

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 many additional sites and new towns across the Adirondacks during 2013, as well as go back to nearly all sites previously treated to help eradicate any remaining knotweed. The grant was used to hire certified pesticide applicators to perform the treatments. 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).
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, gave presentation at the Knotweed Summit Management Conference.
 - 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 2012 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
10. Garnet Lake	Bob Manning and Roy Keats
11. Tupper Lake	Scott Chartier
12. Warrensburg	John Wulfken
13. Bolton Landing	Anne Green
14. Old Forge	Nick Rose
15. Lower Hamilton County	Elizabeth Mangle

- iv. Ryan Burkum, Avery Menz, Eric Menz, Kathy Vanselow (new this year) – certified pesticide applicators
- b. Doug Johnson, Patty Wittmeyer, and the invasive plant coordinators all volunteered their time, which probably totalled over 200 hours. There was a meeting of 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.
- c. There have been several stories about our efforts in Adirondack newspapers in 2013, and a feature article "The Knotweed Factor: The citizen battle against a notorious invasive" in Adirondack Life.
- d. Number of sites identified:
 - i. Over 200 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
- e. Number of sites treated
 - i. Ryan Burkum – treated 145 sites
 - ii. Doug Johnson – treated 21 sites
 - iii. Avery and Eric Menz – treated 17 sites
 - iv. Kathy Vanselow – treated 27 sites
- f. Applicator names, their role, activities, and accomplishments – see Appendix I.
 - i. Ryan Burkum – 230 hours, treated 145 sites, including 52 in Blue Mt Lake, 26 in Indian Lake, 24 in Lake Placid, 2 in Long Lake, 16 in Cranberry Lake/Wanakena/Star Lake, 18 in Saranac Lake, 3 in Tupper Lake, 3 in Croghan, 1 in Keeseville using 1658 ounces of Accord. Since about 2 ml are used to inject in each cane, each ounce treats about 15 canes, this would treat about 24,870 canes.
 - ii. Doug Johnson – did follow-up treatment of 21 sites in Inlet and 1 new site in Inlet using 32 ounces of Accord – which would treat about 475 canes. Doug's time for treatments and becoming recertified were donated.
 - iii. Avery and Eric Menz – 71 hours, treated sites 17 sites including 1 in Old Forge, 3 in Lake Pleasant, 6 in Arietta, 4 in Wells, 2 in Morehouse, 1 in Hope, and 1 in Pacieco using 579 ounces of Accord – which would treat about 8685 canes.
 - iv. Kathy Vanselow –160 hours, treated 27 sites, many very large, including 7 in Bolton Landing, 3 Garnet Lake, 3 Warrensburg, 5 Chestertown, 8 North Creek and 1 in Horicon using 1778 ounces of Accord – which would treat about 26,664 canes.
 - v. The total payments to Ryan Burkum, Avery Menz, and Kathy Vanselow were \$18,440. The total number of canes treated is about 60,700. This grant paid for part of this, with additional funds from donations.

- g. Description of equipment or supplies purchased
 - i. Rodeo was purchased at \$785.12.
 - ii. Signs, marking pens, needles, injection, backpack sprayer were purchased \$233.
 - h. 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 and Kathy Vanselow have indicated they will be available again during August and September 2014 to do treatments. We are waiting to hear from Avery and Eric Menz. With applicators knowing the sites they've already treated, it will be easy for them to know exactly where to do follow-up treatments.
 - i. 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 2014 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 Arietta, Morehouse, Wells, Indian Lake, Lake Placid, Saranac Lake, Cranberry Lake, Piseco, Johnsburg, Speculator, Star Lake, Tupper Lake, Bolton Landing, Warrensburg
 3. We estimate over 60,000 canes were treated at over 200 sites in 2013.
 4. Our experience (from doing treatments for several years) is that over 90% of plants will be killed the first year, that over 98% killed with two years treatments, but that 4 to 5 years of treatment are needed for large sites (several hundred to thousands of canes). This success occurs with injecting large canes and spraying plants too small to inject. If large canes are sprayed, deformed plants come back in future years and it takes several additional years (more than 4) to eradicate the knotweed.
 - j. 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, Bolton Landing, Tupper Lake, Warrensburg and have not obtained any from other areas in the Adirondacks including Forestport. 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 2014, we need applicators to revisit all sites treated in prior years, since it usually takes 4 or 5 years of treatment to eradicate the knotweed.

- d. For 2014, we need treat many new sites. There are many sites that we were not able to treat in 2013 for which we have permissions, some sites are awaiting APAP approval, and we expect to obtain permissions for many additional sites in 2014. There are extensive sites with Bohemian knotweed along Moose River in Forestport, a high priority site to prevent spread downriver.
- e. In 2013, 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. We need raise at least \$12,000 in additional donations or grants between now and August 2014 to allow us to continue efforts at the same extent we did in 2013.
- 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, Kathy Vanselow, Avery and Eric Menz, and Doug Johnson, including the ounces of pesticide used per site.

Appendix I. 2013 Treatment sites and amount of pesticide per site

2013 Knotweed Treatment - Burkum	Ounces	Address
Blue Mountain Lake Sites		
Ken Hinckley	3	161 Durant Road
Edward Kirkham	3	Maple Lodge Road
George Kirkham	1	Maple Lodge Road
BML Fire Department	1	Route 28
Sherry Nemmers	1	3451 Route 28
Richard Booth	1	Durant Road
Paola Radiccai	1	3432 Route 28
Elizabeth Folwell	1	8814 Route 30
Jerry Pepper	3	8774 Route 30
Hilda Coon	1	8746 Route 30
Shaun Fish	3	8733 Route 30 8746 Route 30
Schuyler Coulter	2	3163 Route 28
John Collins	1	Route 28 West
Peter Miller	3	3363 Route 28
Mary Leach	2	122 Thomas Edison Rd.
Joan Collins Engel	1	3343 Route 28
Mary Moro	1	Route 28 West
Marcellus	1	Route 28
Pat Benton	4	1 Hedges Road
Sandra Schmitt	1	259 Durant Road
John Joyce	1	267 Durant Road
Jane Jacobs	1	271 Durant Road
Stehlin	1	241 Durant Road
Karen Lamphear	4	Durant Road
Stevens	6	179 Durant Road
Philip Joyce	3	Routes 28 & 30
Butters	1	112 Wells Road
Kathleen Potter	1	9912 Route 30
Sahler	4	Cedar Lane
William Carlow	1	Wells Road
John McEvoy	1	Wells Road
Cummings	1	114 Wells Road
BMI Dump	12	Routes 28 & 30
BML Garage/ Sand Pile	6	Durant Road
Dowling	6	9028 Routes 28 & 30
Blanchard	81	181 Durant Road
Clarkson University property	16	266 Durant Road

ADK Museum (several sites)	61	
61		
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		
Along Durant Road	6	
6		
End of Durant Road	2	
2		
Route 28 ROW across from store	1	
1		
Route 30 ROW across from store	1	
1		
Phragmites on Durant Road	2	
2		
Indian Lake Sites		
James Zullo	3	5492 Route 30
Sally Stanton	3	19 Stanton Road
Francis DeMarsh	1	347 Big Brook Road
Kathleen Rager	2	277 Evergreen Drive
Michael Farrell	13	62 E. Main Street
Donald Rusch	8	115 Old Route 28
US Post Office	2	12 W. Main Street
Jack Hall	3	Main Street
Jon Scott	3	6 Main Street
Ruth Stephans	1	10 W. Main Street
Michael Greppo	79	Lake Shore Drive
Sean Arsenault	2	83 Sabael Road
Bennett / Yaddo	16	21 Bennett Road
Patricia Curly	1	16 E. Main Street
Joan Durger	3	6149 Main Street
Karen Bennett	1	17 Main Street
John Starling	4	Route 30
Judith Durkin	3	9 E. Main Street
Jane Osborne	1	11 E. Main Street
Pines Country Store	4	1 Main Street
Susan Eldridge	2	28 Route 30
Kelly King	3	6196 Route 30
Catherine Bennett	4	11 Pelon Road
Timothy Hesson	7	Crow Hill Road
Kim Mitchell	9	163 Crow Hill Road
Robert Benton	9	41 Crow Hill Rd.
Town of Indian Lake		
Town Dump	15	

Ski Hut Rd. / Town Garage	3	
Chain Lakes Road	5	
Saranac Lake Sites Barbara Kent	27	42 Brandy Brook Avenue
Olympic Auto & Truck Supply	85	151 Main Street
C. Wayne Newman	85	56 Woodruff Street
Thomas Delahant	85	139 Main Street
Alan Latourelle	17	7 Saranac Lane
David Maden	15	203 Neil Street
Robert Bevilacqua	1	3 Williams Street
Jon Vinograd	3	12 Hayes Lane
Bonnie Maher	18	4997 Route 3
Esther Vibert	3	221 George LaPan HWY
Pine Ridge Cemetery / Kathleen Merritt	1	0
Phil Feinburg	30	20 Broadway
Robert Martin	18	5 Trudeau Road
Tiffany Bombard	13	29 Maple Hill Road
Adirondack ARC Properties 73 School Street	11	
26 Brandy Brook Drive	35	
Harrietstown Housing Properties / Sarah Clarkin 14 Kiwassa Avenue	7	
240 Geirge LaPan Highway	3	
Lake Placid Sites Strack / Fawn Ridge Road	33	25 Fawn Ridge
Art Lussi	1	101 Olympic Drive
Edwin Weibrecht / Mirror Lake Inn	20	22 Mirror Lake Drive
Herbert Bergamini	4	26 Swiss Road
Brian Hare	10	17 Dow Road
Spruce Lodge	12	6034 Sentinel Road
Regina Leroy	4	16 Sunset Drive
Martin Perkins	16	31 West Valley Road
Jerry Strack	10	5 Dow Road
Darcy Rodgers	10	Mill Pond Drive
Carole Rodgers	10	320 Mill Pond Drive
Dennis Begor	10	15 Dow Road
Bella Doolittle	10	13 Dow Road
Eileen Black / Saranac Sour Dough	2	2126 Saranac Avenue
Rite Aid	3	2140 Saranac Avenue
Alan Pereskeaut	1	2158 Saranac Avenue
Verp / West Valley Road	3	West Valley Road
Tom Riedl	1	13 Desiree Lane
Village of Lake Placid		
Near power house substation	2	
Along river bank / power house road	12	

271 West Valley Road	15	
311 Mill Pond Drive	20	
Jersey Drive	15	
Along West Valley near bridge	8	
Cranberry Lake, Star Lake, Wanakena Sites		
Gary Gish	10	4397 Route 3
Kermit Morgan	4	159 Columbian Drive
Kevin Green	3	157 Columbian Drive
Horace Foster	6	984 Oswegatchie Trail
Thompson / 413 Lake Road	2	413 Lake Road
Thompson / 28 Griffin Ave.	2	28 Griffin Avenue
Tom Alford	31	7125 Route 3
Christine Burkard	3	98 Lone Pine Road
Kelly Smith	0	15 Pennsylvania Avenue
Cranberry Lake Fire Dept. / Daniel Foster	203	7115 Route 3
George Thein	6	212 Ranger School Road
Thomas & Susan Foy	4	194 Ranger School Road
John Rhodes	6	63 Front Street
Rudolph Sovay	2	4240 Route 3
Keith Daniel	13	11 Valley View Road
David McCoy	1	191 Lake Road
Tupper Lake Sites		
Heather Naegele	6	21 Facticeau Avenue
Leah Mclear	37	35 Facticeau Avenue
Michael Fritts	44	21 Kildare Road
Croghan Sites		
Paul Steiner	9	8615 Long Pond Road
James Martin	9	8625 Long Pond Road
Thomas Wolff	9	8645 Long Pond Road
Keeseville Sites		
Linda Kilbourne	77	51 Spring Street
Long Lake Sites		
Treated two sites	18	Route 30
Total	1,658	
Estimated canes treated (ounces * 15)	24,870	

Bioconservation Inc. (Vanselow) Knot Weed Treatments 2013

Bolton Landing (total 64 ¾ hours)

Mark Coon, 10 hours, 2552 mls Charles Peer, 10 ½ hours, 2590 mls

William Smith, 19 ½ hours 6244 mls Richard Huck, 8 hours, 3142 mls

Town Of Bolton, 4 ¾ ,1380 mls Ben & Mia Muratori, 8 hours, 2080 mls

Adam Pitchard, 4 hours ,1580 mls

Garnet Lake (total 7 hours)

Rosemary Gibson: 2 ¼ hours, 187 mls

Lisa Bateman: 4 ¼ hours ,989 mls

Trudi Puffer: ¼ hour, 3 mls

Warrensburg (total 6 hours)

Mark Stockwell, 1 hour , 812 mls

Taylor, 2 ¾ hours, 1710 mls

Grist Mill, 2 ¼ hours, 900mls

Chestertown (39 ½ hours)

Town of Chester 13 ¼ hours, 3880 mls

Edward Munsch, 1 hour, 180 mls

Francis Marura, 2 ½ hours, 452 mls

Keith Cleary, 4 hours, 922 mls

James McDermott, 18 ¾ hours, 6223 mls

North Creek (total hours 33 ¾)

Chris May, 8 ½ hours, 3140 mls

James Nester, 6 hours , 3625 mls

Ken Brzozowski, 6 hours, 2072 mls

Evelyn Tucker, 2 ½ hours, 1600 mls

John Prairie, 3 hours , 950 mls

Elizabeth Morgan, ¾ hours, 66 mls

Diana Burns, 2 hours, 558 mls

Pat Cunningham, 5 hours, 1740 mls

Horicon (total hours 9 ½)

Carol Baker, 9 ¾ hours, 3750 mls

2013 Treatments by Doug Johnson

Location	Town	Herbicide (ounces)
Town of Inlet canoe carry	Inlet	2
376 Rt 28	Inlet	1
7th Lake Rd	Inlet	0.5
374 Rt 28	Inlet	1
169 Rt 28	Inlet	1
156 Rt 28	Inlet	0.5
18 South Shore Rd	Inlet	0.5

20 South Shore Rd	Inlet	1
Loomis Rd	Inlet	0.5
Fern Park Loomis Rd	Inlet	0.2
165 Rt 28	Inlet	1
186 Rt 28	Inlet	0.5
161 Rt 28	Inlet	0.5
1 7th Lake Rd (Clayton's cottages)	Inlet	1
28 7th Lake Rd	Inlet	1
351 Rt 28	Inlet	2
12 7th Lake Rd	Inlet	0.5
599 Rt 28 (Taylor)	Inlet	2
401 Rt 28 (Willis)	Inlet	2
397 Rt 28	Inlet	1
220 Rt 28	Inlet	12
Total - 21 sites		31.7
Total estimated canes		475.5

2013 Treatment by Avery and Eric Menz

Location	Town	Zip	Herbicide (ounces)
	LAKE		
1889 STATE ROUTE 8	PLEASANT	12108	30
219 HIGGINS BAY ROAD	ARIETTA	12139	33
366 OLD PISECO ROAD	ARIETTA	12139	5
39 AIRPORT ROAD	ARIETTA	12139	23
109 GILMANTOWN ROAD	WELLS	12190	4
227 ALGONQUIN DRIVE	WELLS	12190	26
203 MOUNTAIN HOME ROAD	MOREHOUSE	13353	12
774 STATER ROUTE 8	MOREHOUSE	13353	21
141 ABRAHAM ROAD	WELLS	13353	17
260 WEST RIVER ROAD	WELLS	13353	2
	LAKE		
1889 STATE ROUTE 8	PLEASANT	12108	52
696 MALLE GROVE ROAD	HOPE	12134	78
433 OLD PISECO ROAD	ARIETTA	12139	12
669 OLD PISECO ROAD	ARIETTA	12139	30
81 WILD ROAD	ARIETTA	12139	10
137 HASKELLS ROAD	PISECO	12139	32
3183 Rt 28	OLD FORGE	13420	192
Total - 17 sites			579
Total estimated canes			8685