



CHIPPEWA/LUCE/MACKINAC CONSERVATION DISTRICT

2847 ASHMUN STREET
SAULT STE. MARIE, MI 49783
906-635-1278 WWW.CLMCD.ORG



@CHIPLUCEMACKCD



CHIPLUCEMACKCD

Summer 2022

"Our Mission is to assist with land use and management through education, community projects and services."

2022 Summer Update and Fall Tree/Bulb Sale Fundraiser

District Update

It has been a very busy summer! CLMCD had 18 people on staff this summer which included our Three Shores Invasive Species Staff. It seems as though the summer has gone by so fast we haven't been able to keep up with everything which is why you may have seen an absence on social media. Hopefully we can slow down a bit and get back to posting and sharing more with you all soon!

CLMCD has multiple projects underway with a few wrapping up in 2022. A couple projects to note is the Munuscong River Watershed Nutrient Reduction project will be wrapping up in 2022 which was a \$500,000.000 grant to help reduce nutrient loading to the river at four sites. This project has been very successful and work in almost complete. Additionally, we have four projects wrapping up with the Three Shores Cisma, which includes work on surveying and treatment on the Drummond Island ORV trails, North Country Trail, surveying EUP Inland Lakes, and a project focused on early detection and rapid response of non native invasive species.

A couple of new projects we are really excited about is our Green Infrastructure and Tree Planting Project that we are currently working on in the Munuscong River Watershed. This spring, we planted over 9,000 trees, and this fall, we will be installing rain gardens, a bioswale, and trees at the Pickford Township Park in Pickford. Watch for a volunteer planting opportunity coming in September during Conservation Week. Another project of note that we are really excited about is the opening of the Shore to Shore Birding Trail, which is a self guided driving trail around the EUP. This trail includes a stop at our Piche Grasslands property which is another project we have been working on that we hope to share more details on very soon!

As always if we can be of any assistance or you have any concerns or questions please give us a call at 906-635-1278 or email at clmcd@macd.org.

Sincerely,
Mike McCarthy



EDUCATION ON THE FARM



Education on the Farm will align with the Conservation District's celebration of Conservation Week September 19th-24th, concluding with our Grand Education on the Farm Field Day on Saturday, September 24th, 2022 from 10AM - 4 PM. The hands-on field day hosted by Gordon's Produce in Sault Ste. Marie will highlight the planning, implementation, and use of season extension structures led by Steve Gordon of Gordon's Produce and Emanuel Miller of Pine Lane Produce. Dr. Adam Ingrao of Bee Wise Farms will teach producers how to scout for pests on small farms and identify best pest management techniques to reduce crop damage. Lunch will be provided as will children's activities throughout the day! RSVP to melanie.chasseur@macd.org

MAEAP Update



Throughout 2022, MAEAP Technician Melanie Chasseur focused on learning about the variety of agricultural systems and management strategies throughout the Eastern UP. She is currently focusing on helping engaged producers become Reverified in their MAEAP Accreditations, and imparting regionally specific

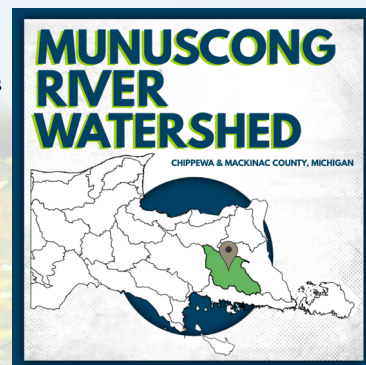
agriculture and forestry-based education for landowners. This year, Melanie completed her core MAEAP Trainings through Natural Resource Conservation Service's online training platform and attended a variety of conferences to learn about the current advancements related to our local agricultural systems in Michigan. She provided consultation and technical assistance to farmers and forest owners through the implementation of best farming and forestry management practices on their landscapes. Through field visits, the accumulation of detailed records, and planning galore; she experienced the bounty of beauty and challenges that farming in the Eastern UP boasts. This winter, MAEAP hosted a variety of Phase 1 Educational Events, including MSUE's Advanced Grazing School and Forage and Grazing Conference, Ag for Tomorrow Conference, the District's Forestry Management Workshop, and the American Bird Conservancy's Forestry Management for Birds Field Day. These experiences have broadened the capacity and knowledge of programs and resources that Melanie can impart to our landowners as they work with her to implement the best conservation practices on their land!

EUP Watersheds Update

The watersheds program is still going strong after a brief vacancy. The establishment of Best Management Practices (BMP) in the Munuscong River Watershed has continued. A site that previously had a heavy use area protection pad and cattle crossing installed received 1,400 feet of exclusion fencing along with a new well and watering facility. Another site, along the East Branch of the Munuscong River, is scheduled to receive 1,533 feet of new exclusion fencing this fall and an additional 3,700 feet of fencing next year.

An additional four sites had 5,000 trees and 1,000 shrubs planted. Site 1 had 1,000 trees planted to help reduce bank erosion and runoff into the Munuscong River. Site 2 had a combination of jack and red pine totaling 4,000 trees established. These trees will provide habitat to wildlife near the spring fed headwaters of the East Branch Munuscong River. Site 3 had 90 trees and 25 shrubs planted on a newly stabilized stream bank of a tributary to the Munuscong River. Site 4 had 410 spruce trees planted near wildlife ponds. Site 5 had 200 trees and 275 shrubs planted along a fenced off area of pasture that drains into a tributary of the Munuscong River. These plantings are part of a project funded by the United States Department of Agriculture Forest Service. Two rain gardens and a bioswale will also be installed at the Pickford Township Park as part of this project. The green infrastructure will promote the infiltration of water and filter out pollutants before it travels into the Munuscong River. In combination with all the plantings, the projects will intercept a total of 645,000 gallons of water.

The program is always looking for ways to improve our local watersheds. A three-year grant was awarded to CLMCD from EGLE to continue work in the Munuscong River Watershed. Two more grants were submitted for the Waishkey River Watershed and the Charlotte River Watershed to expand our reach.



\$ MAEAP Cost Share \$

MAEAP Cost-Share dollars are always available for producers engaged with MAEAP to support landowners as they work their way towards Verification in Farmstead, Cropping, Livestock and Forest, Wetlands, and Habitat Systems. These monies can be used for a variety of practices including soil samples, water samples, fueling pads, gutters, manure management, forestry management plans, and backflow protection. Any simple or complex project to reduce pollution and erosion.



NRCS/Engineering Update



Spring of 2022 marked the return of the annual NRCS Engineers and Technicians conference with the State Conservation Engineer, State Conservationist, and staff from Lansing as well as all Michigan NRCS engineers and partner employees. This year the conference was held in Sault Ste. Marie at the Lake Superior State University campus. The conference is an opportunity for technical staff from across the state to come together and learn about practice standard updates, changes in design processes/instructions, as well as walking through some sample projects highlighting challenges and how they were overcome. The group also toured some local projects which have been installed over the years, as well as an in-depth tour of the Soo locks and its hydro powerplant, provided by the Army Corps of Engineers.

NRCS has spent the early part of this construction season planning to implement livestock watering systems, as well as finishing up and testing watering systems completed after partial installation last fall. These watering facilities will help disperse the cattle across grazing acreage, encouraging even grazing of grasslands, as well as reducing travel distance to water. More effective grazing and rotation, coupled with minimal distance to travel to fresh clean water, will improve growth of the animals and the forage base that is sustaining them.

In addition, there are a few pond and stream crossing embankments which need repair due to erosion and muskrat damage. Elevation data, watershed size and other pertinent information is being collected and different restoration techniques are being considered. Structure failures such as these are not desirable but do help educate technical staff on points of failure and how to plan for and build more effective conservation strategies.

Finally, the largest project being constructed this year is a 5-acre aquaculture pond designed by NRCS engineers for rearing juvenile fish (called "fry") into fingerlings for collection and stocking the local lakes and rivers. This pond will help rear over a million fish which will support our local fisheries productivity, encourage tourism, and feed the people of the Eastern Upper Peninsula.

If you have land that you are trying to manage more effectively, feel free to contact Madeleine Cantu or Pat Carr with the Natural Resources Conservation Service at 906-635-9611 extension 3. Our address is 2847 Ashmun Street, Sault Ste. Marie, Michigan 49783. We will work with you to assess your current land management goals and objectives and find a program that is in alignment with both your short term and long-term goals.



2022 FALL TREE/BULB FUNDRAISER



Plugs/Containerized Tree Seedlings

Species:	25 Trees	50 Trees	100 Trees	500 Trees
Jack Pine	\$22	\$38	\$65	\$270
Red Pine	\$24	\$42	\$73	\$310
White Pine	\$22	\$38	\$65	\$270
Balsam Fir	\$23	\$40	\$67	\$280
Black Spruce	\$22	\$38	\$65	\$270
Norway Spruce	\$22	\$38	\$65	\$270
White Spruce	\$22	\$38	\$65	\$270
Tamarack	\$23	\$40	\$67	\$280

ORDER ONLINE @ www.clmcd.org

Fall Perennial Bulbs & Roots

Perennial Flower Bulbs come as single bulbs packaged in the sale quantity by CLMCD. Color mix can not be guaranteed. All bulbs are rated for USDA Hardiness Zone 3 or 4. Planting requirements vary for each species/variety. Plantings should occur in garden settings easy to manage.

Tulip Bulbs

Species	Color (s)	5 Bulbs	10 Bulbs	15 Bulbs	20 Bulbs
Mixed Triumph	Pink, purple, yellow, red	\$10	\$20	\$30	\$40
Night in Paris	Pink, white, Dark purple	\$10	\$20	\$30	\$40
Happy Day Mix	Yellow, Red	\$10	\$20	\$30	\$40
Parrot Tulip fringed Mix	Pink, red, purple, yellow	\$10	\$20	\$30	\$40

Daffodil Bulbs

Mixed Daffodil	Yellow, White, Peach	\$10	\$20	\$30	\$40
Carlton Daffodil	Yellow	\$20	\$40	\$60	\$80
Pyjama Party	White, Yellow, Orange	\$10	\$20	\$30	\$40

Dutch Iris Bulbs

Metallic Dutch Mix	Purple, Pink, Orange, Yellow	\$10	\$20	\$30	\$40
Blue Diamond Dutch	Purple, Yellow	\$10	\$20	\$30	\$40

Bearded Iris Roots

Species	Color (s)	1 Root	3 Roots	5 roots	-
Blood Moon Bearded	Yellow, Maroon	\$22	\$66	\$110	-
Bold Look Bearded	Yellow	\$20	\$60	\$100	-
Victoria Falls Bearded	Light blue	\$20	\$60	\$100	-
Sunny Glitter Bearded	Yellow, Blue	\$22	\$66	\$110	-

Lily Bulbs

Oriental Mix	Pink, White, yellow	\$10	\$20	\$30	\$40
Stargazer Lily	Pink, White	\$30	\$60	\$90	\$120
Asiatic lily Mix	Red, Orange, Yellow, pink	\$15	\$30	\$45	\$60

Allium Bulbs

Blue Allium	Blue	\$5	\$10	\$15	\$20
Bubble Blend Mix	Purple, Pink, white	\$12	\$24	\$36	\$48
Giganteum	Purple	\$55	\$110	-	-

Peony Roots

Species	Color (s)	1 Root	3 Roots	5 Roots	-
Joker	Light purple	\$19	\$54	\$80	-
Karl Rosenfield	Fuchsia	\$19	\$54	\$80	-
Eden's Perfume	Light Pink	\$19	\$54	\$80	-

Can't order online? Want to pay by Check?
Need a paper order form?

Contact CLMCD for a paper form!
Phone: 906-635-1278 - Email: clmcd@macd.org

Online Orders are preferred!
Order at: www.clmcd.org

ORDERS DUE
Friday, September 23rd, 2022

ORDER PICK UP
Sault Ste. Marie ONLY

Thursday, October 6th, 2022
2:00 PM - 6:00 PM
Friday, October 7th, 2022
8:00 AM—12:00 PM (Noon)
2847 Ashmun Street Sault Ste. Marie, 49783



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CLMCD Conservation Week
Sept. 19 - 24, 2022
Fall Tree Sale Fundraiser Info. Enclosed

Three Shores CISMA Update

As the snow receded from the Eastern U.P., the Three Shores CISMA geared up this summer to help prevent the spread of invasive species in Chippewa, Luce, and Mackinac counties. Operating under 11 grants, the Three Shores CISMA employed 12 individual team members for 2022, including a full time CISMA coordinator Michael Hindy, a limited-term full time technician, and 10 seasonal team members all ready to hit the ground running this field season.

Since the beginning of the new field season, the CISMA team has been able to treat over 170 acres of invasive species infestation, surveyed over 15,000 acres for early detection and rapid response to new invasive species infestations, provided outreach at 15 local events, hosted 5 aquatic invasive species outreach events at Cedarville Public Harbor, Brevort Lake, and Munuscong State Forest boat launches, produced 6 media publications, and continued to build their social media presence on Facebook and Instagram. Amongst the survey and treatment efforts, the Three Shores CISMA team has noticed a rapid increase in the number and expanse of wild parsnip and European frogbit infestations.

Wild parsnip is an herbaceous monocarpic perennial that can grow 4-5 feet tall. While it can survive in a broad range of habitats, it does best in moist soils of open fields or areas that have been recently disturbed. In the first few years of its life, the plant produces a rosette of compound pinnate leaves with saw-tooth margins. In it's final year of life, the plant produces a grooved, hairy, stalk and a yellow umbel shaped flower. Eventually in late July through August, the plant will produce seeds that remain viable in the soil for up to four years.

The spread of this plant is especially concerning, as it's sap has dangerous compounds that cause photo-dermatitis, or painful blistering on the skin when exposed to sunlight. If you notice this plant on your property, there are several steps you can take to help prevent it's spread. As a safety precaution, please remember to always cover as much of your skin as possible when working with this plant to prevent any exposure to toxic chemicals. Young rosettes can be effectively sprayed with one of several different herbicides (triclopyr, glyphosate, or 2, 4-D) or hand-pulled, making sure the entire root is removed from the ground. Once a plant develops a stem and flowers, the plant can be mowed, flower heads clipped and removed from the plant, or it can be sprayed with an effective herbicide (glyphosate recommended). Once the plant has developed seeds, the best option is to remove the seed heads by clipping them and bagging them, making sure to not let any enter the soil. Mowing or spraying after the plant has developed seeds will not provide control, and may help propagate the distribution of the wild parsnip infestation. Additional revegetation using native plants in areas where wild parsnip is controlled can help further prevent the spread of an infestation. Using this course of action over 3 to 5 or more years may provide effective control on your property.

On the aquatic side of invasive species problems in the area, the Three Shores CISMA team has noticed several new populations of European frogbit in the Les Cheneaux region. This free-floating aquatic invasive species resembles tiny lily-pads and creates dense mats in slow moving waters, causing a problem for both boaters and wildlife. One simple step that can prevent the further spread of this species is to follow three steps every time you enter and exit the water: clean, drain, and dry. By cleaning, draining, and drying all of your equipment (boat, trailer, kayaks, waders, etc.), you're also preventing the spread of other invasive species that can survive for several days on your equipment.

With your help, we can help keep the Eastern U.P. as a wilderness oasis for all to explore and enjoy. Thank you for your continued support of the Three Shores CISMA!

