

STREAMBANK SITE ASSESSMENT CHECKLIST
Streambank and Shoreland Protection Code 580

General Data			
Field Staff:	Date:	Legal Description:	GPS Coordinates:
Property Owner Information			
Name(s):	Address:	Telephone:	Trust: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Tax ID#:
Water Body Information			
Name:	Type:	Watershed Code:	Size of Parcel:

Floodplain / Riparian Habitat / Physical and Biological Features / Stream Designation

Simon and Hupp Stage of Evolution (See Companion Document 7): _____

Rosgen Classification (See Companion Document 5, Stream Classification Using the Rosgen System, and Job Sheet 811, Stream Channel Classification): _____

BEPI Score: _____ (<http://dnr.wi.gov/org/water/fhp/waterway/permits/BankErosionPotentialIndexWorksheet.pdf>)

Area of special natural resource interest: Yes No

Section 303d listed water body: Yes No (<http://dnr.wi.gov/org/water/wm/wqs/303d/303d.html>)

ORW or ERW: Yes No (<http://dnr.wi.gov/org/water/wm/wqs/orwerw/list1006.pdf>)

Trout Stream Class: I II III Unclassified Cold water Warm water
<http://www.dnr.wi.gov/fish/species/trout/streammaps.html>

Stream order: _____

Evidence of fish spawning? Yes No

Invertebrate use? Yes No

Describe other habitat features: _____

Fish habitat within the stream: _____

Emergent plants (plants rooted in bottom sediments and emerging from surface):

Density: Low Medium High
 Diversity: Low (1-5 species) Medium (5-15 species) High (>15 species)

Floating-leaved plants (rooted plants with floating leaves):

Density: Low Medium High
 Diversity: Low (1-5 species) Medium (5-15 species) High (>15 species)

Submergent plants (rooted plants that remain below the water surface):

Density: Low Medium High
 Diversity: Low (1-5 species) Medium (5-15 species) High (>15 species)

Does landowner remove aquatic plants? Yes No

Any other management activity? Yes No Describe: _____

Type of pier: Solid Cantilevered Permanent Removable
Wharf (parallel or perpendicular to shoreline) Other

Describe riparian area in further detail: _____

Stream Features

Water surface profile at time of site visit: Upstream Downstream Site location

OHWM / Bankfull elevation: _____ feet.

Any evidence of water level fluctuations with runoff (flashy streams; water control structures; etc.)? _____

Calculate the capacity and velocity of the stream: _____ cfs _____ fps.

Adjacent tributaries or flowing water: Yes No

Coarse wood habitat/downed trees/large branches (>6" diameter): Absent Rare
Common Abundant

Choose one: Pools and riffles **OR** Pools and Steps or cascades

Describe spacing and frequency: _____

Abrupt grade changes: Yes No Describe: _____

Stream Access

Width: _____ linear feet.

Path design: Straight Meandering Flat Steep

Path substrate: Lawn turf Wood chips Gravel Pavement Stairway
Other-describe: _____

Access function: Stream View Wildlife Viewing Boat/Dock Access Swimming Fishing

Extent of use: Low Medium High Access view corridor: Present Absent

Erosion Evidence

Evidence: None Bare earth Furrows/slumping/gullies Deposits of silt/sand
Sedimentation in stream Upland rills Headcutting

Rate severity: Low Medium High

Describe the bank recession rate: _____

Probable cause(s) of instability: Water level fluctuation Ice action/ice dams
Groundwater seeps Overland flow Other _____

Presence of existing erosion control practices: Present Absent

Describe types (i.e., retaining walls; landscape timbers; etc.): _____

Riparian Buffer Area Vegetation

COMPANION DOCUMENT 580-3

Sun exposure: N NE E SE S SW W NW

Buffer dimensions: _____ width feet. _____ length feet.

Buffer slope: Flat (< 10 %) Moderate (10-20%) Steep (> 20%)

Vegetation layers: Trees Shrubs Ground cover

Plant diversity:

Aquatics/littoral zone: Low (1-5 species) Medium (5-15 species) High (>15 species)

Wet-edge plants: Low (1-5 species) Medium (5-15 species) High (>15 species)

Upland Plants: Low (1-5 species) Medium (5-15 species) High (>15 species)

Maximum distance wet feet plants extend from shore: _____ linear feet.

Uniform: Yes No

Can the buffer zone be increased? Yes No Why? _____

Enhance or change existing vegetation by: Plant native vegetation Leave as no-mow area Other

List common species present: _____

Aquatic habitat: poor fair good excellent

Upland habitat: poor fair good excellent

Invasive species present: Yes No Describe: _____

Describe accessibility for construction equipment: _____

Streambed and Bank Composition

Soil series: _____

Complete a Unified Soil Classification System (USCS) profile log using Job Sheet 814 or 817 found on the Wisconsin Natural Resource Conservation Service (NRCS) web page.

Visually determine if the stream bed is: Aggrading Degrading Stable

(See Investigations, WI Supplement to EFH Chapter 16,)

Bed substrate type(≈percentage): ____% Boulders ____% Cobble ____% Gravel ____% Bedrock

(See Job Sheet 810) ____% Sand ____% Silt ____% Organic matter

Presence of stream sediment matter: Yes No Describe: Fine sand Silt Organic matter

Existing Structures

Dam Bridge Culvert Other Describe size and proximity to project site for each: _____

Structures present (swimraft; boathouse; boat hoist; PWC lift; seawall; riprap; bioengineering; benches; etc.):

Year-round house Seasonal house Shed Garage Old foundations Other

Access to stream: Paved drive Gravel drive Unimproved two-track None

Foot path access: Yes No Describe: _____

Closest distance from buildings to waters edge: _____ linear feet

COMPANION DOCUMENT 580-3

What percentage of the upland portion of the site is covered by impervious surfaces?

- a. Total impervious surface area..... = _____ square feet
- b. Total upland area = _____ square feet
- c. Impervious surface area fraction..... = _____ (= a / b)
- d. Percent impervious surface area = _____ % (= c X 100)

Consider the following items and describe:

Roads/lanes: _____

Property lines/setbacks: _____

Well location: _____

Wetlands on site: _____

Easements: _____

Utilities/overhead lines: _____

Surface channels/drainage paths/flow patterns: _____

Runoff & stormwater controls/gutters: _____

Other: _____

Septic System

Septic System: Yes No

Type of system: Septic tank (with: drain field mound dry well) Holding tank Other

Distance measured from septic drain field to water body: _____ linear feet.

Evidence of failing sewage system: Yes No

(i.e., water ponding on surface; sewage odors in the home or yard; dense aquatics by shore; etc.)

Cultural Resources

Consult either the NRCS or Tribal databases for information on the site.

Other Considerations

Aesthetics: _____

Neighbors: _____

Sources of contamination (milkhouse waste, street & parking lot runoff, etc.): _____

Site Sketch

Attach pictures, maps, drawings, and other illustrations that depict essential site features.