

Anecdotal Description of Mosquito Species Occurring in Maine and New Hampshire:

Compiled by Richard Dearborn and Kimberly A. Foss: Maine Department of Conservation, Forest Health and Monitoring, Insect and Disease Lab 2003, from a variety of sources. Revised by Kimberly A. Foss, SWAMP, Inc/Municipal Pest Management Services, Inc. October 2015.

GENUS species	Current Disease Associations (X)=primary vector	Estimated Flight Range	Bites Humans	Adult Host	Larval Habitat	No. Gen./ Yr.	Over- winter Stage	Common Names and Comments
AEDES								
<i>cinereus</i> (Meigen)	WNV EEE SLE	100 to 1000 feet	Yes Major pest in wooded or shaded areas	Mammals	Wooded snowmelt pools, semi-permanent bogs and swamps	2-3	Egg	Day and night biter
<i>vexans</i> (Meigen)	WNV EEE	5 to 10 miles	Yes Major pest	Mammals	Wooded temporary, permanent, semipermanent pools, open flooded areas	2-3	Egg	Day and night biter
OCHLEROTATUS								
<i>abserratus</i> (Felt & Young)			Yes Common spring pest	Mammals, birds	Snowmelt pools	1	Egg	Day and night biter
<i>atropalpus</i> (Coquillett)	WNV	100 to 1000 feet	Yes Around breeding areas	Mammals	Rock pools, some artificial containers	1	Egg	Day and night biter
<i>aurifer</i> (Coquillett)		½ mile	Yes Around breeding areas	Mammals	Snowmelt pools, swamps, bogs, open marshes	1	Egg	Day and night biter
<i>canadensis</i> (Theobald)	WNV EEE	½ mile	Yes Major late spring pest around breeding areas	Mammals, amphibians, reptiles, sometimes birds	Wooded snowmelt pools, flood waters	1-2	Egg	Day and night biter
<i>cantator</i> (Coquillett)	WNV EEE		Yes	Mammals, birds	Salt marshes, fresh or brackish water	1+	Egg	Day and night biter

<i>communis</i> (DeGeer)			Yes	Mammals, birds	Wooded snowmelt pools	1	Egg	Day and evening biter
<i>decticus</i> (Howard, Dyar and Knab)			Yes	Mammals, birds	Sphagnum, acid bogs	1	Egg	Day and night biter
<i>diantaeus</i> (Howard, Dyar and Knab)			Yes Wooded areas	Mammals, birds	Wooded snowmelt pools	1	Egg	Morning and evening biter
<i>dorsalis</i> (Meigen)	WNV SLE	10 to 20 miles	Yes	Large mammals, sometimes large birds	Temporary freshwater and brackish pools marshes and ditches	1+	Egg	“Pale marsh mosquito” New record for 2003 (M. Holman)
<i>excrucians</i> (Walker)		½ mile	Yes Common spring-summer pest	Mammals, sometimes birds	Wooded snowmelt pools, marshes	1-2	Egg	Day and evening biter
<i>fitchii</i> (Felt & Young)	WNV	About 1 mile	Yes Common spring-summer pest in wooded areas	Mammals, birds	Snowmelt pools, bogs, grassy roadside ditches	1	Egg	Day and night biter
<i>hendersoni</i> (Cockerell)		About 1 mile	Yes	Mammals	Tree holes, occasionally tires	1-2	Egg	
<i>implicatus</i> (Vockeroth)			Yes Spring pest	Mammals	Wooded snowmelt pools	1	Egg	Day and night biter
<i>intrudens</i> (Dyar)			Yes Common spring pest	Mammals	Wooded snowmelt pools	1	Egg	Day and night biter
<i>japonicus</i> (Theobald)	WNV SLE		Yes	Mammals, birds	Tires, artificial containers, tree holes, rock pools	2+	Egg	Day biter New Record Portland, Maine: June 26, 2001 (K.Foss)
<i>pionips</i> (Dyar)			Rarely		Snowmelt pools	1	Egg	
<i>provocans</i> (Walker)	WNV		Yes Early spring	Mammals	Semipermanent marshes, wooded	1	Egg	Evening biter

					snowmelt pools			
<i>punctator</i> (Kirby)			Yes Spring	Mammals	Wooded snowmelt pools	1	Egg	Day and night biter
<i>riparius</i> (Dyar and Knab)								New record for 2003 (M. Holman)
<i>sollicitans</i> (Walker)	WNV EEE	100 miles or more	Yes Major coastal summer pest	Mammals, birds, reptiles, amphibians	Salt marshes	4+	Egg	“Eastern salt marsh mosquito”, Day and night biter
<i>sticticus</i> (Meigen)	WNV	4 miles	Yes Major pest around breeding areas	Mammals, birds, reptiles	Flood waters, wooded snowmelt pools	1-2	Egg	Day and evening biter
<i>stimulans</i> (Walker)	WNV	2 miles	Yes Major spring pest	Mammals, birds	Snowmelt pools	1	Egg	Long lived
<i>taeniorhynchus</i> (Wiedemann)	WNV EEE		Yes Major pest around breeding areas	Birds, mammals	Salt marshes	2+	Egg	“Black salt marsh mosquito”, Day and evening biter New record for 2002(M. Holman)
<i>triseriatus</i> (Say)	WNV LAC (X) EEE	½ to 1 mile	Yes Common summer pest around breeding areas	Mammals, birds, reptiles, amphibians	Tires, artificial containers, tree holes	1	Egg	“Tree hole mosquito” Day and evening biter
<i>trivittatus</i> (Coquillett)	WNV EEE	½ mile	Yes Common summer pest around breeding areas	Mammals, birds	Wooded snowmelt pools, floodwaters	1	Egg	Day and evening biter
ANOPHELES								
<i>barberi</i> (Coquillett)	WNV		Yes	Mammals, sometimes birds	Tree holes, artificial containers	1-2	Larva	New record for 2004 (M. Holman)
<i>crucians</i>	WNV	<1mile	Yes	Mammals,	Grass fields,	2+	Larva	New record

	EEE Malaria			preferably livestock over humans	retention ponds, detention ponds, and marshes			for NH 2015 (K. Foss)
<i>earlei</i> (Vargas)		1 to 2 miles	Yes Common spring pest	Mammals	Confined bodies of water	1-2	Adult	Day and night biter
<i>punctipennis</i> (Say)	WNV Malaria	1 to 2 miles	Yes Major summer pest	Mammals, birds	Confined and flowing bodies of water, artificial containers	2-3	Adult	“Spotted- winged Mosquito”, Day and night biter
<i>quadrimaculatus</i> (Say)	WNV Malaria (X)	1 mile	Yes Common summer pest	Mammals, sometimes birds and reptiles	Confined bodies of water	2-3	Adult	Common “Malaria Mosquito”, Day and night biter
<i>walkeri</i> (Theobald)	WNV Malaria	1 to 2 miles	Yes	Mammals	Confined bodies of water	2+	Egg	Day and night biter
COQUILLETIDIA								
<i>perturbans</i> (Walker)	WNV EEE	1 to 10 miles	Yes Major summer pest	Birds, mammals, amphibians, sometimes reptiles	Cattail marshes	1-2	Larva	Larvae attach to the base of aquatic plants Day and night biter
CULEX								
<i>pipiens</i> (Linnacus)	WNV (X) SLE (X) EEE	1 mile or more	Rarely	Birds, rarely mammals	Artificial containers, grassy roadside ditches, catch basins	1-2	Adult	“Northern house mosquito”
<i>restuans</i> (Theobald)	WNV (X) SLE (X) EEE	1 mile	Yes	Birds, sometimes mammals	Tires, tree holes, artificial containers, puddles, grassy roadside ditches, catch basins	1-2	Adult	Day and night biter
<i>salinarius</i> (Coquillett)	WNV (X) SLE (X) EEE		Yes	Birds, mammals	Artificial containers, grassy roadside ditches, brackish water, catch basins	1-2	Adult	Night biter, enters homes
<i>territans</i> (Walker)	WNV	1 mile	Rarely	Cold	Pond edges,	1-3	Adult	

	EEE			blooded vertebrates (e.g. frogs), rarely birds	pools, marshes, grassy roadside ditches, artificial containers			
CULISETA								
<i>impatiens</i> (Walker)	WNV		Yes Uncommon early spring species	Mammals	Semipermanent ponds, bogs, wooded ground pools	1	Adult	Long lived, rare, day and evening biter
<i>inornata</i> (Williston)	WNV EEE		Yes Uncommon early spring species	Mammals	Wooded snowmelt pools, marshes, bogs, swamps	2+	Adult	“Winter mosquito”
<i>melanura</i> (Coquillett)	WNV EEE (X)	100 to 1000 yards	Rarely	Birds	Within stumps in acidic swamps and bogs, snowmelt pools	2+	Larva	
<i>minnesotae</i> (Barr)			Rarely	Birds, small mammals, turtles	Snowmelt pools, marshes	1-2	Adult	New Record for 2001 (M. Holman)
<i>morsitans</i> (Coquillett)	WNV EEE		Rarely	Birds	Semipermanent swamps, wooded snowmelt pools, marshes, bogs	1	Egg	
PSOROPHORA								
<i>ciliata</i> (Fabricius)	WNV EEE	5 to 10 miles	Yes, day and night biter Uncommon	Mammals	Temporary open sunlit rain filled fields and flood-water areas	1+	Egg	“Gallinipper” New Record for 2006 S. Berwick (K. Foss)
<i>ferox</i> (Humboldt)	WNV EEE	Up to 1 mile	Yes Within wooded areas, Uncommon species	Mammals	Wooded temporary ground pools, flood-water areas	1	Egg	“ White-footed woods mosquito ”, day and evening biter New Record for 2001 (M. Holman)
URANOTAENIA								
<i>sapphirina</i> (Osten Sacken)	WNV	Up to 8 miles	Rarely Summer species	Birds	Permanent and semipermanent ponds, pools, swamps, marshes	1-2	Adult	New Record Portland, Maine: July 24, 2001 (K. Foss)

WYEOMYIA								
<i>smithii</i> (Coquillett)			Never	Feeds as larvae on other insects in pitcher plant fluid	Sphagnum bogs	1	Larva	“Pitcher plant mosquito” spends most of the year in larval stage
ORTHOPODOMYIA								
<i>signifera</i> (Coquillett)	WNV EEE	Less than 100 ft	Rarely, uncommon species slow to develop	Birds	Deep tree rot holes and wooden containers	2+	Egg in north, larvae in south	