

-MORR3-

VEGETATION OF THE MORRISTOWN
NATIONAL HISTORIC PARK:

ECOLOGICAL ANALYSIS AND
MANAGEMENT ALTERNATIVES

Final Report

Joan G. Ehrenfeld
Center for Coastal and Environmental Studies
Rutgers University, New Brunswick

December, 1977

U.S. Dept. of Interior
National Park Service
Contract No. CX 1600-7-0004

Species List

*92 species
✓ 100% & modified
AKH
4/2002*

APPENDIX 1. WOODY PLANTS OF THE JOCKEY HOLLOW AREA

Key to abundance and floristic codes: a = abundant; found frequently throughout the Park. c = common; abundant in some areas, absent or sparse in other areas. o = occasional; never a dominant species, but individuals scattered throughout the Park. u = uncommon; scattered clumps of individuals; r = rare; only a few individuals found; l = localized; a dominant component of the vegetation in a small number of sites. N = northern floristic affinity. S = southern floristic affinity. B = common to both northern and southern floristic regions.

PART 1. WOODY PLANTS NATIVE TO NEW JERSEY

TREES

- ✓ Acer rubrum L. Red maple (a), B
- ✓ Acer saccharum Marsh. Sugar Maple (c), B
- ✓ Amelanchier arborea (Michx. F.) Fern. Serviceberry (o), B
- ✓ Amelanchier laevis Weig. Serviceberry (o), B
- ✓ Betula lenta L. Black Birch (a), N
- ✓ - Betula lutea Michx. f. Yellow Birch (c), N
- ✓ + Betula populifolia Marsh, Gray Birch (o), B
- ✓ + Carpinus caroliniana Walt, American hornbeam (o) S
- Carya glabra (Mill.) Pignut hickory (o), B
- ✓ + Carya ovalis Sarg. Red hickory (o), B
- ✓ - Carya ovata K. Koch. Shagbark hickory (c), B
- ✓ + Carya tomentosa (Poir.) Nutt. Mockernut hickory (c), B
- ✓ - Castanea dentata (Marsh.) Barkh. American chestnut (r), B
- ✓ Cornus florida L. Flowering dogwood (a), S
- Crataegus spp. L. Hawthorne (o)
- Fagus grandifolia Ehrh. Beech (o), B
- Fraxinus americana L. White ash (c), B
- ✓ - Fraxinus nigra Marsh. Black ash (u), N
- ✓ - Fraxinus pennsylvanica Marsh. Green ash (c), B

- Juglans cinerea L. Butternut (r), N
- Juglans nigra L. Black walnut (c), B
- Juniperus virginiana L. Eastern red cedar (u), S
- Liriodendron tulipifera L. Yellow-poplar (a), B
- + Magnolia tripetala L. Umbrella magnolia (r), S
- Nyssa sylvatica Marsh. Blackgum (c), S
- + Ostrya virginiana (Mill.) K. Koch Hophornbeam (o), B
- Pinus rigida Mill. Pitch Pine (o), B
- + Pinus strobus L. White pine (o), N
- Platanus occidentalis L. American sycamore (o), B
- Populus grandidentata Michx. Bigtooth Aspen (o), B
- + Populus tremuloides Michx. Quaking Aspen (o), B
- Prunus serotina Ehrh. Black cherry(c), B
- Quercus alba L. White oak (c), B
- Quercus borealis Michx. F. Red Oak (c), B
- Quercus coccinea Muenchh. Scarlet oak (a), B
- Quercus palustris Muenchh. Pin oak (c), B
- Quercus velutina Lam. Black oak (c), B
- + Salix nigra L. Black willow (o), B
- Sassafras albidum (Nutt.) Nees. Sassafras (c), B
- Tilia americana L. Basswood (r), N
- Tsuga canadensis (L.) Carr. Hemlock (o), N
- Ulmus americana L. American elm (o), B
- + Ulmus rubra Muhl. Slippery elm (o), B

SHRUBS

- + Alnus rugosa (Du Roi) Spreng. Speckled alder (c), N
- + Alnus serrulata (Ait.) Willd. Smooth Alder (r), B
- + Corylus americana L. Hazelnut (u), B
- ✓ Hamamelis virginiana L. Witch hazel (o), B
- Ilex verticillata (L.) Gray Winterberry (o), B
- ✓ Lindera benzoin (L.) Bl. Spicebush (a), B
- ✓ - Rhododendron nudiflorum (L.) Torr. Pinxterflower (o), S
- Rhus glabra L. Smooth sumac (o), B
- ✓ + Rosa Virginiana Mill Rose (o), B
- ✓ + Rubus allegheniensis Porter Blackberry (c), B
- Rubus occidentalis L. Black Raspberry (c), B
- ✓ + Rubus strigosus Michx. Raspberry (c), N
- ✓ Sambucus canadensis L. Elderberry (c), N
- Vaccinium corymbosum L. Highbush blueberry (c), B
- Vaccinium vacillans Torr. Lowbush blueberry (c), B
- ✓ Viburnum acerifolium L. Maple leaf viburnum (o), N
- ✓ + Viburnum dentatum L. Arrow wood (r), S
- ✓ + Viburnum prunifolium L. Black haw (c), S

VINES

- ✓ + Celastrus scandens L. American bittersweet (a), B
- ✓ Parthenocissus quinquefolia L. Virginia creeper (a), B
- Rhus radicans L. Poison ivy (o), B
- Smilax glauca Walt. Catbriar (a), S
- ✓ Vitis aestivalis Michx. Summer-grape (o), S
- ✓ Vitis labrusca L. Fox-grape (a), B

PART 2. WOODY SPECIES EXOTIC TO THE U.S., INTRODUCED INTO JOCKEY HOLLOW.

TREES

- + Aesculus hippocastamm L. Horse-chestnut (l)
- + Acer palmatum Thunb. Japanese maple (r)
- Ailanthus altissima (Mill.) Swingle Ailanthus (o)
- + Castanea mollissima Bl. Chinese chestnut (r)
- Morus alba L. White mulberry (o)
- + Pawlonia tomentosa (Thunb.) Steud. Royal pawlonia (r)
- + Picea abies L. Norway spruce (u)
- Prunus avium L. Sweet cherry (u)
- + Prunus persica (L.) Patsch. Peach (u)
- + Pyrus communis L. Pear (o)
- Pyrus malus L. Apple (o)

SHRUBS

- Berberis thunbergi DC. Barberry (o) ✓
- + Berberis vulgaris L. Barberry (o) ✓
- + Euonymus alatus (Thunb.) Sieb. Winged euonymus (o)
- + Ligustrum vulgare L. Privet (o)
- + Lonicera tartarica L. Tartarian honeysuckle (c)
- + Philadelphus coronarius L. Mock-orange (r)
- + Viburnum sieboldi Miq. Sieboddviburnum (r)

VINES

- + Ampelopsis brevipedunculata (Maxim.) Trautu. Porcelain-berry (r)

PART 3. WOODY SPECIES NATIVE TO THE U.S., BUT INTRODUCED INTO JOCKEY HOLLOW.

TREES

- Abies balsamea (1.) Mill. White Fir (u)
 - Picea glauca (Noench) Voss White spruce (u)
 - Pinus resinosa Ait. Red Pine (u)
 - Pseudotsuga Menziessii (Mirb.) Franco Douglas fir (u) ✓
 - ✓ Robinia pseudo-acacia L. Black locust (c) ✓
 - ✓ Thuja occidentalis L. Arborvitae (1) ✓
- 6

10