



Company Background

Founded in 1998 - MNL, a women owned business, is a leading provider of comprehensive ecological restoration services and premium native seed/plants. Our four Minnesota operational facilities include our headquarters in Otsego, and seed production farms in Foley, Glyndon, and Lonsdale. MNL operates under six main divisions Professional Services, Construction Services, Vegetation Management Services, Grazing Services, Red Rock Fire, and MNL Seed & Plant Production. Between these divisions, we draw on decades of experience to solve the ecological challenges of our diverse base of clientele. Whether the goal of your project is water quality improvement, creating new wildlife habitat, soil stabilization, or improving your landscapes aesthetics, we have the capabilities to design, implement and manage various ecological processes as part of your project.

With over 130 dedicated professionals on our team, and through the completion of more than 1,000 ecological service projects each year, MNL is continually developing innovative solutions tailored for wetlands, prairies, streambanks, rain gardens and shorelines. Our hands-on expertise of site construction, installation services and vegetation management best practices ensure successful restoration outcomes across an array of ecological systems. MNL clients encompass a full range of private and public sector organizations including city and county governments, watershed and conservation districts, state agencies, environmentally conscious energy developers and private landowners. In addition to our work throughout Minnesota, MNL provides various products and services to clientele throughout the U.S.

Services & Project Types

- Professional Services
 - Wetland services, vegetation management planning and monitoring, stormwater management planning and permitting, workshops and speaking engagements, research opportunities, stormwater and erosion BMP design, custom seed mix design, seed procurement and brokerage, ecological restoration landscaping and design
 - Design/Build Project Management
- Construction Services
 - Conservation seeding & plant installation, rain garden & infiltration basin construction, lakeshores & streambanks, bioengineering (riprap, toe wood, tree revetment, brush fascines and mattresses, live staking), wetland creation
- Vegetation Management Services
 - Mowing, spot cutting, aquatic and terrestrial invasive species control, tree and brush removal, plant community enhancement
- Grazing Services
 - Conservation grazing, solar grazing, fire fuel reduction, prairie management
- Red Rock Fire Services
 - Prescribed burns, wildland wildfire suppression, emergency management
- Native Seed & Plants



Key Personnel

Joe Schaffer – Vice President & Founder

Education: Iowa State Univ., BS in Wildlife Biology

As founder of MNL, Joe has extensive experience involving all aspects of the ecological restoration industry. He has been involved with hundreds of restoration projects all over the upper Midwest and has vast experience in consultation, design, project management, installation, and land management.

Dan Tix, PhD, CERP – Senior Restoration Ecologist

Education: Univ. of MN, Ph.D. in Plant Biology; Grinnell College, BA in General Science (Biology); Environmental Studies Concentration; School for Field Studies, Center for Wildlife Management Studies, Kenya

Certifications: Certified Ecological Restoration Practitioner (CERP): Society for Ecological Restoration

Dan is a restoration ecologist with over 20 years of experience working on restoration projects in Minnesota and in the upper Midwest. He prepares Vegetation Management Plans (VMP), completes site assessments, and monitors vegetation establishment. Dan also completes botanical surveys, wetland delineations, plans for wetland mitigation, and will assist with permitting and environmental review. He has spent his career providing technical assistance for projects affecting wetlands, vegetation, and other natural resources and building respect with regulators and clients.

Jake Janski – Senior Ecologist

Education: Univ. of MN, BS in Biology & Minors in Chemistry and Environmental Studies

Certifications: ISA Certified Arborist; MDA Certified Pesticide Applicators License (Categories A, F, & J); Advanced Wildland Firefighter Training-Ignition Operations (S-234); Wetland Delineation; Stormwater Pollution Protection Plan Inspections

Jake is a Senior Ecologist at MNL. He applies his experiences from the past 20+ years in the industry towards the successful restoration and management of our region's plant communities, solar sites, and natural resources. Beyond overseeing MNL's spectrum of ecological services, Jake has also written and implemented numerous studies, restoration strategies, and vegetation management plans throughout his career. He enjoys sharing these experiences and perspectives with audiences of his peers, industry groups, and others who share MNL's mission of Healing the Earth.

Ashley Petel – Restoration Ecologist

Education: Univ. of MN, Master of Professional Studies in Horticulture, Bachelor of Design in Architecture

Certifications: Professional GIS Certificate; MDA Certified Pesticide Applicators License (Categories A & E)

Ashley is dedicated to supporting ecological restoration efforts in Minnesota, from prairies and forests to wetlands and streams. She obtained her master's degree in Horticulture with a focus on ecological restoration. She has been involved in creating a restoration site assessment tool, conducting plant surveys, producing restoration plans, and utilizing GIS and remote sensing technologies. Ashley has spent time in the field installing, maintaining, and monitoring restoration projects from seeding, planting, and



watering to invasive species control, prescribed burning, and seed collection. Prior to MNL, Ashley spent 7 years working at environmental nonprofits building and managing programs to support park and trail stewardship and youth outdoor engagement.

Josh Hanson - Ecologist, Senior Estimator

Education: Hamline University, BA Environmental Studies

Josh has been providing innovative solutions and value engineering since 2001. He has significant experience in design, consultation, and project management and is committed to continually educating and discovering new or improved methods to pursue MNL's mission to Heal the Earth.

Blaine Keller – Site Lead & Ecological Project Estimator

Education: Univ. of MN, BS Environmental and Natural Resource Management

Certifications/Additional Training: MN Herbicide Applicators License; ND Herbicide Applicators License; DOT Health Card; S-130 Fire Fighter Training; S-190 Fire Behavior Training; Shoreline Contractor Training – Becker & Ottertail Counties, MN

Blaine has led Bluestem Farm since 2005 when the farm was under different ownership. In 2021, MNL expanded its reach and purchased Bluestem Farm to help provide services and seed production in the Red River Valley. Upon joining our team, Blaine has proven himself to be a vital professional in the ecological restoration industry. Not only does he provide supervisory guidance to Bluestem Farm personnel and keep operations running in a safe and spirited fashion, but his primary responsibility is to develop, coordinate, and implement restoration plans. Throughout his career, Blaine has played a pivotal role in restoring over 10,000 acres of land in Minnesota and the Dakotas. Blaine has assisted with the preparation of management plans and assists in decision making for implementation.

Jeff Renier – Construction Division Manager

Education: Univ. of MN, BS Natural Resources Mgmt.

Certifications/Additional Training: Wildland Firefighter Training (S-130/190)

Since joining MNL in 2008, Jeff's leadership traits and customer-centric commitment sets the standard our MNL partners come to expect. From large and complex projects to small, he ensures his teams are well-versed in the deliverables and expectations of each project. Jeff believes in clear, constant communication with both staff and customers to adapt to daily changes of industry projects. This emphasis on communication leads to division resources being fully utilized in the best way possible.

Charlie Sawdey – Ecologist, Project Manager/Estimator

Education: Univ. of MN, MS Water Resources Science; St. John's University, BS Political Science, Environmental Policy

Certifications/Additional Training: Certified MN Wetland Professional #1362; Applied Geomorphology & Ecology (MNDNR)

As an ecologist and hydrologist with 11 years of experience, Charlie is a passionate advocate for the protection and restoration of endemic environments. He currently manages projects that specifically relate to prairie and aquatic ecosystem rehabilitation and enhancement. Further, he has extensive



professional experience in both the private and public sectors, offering our clients a tailored service and project management approach to natural resource related issues. Charlie currently serves on the Wright County SWCD Water Task Force. His direct style of communication and steadfast desire to exceed our clients' expectations are fueled by MNL's Mission to Heal the Earth.

Chelsea Bratvold - Project Manager/Estimator

Education: St. Cloud State Univ., BA Psychology & Minor in Business Mgmt.

Certifications/Additional Training: MDA Certified Pesticide Applicators License (Categories A & J); Erosion & Stormwater Construction Site Manager Certification

Chelsea brings almost a decade of project management and coordination experience to MNL's construction division. She works closely with our site superintendents to ensure we deliver quality results quickly and efficiently. Chelsea has a passion for working with people and helping to fulfill MNL's mission to Heal the Earth.

Wes Olmschenk – Director of Products

Education: MBA from Drake University; St. John's Univ., BA in Economics minor in Management, focus in Environmental Studies

Certifications/Additional Training: MN DNR Seed Mix Design

Wes has over 10 years' experience in native seed design including wetland mitigation banks, solar sites, pollinator focus areas, emergent wetlands, riverbank/riparian areas, upland prairies and more. He has an expansive network of native seed producers and collectors leading to advanced knowledge of the market.

Chris Hoye - Manager of Vegetation Management

Education: St. John's Univ., BA Environmental Studies

Certifications/Additional Training: Adv. Wildland Firefighter Training-Ignition Operations (S-234)

Chris has been a trusted resource in the restoration industry for over 16 years and has supervised MNL's Vegetation Management Division for more than ten years. He has extensive experience managing an array of upper Midwest native plant communities. His years of field experience conducting selective invasive species control on a wide range of landscapes and ecologically based land management planning and practices provides the necessary understanding to oversee and provide solutions for all ecological projects.

Jodee Nohner – Grazing Program Coordinator

Education: Univ. of ND, BA in Accounting & Business Administration

Jodee has 20+ years of animal husbandry experience specializing in small ruminants. She has spent over a decade marketing sheep and cattle throughout the US. Jodee has been working for MNL since 2023 in the grazing department working with local farmers to graze solar sites throughout the Upper Midwest.

Truett Olson – Solar Client Manager

Education: Liberty University, MBA; Liberty University, BBA, Marketing: Sales Management & Professional Selling

Truett leverages his expertise and industry insight to effectively connect clients with the appropriate



contacts within MNL divisions, identifying strategic opportunities to support customers in the solar industry. He cultivates strong, meaningful relationships with solar clients, ensuring their needs are met with tailored solutions and exceptional service.

Nate Bauerly, Dan Ranweiler, Eric Stay, Aaron Widmark – Project Superintendents

Certifications: MDA Certified Pesticide Applicators License (Categories A & J)

Nate, Dan (Bud), Eric, and Aaron are well-trained heavy equipment operators with over sixty years' combined experience. They have all performed a wide array of operational tasks on critical and sensitive restoration projects at MNL.

Technical Field Staff

Certifications: pesticide and/or wildland burning certificates available upon request

Our staff of highly experienced field technicians offer a wide range of technical skills unique to the industry.

Project Examples (partial list)

Photos and additional examples available upon request

Project Name: **Buffalo River**

Location: Barnesville, MN

Owner: Buffalo Red River Watershed District

Completion Date: 2023

Cost: \$788,000

Contact: Houston Engineering; Bennett Uhler; 701-499-9444; buhler@houstoneng.com

Description: Stream re-meander, floodplain corridor creation, tree and brush removal, along with seeding and erosion control. The seeding and straw mulching occurred on 192 acres. MNL was able to self-perform all aspects of the project.

Project Name: **Trout Brook, Phase 3**

Location: Afton, MN

Owner: South Washington Watershed District

Completion Date: 2023

Cost: \$888,000

Contact: John Loomis; 651-714-3714; john.loomis@woodburymn.gov

Description: Mobilization, clearing and grubbing, earthwork and grading, salvage and installation of large woody debris, bank stabilization, furnish and install rock riffles, furnish and install reinforced concrete box culvert structures, native seeding, tree and shrub planting, and erosion control.

Project Name: **Otsego County Park Streambank Restoration**



Location: Otsego, MN

Owner: Wright County Parks & Recreation

Completion Date: 2021

Cost: \$109,000

Contact: Michael Candler; 763-614-2920; Michael.candler@usda.gov

Description: Site preparation, tree removal, toe wood installation, vegetative restoration and establishment period management of various habitat types totaling nearly 500 linear feet along the Mississippi River.

Project Name: **Pine River Fish Passage**

Location: Brainerd, MN

Owner: Crow Wing Soil & Water Conservation District

Completion Date: 2020

Cost: \$935,000

Contact: Adam Maleski; 218-828-6197; adam@cswgcd.org

Description: Mobilization, clearing and grubbing, rip rap class III, cross weir boulders, footer boulders, channel rock, sediment control logs, seeding, erosion control blanket.

Project Name: **Hoot Lake**

Location: Fergus Falls, MN

Owner: Otter Tail Power Company

Completion Date: 2022

Cost: \$1,219,000

Contact: Landwehr Construction; Tyler Adamscheck; 320-248-6799; t.adamscheck@landwehrconstruction.com

Description: Installation of native seed and straw mulch stabilization on a 600-acre clean energy site. The site included the installation of erosion control blanket along with landscape planting of 600 B&B trees and 1500 containerized shrubs.

Project Name: **Weston Solutions**

Location: Undisclosed

Owner: Private Client

Completion Date: 2023

Cost: \$178,000

Contact: N/A

Description: Site preparation, native grass and wildflower seeding, and maintenance activities on 435 acres of commercial farmland. The project included multiple mixes and both drilling and broadcast seed



installation. The site is currently being maintained through site mowing and spot weed treatment.

Project Name: **Wild Springs**

Location: New Underwood, SD

Owner: Wild Springs Solar, LLC

Completion Date:

Cost: \$1,413,000

Contact: Ames Construction; Garrett Kato; 605-646-5423; garrettkato@amesco.com

Description: Installation of native seed and straw mulch as erosion control on 700 acres on a clean energy project.

Project Name: **Wescott Library Prairie Conversion**

Location: Eagan, MN

Owner: City of Eagan

Completion Date: 2022

Cost: \$10,600

Contact: Adam Schnaible; 651-675-5300; aschnaible@cityofeagan.com

Description: 1.2-acre turf conversion to pollinator habitat. Herbicide application was completed before no-till seeding of MNL pollinator native seed mix installation.

Project Name: **Virgil Voigt**

Location: Sibley County, MN

Owner: Natural Resources Conservation Service

Completion Date: 2021

Cost: \$24,200

Contact: NRCS; Daniel Jarosz; 320-241-4907; Daniel.jarosz@usda.gov

Description: Forestry mowing and mulching 47 acres of undesirable trees on a WRP easement.

Project Name: **Lebanon Hills Regional Park**

Location: Eagan, MN

Owner: Great River Greening, Dakota County

Completion Date: 2022

Cost: \$348,000

Contact: Great River Greening; Rebecca Tucker; 715-212-5125; rtucker@greatrivergreening.org; Dakota County; Meghan Manhattan; 612-599-3821; Meghan.Manhattan@CO.DAKOTA.MN.US



Description: A multi-unit project, with a combined total acreage of 128 acres. The project included forestry mowing and cut stump treatment. Selective tree removal of woody species greater than four inches dbh. Foliar spraying of any invasive species re-sprouts. Work needed to be completed with minimal impact to trail users and prevention of woody debris on ski trails. Broadcast seeding was completed based on exposed soil and tree canopy density.

Project Name: **Manitou River Culverts**

Location: Lake County, MN

Owner: Trout Unlimited

Completion Date: 2023

Cost: \$363,000

Contact: Beaver River Consulting; Keith Anderson; 218-626-7450; keith@beaverriverconsulting.com

Description: Replacement of three undersized culverts with crossings designed for bankfull width crossings with natural substrate placed in the bottom of the culverts. Roadway was raised in two locations to allow for larger structures to be installed. Seeding and mulching was completed of exposed areas, along with restoring staging areas to their original condition.

Project Name: **Big Elk Lake Park Prairie Restoration**

Location: Clear Lake, MN

Owner: Sherburne County

Completion Date: 2023

Cost: \$48,000

Contact: Gina Hugo; 763-765-3308; gina.hugo@co.sherburne.mn.us

Description: No-till drill seed approximately 52 acres of agricultural fields to be restored to native prairie. Custom seed mix was supplied by MNL which required specific seed origins.

Project Name: **Lower Rice Creek Stabilization**

Location: Fridley, MN

Owner: Rice Creek Watershed District

Completion Date: 2023

Cost: \$24,000

Contact: EOR; Mike Majeski, 651-203-6033; mmajeski@eorinc.com

Description: Our stream restoration crew worked with Emmons and Olivier Resources through a design-build process as an immediate response to the failure, as it was progressing rapidly. The process included rock stabilization, and repair of soil lifts that were already present at the site.



Project Name: **Plug Planting**

Location: North Branch, MN

Owner: Unknown

Completion Date: 2023

Cost: \$45,000

Contact: Dirt Works; Steve Strandlund; 612-685-5498; steve@dwcompanies.com

Description: Installation of 12,000 2-inch native perennial plugs. Planting was for 5 newly constructed basins with shredded hardwood mulch in place prior to planting.

Project Name: **Little Falls Area Woody Removal**

Location: Little Falls, MN

Owner: State of MN

Completion Date: 2023

Cost: \$67,000

Contact: Hunter Welinski; 320-232-1068; hunter.welinski@state.mn.us

Description: Woody removal using herbicide and mechanical cutting at two separate sites for a total of 139.5 combined acres. Removal included dense areas with trees up to 15-20 feet in height at 6-8 inches diameter, and areas of scattered material and very small in diameter.

Project Name: **Gram Park**

Location: Sherburne County, MN

Owner: Sherburne Soil & Water Conservation District

Completion Date: 2022

Cost: \$14,000

Contact: Franny Gerde; 763-220-3434; fgerde@sherburneswcd.org

Description: Prairie restoration of approximately 24 acres of open meadow. Site preparation included prescribed burning and goat grazing. Native seed was installed using a no-till seed drill, which included a mix of native forbs and grasses. The site was grazed again after seed installation to help control any volunteer/unwanted species.

Project Name: **Lake George Shoreline Stabilizations**

Location: Anoka County, MN

Owner: Anoka Conservation District

Completion Date: 2022



Cost: \$77,000

Contact: Jamie Schurbon; 763-434-2030; Jamie.schurbon@anokaswcd.org

Description: Six non-consecutive lakeshore stabilizations. Property one – stabilize approximately 105 LF of shoreline with riprap and a vegetated buffer. Property two - stabilize approximately 50 LF of shoreline with a coir log and vegetated buffer. Property three - stabilize approximately 25 LF of shoreline with riprap and install approximately 1400 SF of vegetated buffer. Property four – stabilize approximately 70 LF of shoreline using minor regrading, erosion control blanket and native vegetation. Property five – stabilize approximately 65 LF of shoreline with a coir log and vegetated buffer. Property six - stabilize approximately 55 LF of shoreline using riprap and a vegetated buffer.

Project Name: **Lake Waverly**

Location: Waverly, MN

Owner: City of Waverly

Completion Date: 2019

Cost: \$30,000

Contact: Jim Woitalla; 763-658-4217

Description: Treatment of unwanted woody vegetation, riprap installation, and native seed, plugs and shrub plantings with straw mulch erosion control. Riprap was installed over ice, and plantings were completed in the Spring.

Project Name: **Judicial Ditch 36 Repair**

Location: Redwood County, MN

Owner: Redwood County

Completion Date: 2022

Cost: \$153,000

Contact: Stantec; Tom Berry; 952-334-6144; Thomas.berry@stantec.com

Description: Repair of 60,316 lineal feet of ditch slope and placement of 44,808 tons of riprap.

Project Name: **Judicial Ditch 33 Repair**

Location: Redwood County, MN

Owner: Redwood County

Completion Date: 2022

Cost: \$499,000

Contact: Stantec; Tom Berry; 952-334-6144; Thomas.berry@stantec.com

Description: Repair of 14,740 lineal feet of ditch slope and placement of 7,961 tons of riprap.



Project Name: **Rain Gardens**

Location: Anoka County, MN

Owner: Anoka Conservation District

Completion Date: 2022

Cost: \$21,000

Contact: Jamie Schurbon; 763-434-2030; Jamie.schurbon@anokaswcd.org

Description: Construction of one curb cut biofiltration basin with 607 SF ponding area. Major components included 58 CY of excavation, disposal and grading; one curb cut inlet; one Rain Guardian pretreatment chamber; 214 SF of fieldstone retaining wall; and 257 plants.

Project Name: **Boulevard Curb Cut Rain Gardens**

Location: Roseville & St. Paul, MN

Owner: Capitol Region Watershed District

Completion Date: 2021

Cost: \$194,944

Contact: Nate Zwonitzer; 651-644-8888; nzwonitzer@capitolregionwd.org

Description: Construction of 22 curb cut rain gardens. Major components included 562 CY excavation, disposal and grading; 247 CY soil amendments; concrete cutting; forebay installation; mulching and planting over 2500 native perennials.

Project Name: **Smith Coffee Rain Gardens**

Location: Eden Prairie, MN

Owner: City of Eden Prairie

Completion Date: 2023

Cost: \$51,610

Contact: Stantec; Sarah Harding; 952-334-4838; sarah.harding@stantec.com

Description: Repair and restoration of two rain gardens. Major components included debris, weeds, and vegetation removal; erosion and sedimentation control BMPs; aggregate landing pad compaction and installation; 1,342 new perennial and shrub plantings, mulching/erosion control blanket and edging.

Project Name: **Whitefield WMA & Louwagie Tract**

Location: Willmar, MN

Owner: Ducks Unlimited

Completion Date: 2023

Cost: \$196,000

Contact: Jordan Lillemon; 218-731-1985; jlillemon@ducks.org



Description: Shallow wetland restoration including tile reroute/removal (8,125 lineal feet), embankment construction/constructed topography-sra's (22,423 cubic yards), erosion control devices and 23 acres seeding & mulching.

Project Name: **Henry X WMA Wetland Restoration**

Location: Benson, MN

Owner: Ducks Unlimited

Completion Date: 2023

Cost: \$90,000

Contact: Jordan Lillemon; 218-731-1985; jlillemon@ducks.org

Description: Wetland restoration including excavation (5,969 cubic yards), tile search/removal (1,125 lineal feet), tree removal, wetland scrapes, riprap installation (171 tons) and 10 acres of seeding & mulching.

Project Name: **Bone Lake Wetland Enhancement**

Location: Scandia, MN

Owner: Comfort Lake Forest Lake Watershed District

Completion Date: 2021

Cost: \$73,290

Contact: EOR; Ryan Fleming; 651-770-8448; rfleming@eorinc.com

Description: Wetland restoration which included install of erosion & sediment control devices, excavation of wetland pool (2,760 cubic yards), haul off and dispose of excavated materials, install of riprap weir, and site restoration & seeding.

Project Name: **Eagle Point Lake Oak Savanna Restoration Phase 2**

Location: Washington County, MN

Owner: Washington County

Completion Date: 2021

Cost: \$88,000

Contact: Dan Macswain; 651-472-2585; dan.macswain@co.washington.mn.us

Description: Conducted mechanical & hand removal of common buckthorn, Tartarian honeysuckle, and amur maple over 47 acres of Oak Savanna at Lake Elmo Park Reserve in winter 2020-2021. Multiple removal techniques were used including forestry mowing, cutting with brush saws and chainsaws, and piling and burning. All stumps were cut to a height of less than 6". All cut material was piled and burned on site. Cut stumps were chemically treated and re-sprouts were foliar sprayed the following growing season.

Project Name: **Lake Edith Management Area**



Location: Afton, MN

Owner: Belwin Nature Conservancy

Completion Date: 2022

Cost: \$162,000

Contact: Justin Sykora; 651-425-8070; justin.sykora@belwin.org

Description: Conducted forestry mowing, basal treating, hand cutting (via brush saws and chainsaw) and foliar treatment of common buckthorn, glossy buckthorn, Siberian elm, in a 130-acre section of the Lake Edith Management Area at Belwin Conservancy.

Project Name: **Lake Byllesby Regional Park Natural Areas Restoration Phase II**

Location: Dakota County, MN

Owner: Dakota County

Completion Date: Current

Cost: \$719,000

Contact: Christian Klatt; 952-891-7947; christian.klatt@co.dakota.mn.us

Description: Utilizing forestry mowing, hand cutting, cut, pile and burning, remove all exotic trees and shrubs, and some removal of native shrubs as directed per unit. Remove exotic herbaceous vegetation such as garlic mustard and dame's rocket from all unit. Unwanted native trees will also be removed from many of the units including red cedar, boxelder, ash, walnut, cottonwood, and others. Extreme caution will be needed on steep slopes and handwork will only be allowed on many of the slopes.

Project Name: **Rustad Lake WPA Tree Removal**

Location: Clay County, MN

Owner: U.S. Fish & Wildlife Service

Completion Date: 2023

Cost: \$79,750

Contact: Tyler Zimmerman; 218-849-7719; tzimmerman@pheasantsforever.org

Description: Woody vegetation removal including flush cutting and forestry mowing on 323 acres. All trees (except oaks) larger than 4" DBH were flush cut within 2" of ground level. After flush cutting, each cut stump was treated within 1 hour with 20% Garlon4 Ultra and 2% Milestone in basal oil and blue dye. All trees/brush (except oaks) smaller than 4" DBH were mechanically mowed. All subsequent resprouts were mechanically mowed the following growing season.

Project Name: **Rushfeldt WPA Tree Removal**

Location: Clay County, MN

Owner: U.S. Fish & Wildlife Service

Completion Date: 2023

Cost: \$77,250



Contact: Tyler Zimmerman; 218-849-7719; tzimmerman@pheasantsforever.org

Description: Woody vegetation removal including flush cutting and forestry mowing on 256 acres. All trees (except oaks) larger than 4" DBH were flush cut within 2" of ground level. After flush cutting, each cut stump was treated within 1 hour with 20% Garlon4 Ultra and 2% Milestone in basal oil and blue dye. All trees/brush (except oaks) smaller than 4" DBH were mechanically mowed. All subsequent resprouts were mechanically mowed the following growing season.

Project Name: **Minnehaha Creek Watershed District**

Location: Numerous sites in Hennepin County, Carver County, MN

Owner: Minnehaha Creek Watershed District

Completion Date: 2009-current

Cost: \$10,000-\$70,000 annually

Contact: Josh Wolf; 952-641-4588; jwolf@minnehahacreek.org

Description: Conducted maintenance of multiple sites throughout the District in a wide array of settings from expansive rural wetlands to high profile shorelines and stormwater BMP's. Work included prescribed burning, mowing (flail and rotary), weed/brush removal, herbicide applications (backpack, broadcast and aerial), tree/shrub plantings, herbaceous plant installation, erosion control, prairie/wetland/woodland seeding, as well as ongoing correspondences and annual reporting.

Project Name: **City of Cottage Grove**

Location: Numerous sites in Washington County, MN

Owner: City of Cottage Grove

Completion Date: 2012-current

Cost: \$6,000-\$15,000 annually

Contact: Zac Dockter; 651-458-2808; zdockter@cottagegrovemn.gov

Description: Conducted maintenance in multiple parks and natural areas throughout the city. Work included site monitoring, herbicide applications, spot mowing, broadcast seeding, and prescribed burning.

Project Name: **Hennepin County Library Green Roofs**

Location: Various sites in Hennepin County, MN

Owner: Hennepin County

Completion Date: 2015-current

Cost: \$10,000-\$30,000 annually

Contact: Rick Hoenisch; 612-543-0057; richard.hoenisch@hennepin.us

Description: Conducted ongoing maintenance of multiple green roof plantings throughout the County library system. Work includes annual spring cutting and removal of debris/material, ongoing monitoring and weed control, soil testing with amendments as needed, and submission of written reports upon the



completion of each activity. Work requires high levels of coordination and various irregular safety protocols.

Project Name: **City of St. Cloud**

Location: Numerous sites in Stearns County, MN

Owner: City of St. Cloud

Completion Date: 2012-current

Cost: \$4,000-\$6,000 annually

Contact: Noah Czech; 320-255-7226

Description: Conducted maintenance in natural areas throughout the city. Work included site monitoring and reporting, herbicide applications, hand weeding, spot weed whipping, sediment removal, tractor mowing, and green roof maintenance.

Project Name: **City of Savage**

Location: Various sites in Scott County, MN

Owner: City of Savage

Completion Date: 2020-current

Cost: \$49,000

Contact: Jesse Carlson; 952-882-2686; jcarlson@cityofsavage.com

Description: Conducted herbaceous invasive species control via hand weeding, backpack spraying, broadcast spraying, UTV spraying, spot weed whipping and tractor mowing. Provided monitoring and reporting at all locations.

Project Name: **Hamden Slough NWR**

Location: Detroit Lakes, MN

Owner: Ducks Unlimited

Completion Date: 2024

Cost: \$175,000

Contact: Blake Mitchell; 218-731-9263; bmitchell@ducks.org

Description: Project includes sediment removal (3,457 CY), cattail removal (10.1 AC), cattail mowing (2.5 AC), tile investigation (3,200 LF), tile removal (100 LF), ditch plug (701 CY), ditch fill (17,875 CY), tree removal and seeding upland disturbed areas.

Project Name: **Mielke Tract, Wetland Restoration & Tree Removal**

Location: Biscay, MN

Owner: Pheasants Forever

Completion Date: 2024

Cost: \$122,000



Contact: Jason Nordmann; 320-292-5120; jason_nordmann@fws.gov

Description: Project included tile checks (1,689 LF), tile removal (4,920 LF), 34 wetland scrapes (18,790 CY), 9 berms (5,971 CY), tile and intake installation, cut spillway, riprap, welded wire, road approach re-slope, mulch and cover crop, and tree removal (7.9 AC)

Project Name: **Vatten Wetland Bank**

Location: Cokato, MN

Owner: Stockholm Farms LLC

Completion Date: 2024

Cost:

Contact: Dan Elemes; 651-338-7986; dan.elemes@mooreengineeringinc.com

Description: Project includes excavation of basins, construction of ditch blocks by sloped wetland and primary ditch block on main ditch, construct outlet pipe, embankment, and riprap, fill/grade/flatten areas of main and lateral ditches that are below the proposed normal water level, construct northern perimeter ditch/embankment and install pipe to outlet ditch, tile breaks, sheet pile structure, fine adjustments to riprap and grading.

Project Name: **Tischer Creek**

Location: Duluth, MN

Owner: South St. Louis Soil & Water Conservation District

Completion Date: 2020 stream, 2023 maintenance

Cost: \$195,000

Contact: Matias Valero; 218-723-4865; matiasvalero@tsa3.org

Description: Stream restoration of approximately 650-foot-long portion within Hartley Park – channel shaping cut, channel shaping fill, toewood, riffle material and placement, removal of existing culverts and timber bridge installation, native planting & seeding, three years vegetation maintenance.

Project Name: **Elm Creek Phase IV**

Location: Champlin, MN

Owner: City of Champlin

Completion Date: 2022

Contact: WSB & Associates; Amy Anderson; 612-209-8602; aanderson@wsbeng.com

Cost: \$523,988

Description: stream restoration including clearing & grubbing, common excavation, riprap class III, granular filter, sediment control log, erosion control blankets, native seed, erosion control, plant management, toe wood & live stakes.

Project Name: **Cartwright Wetland Restoration**



Location: Princeton, MN

Owner: Isanti Soil & Water Conservation District

Completion Date: 2024

Cost: \$94,000

Contact: Todd Kulaf; 763-689-3271; tkulaf@isantiswcd.org

Description: Project included 7,210 CY of wetland cutting, rock inlet and outlet, and basin native revegetation.

Project Name: **Upper Sheyenne River Watershed Pilot Project**

Location: Pekin, ND

Owner: Upper Sheyenne River Joint Water Resource Board

Completion Date: 2024

Cost: \$199,000

Contact: Barr Engineering; Peter Hinck; 952-832-2600; phinck@barr.com

Description: Upper Sheyenne Site 5 consisted of approximately 400 LF of bank grading, sediment haul off and spreading, temporary and permanent erosion control procedures, native seeding and nearly 1200 LF of cattle fencing installation. Work also included live stake cuttings and nearly 3000 emergent native plants.

Habitat Management Plans

Minnesota Land Trust (MLT) at Various sites throughout Minnesota; since 2022

MNL ecologists have completed 9 habitat management plans on over 900 acres of land protected by MLT. The plans are for properties that are being placed into conservation easements. MNL prepared plans with summary evaluations of each habitat type, recommendations for long-term habitat manipulation or management and summaries of proposed restoration activities.

Contact: Kathy Varble (kvarble@mnland.org) and Chad Kingstrom (ckingstrom@mnland.org)

White Oaks Savanna Development

White Oaks Savanna in Washington County Minnesota; since 2022

MNL ecologists collaborated with an environmentally conscious residential housing developer to restore over 100 acres of savanna and prairie habitats into the community's open spaces. The developer enlisted our professional services division to help with site assessments to plan for invasive species control, seeding preparation, seeding, and site management. MNL assisted with landowner communications and completed vegetation assessments of stormwater features for watershed district review.

Contacts: Dave Washburn (david@whiteoakssavanna.com) and Bob Appert (bappert@whiteoakssavanna.com)



Aurora Solar Portfolio

Enel Green Power at Various sites throughout Minnesota; since 2018

MNL professional ecologists partnered with the owner and developer to plan for the installation and long-term management of pollinator-friendly vegetation on 900 acres of solar sites in central and southern Minnesota. Seed mixes were designed specifically for the project, seed was installed, and the acreage is continually being managed through regular site evaluations, mowing, sheep grazing, and herbicide applications to meet the state standards.

Contact: Eric Bjorklund (Eric.Bjorklund@Enel.com)

SNA Adaptive Management Plans

Minnesota DNR at various sites throughout Minnesota; since 2023

MNL ecologists completed assessments and management plans for Scientific and Natural Areas (SNA). Each SNA has existing native plant communities and rare species. The management plans were developed in collaboration with the SNA program to provide a framework for future management and to help direct funding and public understanding of each site.

Contact: Brad Bolduan (brad.bolduan@state.mn.us)

North Fork Crow River Wetland Mitigation Bank

Burns and McDonnell at a site near Litchfield, Minnesota; since 2022

MNL manages the restoration of the wetland bank for Burns and McDonnell. MNL completes annual vegetation monitoring using transect based assessments that are processed and provided to the client for incorporation into monitoring reports. MNL crews complete all restoration activities on the site, as directed by our ecologists based on the monitoring data and site-wide vegetation assessments.

Contact: Tyler Beemer (tbeemer@burnsmcd.com)

Emmet and Kingman Wetland Mitigation Sites

Southern Minnesota Beet Sugar Cooperative (SMBSC); 2 sites near Renville, Minnesota since 2023

MNL manages the restoration of two wetland mitigation sites for SMBSC. MNL completes annual hydrology and vegetation monitoring and site management planning. We coordinate the credit release and performance of these sites with the local government unit (LGU) that administers the Wetland Conservation Act. We are preparing an annual monitoring report for submittal to the LGU to request approval of the sites. MNL crews complete all restoration activities on the site, as directed by our ecologists based on the monitoring data and site-wide vegetation assessments.

Contact: Miranda LeBrun (Miranda.Lebrun@smbc.com)

Purgatory Park, Hilloway Park, and Cullen Preserve

City of Minnetonka Parks; 3 sites in Minnetonka, Minnesota since 2023



MNL ecologists oversee site management activities at these three sites within the city, their priority sites for ecological restoration and natural resource management. Ecologists visit each site multiple times each year to review conditions, success of prior activities, and to determine timing and implementation steps. MNL is also helping to plan and permit a stream restoration project within Purgatory Park.

Contact: Matt Kumka (mkumka@minnetonkamn.gov)

Project Name: **Wilmes Lake Alum Facility – Native Site Restoration**

Location: Woodbury, MN

Owner: South Washington Watershed District

Completion Date: 2024

Cost: \$77,251

Contact: Kyle Axtell; 651-714-3718; kyle.axtell@woodburymn.gov

Description: 2.5 acres of native seeding with erosion control blanket and planting of 105 native trees. Herbicide application was completed before no-till seeding of MNL native seed and tree installation. On-going maintenance contract in place.

Project Name: **Rogers Library Sustainability Improvements**

Location: Rogers, MN

Owner: Hennepin County

Completion Date: 2024

Cost: \$65,000

Contact: Rod Vesterfelt; 612-814-3706; rod.vesterfelt@hennepin.us

Description: Rain garden construction, installation of over 200SY of native vegetative mat, and 176 native plants. Contract included on-going watering and maintenance.

Project Name: **Lake Howard Emergent NVM Planting**

Location: Howard Lake, MN

Owner: Howard Lake Association and MNDNR

Completion Date: 2023

Cost: \$22,230

Contact: Cutis Forst, 320-543-3736, cforst3736@gmail.com

Description: Installation of 750 linear feet of emergent native vegetative mat along Lake Howard shoreline.

Project Name: **Hennepin County Medical Examiner's Office Prairie Installation**

Location: Minnetonka, MN

Owner: Cedar Ridge Landscaping

Completion 2021



Contact: Nate Borchart; 952-454-2161

Description: Seeding, planting and native vegetative mat installation.

Project Name: **Buffalo Lake Shoreline Improvements**

Location: Buffalo, MN

Owner: City of Buffalo

Completion Date: 2024

Cost: \$22,989

Contact: Adam Farrell; 612-209-5238; adam.farrell@ci.buffalo.mn.us

Description: 10,000SF of native seed installation and planting of approximately 1,800 native plugs.



Equipment

The following list of MNL's inventory of specialty machinery, heavy duty equipment, vehicles, trailers, power equipment, and implements demonstrates the commitment and investment MNL has made in pursuing our mission to Heal the Earth.

Specialty Machinery:

- 2 Marooka Track Truck
- 1 Pisten Bully Snow Cat
- 2 Marsh Master

Heavy Duty Equipment:

- 24 Ag. Tractors
- QuadTrac 550 Tractor
- 1 Bulldozer
- 6 Excavators
- 3 Forklifts
- 12 Skid Loaders
- 2 Front End Loaders
- 9 ATV's
- 4 OHV's
- 12 UTV's

Survey Equipment:

- Topcon HiPer VR for field survey and machine control
- Trimble R10-2 for field survey

Vehicles:

- 7 Dual Rear Wheels up to F550
- 10 Lg. Multiple Rear Axle Trucks
- 9 Lg. Single Rear Axle Trucks
- 33 Single Rear Wheel

Implements/Attachments:

- 10 Excavating
- 13 Forestry
- 14 Misc.
- 21 Mowers
- 17 Seed Drills
- 12 Snow Equipment
- 10 Straw
- 22 Tanks/Pumps/Sprayers
- 25 Tillage
- Power Equipment:
- 27 Chainsaws
- 2 Cut-Off Saw
- 29 Weed Whips
- 6 Planting Augers
- 15 Leaf Blowers
- 7 Generators
- 9 Roto Tiller
- 1 Mower
- 1 Sod Cutter

Trailers:

- 7 Bumper Pull
- 11 Enclosed Trailers
- 11 Fifth Wheel or Gooseneck
- 10 Open Trailers
- 6 Specific Use