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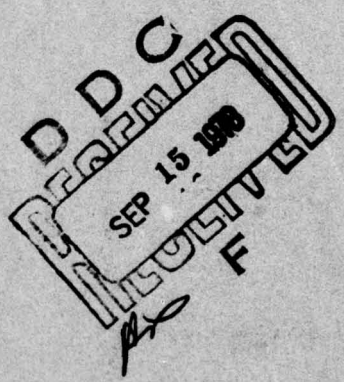
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DISTRIBUTION OF MOSQUITOES IN THE CONTINENTAL UNITED STATES.

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USAF SCHOOL OF AEROSPACE MEDICINE
Aerospace Medical Division (AFSC)
Brooks Air Force Base, Texas 78235



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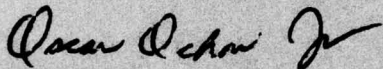
NOTICES

This final report was submitted by personnel of the Disease Surveillance Branch, Epidemiology Division, USAF School of Aerospace Medicine, Aerospace Medical Division, AFSC, Brooks Air Force Base, Texas, under job order SUPTXXEP.

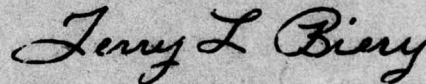
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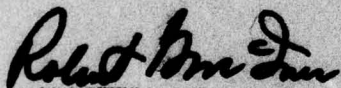
This technical report has been reviewed and is approved for publication.



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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Mosquito species listings, by State, are provided for the Continental United States (CONUS), including designation of the species found on CONUS Air Force installations. ↗		

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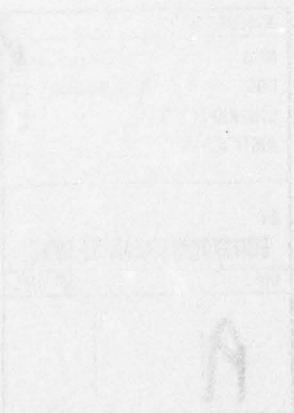
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DISTRIBUTION OF MOSQUITOES IN THE CONTINENTAL UNITED STATES

INTRODUCTION

This report provides Air Force personnel with a listing of all mosquito species known to have been collected on Air Force installations and a quick-reference listing of mosquito species known to occur in each State of the Continental United States (CONUS). Since a listing of mosquito species by State for all 48 States in CONUS is not available in the literature, this information will be useful to local, State, and Federal agencies (military and civilian).

The Entomology Section, Epidemiology Division, USAF School of Aerospace Medicine (USAFSAM), annually identifies approximately 90,000 mosquito specimens from CONUS Air Force installations.¹ This service is provided in accordance with AFR 161-1, Control of Vector-borne Diseases, and AFR 161-12, USAF Epidemiological Services. Since USAF installations are located in 40 of the 48 contiguous States, a complete, easy-to-use listing of the mosquitoes known to occur in each State is important to the Entomology Section. This compilation is quite useful in insuring the accurate identification of the many mosquitoes received from installations each year.

All USAF installations for which the Entomology Section has mosquito identification records (some dating back to 1943) are located on the map on page 5 of this report. Mosquito-species listings are provided for each of the 48 contiguous States and the District of Columbia. These by-State listings are compiled from four publications by Stanley J. Carpenter²⁻⁵. His works were selected as the reference sources because: (1) he has done extensive work with the mosquitoes of North America, has periodically

¹Mosquito identifications for CONUS USAF installations, CY 1977. Entomology Section, Disease Surveillance Branch, Epidemiology Division, USAFSAM, Brooks AFB, Tex., 1978.

²Carpenter, S. J., and W. J. LaCasse. Mosquitoes of North America (North of Mexico). Berkeley and Los Angeles: University of California Press, 1955.

³Carpenter, S. J. Review of recent literature on mosquitoes of North America. California Vector Views 15(8):71-98 (1968).

⁴Review of recent literature on mosquitoes of North America, Supplement I. California Vector Views 17(6):39-66 (1970).

⁵Review of recent literature on mosquitoes of North America, Supplement II. California Vector Views 21(12):73-99 (1974).

reviewed the taxonomic literature on mosquitoes of the United States, and has published information on the distribution records of these mosquito species; (2) his text² on mosquitoes of North America is the most widely accepted and used publication on mosquitoes of the United States; and (3) the use of a single recognized taxonomic expert eliminates having to interpret differences of opinion which exist among taxonomists. On the State listings, mosquito species are footnoted as to the USAF installation from which they have been recorded. Where the name of an installation has been changed, the current name is used. (Mosquito species not footnoted have been found in the State but not on a USAF installation.) States that have no USAF installation are identified by footnotes.

When questions arose concerning name changes of genera or species (e.g., the question of placing perturbans under Coquillettidia or Mansonia), Carpenter's most recent publication⁵ was used as the source for this compilation. (Carpenter has now retired; the last supplement to his text was published in 1974.) The Entomology Section, Epidemiology Division, USAFSAM, anticipates supplementing or updating this compilation on a periodic basis by obtaining current distribution information from mosquito experts in each state.

ALABAMA

Aedes

*aegypti*²
atlanticus
atropalpus
*canadensis canadensis*²
canadensis mathesoni
*cinereus*²
dupreei
fulvus pallens
hendersoni
*infirmatus*²
*mitchellae*²
*sollicitans*²
sticticus
*taeniorhynchus*²
thibaulti
tormentor
*triseriatus*²
vexans^{1,2}

Anopheles

*atropos*²
*barberi*²
bradleyi
crucians^{1,2}
georgianus
*punctipennis*²
quadrifasciatus^{1,2}
*walkeri*²

Culex

erraticus^{1,2}
nigripalpus
peccator
pilosus
pipiens
*quinquefasciatus*²
restuans^{1,2}
*salinarius*²
tarsalis

Culiseta

*inornata*²
*melanura*²

Mansonia

perturbans^{1,2}

Orthopodomyia

alba
signifera

Psorophora

*ciliata*²
columbiae^{1,2}
*cyanoescens*²
*discolor*²
*ferox*²
horrida
howardii
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

*lowii*²
*sapphirina*²

Wyeomyia

haynei

¹Craig AFB

²Maxwell AFB

ARIZONA

Aedes

aegypti
atropalpus
burgeri
cataphylla
dorsalis
epactius
fitchii
implicatus
infirmatus
monticola
muelleri
*nigromaculis*¹
papago
pullatus
purpureipes
sollicitans
*taeniorhynchus*³
trivittatus
varipalpus
ventrovittis
vexans 1-3

Culiseta

incidens^{1,3}
inornata^{1,3}
particeps

Orthopodomyia

californica
kummi
signifera

Psorophora

columbiae^{1,3}
*discolor*¹
howardii
signipennis 1-3

Uranotaenia

anhydor anhydor

Anopheles

barberi
freeborni
*franciscanus*³
judithae

Culex

apicalis
arizonensis
boharti
coronator
*erythrothorax*³
*nigripalpus*³
peus
quinquefasciatus 1-3
restuans^{2,3}
tarsalis 1-3
*territans*²
thriambus

¹ Davis-Monthan AFB

² Luke AFB

³ Williams AFB

ARKANSAS

Aedes

aegypti
atlanticus
atropalpus
*canadensis canadensis*²
cinereus
dupreei
epactius
fulvus pallens
grossbecki
hendersoni
infirmatus
mittchellae
nigromaculis
sollicitans^{1,2}
*sticticus*²
taeniorhynchus
thibaulti
tormentor
triseriatus^{1,2}
trivittatus
vexans^{1,2}
zoosophus

Anopheles

barberi
crucians^{1,2}
pseudopunctipennis
punctipennis^{1,2}
quadrinaculatus^{1,2}
*walkeri*²

Culex

erraticus^{1,2}
nigripalpus
peccator
*pipiens*¹
quinquefasciatus^{1,2}
restuans^{1,2}
salinarius^{1,2}
*tarsalis*¹
territans

Culiseta
inornata^{1,2}
melanura

Mansonia
*perturbans*²
titillans

Orthopodomyia
alba
signifera

Psorophora
*ciliata*¹
columbiae^{1,2}
*cyanescens*¹
discolor^{1,2}
*ferox*¹
horrida
howardii
longipalpus
*signipennis*²
varipes

Toxorhynchites
rutilus septentrionalis

Uranotaenia
*anhydor syntheta*¹
lowii
sapphirina^{1,2}

¹Blytheville AFB

²Little Rock AFB

CALIFORNIA

Aedes

bicristatus
campestris
cataphylla
cinereus
communis
deserticola
dorsalis^{1,5,8,10,11}
fitchii
flavescens
*hexodontus*¹¹
increpitus
melanimon
nevadensis
nigromaculis^{1-3,7,8}
niphadopsis
pullatus
purpureipes
schizopinax
sierrensis
squamiger^{5,11}
sticticus
taeniorhynchus^{1,8}
ventrovittis
vexans^{2,3,8,11}

Anopheles

freeborni^{1,2,8,11}
*franciscanus*¹¹
occidentalis
punctipennis^{1,3,7,11}

Culex

anips
apicalis
boharti
*erythrothorax*¹⁻³
peus^{1,2,5}
pipiens^{2,8,10,11}
quinquefasciatus^{1-3,5-11}
reevesi
restuans^{3,11}
*tarsalis*¹⁻¹¹
territans
thriambus

Culiseta

impatiens
incidens^{1,7-9,11}
inornata^{1-3,5,7,8,10,11}
particeps^{1,11}

Mansonia

perturbans^{7,11}

Orthopodomyia

californica
signifera

Psorophora

columbiae^{2,7,8,11}
*signipennis*¹¹

Uranotaenia

anhydor anhydor

¹Beale AFB
²Castle AFB
³Edwards AFB
⁴George AFB
⁵Hamilton AFB
⁶March AFB

⁷Mather AFB
⁸McClellan AFB
⁹Norton AFB
¹⁰Travis AFB
¹¹Vandenberg AFB

COLORADO

Aedes

campestris
*canadensis canadensis*¹
*cataphylla*¹
*cinereus*¹
communis
deserticola
*dorsalis*¹⁻⁴
epactius
excrucians
fitchii
flavescens
*hendersoni*¹
hexodontus
impiger
implicatus
*inarepitus*¹
*intrudens*¹
melanimon
nevadensis
nigromaculis^{1,2,4}
pionips
pullatus
punctor
riparius
schizopinax
*spencerii idahoensis*²
*sticticus*²
stimulans
*triseriatus*¹
*trivittatus*⁴
*vexans*¹⁻⁴

Anopheles

earlei
franciscanus
freeborni
pseudopunctipennis
punctipennis

Culex

*erythrothorax*¹
pipiens^{1,3}
restuans
*salinarius*¹
*tarsalis*¹⁻⁴
*territans*¹

Culiseta

alaskaensis
*impatiens*¹
*incidens*¹
*inornata*¹⁻⁴
*melanura*¹
morsitans

Mansonia

perturbans

Psorophora

*columbiae*¹
signipennis^{1,2}

¹USAF Academy
²Ent AFB
³Lowry AFB
⁴Peterson Field

CONNECTICUT¹

Aedes

abserratus
atropalpus
aurifer
canadensis canadensis
cantator
cinereus
dorsalis
excrucians
fitchii
hendersoni
intrudens
sollicitans
sticticus
stimulans
taeniorhynchus
thibaulti
trichurus
triseriatus
trivittatus
vexans

Anopheles

crucians
earlei
punctipennis
quadrinaculatus
walkeri

Culex

pipiens
restuans
salinarius

Culiseta

impatiens
melanura
morsitans
morsitans dyari
silvestris minnesotae
silvestris silvestris

Mansonia

perturbans

Orthopodomyia

signifera

Psorophora

ciliata
ferox

Uranotaenia

sapphirina

Wyeomyia

smithii

¹No USAF installations

DELAWARE

Aedes

*atlanticus*¹
aurifer
*canadensis canadensis*¹
*cantator*¹
*cinereus*¹
dorsalis
dupreei
*excrucians*¹
fitchii
grossbecki
hendersoni
*infirmatus*¹
*mitchellae*¹
*sollicitans*¹
sticticus
stimulans
*taeniorhynchus*¹
thibaulti
*triseriatus*¹
trivittatus
*vexans*¹

Anopheles

barberi
bradleyi
*crucians*¹
*punctipennis*¹
*quadrifaculatus*¹
walkeri

Culex

*erraticus*¹
peccator
*pipiens*¹
*restuans*¹
*salinarius*¹

Culiseta

*inornata*¹
*melanura*¹
*morsitans*¹
silvestris minnesotae

Mansonia

*perturbans*¹

Orthopodomyia

alba
*signifera*¹

Psorophora

*ciliata*¹
*columbiae*¹
*cyanescens*¹
discolor
*ferox*¹
horrida
*howardii*¹
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

*sapphirina*¹

Wyeomyia

smithii

¹Dover AFB

DISTRICT OF COLUMBIA

Aedes

aegypti
atlanticus
atropalpus
canadensis canadensis
cinereus
hendersoni
mitchellae
sollicitans
sticticus
taeniorhynchus
triseriatus
trivittatus
vexans

Anopheles

barberi
crucians
punctipennis
quadrifasciatus
walkeri

Culex

erraticus
pipiens
quinquefasciatus
restuans
salinarius

Culiseta

inornata
melanura

Mansonia

perturbans

Orthopodomyia

alba
signifera

Psorophora

ciliata
columbiae
discolor
ferox
horrida
howardii

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

FLORIDA

- Aedes*
aegypti^{1,3}
atlanticus^{1,3,6,7}
canadensis canadensis^{1,3,7}
canadensis mathesoni
cinereus^{1,5}
*dupreei*¹
fulvus pallens
infirmatus^{1,4-6}
mitchellae^{1,3-7}
scapularis
solicitans^{1,5,7}
*sticticus*⁶
*taeniorhynchus*¹⁻⁷
thelcter
thibaulti
tormentor^{1,5}
tortilis
triseriatus^{1,3,6}
vexans^{1-3,5-7}
- Anopheles*
atropos^{1,4,5}
barberi^{1,2,5,7}
*bradleyi*⁵
*crucians*¹⁻⁷
*georgianus*⁵
perplexens
punctipennis^{1-3,5}
*quadrinaculatus*¹⁻⁷
*walkeri*⁴
- Culex*
atratus
bahamensis
cedecei
*erraticus*¹⁻⁷
iolambdis
latisquama
mulrennani
*nigripalpus*¹⁻⁷
opisthopus
peccator
pilosus
*quinquefasciatus*¹⁻⁷
restuans^{1,3-5,7}
*salinarius*¹⁻⁷
tarsalis^{1-3,6,7}
territans^{1,3,7}
- Culiseta*
inornata^{1,3,4}
melanura^{1,3-6}
- Deinocerites*
cancer
- Mansonia*
dyari
indubitans^{1,4,6}
*perturbans*¹⁻⁷
titillans^{1,6}
- Orthopodomyia*
*signifera*¹
- Psorophora*
*ciliata*¹⁻⁷
*columbiae*¹⁻⁷
cyanescens^{1,4,6}
discolor^{1,3}
*ferox*¹⁻⁴
*horrida*¹
howardii
johnstonii
pygmaea
varipes
- Toxorhynchites*
rutilus rutilus
rutilus septentrionalis
- Uranotaenia*
lowii^{1-4,6,7}
sapphirina^{1-4,6,7}
- Wyeomyia*
haynei
mitchellii
vanduzeei

¹Eglin AFB
²Homestead AFB
³Hurlburt Field

⁴MacDill AFB
⁵Orlando AFB
⁶Patrick AFB

⁷Tyndall AFB

GEORGIA

Aedes

aegypti^{2,3}
atlanticus^{2,3}
*atropalpus*²
*canadensis canadensis*¹⁻³
canadensis mathesoni
cinereus^{2,3}
dupreei
*fulvus pallens*³
hendersoni
*infirmatus*²
*mittchellae*¹⁻³
*sollicitans*¹⁻³
*sticticus*³
*taeniorhynchus*¹⁻³
thibaulti
*tormentor*¹
*triseriatus*¹⁻³
*trivittatus*¹⁻³
*vexans*¹⁻³

Anopheles

*atropos*³
barberi^{2,3}
bradleyi
*crucians*¹⁻³
georgianus
perplexens
*punctipennis*¹⁻³
*quadrifasciatus*¹⁻³
*walkeri*²

Culex

erraticus^{2,3}
*nigripalpus*¹⁻³
*peccator*³
pilosus
*pipiens*³
*quinquefasciatus*¹⁻³
*restuans*¹⁻³
*salinarius*¹⁻³
tarsalis^{2,3}
territans^{1,3}

Culiseta

inornata^{2,3}
melanura^{2,3}

Mansonia

indubitans
*perturbans*¹⁻³

Orthopomyia

alba
signifera

Psorophora

*ciliata*¹⁻³
*columbiae*¹⁻³
discolor^{1,3}
*ferox*¹⁻³
horrida
*howardii*³
varipes

Toxorhynchites

*rutilus rutilus*³
rutilus septentrionalis

Uranotaenia

lowii
*sapphirina*¹⁻³

¹Hunter AFB

²Moody AFB

³Robins AFB

IDAHO

Aedes

aboriginis
campestris
canadensis canadensis
cataphylla
cinereus
communis
dorsalis
excrucians
fitchii
flavescens
hendersoni
hexodontus
impiger
implicatus
increpitus
intrudens
melanimon
nevadensis
*nigromaculis*¹
niphadopsis
pionips
pullatus
punctor
schizopinax
sierrensis
spencerii idahoensis
sticticus
stimulans
trichurus
triseriatus
trivittatus
ventrovittis
*vexans*¹

Anopheles

earlei
freeborni
punctipennis

Culex

boharti
erythrothorax
*pipiens*¹
restuans
salinarius
*tarsalis*¹
territans

Culiseta

alaskaensis
impatiens
incidens
*inornata*¹
morsitans
morsitans dyari
silvestris minnesotae

Mansonia

*perturbans*¹

¹Mountain Home AFB

ILLINOIS

Aedes

abserratus
aegypti
atlanticus
aurifer
canadensis canadensis
*cinereus*²
*dorsalis*¹
dupreei
excrucians
fitchii
flavescens
fulvus pallens
grossbecki
hendersoni
infirmatus
mitchellae
*nigromaculis*¹
punctor
sollicitans^{1,2}
spencerii spencerii
sticticus
stimulans
thibaulti
tormentor
triseriatus
trivittatus
vexans^{1,2}

Anopheles

barberi
*crucians*¹
punctipennis^{1,2}
quadrimaculatus^{1,2}
walkeri

Culex

apicalis
*erraticus*²
peccator
pipiens^{1,2}
quinquefasciatus^{1,2}
restuans^{1,2}
salinarius^{1,2}
tarsalis^{1,2}
*territans*¹

Culiseta

inornata ^{1,2}
melanura
morsitans
morsitans dyari
silvestris minnesotae

Mansonia

perturbans

Orthopodomyia

alba
signifera

Psorophora

ciliata^{1,2}
columbiae ^{1,2}
*cyanescens*²
discolor^{1,2}
ferox
horrida
howardii
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

Wyeomyia

smithii

¹ Chanute AFB

² Scott AFB

INDIANA

Aedes

abserratus
aegypti
atlanticus
aurifer
canadensis canadensis
cinereus
dorsalis
dupreei
excrucians
fitchii
flavescens
fulvus pallens
grossbecki
hendersoni
infirmatus
punctor
*sollicitans*¹
sticticus
stimulans
thibaulti
*triseriatus*¹
*trivittatus*¹
*vexans*¹

Anopheles

barberi
crucians
*punctipennis*¹
*quadrimaculatus*¹
*walkeri*¹

Culex

*erraticus*¹
*pipiens*¹
*quinquefasciatus*¹
*restuans*¹
*salinarius*¹
*tarsalis*¹
territans

Culiseta

*inornata*¹
melanura
morsitans dyari
silvestris minnesotae

Mansonia

*perturbans*¹

Orthopodomyia

alba
signifera

Psorophora

*ciliata*¹
*columbiae*¹
*cyaneescens*¹
*discolor*¹
ferox
horrida
howardii
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

Wyeomyia

smithii

¹Grissom AFB

IOWA¹

Aedes

aurifer
campestris
canadensis canadensis
cinereus
dorsalis
dupreei
fitchii
flavescens
hendersoni
implicatus
nigromaculis
punctator
riparius
sollicitans
spencerii spencerii
sticticus
stimulans
triseriatus
trivittatus
vexans

Anopheles

barberi
crucians
earlei
punctipennis
quadrinaculatus
walkeri

Culex

erraticus
pipiens
quinquefasciatus
restuans
salinarius
tarsalis
territans

Culiseta

impatiens
inornata
melanura
morsitans
morsitans dyari
silvestris minnesotae

Mansonia

perturbans

Orthopodomyia

alba
signifera

Psorophora

ciliata
columbiae
discolor
ferox
horrida
signipennis
varipes

Uranotaenia

sapphirina

¹No USAF installations

KANSAS

Aedes

aegypti
atlanticus
atropalpus
canadensis canadensis
*cinereus*¹
dorsalis
dupreei
epactius
flavescens
hendersoni
nigromaculis^{1,2}
sollicitans
spencerii
sticticus
stimulans
triseriatus
trivittatus
*vexans*²
zoosophus

Anopheles

barberi
crucians
franciscanus
pseudopunctipennis
punctipennis
quadrifasciatus
walkeri

Culex

erraticus
peccator
pipiens
quinquefasciatus
restuans
salinarius
tarsalis

Culiseta
*inornata*¹

Mansonia
perturbans

Orthopodomyia
signifera

Psorophora
*ciliata*¹
columbiae
cyaneescens
discolor
ferox
horrida
howardii
longipalpus
signipennis

Toxorhynchites
rutilus septentrionalis

Uranotaenia
sapphirina

¹Forbes AFB

²McConnell AFB

KENTUCKY¹

Aedes

aegypti
atlanticus
atropalpus
canadensis canadensis
cinereus
dorsalis
dupreei
fulvus pallens
grossbecki
hendersoni
infirmatus
mittchellae
nigromaculis
sollicitans
sticticus
stimulans
thibaulti
triseriatus
trivittatus
vexans

Anopheles

barberi
crucians
punctipennis
quadrifasciatus
walkeri

Culex

erraticus
nigripalpus
peccator
pilosus
pipiens
quinquefasciatus
restuans
salinarius
tarsalis
territans

Culiseta

inornata
melanura
morsitans

Mansonia

perturbans

Orthopodomyia

alba
signifera

Psorophora

ciliata
columbiae
cyanescens
discolor
ferox
horrida
howardii
signipennis
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

¹No USAF installations

LOUISIANA

Aedes

aegypti
atlanticus
*canadensis canadensis*¹
cinereus
dorsalis
dupreei
fulvus pallens^{1,3}
grossbecki
hendersoni
*infirmatus*¹
mittchellae^{1,3}
nigromaculis
*sollicitans*¹⁻³
*sticticus*¹
*taeniorhynchus*¹⁻³
thibaulti
tormentor
*triseriatus*¹
trivittatus
*vexans*¹⁻³
zoosophus

Anopheles

*atropos*¹
barberi
bradleyi
*crucians*¹⁻³
georgianus
*pseudopuntipennis*¹
*punctipennis*¹⁻³
quadrimaculatus^{1,3}
*walkeri*¹

Culex

erraticus^{1,3}
*nigripalpus*¹
peccator
pilosus
*quinquefasciatus*¹⁻³
restuans^{1,3}
*salinarius*¹⁻³
*tarsalis*¹
territans

Culiseta

inornata^{1,3}
melanura

Mansonia

perturbans^{1,2}

Orthopodomyia

alba
*signifera*¹

Psorophora

ciliata^{1,3}
*columbiae*¹⁻³
cyanescens^{1,3}
discolor^{1,3}
ferox^{1,3}
*horrida*¹
*howardii*¹
longipalpus
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

lowii^{2,3}
*sapphirina*¹⁻³

¹Barksdale AFB
²Channault AFB
³England AFB

MAINE

Aedes

abserratus
atropalpus
aurifer
canadensis canadensis
*cantator*¹
cinereus
communis
decticus
diantaeus
excrucians
fitchii
hendersoni
intrudens
punctor
sollicitans
sticticus
stimulans
trichurus
triseriatus
trivittatus
*vexans*¹

Anopheles

earlei
punctipennis
quadrifasciatus
walkeri

Culex

pipiens
restuans
salinarius

Culiseta

impatiens
melanura
morsitans

Mansonia

perturbans

Wyeomyia

smithii

¹Loring AFB

MARYLAND

Aedes

abserratus
*atlanticus*¹
atropalpus
aurifer
*canadensis canadensis*¹
cantator
cinereus
dupreei
excrucians
fitchii
fulvus pallens
grossbecki
hendersoni
infirmatus
mitchellae
punctor
*sollicitans*¹
sticticus
stimulans
taeniorhynchus
thibaulti
tormentor
triseriatus
trivittatus
*vexans*¹

Anopheles

atropos
barberi
bradleyi
*crucians*¹
*punctipennis*¹
*quadrifasciatus*¹
walkeri

Culex

*erraticus*¹
peccator
*pipiens*¹
*quinquefasciatus*¹
*restuans*¹
*salinarius*¹
territans

Culiseta

inornata
melanura
morsitans dyari
silvestris minnesotae

Mansonia

perturbans

Orthopodomyia

alba
signifera

Psorophora

*ciliata*¹
*columbiae*¹
cyanescens
discolor
ferox
horrida
howardii
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

Wyeomyia

smithii

¹Andrews AFB

MASSACHUSETTS

Aedes

abserratus
atropalpus
aurifer
canadensis canadensis
cantator
cinereus
communis
decticus
diantaeus
dorsalis
escrucians
*fitchii*¹
hendersoni
implicatus
intrudens
mitchellae
punctor
sollicitans
sticticus
stimulans
taeniorhynchus
trichurus
triseriatus
trivittatus
verans^{1,3}

Anopheles

crucians
earlei
*punctipennis*¹
*quadrifasciatus*³
*walkeri*³

Culex

pipiens^{1,3}
*restuans*³
*salinarius*¹⁻³
*territans*³

Culiseta

impatiens
*inornata*³
melanura
morsitans
morsitans dyari
silvestris minnesotae
silvestris silvestris

Mansonia

*perturbans*³

Orthopodomyia

signifera

Psorophora

*ciliata*³
*columbiae*³
ferox

Uranotaenia

*sapphirina*³

Wyeomyia

smithii

¹L.G. Hanscom Field

²Otis AFB

³Westover AFB

MICHIGAN

Aedes

*abserratus*²
atropalpus
aurifer
barri
*campestris*²
*canadensis canadensis*¹
canadensis mathesoni
*cinereus*¹⁻³
communis
decticus
diantaeus
*dorsalis*³
*excrucians*³
fitchii
flavescens^{1,3}
hendersoni
implicatus
intrudens
pionips
pullatus
*punctor*¹⁻³
riparius
spencerii
*sticticus*³
stimulans
*trichurus*²
*triseriatus*¹⁻³
trivittatus^{1,3}
*vexans*¹⁻³

Anopheles

*earlei*³
*punctipennis*³
*quadrinaculatus*¹⁻³
*walkeri*³

Culex

erraticus^{2,3}
peccator
*pipiens*¹⁻³
restuans^{2,3}
*salinarius*¹⁻³
tarsalis
*territans*²

Culiseta

impatiens
incidens
*inornata*¹⁻³
melanura^{1,3}
*morsitans*¹⁻³
silvestris minnesotae

Mansonia

*perturbans*¹⁻³

Psorophora

ciliata
ferox

Uranotaenia

*sapphirina*³

Wyeomyia

smithii

¹Kincheloe AFB

²K.I. Sawyer AFB

³Wurtsmith AFB

MINNESOTA

Aedes

abserratus
atropalpus
aurifer
barri
campestris
*canadensis canadensis*¹
*cinereus*¹
communis
decticus
diantaeus
*dorsalis*¹
*excrucians*¹
fitchii
*flavescens*¹
hendersoni
implicatus
intrudens
nigromaculis
pionips
punctor
riparius
spencerii
sticticus
stimulans
trichurus
*triseriatus*¹
trivittatus
*vexans*¹

Anopheles

barberi
earlei
punctipennis
*quadrimalatus*¹
*walkeri*¹

Culex

erraticus
*pipiens*¹
*restuans*¹
salinarius
*tarsalis*¹
territans

Culiseta

*inornata*¹
*melanura*¹
*morsitans*¹
silvestris minnesotae

Mansonia

*perturbans*¹

Orthopodomyia

signifera

Psorophora

ciliata
columbiae
ferox
horrida

¹Duluth IAP

MISSISSIPPI

Aedes

*aegypti*³
*atlanticus*³
*atropalpus*¹
canadensis canadensis^{1,3}
cinereus^{1,3}
*dorsalis*¹
dupreei
fulvus pallens
grossbecki
hendersoni
infirmatus
mitchellae^{1,3}
*solicitans*³
sticticus^{2,3}
stimulans
taeniorhynchus^{1,3}
thibaulti
tormentor
triseriatus^{1,3}
*vexans*¹⁻³

Anopheles

atropos^{1,3}
barberi^{1,3}
bradleyi
crucians^{1,3}
georgianus
*pseudopunctipennis*³
punctipennis^{1,3}
*quadrimaculatus*¹⁻³
*walkeri*³

Culex

erraticus^{1,3}
nigripalpus^{1,3}
peccator
pilosus
*pipiens*³
*quinquefasciatus*¹⁻³
restuans^{1,3}
salinarius^{1,3}
tarsalis^{1,3}
territans^{1,2}

Culiseta

*inornata*¹⁻³
melanura

Mansonia

perturbans^{1,3}

Orthopodomyia

alba
*signifera*¹

Psorophora

ciliata^{1,3}
*columbiae*¹⁻³
cyanescens^{1,3}
*discolor*¹
*ferox*³
horrida
howardii
pygmaea
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

*lowii*³
sapphirina^{1,3}

¹Columbus AFB
²Greenville AFB
³Keesler AFB

MISSOURI

Aedes

aegypti
atlanticus
atropalpus
canadensis canadensis
cinereus
*dorsalis*¹
dupreei
epactius
flavescens
*grossbecki*¹
hendersoni
infirmatus
*nigromaculis*¹
riparius
*sollicitans*¹
sticticus
stimulans
thibaulti
tormentor
triseriatus
trivittatus 1,2
vexans^{1,2}

Anopheles

barberi
crucians
pseudopunctipennis
punctipennis^{1,2}
quadrifasciatus^{1,2}
walkeri

Culex

*erraticus*²
peccator
pipiens^{1,2}
*quinquefasciatus*¹
*restuans*¹
*salinarius*¹
tarsalis^{1,2}
territans

Culiseta

impatiens
*inornata*¹
melanura

Mansonia

perturbans

Orthopodomyia

alba
signifera

Psorophora

ciliata^{1,2}
columbiae^{1,2}
*cyanescens*¹
*discolor*¹
ferox
horrida
howardii
longipalpus
signipennis
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

¹Richards-Gebaur AFB

²Whiteman AFB

MONTANA

Aedes

*campestris*¹
*canadensis canadensis*¹
cataphylla
cinereus
communis
diantaeus
*dorsalis*¹
excrucians
fitchii
*flavescens*¹
hendersoni
hexadontus
impiger
implicatus
increpitus
intrudens
melanimon
*nigromaculis*¹
pionips
pullatus
punctor
riparius
schizopinax
sierrensis
spencerii idahoensis
spencerii spencerii
sticticus
stimulans
trichurus
triseriatus
trivittatus
*vexans*¹

Anopheles

earlei
freeborni
punctipennis

Culex

pipiens
restuans
*tarsalis*¹
territans

Culiseta

alaskaensis
impatiens
incidens
*inornata*¹
silvestris minnesotae

Mansonia

perturbans

Psorophora

signipennis

¹Malmstrom AFB

NEBRASKA

Aedes

campestris
canadensis canadensis
*cinereus*¹
*dorsalis*¹
fitchii
flavescens
hendersoni
implicatus
increpitus
melanimon
*nigromaculis*¹
*sollicitans*¹
spencerii idahoensis
spencerii spencerii
sticticus
stimulans
triseriatus
trivittatus
*vexans*¹

Anopheles

barberi
*earlei*¹
*punctipennis*¹
franciscanus
*quadrifasciatus*¹
walkeri

Culex

*erraticus*¹
*pipiens*¹
quinquefasciatus
restuans
*salinarius*¹
*tarsalis*¹
*territans*¹

Culiseta

*impatiens*¹
*incidens*¹
inornata
melanura

Mansonia

*perturbans*¹

Orthopodomyia

signifera

Psorophora

ciliata
*columbiae*¹
cyanescens
*discolor*¹
ferox
horrida
howardii
*longipalpus*¹
*signipennis*¹

Uranotaenia

sapphirina

¹Offutt AFB

NEVADA

Aedes

campestris
cataphylla
cinereus
communis
dorsalis
fitchii
hexodontus
increpitus
melanimon
nevadensis
nigromaculis
niphadopsis
pullatus
schizopinax
sierrensis
spencerii idahoensis
vexans

Anopheles

franciscanus
freeborni

Culex

apicalis
boharti
erythrothorax
peus
quinquefasciatus
tarsalis
territans
thriambus

Culiseta

impatiens
incidens
inornata

Psorophora

columbiae
signipennis

Uranotaenia

anhydor anhydor

NEW HAMPSHIRE

Aedes

abserratus
atropalpus
aurifer
*canadensis canadensis*¹
*cantator*¹
*cinereus*¹
communis
decticus
diantaeus
*excrucians*¹
*fitchii*¹
hendersoni
implicatus
*intrudens*¹
*punctor*¹
*sollicitans*¹
sticticus
stimulans
trichurus
triseriatus
*vexans*¹

Anopheles

earlei
*punctipennis*¹
*quadrinaculatus*¹
*walkerii*¹

Culex

*pipiens*¹
*restuans*¹
*salinarius*¹

Culiseta

*impatiens*¹
*inornata*¹
*melanura*¹
*morsitans*¹

Mansonia

*perturbans*¹

Psorophora

*ciliata*¹
ferox

Uranotaenia

*sapphirina*¹

Wyeomyia

smithii

¹Pease AFB

NEW JERSEY

Aedes

abserratus
atlanticus
atropalpus
aurifer
canadensis canadensis
*cantator*¹
cinereus
communis
dorsalis
dupreei
*excrucians*¹
fitchii
flavescens
grossbecki
hendersoni
implicatus
intrudens
mitchellae
punctor
*solicitans*¹
sticticus
stimulans
taeniorhynchus
trichurus
triseriatus
trivittatus
*vexans*¹

Anopheles

atropos
barberi
bradleyi
crucians
earlei
*punctipennis*¹
*quadrifaculatus*¹
walkeri

Culex

erraticus
*pipiens*¹
*restuans*¹
*salinarius*¹
*territans*¹

Culiseta

*inornata*¹
*melanura*¹
morsitans
silvestris minnesotae

Mansonia

*perturbans*¹

Orthopodomyia

alba
signifera

Psorophora

*ciliata*¹
*columbiae*¹
cyanescens
discolor
ferox
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

*sapphirina*¹

Wyeomyia

smithii

¹McGuire AFB

NEW MEXICO

Aedes

*aegypti*¹
atropalpus^{1,2}
campestris^{1,2}
canadensis canadensis
cataphylla
cinereus
communis
*dorsalis*¹⁻³
epactius
excrucians
fitchii
hendersoni
hexodontus
implicatus
increpitus
melanimon
mittchellae^{1,3}
monticola
muelleri
*nigromaculis*¹⁻³
pullatus
schizopinax
*sollicitans*¹⁻³
spenceri idahoensis
*taeniorhynchus*³
thelcter
trivittatus^{1,2}
*vexans*¹⁻³
zoosophus

Anopheles

crucians
franciscanus
freeborni
judithae
*pseudopunctipennis*¹⁻³
punctipennis^{1,3}

Culex

erythrothorax
*peus*¹
*quinquefasciatus*¹⁻³
*restuans*³
*salinarius*¹⁻³
*tarsalis*¹⁻³
thriambus

Culiseta

*incidens*³
*inornata*¹⁻³

Orthopodomyia

alba
kummi
signifera

Psorophora

*ciliata*¹
columbiae^{1,2}
cyanescens^{1,3}
*discolor*¹
*signipennis*¹⁻³

Uranotaenia

*anhydor syntheta*¹
sapphirina

¹ Cannon AFB

² Holloman AFB

³ Kirtland AFB

NEW YORK

Aedes

abserratus
aegypti
atlanticus
*atropalpus*⁴
aurifer
canadensis canadensis^{1,2,4}
cantator^{1,2,4}
cinereus^{2,4}
communis
decticus
diantaeus
dorsalis^{1,2,4}
*excrucians*¹⁻⁴
fitchii
flavescens^{1,2,4}
grossbecki^{1,2,4}
hendersoni
implicatus
*intrudens*⁴
mittchellae
punctor^{2,4}
riparius
sollicitans^{2,4}
*spencerii*⁴
sticticus
stimulans
*taeniorhynchus*⁴
thibaulti
tormentor
trichurus
triseriatus^{1,4}
trivittatus^{1,2}
vexans^{1,2,4}

Anopheles

*barberi*²
bradleyi
*crucians*⁴
*earlei*⁴
punctipennis^{1,2,4}
quadrifaculatus^{1,2,4}
walkeri

Culex

*pipiens*¹⁻⁴
restuans^{1,2,4}
salinarius^{1,2,4}
territans^{2,4}

Culiseta

impatiens^{2,4}
*inornata*²⁻⁴
melanura^{2,4}
morsitans^{2,4}
morsitans dyari
silvestris minnesotae

Mansonia

perturbans^{1,2,4}

Orthopodomyia

alba
*signifera*⁴

Psorophora

ciliata
columbiae
ferox
varipes

Uranotaenia

sapphirina

Wyeomyia

smithii

¹Griffiss AFB

²Hancock Field

³Niagara Falls IAP

⁴Plattsburgh AFB

NORTH CAROLINA

Aedes

aegypti
*atlanticus*¹
atropalpus
canadensis canadensis
cinereus
dupreei
fulvus pallens
hendersoni
infirmatus
*mitchellae*¹
nigromaculis
sollicitans
sticticus
*taeniorhynchus*¹
thibaulti
tormentor
triseriatus
*trivittatus*¹
vexans^{1,2}

Anopheles

atropos
barberi
bradleyi
*crucians*¹
georgianus
perplexens
*punctipennis*¹
*quadrifasciatus*¹
walkeri

Culex

*erraticus*¹
*nigripalpus*²
peccator
pilosus
*pipiens*¹
quinquefasciatus^{1,2}
*restuans*¹
*salinarius*¹
territans

Culiseta

inornata
*melanura*¹

Mansonia

perturbans

Orthopodomyia

alba
signifera

Psorophora

ciliata
*columbiae*¹
*cyanescens*¹
discolor
ferox
horrida
howardii
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

lowii
*sapphirina*¹

Wyeomyia

haynei

¹Pope AFB

²Seymour Johnson AFB

NORTH DAKOTA

Aedes

*campestris*¹
canadensis canadensis^{1,2}
cinereus^{1,2}
dorsalis^{1,2}
excrucians^{1,2}
*fitchii*²
flavescens^{1,2}
intrudens
nigromaculis^{1,2}
pionips
punctor
*riparius*²
sollicitans^{1,2}
spencerii idahoensis
spencerii spencerii^{1,2}
sticticus
triseriatus^{1,2}
trivittatus^{1,2}
vexans^{1,2}

Anopheles

earlei^{1,2}
*punctipennis*¹
quadrifasciatus^{1,2}
walkeri

Culex

erraticus
pipiens^{1,2}
restuans
salinarius^{1,2}
tarsalis^{1,2}

Culiseta

incidens^{1,2}
inornata^{1,2}
*morsitans*²

Mansonia

perturbans^{1,2}

Orthopodomyia

signifera

Psorophora

signipennis

Uranotaenia

sapphirina

¹Grand Forks AFB

²Minot AFB

OHIO

Aedes

abserratus
aurifer
canadensis canadensis
canadensis mathesoni
*cantator*²
cinereus
*dorsalis*²
dupreei
excrucians
*fitchii*²
grossbecki
hendersoni
implicatus
mitchellae
riparius
sollicitans^{1,2}
spencerii spencerii
sticticus
stimulans
thibaulti
tormentor
triseriatus^{1,2}
trivittatus
vexans^{1,2}

Anopheles

barberi
*crucians*²
perplexens
punctipennis^{1,2}
quadrinaculatus^{1,2}
walkeri

Culex

erraticus^{1,2}
pipiens^{1,2}
*quinquefasciatus*²
restuans^{1,2}
salinarius^{1,2}
tarsalis^{1,2}
*territans*²

Culiseta

inornata^{1,2}
melanura
morsitans
morsitans dyari
silvestris minnesotae

Mansonia

perturbans

Orthopodomyia

alba
signifera

Psorophora

ciliata^{1,2}
columbiae^{1,2}
cyanescens
discolor^{1,2}
ferox
horrida
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

*sapphirina*²

Wyeomyia

smithii

¹Rickenbacker AFB

²Wright-Patterson AFB

OKLAHOMA

Aedes

aegypti
atlanticus
atropalpus
canadensis canadensis
*cinereus*¹
*dorsalis*¹
dupreei
epactius
fulvus pallens
*hendersoni*¹
*mitchellae*¹
*nigromaculis*¹⁻³
*sollicitans*¹⁻³
spencerii spencerii
sticticus
taeniorhynchus^{2,3}
thelcher
tormentor
triseriatus
trivittatus
*vexans*¹⁻³
*zoosophus*¹

Anopheles

barberi
*crucians*¹
franciscanus
pseudopunctipennis
punctipennis^{1,2}
*quadrimaculatus*¹

Culex

apicalis
*erraticus*¹⁻³
nigripalpus^{1,3}
peccator
peus
pipiens
*quinquefasciatus*¹⁻³
restuans
*salinarius*¹⁻³
*tarsalis*¹⁻³
territans
thriambus

Culiseta

incidens^{1,3}
inornata^{1,3}
melanura

Mansonia

*perturbans*¹

Orthopodomyia

alba
signifera

Psorophora

*ciliata*¹⁻³
columbiae
*cyanescens*¹⁻³
*discolor*¹⁻³
ferox
horrida
howardii
*longipalpus*¹⁻³
*signipennis*¹⁻³
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

anhydor syntheta
lowii
sapphirina

¹Altus AFB

²Tinker AFB

³Vance AFB

OREGON

Aedes

aboriginis
aloponotum
campestris
cataphylla
cinereus
communis
dorsalis
excrucians
fitchii
flavescens
hendersoni
hexodontus
impiger
implicatus
increpitus
intrudens
melanimon
nevadensis
*nigromaculis*¹
niphadopsis
pionips
pullatus
schizopinax
sierrensis
spencerii idahoensis
sticticus
ventrovittis
vexans

Anopheles

franciscanus
*freeborni*¹
occidentalis
punctipennis

Culex

apicalis
boharti
peus
pipiens
*restuans*¹
*tarsalis*¹
territans

Culiseta

impatiens
*incidens*¹
*inornata*¹
*morsitans*¹
*particeps*¹
silvestris minnesotae

Mansonia

perturbans

Orthopodomyia

signifera

¹Kingsley Field

PENNSYLVANIA

Aedes

abserratus
atropalpus
aurifer
canadensis canadensis
cantator
cinereus
communis
decticus
diantaeus
dorsalis
excrucians
grossbecki
hendersoni
intrudens
sollicitans
sticticus
stimulans
taeniorhynchus
triseriatus
trivittatus
vexans

Anopheles

barberi
crucians
perplexens
punctipennis
quadrifasciatus
walkeri

Culex

pipiens
restuans
salinarius
tarsalis

Culiseta

inornata
melanura
morsitans

Orthopodomyia

alba
signifera

Mansonia

perturbans

Psorophora

ciliata
columbiae
ferox
horrida

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

Wyeomyia

smithii

RHODE ISLAND¹

Aedes

aberratus
atropalpus
aurifer
canadensis canadensis
cantator
cinereus
excrucians
fitchii
intrudens
sollicitans
stimulans
taeniorhynchus
trichurus
triseriatus
trivittatus
vexans

Anopheles

crucians
punctipennis
quadrifasciatus
walkeri

Culex

pipiens
restuans
salinarius
territans

Culiseta

melanura
morsitans

Mansonia

perturbans

Orthopodomyia

signifera

Psorophora

ciliata

Uranotaenia

sapphirina

Wyeomyia

smithii

¹No USAF installations

SOUTH CAROLINA

Aedes

aegypti
*atlanticus*¹⁻³
atropalpus
*canadensis canadensis*²
canadensis mathesoni
cinereus^{1,2}
*dupreei*²
fulvus pallens^{1,2}
grossbecki
hendersoni
infirmatus^{1,2}
*mittchellae*¹⁻³
*solicitans*¹⁻³
sticticus^{1,2}
*taeniorhynchus*¹⁻³
*thibaulti*²
tormentor^{1,2}
triseriatus^{1,2}
trivittatus^{1,2}
*vexans*¹⁻³

Anopheles

atropos^{1,2}
*barberi*²
bradleyi^{1,2}
*crucians*¹⁻³
georgianus^{1,2}
*punctipennis*¹⁻³
*quadrimaculatus*¹⁻³
walkeri

Culex

*erraticus*¹⁻³
*nigripalpus*¹⁻³
*peccator*²
*pilosus*²
pipiens
*quinquefasciatus*¹⁻³
*restuans*¹⁻³
*salinarius*¹⁻³
*tarealis*¹⁻³

Culiseta

inornata^{1,2}
melanura^{1,2}

Mansonia

*perturbans*¹⁻³

Orthopodomyia

*signifera*²

Psorophora

ciliata^{1,2}
*columbiae*¹⁻³
cyaneescens^{1,2}
discolor^{1,2}
*ferox*²
horrida
*howardii*²
varipes

Toxorhynchites

rutilus rutilus
rutilus septentrionalis

Uranotaenia

*lowii*¹⁻³
*sapphirina*¹⁻³

¹Charleston AFB
²Myrtle Beach AFB
³Shaw AFB

SOUTH DAKOTA

Aedes

campestris
canadensis canadensis
cinereus
dorsalis
flavescens
hendersoni
increpitus
intrudens
*nigromaculis*¹
sollicitans
spencerii idahoensis
spencerii spencerii
sticticus
stimulans
*triseriatus*¹
trivittatus
*vexans*¹

Anopheles

barberi
earlei
punctipennis
quadrifasciatus
walkeri

Culex

erraticus
*pipiens*¹
restuans
salinarius
tarsalis
territans

Culiseta

impatiens
incidens
inornata
morsitans

Mansonia

perturbans

Orthopodomyia

signifera

Psorophora

ciliata
*columbiae*¹
ferox
horrida
longipalpus
signipennis

Uranotaenia

sapphirina

¹Ellsworth AFB

TENNESSEE

Aedes

aegypti
atropalpus
canadensis canadensis
cinereus
dupreei
fulvus pallens
grossbecki
hendersoni
infirmatus
mitchellae
sollicitans
sticticus
thibaulti
triseriatus
trivittatus
*vexans*¹

Anopheles

barberi
crucians
freeborni
perplexens
*pseudopunctipennis*¹
*punctipennis*¹
*quadrinaculatus*¹
walkeri

Culex

*erraticus*¹
nigripalpus
peccator
pipiens
quinquefasciatus
*restuans*¹
*salinarius*¹
tarsalis
territans

Culiseta

inornata
melanura

Mansonia

perturbans

Orthopodomyia

alba
signifera

Psorophora

ciliata
columbiae
cyanescens
discolor
ferox
horrida
howardii
signipennis
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

anhydor syntheta
sapphirina

¹Arnold AFS

TEXAS

Aedes

aegypti^{4, 10}
*atlanticus*¹³
atropalpus^{2, 10, 14, 16}
bimaculatus
brelandi
*campestris*⁸
canadensis canadensis^{4, 17}
dorsalis^{1-3, 6, 15, 17}
dupreei
epactius
fulvus pallens
hendersoni
*infirmatus*⁶
mittchellae^{1, 2, 7, 10, 11, 15, 17}
muelleri
nigromaculis^{1-8, 10-13, 15-17}
scapularis
sollicitans^{1-8, 10-17}
sticticus
taeniorhynchus^{2, 4-7, 10-12, 15-17}
thelcter^{4, 6-8, 10-13, 15, 16}
thibaulti
tormentor^{6, 13}
triseriatus^{4, 5, 8, 10, 13, 16, 17}
trivittatus^{5, 8, 10-13, 15}
vexans^{1-8, 10-17}
zoosophus^{2, 5, 10}

Anopheles

albimanus
atropos^{7, 10}
*barberi*⁷
bradleyi
crucians^{2, 4, 5, 7, 10-12, 14}
franciscanus
*freeborni*⁵
judithae
pseudopunctipennis^{2, 4-6, 8, 10-15, 17}
punctipennis^{1, 2, 4-6, 8, 10-17}
quadrimaculatus^{2, 4-7, 10, 11, 15, 16}
walkeri

Culex

abominator
apicalis
*chidesteri*¹³
coronator^{11, 12}
declarator
erraticus^{2, 4-7, 10-17}

erythrothorax^{10, 11, 15}
*interrogator*¹²
nigripalpus^{2, 4, 5, 10, 11, 13, 14}
*peccator*¹¹
peus^{1, 4, 11}
pilosus
quinquefasciatus^{1-7, 9-17}
restuans^{4, 6, 10, 11, 15, 17}
salinarius^{1, 2, 4-7, 10-17}
tarsalis^{1-6, 8-17}
territans^{13, 15}
thriambus

Culiseta

incidens^{5, 15}
inornata^{1, 2, 4-6, 8, 10-12, 15-17}
melanura^{6, 15}

Deinocerites

mathesoni
pseudes
spanius

Haemagogus

equinus

Mansonia

perturbans^{1, 5, 10, 15, 16}
*titillans*¹⁰

Orthopodomyia

alba
signifera^{4, 5}

Psorophora

ciliata^{1, 2, 4-17}
columbiae^{1, 2, 4-17}
cyanescens^{1, 2, 4-8, 10-17}
discolor^{1, 2, 4-8, 10-17}
ferox^{5, 6, 11, 12, 15-17}
horrida
howardi^{4, 6, 10, 11}
longipalpus
signipennis^{1, 2, 4-6, 8, 10-13, 15-17}
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

anhydor syntheta^{4-6, 10-13}
lowii^{4, 6, 10, 14}
sapphirina^{2, 4-7, 10-13, 16, 17}

¹Amarillo AFB

²Bergstrom AFB

³Biggs AFB

⁴Brooks AFB

⁵Carswell AFB

⁶Dyess AFB

⁷Ellington AFB

⁸Goodfellow AFB

⁹James Connally AFB

¹⁰Kelly AFB

¹¹Lackland AFB

¹²Laredo AFB

¹³Laughlin AFB

¹⁴Randolph AFB

¹⁵Reese AFB

¹⁶Sheppard AFB

¹⁷Webb AFB

UTAH

Aedes

campestris
cataphylla
cinereus
communis
*dorsalis*¹
epactius
excrucians
fitchii
*flavescens*¹
hendersoni
hexodontus
impiger
implicatus
increpitus
intrudens
melanimon
nevadensis
*nigromaculis*¹
niphadopsis
pullatus
punctor
schizopinax
sierrensis
spenceri idahoensis
spencerii spencerii
sticticus
stimulans
trivittatus
varipalpus
ventrovittis
*vexans*¹

Anopheles

earlei
franciscanus
freeborni

Culex

apicalis
erythrothorax
*pipiens*¹
*quinquefasciatus*¹
*restuans*¹
*salinarius*¹
*tarsalis*¹
territans
thriambus

Culiseta

impatiens
*incidens*¹
*inornata*¹
morsitans dyari
silvestris minnesotae
silvestris silvestris

Mansonia

perturbans

Orthopodomyia

signifera

Psorophora

signipennis

¹Hill AFB

VERMONT¹

Aedes

abserratus
atropalpus
aurifer
canadensis canadensis
cinereus
diantaeus
excrucians
fitchii
grossbecki
punctor
sticticus
stimulans
trichurus
triseriatus
vexans

Anopheles

earlei
punctipennis
quadrinaculatus
walkeri

Culex

pipiens
restuans
salinarius
territans

Culiseta

impatiens

Mansonia

perturbans

Uranotaenia

sapphirina

¹No USAF installations

VIRGINIA

Aedes

aegypti
*atlanticus*¹
atropalpus
*canadensis canadensis*¹
*cantator*¹
*cinereus*¹
dupreei
fulvus pallens
*grossbecki*¹
hendersoni
*mitchellae*¹
*sollicitans*¹
*sticticus*¹
stimulans
*taeniorhynchus*¹
thibaulti
*triseriatus*¹
trivittatus
*vexans*¹

Anopheles

*atropos*¹
barberi
bradleyi
*crucians*¹
*punctipennis*¹
*quadrinmaculatus*¹
*walkeri*¹

Culex

*erraticus*¹
peccator
*pipiens*¹
*quinquefasciatus*¹
*restuans*¹
salinarius ¹
*tarsalis*¹
*territans*¹

Culiseta

*inornata*¹
*melanura*¹

Mansonia

*perturbans*¹

Orthopodomyia

alba
signifera

Psorophora

ciliata
*columbiae*¹
cyanescens
discolor
*ferox*¹
horrida
howardi
varipes

Toxorhynchites

rutilus septentrionalis

Uranotaenia

*sapphirina*¹

¹Langley AFB

WASHINGTON

Aedes

aboriginis
aloponotum
campestris
canadensis canadensis
cataphylla
cinereus
communis
*dorsalis*²
excrucians
fitchii
flavescens
hexodontus
impiger
implicatus
increpitus
intrudens
melanimon
nevadensis
nigromaculis^{2,3}
pullatus
punctor
sierrensis
spencerii idahoensis
sticticus
trichurus
ventrovittis
vexans^{1,3}

Anopheles

earlei
franciscanus
*freeborni*¹
occidentalis
punctipennis

Culex

boharti
peus
*pipiens*¹
*tarsalis*¹⁻³
territans

Culiseta

impatiens
incidens
inornata^{1,2}
morsitans
particeps
silvestris minnesotae

Mansonia

*perturbans*³

¹Fairchild AFB
²Larson AFB
³McChord AFB

WEST VIRGINIA¹

Aedes

atropalpus
hendersoni
trivittatus
versans

Anopheles

punctipennis

Culex

restuans

Psorophora

ciliata
columbiae

Toxorhynchites

rutilus septentrionalis

¹No USAF installations

WISCONSIN

Aedes

abserratus
atropalpus
aurifer
campestris
canadensis canadensis
cinereus
communis
diantaeus
dorsalis
excrucians
fitchii
flavescens
grossbecki
hendersoni
implicatus
intrudens
punctor
riparius
spencerii spencerii
sticticus
stimulans
trichurus
triseriatus
trivittatus
vexans

Anopheles

earlei
punctipennis
quadrifasciatus
walkeri

Culex

pipiens
restuans
salinarius
tarsalis
territans

Culiseta

impatiens
inornata
melanura
morsitans
morsitans dyari
parodites
silvestris minnesotae

Mansonia

perturbans

Psorophora

ciliata
ferox
varipes

Uranotaenia

sapphirina

Wyeomyia

smithii

WYOMING

Aedes

*cacothius*¹
*campestris*¹
canadensis canadensis
cataphylla
cinereus
communis
diantaeus
*dorsalis*¹
excrucians
fitchii
flavescens
hendersoni
hexodontus
impiger
implicatus
increpitus
intrudens
melanimon
nevadensis
*nigromaculis*¹
niphadopsis
pionips
pullatus
punctor
riparius
*schizopinax*¹
spencerii idahoensis
spencerii spencerii
sticticus
stimulans
triseriatus
trivittatus
ventroyittis
*vexans*¹

Anopheles

earlei
franciscanus
freeborni
*punctipennis*¹

Culex

*pipiens*¹
*restuans*¹
*salinarius*¹
tarsalis
territans

Culiseta

alaskaensis
impatiens
*incidens*¹
inornata

Mansonia

perturbans

Psorophora

signipennis

¹Francis E. Warren AFB