

## Appendix B



USFWS

*Seabeach sandwort (Arenaria peploides)*

## **Plant Species Known or Suspected on Monomoy National Wildlife Refuge**

**Table B.1. Plant Species Known or Suspected on Monomoy National Wildlife Refuge (NWR).**

Family – Genus Species	MA Status <sup>1</sup>	Global Rarity Rank <sup>2</sup>	MA Rarity Rank <sup>3</sup>	Refuge Status	Synonyms
<b>Horsetail – Equisetaceae</b>					
<i>Equisetum arvense</i> L.	-	G5	S5	Rare	
<b>Club-moss – Lycopodiaceae</b>					
<i>Lycopodium inundatum</i> L.	-	G5	S5	Occasional	
<i>Lycopodium inundatum</i> L. var. <i>bigelovii</i> Tuckerm	-	-	S4	Occasional	
<b>Adder's tongue – Ophioglossaceae</b>					
<i>Ophioglossum vulgatum</i> L.	T	G5	S2	Rare	
<b>Royal fern – Osmundaceae</b>					
<i>Osmunda regalis</i> L.	-	G5	S5	Common	
<i>Osmunda cinnamomea</i> L.	-	G5	S5	Common	
<b>Wood fern – Dryopteridaceae</b>					
<i>Onoclea sensibilis</i> L.	-	G5	SNA	Common	
<i>Dryopteris carthusiana</i> (Vill.) H.P.Fuchs	-	G5	S4	Rare	<i>Dryopteris spinulosa</i> var. <i>intermedia</i>
<b>Thelypteroid fern – Thelypteridaceae</b>					
<i>Thelypteris palustris</i> Schott var. <i>pubescens</i> (Lawson) Fernald	-	G5T5	S5	Abundant	<i>Dryopteris thelypteris</i> (L.) Gray var. <i>pubescens</i>
<b>Pine – Pinaceae</b>					
<i>Pinus resinosa</i> *	WL	G5	S2S3	Cultivated	
<i>Pinus sylvestris</i> L.*	-	GNR	SNR	Cultivated	
<i>Pinus rigida</i> Mill.	-	G5	S5	Occasional	
<i>Pinus thunbergii</i> Parl.*	-	GNR	SNR	Cultivated	
<i>Juniperus virginiana</i> L.	-	G5	S5	Occasional	
<b>Arrow-grass – Juncaginaceae</b>					
<i>Triglochin maritima</i> L.	-	G5	S4	Abundant	
<b>Eel-grass – Zosteraceae</b>					
<i>Zostera marina</i> L. var. <i>stenophylla</i> Aschers. & Graebn.	-	G5	S5	Abundant	
<i>Potamogeton pectinatus</i> L.	-	G5	S4	Abundant	<i>Stuckenia pectinata</i> (L.) Boerner
<i>Potamogeton perfoliatus</i> L. var. <i>bupleuroides</i>	-	G5	S5	-	
<i>Ruppia maritima</i> L.	-	G5	S4S5	Occasional	
<b>Duckweed – Lemnaceae</b>					
<i>Spirodela polyrrhiza</i> (L.) Schleid.	-	G5	S5	Common	
<b>Sedge – Cyperaceae</b>					
<i>Cyperus diandrus</i> Torr.	-	G5	S5	-	
<i>Cyperus filicinus</i> Vahl	-	G5	S4	Occasional	
<i>Cyperus strigosus</i> L.	-	G5	S5	Occasional	
<i>Cyperus grayi</i> Torr.	-	G5	S4	Occasional	

Plant Species Known or Suspected on Monomoy National Wildlife Refuge

Family – Genus Species	MA Status <sup>1</sup>	Global Rarity Rank <sup>2</sup>	MA Rarity Rank <sup>3</sup>	Refuge Status	Synonyms
<i>Cyperus lupulinus</i> (Spreng.) Marcks	-	G5T5	S5	Occasional	<i>Cyperus filiculmis</i> Vahl
<i>Eleocharis parvula</i> (R. & S.) Link	-	G5	S4	Common	
<i>Eleocharis halophia</i> Fern & Brack.	-	G4	S4	Common	
<i>Eleocharis tenuis</i> (Willd.) Schultes	-	G5	S5	Rare	
<i>Scirpus americanus</i> Pers.	-	G5	S4	Common	
<i>Schoenoplectus tabernaemontani</i> (C.C. Gmel.) Palla	-	G5	S5	Occasional	<i>Scirpus validus</i> Vahl
<i>Schoenoplectus robustus</i> (Pursh) M.T. Strong	-	G5	S5	Rare	<i>Scirpus robustus</i> (Pursh); <i>Bolboschoenus robustus</i> (Pursh)
<i>Schoenoplectus maritimus</i> (L.) Lye	-	G5	S5	-	<i>Scirpus paludosus</i> Nelson
<i>Scirpus cyperinus</i> (L.) Kunth	-	G5	S5	Common	
<i>Eriophorum virginicum</i> L.	-	G5	S5	Occasional	
<i>Rhynchospora capitellata</i> (Michx.) Vahl	-	G5	S5	Occasional	
<i>Carex canescens</i> L.	-	G5	S4	Occasional	
<i>Carex atlantica</i> Bailey	-	G5	S5	Occasional	
<i>Carex seorsa</i> Howe	-	G4	S4	Unk. Loc.	
<i>Carex scoparia</i> Schkuhr	-	G5	S5	Unk. Loc.	
<i>Carex albolutescens</i> Schwein.	-	G5	S3?	Occasional	
<i>Carex longii</i> Mackenz.	-	G5	S4	Occasional	
<i>Carex silicea</i> Olney	-	G5	S4	Common	
<i>Carex hormathodes</i> Fern.	-	G4G5	S5	Occasional	
<i>Carex debilis</i> Michx. var. <i>rudgei</i> Bailey	-	G5T5	S5	Rare	
<i>Carex comosa</i> Boott	-	G5	S5	Rare	
<i>Carex lurida</i> Wahlenb.	-	G5	S5	Occasional	
<b>Grass – Poacea (Gramineae)</b>					
<i>Bromus tectorum</i> L.	-	GNR	SNA	Occasional	
<i>Festuca rubra</i> L.*	-	G5	SNA	Common	
<i>Puccinellia maritima</i> (Hudson) Parl.	-	GNR	S4	Rare	
<i>Eragrostis pilosa</i> L. Beauv.*	-	G4	SNA	-	
<i>Distichlis spicata</i> L. Greene	-	G5	S5	Common	
<i>Phragmites australis</i> *	I	G5	SNA	Common	
<i>Thinopyrum pycnanthum</i> *	-	GNR	SNA	Common	<i>Agropyron pungens</i> (Pers.) R. & S.
<i>Elymus repens</i> (L.) Gould*	-	GNR	SNA	Occasional	<i>Agropyron repens</i> (L.) Beauv.
<i>Elymus virginicus</i> L. var. <i>halophilus</i> (Bickn.) Wieg.	-	G5T5	S4	Rare	
<i>Aira caryophyllea</i> L.*	-	GNR	SNA	Rare	
<i>Danthonia spicata</i> (L.) Beauv.	-	G5	S5	Rare	
<i>Ammophila breviligulata</i> Fern.	-	G5	S4	Abundant	
<i>Agrostis stolonifera</i> L.	-	G5	S5	-	
<i>Agrostis capillaris</i> L.*	-	GNR	SNA	-	

Plant Species Known or Suspected on Monomoy National Wildlife Refuge

Family – Genus Species	MA Status <sup>1</sup>	Global Rarity Rank <sup>2</sup>	MA Rarity Rank <sup>3</sup>	Refuge Status	Synonyms
<i>Agrostis hyemalis</i> (Walt.) BSP.	-	G5	S4	Occasional	
<i>Agrostis scabra</i> Willd.	-	G5	S5	Occasional	
<i>Spartina alterniflora</i> Loisel.	-	G5	S5	Abundant	
<i>Spartina patens</i> (Ait.) Muhl.	-	G5	S5	Abundant	
<i>Leersia oryzoides</i> (L.) Sw.	-	G5	S5	Rare	
<i>Digitaria sanguinalis</i> (L.) Scop.*	-	G5	SNA	Rare	
<i>Panicum dichotomiflorum</i> Michx.	-	G5	S5	Occasional	
<i>Panicum virgatum</i> L.	-	G5	S5	Abundant	
<i>Dichanthelium meridionale</i> (Ashe) Freckmann	-	G5	S4	Common	<i>Panicum meridionale</i> Ashe
<i>Dichanthelium acuminatum</i> (Sw.) Gould & C.A. Clark var. <i>fasciculatum</i> (Torr.) Freckmann	-	G5T5	S5	-	<i>Panicum lanuginosum</i> Ell. var. <i>implicatum</i> (Scribn.) Fern
<i>Dichanthelium clandestinum</i> (L.) Gould	-	G5?	S5	Rare	<i>Panicum clandestinum</i> L.
<i>Schizachyrium scoparium</i> (Michx.) Nash	-	G5	S5	Common	<i>Andropogon scoparius</i> Michx.
<i>Andropogon virginicus</i> L. var. <i>virginicus</i>	-	G5T5	S4	Occasional	
<i>Andropogon virginicus</i> L. var. <i>abbreviatus</i> (Hack.) Fern. & Griscom	-	G5	S4	Occasional	
<b>Rush – Juncaceae</b>					
<i>Juncus ambiguus</i> Guss.	WL	G5	S1?	Occasional	<i>Juncus bufonius</i> L. var. <i>halophilus</i> Buchenau and Fern.
<i>Juncus gerardii</i> Loisel.	-	G5	S5	Abundant	
<i>Juncus tenuis</i> Willd.	-	G5	S5	Rare	
<i>Juncus dichotomus</i> Ell.	-	G5	S4	Common	
<i>Juncus greenei</i> Oakes and Tuckerm.	-	G5	S5	Common	
<i>Juncus effusus</i> L.*	-	G5	SNA	Abundant	
<i>Juncus arcticus</i> Willd. ssp. <i>littoralis</i> (Engelm.) Hultén	-	G5	S4	Occasional	<i>Juncus balticus</i> Willd.
<i>Juncus canadensis</i> J. Gay	-	G5	S5	Occasional	
<i>Juncus subcaudatus</i> (Engelm.) Coville and Blake	-	G5	-	Occasional	
<i>Juncus acuminatus</i> Michx.	-	G5	S5	Common	
<i>Juncus articulatus</i> L.	-	G5	S5	Rare	
<i>Luzula multiflora</i> (Retz.) LeJeune	-	G5	S5	Rare	
<b>Cat-tail – Typhaceae</b>					
<i>Typha angustifolia</i> L.	-	G5	S5	Abundant	
<b>Iris – Iridaceae</b>					
<i>Sisyrinchium angustifolium</i> Mill.	-	G5	S4	Occasional	
<i>Iris prismatica</i> Pursh	-	G4G5	S4	Rare	
<i>Iris versicolor</i> L.	-	G5	S5	Abundant	
<b>Lily – Liliaceae</b>					
<i>Smilacina stellata</i> (L.) Desf.	-	G5	S4	Rare	<i>Maianthemum stellatum</i> (L.) Link
<i>Smilax rotundifolia</i> L.	-	G5	S5	Rare	

Plant Species Known or Suspected on Monomoy National Wildlife Refuge

Family – Genus Species	MA Status <sup>1</sup>	Global Rarity Rank <sup>2</sup>	MA Rarity Rank <sup>3</sup>	Refuge Status	Synonyms
<b>Orchid – Orchidaceae</b>					
<i>Habenaria lacera</i> (Michx.) Lodd.	-	G5	S4	Rare	<i>Platanthera lacera</i> (Michaux) G. Don
<i>Pogonia ophioglossoides</i> (L.) Ker	-	G5	S5	Occasional	
<i>Spiranthes cernua</i> (L.) Richard	-	G5	S5	Occasional	
<b>Aster – Asteraceae (Compositae)</b>					
<i>Eupatorium dubium</i> Willd.	-	G5	S5	Occasional	<i>Eutrochium dubium</i> (Willd. ex Poir.) E.E. Lamont
<i>Eupatorium perfoliatum</i> L.	-	G5	S5	Rare	
<i>Pityopsis falcata</i> (Pursh) Nutt.	-	G3G4	S4	Abundant	<i>Chrysopsis falcata</i> (Pursh) Ell.
<i>Solidago sempervirens</i> L.	-	G5	S5	Abundant	
<i>Solidago rugosa</i> Ait.	-	G5	S4	Rare	
<i>Euthamia galetorum</i> Greene	-	G5	S5	Common	<i>Solidago graminifolia</i> (L.) Salisb.; <i>Euthamia graminifolia</i> (L.) Nutt.
<i>Euthamia caroliniana</i> (L.) Greene ex Porter & Britton	-	G5	S5	Common	<i>Solidago tenuifolia</i> Pursh
<i>Symphotrichum pilosum</i> (Willd.) G.L. Nesom var. <i>pringlei</i> (A. Gray) G.L. Nesom	-	G5T5	S5	Rare	<i>Aster pilosus</i> Willd. var. <i>demotus</i> Blake
<i>Symphotrichum ericoides</i> (L.) G.L. Nesom var. <i>ericoides</i>	-	G5	S5	Rare	<i>Aster ericoides</i> L.
<i>Symphotrichum dumosum</i> (L.) G.L. Nesom var. <i>dumosum</i>	-	G5T3T5	S5	Rare	<i>Aster dumosus</i> L.
<i>Symphotrichum novi-belgii</i> (L.) G.L. Nesom var. <i>novi-belgii</i>	-	G5	S5	Occasional	<i>Aster novi-belgii</i> L.
<i>Ionactis linariifolius</i> (L.) Greene	-	G5	S5	Occasional	<i>Aster linariifolius</i> L.
<i>Symphotrichum subulatum</i> (Michx.) G.L. Nesom	-	G5	S4	Occasional	<i>Aster subulatus</i> Michx.
<i>Conyza canadensis</i> (L.) Cronquist var. <i>canadensis</i>	-	G5	S5	Rare	<i>Erigeron canadensis</i> L.
<i>Conyza canadensis</i> (L.) Cronquist var. <i>pusilla</i> (Nutt.) Cronquist	-	G5T5	S5	Common	<i>Erigeron pusillus</i> Nutt.
<i>Baccharis halimifolia</i> L.	-	G5	S4	Common	
<i>Pluchea odorata</i> (L.) Cass. var. <i>odorata</i>	-	G5T5	S4	Common	<i>Pluchea purpurascens</i> (Sw.) DC.
<i>Anaphalis margaritacea</i> (L.) C. B. Clarke	-	G5	S5	Unk. Loc.	
<i>Pseudognaphalium obtusifolium</i> (L.)	-	G5	S5	Common	<i>Gnaphalium obtusifolium</i> L.
<i>Iva frutescens</i> L.	-	G5	S4	Occasional	
<i>Ambrosia artemisiifolia</i> L.	-	G5	S5	Occasional	
<i>Xanthium strumarium</i> L. var. <i>glabratum</i> (DC.) Cronquist	-	G5T5?	S4	Unk. Loc.	<i>Xanthium chinense</i> Mills.
<i>Xanthium strumarium</i> L.	-	G5	-	Common	
<i>Xanthium strumarium</i> L. var. <i>canadense</i> (Mill.) Torr. & A. Gray	-	G5T5	S5	-	<i>Xanthium echinatum</i> Murr.
<i>Bidens cernua</i> L.	-	G5	S5	Common	
<i>Bidens frondosa</i> L.	-	G5	S5	Occasional	
<i>Achillea millefolium</i> L.*	-	G5	SNA	Occasional	

Family – Genus Species	MA Status <sup>1</sup>	Global Rarity Rank <sup>2</sup>	MA Rarity Rank <sup>3</sup>	Refuge Status	Synonyms
<i>Leucanthemum vulgare</i> Lam.*	-	GNR	SNA	Rare	<i>Chrysanthemum leucanthemum</i> L.
<i>Artemisia campestris</i> L. ssp. <i>caudata</i> (Michx.) H.M. Hall & Clem.	-	G5T5	S4	Occasional	<i>Artemisia caudata</i> Michx.
<i>Artemisia stelleriana</i> Bess.*	-	G4?	SNA	Common	
<i>Erechtites hieracifolia</i> (L.) Raf.	-	G5	S5	Rare	
<i>Senecio vulgaris</i> L.*	-	GNR	SNA	Rare	
<i>Cirsium vulgare</i> (Savi) Tenore*	-	GNR	SNA	Common	
<i>Cirsium arvense</i> (L.) Scop.*	-	GNR	SNA	Rare	
<i>Cichorium intybus</i> L.*	-	GNR	SNA	Rare	
<i>Hypochaeris radicata</i> L.*	-	GNR	SNA	Occasional	
<i>Taraxacum officinale</i> Weber*	-	G5	SNA	Occasional	
<i>Sonchus arvensis</i> L.*	-	GNR	SNA	Rare	
<i>Sonchus asper</i> (L.) Hill*	-	GNR	SNA	Occasional	
<i>Lactuca canadensis</i> L. var. <i>latifolia</i> Ktze.	-	G5	S5	Occasional	
<i>Lactuca biennis</i> (Moench) Fern.	-	G5	S5	Rare	
<i>Hieracium florentinum</i> All.*	-	GNR	SNA	Common	<i>Hieracium piloselloides</i> Vill.
<b>Honeysuckle – Caprifoliaceae</b>					
<i>Lonicera morrowii</i> A. Gray*	I	GNR	SNA	Rare	
<i>Viburnum dentatum</i> L.	-	G5	S5	Occasional	
<i>Viburnum recognitum</i> Fern.	-	G4G5	S5	Occasional	
<b>Gentian – Gentianaceae</b>					
<i>Bartonia virginica</i> (L.) BSP.	-	G5	S4	Rare	
<b>Mint – Lamiaceae (Labiatae)</b>					
<i>Teucrium canadense</i> L.	-	G5	S4	Abundant	
<i>Scutellaria galericulata</i> L.	-	G5	S5	Common	<i>Scutellaria epilobiifolia</i> A. Hamilton
<i>Scutellaria x churchilliana</i> Fern.	-	GNA	-	Common	
<i>Lycopus virginicus</i> L.	-	G5	S5	Rare	
<i>Lycopus uniflorus</i> Michx.	-	G5	S5	Common	
<i>Lycopus americanus</i> Muhl.	-	G5	S5	Common	
<b>Plantain – Plantaginaceae</b>					
<i>Plantago major</i> L.*	-	G5	SNA	Rare	
<i>Plantago maritima</i> L. var. <i>juncooides</i> (Lam.) A. Gray	-	G5T5	S4S5	Occasional	<i>Plantago oliganthos</i> E. & S.
<i>Plantago lanceolata</i> L.*	-	G5	SNA	Occasional	
<b>Madder – Rubiaceae</b>					
<i>Galium trifidum</i> L.	-	G5	-	Abundant	
<b>Figwort – Scrophulariaceae</b>					
<i>Verbascum thapsus</i> L.*	-	GNR	SNA	Occasional	
<i>Linaria vulgaris</i> Hill*	-	GNR	SNA	Occasional	

Plant Species Known or Suspected on Monomoy National Wildlife Refuge

Family – Genus Species	MA Status <sup>1</sup>	Global Rarity Rank <sup>2</sup>	MA Rarity Rank <sup>3</sup>	Refuge Status	Synonyms
<i>Nuttallanthus canadensis</i> (L.) D.A. Sutton	-	G5	S5	Common	<i>Linaria canadensis</i> (L.) Dumont
<i>Limosella australis</i> R. Br.	-	G4G5	S4	Common	<i>Limosella subulata</i> Ives
<i>Lindernia dubia</i> (L.) Pennell var. <i>anagallidea</i> (Michx.) Cooperr.	-	G5T4	S5	Occasional	<i>Lindernia anagallidea</i> (Michx.) Pennell
<i>Veronica arvensis</i> L.*	-	GNR	SNA	Rare	
<i>Gerardia purpurea</i> L.	-	G5	S4	Common	
<i>Agalinis tenuifolia</i> (Vahl) Raf.	-	G5	S4	Common	
<b>Morning Glory – Convolvulaceae</b>					
<i>Calystegia sepium</i> (L.) R. Br. ssp. <i>sepium</i> *	-	G5TU	SNA	Common	<i>Convolvulus sepium</i> L.
<i>Cuscuta compacta</i> Juss.	-	G5	S4	Occasional	
<b>Potato – Solanaceae</b>					
<i>Solanum dulcamara</i> L.*	-	GNR	SNA	Occasional	
<i>Solanum americanum</i> Mill.	-	G5	S4S5	Occasional	
<i>Solanum lycopersicum</i> L.*	-	GNR	SNA	Rare	<i>Lycopersicum esculentum</i> Mill.
<b>Fig-marigold – Aizoaceae</b>					
<i>Mollugo verticillata</i> L.*	-	GNR	SNA	Occasional	
<b>Pink – Caryophyllaceae</b>					
<i>Spergularia salina</i> J. Presl & C. Presl	-	G5	S4	Occasional	<i>Spergularia marina</i> (L.) Griseb.
<i>Honckenya peploides</i> (L.) Ehrh. ssp. <i>diffusa</i> (Hornem.) Hultén	-	G5T5	S4	Common	<i>Arenaria peploides</i> L.
<i>Stellaria media</i> (L.) Cyrillo*	-	GNR	SNA	Occasional	
<i>Cerastium fontanum</i> Baumg. ssp. <i>vulgare</i> (Hartm.) Greuter & Burdet*	-	GNRTNR	SNA	Occasional	<i>Cerastium vulgatum</i> L. 1762, non 1755
<i>Dianthus armeria</i> L.*	-	GNR	SNA	Rare	
<b>Goosefoot – Chenopodiaceae</b>					
<i>Atriplex patula</i> L. var. <i>hastata</i> (L.) Gray*	-	G5	SNA	Common	
<i>Atriplex cristata</i> Humb. & Bonpl. ex Willd.	-	G5	S4	Common	<i>Atriplex arenaria</i> Nutt.
<i>Salicornia bigelovii</i> Torr.	-	G5	S4	Occasional	
<i>Salicornia maritima</i> Wolff & Jefferies	-	G5	S5	Common	<i>Salicornia europaea</i> L.
<i>Salicornia virginica</i> L.	-	G5	S5	Occasional	
<i>Suaeda maritima</i> (L.) Dumort.	-	G5	S4	Common	
<i>Suaeda maritima</i> (L.) Dumort. ssp. <i>richii</i> (Fernald) Bassett & C.W. Crompton	WL	G5T3	S2S3	Occasional	<i>Suaeda richii</i> Fern.
<i>Suaeda calceoliformis</i> (Hook.) Moq.	SC	G5	S2S3	Rare	<i>Suaeda americana</i> (Pers.) Fern.
<i>Suaeda linearis</i> (Ell.) Moq.	-	G5	S4	Rare	
<i>Salsola kali</i> L.	-	GNR	S4	Common	
<b>Pokeweed – Phytolaccaeae</b>					
<i>Phytolacca americana</i> L.	-	G5	S5	Occasional	
<b>Leadwort – Plumbaginaceae</b>					
<i>Limonium carolinianum</i> (Walt.) Britt.	-	G5	S4	Abundant	<i>Limonium nashii</i> Small

Family – Genus Species	MA Status <sup>1</sup>	Global Rarity Rank <sup>2</sup>	MA Rarity Rank <sup>3</sup>	Refuge Status	Synonyms
<b>Buckwheat – Polygonaceae</b>					
<i>Rumex crispus</i> L.*	-	GNR	SNA	Common	
<i>Rumex acetosella</i> L.*	-	GNR	SNA	Abundant	
<i>Polygonum glaucum</i> Nutt.	SC	G3	S3	Rare	
<i>Polygonum pensylvanicum</i> L. var. <i>nesophilum</i> Fern.	-	G5	S5	Occasional	
<i>Polygonum persicaria</i> L.*	-	G3G5	SNA	-	
<i>Polygonum punctatum</i> Ell. var. <i>leptostachyum</i> (Meisn.) Small	-	G5	S5	Common	
<i>Polygonum hydropiperoides</i> Michx.	-	G5	S5	Abundant	
<i>Polygonum scandens</i> L.	-	G5	S5	Occasional	<i>Fallopia scandens</i> (L.) Holub
<i>Polygonella articulata</i> (L.) Meisn.	-	G5	S4	Occasional	
<b>Mustard – Brassicaceae (Cruciferae)</b>					
<i>Draba verna</i> L.*	-	GNR	SNA	Occasional	
<i>Lepidium campestre</i> (L.) R. Br.*	-	GNR	SNA	Occasional	
<i>Lepidium virginicum</i> L.	-	G5	S5	Common	
<i>Cakile edentula</i> (Bigel.) Hook.	-	G5	S4S5	Common	
<i>Raphanus raphanistrum</i> L.*	-	GNR	SNA	Occasional	
<i>Barbarea vulgaris</i> R. Br.*	-	GNR	SNA	Occasional	
<b>Clethra – Clethraceae</b>					
<i>Clethra alnifolia</i> L.	-	G5	S5	Occasional	
<b>Heath – Ericaceae</b>					
<i>Kalmia angustifolia</i> L.	-	G5	S5	Occasional	
<i>Lyonia ligustrina</i> (L.) DC.	-	G5	S5	Occasional	
<i>Arctostaphylos uva-ursi</i> (L.) Spreng.	-	G5	S5	Unk. Loc.	
<i>Gaylussacia baccata</i> (Wang.) K. Koch	-	G5	S5	Rare	
<i>Vaccinium corymbosum</i> L.	-	G5	S5	Occasional	
<i>Vaccinium angustifolium</i> Ait.	-	G5	S5	Occasional	
<i>Vaccinium macrocarpon</i> Ait.	-	G4	S5	Occasional	
<b>Mallow – Malvaceae</b>					
<i>Hibiscus moscheutos</i> L.	-	G5	S4	Common	<i>Hibiscus palustris</i> L.
<b>Sundew – Droseraceae</b>					
<i>Drosera rotundifolia</i> L.	-	G5	S4S5	Occasional	
<b>Primrose – Primulaceae</b>					
<i>Lysimachia terrestris</i> (L.) BSP.	-	G5	S5	Occasional	
<i>Trientalis borealis</i> Raf.	-	G5	S5	Rare	
<b>Willow – Salicaceae</b>					
<i>Salix nigra</i> Marsh.	-	G5	S5	Rare	
<i>Salix bebbiana</i> Sarg.	-	G5	S5	Occasional	
<i>Salix discolor</i> Muhl.	-	G5	S5	Occasional	



Plant Species Known or Suspected on Monomoy National Wildlife Refuge

Family – Genus Species	MA Status <sup>1</sup>	Global Rarity Rank <sup>2</sup>	MA Rarity Rank <sup>3</sup>	Refuge Status	Synonyms
<b>Mangosteen – Clusiaceae (Guttiferae)</b>					
<i>Hypericum boreale</i> (Britt.) Bickn.	-	G5	S5	Common	
<i>Hypericum canadense</i> L.	-	G5	S5	Rare	
<i>Triadenum virginicum</i> (L.) Raf.	-	G5	S5	Abundant	<i>Hypericum virginicum</i> L.
<b>Rock-rose – Cistaceae</b>					
<i>Hudsonia tomentosa</i> Nutt.	-	G5	S4	Abundant	
<i>Lechea villosa</i> Ell.	-	G5	S5	Occasional	
<i>Lechea maritima</i> Leggett	-	G5	S5	Common	
<b>Cucumber – Cucurbitaceae</b>					
<i>Cucurbita pepo</i> L.*	-	G4G5	SNA	Rare	
<b>Violet – Violaceae</b>					
<i>Viola macloskeyi</i> Lloyd ssp. <i>pallens</i> (Banks ex Ging) M.S. Baker	-	G5T5	S5	Unk. Loc.	<i>Viola pallens</i> (Banks) Brainerd
<i>Viola lanceolata</i> L.	-	G5	S5	Occasional	
<b>Birch – Betulaceae</b>					
<i>Betula populifolia</i> Marsh.	-	G5	S5	Rare	
<b>Beech – Fagaceae</b>					
<i>Quercus ilicifolia</i> Wang.	-	G5	S5	Rare	
<b>Bayberry – Myricaceae</b>					
<i>Morella pensylvanica</i> (Mirb.) Kartesz	-	G5	S5	Abundant	<i>Myrica pensylvanica</i> Loisel.
<i>Myrica gale</i> L.	-	G5	S5	Rare	
<b>Homwort – Ceratophyllaceae</b>					
<i>Ceratophyllum demersum</i> L.	-	G5	S5	Common	
<b>Water-lily – Nymphaeaceae</b>					
<i>Nymphaea odorata</i> Ait.	-	G5	S5	Common	
<b>Poppy – Papaveraceae</b>					
<i>Glaucium flavum</i> Crantz*	I	GNR	SNA	Rare	
<b>Carrot – Apaceae (Umbelliferae)</b>					
<i>Ptilimnium capillaceum</i> (Michx.) Raf.	-	G5	S4	Abundant	
<i>Ligusticum scothicum</i> L.	-	G5	S4	Occasional	
<i>Daucus carota</i> L.*	-	GNR	SNA	Rare	
<b>Holly – Aquifoliaceae</b>					
<i>Ilex opaca</i> Ait.	-	G5	S4	Cultivated	
<i>Ilex verticillata</i> (L.) Gray	-	G5	S5	Occasional	
<b>Spurge – Euphorbiaceae</b>					
<i>Euphorbia cyparissias</i> L.*	L	G5	SNA	Rare	
<i>Chamaesyce polygonifolia</i> (L.) Small	-	G5?	S4	Common	<i>Euphorbia polygonifolia</i> L.

Family – Genus Species	MA Status <sup>1</sup>	Global Rarity Rank <sup>2</sup>	MA Rarity Rank <sup>3</sup>	Refuge Status	Synonyms
<b>Pea – Fabaceae (Leguminosa)</b>					
<i>Trifolium arvense</i> L.*	-	GNR	SNA	Unk. Loc	
<i>Trifolium repens</i> L.*	-	GNR	SNA	Unk. Loc	
<i>Trifolium aureum</i> Pollich*	-	GNR	SNA	Unk. Loc	<i>Trifolium agrarium</i> L.
<i>Lathyrus japonicus</i> Willd.	-	G5	S4S5	Abundant	
<b>Wood-sorrel – Oxalidaceae</b>					
<i>Oxalis stricta</i> L.	-	G5	S5	Rare	
<b>Flax – Linaceae</b>					
<i>Linum striatum</i> Walt. var. <i>multijugum</i> Fern.	WL	G5	S2S3	Occasional	
<b>Loosestrife – Lythraceae</b>					
<i>Decodon verticillatus</i> (L.) Ell.	-	G5	S5	Common	
<i>Decodon salicaria</i> L.*	I	G5	SNA	Rare	<i>Lythrum salicaria</i> L.
<b>Evening primrose – Onagraceae</b>					
<i>Ludwigia palustris</i> (L.) Ell. var. <i>americana</i> (DC) Fern. & Griscom	-	G5	S5	Common	
<i>Epilobium leptophyllum</i> Raf.	-	G5	S4S5	Occasional	
<i>Epilobium ciliatum</i> Raf. ssp. <i>ciliatum</i>	-	G5T5	S5	Occasional	<i>Epilobium glandulosum</i> Lehm. var. <i>adenocaulon</i> (Hausk.) Fern.
<i>Oenothera biennis</i> L.	-	G5	S5	Occasional	
<i>Oenothera parviflora</i> L.	-	G4?	S4	Common	
<i>Oenothera perennis</i> L.	-	G5	S5	Occasional	
<b>Oleaster – Elaeagnaceae</b>					
<i>Elaeagnus umbellata</i> Thunb.*	I	GNR	SNA	Cultivated	
<b>Rose – Rosaceae</b>					
<i>Spiraea tomentosa</i> L.	-	G5	S4	Common	
<i>Pyrus communis</i> L.*	-	G5	SNA	Cultivated	
<i>Photinia pyrifolia</i> (Lam.) K.R. Robertson & Phipps	-	G4G5Q	S4S5	Rare	<i>Pyrus arbutifolia</i> (L.) L. f.
<i>Amelanchier canadensis</i> (L.) Medic.	-	G5	S5	Occasional	
<i>Potentilla norvegica</i> L.	-	G5	S5	Occasional	
<i>Potentilla simplex</i> Michx.	-	G5	S5	Occasional	
<i>Argentina egedii</i> (Wormsk.) Rydb. ssp. <i>groenlandica</i> (Tratt.) A. Löve	-	G5T4T5	S4	Rare	<i>Potentilla egedii</i> Wormsk. var. <i>groenlandica</i> (Tratt.) Polunin
<i>Rubus idaeus</i> L. var. <i>strigosus</i> (Michx.) Maxim	-	G5T5	S5	Occasional	
<i>Rubus hispidus</i> L.	-	G5	S5	Common	
<i>Rubus pensilvanicus</i> Poir.	-	G5	S5	Occasional	
<i>Rosa virginiana</i> Mill.	-	G5	S5	Occasional	
<i>Rosa carolina</i> L.	-	G5	S5	Rare	
<i>Rosa rugosa</i> Thumb.*	-	GNR	SNA	Common	

Family – Genus Species	MA Status <sup>1</sup>	Global Rarity Rank <sup>2</sup>	MA Rarity Rank <sup>3</sup>	Refuge Status	Synonyms
<i>Prunus maritima</i> Marsh.	-	G4	S4	Common	
<i>Prunus persica</i> (L.) Batsch*	-	G5	SNA	Cultivated	
<i>Prunus serotina</i> Ehrh.	-	G5	S5	Occasional	
<b>Sumac – Anacardiaceae</b>					
<i>Toxicodendron radicans</i> (L.) Kuntze	-	G5	S5	Abundant	<i>Rhus radicans</i> L.

Source: Data compiled from the 1965 Plant List of Monomoy National Wildlife Refuge, the Flora of Monomoy Island, Massachusetts from 1969, and Additions to the Flora of Monomoy Island from 1985.

\* = Introduced to Barnstable County. (Introduced species identified in “The Vascular Plants of Massachusetts: A County Checklist.” Each introduced species has an \* at the end of the plant name. The introduced species are defined by county on the right side of the county checklist.)

<sup>1</sup> Federal and State Legal Status Codes (under Federal and Massachusetts Endangered Species Lists):  
E=Endangered; T=Threatened; SC=State species of Special Concern; WL=Watch List; H=Historic;  
I=Invasive; L=Likely Invasive; P=Potentially Invasive.

<sup>2</sup> NatureServe Global Conservation Status Ranks: G1=Critically Imperiled; G2=Imperiled; G3=Vulnerable;  
G4=Apparently Secure; G5=Secure; GNR=Unranked; G#G# = Range Rank (range of uncertainty about  
exact status); T# = Intraspecific Taxon; ? = Inexact Numeric Rank; Q=Questionable Taxonomy.

<sup>3</sup> Massachusetts State Rarity Ranks: S1=Critically Imperiled; S2=Imperiled; S3=Vulnerable; S4=Apparently  
Secure; S5=Secure; SNR=Unranked; SX=Presumed Extirpated; SH=Historical; SNA=Not Applicable.

## Literature Cited

- Bailey, W. 1965. Plant List of Monomoy National Wildlife Refuge, Massachusetts. Contribution No 2, Monomoy Light Research Station. Massachusetts Audubon Society, South Wellfleet, MA.
- Cullina, M.D. B. Connolly, B. Sorrie, and P. Somers. 2011. The Vascular Plants of Massachusetts: A County Checklist, First Revision. Massachusetts Natural Heritage and Endangered Species Program, Massachusetts Division of Fisheries and Wildlife, Westborough, MA.
- Moul, E.T. 1969. Flora of Monomoy Island, Massachusetts. *Rhodora* 71: 18-28.
- Schrot, E.F. 1985. Additions to the flora of Monomoy Island, Massachusetts. *Bartonia* 51: 78.