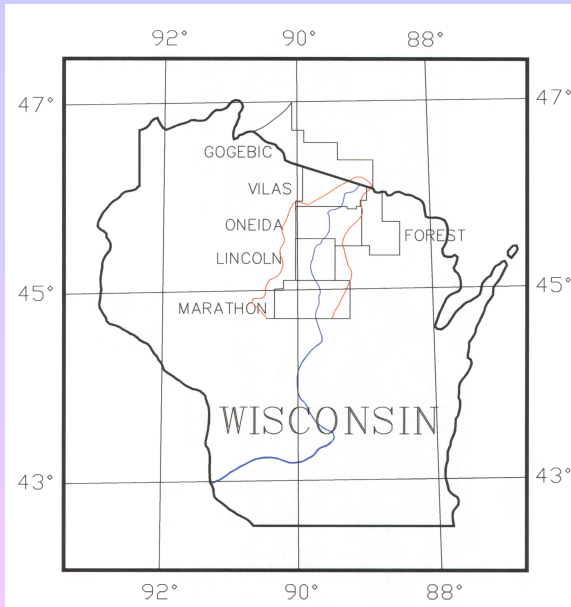
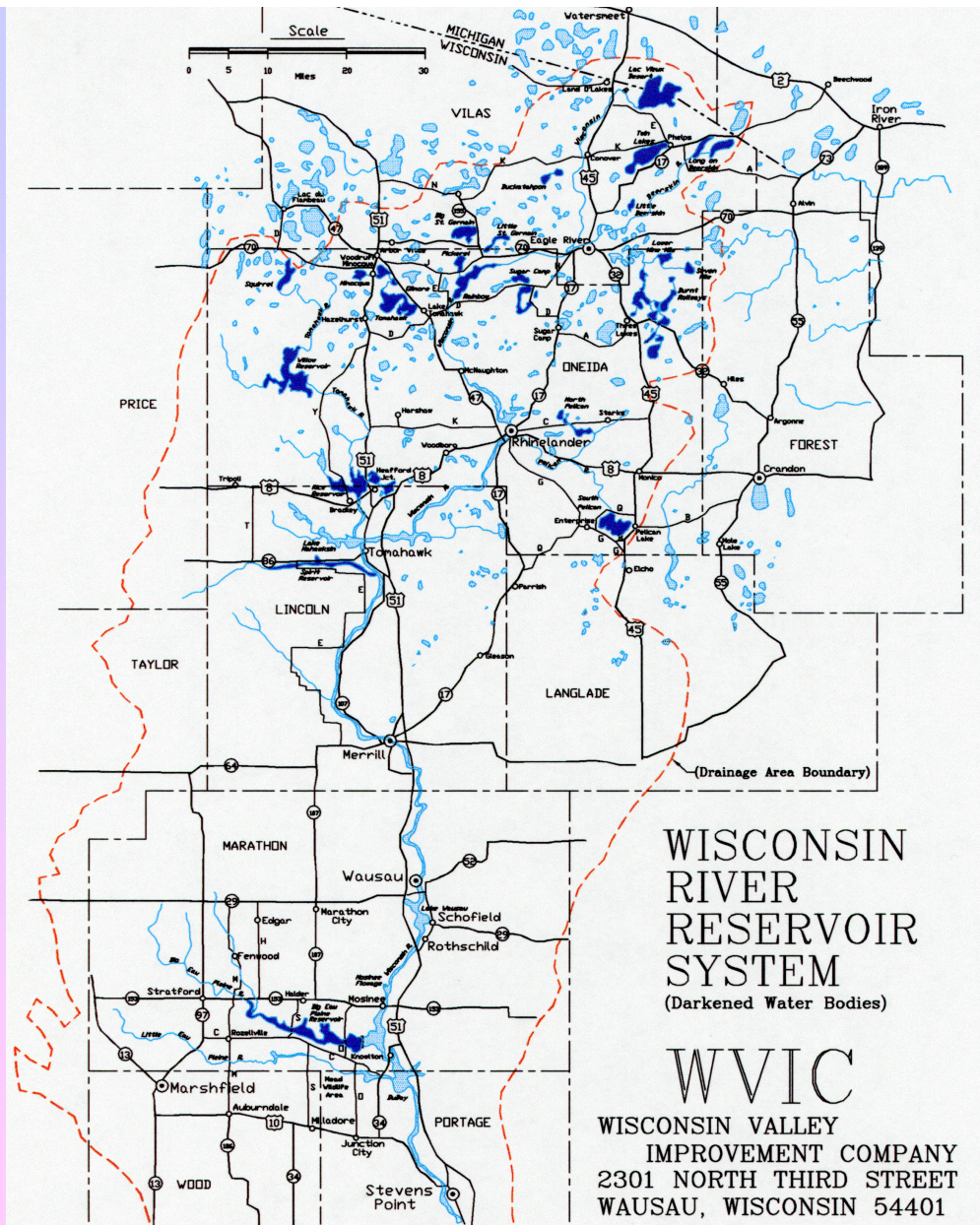


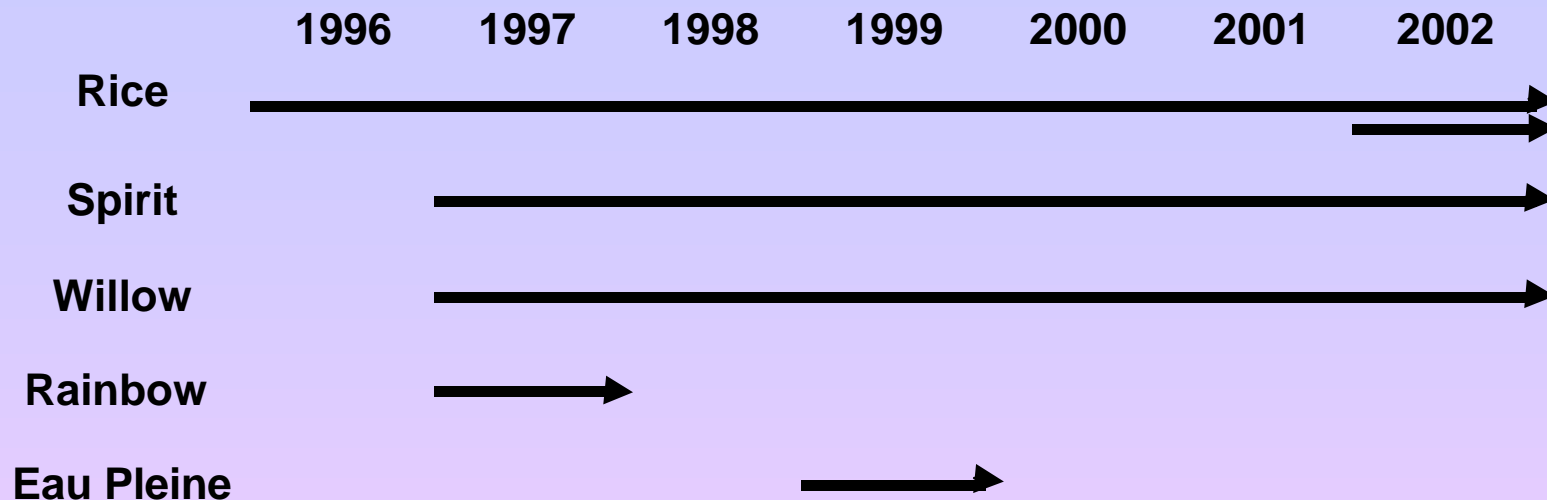
FERC Project 2113



Wisconsin Valley
Improvement
Company
(WVIC)



WVIC Purple Loosestrife Chemical Control Effort



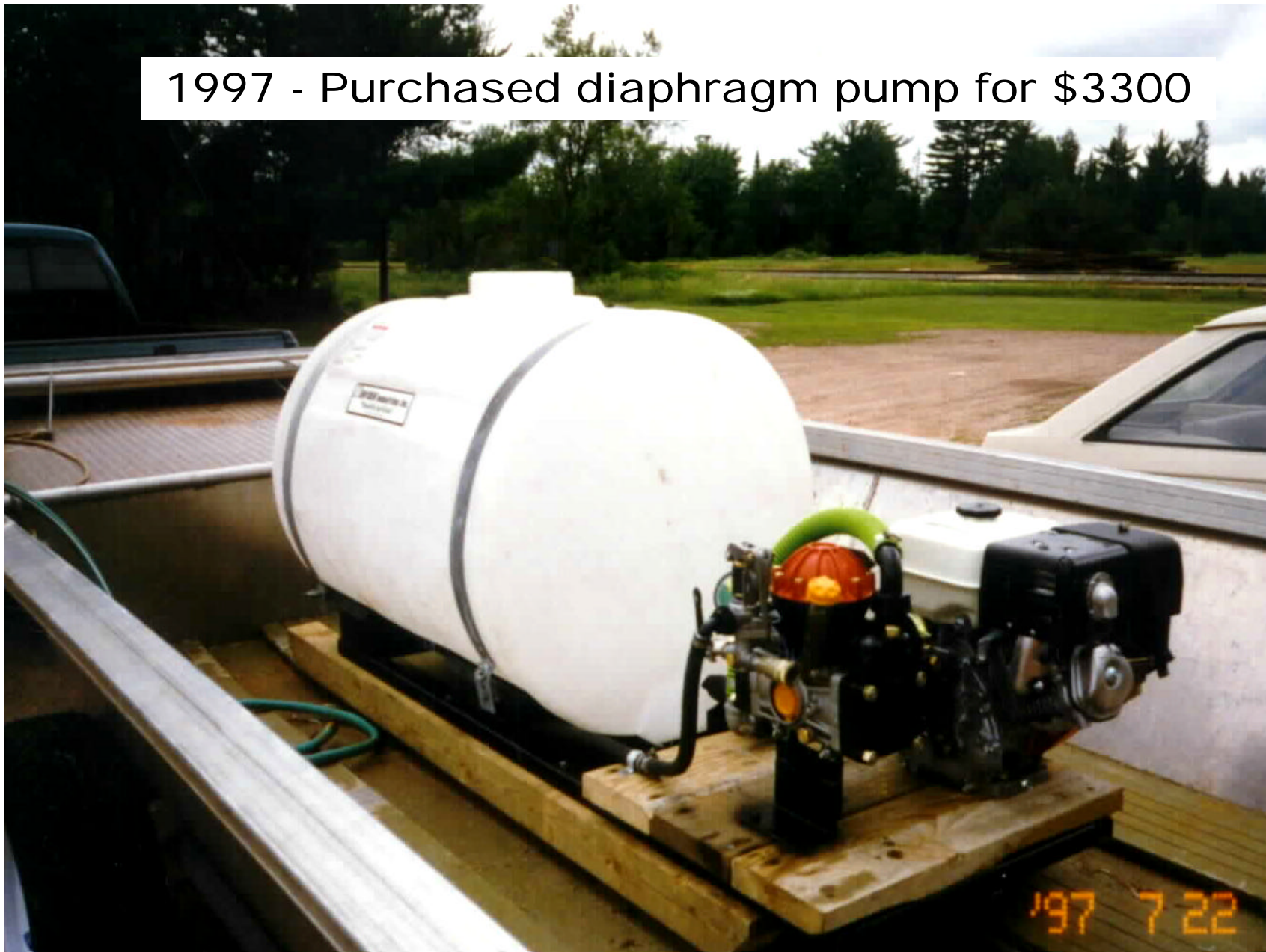
- 1996 - Began pilot study on Rice Reservoir; learned that 0.5% Rodeo was effective
- 1997 - Effort Expanded to include Rainbow, Willow, and Spirit
- 1998 - Effort continued on Rice, Willow, and Spirit (none observed on Rainbow)
- 1999 - Effort expanded to include Eau Pleine and continued on Rice, Willow, and Spirit (none observed on Eau Pleine)
- 2000 - Effort continued on Rice, Willow, and Spirit
- 2001 - Effort continued on Rice, Willow, and Spirit
- 2002 - Effort continued on Rice, Willow, and Spirit. Rice sprayed 2 times to test if double effort was needed.

Topics to Cover

1. Cost and Time Summaries - What has WVIC learned after 7 years of spraying?
2. Effectiveness - Have we gained any ground in controlling purple loosestrife on our reservoirs?
3. Public/riparian involvement - Is it important?

Cost and Time Summaries

1997 - Purchased diaphragm pump for \$3300

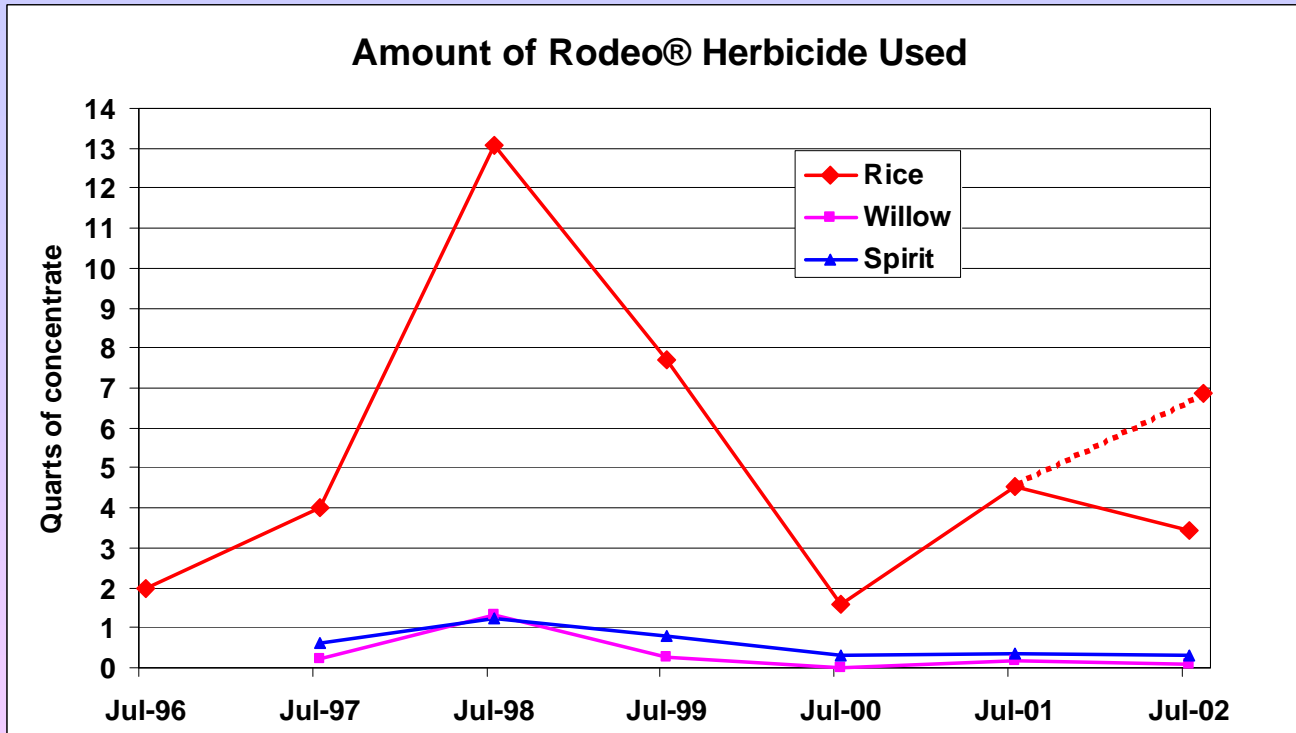


Purchased back pack sprayers for not easily accessible areas for \$100 each

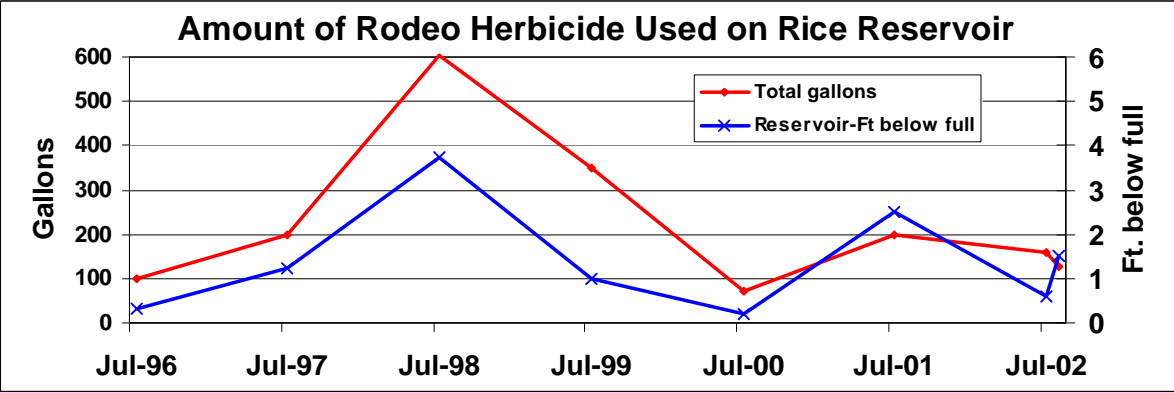
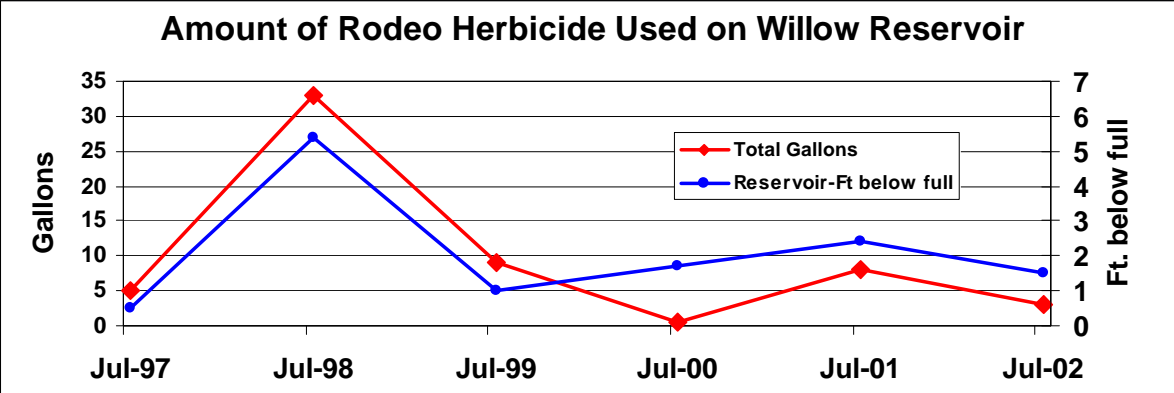
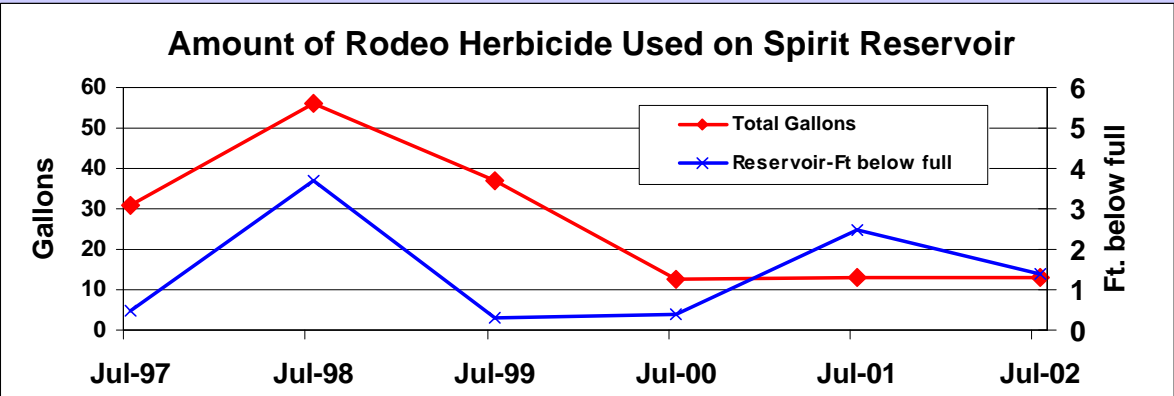


Train LTEs to assist with spraying and provide them with personal protective equipment

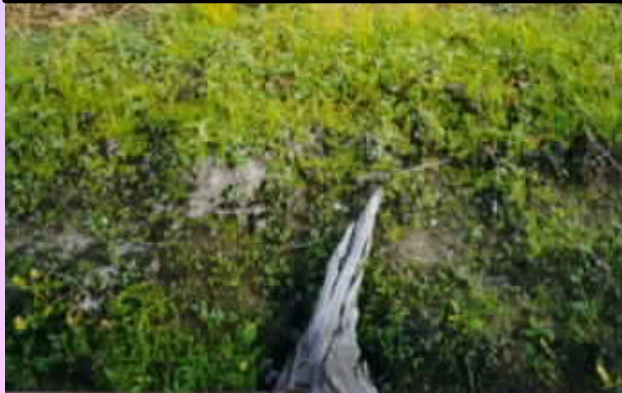




Reservoir	1996	1997	1998	1999	2000	2001	2002	TOTAL
	Cost Rodeo®	Cost Rodeo®	Cost Rodeo®	Cost Rodeo®	Cost Rodeo®	Cost Rodeo®	Cost Rodeo®	Cost Rodeo®
Rice	\$70	\$141	\$455	\$267	\$54	\$156	\$217	\$1,361
Willow		\$4	\$29	\$9	\$1	\$6	\$3	\$50
Spirit		\$25	\$43	\$27	\$12	\$12	\$11	\$119
TOTAL	\$2	\$170	\$527	\$303	\$67	\$174	\$231	\$1,530



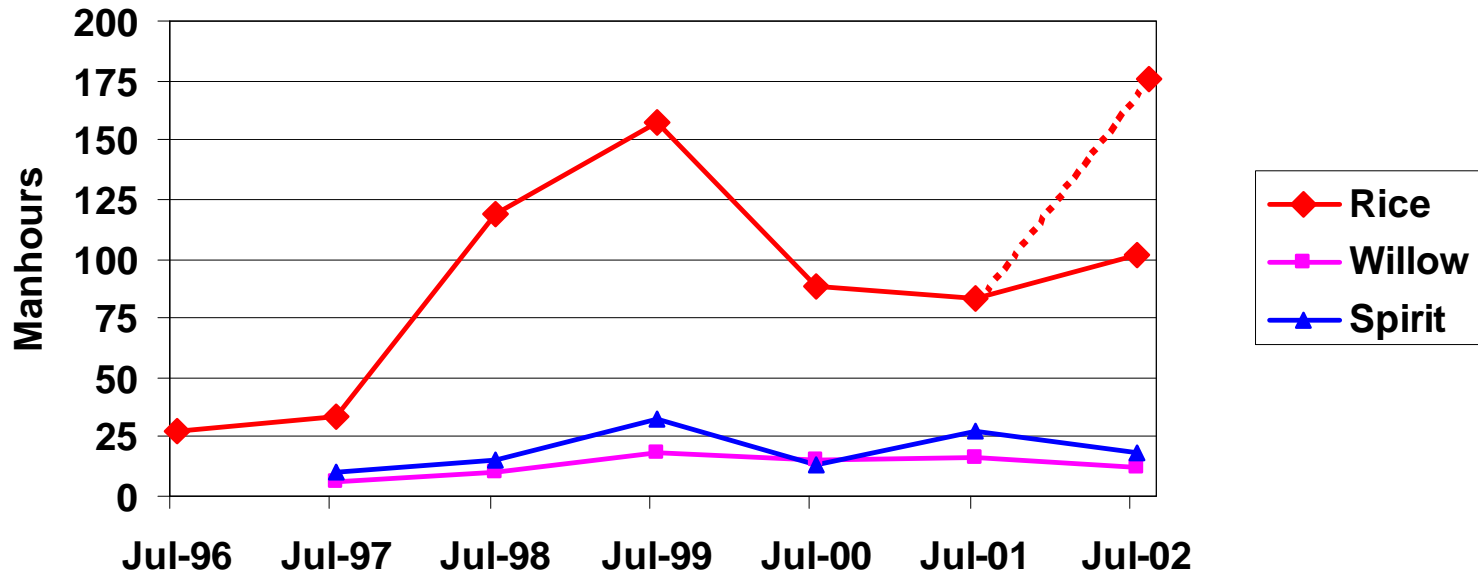
Regeneration during the same year



Echo Bay 1998

Echo Bay 1999

Manhours to Spray Rodeo Herbicide



Reservoir	1996	1997	1998	1999	2000	2001	2002	TOTAL
	Man hours	Man hours	Man hours	Man hours	Man hours	Man hours	Man hours	Man hours
Rice	27	33	119	157	88	83	176	683
Willow	0	6	21	18	15	16	12	88
Spirit	0	10	15	32	13	27	18	115
TOTAL	27	49	155	207	116	126	206	886

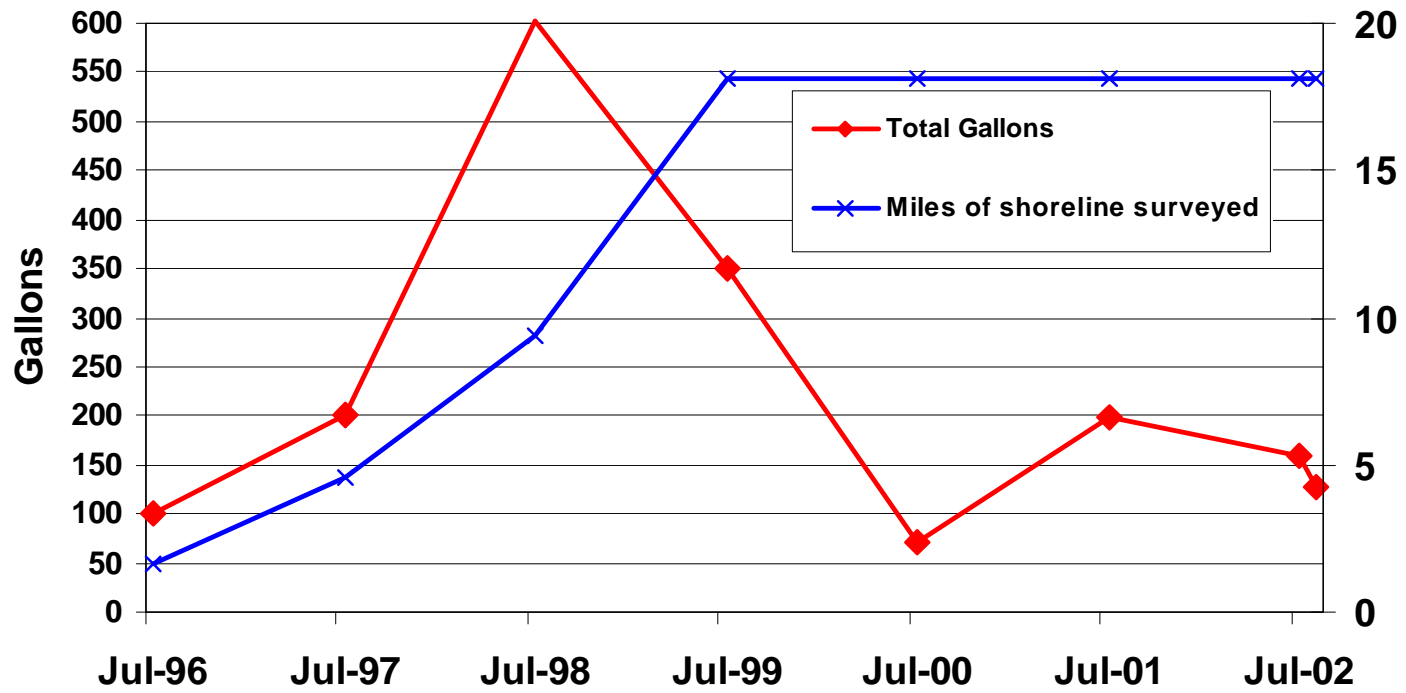
Additional Man Hours Required

1. Permit applications to WDNR and WDOT
2. Identifying all adjoining landowners and acquiring current mailing addresses
3. Mailing permit application as required in Wisconsin Administrative Code NR 107.04 (4) and other information to all “adjacent riparian property owners”
4. Completing and mailing “Aquatic Plant Management Treatment Records” to WDNR as required in Wisconsin Administrative Code NR 107.08 (8)
5. Assessing effectiveness of efforts

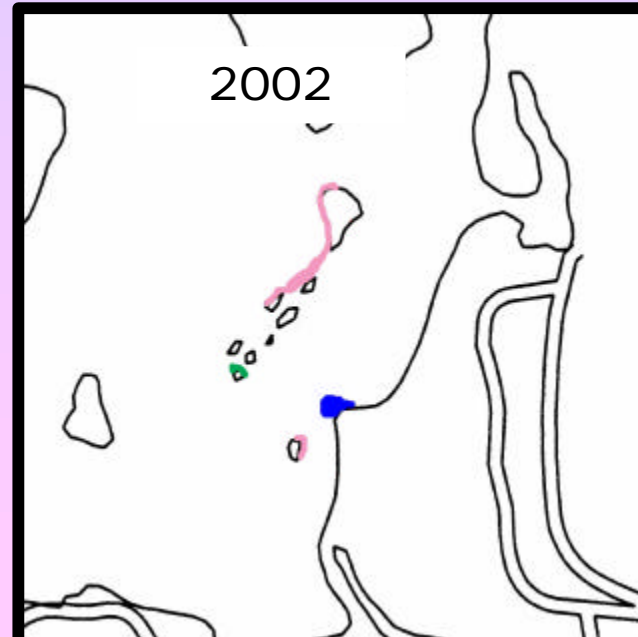
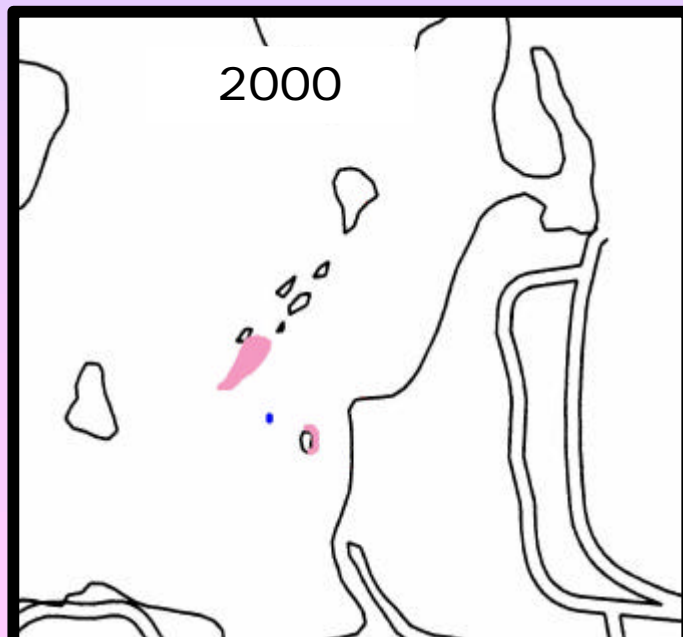
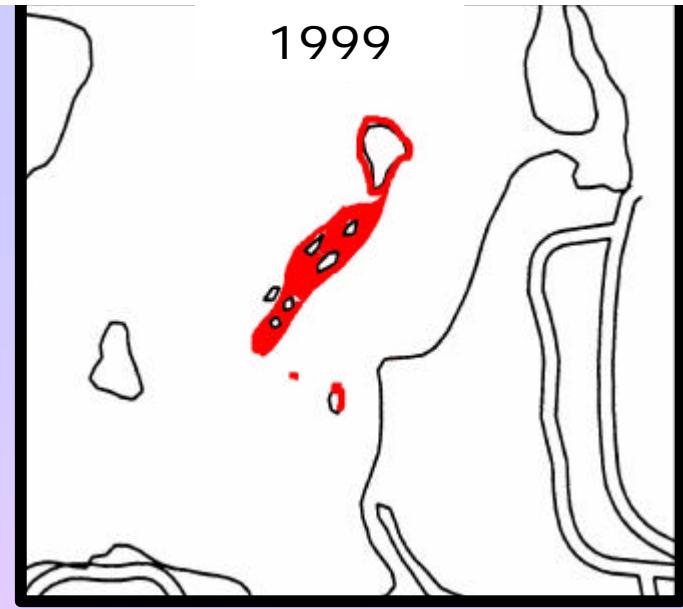
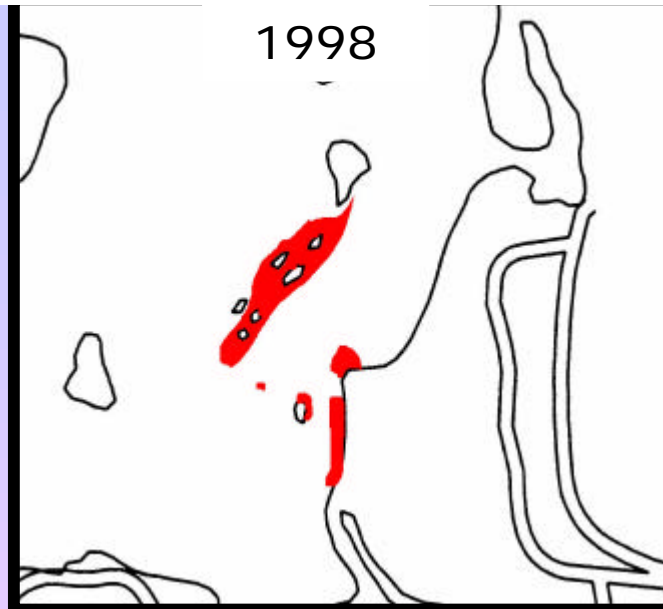
# of Notices Mailed to Adjoining Landowners							
	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>
Willow	0	1	1	1	1	1	1
Rainbow	0	2	0	0	0	0	0
Eau Pleine	0	0	17	16	17	0	0
Rice	10	30	80	100	167	168	114
Spirit	<u>0</u>	<u>26</u>	<u>44</u>	<u>45</u>	<u>44</u>	<u>11</u>	<u>11</u>
TOTAL	10	59	142	162	229	180	126
	✓	✓	✓	✓	✓	✓	✓

Effectiveness

Amount of Rodeo Herbicide Used on Rice Reservoir



Willow
Reservoir
1998 -
2002



KEY
(# plants)

Red	= >20
Pink	= 6-20
Blue	= 2-5
Green	= 1

Echo Bay after 7 years of spraying:





Plants in Echo Bay after 7 years of spraying:

Typha latifolia

Impatiens capensis

Bidens spp.

Polygonum spp.

Asclepias incarnata

Achillea millefolium

Alisma plantago-aquatica

Scirpus validus

Sparganium eurycarpum

Acorus calamus

Sagittaria latifolia

Sium suave

Dulichium arundinaceum

Juncus spp.

Salix spp.

Eleocharis palustris

Lythrum salicaria





Public/riparian involvement

HELP CONTROL PURPLE LOOSESTRIFE

Purple loosestrife is an aggressive plant that is invading our wetlands and...



- replacing valuable wetland plants;
- eliminating food and shelter for wildlife;
- choking waterways.

Don't Be Confused By These Purple Loosestrife Look-a-Likes



Blazing Star



Fireweed



Blue Vervain

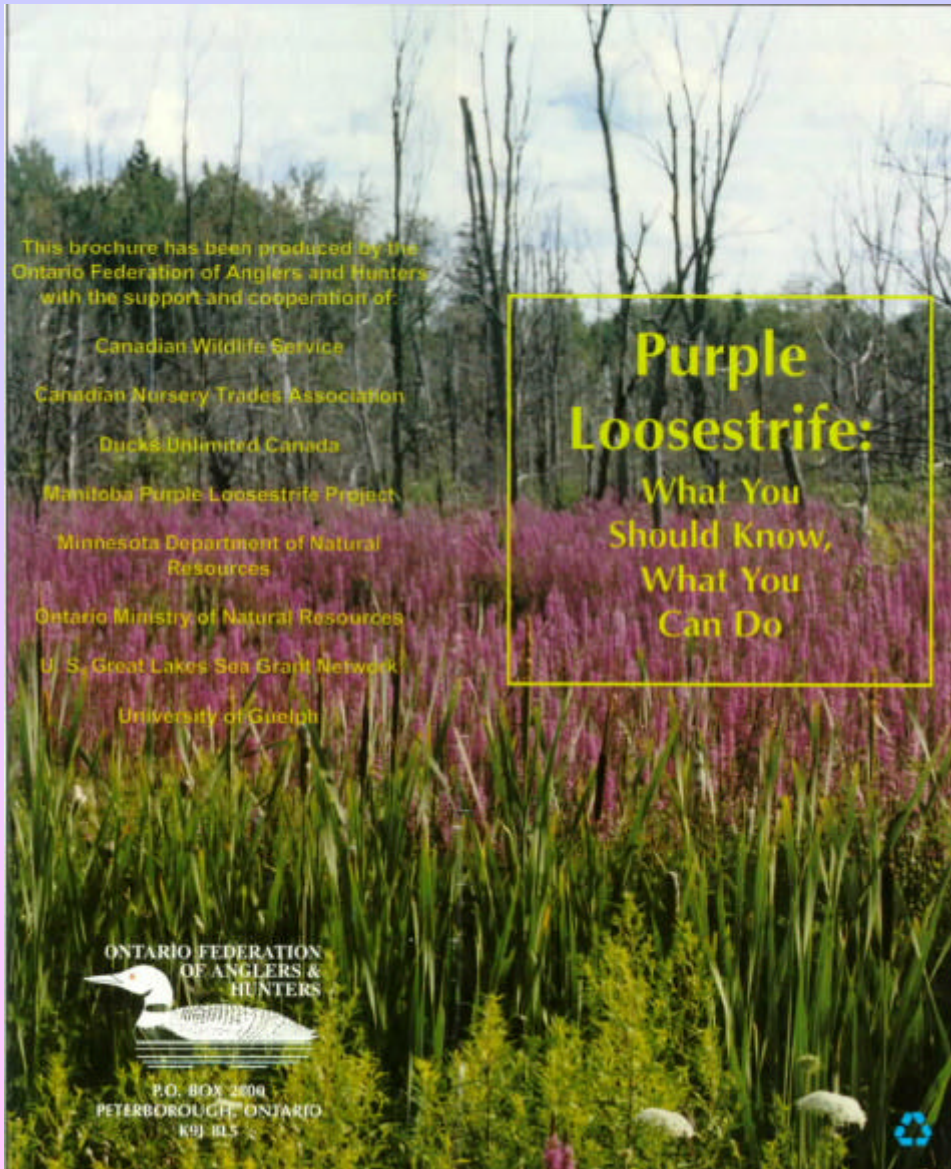
REPORT SIGHTINGS TO
Wisconsin Valley Improvement Co.

We are working to control purple loosestrife on the Wisconsin River Reservoir System.
We welcome your cooperation. Contact us if you see it.
We will investigate and take steps to eradicate it.

715 848 2976

PROVIDE DETAILED LOCATION INFORMATION

1998 - Began Posting Boat Landings



1999

Purchased
1,000
brochures
for \$100

- Included in adjoining landowner notifications
- Distributed at presentations done by WWIC



