MINNESOTA DEPARTMENT OF NATURAL RESOURCES RELEVE FORM
MNDNR, Division of Ecological & Water Resources, 500 Lafayette Road, Box 25, St. Paul, MN 55155

Initial Scan _____
Entered _____
QC'd _____
Edited _____
Final Scan _____

DNR RELEVE # __ __ __ __

SITE DATA SHEET

GENERAL INFORMATION

DNR RELEVE # __ __ __ __

Surveyor(s): _____

Surveyor's Releve #: _____ **Surveyor's Place Name:** _____

Institution: (M)BS (E)CS (N)HP (U)SFS (U) of M (O)ther _____

Purpose of Releve: (C)lassification (R)are species habitat (M)onitoring (O)ther _____

Revisit: (Y)es (N)o **Original DNR Releve #:** __ __ __ __

Date: __ __ **Month**: __ __ __ **Year**: __ __ __ __ (e.g. 09 JUL 2004)

MBS Site #: __ __ __ **Ownership:** _____

VEGETATION INFORMATION

Vegetation Group: (WU) wooded upland (OU) open upland (WW) wooded wetland (OW) open wetland

NPC Code (Name): __ __ __ __ __ __ __ (_____)

NPC Ranking in Releve: __ __

Stand Typical of NPC: (Y)es (N)o (U)ncertain

If No, identify appropriate modifier: (N)atural disturbance (H)uman disturbance (Y)oung stand (<40 yrs) (O)ther _____

Releve Typical of Stand: (Y)es (N)o

If No, identify appropriate modifier: (H)igher Quality (L)ower Quality (C)anopy Gap (O)ther_____

Plot Location in NPC: (F)ar from community boundary (M)oderately far from boundary (C)lose to boundary (E)cotonal

LOCATION INFORMATION

UTM: __ __ __ __ __ __ E / __ __ __ __ __ __ __ N (record in NAD83, Zone 15)

Permanent Marker: (N)o (Y)es

Marker Type / Placement: _____

UTM Accuracy: _____ meters

Location Source: (G)PS (A)ir photo (T)opo map (L)iDAR (O)ther _____

County: _____ **Township:** __ __ __ N **Range:** __ __ __ **Section:** __ __ **QQRT:** __ __ of **QRT:** __ __

PLOT INFORMATION

Plot Size: __ __ m x __ __ m = __ __ __ m^2

Elevation: __ __ __ __ ft. **Slope:** __ __ (°) or __ __ (%) **Aspect:** __ __ (e.g., N, NE, etc.; LV for level)

Topographic Context: (C)rest (U)pper (M)iddle (L)ower (T)oe (F)lat (D)epression (?)uncertain

SOIL INFORMATION

Litter Thickness: ____ cm

Litter Type: (L)eaves (N)eedles (G)rass (O)ther _____

Humus Thickness: ____ cm

HumusType: (M)or (M)oder (P)rairie mull (W)ormed mull

Earthworms Present: (Y)es (N)o

Earthworm Rapid Assessment Rank (low → heavy)**:** (1) (2) (3) (4) (5)

Depth to Semi-Permeable Layer: __ __ __ cm

Depth to Gray Colors or Redox Features: __ __ __ cm

Drainage Class: (E)xcessively/Somewhat excessively (W)ell (M)oderately well (S)omewhat poorly (P)oorly (V)ery poorly drained

Height of Moss Hummocks: __ __ __ cm

Sphagnum Cover: __ __ __ %

Depth of Standing Water: (>) __ __ __ cm

pH of Surface Water: ____ ± ____

Average Depth to Bedrock: __ __ __ cm

Exposed Rock: __ __ __ %

Rock Group: (F)elsic (M)afic (C)alcareous (S)andstone (S)ioux quartzite (O)ther

Rock Type: _____

General Soil Texture: (C)lay (L)oam (S)and (S)ilt (R)ock (M)uck (P)eat

Soil Layers	Depth of Layer: Top	Depth of Layer: Bottom	Texture[A]	Coarse Fragments: Type[B]	Coarse Fragments: Volume[C]
1:	0 cm	(>) ____ cm	_____	_____	_____
2:	____ cm	(>) ____ cm	_____	_____	_____
3:	____ cm	(>) ____ cm	_____	_____	_____
4:	____ cm	(>) ____ cm	_____	_____	_____
5:	____ cm	(>) ____ cm	_____	_____	_____
6:	____ cm	(>) ____ cm	_____	_____	_____
7:	____ cm	(>) ____ cm	_____	_____	_____
8:	____ cm	(>) ____ cm	_____	_____	_____

[A] S = sand, LS = loamy sand, SL = sandy loam, L = loam, SIL = silt loam, SCL = sandy clay loam, CL = clay loam, SICL = silty clay loam, SC = sandy clay, SIC = silty clay, C = clay, RO = rock, PE = peat, MP = mucky peat, MU = muck

If origin of peat or mucky peat is known, add suffix to two-letter code: -m = moss, -s = sedge

[B] Gr = gravel, Co = cobbles, St = stones, Bo = boulders

[C] 0 = <15%, 1 = 15-35%, 2 = 35-60%, 3 = 60-90%, 4 = >90%, ? = unknown

Remarks: _____

Basal Area & Tree Diameters **DBH List:** (C)omplete (P)artial

Species	L/D	BA-1	BA-2	Ave.	DBH (cm)

Prism Factor: ____

Releve-Wide DBH Statistics
Min: ____ Max: ____ Median:____

Notes:

Photos Taken: (Y)es (N)o

Revised June 2013

VEGETATION DATA SHEET

DNR RELEVE # __ __ __ __

Surveyor(s): _____ **Surveyor's Releve #:** _____ **Date:** _____

County: _____ **Surveyor's Place Name:** _____

ID	C.S	SPECIES NAME	REMARKS
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