

FINAL REPORT

VEGETATION STUDY
HOPEWELL FURNACE NATIONAL HISTORIC SITE

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and

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4-28211 DI-NPS-Hopewell Village (Psuty/Russell)

Balsaminaceae
Impatiens capensis

Berberidaceae
 [Berberis thunbergii]
Podophyllum peltatum

Betulaceae
Alnus rugosa
Alnus serrulata
Betula lenta
Betula lutea
Betula nigra
Carpinus caroliniana
Corylus americana
Ostrya virginiana

Bignoniaceae
 [Campsis radicans]

Boraginaceae
Cynoglossum virginianum
 [Echium vulgare]
Myosotis laxa
 [Myosotis scorpioides]
 [Symphytum officinale]

Brassicaceae
 [Alliaria officinalis]
 [Barbarea vulgaris]
Cardamine bulbosa
Cardamine pensylvanica
Dentaria laciniata
 [Lepidium campestre]
Nasturtium microphyllum
 [Rorippa sylvestris]
 [Sisymbrium officinale]
 [Thlaspi arvense]

Callitrichaceae
Callitriche heterophylla

Campanulaceae
Campanula aparanoides
Lobelia cardinalis
Lobelia inflata
Lobelia spicata
Specularia perfoliata

Caprifoliaceae
 [Lonicera japonica]
 [Lonicera morrowii]
Sambucus canadensis
 [Symphoricarpos orbiculatus]

Viburnum acerifolium
Viburnum dentatum
Viburnum lentago
Viburnum prunifolium

Caryophyllaceae
Cerastium arvense
Cerastium nutans
 [Dianthus armeria]
 [Lychnis alba]
 [Saponaria officinalis]
 [Silene cucubalus]
Stellaria alsine
Stellaria longifolia
 [Stellaria media]
Stellaria pubera

Celastraceae
 [Celastrus orbiculatus]
Euonymus americanus

Asiatic
 Bittersweet

Ceratophyllaceae
Ceratophyllum demersum

Chenopodiaceae
 [Chenopodium album]
Chenopodium ambrosioides

Clethraceae
Clethra alnifolia

Clusiaceae
Hypericum mutilum
 [Hypericum perforatum]
Hypericum punctatum

Commelinaceae
 [Commelina communis]

Cornaceae
Cornus amomum
Cornus florida

Crassulaceae
 [Sedum telephium]

Cyperaceae
Carex albolutescens
Carex amphibola
Carex annectens
Carex artitecta
Carex atlantica
Carex blanda
Carex bromoides

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Carex cephalophora
 Carex convoluta
 Carex crinita
 Carex gracilescens
 Carex gracillima
 Carex granularis
 Carex gynandra
 Carex hirsutella
 Carex intumescens
 Carex laxiculmis
 Carex laxiflora
 Carex lupulina
 Carex lurida
 Carex normalis
 Carex pennsylvanica
 Carex prasina
 Carex rosea
 Carex scoparia
 Carex stipata
 Carex stricta
 Carex swanii
 Carex vulpinoidea
 Cyperus rivularis
 Cyperus strigosus
 Dulichium arundinaceum
 Eleocharis acicularis
 Eleocharis erythropoda
 Eleocharis obtusa
 Eleocharis tenuis
 Rhynchospora capitellata
 Scirpus atrovirens
 Scirpus cyperinus
 Scirpus expansus
 Scirpus georgianus
 Scirpus hattorianus
 Scirpus polyphyllus
 Scirpus tabernaemontanii

Dioscoreaceae
 Dioscorea villosa

Eleagnaceae
 Eleagnus umbellata

Equisetaceae
 Equisetum arvense
 Equisetum sylvaticum

Eriaceae
 Gaylussacia baccata
 Kalmia latifolia
 Lyonia ligustrina
 Rhododendron nudiflorum
 Vaccinium corymbosum
 Vaccinium stamineum
 Vaccinium vacillans

Euphorbiaceae
 Acalypha rhomboidea
 Euphorbia supina

Fabaceae
 Amphicarpa bracteata
 Cassia nictitans
 Cercis canadensis
 [Coronilla varia]
 Desmodium canescens
 Desmodium nudiflorum
 Desmodium paniculatum
 Desmodium perplexum
 Desmodium rotundifolium
 Lespedeza intermedia
 Lespedeza repens
 Lespedeza virginica
 [Lotus corniculatus]
 [Medicago lupulina]
 [Melilotus alba]
 [Melilotus officinalis]
 [Robinia pseudoacacia]
 [Trifolium pratense]
 [Trifolium procumbens]
 [Trifolium repens]

Fagaceae
 Castanea dentata
 Fagus grandifolia
 Quercus alba
 Quercus bicolor
 Quercus coccinea
 Quercus palustris
 Quercus prinus
 Quercus rubra
 Quercus velutina

Gentianaceae
 Gentiana andrewsii
 Gentiana crinita

Geraniaceae
 Geranium maculatum

Hamamelidaceae
 Hamamelis virginiana

Hydrocharitaceae
 Elodea nuttallii

Hydrophyllaceae
 Hydrophyllum virginianum

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Iridaceae

Sisyrinchium angustifolium
Sisyrinchium mucronatum

Medeola virginiana[*Ornithogalum umbellatum*]*Polygonatum biflorum**Smilacina racemosa**Smilax glauca**Smilax herbacea**Smilax rotundifolia**Smilax tamnoides**Uvularia perfoliata**Uvularia sessilifolia**Veratrum viride*

Juglandaceae

*Carya glabra**Carya laciniata**Carya ovata**Carya tomentosa**Juglans nigra*

Juncaceae

*Juncus effusus**Juncus marginatus**Juncus platyphyllus**Juncus tenuis**Juncus subcaudatus**Luzula multiflora*

Lycopodiaceae

*Lycopodium digitatum**Lycopodium obscurum*

Magnoliaceae

Liriodendron tulipifera

Lamiaceae

*Collinsonia canadensis**Cunila origanoides*[*Glechoma hederacea*][*Lamium amplexicaule*][*Lamium purpureum*]*Lycopus americanus**Lycopus virginicus**Lycopus uniflorus**Mentha arvensis*[*Mentha piperata*][*Nepetha cataria*][*Perilla frutescens*]*Pycnanthemum tenuifolium**Pycnanthemum virginianum**Salvia lyrata**Satureja vulgaris**Scutellaria elliptica**Scutellaria integrifolia**Scutellaria lateriflora*

Malvaceae

[*Hibiscus trionum*]

Moraceae

[*Broussonetia papyrifera*][*Morus alba*]

Nymphaeaceae

Nuphar lutea

Nyssaceae

Nyssa sylvatica

Oleaceae

*Fraxinus americana**Fraxinus nigra**Fraxinus pennsylvanica*[*Ligustrum obtusifolium*]

Onagraceae

*Circaea quadrisulcata**Gaura biennis**Ludwigia alternifolia**Ludwigia palustris**Oenothera biennis*

Lauraceae

*Lindera benzoin**Sassafras albidum*

Lemnaceae

Lemna minor

Liliaceae

Allium canadense[*Allium vineale*][*Asparagus officinalis*]*Erythronium americanum*[*Hemerocallis fulva*]*Maianthemum canadense*

Ophioglossaceae

*Botrychium dissectum**Botrychium oneidense**Botrychium virginianum*

Orchidaceae

*Cypripedium acaule**Goodyera pubescens**Habenaria lacera*

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Isotria verticillata	[Digitaria ischaemum]
Orchis spectabilis	[Digitaria sanguinalis]
Spiranthes cernua	[Echinochloa crusgalli]
	[Eleusine indica]
Orobanchaceae	Eragrostis spectabilis
Epifagus virginiana	[Festuca elatior]
Orobanche uniflora	Festuca obtusa
	[Festuca rubra]
Osmundaceae	Glyceria melicaria
Osmunda cinnamomea	Glyceria septentrionalis
Osmunda claytoniana	Glyceria striata
Osmunda regalis	[Holcus lanatus]
	Leersia oryzoides
Oxalidaceae	Leersia virginica
Oxalis europaea	[Lolium multiflorum]
Oxalis stricta	[Microstegium vimineum]
	Muhlenbergia schreberi
Papaveraceae	Muhlenbergia sobolifera
Sanguinaria canadensis	Panicum anceps
	Panicum clandestinum
Phrymaceae	Panicum dichotomiflorum
Phryma leptostachya	Panicum dichotomum
	Panicum lanuginosum
Phytolaccaceae	Paspalum laeve
Phytolacca americana	[Phleum pratense]
	[Poa compressa]
Pinaceae	Poa pratensis
Juniperus virginiana	Poa trivialis
Pinus rigida	[Setaria faberi]
Pinus strobus	[Setaria glauca]
Pinus virginiana	[Setaria viridis]
Tsuga canadensis	Sorghastrum nutans
	Sphenopholis intermedia
Plantaginaceae	Tridens flavus
[Plantago lanceolata]	
[Plantago major]	
Platanaceae	
Platanus occidentalis	
Poaceae	
Agrostis hyemalis	
Agrostis perennans	
Agrostis stolonifera	
Andropogon scoparius	
Andropogon virginicus	
[Anthoxanthum odoratum]	
Arrhenatherum elatius	
Brachyelytrum erectum	
[Bromus inermis]	
Cinna arundinacea	
[Dactylis glomerata]	
Danthonia compressa	
Danthonia spicata	
	Polygonaceae
	Polygonum arifolium
	[Polygonum aviculare]
	[Polygonum cespitosum]
	Polygonum pensylvanicum
	Polygonum punctatum
	Polygonum sagittatum
	Polygonum scandens
	Polygonum virginianum
	[Rumex acetosella]
	[Rumex crispus]
	[Rumex obtusifolius]
	Polypodiaceae
	Adiantum pedatum
	Asplenium platyneuron
	Athyrium felix-femina
	Athyrium thelypteroides
	Dennstaedtia punctilobula

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Dryopteris cristata
 Dryopteris intermedia
 Dryopteris marginalis
 Dryopteris spinulosa
 Onoclea sensibilis
 Polypodium virginianum
 Polystichum acrostichoides
 Pteridium aquilinum
 Thelypteris novaboracensis
 Thelypteris palustris

Portulacaceae

Claytonia virginica

Potamogetonaceae

[Potamogeton crispus]
 Potamogeton epihydrus
 Potamogeton foliosus

Primulaceae

Anagallis arvensis
 Lysimachia ciliata
 Lysimachia quadrifolia

Pyrolaceae

Chimaphila maculata
 Monotropa uniflora
 Pyrola rotundifolia

Ranunculaceae

Anemone virginiana
 Anemonella thalictroides
 Caltha palustris
 Cimicifuga racemosa
 Clematis virginiana
 Hepatica americana
 Ranunculus abortivus
 [Ranunculus bulbosus]
 Ranunculus hispidus
 Ranunculus recurvatus
 Thalictrum pubescens

Rosaceae

Agrimonia gryposepala
 Amelanchier canadense
 Fragaria virginiana
 Geum canadense
 Potentilla canadensis
 [Potentilla intermedia]
 Potentilla norvegica
 [Potentilla recta]
 Potentilla simplex
 [Prunus avium]
 Prunus serotina

Prunus virginiana
 [Pyrus malus]
 [Rosa multiflora]
 Rosa palustris
 Rubus allegheniensis
 Rubus enslenii
 Rubus hispidus
 Rubus occidentalis
 [Rubus phoenicolasius]

Rubiaceae

Cephalanthus occidentalis
 [Galium aparine]
 Galium circaezans
 Galium obtusum
 Galium triflorum
 Galium sp.
 Houstonia caerulea
 Mitchella repens

Salicaceae

Populus grandidentata
 Salix nigra

Saxifragaceae

Chrysosplenium americanum
 Heuchera americana
 Mitella diphylla
 Penthorum sedoides
 Saxifraga pensylvanica

Scrophulariaceae

[Chaenorrhinum minus]
 Chelone glabra
 Gratiola neglecta
 [Linaria vulgaris]
 Melampyrum lineare
 Mimulus alatus
 Mimulus ringens
 Pedicularis canadensis
 Pedicularis lanceolata
 [Penstemon digitalis]
 [Verbascum thapsus]
 [Verbascum blattaria]
 Veronica americana
 [Veronica arvensis]
 [Veronica officinalis]
 Veronica peregrina

Simaroubaceae

[Ailanthus altissima]

Solanaceae

Physalis subglabrata

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Sparganiaceae
Sparganium americanum

Tiliaceae
Tilia americana

Ulmaceae
Celtis occidentalis
Ulmus americana

Urticaceae
Boehmeria cylindrica
Laportea canadensis
Pilea pumila

Violaceae

Viola affinis
Viola cucullata
Viola hirsutula
Viola pallens
Viola pubescens
Viola rostrata
Viola sororia
Viola triloba

Vitaceae

Parthenocissus quinquefolia
Vitis aestivalis
Vitis labrusca
Vitis riparia
Vitis vulpina

Verbenaceae

Verbena hastata
Verbena urticifolia