

SHORELAND ALTERATIONS

FACT SHEET

CASS COUNTY ENVIRONMENTAL SERVICES

Shoreland Land located within the following distances from Public waters: 1,320 feet from the ordinary high water level of a lake, river, pond or flowage, the Mississippi River corridor as designated in the Mississippi Headwaters Management Plan, and the landward extent of a floodplain designated by ordinance on a river or stream whichever is greater. The limits of shorelands may be reduced whenever the waters involved are bounded by topographic divides which extend landward from the waters for lesser distances and when approved by the commissioner.

1106.4 Shoreland Alterations

- A. Annual Ice Ridges--Ice ridges created within the last year by ice action may be regraded to their original shoreline contour with a shoreland alteration permit. Any such regrading shall meet the following standards:
 - 1. There shall be no topsoil or vegetative matter deposited in the lake.
 - 2. Work shall be completed by July 1st after the damage takes place.
 - 3. Depositing any sand below the OHW is subject to DNR public waters permit rules.
- B. Historic Ice Ridges--On those ice ridges with well established vegetative cover, alterations for lake access shall require a site preparation or shoreland alteration permit and comply with the following standards:
 - 1. One alteration site is allowed per conforming residential lot, single nonconforming lot of record, or per group of contiguous nonconforming lots in the same ownership.
 - 2. On residential lots, the maximum bottom width shall be 14 feet with 2:1 side slopes at each end.
 - 3. On water-oriented commercial lots, the maximum bottom width shall be 25 feet with 2:1 side slopes at each end.
 - 4. Berms of not less than 12 inches above grade level or diversions not less than 12 inches below grade level shall be placed landward of all beach sand blankets to prevent erosion from upland runoff.
 - 5. An erosion and sediment control plan must be approved by the Department for the project area before any construction begins.
 - 6. All disturbed material shall be graded landward or removed from the site.

7. Any alteration below the ordinary high water level may require approval from the Department of Natural Resources and/or U.S. Army Corps of Engineers.
- C. Shorelines Without an Ice Ridge-- On shorelines without ice ridges, alterations shall require a shoreland alteration permit and comply with the following standards:
1. One alteration site is allowed per conforming residential lot per single nonconforming lot of record, or per group of contiguous nonconforming lots in the same ownership.
 2. On residential lots, the maximum bottom width shall be 14 feet.
 3. On water-oriented commercial lots, the maximum bottom width shall be 25 feet.
 4. An erosion and sediment control plan must be approved by the Department for the project area before any construction begins.
 5. All disturbed material shall be graded landward or removed from the site.
 6. Any alteration below the ordinary high water level requires approval from the Department of Natural Resources and/or U.S. Army Corps of Engineers.
- D. Rock Riprap—Placement of natural rock riprap, including associated grading of the shoreline and placement of a filter blanket, requires a shoreland alteration permit and shall be done in accordance with Department of Natural Resources-Division of Waters and US Army Corps of Engineers standards. Rock riprap will only be allowed in situations where active erosion problems exist. Permits for rock riprap shall also include a requirement to establish vegetated buffers with a minimum width of 10 feet parallel to the shoreline for the entire width of the lot, except for lake or river access areas. Plans for such buffers shall be approved in advance by ESD.

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