



Briggs Lake Chain Association SERP I and II

[Shoreland Education Restoration Project]

Resources and References

Briggs Lake Chain Association

Kenzie Phelps, Project Coordinator, Julia Lake	743-2663	kenziephelps@gmail.com
Wayne Smith, Healthy Lakes co-chair, Big Elk Lake	743-3458	wsmith311@hotmail.com
Dan Merchant, BLCA Pres, Briggs Lake	743-4747	smerchant@frontiernet.net
Barb Tucker, Big Elk Lake	743-5878	queenonelk@yahoo.com
Kelly Kinney, Big Elk Lake	743-7114	brucekelly@midco.net

Sherburne County Zoning

Assnt Zoning Admn: Lynn Waytashek	763-765-4450	lynn.waytashek@co.sherburne.mn.us
Environmental Spec: Lynn Waytashek	763-765-4450	lynn.waytashek@co.sherburne.mn.us
Zoning Specialist: Mark Schneider	800-438-0578	marc.schneider@co.sherburne.mn.us
Sher Co Building Official: Joe St Dennis	800-438-0578	joestdennis@co.sherburne.mn.us

Sherburne Soil and Water Conservation [SWCD]

Water Resources Spec: Tiffany Dterman	763-241-1170 ext132	tdeterman@sherburneswcd.org
District Technician: Gina Hugo	763-241-1170 ext132	gina.hugo@mn.nacnet.net

DNR

Aquatic Plant Mgr: Audrey Kruchinski	320-616-2496	audreykuchinski@dnr.state.mn.us
Fisheries: Paul Diedrich	763-675-3301	
Hydrologist: Roger Stradl	320-255-4279 ext 233	

Websites

Sherburne County	zoning@co.sherburne.mn.us
SWCD	sherburneswcd.org
Mn DNR	dnr.state.mn.us
BLCA	briggslakechainassociation.com

Suggestions and Resources

Controlling rain water	Berms: They don't have to be huge just high ground that stops rain runoff, lets it pool and soak into the ground preventing it from washing nutrients into the lake. Gutter along lakeside roof draining into rain barrel or permeable drainage area would keep roof runoff from washing nutrients into the lake
Grass that grows well under pine trees	Care Free Grass Seed and comes in plain white 25 lbs. bags It is a perennial, grows under pine trees and is sold at Bjerga's Feed Store, 915 Front Street, Brainerd, Mn 56401. Phone is 218 829 4104
Bio logs	Brock White Company sells them in different diameters
Plants	Gina Hugo, Resource Conservationist, Sherburne SWCD Phone: 763-241-1170 ext. 3
Grants	SERP and BLCA Mini Grants Kenzie Phelps kenziephelps@gmail.com
Websites	Restore Your Shore at the MN DNR website (http://www.dnr.state.mn.us) This interactive tool includes Plant Guides and Native Plant Encyclopedia, Shoreland Restoration Guides, Watershed Assessment Tool, Score Your Shore, etc.
University Extension Service	The University of Minnesota's Master Gardeners may be another resource that would be able to provide you with planting suggestions and landscaping ideas. You may contact the University Extension Service at 218-927-7321
Grass	Gerten's, Inver Grove Heights south of Saint Paul, sells seed that likes sandy soil and. They have a website and will ship your order. The staff is very knowledgeable and helpful. A super garden store and gift shop worth a visit. PHONE: 1-866-GERTENS 651-450-1501
DNR Permits	DNR Waters Area Hydrologist(s) for Sherburne County: Roger Stradal, DNR Eco/Waters 940 Industrial Dr. So. # 103, Sauk Rapids, MN 56379, 320-223-7850, Roger.Stradal@state.mn.us
Muskrats	Trapper from Big Lake is Jeff Moenger 763-439-3302

Native Plant Nurseries

This list of nurseries does not imply any endorsement or recommendation

Codes: R-Retail, W-Wholesale, M-Mail Order;
T-Trees, S-Shrubs, FE-Ferns, FO-Forbs, G-Grasses, W-Wetland Plants

<p>Dragonfly Gardens (R; T, S, FE, FO, G, W) 491 State Highway 46 P.O. Box 192 Amery, WI 54001 715-268-4666</p> <p>www.dragonflygardens.net</p> <p>catalog available</p>	<p>Out Back Nursery (R; T, S, FE, FO, G, W) 15280 110th Street South Hastings, MN 55033 651-438-2771</p> <p>www.outbacknursery.com</p> <p>catalog available</p>
<p>Hild & Associates (W; FE, FO, G, W) 326 Glover Road South River Falls, WI 54022 715-426-5131</p> <p>www.hildnatives.com</p> <p>catalog available</p>	<p>Prairie Moon Nursery (R; T, S, FE, FO, G, W) Route 3 Box 163 Winona, MN 55987-9515 507-452-1362</p> <p>www.prairiemoonnursery.com</p> <p>catalog available</p>
<p>Landscape Alternatives (R, W; FE, FO, G, W) 25316 St. Croix Trail Shafer, MN 55074 651-257-4460</p> <p>www.landscapealternatives.com</p> <p>catalog available</p>	<p>Prairie Restorations (R; T, S, FE, FO, G, W) Box 327 Princeton, MN 55371 763-389-4342</p> <p>www.prairieresto.com</p> <p>catalog available</p>
<p>North American Prairies (R, W; T, S, FO, G, W) 11754 Jarvis Avenue Annandale, MN 55302 320-274-5316</p> <p>www.northamericanprairies.com</p> <p>catalog available</p>	<p>Hayland Woods (R; T, S, FE, FO, G) 6549 Keystone Road Milaca, MN 56353 320-983-6354</p> <p>catalog available</p>
<p>Natural Shore Technologies (R, W; FO, G, W) 6275 Pagenkopf Road Maple Plain, MN 55359 612-703-7581</p> <p>www.NaturalShore.com</p> <p>catalog available</p>	<p>Minnesota Native Landscapes, Inc. 8740 77th St NE Otsego, MN 55362</p> <p>Ph 763-295-0010 Fax 763-295-0025</p> <p>www.nativelandscapes.com</p>

Suppliers: Landscaping and Erosion Control Products

<p><u>Brock White Company</u> 580 41st Ave. North St. Cloud, MN 56303 320-251-5060</p>	<p><u>Brock White Company</u> 12785 Elk Lake Road Elk River, MN 55330 763-441-2004</p>
<p><u>Natural Shore Technologies</u> 6275 Pagenkopf Road Maple Plain, MN 55359 612-703-7581</p> <p>www.NaturalShore.com catalog available</p>	

What Permits and Requirements are there in the Shoreland District?

Bluffs

- A topographic feature such as a hill, cliff, or embankment having the following characteristics:
 1. Part or all of the feature is located in a shoreland area;
 2. The slope rises at least 25 ft or more above the OHWL (Ordinary High Water Level).
 3. The grade of the slope from the toe of the bluff to a point 25 ft or more above the OHWL averages 30% or greater;
 4. The slope must drain toward the waterbody.
- The structural setback from the top of a bluff is 30 ft.
- Structures, except stairways & landings, shall not be placed within the bluff impact zone.

Construction Site Permit

- No person shall construct, alter, or move any building or part thereof without first securing a construction site permit. The application shall include a plan showing lot dimensions and the size and location of the building and accessory buildings erected. The permit expires after one (1) year if no construction has begun. "Construction" shall include the installation of footings, slab, foundation, posts, walls or other portions of a building.

Decks

- All additions or expansions to the outside dimensions of an existing nonconforming structure must meet the setback, height, and other requirements of the ordinance. Any deviation from the requirements must be authorized by a variance.
- Deck additions may be allowed without a variance to a structure not meeting the required setback from the ordinary high water level if all of the following criteria and standards are met:
 1. Structure existed on the date setbacks were established;
 2. A thorough evaluation of the property and structure reveals no reasonable location for a deck meeting or exceeding the existing ordinary high water level setback of the structure;
 3. The deck encroachment toward the OHWL does not exceed 15% of the existing setback of the structure from the OHWL or does not encroach closer than 30 ft, whichever, is more restrictive;
 4. The deck is constructed primarily of wood, and is not roofed or screened.
- A building permit is required for a deck. A Shoreland Alteration Permit may be required.

Established Building Line

- When more than one setback applies to a site, structures and facilities must be located to meet all setbacks.
- Where structures exist *on the adjoining lots on both sides of a proposed building site*, structure setbacks may be altered administrative exemption to conform to the adjoining setbacks from the OHWL, provided the proposed building site is not located in a shore impact zone or in a bluff impact zone.
- If there are not dwellings on both sides of a proposed property directly adjacent to the property then the setbacks listed in the Sherburne County Shoreland Ordinance apply.

Grading and Filling Permits

- Grading & filling standards must be incorporated into the issuance of any permit, variance, or conditional use permit for construction of structures, accessory structures, subdivisions, sewage treatment systems and driveways.
- A grading & filling permit is required for (a) movement of more than 10 cubic yards of material on steep slopes or within shore or bluff impact zones; (b)

movement of more than 50 cubic yards of material outside of steep slopes, shore & bluff impact zones.

- Alterations must be designed and constructed in a manner that ensures only the smallest amount of bare ground is exposed for the shortest time possible;
- Mulches or similar materials must be used, where necessary, for temporary bare soil coverage, and a permanent vegetation cover must be established as soon as possible;
- Methods to minimize soil erosion and to trap sediments before they reach any surface water feature must be used;
- Altered areas must be stabilized to acceptable erosion control standards consistent with field office technical guides.
- Fill or excavated material must not be placed in a manner that creates an unstable slope;
- Plans to place fill or excavated material on steep slopes must be reviewed by qualified professionals for continued slope stability & must not create finished slopes of 30% or greater.
- Fill or excavated material must not be placed in bluff impact zones.
- Any alterations below the OHWL of public waters must obtain permit from MN DNR.
- Alterations of topography must only be allowed if they are accessory to permitted or conditional uses and do not adversely affect adjacent or nearby properties.
- Placement of natural riprap, including associated grading of the shoreline and placement of a filter blanket, is permitted (*Shoreland Alteration Permit required*) if the finished slope does not exceed 3 ft horizontal to 1 ft vertical, the landward extent of the riprap is within 10 ft of the OHWL, and the height of the riprap above the OHWL does not exceed 3 ft.

Non-Conforming Lots

- A parcel of record shall be a legally buildable parcel provided all the following are met:
 1. Each lot dimension in question measures at least 50% of the applicable requirement for lot width as listed in the Ordinance.
 2. The use is permitted in the Zoning District.
 3. The lot has been in separate ownership from abutting lands at all times since it became substandard.
 4. Lot was created compliant with the official controls in effect at the time.
 5. Sewage treatment and setback standards are met.
 6. A variance from setback requirements may be required before a permit is issued for a lot.

Non-Conforming Structures

- All additions or expansions to the outside dimensions of an existing nonconforming structure must meet the setback, height and other requirements of the Shoreland Ordinance.
- Any deviation from these requirements must be authorized by a variance pursuant to the Ordinance.

Roads, Driveways and Parking Areas

- Visual Screening. Public & private roads & parking areas must be designed to take advantage of natural vegetation & topography to achieve maximum screening from view from public waters.
- Setbacks. Roads, driveways, & parking areas **must meet** structure setbacks & must not be placed within bluff & shore impact zones, when other reasonable & feasible placement alternatives exist. If no alternatives exist, they may be placed within these areas by variance, & must be designed to minimize adverse impacts.

Sand Blankets

- Placement of sand above the OHWL requires a Shoreland Alteration Permit.
- Maximum of 50 ft width or one-half the lot width, whichever is less. 6 inch depth maximum

Septic System Certifications

- A compliance inspection for existing sewage treatment systems must be conducted prior to the issuance of any building permit, conditional use permit or granting or denying of any variance for property located in the

Shoreland District, if the existing septic system is older than 10 years. If the system is non-compliant it must be upgraded prior to any building permits being issued.

- A shoreland alteration permit is required for any vegetation alteration.

Setback and Structure Height Information

LAKE	Max Structure Height	Onsite Sewage Treatment System & Structure Setback	Bluff Set-back
General Development	25'	75'	30'
Recreational Development	25'	100'	30'
Natural Environment	25'	150'	30'
RIVER			
St. Francis	25'	150'	30'
Elk	25'	100'	30'
Snake	25'	200'	30'

Water Oriented Accessory Structures

- Each lot may have one water-oriented accessory structure.
- The structure may not exceed 10 ft in height, exclusive of safety rails, & cannot occupy an area greater than 400 sq ft. Detached decks must not exceed 8 ft above grade.
- The setback from the OHWL must be at least 10 ft.
- The structure must be treated to reduce visibility as viewed from public waters and adjacent shorelands by vegetation, topography, increased setbacks or color, assuming summer, leaf-on conditions.
- The roof may be used as a deck with safety rails, but must not be enclosed or used as a storage area.
- The structure or facility must not be designed or used for human habitation and must not contain water supply or sewage treatment facilities.
- A building permit may be required. A Shoreland Alteration Permit will be required.

LAKE FACTS:

Natural Environment Lakes usually have less than 150 total acres, less than 60 acres per mile of shoreline, & less than three dwellings per mile of shoreline. They may have some winter kill of fish; may have shallow, swampy shoreline; are less than 15 ft deep.

Natural Environment Lakes in County include: West & East Hunter Lakes, Cantlin Lake, Lake Diann, Round Lake, & Lake Helene.

Recreational Development Lakes usually have between 60 & 225 acres of water per mile of shoreline, between 3 & 25 dwellings per mile of shoreline, and are more than 15 ft deep.

Recreational Development Lakes in Sherburne County include: Sandy Lake, Birch Lake, Ann Lake, Lake Julia, Briggs Lake, Rush Lake, Pickerel Lake, Long Lake, & Blacks Lake.

General Development Lakes usually have more than 225 acres of water per mile of shoreline & 25 dwellings per mile of shoreline, and are more than 15 ft deep.

General Development Lakes in Sherburne County include: Fremont Lake, Little Elk Lake (Baldwin Township), Big Elk Lake (Clear Lake Township) & Eagle Lake.

Stairway, Lifts and Landings

- May not exceed 4 ft in width & landings not exceed 32 sq. ft.
- Canopies or roofs are not allowed on stairways, lifts or landings.
- May be either constructed above the ground on posts or pilings, or placed into the ground, provided they are designed and built in a manner that ensures control of soil erosion
- Must be located in the most visually inconspicuous portions of lots, as viewed from the surface of the public water assuming summer, leaf-on conditions, whenever practical.
- A Shoreland Alteration Permit will be required.

Stormwater Management

- When possible, existing natural drainageways, wetlands, & vegetated soil surfaces must be used to convey, store, filter & retain stormwater runoff before discharge to public waters.
- Development must be planned & conducted in a manner that will minimize the extent of disturbed areas, runoff velocities, erosion potential, and reduce and delay runoff volumes.
- Disturbed areas must be stabilized & protected as soon as possible & facilities or methods used to retain sediment on the site.
- When development density, topographic features and soil and vegetation conditions are not sufficient to adequately handle stormwater runoff using natural features and vegetation, various types of constructed facilities such as diversions, settling basins, skimming devices, dikes, waterways, and ponds may be used.
- Impervious surface coverage of lots must not exceed 25% of the lot area (Includes gravel driveways whether paved or not)

Structure Height

- All structures in residential districts, except churches & non-residential agricultural structures, must not exceed 25 ft.

Vegetation Alterations

- Intensive vegetation clearing within the shore and bluff impact zones and on steep slopes is not allowed.
- In shore and bluff impact zones and on steep slopes, limited clearing of trees and shrubs and cutting, pruning, and trimming of trees is allowed to provide a view to the water from the principal dwelling site and to accommodate the placement of stairways and landings, picnic areas, access paths, livestock watering areas, beach and watercraft access areas, and permitted water-oriented accessory structures or facilities, provided that:
 1. The screening of structures, vehicles, or other facilities as viewed from the water, assuming summer, leaf-on conditions, is not substantially reduced;
 2. Along rivers, existing shading of water surfaces is preserved
 3. The above provisions are not applicable to the removal of trees, limbs, or branches that are dead, diseased, or pose safety hazards.

Sherburne County Planning & Zoning

Department **13880 Highway**
10
Elk River, MN 55330
(763)241-2900 or 1-800-438-0578
Fax (763-241-2910)

* This is only a partial summary of the Sherburne County Ordinance, a copy of the entire Ordinance is available at www.co.sherburne.mn.us