

Mosquito studies: Greenwoods distribution map

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A survey of mosquito species at Greenwoods was initiated in 1993 and has continued to date (Butts, 1993; 1994; 1995; 1996; 1997; 1998; 1999; 2000). The logistics of sampling having finally caught up to the rate of property acquisition, it is now possible to map approximate locations of collection for each species. Table 1 lists species and total number of specimens collected, and assigns letter designations used in the map in Figure 1.

Collection of adult specimens have been made by landing/ biting, light trap and hand picking of resting individuals. Some adult specimens have been obtained by rearing from larval and/ or pupal collections.

Of the total numbers of individuals listed 48% are temporary pool breeders (most univoltine), 33% are of a single species which is confined to permanent or semi-permanent standing water, 11% are species that utilize a variety of aquatic sites for larval development and 7% are tree-hole breeders which may also develop in water filled containers.

References cited as sources for this compilation published prior to the year 2000 list those species herein placed in the genus *Ochlerotatus* as members of the previously more inclusive genus *Aedes*, from which they have recently been removed.

Table 1. Summary of mosquitoes collected at Greenwoods 1993-2001.

Notations for collecting method:

LB= Landing/ Biting

LT= Light Trap

RI= Reared from immatures

RA= Resting adult (hand collected)

Species	Letter designation for map	Collection method	Total specimens
<i>Anopheles earlei</i> Vargas	A	LB	1
<i>Anopheles punctipennis</i> (Say)	B	LB/ RA	16
<i>Anopheles quadrimaculatus</i> Say	C	RA	1
<i>Aedes cinereus</i> Meigen	D	LB	2
<i>Aedes vexans</i> (Meigen)	E	LB	1
<i>Ochlerotatus canadensis</i> (Theobald)	F	LB/ LT	47
<i>Ochlerotatus fitchii</i> (Felt and Young)	G	LB/ RI	2
<i>Ochlerotatus intrudens</i> (Dyar)	H	RI	5
<i>Ochlerotatus provocares</i> (Walker)	I	LB	1
<i>Ochlerotatus punctor</i> (Kirby)	J	LB/ RI	65
<i>Ochlerotatus sticticus</i> (Meigen)	K	LB	1
<i>Ochlerotatus trivittatus</i> (Coquillett)	L	LB	7
<i>Ochlerotatus hendersoni</i> (Cockerell)	M	LB/ LT	13
<i>Ochlerotatus triseritatus</i> (Say)	N	LB	5
<i>Ochlerotatus stimulans</i> (Walker)	O	LB	1
<i>Coquillettidia pertubans</i> (Walker)	P	LB/ LT	89
<i>Culex pipiens</i> Linnaeus	Q	LT	1
<i>Culex restuans</i> Theobald	R	LB/ LT	8
<i>Culiseta melanura</i> (Coquillett)	S	LT	3
<i>Culiseta morsitans</i> (Theobald)	T	LT	1

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