

WI Natural Heritage Inventory Site Summary Form

 Office use only: 1919
 Access Site ID
 Biotics Site ID

Observer(s): A Clark

Surveysite and Managed Area: Black Wolf Run

 Date: May 19, 20, 2011
 July 7, 2011

Land Manager: Kohler Co, Sheboygan Co

Contact Info:

Town Range Section(Quarter/Quarter): T15NR23E531, 32, 28SE, 28SWSWNW, W1/2 W1/2SW

County: Sheboygan Waypoints: (Site 3) 1-35

Access/Directions: Within Black Wolf Run golf course in Kohler, west of I43, south of Hwy 28, north of Hwy 28. Access controlled by the Kohler Co.

Site description: Inventory concentrated on forested areas along the Sheboygan River. There are some small ~~forest~~ ^{fair} to good quality areas of northern mesic forest (waypts 1-3, 5, 8, 11, 12, 12-25, 23, 28) with Sugar maple, red oak, basswood + white pine. There are a few seeps (waypt 11, 20) in NMF with ostrich fern + stink cabbage. There are several areas of floodplain + floodplain terrace (waypts 4, 7, 15, 35, 34) with young white ash, larger cottonwood + creek willow, + an old oxbar (waypt 25, 26) with ~~white~~ ^{white} ash, box elder, creek willow. Steep eroded riverside slopes have degraded NMF + white cedar stands. The better quality areas of NMF + some of the floodplain areas have fairly rich herb layers.

Site Significance: Some of the only remaining forested areas along the Sheboygan River's lower portion. There are small but fair to good quality areas of NMF + some fair quality floodplain forest areas with a rich herb layer.

Management considerations: Garlic mustard is common, a especially bad infestation at waypoint 12 - it would take a significant effort to control its spread. Common black thorn + dogwood are common to abundant + widespread.

Land-use of site & surrounding landscape: Within a large golf course. Access is restricted to members + guests, so the natural areas don't receive the amount of use public lands do.

Community type(s): Northern Mesic Forest. Floodplain Forest. Forested Seep.

Rare species, SGCN species, or unusual features present: *Polystichum acrostichoides*

WI Natural Heritage Inventory Natural Community

Observer(s): AC Clark

Date: May 19, 2011

Office Use Only:
Com ID: 1223

Survey site and Managed Area: Black Wolf Run - Sheboygan River, Kohler

Community Type: Wetland Forest

Town Range Section (Quarter/Quarter): T15NR28E31SENW

County: Sheboygan

Community Acreage: _____ Confidence extent: Y N

GPS coordinates or file information (specify format, Degree Minutes and Seconds preferred) Datum: NAD27 WGS 84 WTM 83/91

Waypoint #: 005

Photo #: 1890 (East)

Access: Gate 3 access north of Hwy 28

Community description: Fairly mature 2nd growth Forest. Canopy dense, 16 to 20' dbh, sugar maple, white oak, white pine, red oak & beech. Subcanopy moderate sugar maple, beech, white pine. Sapling layer sparse, mostly sugar maple, some beech. Shrub layer sparse, Japanese barberry. Herb layer moderately dense, larkspur, yellow throat lily, crinkleroot, Penn sedge, with waterleaf, spring beauty, wood sorrel, Spargelia sedge.

Characteristic spp: Acer saccharum, Quercus alba, Pinus strobus, Fagus grandifolia, Berberis thunbergii, Allium tricoccum, Erythronium americanum, Saxifraga diphylla, Carex pennsylvanica, E. spargelia, Hydrophyllum virginianum, Cystopteris virginica, Anemone quinquefolia

Please list the communities' (top 3) dominant species for the appropriate cover class and for each Stratum below:

Stratum	% Cover Class code							Dominant Species
	1	2	3	4	5	6	7	
Canopy	<1	1-5	6-25	26-50	51-75	76-95	96-100	<u>Acer saccharum²⁰, Pinus strobus²⁰, Quercus alba²⁰</u>
Subcanopy	<1	1-5	6-25	26-50	51-75	76-95	96-100	<u>A. saccharum²⁰, Fagus grandifolia¹⁰, Pinus strobus¹⁰</u>
Shrub/Sapling	<1	1-5	6-25	26-50	51-75	76-95	96-100	<u>A. saccharum¹⁰, F. grandifolia¹⁰, Berberis thunbergii¹⁰</u>
Herb	<1	1-5	6-25	26-50	51-75	76-95	96-100	<u>Allium tricoccum²⁰, Erythronium americanum²⁰, Saxifraga diphylla²⁰</u>
Bryophyte/Lichen	<1	1-5	6-25	26-50	51-75	76-95	96-100	<u>None</u>
Bare Ground	<1	1-5	6-25	26-50	51-75	76-95	96-100	<u>leaf litter, bare soil</u>

Invasive spp: Alliaria petiolata, Berberis thunbergii, Hesperis matronalis, Taraxacum officinale, Actinum minus

Evidence of disturbance/threats: Logged in the past

Restoration Potential: There is a large garlic mustard infestation nearby (way point 12) which does not bode well for this site. Strong eradication measures should be taken.

Survey/Inventory/Management needs: Control garlic mustard

Rare species, SGCN species, or unusual features present: Good quality 2nd growth WNF

Aspect	Slope	Hydrologic Regime	Surface Soils
☐ NW	☒ 0%	☐ Inundated (Hydric)	☐ Sand
☒ N	☒ 1-10%	☐ Intermittently Flooded	☐ Loamy sand
☐ NE	☐ 10-25%	☐ Saturated (Wet-mesic)	☐ Sandy loam
☐ E	☐ 25-50%	☒ Moist (Mesic)	☐ Loam
☐ S	☐ 50-100%	☐ Dry-mesic	☒ Silt loam
☐ SE	☐ variable	☐ Dry (Xeric)	☐ Silt
☒ W		☐ Variable	☐ Clay loam
☐ SW			☐ Silty clay
☒ Level			
☐ variable			

Form continues on the back. Make any additional comments for any field where you need more room in the addendum space.

Southeast Wisconsin Upland Forest

(Please use Abundance Codes)

- R Ranunculus abortivus
U Ranunculus hispidus (Ranunculus septentrionalis)
 Ranunculus recurvatus var. recurvatus
 Sanicula gregaria
 Sanicula marilandica
 Sanicula trifoliata
 Saxifraga pensylvanica
 Schizachne purpurascens
 Scrophularia marilandica
 Scutellaria ovata ssp. ovata (SC)
 Senecio pauperculus
 Silene stellata var. scabrella
 Smilax eckrhatia
 Smilax hispida
 Smilax illinoensis
 Smilax lasioneura
 Solidago caesia (END)
C Solidago flexicaulis
 Solidago juncea
 Streptopus roseus var. longipes
 Symplocarpus foetidus
 Taenidia integerima
U Taraxacum officinale
C Thalictrum dioicum
E Thalictrum thalictroides (Anemone thalictroides)
 Trientalis borealis ssp. borealis
 Trillium cernuum
 Trillium flexipes
U Trillium grandiflorum
 Trillium nivale (THR)
 Trillium recurvatum (SC)
 Triosteum aurantiacum
 Triosteum perfoliatum
 Urtica dioica ssp. gracilis (Urtica procera)
R Uvularia grandiflora
 Veronicastrum virginicum
 Vicia caroliniana
 Viola labradorica (Viola conspersa)
U Viola pubescens
C Viola sororia
 Zizia aurea

Others

- Adiantum pedatum
U Athyrium filix-femina var. angustum

- Botrychium virginianum
U Cystopteris fragilis
 Dryopteris carthusiana (Dryopteris spinulosa)
 Equisetum arvense
 Equisetum hyemale var. affine
 Huperzia lucidula (Lycopodium lucidulum)
 Onoclea sensibilis
 Osmunda cinnamomea
 Osmunda claytoniana

Shrubs

- Amelanchier laevis
C Berberis thunbergii
 Cornus alternifolia
 Cornus racemosa
 Cornus rugosa
 Cornus stolonifera
 Corylus americana
 Diervilla lonicera
 Dirca palustris
 Euonymus atropurpurea var. atropurpurea
 Hamamelis virginiana
 Juniperus communis var. depressa
 Lonicera dioica
 Lonicera reticulata (Lonicera prolifera)
 Rhamnus frangula
 Rhus glabra
 Rhus hirta (Rhus typhina)
 Ribes americanum
 Ribes cynosbati
 Ribes missouriense
 Rosa multiflora
 Rubus allegheniensis
 Rubus idaeus var. strigosus (Rubus strigosus)
 Rubus occidentalis
 Sambucus canadensis var. canadensis
 Sambucus racemosa ssp. pubens var. pubens (Sambucus pubens)
 Staphylea trifolia
 Taxus canadensis (SC)
 Toxicodendron rydbergii (Rhus radicans)
 Viburnum acerifolium
U Viburnum lentago *U. trilobum R*
 Viburnum opulus ssp. opulus
 Viburnum prunifolium (SC)
 Viburnum rafinesquianum

- Zanthoxylum americanum

Trees

- U Acer negundo
 Acer rubrum var. rubrum
C Acer saccharinum
 Acer spicatum
 Betula alleghaniensis
 Betula papyrifera
 Carpinus caroliniana ssp. virginiana
 Carya cordiformis
 Carya ovata var. ovata
 Celtis occidentalis
C Fagus grandifolia
U Fraxinus americana
U Fraxinus pennsylvanica
 Fraxinus quadrangulata (THR)
 Gymnocladus dioica (SC)
 Juglans cinerea (SC)
 Juglans nigra
 Juniperus virginiana var. virginiana
 Ostrya virginiana
 Populus grandidentata
 Populus tremuloides *Pinus strobus C*
 Prunus serotina
C Quercus alba
 Quercus bicolor
 Quercus macrocarpa var. macrocarpa
 Quercus muhlenbergii (SC)
C Quercus rubra
 Quercus velutina
U Rhamnus cathartica
U Tilia americana var. americana
 Tsuga canadensis
 Ulmus americana
 Ulmus rubra
 Ulmus thomasii

Vines

- Amphicarpaea bracteata
 Apios americana
 Celastrus scandens
 Dioscorea villosa
 Menispermum canadense
U Parthenocissus quinquefolia
 Parthenocissus vitacea (Parthenocissus inserta)

WI Natural Heritage Inventory Natural Community

Office Use Only:

Com_ID 41222

EO_ID _____

Observer(s): A ClarkDate: May 19, 2011Surveysite and Managed Area: Black Wolf RunCommunity Type: Floodplain ForestTown Range Section(Quarter/Quarter): T15NR23E531SENWCounty: Sherborn

Community Acreage: _____ Confidence extent: Y N

GPS coordinates or file information (specify format, Degree Minutes and Seconds preferred) Datum: NAD27 WGS 84 WTM 83/91

Waypoint #s: 4Photo #s: 1889 NorthAccess: Gate 3 parking area

Community description: Disturbed, young floodplain forest. Canopy sparse, a few larger cottonwood + black willow, mostly 10-12" dbh ash with some box elder. Subcanopy moderate white ash with box elder. Sapling layer moderately sparse white ash + box elder. Shrub layer sparse to moderate common buckthorn. Herb layer dense, mostly dunes rocket, with wood nettle, reed canarygrass, Fibreleaf.

Characteristic spp: Populus deltoides Salix fragilis Fraxinus pennsylvanica Acer negundo, Rhamnus cathartica Hesperis matronalis Lapsana canadensis, Phlox carolinensis, Elaeagnus angustifolia

Please list the communities' (top 3) dominant species for the appropriate cover class and for each Stratum below:

	% Cover Class code							Dominant Species
Stratum	1	2	3	4	5	6	7	
Canopy	<1	1-5	6-25	26-50	51-75	76-95	96-100	<u>Populus deltoides¹⁰ Salix fragilis¹⁰ Fraxinus pennsylvanica²⁰</u>
Subcanopy	<1	1-5	6-25	26-50	51-75	76-95	96-100	<u>E. americana⁴⁰ Acer negundo¹⁰</u>
Shrub/Sapling	<1	1-5	6-25	26-50	51-75	76-95	96-100	<u>E. americana²⁰ A. negundo¹⁰ Rhamnus cathartica¹⁰</u>
Herb	<1	1-5	6-25	26-50	51-75	76-95	96-100	<u>Hesperis matronalis⁴⁰ Lapsana canadensis²⁰ Phlox carolinensis²⁰</u>
Bryophyte/Lichen	<1	1-5	6-25	26-50	51-75	76-95	96-100	
Bare Ground	<1	1-5	6-25	26-50	51-75	76-95	96-100	<u>soil, leaf litter</u>

Invasive spp: Rhamnus cathartica Hesperis matronalis Salix fragilis Lysichiton cuneatusEvidence of disturbance/threats: logged in the past, disturbed, shrubs are commonRestoration Potential: will the site recover or degrade with time

Survey/Inventory/Management needs: _____

Rare species, SGCN species, or unusual features present: Contains a colony of virginia bluebells escaped from cultivation

Aspect	Slope	Hydrologic Regime	Surface Soils
NW	<u>X</u> 0%	Inundated (Hydric)	Sand <u>Alluvium</u>
N	<u>X</u> 1-10%	<u>X</u> Intermittently Flooded	Loamy sand
<u>X</u> NE	10-25%	Saturated (Wet-mesic)	Sandy loam
E	25-50%	Moist (Mesic)	Loam
<u>X</u> S	50-100%	Dry-mesic	Silt loam
SE	variable	Dry (Xeric)	Silt
W		Variable	Clay loam
SW			Silty clay
<u>X</u> Level			
variable			

Form continues on the back. Make any additional comments for any field where you need more room in the addendum space.

Summary Rank of the Community Condition, Context, Quality and Viability

Rank Definition:	A- Excellent	B - Good	C Marginal	D - Poor
EO Condition & Quality (e.g. Composition, natural and human caused disturbances, exotics & community recovery potential)	A	B	C	D
EO Size	A	B	C	D
EO Context (Quality of biotic & abiotic factors/processes in surrounding landscape)	A	B	C	D
EO Rank (Summary of all factors listed above)	A	B	C	D
Comments	Not good quality but one of only a few remaining examples in the area			

Addendum or additional information regarding the site: (e.g. may include BBS, plant or animal species lists, recommendations for additional inventory work etc. ****For addenda, please note before each portion which field you are continuing.)

List Source:

Black Wolf Run, South side of the Sheboygan River, Sheboygan, WI

Floodplain Forest & Lacustrine Forest (including marshy sloughs & muddy banks)

(Please use Abundance Codes)

FISNR 236530505E, 31N1/2

AC last
May 19, 2011

Herbs

- ___ Acalypha rhomboidea
- ___ Alisma subcordatum *Aquimonia gyp*
- ___ Alisma triviale
- ☒ Allium canadense var. canadense *C*
- ___ Amaranthus tuberculatus (Achnida altissima)
- ___ Ambrosia trifida var. trifida
- ___ Anemone quinquefolia var. quinquefolia
- ___ Arabis laevigata var. laevigata
- ___ Arabis shortii (SC)
- ___ Aralia nudicaulis
- ___ Arenaria lateriflora
- ___ Arisaema dracontium
- ☒ Arisaema triphyllum ssp. triphyllum *C*
- ___ Artemisia serrata
- ___ Asarum canadense
- ___ Asclepias incarnata ssp. incarnata
- ___ Aster firmus (Aster lucidulus)
- ___ Aster lanceolatus (Aster simplex)
- ___ Aster lateriflorus
- ___ Aster ontariensis
- ___ Aster puniceus
- ___ Bidens cernuus
- ___ Bidens connatus
- ___ Bidens coronatus
- ___ Bidens frondosus
- ___ Boehmeria cylindrica
- ___ Boltonia asteroides var. recognita
- ___ Brachyelytrum erectum
- ___ Bromus altissimus (Bromus latiglumis)
- ___ Calamagrostis canadensis
- ___ Caltha palustris
- ___ Campanula americana
- ☒ Cardamine bulbosa *C*
- ☒ Carex blanda
- ___ Carex bromoides ssp. bromoides
- ___ Carex crinita var. crinita
- ___ Carex cristatella
- ___ Carex davisi
- ___ Carex gracilescens (SC)
- ___ Carex grayi
- ___ Carex grisea (Carex amphibola)
- ___ Carex intumescens
- ___ Carex lacustris
- ___ Carex lupuliformis (END)

- ___ Carex muskingumensis
- ___ Carex normalis
- ☒ Carex rosea *C*
- ___ Carex sparganoides
- ___ Carex sprengelli
- ___ Carex tribuloides var. tribuloides
- ___ Carex tuckermanni
- ___ Carex typhina
- ___ Carex vulpinoidea
- ___ Cicuta bulbifera
- ___ Cicuta maculata
- ___ Cinna arundinacea
- ___ Cinna latifolia
- ☒ Circaea lutetiana ssp. canadensis (Circaea quadrisulcata)
- ___ Claytonia virginica var. virginica
- ___ Cryptotaenia canadensis
- ___ Echinochloa crusgalli
- ___ Echinochloa walteri
- ___ Eleocharis acicularis
- ___ Elymus virginicus var. virginicus
- ___ Eragrostis hypnoides
- ___ Erigeron annuus
- ___ Eupatorium maculatum
- ___ Eupatorium perfoliatum var. perfoliatum
- ___ Eupatorium rugosum var. rugosum
- ___ Festuca subverticillata (Festuca obtusa)
- ___ Galium aparine
- ___ Galium asprellum
- ___ Galium obtusum ssp. obtusum
- ___ Galium trifidum ssp. trifidum
- ___ Galium triflorum
- ___ Geum canadense
- ___ Glyceria canadensis
- ___ Glyceria striata
- ___ Helenium autumnale var. autumnale
- ___ Helianthus strumosus
- ___ Helianthus tuberosus
- ___ Hibiscus laevis (Hibiscus millaris)
- ☒ Hydrophyllum virginianum *C*
- ☒ Impatiens capensis *C*
- ___ Impatiens pallida
- ___ Iris virginica var. shrevei
- ☒ Laportea canadensis *C*
- ___ Leersia lenticularis
- ___ Leersia oryzoides

- ___ Leersia virginica
- ___ Lindernia dubia
- ___ Lipocarpa micrantha (Hemicarpha micrantha)
- ___ Lobelia cardinalis var. cardinalis
- ___ Ludwigia palustris
- ___ Ludwigia polycarpa
- ___ Lycopodium americanum
- ___ Lycopodium uniflorum
- ___ Lycopodium virginicum
- ___ Lysimachia ciliata *Lysimachia A*
- ___ Mentha arvensis var. canadensis
- ☒ Mertensia virginica *A*
- ___ Mimulus ringens var. ringens
- ___ Muhlenbergia frondosa
- ___ Myosotis scorpioides
- ___ Nelumbo lutea
- ___ Osmorhiza claytonii
- ___ Osmorhiza longistylis
- ___ Penthorum sedoides
- ___ Phalaris arundinacea
- ___ Phlox divaricata ssp. laphamii
- ___ Phyla lanceolata
- ___ Physostegia virginiana ssp. virginiana
- ___ Pilea pumila
- ___ Platanthera flava var. herbicola (THR) (Habenaria flava)
- ___ Polemonium reptans var. reptans
- ___ Polygonatum pubescens
- ___ Polygonum amphibium
- ___ Polygonum amphibium (Polygonum coelestinum)
- ___ Polygonum hydropiper
- ___ Polygonum pensylvanicum
- ___ Polygonum punctatum
- ___ Polygonum sagittatum
- ___ Polygonum virginianum (Tovara virginiana)
- ___ Proserpinaca palustris var. crebra
- ___ Ranunculus abortivus
- ☒ Ranunculus hispidus (Ranunculus septentrionalis) *C*
- ___ Rorippa palustris (Rorippa islandica)
- ☒ Rudbeckia laciniata *C*
- ___ Rumex altissimus
- ☒ Rumex obtusifolius *C*
- ___ Rumex verticillatus
- ___ Sagittaria cuneata
- ___ Sagittaria graminea ssp. graminea

Asparagus

List-Source:)

Floodplain Forest & Lacustrine Forest (including marshy sloughs & muddy banks)

(Please use Abundance Codes)

- Sagittaria latifolia var. latifolia
 Sagittaria rigida
 Sanicula gregaria
 Scirpus cyperinus
 Scirpus fluviatilis
 X Scrophularia lanceolata U
 Scrophularia marilandica
 Scutellaria galericulata (Scutellaria
 epilobifolia)
 Scutellaria lateriflora
 Senecio aureus
 Silphium perfoliatum var. perfoliatum
 Stum suave
 Smilax eckrhata
 Smilax hispida
 Smilax lasioneura C
 X Solidago canadensis (Solidago altissima)
 Solidago gigantea
 Stachys palustris
 Stachys tenuifolia var. tenuifolia (Stachys
 hispida)
 X Symplocarpus foetidus U
 X Thalictrum dasycarpum C
 Typha latifolia
 X Urtica dioica ssp. gracilis (Urtica procera) C
 Uvularia sessilifolia
 Verbena hastata
 Verbena urticifolia
 Viola cucullata
 Viola labradorica (Viola conspersa)
 X Viola pubescens U
 X Viola sororia (Viola papilionacea) C
 X Zizia aurea U

Others

- Athyrium filix-femina var. angustum
 Dryopteris carthusiana (Dryopteris
 spinulosa)
 Dryopteris intermedia
 X Equisetum arvense U
 X Molluscia struthioptoris var. pennsylvanica U
 Onoclea sensibilis
 Thelypteris palustris var. pubescens

Shrubs

- Amorpha fruticosa
 Caphalanthus occidentalis
 Cornus amomum var. schuetzeana

- Cornus racemosa
 Cornus rugosa
 Cornus stolonifera
 Euonymus atropurpurea var. atropurpurea
 Ilex verticillata
 Ptelea trifoliata ssp. trifoliata var. trifoliata
 (SC)
 X Ribes americanum
 Salix exigua ssp. interior (Salix interior)
 Sambucus canadensis var. canadensis
 Staphylea trifolia
 Toxicodendron rydbergii (Rhus radicans)
 X Viburnum lentago C
 Zanthoxylum americanum (Xanthoxylum
 americanum)

Trees

- X Acer negundo C
 Acer rubrum var. rubrum
 Acer saccharinum
 Betula alleghaniensis
 Betula nigra
 Carya cordiformis
 Carya ovata var. ovata
 Celtis occidentalis
 Fagus grandifolia
 Fraxinus americana C
 Fraxinus nigra
 Fraxinus pennsylvanica
 Gleditsia triacanthos
 Gymnocladus dioica (SC)
 Juglans cinerea (SC)
 Morus rubra
 X Ostrya virginiana U
 Platanus occidentalis (SC)
 X Populus deltoides ssp. monilifera C
 Prunus serotina
 Quercus alba
 Quercus bicolor
 Quercus macrocarpa var. macrocarpa
 Quercus rubra (Quercus borealis)
 Salix discolor
 X Salix nigra

Vines

- Ampelocarpaea bracteata
 Apios americana
 Clematis virginiana
 Dioscorea villosa
 X Echinocystis lobata U
 Menispermum canadense
 Parthenocissus quinquefolia
 Sicyos angulatus
 Solanum dulcamara
 X Vitis riparia C

- 10-12 A few big *Celtis occidentalis* 10, 0, 0
 004 Young *Ash* Box Elder, 10, 0, 10
 10-12" *Rhamnus* at 10
 40 *Hesperis* *Floerke* 10
 20 *Chaparral* *Phlox* 20
 Plato North 1889
 007 - Young *Ash* Box Elder *Rhamnus*
Hesperis *Alnus* *Con* *Solidago*
Lysimachia *Ranunculus*
Trigonotis *Floerke*
 015 - low *tenax* along river (dam)
 disturbed *Ash* Box Elder
Lonicera *Rhamnus* *Floerke*
Solidago *Thalictrum* *dasy*, *Lysimachia*
Volucella *Isopyrum* *Hesperis*
Allium seedlings *Cardamine*
Actaeus
 016 - shrubby opening *lance* grass, weeds
 & dense *Rhamnus* *the* *ket*

Acer negundo - u
 Acer rubrum
 Acer saccharinum
 Acer saccharum
 Adiantum pedatum
 Agrostis alba
 Agrimonia gryposepala
 Alisma plantago-aquatica
 Allium canadense
 Allium tricoccum
 Alnus incana
 Amphicarpa bracteata
 Anemone canadensis
 Anemone quinquefolia
 Anemonella thalictroides
 Angelica atropurpurea
 Apios americana - u
 Aralia nudicaulis
 Aralia racemosa - u
 Arenaria lateriflora
 Arisaema
 Arisaema dracontium
 Arisaema triphyllum - u
 Asarum canadense
 Asclepias incarnata
 Aster lateriflorus
 Aster macrophyllus
 Aster puniceus
 Aster simplex
 Aster umbellatus
 Athyrium filix-femina
 Berula erecta
 Betula alleghaniensis
 Betula papyrifera
 Bidens cernua
 Bidens connata
 Bidens coronata
 Bidens frondosa - c
 Bidens frondosa - c
 Boehmeria cylindrica
 Botrychium virginianum
 Brachyelytrum erectum
 Bromus ciliatus
 Calamagrostis canadensis
 Caltha palustris
 Campanula aparinoides
 Cardamine bulbosa
 Cardamine pennsylvanica
 Cardamine pratensis
 Carex amphibola - u
 Carex bebbii
 Carex blanda
 Carex bromoides
 Carex comosa
 Carex convoluta
 Carex cristatella
 Carex gracillima
 Carex granularis

Carex gynandra
 Carex hystrixina
 Carex interior
 Carex intumescens
 Carex lacustris
 Carex leptalea
 Carex lupulina
 Carex retrorsa
 Carex rostrata
 Carex sartwellii
 Carex scoparia
 Carex stipata
 Carex stricta
 Carex tuckermanii
 Carex vulpinoidea
 Carpinus caroliniana
 Caulophyllum thalictroides
 Caphalanthus occidentalis
 Chelone glabra
 Chrysosplenium americanum
 Cicuta bulbifera
 Cicuta maculata
 Cinna arundinacea
 Circaea alpina
 Circaea quadrisulcata - c
 Cirsium muticum
 Cirsium palustre
 Claytonia virginica
 Clematis virginiana
 Clintonia borealis
 Cornus alternifolia - c
 Cornus canadensis
 Cornus racemosa
 Cornus stolonifera
 Corylus americana
 Corylus cornuta
 Crataegus - u
 Cryptotaenia canadensis - u
 Dentaria diphylla
 Dentaria laciniata
 Desmodium glutinosum
 Desmodium nudiflorum
 Dioscorea villosa
 Dryopteris carthusiana
 Dryopteris cristata
 Dryopteris intermedia
 Echinocystis lobata
 Eleocharis smallii
 Epilobium coloratum
 Equisetum arvense - c
 Equisetum fluviatile
 Equisetum hyemale
 Equisetum sylvaticum
 Eupatorium maculatum
 Eupatorium perfoliatum
 Eupatorium rugosum - c

Festuca subverticillata
 Floerkea proserpinnacoides
 Fraxinus nigra - c
 Fraxinus pennsylvanica - c
 Fragaria virginiana
 Galium aparine
 Galium asprellum
 Galium concinnum
 Galium obtusum
 Galium trifidum
 Galium triflorum
 Geranium maculatum - u
 Geum aleppicum - c
 Geum canadense - c
 Geum rivale
 Glyceria canadensis
 Glyceria striata - c
 Helianthus strumosus
 Hepatica acutiloba
 Hepatica americana
 Heracleum lanatum
 Hydrocotyle americana
 Hydrophyllum virginianum
 Hystrix patula - u
 Impatiens capensis - c
 Impatiens pallida
 Ilex verticillata
 Iris versicolor
 Iris virginica
 Isopyrum biteratum
 Juncus effusus
 Lactuca canadensis
 Laportea canadensis
 Larix laricina
 Leersia virginica
 Lilium michiganense
 Lobelia cardinalis - u
 Lycopodium americanum
 Lycopodium uniflorum
 Lysimachia ciliata - c
 Lysimachia nummularia
 Maianthemum canadense
 Matteuccia struthiopteris
 Menispermum canadense
 Miliium effusum
 Mitchella repens
 Mitella diphylla
 Mitella nuda
 Nasturtium officinale
 Nemopanthus mucronata
 Onoclea sensibilis
 Oryzopsis asperifolia
 Osmorhiza claytoni
 Osmorhiza longistylis
 Osmunda cinnamomea
 Osmunda claytoniana

Arisaema

Convolvulus sepium

✓ *Mar. fibres - U
sativum*

Smilax scirpata "u

5. *Stachys tripartita* H.

AC 2006

PL 310 2011 North

Dry-mesic and Mesic Forests

Name of Area: Black Wolf Run ~ North Side of the Schuyler Riv
T 15N R 28E Section 29 5 1/2, 32 NW
County Schuyler, Col ID Size _____

A - Abundant, the dominant vegetation
C - Common, locally abundant or frequent
O - Occasional, infrequently encountered
R - Rare, very few individuals seen

Азгоподієм

Crustaceans Bulbifer

= *Cystopteris bulbifera*

Epipactis
mattensis u

Actaea alba	Cirsium altissimum	Lycopodium obscurum
Actaea rubra	Claytonia virginiana	Maianthemum canadense
Adiantum pedatum	Conopholis americana	Milium effusum
Agastache scrophulariaefolia	Corallorhiza maculata	Mitella diphylla
Agrimonia gryposepala	Cryptotaenia canadensis	Monotropa uniflora
Agrimonia pubescens	Cypripedium pubescens	Orchis spectabilis
Alliaria officinalis	Cystopteris fragilis	Oryzopsis racemosa
Alium canadense	Dentaria laciniata	Osmorhiza claytoni
Allium tricoccum	Desmodium cuspidatum	Osmorhiza longistylis
Anemone quinquefolia	Desmodium glutinosum	Osmunda cinnamomea
Anemone virginiana	Desmodium nudiflorum	Osmunda claytoniana
Anemone thalictroides	Dicentra cucullaria	Panax quinquefolium
Aplectrum hyemale	Dioscorea villosa	Panicum latifolium
Aquilegia canadensis	Dryopteris goldiana	Parietaria pensylvanica
Arabis canadensis	Dryopteris spinulosa	Phlox divaricata
Arabis laevigata	Elymus villosus	Phryma leptostachya
Aralia nudicaulis	Epifagus virginiana	Podophyllum peltatum
Aralia racemosa	Erythronium albidum	Polemonium reptans
Arenaria lateriflora	Erythronium americanum	Polygonatum canaliculatum
Arisaema triphyllum	Eupatorium purpureum	Polygonatum pubescens
Asarum canadense	Eupatorium rugosum	Potentilla simplex
Asclepias exaltata	Festuca obtusa	Prenanthes alba
Aster lateriflorus	Floerkea proserpinacoides	Prunella vulgaris lan.
Aster macrophyllus	Fragaria vesca	Pyrola elliptica
Aster prenanthoides	Fragaria virginiana	Pyrola rotundifolia
Aster sagittifolius	Galium aparine	Ranunculus abortivus
Aster shortii	Galium circaezans	Ranunculus recurvatus
Thyrium felix-femina	Galium concinnum	Ranunculus septentrionalis
Thyrium thelypteroides	Galium lanceolatum	Sanguinaria canadensis
Cephala hirsuta	Galium triflorum	Sanicula gregaria
Ostrychium virginianum	Geranium maculatum	Sanicula marilandica
Rachelystrum erectum	Geum canadense	Sanicula trifoliata
Rhus purgans	Geum aleppicum	Scutellaria ovata vers.
Rhamnus americana	Goodyera pubescens	Silene stellata
Rhaphanistrum bulbosa	Habenaria viridis	Smilacina racemosa
Rudamine douglassii	Hackelia americana	Solidago flexicaulis
Rex albursina	Hackelia virginiana	Solidago ulmifolia
Rex amphibola	Helianthus decapetalus	Solidago serotina
Rex blanda	Helianthus strumosus	Streptopus roseus
Rex cephaloidea	Hepatica acutiloba	Symplocarpus foetidus
Rex cephalophora	Hepatica americana	Taenidia integerrima
Rex deweyana	Hydrastis canadensis	Thalictrum dioicum
Rex digitalis	Hydrophyllum appendiculatum	Tovara virginiana
Rex gracillima	Hydrophyllum virginianum	Trientalis borealis
Rex hirtifolia	Hystrix patula	Trillium cernuum
Rex hitchcockiana	Impatiens capensis	Trillium gleasoni
Rex jamesii	Impatiens pallida	Trillium grandiflorum
Rex laxiflora	Isopyrum bitematum	Trillium nivale
Rex oligocarpa	Jeffersonia diphylla	Trillium recurvatum
Rex pedunculata	Lactuca biennis	Triosteum aurantiacum
Rex pennsylvanica	Lactuca floridana	Triosteum perfoliatum
Rex plantaginea	Laportea canadensis	Uvularia grandiflora
Rex rosea	Lathyrus ochroleucus	Uvularia sessilifolia
Rex sparganioides	Leersia virginica	Veronicastrum virginicum
Rex sprengelii	Lithospermum latifolium	Vicia caroliniana
Rex woodii	Luzula acuminata	Viola conspersa
Rex yucca	Luzula multiflora	Viola cucullata
Rhophyllum thalictroides	Lycopodium clavatum	Viola incognita
Ra arundinacea	Lycopodium complanatum	Viola pubescens
Ra latifolia	Lycopodium lucidulum	Viola sororia
Rosa quadrisulcata		

Galun barak

Гуафронсафр
Тамара

Lonicera x bella c

Plantago major L.
Herbarium

Responsibilities

Three (1)

Acting C

Herakleum

Solanum elaeagnifolium

Phobos a

oxalis

• moses c

Con Valley's

131 - Sugar M 40, 30, 10 Ash 30, 20, 10 Tilia 20, 10, 1
 12-20" Prunus virginiana 20 Hesperis 20 Symplocos 10 Cercocarpus 2 Arisaema Crataegus
 Eriseda 30 Allium tri 10 Cornus alternifolia Asters Geranium Viola pub
 Parthenocissus

132 steep slope, seepage 10, 10, 0 10, 10, 1 Sugar M 10, 10, 0 Duf 40, 70, 10
 2-18 Hesperis 20 Symplocos 10 Ostrya 10 Ribes sativum Cornus alt 15 Arisaema
 Photo 2005 East 2006 West

133 - Top of slopes 12-20" Sugar M 10, 0 20, 20, 10 10, 0, 0 Tilia 5, 10, 5 PB 5, 10, 5
 Cyperus 30 Symplocos 10 Solidago alt 10 Prunus virginiana 20 Cercocarpus 10
 Photo 2007 East Aster 10 Ash seedlings & saplings 15 Cornus

135 Eroded, disturbed slopes 12-18" Sugar M 10, 0 20, 20, 10 10, 0, 0 Tilia 5, 10, 5 PB 5, 10, 5
 Acer negundo Prunus virginiana 20 Solidago alt 10 Cercocarpus 10 Hesperis 10
 Photo 2009 West Allium tri 10 Phlox 10

136 slopes Sugar M 40, 40, 10 20, 20, 1 20, 20, 1 Ostrya 10 Prunus virginiana 20 Cornus alt
 12-16" Photo 10 West Fagus 20, 20, 1 20, 20, 1 Tilia 10 Tilling
 Aster 10 Thalictrum dioica Urtica

SOUTHERN UPLAND FOREST PLANT SPECIES LIST

138 - Sugar M Tilia 10, 10, 1 20, 20, 1 20, 20, 1 Ostrya 10 Prunus virginiana 20 Cornus alt
 Thalictrum dioica 10 Solidago alt 10 Tilling 10
 139 slopes 12-20" R. Fagus Sugar M 40, 40, 10 20, 20, 1 20, 20, 1 Ostrya 10 Prunus virginiana 20 Cornus alt
 Photo 2012 East Hesperis 20, 20, 1 20, 20, 1 Rhamnus cathartica 10 Fagus saplings

TREES, SHRUBS AND VINES

<i>A. rubrum</i>	<i>Fraxinus quadrangulata</i>	<i>Thuja occidentalis</i>
<i>A. saccharum</i>	<i>Gymnocladus dioica</i>	<i>Rubus alleghaniensis</i>
<i>A. spicatum</i>	<i>Hamamelis virginica</i>	<i>Rubus occidentalis</i>
<i>L. lanceolata</i>	<i>Juglans cinerea</i>	<i>Rubus strigosus</i>
<i>L. bicarpa bracteata</i>	<i>Juglans nigra</i>	<i>Rubus</i>
<i>U. alleghaniensis</i>	<i>Lonicera dioica</i>	<i>Sambucus canadensis</i>
<i>U. papyrifera</i>	<i>Lonicera prolifera</i>	<i>Sambucus pubens</i>
<i>P. caroliniana</i>	<i>Menispermum canadense</i>	<i>Smilax acirrhata</i>
<i>Y. cordiformis</i>	<i>Ostrya virginiana</i>	<i>Smilax hispida</i>
<i>Y. ovata</i>	<i>Parthenocissus inserta</i>	<i>Smilax illinoense</i>
<i>A. scandens</i>	<i>Parthenocissus quinquefolia</i>	<i>Smilax lasioneura</i>
<i>T. occidentalis</i>	<i>Populus grandidentata</i>	<i>Staphylea trifolia</i>
<i>N. alternifolia</i>	<i>Populus tremuloides</i>	<i>Taxus canadensis</i>
<i>N. racemosa</i>	<i>Prunus serotina</i>	<i>Tilia americana</i>
<i>N. rugosa</i>	<i>Prunus virginiana</i>	<i>Tsuga canadensis</i>
<i>U. americana</i>	<i>Quercus alba</i>	<i>Ulmus americana</i>
<i>U. tomentosa</i>	<i>Quercus macrocarpa</i>	<i>Ulmus rubra</i>
<i>U. palustris</i>	<i>Quercus rubra</i>	<i>Ulmus thomasi</i>
<i>U. atropurpureus</i>	<i>Quercus velutina</i>	<i>Viburnum acerifolium</i>
<i>U. grandifolia</i>	<i>Rhus radicans</i>	<i>Viburnum lentago</i>
<i>C. americana</i>	<i>Ribes americanum</i>	<i>Viburnum rafinesquianum</i>
<i>C. pennsylvanica</i>	<i>Ribes cynosbati</i>	<i>Vitis aestivalis</i>
<i>C. penn. subinteg.</i>	<i>Ribes missouriense</i>	<i>Vitis riparia</i>
		<i>Xanthoxylum americanum</i>

140 - Slopes 12-24" Sugar M 40, 40, 10 20, 20, 1 20, 20, 1 Ostrya 10 Prunus virginiana 20 Cornus alt
 Photo 2012 East Hesperis 20, 20, 1 20, 20, 1 Rhamnus cathartica 10 Fagus saplings
 Ribes sativum - Rhamnus cathartica Viburnum trilobum
 Arisaema triphyllum
 Geranium maculatum
 Arisaema triphyllum

SOUTHERN UPLAND FOREST

COM ID: 4240

Scientific Areas Preservation Council
Department of Natural Resources
William Tans, Robert Head
576

SOUTHERN UPLAND FOREST PLANT SPECIES LIST

Dry-mesic and Mesic Forests

AC May 20, 2011

Sheboygan Co WI

LEGEND - a rating of approximate frequency

- A - Abundant, the dominant vegetation
- C - Common, locally abundant or frequent
- O - Occasional, infrequently encountered
- R - Rare, very few individuals seen

Name of Area: Black Wolf Run - Frontage Rd section of Y6
T 15N R 23E Section Sheboygan R.
County 2800' 26 1/2' 29 SE Size

HERBACEOUS PLANTS

<i>Actaea alba</i>	.....
<i>Actaea rubra</i>	.....
<i>Adiantum pedatum</i>	.....
<i>Agastache scrophulariaefolia</i>	.....
<i>Aprinonia gryposepala</i>	.....
<i>Aprinonia pubescens</i>	.....
<i>Alliaria officinalis</i>	.....
<i>Allium canadense</i>	.....
<i>Allium tricoccum</i>	.....
<i>Anemone quinquefolia</i>	.....
<i>Anemone virginiana</i>	.....
<i>Anemone thalictroides</i>	.....
<i>Aplectrum hyemale</i>	.....
<i>Aquilegia canadensis</i>	.....
<i>Arabis canadensis</i>	.....
<i>Arabis laevigata</i>	.....
<i>Aralia nudicaulis</i>	.....
<i>Aralia racemosa</i>	.....
<i>Aranaria lateriflora</i>	.....
<i>Arisaema triphyllum</i>	.....
<i>Asarum canadense</i>	.....
<i>Asclepias exaltata</i>	.....
<i>Aster lateriflorus</i>	.....
<i>Aster macrophyllus</i>	.....
<i>Aster prenanthoides</i>	.....
<i>Aster sagittifolius</i>	.....
<i>Aster shortii</i>	.....
<i>Athyrium filix-femina</i>	.....
<i>Athyrium thelypteroides</i>	.....
<i>Blephilia hirsuta</i>	.....
<i>Botrychium virginianum</i>	.....
<i>Brachyelytrum erectum</i>	.....
<i>Bromus pargans</i>	.....
<i>Campanula americana</i>	.....
<i>Cardamine bulbosa</i>	.....
<i>Cardamine douglassii</i>	.....
<i>Carex albursina</i>	.....
<i>Carex amphibola</i>	.....
<i>Carex blanda</i>	.....
<i>Carex cephaloidea</i>	.....
<i>Carex cephalophora</i>	.....
<i>Carex deweyana</i>	.....
<i>Carex digitalis</i>	.....
<i>Carex gracillima</i>	.....
<i>Carex hirtifolia</i>	.....
<i>Carex hitchcockiana</i>	.....
<i>Carex jamesii</i>	.....
<i>Carex laxiflora</i>	.....
<i>Carex oligocarpa</i>	.....
<i>Carex pedunculata</i>	.....
<i>Carex pennsylvanica</i>	.....
<i>Carex plantaginea</i>	.....
<i>Carex roosea</i>	.....
<i>Carex sparganioides</i>	.....
<i>Carex sprengelii</i>	.....
<i>Carex woodii</i>	.....
<i>Carex</i>	.....
<i>Caulophyllum thalictroides</i>	.....
<i>Cinna arundinacea</i>	.....
<i>Cinna latifolia</i>	.....
<i>Circaea quadrangulata</i>	.....

<i>Cirsium altissimum</i>	.....
<i>Claytonia virginiana</i>	.....
<i>Conopholis americana</i>	.....
<i>Corallorhiza maculata</i>	.....
<i>Cryptotaenia canadensis</i>	.....
<i>Cypripedium pubescens</i>	.....
<i>Cystopteris fragilis</i>	.....
<i>Pentaria laciniata</i>	.....
<i>Desmodium cuspidatum</i>	.....
<i>Desmodium glutinosum</i>	.....
<i>Desmodium nudiflorum</i>	.....
<i>Dicentra cucullaria</i>	.....
<i>Dioscorea villosa</i>	.....
<i>Dryopteris goldiana</i>	.....
<i>Dryopteris spinulosa</i>	.....
<i>Elymus villosus</i>	.....
<i>Epifagus virginiana</i>	.....
<i>Erythronium albidum</i>	.....
<i>Erythronium americanum</i>	.....
<i>Eupatorium purpureum</i>	.....
<i>Eupatorium rupestris</i>	.....
<i>Festuca obtusa</i>	.....
<i>Floerkea proserpinacoides</i>	.....
<i>Fragaria vesca</i>	.....
<i>Fragaria virginiana</i>	.....
<i>Galium aparine</i>	.....
<i>Galium circaeasens</i>	.....
<i>Galium concinnum</i>	.....
<i>Galium lanceolatum</i>	.....
<i>Galium triflorum</i>	.....
<i>Geranium maculatum</i>	.....
<i>Geum canadense</i>	.....
<i>Geum</i>	.....
<i>Goodyera pubescens</i>	.....
<i>Habenaria viridis</i>	.....
<i>Hackelia americana</i>	.....
<i>Hackelia virginiana</i>	.....
<i>Helianthus decapetalus</i>	.....
<i>Helianthus strumosus</i>	.....
<i>Hepatica acutiloba</i>	.....
<i>Hepatica americana</i>	.....
<i>Hydrastis canadensis</i>	.....
<i>Hydrophyllum appendiculatum</i>	.....
<i>Hydrophyllum virginianum</i>	.....
<i>Hystrix patula</i>	.....
<i>Impatiens capensis</i>	.....
<i>Impatiens pallida</i>	.....
<i>Isopyrum bitematum</i>	.....
<i>Jeffersonia diphylla</i>	.....
<i>Lactuca biennis</i>	.....
<i>Lactuca floridana</i>	.....
<i>Laportea canadensis</i>	.....
<i>Lathyrus ochroleucus</i>	.....
<i>Leersia virginica</i>	.....
<i>Lithospermum latifolium</i>	.....
<i>Luzula acuminata</i>	.....
<i>Luzula multiflora</i>	.....
<i>Lycopodium clavatum</i>	.....
<i>Lycopodium complanatum</i>	.....
<i>Lycopodium lucidulum</i>	.....

<i>Lycopodium obscurum</i>	.....
<i>Maianthemum canadense</i>	.....
<i>Milium effusum</i>	.....
<i>Mitella diphylla</i>	.....
<i>Monotropa uniflora</i>	.....
<i>Orchis spectabilis</i>	.....
<i>Oryzopsis racemosa</i>	.....
<i>Osmorhiza claytoni</i>	.....
<i>Osmorhiza longistylis</i>	.....
<i>Osmunda cinnamomea</i>	.....
<i>Osmunda claytoniana</i>	.....
<i>Panax quinquefolius</i>	.....
<i>Panicum latifolium</i>	.....
<i>Parietaria pensylvanica</i>	.....
<i>Phlox divaricata</i>	.....
<i>Phryma leptostachya</i>	.....
<i>Podophyllum peltatum</i>	.....
<i>Polemonium reptans</i>	.....
<i>Polygonatum canaliculatum</i>	.....
<i>Polygonatum pubescens</i>	.....
<i>Potentilla simplex</i>	.....
<i>Prenanthes alba</i>	.....
<i>Prunella vulgaris lan.</i>	.....
<i>Pyrola elliptica</i>	.....
<i>Pyrola rotundifolia</i>	.....
<i>Ranunculus abortivus</i>	.....
<i>Ranunculus recurvatus</i>	.....
<i>Ranunculus septentrionalis</i>	.....
<i>Sanguinaria canadensis</i>	.....
<i>Sanicula gregaria</i>	.....
<i>Sanicula marilandica</i>	.....
<i>Sanicula trifoliata</i>	.....
<i>Scutellaria ovata vers.</i>	.....
<i>Silene stellata</i>	.....
<i>Smilacina racemosa</i>	.....
<i>Solidago flexicaulis</i>	.....
<i>Solidago ulmifolia</i>	.....
<i>Solidago</i>	.....
<i>Streptopus roseus</i>	.....
<i>Symplocarpus foetidus</i>	.....
<i>Taenidia integerrima</i>	.....
<i>Thalictrum dioicum</i>	.....
<i>Tovara virginiana</i>	.....
<i>Trientalis borealis</i>	.....
<i>Trillium cernuum</i>	.....
<i>Trillium glaucum</i>	.....
<i>Trillium grandiflorum</i>	.....
<i>Trillium nivale</i>	.....
<i>Trillium recurvatum</i>	.....
<i>Triosteum aurantiacum</i>	.....
<i>Triosteum perfoliatum</i>	.....
<i>Uvularia grandiflora</i>	.....
<i>Uvularia sessilifolia</i>	.....
<i>Veronicastrum virginicum</i>	.....
<i>Vicia caroliniana</i>	.....
<i>Viola conspersa</i>	.....
<i>Viola cucullata</i>	.....
<i>Viola incognita</i>	.....
<i>Viola pubescens</i>	.....
<i>Viola sororia</i>	.....

Valeriana officinalis *Arctium* *Scrophularia*
Lilium mich. *Hesperis* *Rudbeckia laciniata* *Phedaris* *Solomon dulcamara*
C. taraxacum *Glechoma* *Solidago altissima* *Barbarea vulgaris*

SOUTHERN UPLAND FOREST PLANT SPECIES LIST
Page 2

TREES, SHRUBS AND VINES

<i>Potentilla simplex</i> U	<i>Picea mariana</i>	<i>Juniperus communis</i> R	<i>Thuja occidentalis</i>	<i>Sorbus americana</i>
<i>Acer negundo</i> C	<i>Phlox carolinensis</i> C	<i>Pinus strobus</i> U	<i>Thuja</i> C	<i>Sorbus</i>
<i>Acer rubrum</i>	<i>Fraxinus quadrangulata</i>	<i>Rubus alleghaniensis</i>		
<i>Acer saccharum</i>	<i>Gymnocladus dioica</i>	<i>Rubus occidentalis</i>		
<i>Acer spicatum</i>	<i>Hamamelis virginica</i>	<i>Rubus strigosus</i>		
<i>Amelanchier</i>	<i>Juglans cinerea</i>	<i>Rubus</i>		
<i>Aspidocarya bracteata</i>	<i>Juglans nigra</i>	<i>Sambucus canadensis</i>		
<i>Betula alleghaniensis</i>	<i>Lonicera dioica</i>	<i>Sambucus pubens</i>		
<i>Betula papyrifera</i>	<i>Lonicera prolifera</i>	<i>Smilax acirrhata</i>		
<i>Carpinus caroliniana</i>	<i>Menispermum canadense</i>	<i>Smilax hispida</i>		
<i>Carya cordiformis</i>	<i>Ostrya virginiana</i>	<i>Smilax illinoense</i>		
<i>Carya ovata</i>	<i>Parthenocissus inserta</i>	<i>Smilax lasioneura</i>		
<i>Delastria scandens</i>	<i>Parthenocissus quinquefolia</i>	<i>Staphylea trifolia</i>		
<i>Feltia occidentalis</i>	<i>Populus grandidentata</i>	<i>Taxus canadensis</i>		
<i>Cornus alternifolia</i>	<i>Populus tremuloides</i>	<i>Tilia americana</i>		
<i>Cornus racemosa</i>	<i>Prunus serotina</i>	<i>Tsuga canadensis</i>		
<i>Cornus rugosa</i>	<i>Prunus virginiana</i>	<i>Ulmus americana</i>		
<i>Corylus americana</i>	<i>Quercus alba</i>	<i>Ulmus rubra</i>		
<i>Crataegus</i>	<i>Quercus macrocarpa</i>	<i>Ulmus thomasi</i>		
<i>Circa palustris</i>	<i>Quercus rubra</i>	<i>Viburnum acerifolium</i>		
<i>Eriogonum atropurpureum</i>	<i>Quercus velutina</i>	<i>Viburnum lentago</i>		
<i>Liquidambar styraciflua</i>	<i>Rhus radicans</i>	<i>Viburnum rafinesquianum</i>		
<i>Rhamnus americana</i>	<i>Ribes americanum</i>	<i>Vitis aestivalis</i>		
<i>Rhamnus pennsylvanica</i>	<i>Ribes cynosbati</i>	<i>Vitis riparia</i>		
<i>Rhamnus penn. subinteg.</i>	<i>Ribes missouriense</i>	<i>Xanthoxylum americanum</i>		
<i>Sorbus thibetica</i> C	<i>Lonicera x bella</i> C	<i>Rosa multiflora</i> C	<i>Viburnum trilobum</i> C	

ADDITIONAL SPECIES AND COMMENTS: 10-18"

- 022 - NMF RO Sugar A GtA some upland with oaks & hickories
Palm Euphonia ex pen Aster nos Anemone some waterleaf hick, Hesperis
Photo 1993 East
- 023 - Spruce plantation 024 - steep eroded slope, banks Thuja, PB to 18" Pedicularis 5 leaf Tabby
Vib lentago Phalaris seeps
027 - steep slopes - with logged over, young BTA GtAegus Phlox etc Urtica sororia Arctium
To 10" Euphonia Geranium Euphorbia Carya Hesperis A few wP Solidago etc
029 - Thuja PB steep slopes along river Lonicera Fagus Aster Solidago flex Pennsylv
ex thumna Eroded
030 - young GtA - Lonicera Phlox open
031 - NMF on slopes RO Sugar A Fagus GtA Allin Euphonia 22 good
032 - steep eroded slopes w/ Thuja PB To 16"

SOUTHERN UPLAND FOREST

COM ID: 4241

Scientific Areas Preservation Council
Department of Natural Resources
William Tans, Robert Head
576

SOUTHERN UPLAND FOREST PLANT SPECIES LIST

Dry-mesic and Mesic Forests

AC May 20, 2011

LEGEND - a rating of approximate frequency

- A - Abundant, the dominant vegetation
C - Common, locally abundant or frequent
O - Occasional, infrequently encountered
R - Rare, very few individuals seen

Black Wolf Run, Frontage Rd, I 43 section of the Shaboygan River

Name of Area:

T 15N R 23E Section 32 E 1/2

County Shaboygan Co WI Size

HERBACEOUS PLANTS

Antennaria u
Anemone canadensis u
Actaea alba u X
Actaea rubra
Adiantum pedatum
Agastache scrophulariaefolia
Agrimonia gryposepala
Agrimonia pubescens
Alliaria officinalis
Allium canadense
Allium tricoccum
Anemone quinquefolia
Anemone virginiana
Anemonella thalictroides
Aplectrum hyemale
Aquilegia canadensis
Arabis canadensis
Arabis laevigata
Aralia nudicaulis
Aralia racemosa
Arenaria lateriflora
Arisaema triphyllum
Asarum canadense
Asclepias exaltata
Aster lateriflorus
Aster macrophyllus
Aster prenanthoides
Aster sagittifolius
Aster shortii
Athyrium filix-femina
Athyrium thelypteroides
Blephila hirsuta
Botrychium virginianum
Brachyelytrum erectum
Bromus purgans
Campanula americana
Cardamine bulbosa
Cardamine douglasii
Carex albursina
Carex amphibola
Carex blanda
Carex cephaloidea
Carex cephalophora
Carex deweyana
Carex digitalis
Carex gracillima
Carex hirtifolia
Carex hitchcockiana
Carex jamesii
Carex laxiflora
Carex oligocarpa
Carex pedunculata
Carex pennsylvanica
Carex plantaginea
Carex rosea
Carex sparganioides
Carex sprengelii
Carex woodii
Carex
Caulophyllum thalictroides
Cinna arundinacea
Cinna latifolia
Cirsium quadrisulcata
Cirsium altissimum
Claytonia virginiana
Conopholis americana
Corallorhiza maculata
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium cuspidatum
Desmodium glutinosum
Desmodium nudiflorum
Dicentra cucullaria
Dioscorea villosa
Dryopteris goldiana
Dryopteris spinulosa
Elymus villosus
Epifagus virginiana
Erythronium albidum
Erythronium americanum
Eupatorium purpureum
Eupatorium rugosum
Festuca obtusa
Floerkea proserpinacoides
Fragaria vesca
Fragaria virginiana
Galium aparine
Galium circassens
Galium concinnum
Galium lanceolatum
Galium triflorum
Geranium maculatum
Geum canadense
Geum
Goodyera pubescens
Habenaria viridis
Hackelia americana
Hackelia virginiana
Helianthus decapetalus
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Hydrastis canadensis
Hydrophyllum appendiculatum
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
Impatiens pallida
Isopyrum bitematum
Jeffersonia diphylla
Lactuca biennis
Lactuca floridana
Laportea canadensis
Lachyrus ochroleucus
Laersia virginica
Lithospermum latifolium
Luzula acuminata
Luzula multiflora
Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum

Prunella obtusifolia u
Conoclinium majus u

Lychnis c. subumbellata u

Lycopodium obscurum
Maianthemum canadense
Miliium effusum
Mitella diphylla
Monotropa uniflora
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza claytoni
Osmorhiza longistylis
Osmunda cinnamomea
Osmunda claytoniana
Panax quinquefolius
Panicum latifolium
Parietaria pennsylvanica
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans
Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Prunella vulgaris lan.
Pyrola elliptica
Pyrola rotundifolia
Ranunculus abortivus
Ranunculus recurvatus
Ranunculus septentrionalis
Sanguinaria canadensis
Sanicula gregaria
Sanicula marilandica
Sanicula trifoliata
Scutellaria ovata vers.
Silene stellata
Smilacina racemosa
Solidago flexicaulis
Solidago ulmifolia
Solidago attenuata
Streptopus roseus
Symlocarpus foetidus
Taenidia integririma
Thalictrum dioicum
Tovara virginiana
Trientalis borealis
Trillium cernuum
Trillium gleasoni
Trillium grandiflorum
Trillium nivale
Trillium recurvatum
Triosteum aurantiacum
Triosteum perfoliatum
Uvularia grandiflora
Uvularia sessilifolia
Veronicastrum virginicum
Vicia caroliniana
Viola conspersa
Viola cucullata
Viola incognita
Viola pubescens
Viola sororia

Thalictrum dasycarpum

Hesperis Taraxacum *Anemone* *Osmorhiza* *Zizia aurea*
Barbarea vulgaris u *Heracleum* *Epipactis atrorubens u*
Glechoma

May 20

SOUTHERN UPLAND FOREST PLANT SPECIES LIST
Page 2

TREE, SHRUBS AND VINES

Acer rubrum	X
Acer saccharum	X
Acer spicatum	.....
Amelanchier	.....
Aspicarpa bracteata	.....
Betula alleghaniensis	X
Betula papyrifera	X
Carya caroliniana	.....
Carya cordiformis	X
Carya ovata	X
Celastris scandens	.....
Celtis occidentalis	X
Cornus alternifolia	X
Cornus racemosa	.....
Cornus rugosa	.....
Corylus americana	.....
Crataegus	X
Erica palustris	.....
Eonymus atropurpureus	X
Laprus grandifolia	X
Rhamnus americana	X
Rhamnus pennsylvanica	X
Rhamnus penn. subinteg.	.....

Fraxinus quadrangulata	.....
Gymnocladus dioica	.....
Hamamelis virginia	.....
Juglans cinerea	.....
Juglans nigra	.....
Lonicera dioica	X
Lonicera prolifera	.....
Menispermum canadense	X
Ostrya virginiana	X
Parthenocissus inserta	.....
Parthenocissus quinquefolia	X
Populus grandidentata	.....
Populus tremuloides	.....
Prunus serotina	X
Prunus virginiana	X
Quercus alba	X
Quercus macrocarpa	X
Quercus rubra	X
Quercus velutina	.....
Rhus radicans	X
Ribes americanum	X
Ribes cynosbati	.....
Ribes missouriense	.....

Rubus alleghaniensis	X
Rubus occidentalis	X
Rubus strigosus	.....
Rubus	.....
Sambucus canadensis	.....
Sambucus pubens	.....
Smilax acirrhata	.....
Smilax hispida	.....
Smilax illinoense	.....
Smilax lasioneura	.....
Staphylea trifolia	.....
Taxus canadensis	.....
Tilia americana	X
Tsuga canadensis	.....
Ulmus americana	.....
Ulmus rubra	.....
Ulmus thomasi	.....
Viburnum acerifolium	.....
Viburnum lentago	X
Viburnum rafinesquianum	.....
Vitis aestivalis	.....
Vitis riparia	.....
Xanthoxylum americanum	X

Barberry *Thunbergia* C
Salix *fragilis* u
Rosa *multiflora* u
Rhamnus *cathartica* C
Cornus *K. bella* C

Dreawille u

Pinus *strobus* u

Thyris u

Populus *symphoricarpos* ~~detached~~

ADDITIONAL SPECIES AND COMMENTS:

- 033 disturbed slopes, eroded. steep between I 43 + river
Sugar on GA sh RO WO PB (Thyris) Aster nox Symphoricarpos
Rhamnus Prunus virginiana 22 wood
034 - narrow strip along river, GA sh ~~detached~~ ^{Greek} W. 11/122 dense water leaf, Alnus, Rhamnus
035 - River terrace, young GA boxelder Rhamnus a few birch cottonwood
Flower Hesperis water leaf solidago alt. lysirachia mummularis

these are waypoint notes & shouldn't be entered.

SOUTHERN UPLAND FOREST COMID: 4242

Scientific Areas Preservation Council
Department of Natural Resources
William Tans, Robert Read
576

SOUTHERN UPLAND FOREST PLANT SPECIES LIST

Shelbygan River, Wolf Run
south side of the river

T15N R22E S36NESE, T15N R22E S30SESE, 31N42, 32NW

Dry-mesic and Mesic Forests

July 7, 2011

LEGEND - a rating of approximate frequency

- A - Abundant, the dominant vegetation
- C - Common, locally abundant or frequent
- O - Occasional, infrequently encountered
- R - Rare, very few individuals seen

Name of Area:

T 15N R 22E Section 36NE

County Shelbygan Co WY Size May 19, 2011

HERBACEOUS PLANTS

Actaea alba	.....	u	X
Actaea rubra	.....	u	X
Adiantum pedatum	.....	.....	.....
Agastache scrophulariaefolia	.....	.....	.....
Agrimonia gryposepala	.....	.....	.....
Agrimonia pubescens	.....	.....	.....
Alliaria officinalis	.....	.....	.....
Allium canadense	.....	.....	.....
Allium tricoccum	.....	.....	.....
Anemone quinquefolia	.....	.....	.....
Anemone virginiana	.....	.....	.....
Anemone thalictroides	.....	.....	.....
Aplectrum hyemale	.....	.....	.....
Aquilegia canadensis	.....	.....	.....
Arabis canadensis	.....	.....	.....
Arabis laevigata	.....	.....	.....
Arabis nudicaulis	.....	.....	.....
Arabis racemosa	.....	.....	.....
Arenaria lateriflora	.....	.....	.....
Arisaema triphyllum	.....	.....	.....
Asarum canadense	.....	.....	.....
Asclepias exaltata	.....	.....	.....
Aster lateriflorus	.....	.....	.....
Aster macrophyllus	.....	.....	.....
Aster prenanthoides	.....	.....	.....
Aster sagittifolius	.....	.....	.....
Aster shortii	.....	.....	.....
Athyrium felix-femina	.....	.....	.....
Athyrium thelypteroides	.....	.....	.....
Blechnum hirsutum	.....	.....	.....
Botrychium virginianum	.....	.....	.....
Brachelytrum erectum	.....	.....	.....
Bromus purgans	.....	.....	.....
Campanula americana	.....	.....	.....
Cardamine bulbosa	.....	.....	.....
Cardamine douglasii	.....	.....	.....
Carex albursina	.....	.....	.....
Carex amphibola	.....	.....	.....
Carex blanda	.....	.....	.....
Carex cephaloidea	.....	.....	.....
Carex cephalophora	.....	.....	.....
Carex deweyana	.....	.....	.....
Carex digitalis	.....	.....	.....
Carex gracillima	.....	.....	.....
Carex hirtifolia	.....	.....	.....
Carex hitchcockiana	.....	.....	.....
Carex jamesii	.....	.....	.....
Carex laxiflora	.....	.....	.....
Carex oligocarpa	.....	.....	.....
Carex pedunculata	.....	.....	.....
Carex pennsylvanica	.....	.....	.....
Carex plantaginifolia	.....	.....	.....
Carex rosea	.....	.....	.....
Carex sparganioides	.....	.....	.....
Carex sprengei	.....	.....	.....
Carex woodii	.....	.....	.....
Carex <u>tenax</u>	.....	.....	.....
Caulophyllum thalictroides	.....	.....	.....
Cinna arundinacea	.....	.....	.....
Cinna latifolia	.....	.....	.....
Cirsium quadrilobatum	.....	.....	.....

Cirsium altissimum	.....	.....	.....
Claytonia virginiana	.....	.....	.....
Conopholis americana	.....	.....	.....
Corallorhiza maculata	.....	.....	.....
Cryptotaenia canadensis	.....	.....	.....
Cypripedium pubescens	.....	.....	.....
Cystopteris fragilis	.....	.....	.....
Dentaria laciniata	.....	.....	.....
Desmodium cuspidatum	.....	.....	.....
Desmodium glutinosum	.....	.....	.....
Desmodium nudiflorum	.....	.....	.....
Dicentra cucullaria	.....	.....	.....
Dioscorea villosa	.....	.....	.....
Dryopteris goldiana	.....	.....	.....
Dryopteris spinulosa	.....	.....	.....
Elymus villosus	.....	.....	.....
Epipactis virginiana	.....	.....	.....
Erythronium albidum	.....	.....	.....
Erythronium americanum	.....	.....	.....
Eupatorium purpureum	.....	.....	.....
Eupatorium rugosum	.....	.....	.....
Festuca obtusa	.....	.....	.....
Floerkea proserpinacoides	.....	.....	.....
Fragaria vesca	.....	.....	.....
Fragaria virginiana	.....	.....	.....
Galium aparine	.....	.....	.....
Galium circaeazens	.....	.....	.....
Galium concinnum	.....	.....	.....
Galium lanceolatum	.....	.....	.....
Galium triflorum	.....	.....	.....
Geranium maculatum	.....	.....	.....
Geum canadense	.....	.....	.....
Geum	.....	.....	.....
Goodyera pubescens	.....	.....	.....
Habenaria viridis	.....	.....	.....
Hackelia americana	.....	.....	.....
Hackelia virginiana	.....	.....	.....
Helianthus decapetalus	.....	.....	.....
Helianthus strumosus	.....	.....	.....
Hepatica acutiloba	.....	.....	.....
Hepatica americana	.....	.....	.....
Hydrastis canadensis	.....	.....	.....
Hydrophyllum appendiculatum	.....	.....	.....
Hydrophyllum virginianum	.....	.....	.....
Hystrix patula	.....	.....	.....
Impatiens capensis	.....	.....	.....
Impatiens pallida	.....	.....	.....
Isopyrum bitematum	.....	.....	.....
Jeffersonia diphylla	.....	.....	.....
Lactuca biennis	.....	.....	.....
Lactuca floridana	.....	.....	.....
Laportea canadensis	.....	.....	.....
Lathyrus ochroleucus	.....	.....	.....
Laersia virginica	.....	.....	.....
Lithospermum latifolium	.....	.....	.....
Luzula acuminata	.....	.....	.....
Luzula multiflora	.....	.....	.....
Lycopodium clavatum	.....	.....	.....
Lycopodium complanatum	.....	.....	.....
Lycopodium lucidulum	.....	.....	.....

Lycopodium obscurum	.....	.....	.....
Maianthemum canadense	.....	.....	.....
Milium effusum	.....	.....	.....
Mitella diphylla	.....	.....	.....
Monotropa uniflora	.....	.....	.....
Orchis spectabilis	.....	.....	.....
Oryzopsis racemosa	.....	.....	.....
Osmorhiza claytoni	.....	.....	.....
Osmorhiza longistylis	.....	.....	.....
Osmunda cinnamomea	.....	.....	.....
Osmunda claytoniana	.....	.....	.....
Panax quinquefolius	.....	.....	.....
Panicum latifolium	.....	.....	.....
Parietaria pennsylvanica	.....	.....	.....
Phlox divaricata	.....	.....	.....
Phryma leptostachya	.....	.....	.....
Podophyllum peltatum	.....	.....	.....
Polemonium reptans	.....	.....	.....
Polygonatum canaliculatum	.....	.....	.....
Polygonatum pubescens	.....	.....	.....
Potentilla simplex	.....	.....	.....
Prenanthes alba	.....	.....	.....
Prunella vulgaris lan.	.....	.....	.....
Pyrola elliptica	.....	.....	.....
Pyrola rotundifolia	.....	.....	.....
Ranunculus abortivus	.....	.....	.....
Ranunculus recurvatus	.....	.....	.....
Ranunculus septentrionalis	.....	.....	.....
Sanguinaria canadensis	.....	.....	.....
Sanicula gregaria	.....	.....	.....
Sanicula marilandica	.....	.....	.....
Sanicula trifoliata	.....	.....	.....
Scutellaria ovata versl.	.....	.....	.....
Silene stellata	.....	.....	.....
Smilacina racemosa	.....	.....	.....
Solidago flexicaulis	.....	.....	.....
Solidago ulmifolia	.....	.....	.....
Solidago <u>altissima</u>	.....	.....	.....
Streptopus roseus	.....	.....	.....
Symplocarpus foetidus	.....	.....	.....
Taenidia integerrima	.....	.....	.....
Thalictrum dioicum	.....	.....	.....
Tovara virginiana	.....	.....	.....
Trientalis borealis	.....	.....	.....
Trillium cernuum	.....	.....	.....
Trillium gleasoni	.....	.....	.....
Trillium grandiflorum	.....	.....	.....
Trillium nivale	.....	.....	.....
Trillium recurvatum	.....	.....	.....
Triosteum aurantiacum	.....	.....	.....
Triosteum perfoliatum	.....	.....	.....
Uvularia grandiflora	.....	.....	.....
Uvularia sessilifolia	.....	.....	.....
Veronicastrum virginicum	.....	.....	.....
Vicia caroliniana	.....	.....	.....
Viola conspersa	.....	.....	.....
Viola cucullata	.....	.....	.....
Viola incognita	.....	.....	.....
Viola pubescens	.....	.....	.....
Viola sororia	.....	.....	.....

Zizia aurea
Torax arm
Echinoglossa
Lilium mich
Glechoma
Solidago alt
Onoclea sensibilis
Heracleum
Lactuca
Aretium
Scrophularia
V. papilionacea
Urtica
Equisetum arvense

Impaler,

PLANT COMMUNITY SPECIES LIST -
FLOODPLAIN FOREST, LACUSTRINE FOREST
(Including marshy sloughs and muddy banks)

At Clark July 7, 2011

East Riverside Drive Sect

LEGEND - rating of approximate relative frequency

- A Abundant, the dominant vegetation
C Common, locally abundant or frequently encountered
U Uncommon, infrequently encountered
R Rare, very few plants seen

Area Name

Black Wolf Run North side of the Sheboygan R

T

15N

R

23E

County

Sheboygan Co. WI

Section

284-324 NW 29SW

<i>Acalypha rhomboidea</i> ---0010	<i>Cicuta bulbifera</i> ---1897	<i>Ludwigia palustris</i> ---4201
<i>Acnidia altissima</i> ---0040	<i>Cicuta maculata</i> ---1900	<i>Ludwigia polycarpa</i> ---4210
<i>Alisma plantago-aquatica</i> ---0175	<i>Cinna arundinacea</i> ---1906	<i>Lycopus americanus</i> ---4273
<i>Allium canadense</i> ---0193	<i>Cinna latifolia</i> ---1909	<i>Lycopus uniflorus</i> ---4294
<i>Ambrosia trifida</i> ---0286	<i>Circaea quadrilobata</i> ---1918	<i>Lycopus virginicus</i> ---4297
<i>Amorpha fruticosa</i> ---0322	<i>Claytonia virginica</i> ---1957	<i>Lysimachia ciliata</i> ---4306
<i>Amphicarpa bracteata</i> ---0325	<i>Clematis virginiana</i> ---1963	<i>Lysimachia nummularia</i> ---4318
<i>Anemone quinquefolia</i> ---0376	<i>Cornus amomum</i> ---2068	<i>Matteuccia struthiopteris</i> ---4393
<i>Apocynum androsaemifolium</i> ---0436	<i>Cornus racemosa</i> ---2077	<i>Menispermum canadense</i> ---4432
<i>Arabis laevigata</i> ---0481	<i>Cornus rugosa</i> ---2080	<i>Mentha arvensis</i> ---4441
<i>Arabis shortii</i> ---0487	<i>Cornus stolonifera</i> ---2083	<i>Mertensia virginica</i> ---4456
<i>Aralia nudicaulis</i> ---0493	<i>Crataegus sp.</i> ---2110	<i>Mimulus ringens</i> ---4465
<i>Arenaria lateriflora</i> ---0511	<i>Cryptotaenia canadensis</i> ---2176	<i>Muhlenbergia frondosa</i> ---4531
<i>Arisaema triphyllum</i> ---0532	<i>Cuscuta sp.</i> ---2182 C. spp.---2185	<i>Myosotis scorpioides</i> ---4570
<i>Arisaema dracontium</i> ---0535	<i>Cyperus sp.</i> ---2224	<i>Nelumbo lutea</i> ---4636
<i>Artemisia serrata</i> ---0619	<i>Cyperus spp.</i> ---2227	<i>Onoclea sensibilis</i> ---4711
<i>Asarum canadense</i> ---0625	<i>Dioscorea villosa</i> ---2413	<i>Osmorhiza claytoni</i> ---4765
<i>Asclepias incarnata</i> ---0643	<i>Dryopteris intermedia</i> ---2494	<i>Osmorhiza longistylis</i> ---4768
<i>Aster lateriflorus</i> ---0727	<i>Dryopteris spinulosa</i> ---2509	<i>Parthenocissus quinquefolia</i> ---4945
<i>Aster lucidulus</i> ---0733	<i>Echinochloa crusgalli</i> ---2533	<i>Penthorum sedoides</i> ---4999
<i>Aster ontarionis</i> ---0745	<i>Echinochloa walteri</i> ---2536	<i>Phalaris arundinacea</i> ---5020
<i>Aster puniceus</i> ---0760	<i>Echinocystis lobata</i> ---2539	<i>Phlox divaricata</i> ---5038
<i>Aster simplex</i> ---0775	<i>Eleocharis acicularis</i> ---2566	<i>Phylla lanceolata</i> ---5059
<i>Athyrium filix-femina</i> ---0805	<i>Eleocharis sp.</i> ---2560 E. spp.---2563	<i>Physostegia virginiana</i> ---5086
<i>Bidens cernua</i> ---0916	<i>Elymus virginicus</i> ---2650	<i>Pilea pumila</i> ---5104
<i>Bidens connata</i> ---0922	<i>Equisetum arvense</i> ---2695	<i>Polemonium reptans</i> ---5215
<i>Bidens coronata</i> ---0925	<i>Eragrostis hypnoides</i> ---2743	<i>Polygonatum pubescens</i> ---5248
<i>Bidens frondosa</i> ---0931	<i>Erigeron annuus</i> ---2779	<i>Polygonum amphibium</i> ---5263
<i>Boehmeria cylindrica</i> ---0943	<i>Euonymus atropurpureus</i> ---2854	<i>Polygonum coccineum</i> ---5281
<i>Boltonia asteroides</i> ---0946	<i>Eupatorium maculatum</i> ---2869	<i>Polygonum hydropiper</i> ---5293
<i>Brachyelytrum erectum</i> ---0991	<i>Eupatorium perfoliatum</i> ---2872	<i>Polygonum hydropiperoides</i> ---5296
<i>Bromus latiglumis</i> ---1045	<i>Eupatorium rugosum</i> ---2878	<i>Polygonum pennsylvanicum</i> ---5305
<i>Calamagrostis canadensis</i> ---1096	<i>Festuca obtusa</i> ---2953	<i>Polygonum punctatum</i> ---5311
<i>Caltha palustris</i> ---1147	<i>Fragaria virginiana</i> ---2992	<i>Polygonum sagittatum</i> ---5317
<i>Campanula americana</i> ---1165	<i>Galium aparine</i> ---3043	<i>Proserpinaca palustris</i> ---5518
<i>Cardamine bulbosa</i> ---1198	<i>Galium asprellum</i> ---3046	<i>Ptelea trifoliata</i> ---5566
<i>Carex amphibia</i> ---1249	<i>Galium obtusum</i> ---3067	<i>Ranunculus abortivus</i> ---5683
<i>Carex blanda</i> ---1291	<i>Galium trifidum</i> ---3076	<i>Ranunculus septentrionalis</i> ---5734
<i>Carex bromoides</i> ---1297	<i>Galium triflorum</i> ---3079	<i>Rhus radicans</i> ---5785
<i>Carex crinita</i> ---1354	<i>Geum canadense</i> ---3223	<i>Ribes americanum</i> ---5815
<i>Carex cristatella</i> ---1357	<i>Glyceria canadensis</i> ---3256	<i>Rorippa islandica</i> ---5869
<i>Carex davisi</i> ---1366	<i>Glyceria striata</i> ---3268	<i>Rubus occidentalis</i> ---5983
<i>Carex gracillima</i> ---1420	<i>Habenaria flava</i> ---3349	<i>Rudbeckia laciniata</i> ---6025
<i>Carex grayi</i> ---1429	<i>Habenaria pycnodes</i> ---3370	<i>Rumex altissimus</i> ---6046
<i>Carex intumescens</i> ---1456	<i>Helenium autumnale</i> ---3394	<i>Rumex obtusifolius</i> ---6058
<i>Carex lacustris</i> ---1462	<i>Helianthus strumosus</i> ---3454	<i>Rumex orbiculatus</i> ---6059
<i>Carex lupulina</i> ---1507	<i>Helianthus tuberosus</i> ---3457	<i>Rumex verticillatus</i> ---6064
<i>Carex muskingumensis</i> ---1531	<i>Hemicarpha micrantha</i> ---3472	<i>Sagittaria cuneata</i> ---6082
<i>Carex normalis</i> ---1534	<i>Hibiscus militaris</i> ---3496	<i>Sagittaria graminea</i> ---6085
<i>Carex rostrata</i> ---1591	<i>Hydrophyllum virginianum</i> ---3592	<i>Sagittaria latifolia</i> ---6088
<i>Carex sparganioides</i> ---1618	<i>Ilex verticillata</i> ---3652	<i>Sagittaria rigida</i> ---6091
<i>Carex sprengelii</i> ---1621	<i>Impatiens capensis</i> ---3655	<i>Salix discolor</i> ---6118
<i>Carex stipata</i> ---1630	<i>Impatiens pallida</i> ---3658	<i>Salix interior</i> ---6133
<i>Carex tribuloides</i> ---1660	<i>Iris virginica</i> ---3685	<i>Salix sp.</i> ---6094
<i>Carex tuckermanii</i> ---1669	<i>Laportea canadensis</i> ---3853	<i>Salix spp.</i> ---6097
<i>Carex typhina</i> ---1672	<i>Leersia lenticularis</i> ---3928	<i>Sambucus canadensis</i> ---6184
<i>Carex vulpinoidea</i> ---1690	<i>Leersia oryzoides</i> ---3931	<i>Sanicula gregaria</i> ---6205
<i>Carex sp.</i> ---1228	<i>Leersia virginica</i> ---3934	<i>Scirpus cyperinus</i> ---6268
<i>Carex spp.</i> ---1231	<i>Lindernia dubia</i> ---4054	<i>Scirpus fluviatilis</i> ---6277
<i>Cephalanthus occidentalis</i> ---1774	<i>Lobelia cardinalis</i> ---4135	<i>Scirpus sp.</i> ---6247

(continued on other side)

Additional species:

Leonurus *Geranium maculatum* *Rhus glabra* *Daelytis*
Sanguinaria *Arctium* *Hesperis* *Geranium*
Physocarpus *Epipactis* *Asclepias syriaca* *Cornus alternifolia* *Humulus*
Asclepias syriaca *Observer* *Date*

PLANT COMMUNITY SPECIES LIST -
FLOODPLAIN FOREST, LACUSTRINE FOREST
(Including marshy sloughs and muddy banks)

LEGEND - rating of approximate relative frequency

- A Abundant, the dominant vegetation
C Common, locally abundant or frequently encountered
U Uncommon, infrequently encountered
R Rare, very few plants seen

Area Name _____

T _____ R _____ County _____

Section _____

(continued)

Scirpus spp.---6250
Scrophularia lanceolata---6328
Scrophularia marilandica---6331
Scutellaria epilobiifolia---6337
Scutellaria lateriflora---6340
Senecio aureus---6379
Sicyos angulatus---6430
Silphium perfoliatum---6472
Slum suave---6508
Smilax eckrhata---6526
Smilax lasioneura---6532
Smilax hispida---6538
Solanum dulcamera---6547
Solidago altissima---6562
Solidago gigantea---6574
Stachys hispida---6756
Stachys palustris---6757
Staphylea trifolia---6763
Symplocarpus foetidus---6841
Teucrium canadense---6871
Thalictrum dasycarpum---6883
Thelypteris palustris---6907
Tovara virginiana---6943
Trillium sp.---7021

Typha latifolia---7078
Urtica procera---7102
Uvularia sessilifolia---7138
Verbena hastata---7198
Verbena urticifolia---7210
Viburnum lentago---7297
Viola conspersa---7360
Viola cucullata---7363
Viola papilionacea---7390
Viola pubescens---7405
Viola sp.---7342 V. spp.---7345
Vitis riparia---7441
Xanthoxylum americanum---7480
Zizia aurea---7513

TREES

Acer negundo---0013
Acer rubrum---0022
Acer saccharinum---0025
Betula alleghaniensis---0886
Betula nigra---0895
Carya cordiformis---1705
Carya ovata---1708

Celtis occidentalis---1750
Fagus grandifolia---2938
Fraxinus americana---3001
Fraxinus nigra---3004
Fraxinus pennsylvanica (red)---3007
Fraxinus pennsylvanica (green)---3010
Gleditsia triacanthos---3244
Gymnocladus dioica---3325
Juglans cinerea---3712
Morus rubra---4516
Ostrya virginiana---4789
Platanus occidentalis---5168
Populus deltoides---5356
Prunus serotina---5551
Quercus alba---5650
Quercus bicolor---5653
Quercus borealis---5656
Quercus macrocarpa---5662
Quercus velutina---5674
Salix nigra---6139
Tilia americana---6925
Ulmus americana---7087
Ulmus rubra---7093
Ulmus thomasi---7096

Additional species:

134 - flood plain terrace - 30-40' Cottonwood 40, 0.0 Tilia 0, 40, 20 Aspen 0, 5, 5
Rhus glabra 10 Hesperis 30 40 Cirsium 5 Anisone 1 Solidago 20 Thalictrum 10
Photo 2003 North
Phalaris 10 Zizia 10 Helianthus 10

137 - steep slope E. side Tilia WASH
Phalaris Cg. Anisone Thalictrum

Observer _____

Date _____

PLANT COMMUNITY SPECIES LIST -
FLOODPLAIN FOREST, LACUSTRINE FOREST
(Including marshy sloughs and muddy banks)

COM ID: 4247

AC May 20, 2011
Shoberger GCS

LEGEND - rating of approximate relative frequency

- A Abundant, the dominant vegetation
C Common, locally abundant or frequently encountered
U Uncommon, infrequently encountered
R Rare, very few plants seen

Area Name

T T15N

R 23E

County

Section

32 SE

Acalypha rhomboidea-0010
Aenidia altissima-0040
Allisma plantago-aquatica-0175
Allium canadense-0193
Ambrosia trifida-0286
Amorpha fruticosa-0322
Amphicarpa bracteata-0325
Anemone quinquefolia-0376
Apios americana-0436
Arabis laevigata-0481
Arabis shortii-0487
Aralia nudicaulis-0493
Arenaria lateriflora-0511
Arisaema triphyllum-0532
Arisaema dracontium-0535
Artemisia serrata-0619
Asarum canadense-0625
Asclepias incarnata-0643
Aster lateriflorus-0727
Aster lucidulus-0733
Aster ontariensis-0746
Aster puniceus-0760
Aster simplex-0775
Athyrium filix-femina-0805
Bidens cernua-0916
Bidens connata-0922
Bidens coronata-0925
Bidens frondosa-0931
Boehmeria cylindrica-0943
Boltonia asteroides-0946
Brachyelytrum erectum-0991
Bromus latiglumis-1045
Calamagrostis canadensis-1096
Caltha palustris-1147
Campanula americana-1165
Cardamine bulbosa-1198
Carex amphibola-1249
Carex blanda-1291
Carex bromoides-1297
Carex crinita-1354
Carex cristatella-1357
Carex davisi-1366
Carex gracillima-1420
Carex grayi-1429
Carex intumescens-1456
Carex lacustris-1462
Carex lupulina-1507
Carex muskingumensis-1531
Carex normalis-1634
Carex rosea-1691
Carex sparganioides-1618
Carex sprengei-1621
Carex stipata-1630
Carex tribuloides-1660
Carex tuckermanii-1669
Carex typhina-1672
Carex vulpinoidea-1690
Carex sp.-1228
Carex spp.-1231
Cephalanthus occidentalis-1774

Cicuta bulbifera-1897
Cicuta maculata-1900
Cinna arundinacea-1906
Cinna latifolia-1909
Circaea quadrifida-1918
Claytonia virginica-1957
Clematis virginiana-1963
Cornus amomum-2068
Cornus racemosa-2077
Cornus rugosa-2080
Cornus stolonifera-2083
Crataegus sp.-2110
Cryotaenia canadensis-2176
Cuscuta sp.-2182
C. spp.-2185
Cyperus sp.-2224
Cyperus spp.-2227
Dioscorea villosa-2413
Dryopteris intermedia-2494
Dryopteris spinulosa-2509
Echinochloa crusgalli-2533
Echinochloa walteri-2536
Echinocystis lobata-2539
Eleocharis acicularis-2566
Eleocharis sp.-2560
E. spp.-2563
Elymus virginicus-2650
Equisetum arvense-2695
Eragrostis hypnoides-2743
Erigeron annuus-2779
Euonymus atropurpureus-2854
Eupatorium maculatum-2869
Eupatorium perfoliatum-2872
Eupatorium rugosum-2878
Festuca obtusa-2953
Fragaria virginiana-2992
Galium aparine-3043
Galium asprellum-3046
Galium obtusum-3067
Galium trifidum-3076
Galium triflorum-3079
Geum canadense-3223
Glyceria canadensis-3256
Glyceria striata-3268
Habenaria flava-3349
Habenaria psycodes-3370
Helenium autumnale-3394
Helianthus strumosus-3454
Helianthus tuberosus-3457
Hemicarpha micrantha-3472
Hibiscus militaris-3496
Hydrophyllum virginianum-3592
Ilex verticillata-3652
Impatiens capensis-3655
Impatiens pallida-3658
Iris virginica-3685
Laportea canadensis-3853
Leersia lenticularis-3928
Leersia oryzoides-3931
Leersia virginica-3934
Lindernia dubia-4054
Lobelia cardinalis-4135

Ludwigia palustris-4207
Ludwigia polycarpa-4210
Lycopus americanus-4273
Lycopus uniflorus-4294
Lycopus virginicus-4297
Lysimachia ciliata-4306
Lysimachia nummularia-4318
Matteuccia struthiopteris-4393
Menispermum canadense-4432
Mentha arvensis-4441
Mertensia virginica-4456
Mimulus ringens-4465
Muhlenbergia frondosa-4531
Myosotis scorpioides-4570
Nelumbo lutea-4636
Onoclea sensibilis-4711
Osmorhiza claytoni-4765
Osmorhiza longistylis-4768
Parthenocissus quinquefolia-4945
Penthorum sedoides-4999
Phalaris arundinacea-5020
Phlox divaricata-5038
Phyla lanceolata-5059
Physostegia virginiana-5086
Pilea pumila-5104
Polemonium reptans-5215
Polygonatum pubescens-5248
Polygonum amphibium-5263
Polygonum coccineum-5281
Polygonum hydropiper-5293
Polygonum hydropiperoides-5296
Polygonum pensylvanicum-5305
Polygonum punctatum-5311
Polygonum sagittatum-5317
Proserpinaca palustris-5518
Ptelea trifoliata-5566
Ranunculus abortivus-5683
Ranunculus septentrionalis-5734
Rhus radicans-5785
Ribes americanum-5815
Rorippa islandica-5869
Rubus occidentalis-5983
Rudbeckia laciniata-6026
Rumex altissimus-6046
Rumex obtusifolius-6058
Rumex orbiculatus-6059
Rumex verticillatus-6064
Sagittaria cuneata-6082
Sagittaria graminea-6085
Sagittaria latifolia-6088
Sagittaria rigida-6091
Salix discolor-6118
Salix interior-6133
Salix sp.-6094
Salix spp.-6097
Sambucus canadensis-6184
Sanicula gregaria-6205
Scirpus cyperinus-6268
Scirpus fluviatilis-6277
Scirpus sp.-6247

(continued on other side)

Additional species:

Agimonia guy
Asterium
Hesperis
Glechoma
Toraxium
Dentaria laciniata
Rosa multiflora

Observer

Date

PLANT COMMUNITY SPECIES LIST -
FLOODPLAIN FOREST, LACUSTRINE FOREST
(Including marshy sloughs and muddy banks)

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Area Name _____

T _____ R _____ County _____

Section _____

(continued)

Scirpus spp.---6250-----
Scrophularia lanceolata---6328-----
Scrophularia marilandica---6331-----
Scutellaria epilobifolia---6337-----
Scutellaria lateriflora---6340-----
Senecio aureus---6379-----
Sicyos angulatus---6430-----
Silphium perfoliatum---6472-----
Sium suave---6508-----
Smilax ecirrhata---6526-----
Smilax lasioneura---6532-----
Smilax hispida---6538-----
Solanum dulcamara---6547-----
Solidago altissima---6562-----
Solidago gigantea---6574-----
Stachys hispida---6756-----
Stachys palustris---6757-----
Staphylea trifolia---6763-----
Symplocarpus foetidus---6841-----
Teucrium canadense---6871-----
Thalictrum dasycarpum---6883-----
Thelypteris palustris---6907-----
Tovara virginiana---6943-----
Trillium sp.---7021-----

Typha latifolia---7078-----
Urtica procera---7102-----
Uvularia sessilifolia---7138-----
Verbena hastata---7198-----
Verbena urticifolia---7210-----
Viburnum lentago---7297-----
Viola conspersa---7360-----
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Viola papilionacea---7390-----
Viola pubescens---7405-----
Viola sp.---7342 V. spp.---7345-----
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Zizia aurea---7513-----

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Platanus occidentalis---5158-----
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Quercus borealis---5656-----
Quercus macrocarpa---5662-----
Quercus velutina---5674-----
Salix nigra---6139-----
Tilia americana---6925-----
Ulmus americana---7087-----
Ulmus rubra---7093-----
Ulmus thomasi---7096-----

Additional species:

- 025 Oldox bow bottoms - Mostly G Ash, Box Elder to 12" ^{crack} ~~some~~ ^{W. 11m} Photo South 1894
Phalaris Lysimachia Stuck Cabbage Hesperis G Rod Ephemeral pools
026 - wet opening, scattered G Ash - standing water Iris Phalaris Typha

woodpeckers deer ruffed birds Grackles Starlings

Observer _____

Date _____