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LANGLADE COUNTY WATERWAYS, INC GRANT AEPP-165-08 FINAL REPORT

Accomplishments:

1. Recruited members to attend Citizen Monitoring training. Four additional lakes now have AIS monitors.
2. Advertised in Antigo Daily Journal concurrent with Langlade County Fair. Ad was for Purple Loosestrife and AIS in general. Display Booth was manned in 08 and 09.
3. Set-up and manned AIS booth adjacent to WDNR booth at County Fair in August '08 and '09.
4. Had monthly Purple Loosestrife Task Force meetings, now includes all AIS.
5. Monitored for Purple Loosestrife along roads in Langlade County.
6. Monitored for AIS on area lakes.
7. AIS brochure and infestation list were updated- included in report.
8. Coordinated with area groups and Chris Hamerla, Lumberjack AIS Coordinator to inspect lakes, and insert articles in newsletters and papers.
9. Worked with Langlade County Land Conservation office and Ben Niffenegger on including our findings in their reports and future projects.

DETAILS

1. Citizen Lakes Monitoring- Volunteers from Post Lakes, Rollingstone, Pickerel and Big Twin attended workshops.
2. Display ads created for Langlade County Fair flier asking the public for help in locating Purple Loosestrife (PL) in the county. AIS included in ads. Pictures ad included as exhibit.
3. Langlade County Fair. Attended by thousands is one of busiest fairs in the area. Many people come yearly to check on AIS spread in County and bring in samples of suspected plants.

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Displayed selection of PL lookalikes as well as sample of PL and PL with Galerucella beetles. Jarred AIS specimens were on hand as well. Distributed AIS literature, watch and wild cards.

4. Nine meetings held during the year, open to the public. Area lake leaders attend and report on “happenings” on their lakes. May '08 held PL Task Force meeting with Bill Klase as moderator. Developed strategy for ongoing PL awareness and monitoring. Subsequent Assn. Meetings included PL in all agendas. PL Task Force continues to monitor existing sites in Langlade County. See attachments.
5. New discovery in Langlade County of a significant stand on county-owned property. Location: Hwy T just east of Hwy 45. Follow-up on existing sites. Treatment of PL by board members from Rollingstone and Pickerel Lakes. Lost Lake Rd no plants; Island on Wolf River over 3000 plants, bloomed profusely but show beetle damage. Wolf River- Town Hall area bloomed profusely some beetle damage, Evergreen Creek treated by volunteers from White Lake; Town of Polar- Mink Ranch treated by Town Board.



New sighting of PL Hwy T



PL Beetle damage

6. Enterprise, Pickerel, Post and Rollingstone lakes had plant surveys done. Two lakes showed significant increases in EWM according to volunteers, (Big Twin and Enterprise). Focus of our monitoring became on small area lakes without Lake Assns. Greater Bass Lake was monitored by Lori Regni with volunteer Earl Roth, Summit Lake was monitored on two different

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occasions one by Lori Regni, the other by Chris Hamerla. The lakes in the Knights Templar Club were monitored by volunteers with good results. Comment Wolf Lake is listed with Rusty Crayfish but none were found. Needs follow-up by WDNR.

OTHER LAKES MONITORED

Otter Lake is known to have Rusty Crayfish and Purple Loosestrife. Hamerla and Rod Visser, (715-275-3572) 10751 Parkway Ln., volunteered an hour and forty-five minutes of his time and the use of his twenty-five horse pontoon boat for checking the lake. No new invasives were found however due to an algae bloom the near shore visibility was a foot or two at best. Otter is predominantly a hard bottomed lake, sand and rock, with little to no vegetation. A secchi disk reading at mid lake showed nine and a half feet of visibility. Some purple loosestrife was seen and the solitary plants were pulled and disposed.

Moccasin Lake is reported to have purple loosestrife. Hamerla, Thomas Van-Piettersom (715-275-5067) and Robert Much (715-275-3793) were both interested in spot checking their lake and both volunteered time and their pontoon boats. Much's pontoon is larger so it was used. Though the water is stained, the visibility was three to four feet near shore. A secchi disk reading at mid lake showed a visibility of nine feet. Moccasin has good plant diversity with numerous types visible. Water marigold, white water crowfoot, large-leaf pondweed, fern pondweed, ribbon leaf pondweed, and elodea were the more common plants seen. Purple loosestrife was observed with two major colonies, one at the public landing and one to the southeast of the landing (left). Pulling may be a good way of containment. Hamerla will follow up with Van-Piettersom and Much to build interest and try to get lake resident assistance. Van-Piettersom mentioned seen "lots" of the "big snails" along his beach area. After the lake check Chinese mystery snails were found in Van-Piettersom's beach area. Specimens were collected and will be given to the DNR in Rhinelander for verification.

White Lake- with Hamerla and the association president Andy Tesheneck and interested members Dan Popelka, Carol Popelka, Roger Popelka, Ann Popelka, Justin Stewart, and (Mike Doody, not pictured). Tesheneck volunteered the use of his pontoon boat for the two and a half hour tour/informative survey. The previous day's plant ID came in very handy as Hamerla was able to positively ID every plant observed. Explanation about why those plants were present and their interaction with aquatic life was also discussed. White Lake has an extreme amount of chara which floats up in bog-like mats. Hamerla will research and forward information about this. Questions were also brought up about the relationship between chara and rusty crayfish.

Mueller Lake- Hamerla found and collected Chinese and banded Mystery Snails. Mueller is not listed as having them.

Summit Lake-. Mike Dionne volunteered two hours of time and the use of his pontoon engine in, 08 and 09, (Regni & Hamerla). No invasives were observed. Aquatic plant life is very limited on Summit. Pipe wort, variable pondweed, ribbon leaf pondweed, and bullhead pond lily were the noticed plants.

Ada Lake was checked by Hamerla. Chinese and Banded Mystery Snails were found at Ada Lake.

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Deep Woods- inaccessible by boat for 2 years (water was 800-1000 ft from landing) was checked by perimeter and few docks by Regni and Alex Kazik, volunteer. No emergents or floating vegetation evident. Pipewort and Chara were noticed.

Indian Lake- Regni & Kasik- No motor lake. No AIS found, bladderwort and valecernaria evident.

Crooked Lake- Regni & Kasik- Inaccessible by boat. Rake throws revealed watershield as predominant, lily pads and valecenaria present.

Shoestring Lake- Regni & Kasik- Inaccessible. Cranberry, bullhead pondweed, fern pondweed were present.

Lower Clear- Regni & Kasik- no boat landing found.

Long Lake – Regni & Kasik- Watershield predominant

Borth Lake – Inspected by Regni & Kasik one occasion and by Paul Skawinski on the other. Skawinski reports: Borth Lake is exceptional; it has a wonderfully diverse population of rare plant species. Most notably was the crested arrowhead (*Sagittaria cristata*), *Littorella uniflora*, large purple bladderwort (*Utricularia purpurea*), dwarf watermilfoil (*Myriophyllum tenellum*), and thread-leaf pondweed (*Potamogeton bicupulatus*). Four of these five are listed as Species of Special Concern, so it is great to see them occurring in Borth Lake. No invasive species were seen on the lake. Regni reports the presence of watershield as predominant.

Neva Lake- Regni & Kasik- Many snails present including Chinese Mystery Snail- reported to Laura Herman. Valacenaria and lily pads present.



Lawrence Lake- Regni & Kasik- Many booth visitors reported this lake as a heavily used fishing lake; hence this lake is on our radar for monitoring. Watershield, Chara and snails were collected. Snails were native.

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Turtle Lake- Regni & Kasik- Inaccessible need jon boat. Very heavy cover by algae. Rake throws revealed elodea c., northern milfoil, whitewater crowfoot, Snail collected was Native Giant Pond Snail-Herman.

Demlow Lake (MaxwellSprings) monitored by Paul Skawinski. His comments: Maxwell Springs and the adjacent lakes were very hard-water lakes. The aquatic plant community was representative of that type of habitat, and included common plants like Chara, sago pondweed, white water crowfoot, and slender naiad. Some of the spring seeps had abundant golden saxifrage (*Chrysosplenium americanum*), which was neat to see.

One aquatic invasive species was observed at this site. Aquatic forget-me-not (*Myosotis scorpioides*) was common along most of the shoreline. It is a not a well-known species, since it only occurs in cold water and it only grows to 6-8" above the water.

NOTES: ALL MONTORING BY REGNI INCLUDED VISUAL AND COLLECTED BY PLANTS BY RAKE THROWS.

RE: PL infestations on Moccasin are too well established for pulling. Beetles were released 5 years ago. Recc; chemical treatment where accessible, beetle release where not. Of interest is that 4 years ago predominant plant on Moccasin Lake was purple bladderwort. PL infestation on Otter Lake is well documented, coming from wetland located on Otter Lake Rd and small pond adjacent. Post Lakes included Otter Lake in its PL project. Thousands of beetles were released and still are viable in the wetland. Pond was treated with Rodeo 6 years ago. New landowner must be contacted for permission. Adjacent property owner, Sue monitors shoreline by kayak and pulls pioneer plants.

7. New printing of AIS brochure developed for Langlade County. Also revised the Infestation insert. New AIS infestation reported by Hamerla on Rollingstone of curly-leaf pondweed. Will need to update AIS infestation insert before County Fair.
8. Chris Hamerla is a great asset to LCWA as we identified the list of lakes to be monitored and asked him for assistance by giving him contact names to call and go out with volunteers to monitor. In this way riparian owners are included in the process and take ownership and future interest in their lakes. Ideas for newsletters articles and actual articles were given to member groups to insert in newsletter. Local media given copies and dates of our meetings to invite the public.
9. Asked Langlade County to update Noxious Weed Law to include Japanese Knotweed and Spotted Knapweed. Were assured it will be done 2011. Zoning office staff, Ben Niffenegger attends our meetings and gives presentations on Shoreline protection and including Natives in Lakescape. Prior to Ben employment worked with Matt Wagner who ID'd Japanese Knotweed on Moose Lake and the Summit Lake area. City of Antigo contacted LCWA on eradicating AIS on 10th Avenue Springbrook site, includes Japanese Knotweed, Garlic Mustard, Honeysuckle.

EXHIBITS

Booth Picture

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Ads

Brochure with Insert

Articles in Newsletters

PL Observation sheets

Pertinent Meeting Notices

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