

APPENDIX 5: PLANT SPECIES LIST

Vascular Plant Species List, E. Thompson, 1989.

<u>Scientific Name*</u>	<u>Common Name</u>
<u>Canopy:</u>	
<i>Acer rubrum</i> L.	Red maple
<i>Acer saccharum</i> Marsh.	Sugar maple
<i>Betula alleghaniensis</i> Britton	Yellow birch
<i>Fagus grandifolia</i> Ehrh.	American beech
<i>Fraxinus americana</i> L.	White ash
<i>Picea rubens</i> Sarg.	Red spruce
<i>Tilia americana</i> L.	Basswood
<u>Shrub layer:</u>	
<i>Acer pensylvanicum</i> L.	Striped maple
<i>Acer saccharum</i> Marsh.	Sugar maple
<i>Acer spicatum</i> Lam.	Mountain maple
<i>Betula alleghaniensis</i> Britton	Yellow birch
<i>Fagus grandifolia</i> Ehrh.	American beech
<i>Lonicera canadensis</i> Bartr.	Canada honeysuckle
<i>Picea rubens</i> Sarg.	Red spruce
<i>Sambucus pubens</i> Michx.	Red-berried elder
<i>Tilia americana</i> L.	Basswood
<u>Herb layer:</u>	
<i>Acer pensylvanicum</i> L.	Striped maple
<i>Acer saccharum</i> Marsh.	Sugar maple
<i>Actaea pachypoda</i> Ell.	White baneberry
<i>Actaea rubra</i> (Ait.) Willd.	Red baneberry
<i>Adiantum pedatum</i> L.	Maidenhair fern
<i>Allium tricoccum</i> Ait.	Wild leeks
<i>Aralia nudicaulis</i> L.	Wild sarsaparilla
<i>Arisaema atrorubens</i> (Ait.) Blume	Jack-in-the-pulpit
<i>Asarum canadense</i> L.	Wild ginger
<i>Aster acuminatus</i> Michx.	Whorled wood aster
<i>Aster divaricatus</i> L.	White wood aster
<i>Athyrium filix-femina</i> (L.) Roth.	Lady fern
<i>Athyrium thelypteroides</i> (Michx.) Desv.	Silvery spleenwort
<i>Carex albursina</i> Sheldon	Minnesota sedge
<i>Carex deweyana</i> Schwein.	Sedge
<i>Carex plantaginea</i> Lam.	Plantain-leaved sedge
<i>Caulophyllum thalictroides</i> (L.) Michx.	Blue cohosh
<i>Cinna latifolia</i> (Trev.) Griseb.	Wood reed
<i>Circaea alpina</i> L.	Small enchanter's nightshade
<i>Clintonia borealis</i> (Ait.) Raf.	Blue-bead lily
<i>Cystopteris fragilis</i> (L.) Bernh.	Fragile fern
<i>Dicentra canadensis</i> (Goldie) Walp.	Squirrel corn
<i>Dryopteris goldiana</i> (Hook.) Gray	Goldie's fern
<i>Dryopteris marginalis</i> (L.) Gray	Marginal wood fern
<i>Dryopteris spinulosa</i> (O. F. Muell.) Watt	Spinulose wood fern

<u>Scientific Name</u>	<u>Common Name</u>
<i>Dryopteris spinulosa</i> var. <i>intermedia</i> (Muhl.) Underw.	Intermediate wood-fern
<i>Erythronium americanum</i> Ker	Trout lily
<i>Galium asprellum</i> Michx.	Rough bedstraw
<i>Geranium robertianum</i> L.	Herb-robert
<i>Hydrophyllum virginianum</i> L.	Waterleaf
<i>Impatiens pallida</i> Nutt.	Pale touch-me-not
<i>Laportea canadensis</i> (L.) Wedd.	Wood nettle
<i>Lonicera canadensis</i> Bartr.	Canada honeysuckle
<i>Lycopodium lucidulum</i> Michx.	Shining clubmoss
<i>Maianthemum canadense</i> Desf.	Canada mayflower
<i>Medeola virginiana</i> L.	Indian cucumber-root
<i>Milium effusum</i> L.	Wood millet
<i>Mitella diphylla</i> L.	Bishop's cap
<i>Monotropa uniflora</i> L.	Indian pipe
<i>Onoclea sensibilis</i> L.	Sensitive fern
<i>Osmorhiza claytoni</i> (Michx.) C. B. Clarke	Sweet cicely
<i>Oxalis montana</i> Raf.	Mountain wood sorrel
<i>Panax quinquefolius</i> L.	Ginseng
<i>Picea rubens</i> Sarg.	Red spruce
<i>Polygonatum pubescens</i> (Willd.) Pursh	Solomon's seal
<i>Polypodium virginianum</i> L.	Rock polypody
<i>Polystichum braunii</i> (Spenner) Fee	Braun's holly fern
<i>Prenanthes</i> sp. L.	Rattlesnake-root
<i>Pteretis pensylvanica</i> (Willd.) Fern.	Ostrich fern
<i>Ranunculus abortivus</i> L.	Small buttercup
<i>Ribes cynosbati</i> L.	Prickly gooseberry
<i>Ribes hirtellum</i> Michx.	Smooth gooseberry
<i>Ribes lacustre</i> (Pers.) Poir.	Bristly black currant
<i>Sambucus pubens</i> Michx.	Red-berried elder
<i>Smilacina racemosa</i> (L.) Desf.	False solomon's seal
<i>Streptopus roseus</i> Michx.	Rose twisted stalk
<i>Tiarella cordifolia</i> L.	Foamflower
<i>Trillium erectum</i> L.	Red trillium
<i>Uvularia grandiflora</i> Sm.	Large-flowered bellwort
<i>Viola blanda</i> Willd.	White violet
<i>Viola canadensis</i> L.	Canada violet
<i>Viola renifolia</i> Gray	Kidney-leaved violet
<i>Viola rotundifolia</i> Michx.	Early yellow violet

*Nomenclature for trees follows Little (1979); for other plants it follows Fernald (1950).

APPENDIX 6: SOILS MAP AND DESCRIPTION

THE CAPE PROPOSED RNA - SOILS MAP AND DESCRIPTION

Three major soil areas were identified in the proposed Cape RNA. These soil areas are shown on the attached map, and described below.

Soil Area #1 -

Rawsonville soils, with inclusions of Hogback (10%) and Houghtonville and Mundal (25%). Moderately well-drained. Average soil depth was 35 to 40 inches. Side slopes averaged 45 to 65%. Most pH readings ranged from 4.5 to 5.8. Common plant species found: Canada violet, Virginia waterleaf, impatiens, common elderberry, maidenhair fern, Christmas fern, gooseberry, allium, stinging nettle, sweet cicely, blue cohosh, Goldies fern, jack-in-the-pulpit, wild ginger, foam flower, lady fern, wood ferns, red trillium, and sugar maple in the overstory, understory, and sapling layers.

Soil Area #2 -

A suitable soil series could not be identified. Soils are moderately well drained, and over 40 inches deep. Inclusions of somewhat poorly and poorly drained soils cover 25% of the area. Sideslopes are 15 to 25%. The upper part of the profile (A, Bhs, Bs) is much like Peru. The C horizon was somewhat compacted, but not a Cd horizon. Mottling began at 22 inches. At 35 to 40 inches, the C was influenced by calcareous material, with a pH of 7.5. Common plant species: sugar maple and paper birch in the overstory; sugar maple and juneberry in the sapling layer; sugar maple, beech, black cherry, yellow birch, red spruce seedlings; wood ferns, carex, Canada mayflower, wood strawberry, sensitive fern, lady fern, striped maple, sessile bellwort, wild lettuce, cinnamon fern, New York fern, Indian pipe, jack-in-the-pulpit, and false Solomon seal.

Soil Area #3 -

Tunbridge soils; inclusions of Berkshire (20%). Slopes ranged from 15 to 70%. Small rocky knolls occur in the eastern half of this area. Well drained, except moderately well drained next to the stream. Common vegetation: beech, yellow birch and sugar maple in the overstory; hobblebush, sugar maple, beech, red spruce in understory; woodferns, painted trillium, wild sarsaparilla, Clintonia, wood sorrel, false Solomon seal.

N.Burt, with field assistance by Martha Mitchell and Marie Louise Smith. 8/13/92