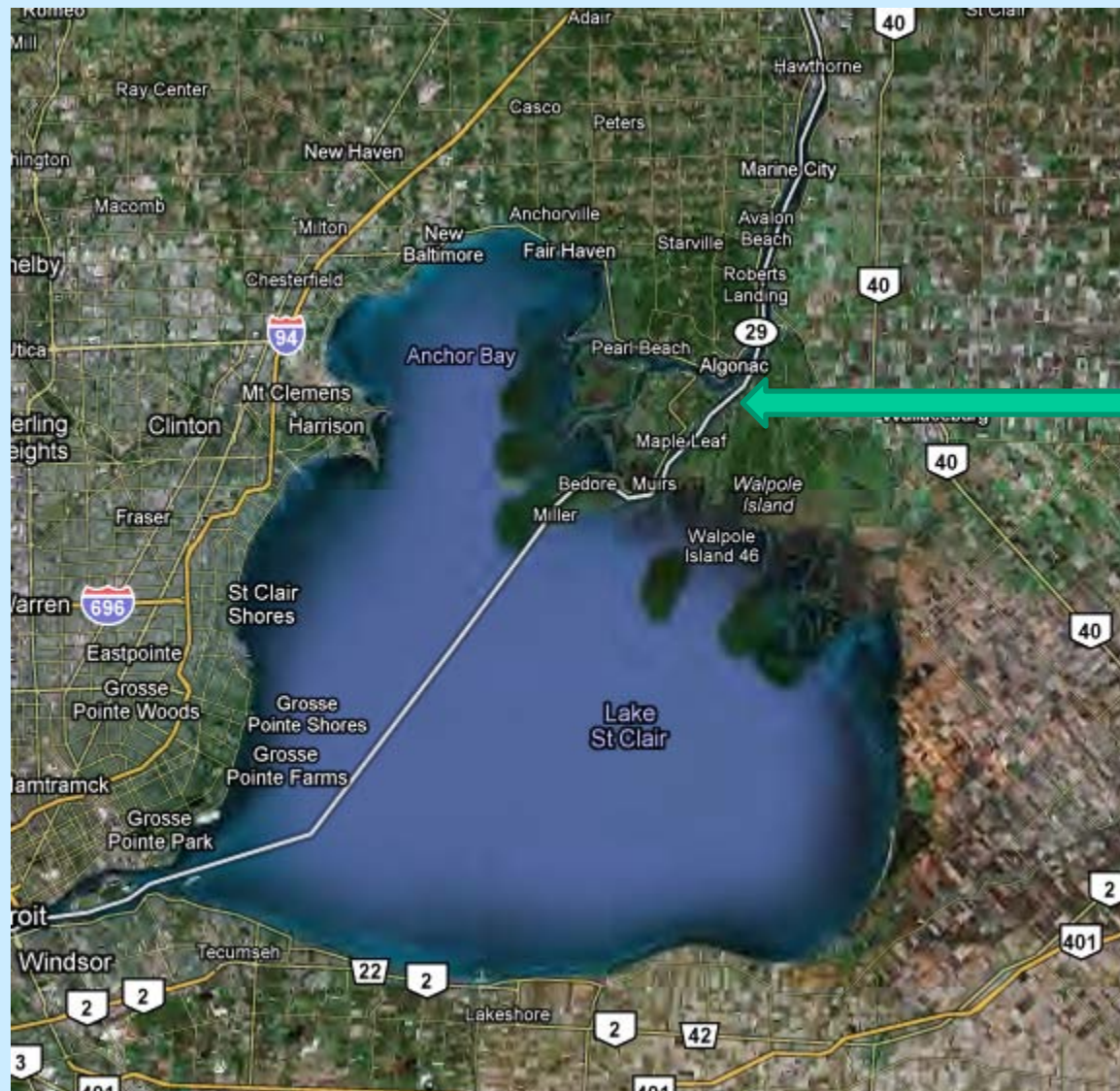
Stewart Farm, Harsens Island & Clay Township Phragmites Management Programs

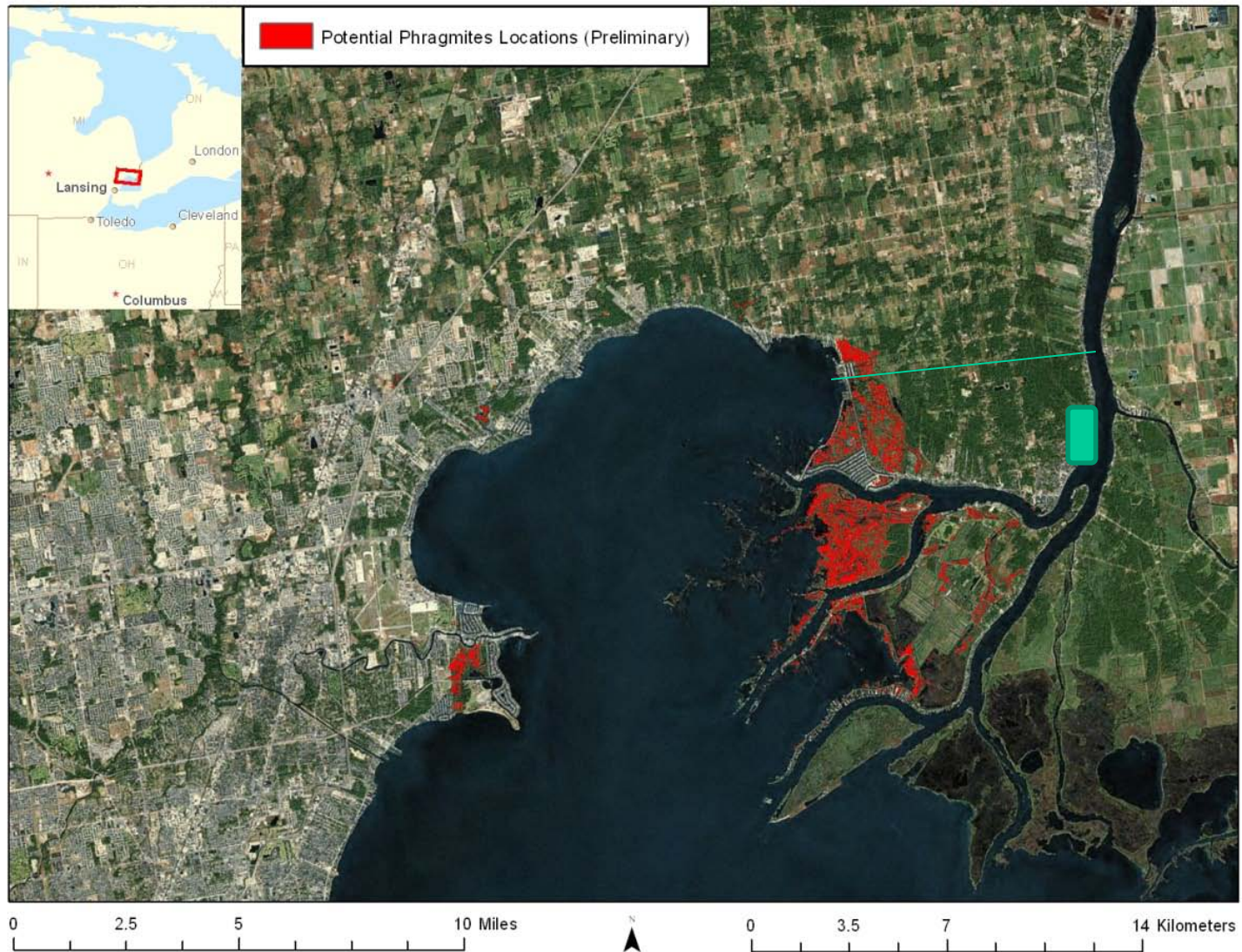
March 29, 2011

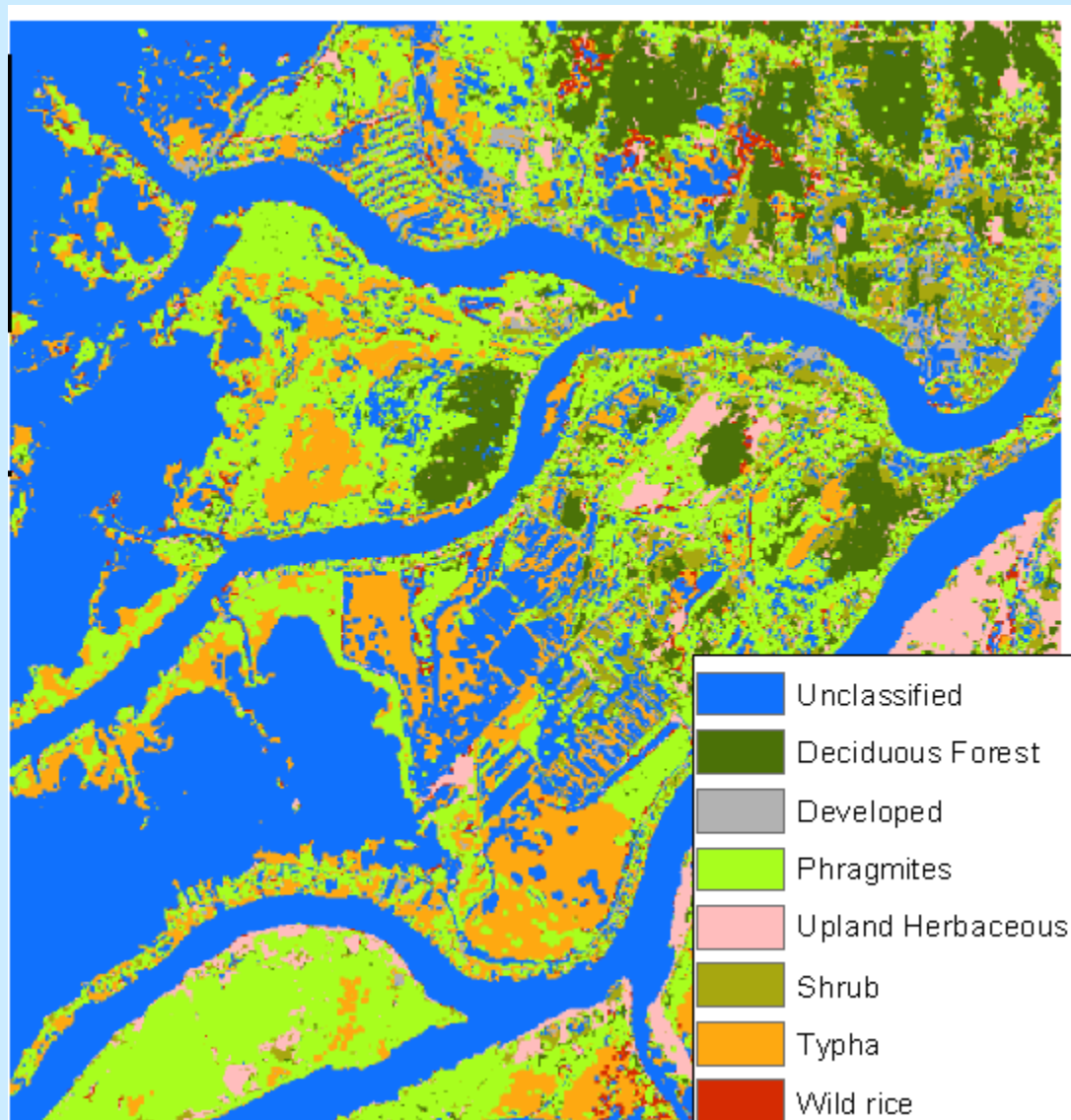


By Bob Williams of Phragmites.org – Bob@Phragmites.org



















Stewart Farm - 2008



Blocked Views

Stewart Farm - 2010



- In about 2000
DNR starts
Phragmites
Control at St.
John's Marsh,
Clay Township,
St. Clair County



Year 2003

- Began Phragmites control at Stewart Farm based on research and results at St. John's Marsh



September 2005

Our first workshop – 86 attendees show up



October 2005

- Harsens Island Phragmites Committee is formed by 5 residents.
- Over the next 5 years the group
 - Initiated and maintained Phragmites.org
 - Conducted annual workshops
 - Provided information on chemical purchase
 - Advised residents on obtaining permits
 - Assisted neighbors with treatment
 - Developed and shared equipment
 - Provided herbicide samples



Local residents developed specialized equipment

Equipment for cutting
over water



Equipment for cutting under water



Equipment for cleaning up

Cobbled together pieces











2005-2009

- Harsens Island Phragmites Committee worked as an unofficial, unregistered committee of citizens to help each other solve a problem which was common to much of the community.

February 2010

Initiation of the Clay Township Phragmites Management Program

- Clay Township Supervisor asked citizens and government representatives to discuss a Township wide program to address Phragmites Management.
- Over the next four months more than 50 property owners and government representatives were involved in the development of the Clay Township Phragmites Management Plan and Program 2010.

The Problems Identified

Property owner needs

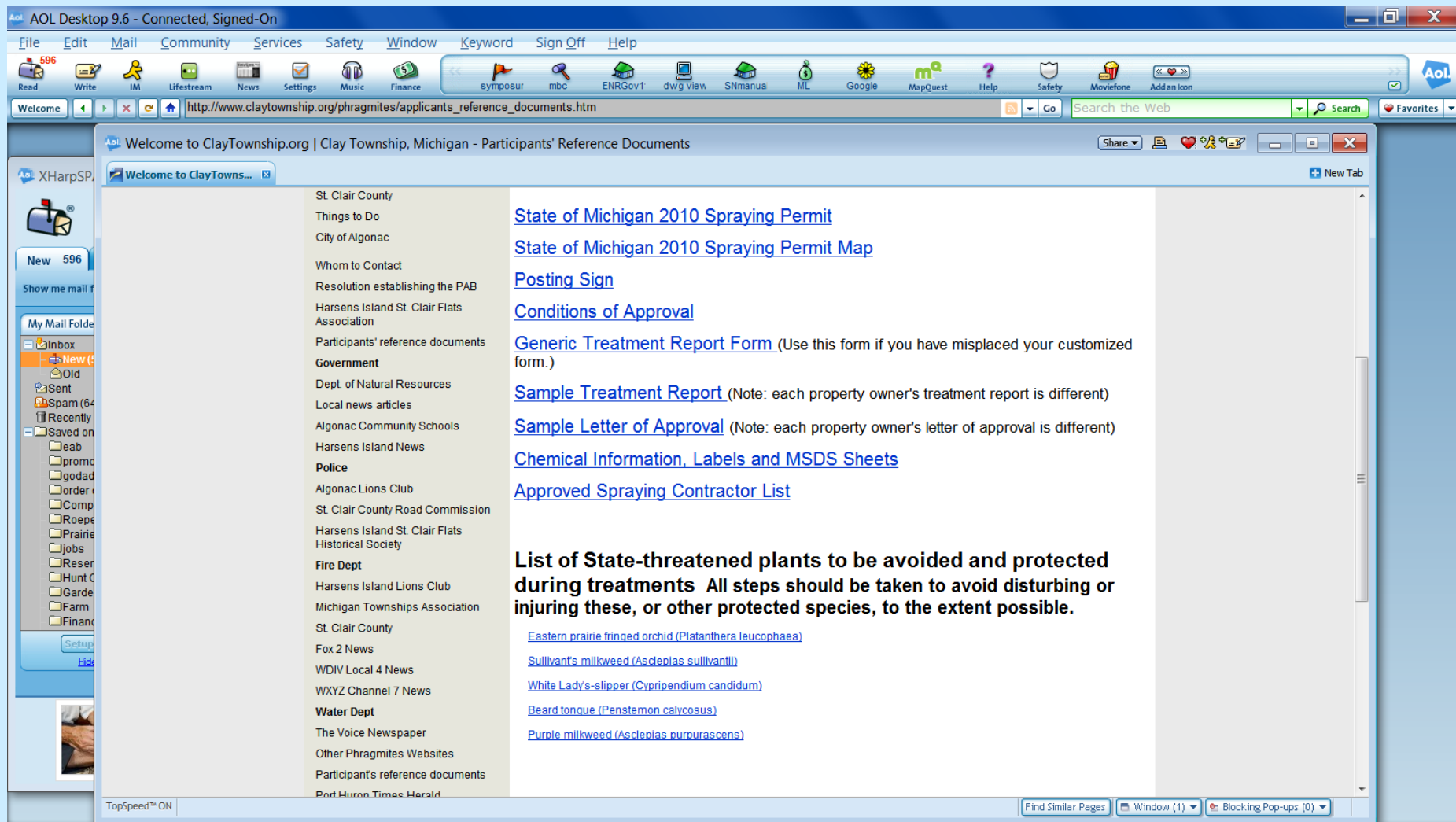
- To understand the problems created by Phragmites.
- To know that there was something they could do about Phragmites.
- To be educated in the safe and effective methods of controlling Phragmites
- To have easier access to the proper chemicals and equipment needed for safe and effective control.
- To get assistance in obtaining the required permits, retaining qualified contractors and in some cases actually treating their Phragmites.
- To have someone coordinate their efforts with that of adjacent property owners including the State of Michigan.

Clay Township Phragmites Management Plan and Program 2010

- **Resolution** adopted June 7, 2010 by the Township Board
 - Supporting the property owners in the areas specified
 - Creating a coordinator and a volunteer organization
 - Surveying the infestations (using GIS)
 - Establishing priority treatment areas
 - Exploring sources of funding



Initiated and maintained a website at www.clayTownship.org/Phragmites





Conducted 5 Phragmites Management Workshops
and trained 186 people in Phragmites Management



Arranged for a sign at St. John's Marsh to publicize the program.

Initiated and maintained a Phragmites Management phone hotline.

Clay Township Spraying and Mowing Permits Procedure

During 2010 the Township procured spraying permits for 161 properties and mowing permits for 94 properties

- Property owners applied to be in the program
- Volunteers inspected each site, consulted with the property owners and noted infestation area and conditions
- Property owner attended a Phragmites Management Workshop
- The Township applied to the State for permits for all the properties
- The Township received a single season spraying permit and five year mowing permit from the State
- The Township issued individual approval letters to participants along with the needed posting signs and treatment report forms
- The property owner completed the treatment and mowing and filed reports with the Township.
- The Township filed treatment and mowing reports with the State.

stahl.pdf - Adobe Reader

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164%

Comment
Share

First

Earl

Last

Stilson

Mailing Address

30134 South River Rd.

Mailing City

Harrison Twp.

Mailing State

Mi

Project address

2431 Pointe Tremble Road.

Project City

Algonac

email

earl@marine-sales....

Workshop Attended

Mailing Zip

48045

PIN #

74-14-442-0138-000

Approval

Yes

Phragmites Acreage

1.9

Phone

586-468-0937 586-543-5529c

Above VRSL

Y

MAP

PIN	OWNER	PROPERTY ADDRESS	OWNER
74-14-442-0138-000	M-29 LLC	PTE TREMBLE RD	30134
74-14-442-0139-000	M-29 LLC	PTE TREMBLE RD	30134
74-14-442-0141-000	M29 LLC	2431 PTE TREMBLE RD	30134

Map3

stahl.pdf - Adobe Reader

File Edit View Window Help

The interface displays an aerial map with several property areas highlighted. A large blue-shaded area is outlined in red. Other areas are labeled with yellow text: A-463, B-33, 12-456, 13-166, and 1-967. A table in the top right corner lists property details. A scale bar at the bottom left indicates 0.1 Miles. A toolbar with icons for map navigation is located in the top left.

PIN	OWNER	PROPERTY ADDRESS	OWNE
74-14-442-0138-000	M-29 LLC	PTE TREMBLE RD	30134
74-14-442-0139-000	M-29 LLC	PTE TREMBLE RD	30134
74-14-442-0141-000	M29 LLC	2431 PTE TREMBLE RD	30134

Save Results

Area:
92942 SqFt

0.1 Miles

8.50 x 11.00 in

9-13-10PABLIST.xls [Compatibility Mode] - Microsoft Excel non-commercial use

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GeneralNumber

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AutoSum

Fill

Clear

Sort & Filter

Find & Select

B1Last

A

B

C

D

E

F

G

H

I

J

K

M

First

Last

Volunteer

Projectaddress

ProjectCity

PIN #

LOProgramSta

Workshop

Representative

Phone

Email

1

2

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7

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11

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14

15

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19

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21

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23

24

Mel

The

Kevin

Don

Andrew

Rosetta

Tony

Carol

Ellen

Angelo

Charles

William

Bernie

Roy

James

Chris

Joe

William

Robert

Robert

Fred

John & Diana

Gail

Alexander

Algonac Harbor Club

Allen

Andrews

Apsey

Babisz

Bane

Barney

Barsheff

Batten

Beattie

Beck

Bedard

Bianchini

Biewer

Bilewicz

Bleau

Bommarito

Bryson

Bryson

Buesser

Burns

Casanova

1803 Stewart

1999 Pointe T

6080 Middle C

8480 Sni Bora

104 Edgewater

8563 Starville

2669 Columbi

3666 Middle C

5381 Green D

5218 Pointe T

7980 S. River

4085 Middle C

7618 South Cl

3164 North Cl

9390 Sni Bora

Russell Rd.

7000 Martz H

North Channe

7650 South Cl

8960 Broad C

North Channe

9488 Sni Bora

8975 North Cl

Harsens Island

Algonac

Harsens Island

Harsens Island

Algonac

Clay Twp.

Harsens Island

Harsens Island

Harsens Island

Clay Twp.

Cottleville

Harsens Island

Harsens Island

Harsens Island

Clay Twp.

Russell Island

Harsens Island

Harsens Island

Harsens Island

Russell Island

Clay Twp.

Harsens Island

74-14-631-00

74-01-127-00

74-14-865-01

74-14-937-00

74-01-159-00

74-14-032-10

74-14-618-00

74-14-739-00

74-14-847-05

74-14-053-00

74-17-065-00

74-14-631-00

74-14-847-03

74-14-748-00

74-14-937-01

74-14-901-00

74-14-847-04

74-14-748-00

74-14-847-02

74-14-865-03

74-14-901-02

74-14-937-01

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Bob Williams

Bobby Bryson

Chuck Miller

Roth-Miller

Chuck Miller

810-580-8315

810-794-4448

810-748-9470

313-580-1234 c

586-612-4381

810-794-0120

810-335-3198 c

586-751-5602

810-748-3677

810-335-2802 c

810-335-3651 c

248-219-8985c

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248-496-4518 c

748-3387

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810-523-9841 c

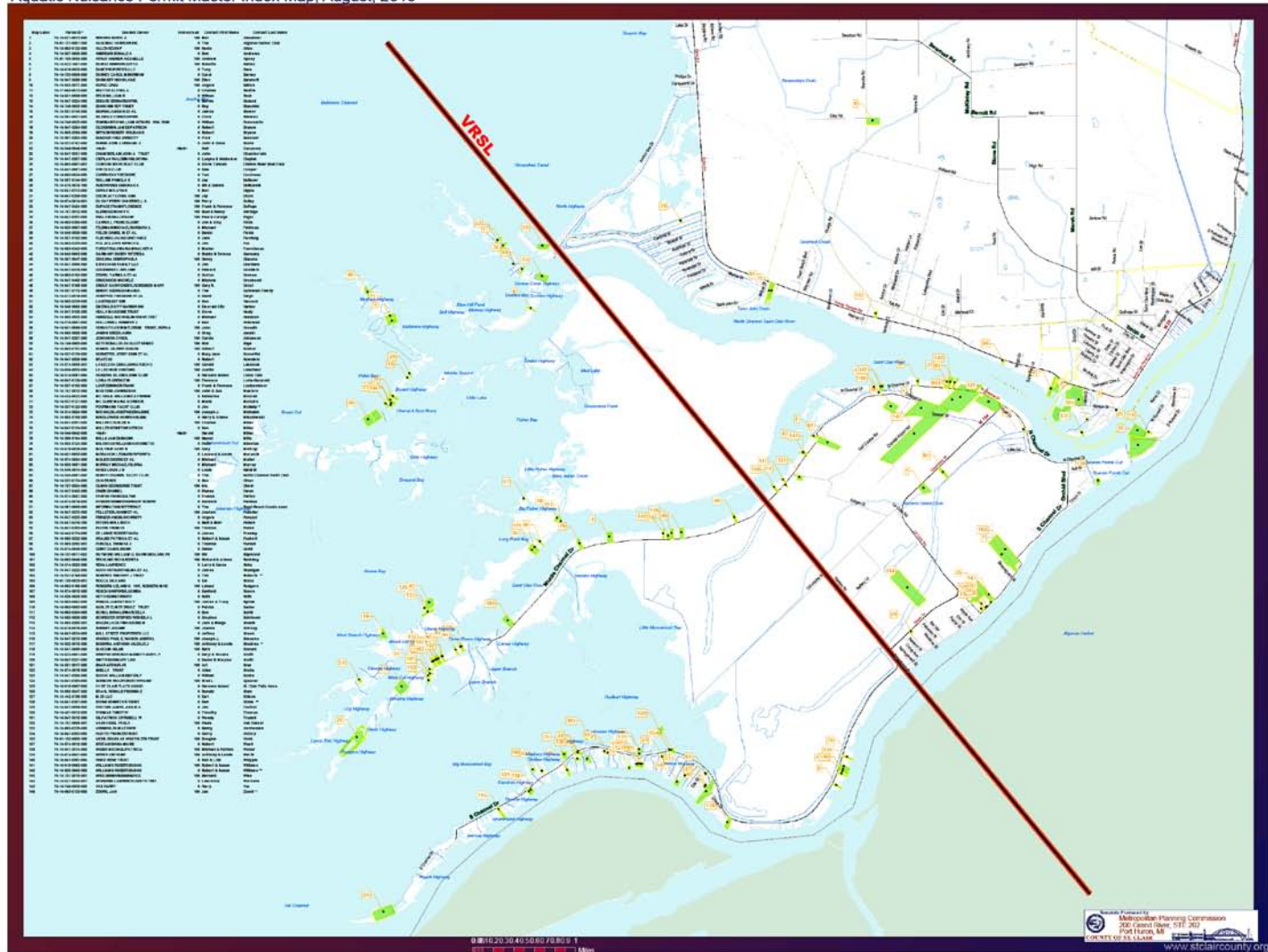
586-321-8779 c

586-855-8633

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	L	M	N	O	P	Q	R	S	T	U	V	W	X
	MailingAddress	MailingCity	MailingState	MailingZip	Approval	Visit	AboveVRSL	Acres Phragmites	Glyphosate	Surfactant	Special Condition	TreatmentOption	
1													
2	1803 Stewart	Harsens Island	MI	48028	Yes	Y	Y	3.0	18	1.5		contractor	
3	1999 Pointe Tremble Rd.	Algonac	MI	48001	Yes	Y	Y	6.0	36	3		contractor	
4	6080 Middle Channel	Harsens Island	MI	48028	Yes	Y	N	.5	3	0.25	Margins of prop	Self	
5	9867 St. John	Algonac	MI	48028	Yes		Y	.4	2.4	0.2			
6	104 Edgewater Dr.	Algonac	MI	48001	Yes	Y	Y	.1	0.6	0.05		self	
7	8563 Starville Rd.	Clay Twp.	MI	48001	Yes		Y	.77	4.62	0.39			
8	6506 Marina	Clay Twp.	MI	48001	Yes	Y	Y	1.4	8.4	0.7			
9	30309 Lorraine Ave	Warren	MI	48001	Yes	Y	Y	.1	0.6	0.05	Outliers	contractor	
10	5381 Green Dr.	Harsens Island	MI	48028	Yes	Y	N	.14	0.84	0.07		self	
11	PO Box 162	Clay Twp.	MI	48001	Yes		Y	.2	1.2	0.1	May be dropped		
12	7980 S. River Rd.	Marine City	MI	48039	Yes		Y	.11	0.66	0.06	No permit required		
13	1431 Hart	Oak Park	MI	48237	Yes	Y	Y	.1	0.6	0.05	10' along canal	Self	
14	7618 South Channel Dr.	Harsens Island	MI	48028	Yes	Y	N	.1	0.6	0.05		self	
15	3164 North Channel	Harsens Island	MI	48028	Yes		Y	2.77	16.62	1.39			
16	589 Meisner Rd.	East China	MI	48054	Yes	Y	N	.3	1.8	0.15			
17	1288 Bembridge	Rochester	MI	48307	Yes	Y	Y	.14	0.84	0.07		self	
18	22631 Masonic	St. Clair Shores	MI	48280	Y	Y	N	.1	0.6	0.06		self	
19	16403 Cederama Dr.	Clinton Twp.	MI	48038	Yes	Y	Y	.5	3	0.25			
20	7650 South Channel Dr.	Harsens Island	MI	48028	Yes	Y	N	.3	1.8	0.15		self	
21	PO Box 28006	Harsens Island	MI	48028	Yes	Y	N	.55	3.3	0.28		self	
22	904 Lamar Blvd.	Oxford	MS	38655	Yes	Y	Y	6.0	36	3		self	
23	29403 Burwick St.	Harrison Twp.	MI	48045	Yes	Y	N	.5	3	0.25	johnjburnsjr@	contractor	
24	8590 Meisner Rd.	Casco	MI	48064	Yes		N	.25	1.5	0.13			

Clay Township Phragmites Advisory Board
Aquatic Nuisance Permit Master Index Map, August, 2010



Herbicide Distribution

During 2010 the Township distributed enough chemical for property owners to self-treat over 330 acres of Phragmites.

- Property owners applied to be in the program
- Participants attended a Phragmites Management Workshop
- Participants ordered and paid for chemicals at the Township
- The Township ordered chemicals in individual 2.5 and one gallon bottles by the pallet at special government prices.
- Purchasers picked up herbicides from the Township

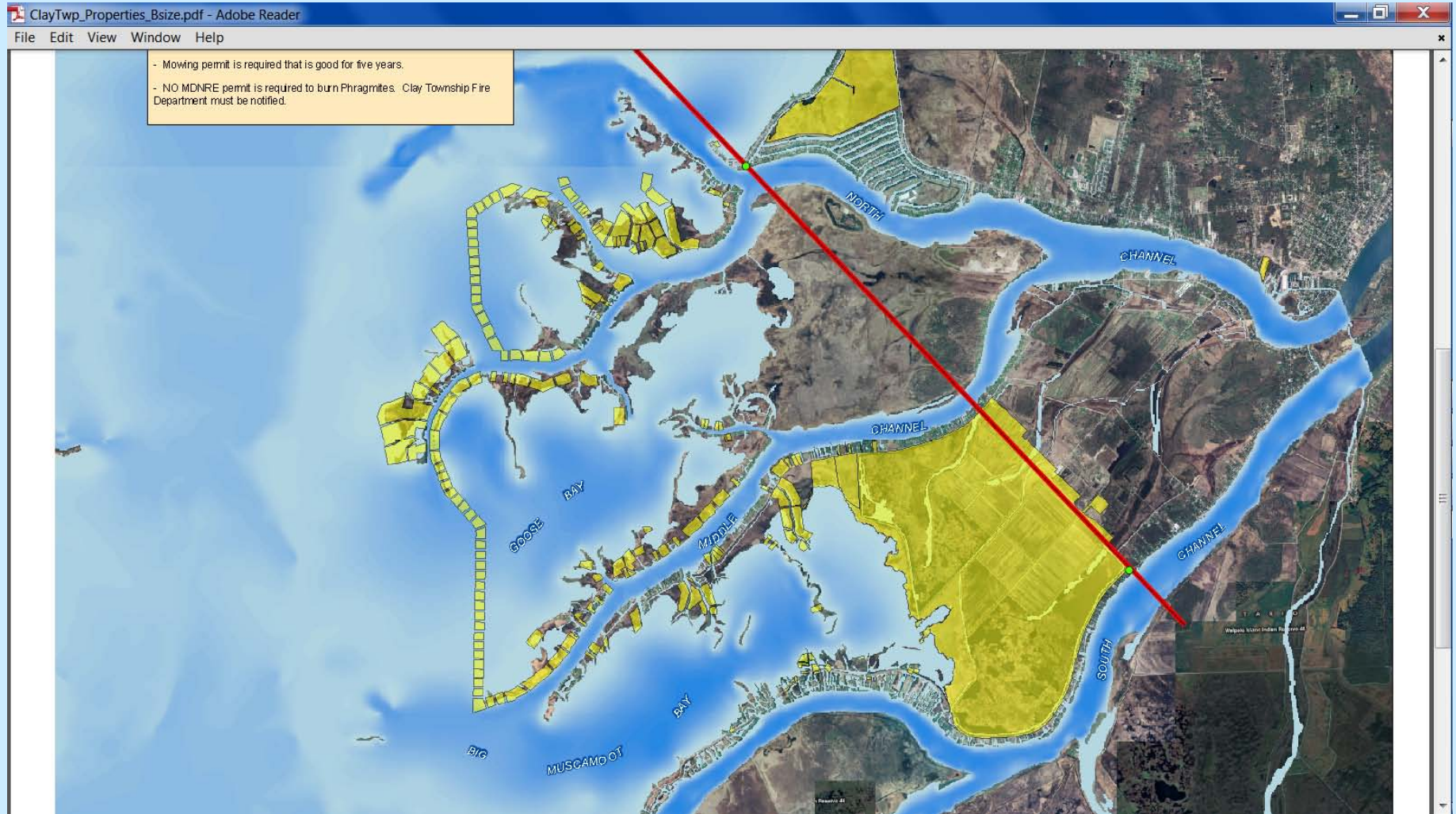
Volunteer assistance program

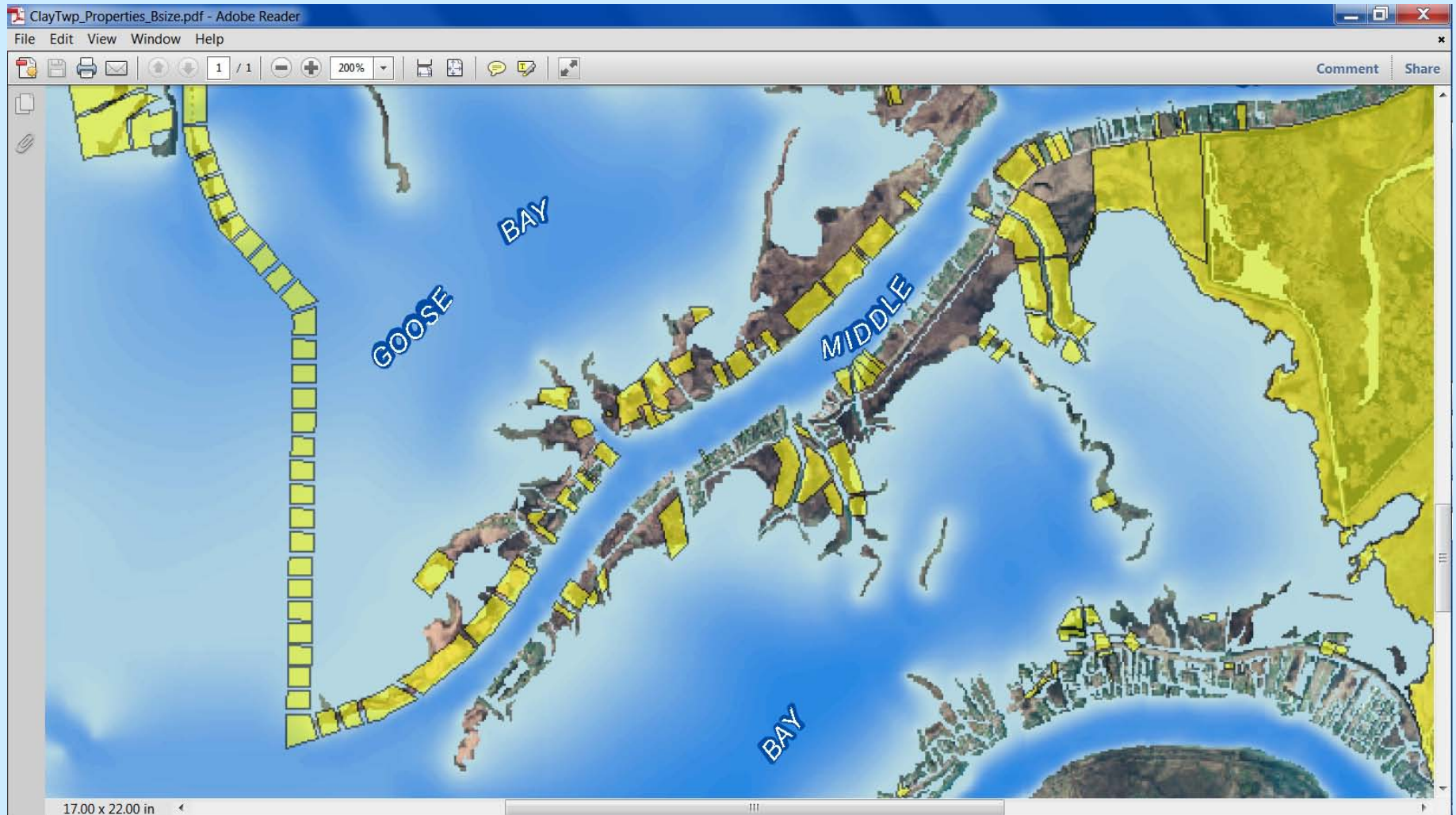
During 2010 we had

- 11 Volunteers who assisted with education, inspections, consultation, chemical distribution, spraying and cutting.
- 124 Properties were treated by volunteers representing approximately 177 Acres (85% of the property for which permits were obtained).
- A 15 foot outboard runabout and a 24 foot pontoon boat were donated to the Township by participants for use in the effort.
- The HISCFA donated \$1000 to the PAB program. The money was used to purchase needed equipment and chemicals.

Assistance with contractor procurement and adjacent owner coordination

- The Township obtained a list of contractors certified by the State of Michigan to treat Phragmites.
- The Township prepared a list of recommended contractors based on certification, experience with Phragmites control and interest in working in this area.
- The list was made available to all property owners.
- The Township coordinated groups of property owners to establish larger contiguous areas which could be treated by helicopter.
- The Township arranged for the MDNRE to treat some State owned properties adjacent to those being treated by individual property owners.
- The Township obtained the necessary permits and filed the required reports following treatment, reducing work for the contractors and thereby the cost to the property owners.





SNIBORAREQUEST.pdf - Adobe Reader

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Comment Share

Sni Bora Group
15 acres total

Area:
649839 SqFt

PIN	OWNER
74-14-937-0161-000	FLECHSIG JACK/CONSTANCE
74-14-937-0162-000	FLECHSIG JACK/CONSTANCE
74-14-937-0163-000	MI DEPT OF NATURAL RESOURCES
74-14-937-0164-000	OFFICE OF LAND AND FACILITIES
74-14-937-0165-000	LOUTZENHISER FRANK
74-14-937-0166-000	OFFICE OF LAND AND FACILITIES
74-14-937-0167-000	BURNS JOHN J JR/DIANA A
74-14-937-0168-000	ROBERTS TIMOTHY J TRUST
74-14-937-0168-010	STATE DNR
74-14-937-0170-000	KORNEFFEL JERRY SR/M ET-AL
74-14-937-0171-000	HOLKA DANIEL/BARBARA
74-14-937-0172-000	STATE 86

Save Results

Local contractor, Bobby Bryson purchases Marshmaster GreatLakesPhragmitesCutter.com





Clay Township Coordination with other agencies

During 2010 we coordinated Phragmites control efforts with representatives from the following agencies:

- MDNRE
- MDOT
- SEMCOG
- Lake St. Clair Protection and Restoration Partnership
- St. Clair County Planning Commission, Road Commission and Drain Commission
- Other local communities – Algonac, Cottrellville, Ira

View Enhancement



before



after

Ecosystem Restoration



before

after



Recreational Access



before



after

Fire Safety



before



after

First Year Lessons

- The program requires dedicated volunteers willing to give it a lot of personal attention.
- Generally the public is more interested in restoring their view, their access to recreation and their fire safety than they are in increasing biodiversity.
- There are people who want to keep their Phragmites and those who do not want any herbicide used anywhere in the community.
- Leave plenty of time for the State to process the permits and be sure to follow up regularly.
- Spraying permits should be extended to be valid for a five year period, to match the mowing permit.
- Spraying and mowing permits (and upcoming NPDES permits) should be coordinated to be issued through a single application process.

For further information

www.ClayTownship.org/Phragmites

www.Phragmites.org

www.Phragmites.info