



FAIRFAX COUNTY HEALTH DEPARTMENT

WRBU wants YOU (to immortalize your mosquito specimens)

VMCA Annual Conference

February 16, 2023

Andy Lima, Environmental Health Specialist III

Disease Carrying Insects Program





National Mosquito Collection

- Largest and most comprehensive mosquito collection in the world
- 200,000 specimens in 1961, now 1.5 million
- 1,500 primary type specimens



WRBU / USNM goals

- Fill collection gaps for U.S. mosquitoes
- State-level voucher collection
- Update 50+ year-old collections with fresh material
- (5) IV instar larvae, (5) pupae, (5) male, (5) female
- Assign USNM # for future access

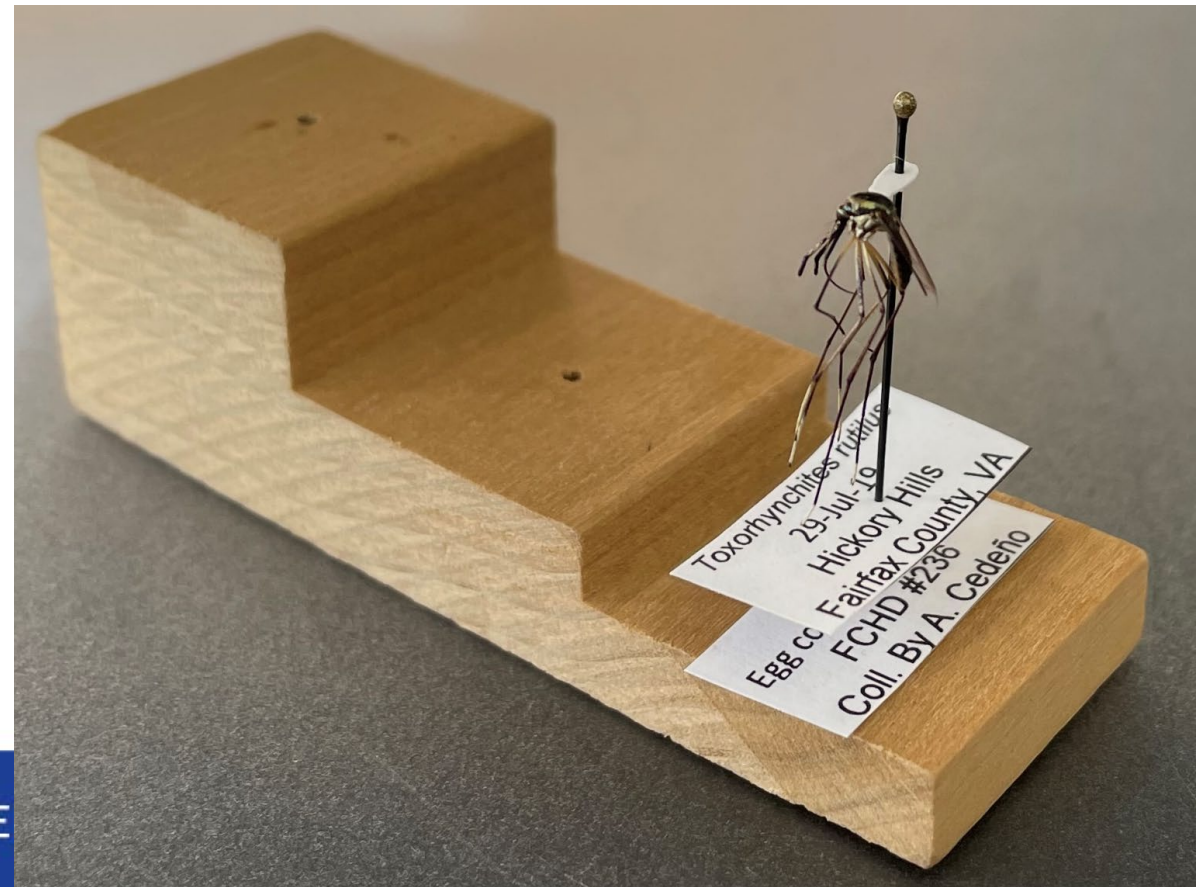
FCHD goals

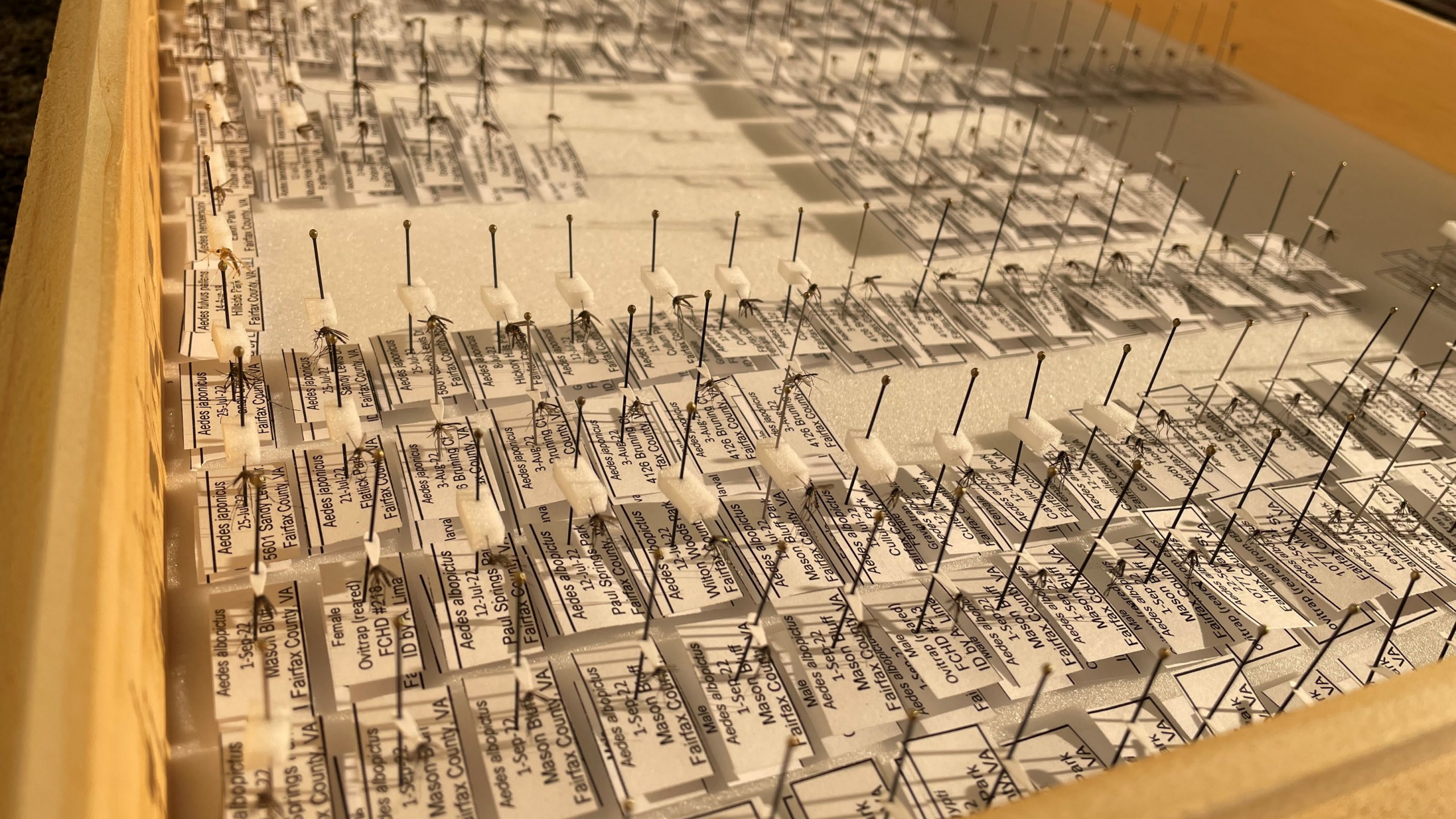
- Collect exemplars of as many species as possible
- Pin / point adults
- Preserve larvae and pupae individually in 70-80% ethanol
- Inspire other VA jurisdictions to collect and submit
- **GET AN INCREDIBLE TOUR!**





FAIRFAX COUNTY HEALTH DEPARTMENT





Aedes albopictus
1-Sep-22
Mason Bluff
Fairfax County, VA

Female
Ovitrap (treated)
FCHD #218
FE ID BY A. Lima

Aedes albopictus
12-Jul-22
Paul Springs
Fairfax County, VA

Aedes albopictus
1-Sep-22
Mason Bluff
Fairfax County, VA

Aedes albopictus
1-Sep-22
Mason Bluff
Fairfax County, VA

Aedes albopictus
1-Sep-22
Mason Bluff
Fairfax County, VA

Aedes albopictus
1-Sep-22
Mason Bluff
Fairfax County, VA

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1-Sep-22
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Fairfax County, VA

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1-Sep-22
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Fairfax County, VA

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1-Sep-22
Mason Bluff
Fairfax County, VA

Aedes albopictus
1-Sep-22
Mason Bluff
Fairfax County, VA

Aedes albopictus
1-Sep-22
Mason Bluff
Fairfax County, VA

Aedes japonicus
25-Jul-22
5601 Sandy Level
Fairfax County, VA

Aedes japonicus
21-Jul-22
Flatlick Park
Fairfax County, VA

Aedes japonicus
3-Aug-22
6 Brunning Ct
Fairfax County, VA

Aedes japonicus
3-Aug-22
Milton Woods
Fairfax County, VA

Aedes japonicus
3-Aug-22
4126 Brunning Ct
Fairfax County, VA

Aedes japonicus
3-Aug-22
4126 Brunning Ct
Fairfax County, VA

Aedes japonicus
3-Aug-22
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Fairfax County, VA

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3-Aug-22
4126 Brunning Ct
Fairfax County, VA

Aedes japonicus
3-Aug-22
4126 Brunning Ct
Fairfax County, VA

Aedes japonicus
25-Jul-22
Fairfax County, VA

Aedes japonicus
25-Jul-22
Sandy Level
Fairfax County, VA

Aedes japonicus
15-Jul-22
5601 Sandy Level
Fairfax County, VA

Aedes japonicus
8-Jul-22
Hickory Hill
Fairfax County, VA

Aedes japonicus
11-Jul-22
Fairfax County, VA

Aedes japonicus
11-Jul-22
Fairfax County, VA

Aedes japonicus
11-Jul-22
Fairfax County, VA

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11-Jul-22
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Fairfax County, VA

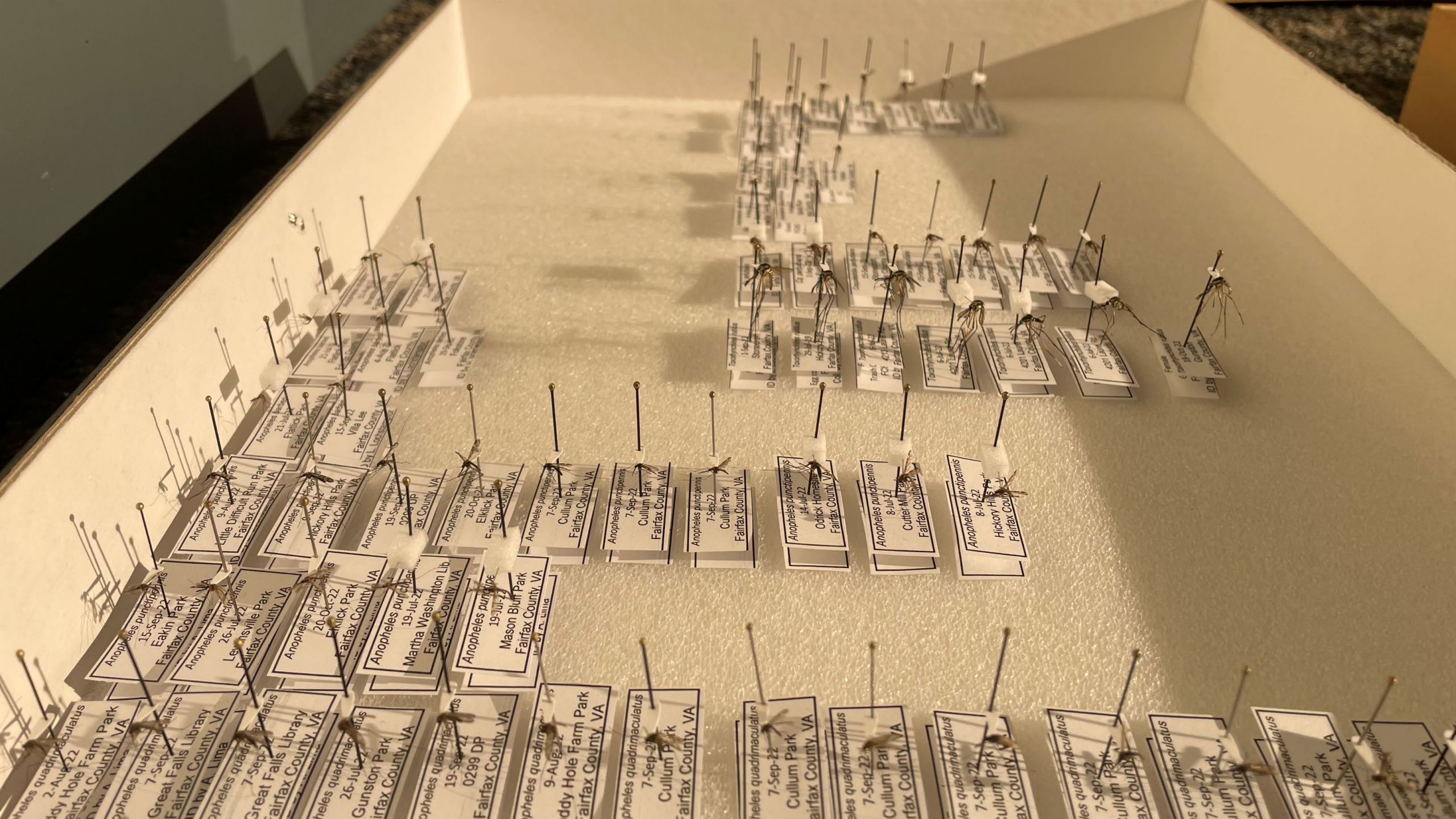
Aedes fulvus
14-Aug-22
Hilside Park
Fairfax County, VA

Aedes hendersoni
Fairfax County, VA

Aedes hendersoni
Fairfax County, VA

Aedes hendersoni
Fairfax County, VA

Aedes hendersoni
Fairfax County, VA



Anopheles quadrimaculatus
2-Aug-22
Buddy Hole Farm Park
Fairfax County, VA

Anopheles quadrimaculatus
7-Sep-22
Great Falls Library
Fairfax County, VA

Anopheles quadrimaculatus
26-Jul-22
Gunston Park
Fairfax County, VA

Anopheles quadrimaculatus
19-Sep-22
0299 DP
Fairfax County, VA

Anopheles quadrimaculatus
9-Aug-22
Buddy Hole Farm Park
Fairfax County, VA

Anopheles quadrimaculatus
7-Sep-22
Cullum Park
Fairfax County, VA

Anopheles quadrimaculatus
7-Sep-22
Cullum Park
Fairfax County, VA

Anopheles quadrimaculatus
7-Sep-22
Cullum Park
Fairfax County, VA

Anopheles quadrimaculatus
7-Sep-22
Cullum Park
Fairfax County, VA

Anopheles quadrimaculatus
7-Sep-22
Cullum Park
Fairfax County, VA

Anopheles punctipennis
15-Sep-22
Eakin Park
Fairfax County, VA

Anopheles punctipennis
26-Jul-22
Levinville Park
Fairfax County, VA

Anopheles punctipennis
20-Oct-22
Elklick Park
Fairfax County, VA

Anopheles punctipennis
19-Jul-22
Martha Washington Lib.
Fairfax County, VA

Anopheles punctipennis
19-Jul-22
Mason Bluff Park
Fairfax County, VA

Anopheles punctipennis
7-Sep-22
Cullum Park
Fairfax County, VA

Anopheles punctipennis
7-Sep-22
Cullum Park
Fairfax County, VA

Anopheles punctipennis
14-Jul-22
Oodick Homesite
Fairfax County, VA

Anopheles punctipennis
8-Jul-22
Cutler Mill Park
Fairfax County, VA

Anopheles punctipennis
8-Jul-22
Hickory Hills Park
Fairfax County, VA

Anopheles punctipennis
9-Aug-22
Little Difficult Run Park
Fairfax County, VA

Anopheles punctipennis
6-Sep-22
Mickory Hills Park
Fairfax County, VA

Anopheles punctipennis
19-Sep-22
9299 DP
Fairfax County, VA

Anopheles punctipennis
20-Oct-22
Elklick Park
Fairfax County, VA

Anopheles punctipennis
7-Sep-22
Cullum Park
Fairfax County, VA

Anopheles punctipennis
7-Sep-22
Cullum Park
Fairfax County, VA

Anopheles punctipennis
8-Jul-22
Cutler Mill Park
Fairfax County, VA

Anopheles punctipennis
8-Jul-22
Hickory Hills Park
Fairfax County, VA

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Fairfax County, VA

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8-Jul-22
Hickory Hills Park
Fairfax County, VA

Anopheles punctipennis
21-Jul-22
Fairfax Park
Fairfax County, VA

Anopheles punctipennis
15-Sep-22
Vila Lee
Fairfax County, VA

Anopheles punctipennis
19-Sep-22
9299 DP
Fairfax County, VA

Anopheles punctipennis
20-Oct-22
Elklick Park
Fairfax County, VA

Anopheles punctipennis
7-Sep-22
Cullum Park
Fairfax County, VA

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8-Jul-22
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Fairfax County, VA

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Hickory Hills Park
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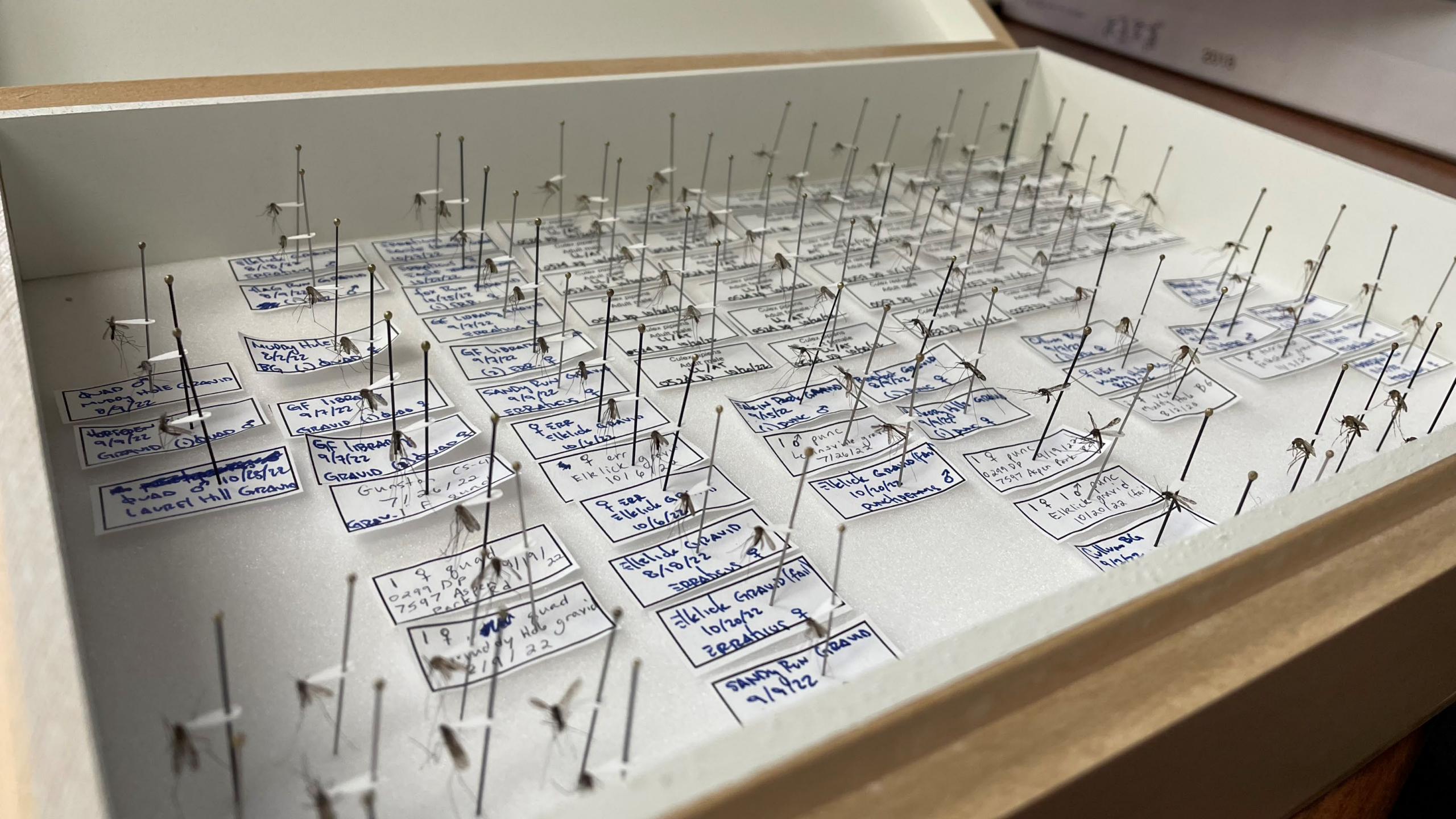
Anopheles punctipennis
7-Sep-22
Cullum Park
Fairfax County, VA

Anopheles punctipennis
8-Jul-22
Cutler Mill Park
Fairfax County, VA

Anopheles punctipennis
8-Jul-22
Hickory Hills Park
Fairfax County, VA

Anopheles punctipennis
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Hickory Hills Park
Fairfax County, VA

Anopheles punctipennis
8-Jul-22
Hickory Hills Park
Fairfax County, VA



QUAD 0
Muddy Hole GRAVID
8/5/22

Horroper
9/9/22
GRAVID (1) Quad 0

~~GRAVID~~
QUAD 0
LAUREL Hill GRAVID
10/6/22

Muddy Hole
2/17/22
BG (1) Quad 0

GF Libran
9/7/22
GRAVID (1) Quad 0

GF Libran
9/7/22
GRAVID (1) Quad 0
Gunston CS-4
7/26/22
GRAV-1 F

1 ♀ Grav
02/19/22
0297 DP
7597 ASPED
PARK

1 ♀ ~~Grav~~ Grav
Muddy Hole Grav
2/19/22

SANDY PUN
9/9/22
ERRATICUS ♀

♀ ERR
Ellelick GRAVID
10/6/22
♀ err
Ellelick GRAVID
10/6/22

♂ ERR
Ellelick GRAVID
10/6/22

Ellelick GRAVID
8/10/22
ERRATICUS ♀

Ellelick GRAVID (fall)
10/20/22
ERRATICUS ♀

SANDY PUN GRAVID
9/9/22

GF Libran
9/7/22
ERRATICUS ♀

GF Libran
9/7/22
(2) ERR ♀

SANDY PUN
9/9/22
ERRATICUS ♀

Culex pipiens
hol. male
5/1/22

Ellelick GRAVID
9/17/22
(1) Quad 0

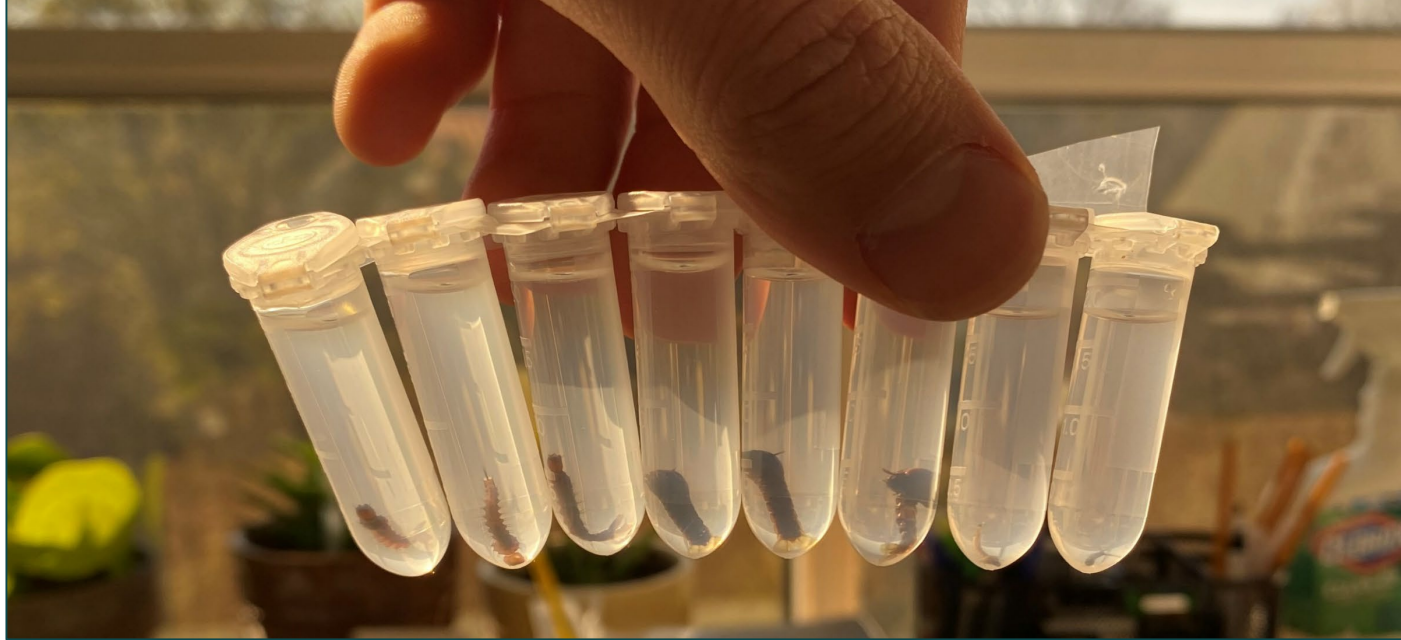
1 ♂ punc
Leansville Grav
7/26/22

Ellelick GRAVID (fall)
10/20/22
ERRATICUS ♂

1 ♀ punc
02/19/22
7597 Aspen Park

1 ♀ 1 ♂ punc
Ellelick Grav d (fall)
10/20/22

Ellelick
9/1/22





Preserve some samples, drop them off with WRBU in Suitland, MD
and get once-in-a-lifetime tour!

Email David Pecor with
questions about
contributing to or
accessing the
collection.

PecorD@si.edu



FAIRFAX COUNTY HEALTH DEPARTMENT

