

**Botanical Field Survey of Hays Woods, City of Pittsburgh, Allegheny Co. PA
2 June 2017**

Steve Grund, Gabryel Malone, Charles Bier

NOTE: This survey started in the lower Glass Run valley at the eastern end of the property; **(1)** proceeded up the south-facing slope to the top of the plateau; **(2)** proceeded east to overlooking the Streets Run/Mongahela River confluence (on an adjacent City property); **(3)** then north and downslope and northwest and downstream (relative to river flow) on mid-slope above river; **(4)** then up to top of escarpment, and NW along lip for hundreds of meters; then **(5)** down into small drainage cove with open mine hole (this is the small valley just south of the Falls Run valley); before **(6)** turning around and heading back along top of escarpment to beginning point. This route corresponds to photo survey points taken along the way and which are provided as part of the photo point map. This field survey is fielded with the PA Natural Heritage Program under the code: F16GRU21. The species listed are based upon field identifications; specimens collected for a limited number of the taxa listed here.

(1)

Acer saccharum East facing Slope (Lower to Mid-slope)
Lonicera macckii
Sedum ternatum
Alliaria petiolata
Prenanthes
Sanicula marilandica
Quercus alba
Quercus velutina
Quercus muehlenbergii
Podophyllum peltatum
Agrotina altissima
Microstegium vimineum (Not too bad on this slope)
Oxalis sp.
Arisaema triphyllum
Cryptotaenia canadensis
Quercus rubra
Persicaria virginiana
Solidago flexicaulis
Poa sylvestris
Hackelia virginiana
Impatiens palida
Brachyelytrum sp.
Circaea canadensis
Fraxinus americana
Parthenocissus
Polygonatum pubescens
Ulmus rubra
Stellaria cf. pubera
Celastrus orbiculatus
Symphyotrichum shortii Mid-slope to upper slope switchbacks
Rosa multiflora
Galium aparine
Geum canadense
Cardamine impatiens
Collinsonia sp.

**Botanical Field Survey of Hays Woods, City of Pittsburgh, Allegheny Co. PA
2 June 2017**

Steve Grund, Gabryel Malone, Charles Bier

Carex swanii
Allium cf. introduced
Microstegium vimineum Increases with the slope
Eurybia divaricata
Ailanthus altissima About 5 trees
Menispermum canadense
Lonicera japonica
Vitis riparius Top of hill in open area
Artemesia vulgaris
Hypericum prolificum
Microstegium vimineum
Erigeron philadelphicus
Ulmus rubra
Carex vulpinoidea
Verbesina alternifolia
Dichanthelium clandestinum
Urtica dioica subsp. dioica
Solidago cf. canadensis
Potentilla simplex
Trifolium hybridum
Trifolium repens
Robinia pseudoacacia
Anthoxanthum odoratum
Rumex crispis
Amphicarpaea bracteata
Achillia millifolium
Liriodendron tulipifera
Convolvulus arvensis
Asclepias sp.
Apocynum cannabinum
(2)
Microstegium vimineum Dense Hiking North toward Nose/ Right of Way
Helianthus decapetalus
Rosa multiflora Lots
Prunus serotina
Cryptotaenia caroliniana
Carya cordiformis Intersection with road (still hiking toward nose)
Rubus occidentalis
Plantago rugaliala
Celtis occidentalis
Arisaema triphyllum
Cardamine impatiens
Dichanthelium cf. latifolium
Acer negundo
Solidago rugosa
Persicaria longiseta On new property
Sambucus nigrum subsp. caerulea
Fraxinus americana
Rumex obtusifolius

**Botanical Field Survey of Hays Woods, City of Pittsburgh, Allegheny Co. PA
2 June 2017**

Steve Grund, Gabryel Malone, Charles Bier

Nose- Open area on Right of Way

Conium maculatum
Rubus occidentalis
Plantago lanceolata
Microstegium vimineum Lots
Oxalis dillonii
Crataegus pennsylvanica
Plantago rugaliala
Galium aparine
Dichanthelium clandestinum
Verbesina alternifolia
Quercus rubra
Alliaria petiolata
Asclepias sp.
Danthonia cf. compressa
Dennstaedtia punctilobula
Podophyllum peltatum Small patch in sun
Persicaria longiseta
Fraxinus pennsylvanica
Carex swanii
Achillia millifolium
Dactylis glomerata

(3)

Lonicera macckii Hiked back into forest to right of trail we entered on.
Juglans nigra
Crataegus pennsylvanica
Dryopteris intermedia
Vitis riparius Huge "trees"
Verbesina alternifolia
Prunus serotina
Acer saccharum
Celtis occidentalis
Podophyllum peltatum
Arisaema triphyllum
Acer negundo
Pilea sp.
Dryopteris carthusiana
Celastrus orbiculatus
Osmorhiza longistylis
Myosoton aquaticus? Collected
Stellaria Collected
Hydrophyllum virginiana Open forested slope facing the river.
Sambucus pubens Upper Slope
Tilia americana cf var. heterophylla
Celtis occidentalis
Acer saccharum
Chelidonium majus
Polygonatum pubescens
Podophyllum peltatum
Impatiens sp.

**Botanical Field Survey of Hays Woods, City of Pittsburgh, Allegheny Co. PA
2 June 2017**

Steve Grund, Gabryel Malone, Charles Bier

Rubus odoratus
Eurybia divaricata
Dicentra cucullaria
Acer platanoides
Ostrya virginiana
Hydrophyllum canadense
Hydrophyllum appendiculatum
Fraxinus sp. Dead
Rubus phoenicolasius
Prenanthes
Actaea racemosa mid to upper slope heading downstream along river
Arisaema triphyllum subsp. triphyllum
Thalictrum dioicum
Ulmus americana
Persicaria virginiana
Hydrophyllum virginiana
Hydrophyllum appendiculatum
Laportea canadensis
Osmorhiza longistylis
Caulophyllum thalictroides
Hydrophyllum canadense
Galium aparine
Celastrus orbiculatus
Tilia americana
Dryopteris marginalis
Chelidonium majus
Sedum ternatum
Fagus grandifolia
Hydrangea
Persicaria longiseta
Carex albursina
Caulophyllum gigantea
Platanus occidentalis branches
Persicaria perfoliata
Asplenium platyneuron
Prunus virginiana
Pilea sp.
Cardamine concantenata Back up slope towards Right of Way.
Ulmus rubra
Ulmus americana
Sanicula marilandica
Cystopteris protrusaria
Sanguinaria canadensis
Prunus serotina
Cryptotaenia caroliniana
(4)
Dianthus armeria Along right side of road on Right of Way.
Crataegus pennsylvanica
Liriodendron tulipifera

**Botanical Field Survey of Hays Woods, City of Pittsburgh, Allegheny Co. PA
2 June 2017**

Steve Grund, Gabryel Malone, Charles Bier

Asclepias sp.
Artemesia vulgaris
Achillia millifolium
Ailanthus altissima
Rosa multiflora
Quercus rubra
Melilotus sp.
Sisyrinchium angustifolium
Dactylis glomerata
Bromus inermis
cf. Penstemon Unk. Scroph
Prunus serotina Ravine area on side of Right of Way
Prunus pensylvanica
Lonicera morrowii
Polygonatum pubescens
Dennstaedtia punctilobula
Rosa canina
Crataegus pennsylvanica
Medicago lupulina
Trifolium cf. luteum
Dichanthelium sp.
Quercus montana
Panicum cf. longifolium
Lysimachia quadrifolia
Asplenium platyneuron
Anthoxanthum odoratum
Danthonia spicata
Carex swanii Approaching wooded area
Linaria vulgaris
Poa compressa
Solidago caesia
Paronychia canadensis
Prenanthes
Podophyllum peltatum
Crataegus pennsylvanica Trees with dead branches, stressed out. Small saplings as well.
Paronychia canadensis Along trail into wooded area (to right of Right of Way).
Cardamine impatiens
Tilia americana
Acer saccharum
Carya cordiformis
(5)
Viburnum acernafolia Down slope past abandon mine.
Alliaria petiolata
Polygonatum pubescens
Impatiens palida
Cercis canadensis
Persicaria virginiana
Osmorhiza longistylis
Sanicula sp.

**Botanical Field Survey of Hays Woods, City of Pittsburgh, Allegheny Co. PA
2 June 2017**

Steve Grund, Gabryel Malone, Charles Bier

Acer rubra

Arisaema triphyllum

Thalictrum pubescens

Stellaria corei

Vitis estivales

(6)

No additional notations as party back-tracked to beginning point.