

HLR – Lauderdale Lakes 2024 Report



Grant Number: LPT81824

Grant Sponsor: Lauderdale Lakes Improvement Association

Were all projects completed as proposed?

- Yes No

If no, explain the reasons for the change: Enter explanation

Make sure you have completed the following requirements and keep them for your records, 10 years:

- A signed 10-year contract with each land owner
- Design specifications and location of each best practice

Optional: Tell us your story. We'd love to hear what worked, what didn't work, unique fish and wildlife observation, and your specific suggestions how we can improve Healthy Lakes & Rivers.

This project is adjacent to a Healthy Lakes native shoreline that was completed in 2023 and is in a WDNR-designated sensitive area. Based on lessons learned from the previous project, two rounds of herbicide were needed to control invasive species. Buckthorn sprouts were present even after the herbicide. Volunteers have also already begun weeding the property for some minor weeds, including fireweed. Continuing invasive species control, primarily through weeding, will be required, especially in the first few years after completing the project.

This project is less rocky and has a more gradual slope than the previous project, making project implementation easier. It is also located in a more shaded area, so the planting and seeding lists included plants that do well with less sun. We were pleased to discover that natives were present in the seed bank and have noticed columbine quickly growing in the area. Seeded areas are also seeing many native sprouts. All the plants are doing excellent as the rains started just after planting was completed in the last week of June.

Along with the 2023 completed grant project, half of the Cool Hill Association shoreline property has been converted to native shoreline planting. We hope to complete the remaining shoreline property with additional Healthy Lakes grants.

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Property Owner Name: Cool Hill Park Additions 1 & 2 Property Owners Association

Check the box for completed practice(s) and complete the required data deliverables

Fish Sticks: Insert total number of completed fish sticks.

Number of Fish Sticks clusters installed: Number.

Total Number of trees: Number.

Native Planting (3): A mixture of native plant plugs and seed mix was used for all of the native planting areas. 116 wildflower plants, 84 sedges, 3 trees, and 4 oz of native seed were used in each native planting area.

Bird/Butterfly

Surface Area: 1,200 square feet of native shoreline was created.

Length of lakeshore restored: 55 feet of shoreline total was restored.

Rain Garden: Insert total number of rain gardens.

Dimensions: Number.

Drainage Area Captured: Number.

Diversion (Transitional or Upland): Insert total number of diversions.

Drainage Area Diverted: Number.

Drainage Area Captured: Number. If uncertain: Choose an item.

Rock Infiltration: Insert total number of rock infiltrations.

Dimensions: Number.

Drainage Area Captured: Number.

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Helpful Photo Tips

Take photos from the same vantage point, at a similar time of day, with the sun at your back, if possible, and at the landscape scale. Avoid taking pictures at high noon. Photos provided may be used for promotional materials, Healthy Lakes & Rivers website (healthylakeswi.com), and other outreach.

Before Pictures (at least 1)



Photo 1: May 2024;
Native shoreline area 1 before
planting



Photo 2: May 2024;
Native shoreline area 2 before
planting



Photo 3: May 2024;
Native shoreline area 3 before
planting

During Pictures (optional)



Photo 4: June 2024;
Native shoreline area 1 during
planting activities



Photo 5: June 2024;
Native shoreline area 2 during
planting activities



Photo 6: June 2024;
Native shoreline area 3 during
planting activities

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After Pictures (at least 1)



Photo 7: July 2024;
Native shoreline area 1 after
planting and seeding



Photo 8: July 2024;
Native shoreline area 2 after
planting and seeding



Photo 9: July 2024;
Native shoreline area 3 after
planting and seeding

Summary of education activities and/or promotion of Healthy Lakes & Rivers initiative

The Lake Preservation Committee of the Lauderdale Lakes Improvement Association is responsible for assisting homeowners and promoting best practices of the Healthy Lakes & Rivers Initiative. The committee provides updates on project progress and information on how to determine if a property is eligible for a Healthy Lakes & Rivers grant through the LLIA newsletter (quarterly) and the annual community LLIA meeting. The committee also has an email address posted on the LLIA website and is available to the community to answer questions regarding landscaping lakefront property and for site visits to inform property owners on implementing lake-friendly landscaping on their shoreland property. The following page includes the most recent project update from the Summer 2024 edition of the LLIA newsletter.

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Healthy Lakes Project Update

Healthy Lakes grant recipients have had some great successes with the best practices. The Cool Hill Homeowners Association applied for and received grants to install a shoreline garden in 2023. Check out the picture from June 2024, just one year after the plants were installed. They are growing, flowering, and reducing runoff into the lake in this sensitive area in the springs. These native plants have deeper roots and generally take longer for the leaves and flowers to grow. We will continue to show the progress of this project as it grows through the years.



AT INSTALLATION: Initial Cool Hill project in 2023 newly seeded and with native plant plugs.



TODAY: Initial Cool Hill project area now. Photo by Cheryl Bulst.



TODAY: Close up of planting in initial project area. Photo by Sue Markus.



Second Cool Hill project area before invasive plants were removed. Photo by Justin Schultz, Prairie Wind Restoration.

They applied for and received additional grants for 2024 and have begun preparing another area for native shoreline garden installation this summer. As you can see from this picture, the area has not yet grown in, but we are excited to see how this new area is doing by the end of next summer!



Second Cool Hill project area, cleared, seeded and with native plant plugs. Photo by Justin Schultz, Prairie Wind Restoration.

Check out our new web page!

Lake Preservation now has a page on the LLA website! Check us out at <https://www.lia.org/lake-preservation>. Keep an eye out for new information related to lake preservation as we grow this area as a resource; currently, there is information on the Healthy Lakes and Rivers grant, including the 2024 Healthy Lakes webinar and the Lakeshore Resource Guide for Walworth County. This tab also includes the new Walworth County 35-Foot Zone 2024 resource.

Thank you for making Healthy Lakes & Rivers together! We appreciate your participation and feedback!



Prairie Wind
Restoration LLC

N207 Pottawatomi Trail
Milton, WI 53563
(608) 449-3485
www.prairiewind.net

Cool Hill Drive: East Planting Species List 2024

Wildflowers (17 species) (116 plants)

Aquilegia canadensis – Eastern Red Columbine (9)
Asclepias incarnata – Swamp Milkweed (4)
Blephilia hirsuta – Hairy Wood Mint (9)
Desmodium glutinosum – Pointed-Leaved Trefoil (8)
Echinacea purpurea – Purple Coneflower (6)
Heliopsis helianthoides – Early Sunflower (6)
Hydrophyllum virginianum – Virginia Waterleaf (9)
Monarda fistulosa – Wild Bergamot (6)
Phlox divaricata – Woodland Phlox (6)
Ratibida pinnata – Yellow Coneflower (7)
Scrophularia marilandica – Late Figwort (6)
Silphium terebinthinaceum – Prairie Dock (3)
Solidago caesia – Blue Stemmed Goldenrod (6)
Solidago flexicaulis – Zigzag Goldenrod (9)
Symphyotrichum cordifolium – Blue Wood Aster (8)
Veronicastrum virginicum – Culver's Root (5)
Zizia aurea – Golden Alexanders (9)

Sedges (6 species) (84 plants)

Carex brevior – Plains Oval Sedge (12)
Carex grayi – Gray's Sedge (16)
Carex lupulina – Hopp Sedge (16)
Carex muehlenbergii – (12)
Carex sparganioides – Bur Reed Sedge (16)
Carex vulpinoidea – Fox Sedge (12)

Trees & Shrubs (3 species) (3 plants)

Corylus americana – American Hazelnut (1)
Juniperus virginiana – Eastern Red Cedar (1)
Symphoricarpos orbiculatus – Coral Berry (1)

Justin T. Shultz
Owner
Prairie Wind Restoration LLC



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Cool Hill Drive: Seed List July 2024:

DESCRIPTION	QTY	UDM
Carex aquatilis - Water Sedge	0.125	oz
Carex blanda - Wood Sedge	0.125	oz
Carex bebbii - Bebb's Oval Sedge	0.5	oz
Carex brevior - Plain's Oval Sedge	0.25	oz
Carex comosa - Bristly Sedge	0.5	oz
Carex grayi - Gray's Sedge	0.5	oz
Carex hystericina - Porcupine Sedge	0.5	oz
Carex lupulina - Common Hopp Sedge	1	oz
Carex lurida - Sallow Sedge	0.25	oz
Carex muehlenbergii - Sand Bracted Sedge	0.125	oz
Carex vulpinoidea - Fox Sedge	0.25	oz
Carex sparganioides - Bur Reed Sedge	0.5	oz
Sporobolus compositus - Rough Dropseed	1	oz
Scirpus atrovirens - Dark-Green Bulrush	0.125	oz
Agalinis tenuifolia - Slender False Foxglove	0.1	oz
Aquilegia canadensis - Eastern Columbine	0.5	oz
Aralia racemosa - Spikenard	0.125	oz
Arisaema triphyllum - Jack-in-the-Pulpit	0.5	oz
Asclepias incarnata - Swamp Milkweed	0.1	oz
Coreopsis lanceolata - Lance-leaf Coreopsis	0.25	oz
Coreopsis tinctoria - Plains Coreopsis	0.125	oz
Dasistoma macrophylla - Mullein-Foxglove	0.25	oz
Dodecatheon meadia - Midland Shooting Star	0.125	oz

1/3 of seed mix applied to each grant planting area.

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Prairie Wind Restoration LLC



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<i>Echinacea purpurea</i> - Purple Coneflower	0.5	oz
<i>Eupatorium perfoliatum</i> - Boneset	0.125	oz
<i>Helenium autumnale</i> - Sneezeweed	0.125	oz
<i>Heliopsis helianthoides</i> - Early Sunflower	0.5	oz
<i>Lobelia cardinalis</i> - Cardinal Flower	0.1	oz
<i>Lobelia siphilitica</i> - Great Blue Lobelia	0.1	oz
<i>Mimulus ringens</i> - Monkeyflower	0.1	oz
<i>Mertensia virginica</i> - Virginia Bluebells	0.25	oz
<i>Monarda fistulosa</i> - Wild Bergamot (Bee Balm)	0.125	oz
<i>Napaea dioica</i> - Glade Mallow	0.125	oz
<i>Pedicularis lanceolata</i> - Marsh Betony	0.125	oz
<i>Rudbeckia hirta</i> - Black-eyed Susans	0.25	oz
<i>Rudbeckia subtomentosa</i> - Sweet Black-eyed Susans	0.25	oz
<i>Rudbeckia triloba</i> - Brown-eyed Susans	0.125	oz
<i>Scrophularia marilandica</i> - Late Figwort	0.125	oz
<i>Symphotrichum laeve</i> - Smooth Blue Aster	0.125	oz
<i>Symphotrichum oolentangiense</i> - Sky Blue Aster	0.125	oz
<i>Veronicastrum virginicum</i> - Culver's Root	0.5	oz
<i>Zizia aurea</i> - Golden Alexanders	0.5	oz

Total Weight: 12 oz

Justin T. Shultz
Owner
Prairie Wind Restoration LLC



HEALTHY LAKES AND RIVERS GRANT PROGRAM

NATIVE PLANTING CONTRACT

GRANT INFORMATION

GRANT NUMBER LPT81824	GRANT AMOUNT FOR LANDOWNER \$3,000 (for 3 native planting areas)
GRANT START AND END DATE March 15, 2024, through December 31, 2026	

LAKE ASSOCIATION INFORMATION

NAME OF AGENCY Lauderdale Lakes Improvement Association	TELEPHONE NUMBER (847) 924-8311
ADDRESS PO Box 542	CITY, STATE, ZIP CODE Elkhorn, WI 53121
NAME OF REPRESENTATIVE Richard J. Siok, LLIA President	

[Redacted Signature]

10/31/2024

Signature of Lake Association Representative

Date

LANDOWNER INFORMATION

NAME OF LANDOWNER(S) (Whether Individual, Corporation, Trust, Estate, or Partnership): CHPPOA	
TELEPHONE NUMBER [Redacted]	
MAILING ADDRESS [Redacted]	CITY, STATE, ZIP CODE [Redacted]
PROPERTY ADDRESS OR LEGAL DESCRIPTION (if different from mailing address): 	

[Redacted Signature]

2/17/24

Signature of Landowner/Representative

Date

[Redacted Name]

Print Name

The landowner agrees:

A. To install native plantings according to Healthy Lakes Program requirements, including the following:

- 350 ft² area must be contiguous and at least 10 feet wide, in any direction.
- If using plants other than those described in the Native Planting Guidance, use approved, native alternatives.
- Data to be collected: type and number of plants and dimensional area or native planting, including length of lakeshore restored.

B. To provide lake association with landscaper invoices, if applicable, or, if completed by landowner, all receipts for project costs including plants, soil amendment, herbicide, mulch, etc. and completed volunteer labor worksheets.

C. To complete operation and maintenance to maintain function of the practice for a minimum of 10 years.

- Water the plants a minimum of 1 inch per week and more during dry periods for 1-2 years.
- Become familiar with weeds and invasive species, in particular, and remove them frequently.
- The standing dead plants may be left in place through the winter for wildlife cover and food and then cut back when new spring growth emerges.
- Fencing may be necessary to prevent browsing by rabbits, deer, and other animals.
- Native plantings must remain in place according to local zoning specifications if within the vegetation protection area (i.e. buffer).
- The 350 ft² native planting must remain in place for 10 years if Healthy Lakes grant-funded.

D. To repay cost-sharing funds immediately, upon demand by the lake association, if the practices are not properly installed or maintained. Repayment of grant funds shall not be required if a practice is rendered ineffective during the required maintenance period due to circumstances beyond the control of the landowner.

E. The lake association and Wisconsin Department of Natural Resources shall have the right to inspect sites to verify practice installation, operation, and maintenance. Failure to allow inspection of sites shall result in a termination of this agreement and the requirement that all payments made by the lake association pursuant to this agreement be repaid.

1. The Lauderdale Lakes Improvement Association agrees:

A. To pay the eligible cost of practice installation (not to exceed \$1,000 per practice) once installed according to approved design and upon receipt of (1) detailed invoice and certification from the landscaper, or (2) all receipts and volunteer labor worksheets.

B. To maintain project records as required by grant agreement.

Landowners' Initials:	Date Initialed:	Lake Assn Rep. Initials:	Date Initialed:
AT	2/17/24	RJS	10/31/2024