

Final Programmatic Report

Regarding: Wallace Research Foundation grant to Regional Inlet Invasive Plant Program

To: Hilary Smith, Director, Adirondack Park Invasive Plant Program
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From: Patty Wittmeyer, Town Clerk, Town of Inlet, 13360 clerk@inletny.com
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1. The purpose of the grant was to provide funding for Japanese Knotweed control efforts in the Adirondacks. Grant funds allowed us to expand efforts to numerous addition sites and many new towns across the Adirondacks during 2012, as well as go back to nearly all sites previously treated to help eradicate any remaining knotweed. See the website www.noknotweed.org which describes the activities of the RIIPP (Regional Inlet Invasive Plant Program).
2. The grant project included coordination with Elizabeth Mangle of the Hamilton County Soil and Water Conservation District along with Brendan Quirion and Hilary Smith of the Adirondack Park Invasive Plant Program. Coordination with Brendan Quirion included deciding which sites should be treated by Brendan and his team (generally on public park land), and which sites should be treated by RIIPP (generally private property), and to help prioritize the sites (generally those near water/streams/rivers had highest priority). Several of Paul Smith's water stewards also helped identify additional sites with Japanese knotweed, and obtain property owner permissions.
3. Summary of grant's outcomes
 - a. Description of partners involved and their roles:
 - i. Doug Johnson – volunteer coordinator and pesticide applicator – created and maintained www.noknotweed.org web site, helped coordinate volunteers and pesticide applicators, , wrote newspaper articles, treated some sites, helped with publicity and reports
 - ii. Patty Wittmeyer and Town of Inlet – coordinated activities of pesticide applicators, purchased equipment and supplies, record keeping, finances
 - iii. Invasive plant coordinators – identified sites, obtained permissions from property owners, showed pesticide applicators the sites, helped with fund raising. All of the volunteers from 2011 remained active, and several new volunteers from additional towns became active.
 1. Blue Mountain Lake Ellen Collins
 2. Indian Lake Terry DeArmas
 3. Inlet/Eagle Bay/Big Moose Patty Wittmeyer
 4. Lake Piseco Katy Weil
 5. Lake Placid Larry Master
 6. Long Lake Chuck Taylor
 7. North Creek/North River Judy Brown and Evelyn Greene
 8. Saranac Lake Leslie Karasin
 9. Chestertown Jan McCann

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| 10. Garnet Lake | Bob Manning and Roy Keats |
| 11. Tupper Lake | Scott Chartier |
| 12. Warrensburg | John Wulfken |
- iv. Ryan Burkum, Avery Menz, Eric Menz – certified pesticide applicators
 - v. Doug Johnson, Patty Wittmeyer, and the invasive plant coordinators all volunteered their time, which probably totalled over 200 hours. There were two meetings which involved many of the volunteers along with applicators held at Ellen Collins house in Blue Mountain Lake, as well as numerous emails and phone calls to coordinate efforts.
 - vi. There have been several stories in Adirondack newspapers in 2012, the Adirondack Council newsletter carried a story on RIIPPs efforts to control Japanese Knotweed, Douglas Johnson received the 2012 Green Action Service Award from the HCSWCD (Hamilton County Soil and Water Conservation District) for “his commitment to ridding the Adirondack Park of invasive Japanese Knotweed plants”, and an article on our efforts is scheduled to be published in Adirondack Life in early 2013.
- b. Number of sites identified:
 - i. Over 150 sites were identified with property owner permissions obtained; there were many other sites with knotweed seen, but for which property owner permission was not obtained
 - c. Number of sites treated
 - i. Ryan Burkum – treated 106 sites
 - ii. Doug Johnson – treated 14 sites
 - iii. Avery and Eric Menz – treated over 25 properties (many very large, some multiple sites)
 - d. Applicator names, their role, activities, and accomplishments – see Appendix I.
 - i. Ryan Burkum – treated 106 sites, including 46 in Blue Mt Lake, 30 in Indian Lake, 8 in Lake Placid, 2 in Long Lake, 2 in Cranberry Lake, 2 in Wanakena, and 4 in Star Lake, and 8 in Saranac Lake using 1778 ounces of Accord. Since about 2 ml are used to inject in each cane, each ounce treats about 15 canes, this would treat about 26,670 canes.
 - ii. Doug Johnson – did follow-up treatment of 21 sites in Inlet and Town of Webb which had been treated in previous years using 40 ounces of Accord – which would treat about 600 canes. Doug’s time for treatments and becoming recertified were donated.
 - iii. Avery and Eric Menz – treated over 25 properties in Eagle Bay, Inlet, Old Forge, Lake Piseco, Wells, and many large sites on the outflow from Garnet Lake using 1582 ounces of Accord – which would treat about 23,730 canes.
 - iv. The total payments to Ryan Burkum and Avery Menz were \$13,645. This grant paid for part of this, with additional funds from donations.
 - e. Description of equipment or supplies purchased
 - i. Accord was purchased at \$1,034.41, and XRTII at 129.75.
 - ii. Signs, marking pens, needles, injection were purchased \$112.61
 - f. Description of how site occurrence data and treatment data was collected and stored
 - i. Site occurrence data were collected by each invasive plant coordinator, entered into an excel spreadsheet, and much of the occurrence data entered into imapinvasives.org. Treatment data was collected by the applicators, and entered into a spreadsheet

- ii. Invasive plant coordinators have agreed to help out again next year to help coordinate treatments
- iii. Ryan Burkum, Avery Menz, and Eric Menz have indicated they will be available again during August and September 2013 to do treatments. With them knowing the sites they've already treated, it will be easy for them to know exactly where to do followup treatments.
- g. Assessment of treatment progress to date
 - i. We have built upon our work of prior years, and made great progress this year including:
 1. Assessing and treating if necessary nearly all sites which had been treated in prior years – in some sites there was no more knotweed, and this year's treatments should eradicate or nearly eradicate knotweed from many more of these sites (in Inlet, Blue Mt Lake, Indian Lake, Town of Webb, Eagle Bay, North Creek, North River)
 2. Treating many newly identified sites in Indian Lake, Lake Placid, Long Lake, Saranac Lake, Garnet Lake, Cranberry Lake, Piseco, Johnsburg, Speculator, Star Lake
 3. We estimate about 51,000 canes were treated at over 160 sites.
 4. Our experience (from doing treatments for several years) is that over 90% of plants will be killed the first year, that nearly all the plants will be killed with two years treatments, and that a third (and sometimes 4th year treatment) are needed for large sites (several hundred to thousands of canes). This success occurs with injecting large canes. If large canes are sprayed, deformed plants come back in future years and it takes several additional years (more than 3) to eradicate the knotweed.
 - h. Description of other project work supported by this grant, if applicable
 - i. none
- 4. Statement of future needs or recommendations
 - a. We have only gotten property owner permissions for some of the sites in Chestertown, Lake Placid, North Creek, North River, and have not obtained any from other areas in the Adirondacks including Forestport and Warrensburg. While we've identified and obtained permissions for most sites in Blue Mt Lake, Indian Lake, Inlet, Town of Webb, North Creek, North River, Speculator, Wells, there are more sites in these places as well.
 - b. Thus we need continued efforts from invasive plant coordinators to obtain additional property owner permissions and fund-raising. We need recruit additional invasive plant coordinators for other areas in the Adirondacks.
 - c. For 2013, we need applicators to revisit all sites treated in prior years, since it usually takes about 3 years of treatment to eradicate the knotweed. Ryan Burkum estimates that 84 hours in 2013 will be needed to retreat sites. This includes 24 in Blue Mt Lake, 20 in Indian Lake, 6 in Saranac Lake, 4 in Long Lake, 4 in Cranberry Lake, 4 in Wanakena, 4 in Star Lake, and 16 in Lake Placid. Eric Menz has numerous sites in Garnet Lake, North Creek, North River, Lake Piseco, Wells, Speculator, Town of Webb, and Eagle Bay which need additional treatment in 2013. Douglas Johnson has about a twenty sites in the Inlet area for which the knotweed is nearly eradicated, which need be checked and some treated in 2013.
 - d. For 2013, we need treat many new sites. Ryan Burkum estimates that 40 hours will be needed to treat new sites in the towns he has been treating for which we've already obtained permissions. This includes 4 hours in Indian Lake, 12 in Saranac Lake, 4 in Cranberry Lake, 8 in

Lake Placid, and 10 in Tupper Lake. We have permissions for 10 new sites in Chestertown. There are other sites in those towns for which permission has not been obtained yet. There are extensive sites with Bohemian knotweed along Moose River in Forestport, a high priority site to prevent spread downriver. In addition, we have an enthusiastic new volunteer coordinator in Warrensburg, and expect to obtain permissions for many new sites there in 2013.

- e. In 2012, the grant funding enabled us to do much more treatments than would otherwise have been possible. While we continue fund-raising, grant funds have been crucial for our efforts
- 5. Samples of photographs of sites identified for treatment or those that received treatment
 - a. See website (www.noknotweed.org) for photos. If desired, we can furnish a flash drive with pictures, or make some prints.
- 6. Map of sites identified and sites receiving treatment
 - a. Many of the sites along with photos have been entered into imapinvasives.org
 - b. An appendix follows, which lists sites treated by Ryan Burkum, Eric Menz, and Doug Johnson, including the ounces of pesticide used per site.

Appendix I. 2012 Treatment sites and amount of pesticide per site

2012 Japanese Knotweed Treatments by RIIPP

2012 Treatments by Eric Menz

ADDRESS	Town	Herbicide (ounces)	Date
16 Ross Mount Drive	Johnsburg	4	8/6/12
2 Ross Mount Drive	Johnsburg	240	8/6/12
Big Moose Road	Eagle Bay, Webb	13	8/1/12
2176 Big Moose Road	Eagle Bay, Webb	12	8/1/12
128 Central Ave	Eagle Bay, Webb	15	8/1/12
Forest Lane	Eagle Bay, Webb	75	8/1/12
28 Seventh Lake Road	Inlet	5	8/1/12
28 Seventh Lake Road	Inlet	75	8/1/12
343 Highland Terrace East	Old Forge, Webb	270	8/2/12
Route 28	Webb	25	8/2/12
South Shore road	Webb	22	8/2/12
56 Garnet Lake Road	Johnsburg	138	8/6/12
22 Ross Mount Drive	Johnsburg	58	8/6/12
22 Ross Mount Drive	Johnsburg	37	8/7/12
54 Garnet lake Road	Johnsburg	95	8/7/12
397 Route 28	Inlet	32	8/27/12
1 7th Lake Road	Inlet	15	8/27/12
126 Hyland Avenue	Old Forge, Webb	50	8/26/12
433 Old Piseco Road	Piseco	130	9/4/12
669 Old Piseco Road	Piseco	15	9/4/12
103 Gilmantown Road	Speculator	69	9/4/12
109 Gilmantown Road	Speculator	59	9/4/12
118 Gilmantown Road	Speculator	50	9/5/12
122 Gilmantown Road	Speculator	68	9/6/12
134 Griffin Road	Indian Lake	10	9/6/12
Total by Eric Menz		1582	

2012 Knotweed Treatments by Ryan Burkum

2012 Knotweed Treatments Blue Mountain Lake

Owner/ Location	Time (hours)	Herbicide (ounces)
Ken Hinckley	2	13
Edward Kirkham	1	12

George Kirkham	1	8
BML Fire Deptment	0.25	1
Sherry Nemmers	0.25	1
Robert Booth (new owner William Booth)	0.5	2
Paola Radicchi	0.25	1
Elizabeth Folwell	1.5	22
Jerry Pepper	0.5	2
Hilda Coon	0.5	3
Sharon Fish	1	6
Schuyler Coulter	0.5	4
John collins	0.25	1
Peter Miller	0.5	1
Mary Leach	2.5	14
Joan Collins Engel	0.25	2
Mary Moro	0.5	5
Marcellus	0.5	2
Pat Benton	1.5	14
Sandra Schmitt	0.5	0.5
John Joyce	0.25	1
Jane Jacobs	0.5	0.5
Stehlin	0.5	1
Karen Lamphear	0.25	0.5
Stearns (now Elmer Gates property)	0.5	0.5
Elmer Gates	6	85
Philip Joyce	0.5	1
Butters	0.25	1
Kathleen Potter	1.5	10
Sahler	3	51
William Carlow	0.25	0.5
John McEvoy	0.5	2
Cummins	1.25	7
BMI Dump	1.5	32
BML Garage/ Sand Pile	2	21
Dowling	0.5	
ADK Museum (several sites)	15	225
service area and along road		
storage building across from museum		
storage building on route 30		
around cabin on routes 28 & 30		
patches along routes 28 & 30		
patches on Maple Lodge Road		

Other sites treated in BML

Road to Water Treatment	0.25	2
Along Durant Road	0.75	6
End of Durant Road	1	22
Route 28 ROW across from store	0.25	2
Route 30 ROW across from store	0.25	2
BML 46 sites	52.5	587.5

2012 Knotweed Treatments Indian Lake

<u>Owner/ Location</u>	<u>Time (hours)</u>	<u>Herbicide (ounces)</u>
Donald Rusch	6	128
Jim Zullo	1.25	16
Timothy Husson	5	135
Robert Benton	1.5	28.5
Kim Mitchell	1.5	28.5
US Post Office	0.5	7
Catherine Bennett	0.5	3
Jack Hall	0.5	2
Ruth Stephans	0.25	1
Jon Scott	0.5	3
Michael Farrell	2	26
Kathleen Rager	1.5	11
Francis DeMarsh	1.5	2
Joan Duryer ?	1	31
Sean Arsenault	0.5	6
Karen Bennett	0.25	3
Patricia Curry	0.5	2
Sally Stanton	4	49
Pines Country Store	1.5	20
John Sterling	1.25	15
Judith Durkin	0.5	5
Jane Osborne	0.25	1
Kelly King	0.25	1
Susan Eldridge	0.5	4

Town of Indian Lake sites

Ski Hill Road	1	26
End of Chain Lakes Road	2	9
Indian Lake 30	36	563

2012 Knotweed Treatments Saranac Lake

Owner/ Location	Time (hours)	Herbicide (ounces)
John Vinograd	2	18
Robert Bevilacqua	3	42
Robert Martin	6	127
Bonnie Maher	8	116
Kathleen Merritt	1	2
Terrrie Perkins	2	18
St. Joesoh Treatment Center	1.5	7
Esther Vibert	1	7
Saranac Lake 8 sites	24.5	337

2012 Knotweed Treatments Cranberry Lake Area

Owner/ Location	Time (hours)	Herbicide (ounces)
Cranberry Lake Sites		
Kelly Smith	1	22
Christine Burkard	1.25	5
Wanakena Sites		
Thomas Foy	3	106
George Thein ?	2	25
Star Lake Sites		
Rudolph Sovay ?	1	17
Dean Williams	0.5	4
David McCoy	1.25	25
Adam Thompson	2	8
Total	12	212

2012 Knotweed Treatments Lake Placid

Owner/ Location	Time (hours)	Herbicide (ounces)
Village of Lake Placid	2	6
Mark Bath	1	2
Tom Riedl ?	1	1
Alan Pereskeaut	0.5	2
Rite Aid	3	8
Art Lussi	1	3
Eileen Black	1	2

Vespa ?	0.5	2
Total	10	26

2012 Knotweed Treatments Long Lake

Owner/ Location	Time (hours)	Herbicide (ounces)
Shirley Thompson	2	26
John Arsenault	2	26
Total	4	52

Total by Ryan Burkum 1778

2012 Treatments by Doug Johnson

Location	Town	Herbicide (ounces)
Town of Inlet canoe carry	Inlet	2
376 Rt 28	Inlet	2
7th Lake Rd	Inlet	3
374 Rt 28	Inlet	2
169 Rt 28	Inlet	2
156 Rt 28	Inlet	3
18 South Shore Rd	Inlet	1
20 South Shore Rd	Inlet	2
Loomis Rd	Inlet	1
Fern Park Loomis Rd	Inlet	1
165 Rt 28	Inlet	2
186 Rt 28	Inlet	3
161 Rt 28	Inlet	2
Rt 28	Town of Webb	1
1 7th Lake Rd (Clayton's cottages)	Inlet	2
28 7th Lake Rd	Inlet	1
351 Rt 28	Inlet	5
12 7th Lake Rd	Inlet	1
599 Rt 28 (Taylor)	Inlet	2
401 Rt 28 (Willis)	Inlet	2
397 Rt 28	Inlet	2
Total - 21 sites		40

Summary	#sites/properties	Herbicide (ounces)	# canes (est)
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Eric Menz	25	1582	23730
Ryan Burkum	106	1778	26663
Doug Johnson	21	40	600
Total	152	3400	51000