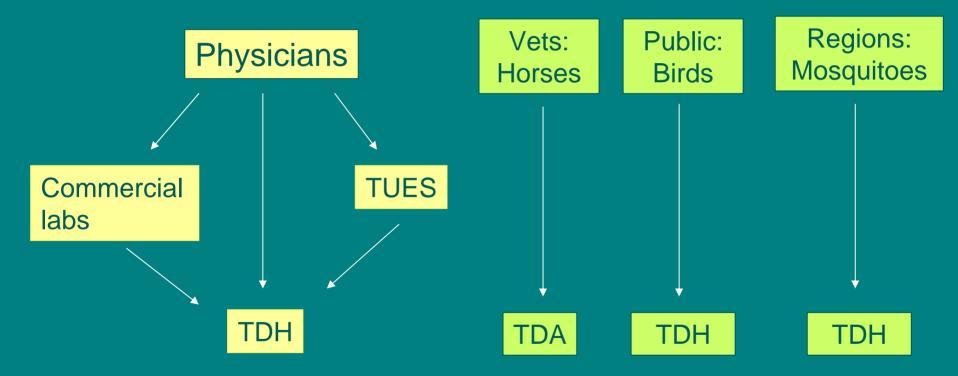
Tennessee's West Nile Submission Site

Abelardo C. Moncayo, Ph.D. State Medical Entomologist Tennessee Department of Health

Major arboviruses 1964-2006



Arboviral surveillance in Tennessee



Tennessee West Nile Submission Site

West Nile Virus Submission Website



Wednesday March 19. 2008



Login





Summary

Tennessee - Department of Health

Our Mission

To promote, protect and improve the health of persons living in, working in, or visiting the State of Tennessee!

Bulletin Board



R

Login



Bulletin Board



Summary

Today is: Wednesday, March 19, 2008

From:	Moncayo, Abelardo Administrator
Subject:	West Nile Season 2008

Posting Time: 3/10/2008 8:53:21 AM

The New West Nile Season will begin on May 1, 2008. The 1st shipment will be accepted on Tues May 6th. Please submit samples weekly by sending them on Mondays so we receive them on Tuesdays and can have results by the end of the week for you.

Wednesday March 19, 2008

Data Summary



0007

Wednesday Marc



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Bulletin Board



Summary

Home

Year to search: 2007			*					
	Mosquito Tested	Mosquito Confirmed	Bird Tested	Bird Confirmed		Veterinary Confirmed	Human Confirmed	Dead
	3803	600	32	7	4	4	11	0
Davidsont	650	1	1	0	0	0	1	0
East	0	0	3	0	0	0	0	0
Hamilton	305	5	6	1	0	0	0	0
Knox	153	0	4	0	1	1	0	0
Madisoni	0	0	0	0	0	0	0	0
Mid Cumberland:	0	0	1	0	0	0	2	0
North East <mark>:</mark>	0	0	3	2	1	1	1	0
Shelby:	2695	594	0	0	0	0	5	0
South Central	0	0	5	0	0	0	0	0
South East:	0	0	2	1	0	0	0	0
Sullivani	0	0	2	1	1	1	2	0
Upper Cumberland:	0	0	2	0	1	1	0	0
West	0	0	З	2	0	Û	0	0

Data Summary

Thursday March 20. 2008



Vear to easrch: 2006

Login



Bulletin Board



Summary

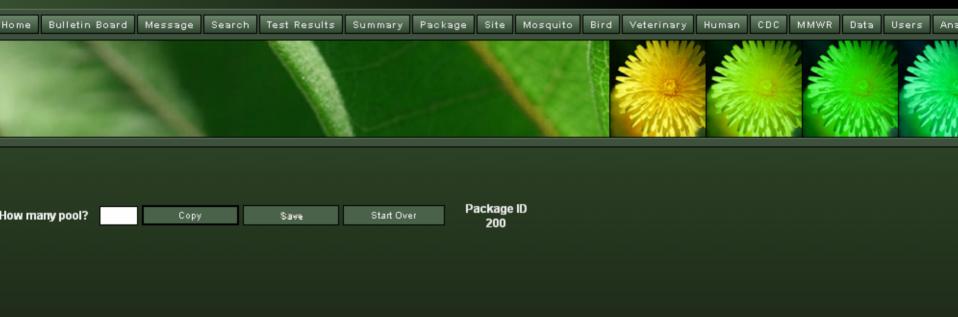
Year to search: 2006			~					
	Mosquito Tested	Mosquito Confirmed	Bird Tested	Bird Confirmed		Veterinary Confirmed	Human Confirmed	Dead
	5935	626	20	1	8	8	22	1
Davidson:	1450	21	0	0	0	0	1	0
East	0	0	8	1	2	2	0	0
Hamilton :	195	0	2	0	0	0	0	0
Knox	187	0	3	0	0	0	0	0
Madison:	90	3	0	0	0	0	0	0
Mid Cumberland:	0	0	1	0	1	1	2	1
North East:	0	0	1	0	0	0	0	0
Shelby:	4013	602	0	0	1	1	14	0
South Central	0	0	2	0	0	0	0	0
South East	0	0	0	0	1	1	0	0
Sullivan:	0	0	1	0	0	0	0	0
Upper Cumberland	0	0	2	0	0	0	0	0
West	0	0	0	0	3	3	5	0

Home Bulletin Board Message Search Test Results Summary Package Site Mosquito Bird Veterinary Human CDC MMWR Data Users A

IT Department of HSA For any suggestion feel free to Contact Us HSA Codii

Entering mosquito data

West Nile Virus Submission Website



	VIAL ID	Collection Date	Address	City	Zip	County	Long	Lati	Species	Total Per Pool	Trap Method		Public Info
1						Anderson	¥		Aedes aegypti	×	Gravid	~	

Searching of data



💿 Mosquito 💿 Bird 💿 Veterinary 💿 Human

Wednesday Marc



Search for samples according to the data category and result type. You can search all data or search by region. You can also search a specific vial ID or a part of the ID, i.e. 2005M-16, which will display all 2005 data for mosquitoes, from county number 16.

v

Year to search: 2008

Search by VIAL ID

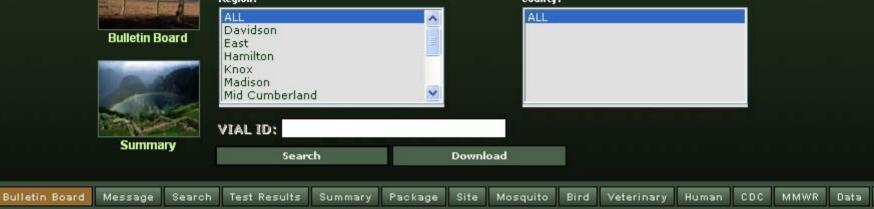


Bulletin Board



Home

ALL O Pending O Confirmed O Negative O Equivocal O Unsatisfactory Region: County:



Searching of data

)elete	e Selected		Edit Selecte	d															
		VIAL	ID	Collection Date	Address	City	Zip	County	Long	Lati	Species	Total Per Pool	Trap Method	Blood Fed	Test Result	Created	Sent	Received	Test Date	Public Info
1		2007M-79)-0669	06/18/2007	6762 Stonebreak	Bartlett	38135	Shelby	- 89.836952	35.222067	Culex species	50	Gravid		Confirmed	6/22/2007	6/27/2007	7/2/2007	7/9/2007	
2		2007M-79)-0680	06/18/2007	5141 Cotswold	county	38125	Shelby	- 89.821667	35.00779	Culex species	50	Gravid		Confirmed	6/22/2007	6/27/2007	7/2/2007	7/9/2007	
3		2007M-79)-0764	06/20/2007	517 Bon Air	Memphis	38112	Shelby	- 89.952824	35.146658	Culex species	35	Gravid		Confirmed	6/22/2007	6/27/2007	7/2/2007	7/11/2007	
4		2007M-79)-0807	06/21/2007	3102 Ridgeway	Memphis	38115	Shelby	- 89.856866	35.064223	Culex species	8	Gravid		Confirmed	6/22/2007	6/27/2007	7/2/2007	7/11/2007	
5		2007M-79)-0811	06/21/2007	6649 Malej	Memphis	38141	Shelby	- 89.840830	35.016257	Culex species	50	Gravid		Confirmed	6/22/2007	6/27/2007	7/2/2007	7/11/2007	
6		2007M-79)-0812	06/21/2007	6878 glenwick	Memphis	38141	Shelby	- 89.834329	35.026813	Culex species	50	Gravid		Confirmed	6/22/2007	6/27/2007	7/2/2007	7/11/2007	
7		2007M-79)-0842	06/25/2007	4388 Old North Bridge	county	38125	Shelby	- 89.819931	35.028244	Culex species	50	Gravid		Confirmed	7/2/2007	7/9/2007	7/10/2007	7/13/2007	\mathbf{N}
8		2007M-79)-0843	06/25/2007	5141 Cotswold	county	38125	Shelby	- 89.821667	35.00779	Culex species	50	Gravid		Confirmed	7/2/2007	7/9/2007	7/10/2007	7/13/2007	
9		2007M-79)-0860	06/26/2007	932 Seventh	Memphis	38107	Shelby	- 90.037890	35.166990	Culex species	36	Gravid		Confirmed	7/2/2007	7/9/2007	7/10/2007	7/13/2007	
10		2007M-79)-0934	06/28/2007	5839 Myers	Memphis	38115	Shelby	- 89.868529	35.045078	Culex species	50	Gravid		Confirmed	7/2/2007	7/9/2007	7/10/2007	7/17/2007	
				1	2	3		4		5	6		7		8	9		10	>>	

Entering test results

West Nile Virus Submission Website

Home	Bulletin Board	Message	Search	Test Results	Summary	Package	Site	Mosquito	Bird	Veterinary	Human	CDC	MMWR	Data	Users	An
4		18	1		認出	強約の	X				2 3	W.W	0 1	11/2	1.1	
	199						A.		ZA-							
									返	The	1 Th	1	19	1455	19	1

Wednesday March 19. 2008



Login

12.00	
Bulletin Board	

Select a sample or samples to change results. "Post" to view and then "save" it to the database. Time and date changes automatically when you enter new results. This will expedite your result entry.

	Test Res	ult: Pel	nding		~
	Check	(All	Post to Selec	ted Records:	
		s	ave	Cano	el
	#	Selected	VIAL ID	Test Result	Date Reported
	1		2007M-79-0669	Confirmed	7/9/2007 8:59:06 AM
9	2		2007M-79-0680	Confirmed	7/9/2007 8:59:06 AM
oard	3		2007M-79-0764	Confirmed	7/11/2007 3:59:17 PM
	4		2007M-79-0807	Confirmed	7/11/2007 3:59:17 PM
and the second	5		2007M-79-0811	Confirmed	7/11/2007 3:59:17 PM
	6		2007M-79-0812	Confirmed	7/11/2007 3:59:17 PM
1	7		2007M-79-0842	Confirmed	7/13/2007 4:32:37 PM

Creating xml reports

West Nile Virus Submission Website



Wednesday March 19, 2008

Loain



Bulletin Board



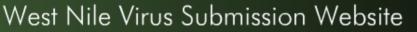
Mark the End Week .

Denominator Numerator

CDC's Date List in Database:

1 12/30/2007 1/5/2008	
2 1/6/2008 1/12/2008	
3 1/13/2008 1/19/2008	
4 1/20/2008 1/26/2008	
5 1/27/2008 2/2/2008	
6 2/3/2008 2/9/2008	
7 2/10/2008 2/16/2008	
8 2/17/2008 2/23/2008	
9 2/24/2008 3/1/2008	
10 3/2/2008 3/8/2008	
11 3/9/2008 3/15/2008	
12 3/16/2008 3/22/2008	
13 3/23/2008 3/29/2008	
14 3/30/2008 4/5/2008	
15 4/6/2008 4/12/2008	
16 4/13/2008 4/19/2008	1

Addition of data







Summary

Addition of Users

West Nile Virus Submission Website



Wednesday March 19. 2008

			Get User Info	
	Add User Delete Us	er Reset Password	Anderson, Michael	~
Login	First Name:		Areola, Sánmi	
	Last Name:		Atkins, Hugh	
E. C.	Job Desc:		Beam, Sharon	
Contraction of the local division of the	Phone:		Belton, Jim	
1011:55	Email:		Benson, Linda	
216 CAR	User ID:		Bowery, Bill Brogan, Jack	
Dullatin Deard	Password:		Brown, Jeff	
Bulletin Board	Role:		Brumley, David	-



Summary

Analysis

West Nile Virus Submission Website



Wednesday March 19, 2008



Login



Bulletin Board



Summary

Counts by region: These analyses are for mosquito data only.

Contact me if you have any suggestion.

View Counts by Region

View ratio by ZIP over time

View ratio by Region over time

View Tennessee's map

View Counts by region/zipcode

For your analysis chose year, region and any other attributes needed. Not selecting an attribute will automatically generate a graph of mosquitoes collected.

Bulletin Board Summary		Login	Select Ye Select Re	gion:		i g ⊻ Conf Draw	īrmed 🔲	¥ ¥ Negative	Equivoo	cal 🗖 Unsa	tisfactory			
			# Poo	150 100 50 0	3002	38053	3810			38120				
n Board Message Search Test Results Summary Package Site Mosquito Bird Veterinary Human CDC MMWR Data Users A A	n Board	Message Search	n Test Re	sults	Summar	y Packa	ige Site	Mosqui	to Bird	Veterinar	y Human	СОС ММ	WR Data	_

Bullet

Home

IT Department of HS For any suggestion

Zip code infection rate through time

Wednesday March 19. 2008

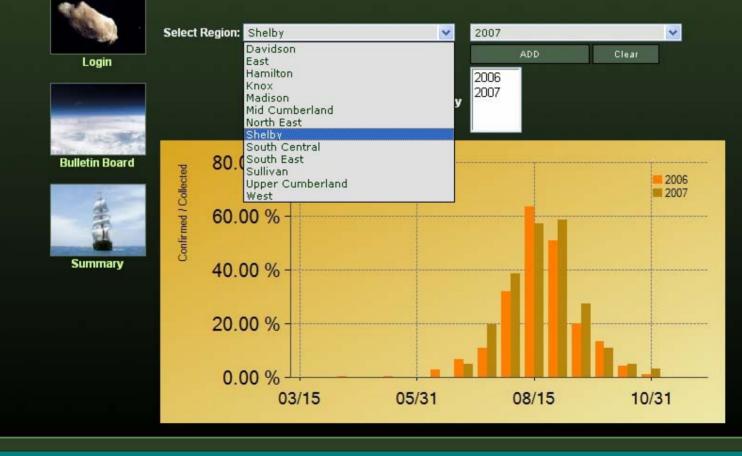


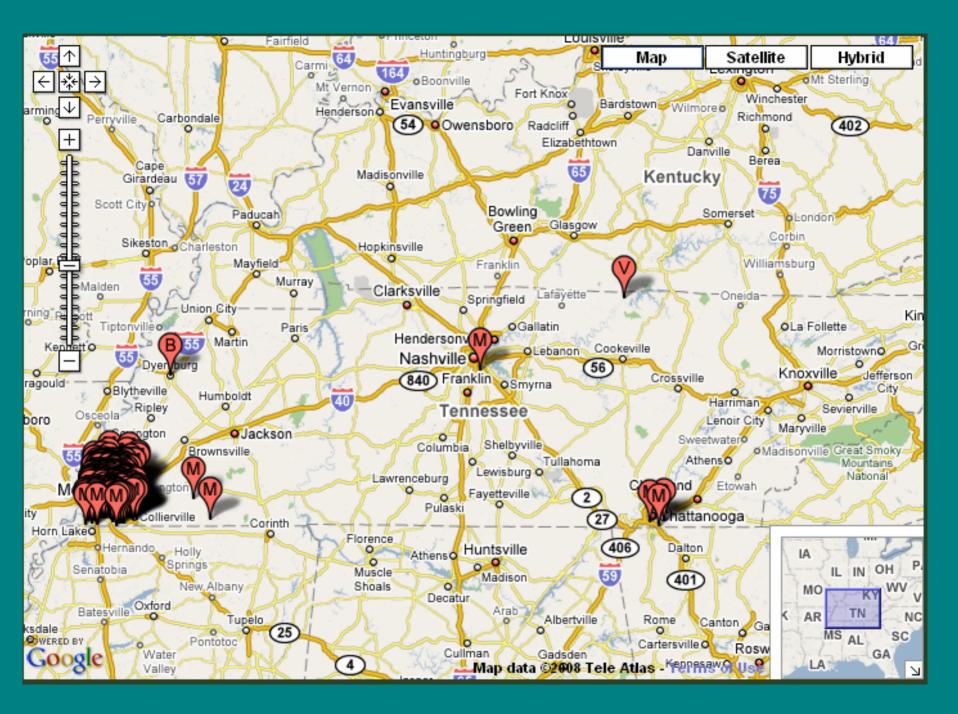
Home

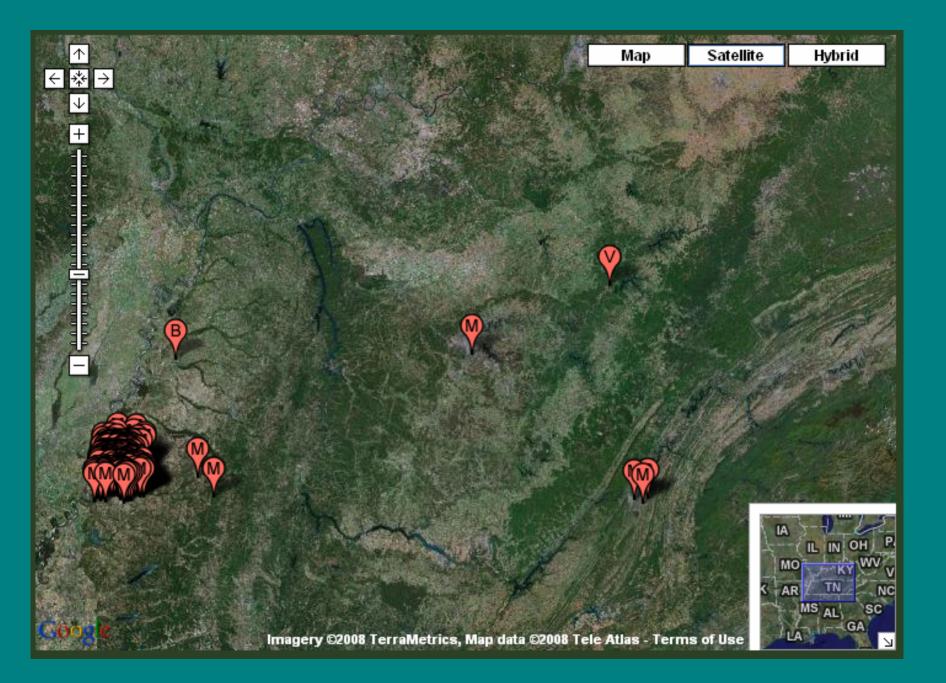
County infection rate through time

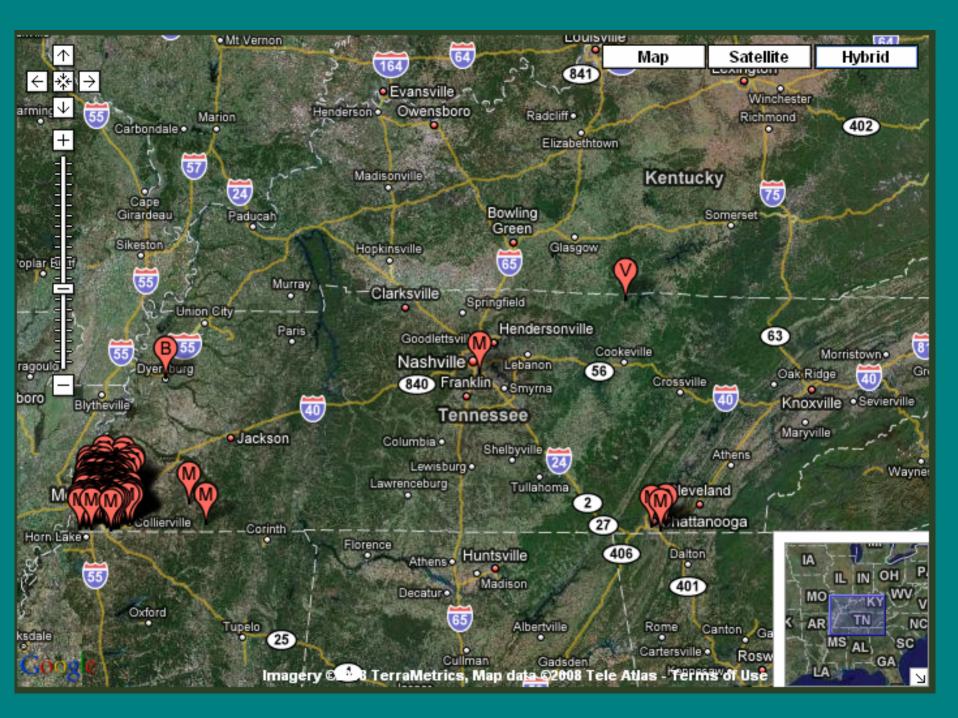
Wednesday March 19. 2008

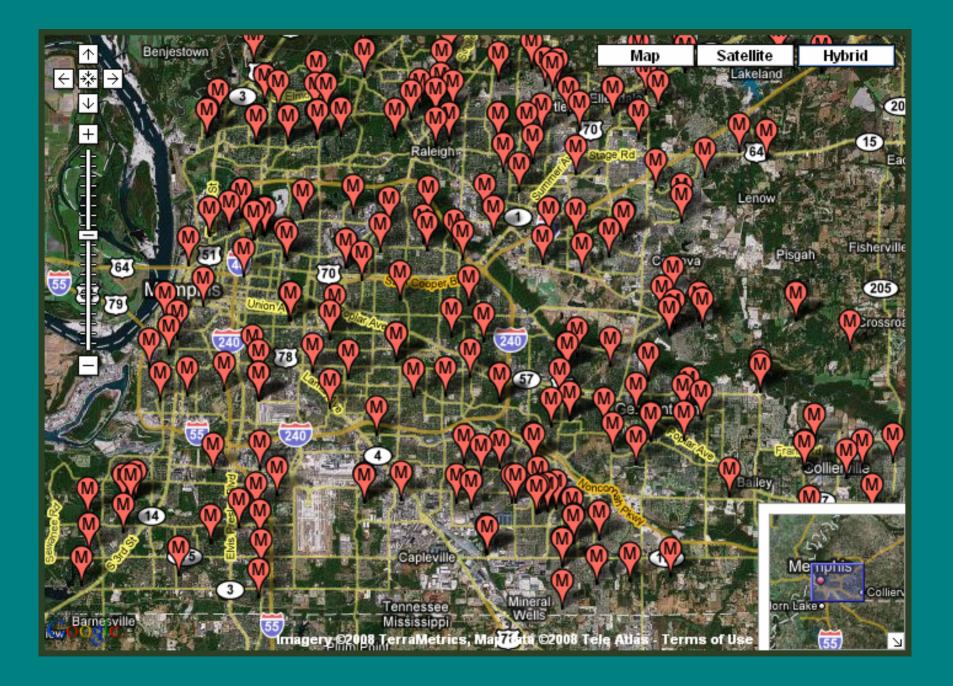
View percent positive mosquitoes by region over time. Select Region, and add year. Not selecting the other attributes will automatically produce graphs with non-accumulated data.







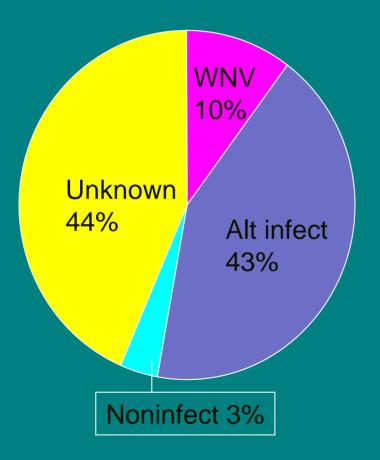




Future

- Multiplex for arboviruses 2008
- Apply cell culture techniques
- Update West Nile Site to the Arbovirus Submission Site

If Not WNV, Then What Is It?



- HSV
- VZV
- RMSF
- Ehrlichia
- La Crosse Virus
- Rabies
- Mycoplasma (?)

Potential arboviruses

Bunyaviridae La Crosse **South River** Potosi Lokern **Tensaw Trivittatus Cache Valley Keystone Jamestown Canyon** San Angelo Main Drain Flaviviridae St. Louis encephalitis **Cowbone ridge** Dengue **Yellow fever**

Togaviridae

Eastern equine encephalitis Western equine encephalitis Venezuelan equine encephalitis Highlands J virus Fort Morgan Chickungunya Rift Valley Fever Rhabdoviridae Flanders Farmington Rhode Island