National Haemaphysalis longicornis (Asian longhorned tick) Situation Report

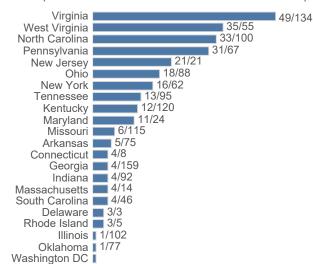
As of February 26, 2025

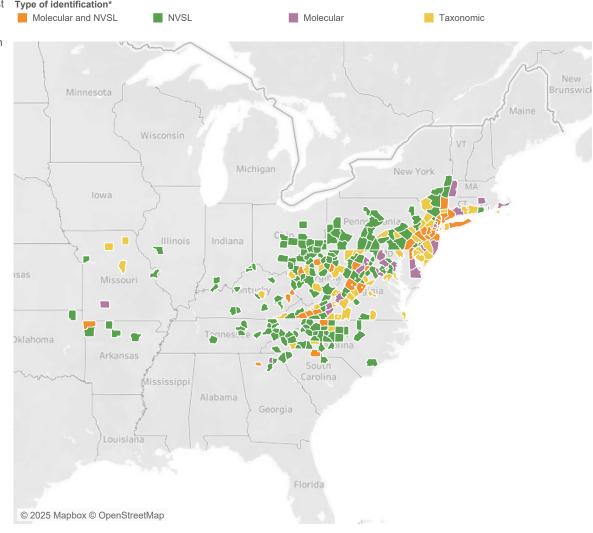
Haemaphysalis longicornis (Asian longhorned tick), an exotic East Type of identification* Asian tick, has never previously established a population in the United States. It is a known serious pest of livestock in the Australasian and Western Pacific Regions where it occurs. It is an aggressive biter and frequently builds intense infestations on domestic hosts causing great stress, reduced growth and production, and severe blood loss.

The tick can reproduce parthenogenetically (without a male); as such, a single fed female tick can create a population. It is also a known/suspected vector of several viral, bacterial, and protozoan agents of livestock and human diseases. This three-host tick can spread pathogens among a diverse host range, on which it feeds side-by-side with other tick species. The detections detailed here are the first reports of this tick out of guarantine in the United States.

States with confirmed local Asian longhorned

tick populations with number of counties in each state. (# of confirmed counties / total # of counties)

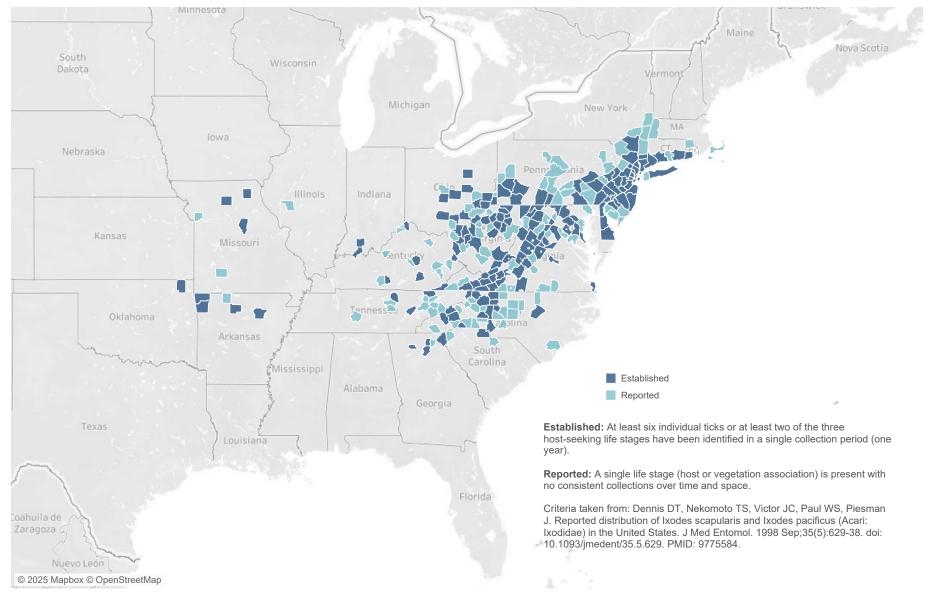






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* H. longicornis identification: NVSL= USDA, National Veterinary Services Laboratories. NVSL performs taxonomic identifications and is the preferred lab for confirmation of new states, counties, and hosts, Molecular= Confirmation of tick species by polymerase chain reaction (PCR) or other DNA-based technology. Taxonomic= Identification by key tick features at a lab other than NVSL.



Counties with established Asian longhorned tick populations

USDA United States Department of Agriculture

Asian longhorned tick positive hosts information

Type of identification (single) - Not aggregated Molecular and NVSL NVSL

Molecular

Number of positive hosts

Environment*	1,851	Gray Catbird 9	Bald eagle 2	Bactrian deer 1
Dog* 178		Red-tailed hawk 9		Blue Jay 1
White-tailed Deer*		Unknown* 9	Barred Owl 2	Brown Booby 1
Human* 129 Raccoon* 114		Eastern cottontail rabbit* 7	Black Bear 2	Canada Goose 1
Cow* 71		Coyote 5		Carolina Wren 1
Virginia opossum* 📙60		Dog/Cat* 5	Eastern chipmunk 2	Fallow Deer 1
Cat* 27		Gray Fox* 5	Northern Cardinal 2	House Wren 1
Elk 17		Pere David's deer 4		
Groundhog* 17 Horse* 16	Positives here are an accession	Sheep* 4	Peromyscus leucopus 2	Przewalski's Horse? 1
Striped Skunk* 15	case count rather than an actual host	Chicken 3	Peromyscus sp. 2	Red-shouldered Hawk 1
Red Fox* 12		Goat 3		Sichuan Takin 1
Gray Squirrel* 11	count.	Great horned owl 3	Pig* 2	Song Sparrow 1

Timeline of Asian longhorned tick host positives

* Confirmed since last situation report.

	2017	2018	2019	2020	2021	2022	2023	2024
	Mar Apr Jun Jul Sep Oct Nov	Jan Feb Jun Jun Aug Sep Oct Nov	Jan Feb Mar Jun Jun Aug Sep Oct Nov	Jan Feb Mar Jun Jun Sep Sep Oct	Jan Feb Mar Jun Jun Aug Sep Oct Nov	Jan Feb Jun Jun Sep Oct Nov	Jan Feb Jun Jun Sep Sep Oct	Jan Feb Mar Jun Jun Sep Sep Nov
Environment*								
Human*								
Black bear								
Cat*							•	
Dog*								
Sheep*	-							
White-tailed Deer*								
Virginia opossum*	-						•	-
Cow*								
Raccoon*				• • • • • • • • • • • • • • • • • • •			•	
Red Fox*							-	
Horse*		•	-					
Goat				Image: A state of the state				
Eastern cottontail rabbit*		-	-	•				
Groundhog* Striped Skunk*								
Striped Skunk*								
Gray fox*		-					—	
Coyote			-					
Elk		Image: A state of the state						
Red-tailed Hawk		•	-		•			
Pig*		•						
Canada Goose								
Unknown*					—		—	
Chicken			Image:	—		•		
Gray Squirrel*			-	Image: A state of the state				
Brown Booby				•				
Great horned owl						-		
Peromyscus sp.					-			
Northern Cardinal					—			
Peromyscus leucopus								
Bald Eagle								
Barred Owl					• •			
Red-shouldered Hawk								
Blue Jay								
Carolina Wren								
Gray Catbird								
House Wren								
Eastern chipmunk								
Dog/Cat*								
Song Sparrow								
Pere David's deer	Prior to 2017 ticks	wore collected from a	white-tailed deer in 2010					
Przewalski's Horse?								
Sichuan Takin		nvironment in 2014 and	2015, and an unknown				•	
Bactrian deer Fallow Deer	host in 2015.							



Earliest collected	Earliest confirmed	State	County	Host	
8/31/2010	6/25/2018	West Virginia	Tyler	White-tailed Deer	NVSL
5/30/2013	6/4/2018	New Jersey	Union	Dog	Molecular and NVSL
5/30/2014	8/14/2018	New York	Richmond	Environment	Molecular and NVSL
10/14/2014	9/2/2021	Pennsylvania	Fayette	Environment	NVSL
6/1/2015		New Jersey	Somerset	Environment	Molecular
6/29/2015		New Jersey	Somerset	Unknown	Molecular
3/27/2017	6/7/2018	Virginia	Fairfax	Environment	NVSL
4/10/2017		Virginia	Warren	Environment	Taxonomic
5/1/2017	4/23/2018	New Jersey	Union	Environment	Molecular and NVSL
5/22/2017		Pennsylvania	Bucks	Human	Taxonomic
			Chester	Human	Taxonomic
6/2/2017		New York	Westchester	Environment	Molecular
	4/23/2020	Kentucky	Floyd	Black bear	Molecular and NVSL
6/7/2017	7/6/2018	West Virginia	Marion	Cat	NVSL
6/19/2017		Virginia	Clarke	Environment	Taxonomic
7/31/2017		New Jersey	Bergen	Dog	Molecular
8/1/2017	4/20/2018	New Jersey	Hunterdon	Environment	Molecular and NVSL
	11/9/2017	New Jersey	Hunterdon	Sheep	Molecular and NVSL
9/1/2017	6/28/2018	West Virginia	Taylor	White-tailed Deer	NVSL
9/15/2017	6/25/2018	North Carolina	Polk	Virginia opossum	NVSL
3/1/2018	5/14/2018	Virginia	Albemarle	Cow	NVSL
3/28/2018		North Carolina	Madison	Dog	Taxonomic
4/19/2018	6/27/2018	West Virginia	Lincoln	Dog	NVSL
4/20/2018	4/26/2018	New Jersey	Hunterdon	White-tailed Deer	Molecular and NVSL
5/1/2018		Arkansas	Benton	Dog	Molecular
	5/14/2018	New Jersey	Hunterdon	Virginia opossum	NVSL
5/2/2018	6/18/2018	West Virginia	Putnam	Dog	NVSL
5/3/2018	5/25/2018	New Jersey	Hunterdon	Raccoon	NVSL
5/6/2018	10/11/2018	New Jersey	Union	Raccoon	Molecular and NVSL
	11/15/2018	New Jersey	Union	Virginia opossum	Molecular and NVSL
5/8/2018	7/27/2018	Virginia	Grayson	Environment	NVSL
	11/1/2018	New Jersey	Union	Red Fox	NVSL
5/10/2018	5/14/2018	New Jersey	Middlesex	Environment	Molecular and NVSL
	5/30/2018	Virginia	Warren	Horse	NVSL
	6/4/2018	New Jersey	Mercer	Environment	Molecular and NVSL
			Union	Horse	NVSL
5/17/2018	5/23/2018	New Jersey	Middlesex	Sheep	NVSL
5/18/2018	5/21/2018	West Virginia	Hardy	Cow	NVSL
5/23/2018	9/4/2018	Pennsylvania	Bucks	Environment	NVSL
5/24/2018	6/4/2018	New Jersey	Middlesex	Goat	NVSL
5/25/2018	9/13/2018	Virginia	Rockbridge	White-tailed Deer	NVSL
5/26/2018	6/19/2018	West Virginia	Ritchie	Dog	NVSL
5/27/2018		New Jersey	Somerset	White-tailed Deer	Molecular
5/28/2018		West Virginia	Randolph	Dog	Taxonomic



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Earliest collected	Earliest confirmed	State	County	Host	
6/1/2018	8/31/2018	Virginia	Russell	Dog	NVSL
6/2/2018	10/4/2018	Virginia	Albemarle	White-tailed Deer	Molecular and NVSL
6/3/2018		New York	Richmond	White-tailed Deer	Molecular
6/4/2018	6/28/2018	New York	Westchester	Human	Molecular and NVSL
6/6/2018	7/3/2018	Virginia	Albemarle	Environment	NVSL
6/7/2018	6/28/2018	Virginia	Smyth	Environment	Molecular and NVSL
	11/28/2018	Virginia	Albemarle	Raccoon	NVSL
6/8/2018	12/4/2018	Virginia	Albemarle	Eastern cottontail rabbit	NVSL
6/10/2018	9/13/2018	Virginia	Augusta	White-tailed Deer	Molecular and NVSL
	11/28/2018	Virginia	Albemarle	Groundhog	NVSL
				Virginia opossum	NVSL
	11/30/2018	Virginia	Albemarle	Striped Skunk	NVSL
6/11/2018		Virginia	Rappahannock	Horse	Taxonomic
6/13/2018	9/13/2018	Virginia	Pulaski	Gray Fox	NVSL
6/15/2018		Virginia	Shenandoah	Eastern cottontail rabbit	Molecular
	9/13/2018	Virginia	Staunton City	White-tailed Deer	NVSL
6/18/2018		New York	Bronx	Environment	Taxonomic
6/21/2018		Virginia	Frederick	Gray fox	Molecular
	7/10/2018	West Virginia	Hardy	Cat	NVSL
	7/23/2018	West Virginia	Hardy	Dog	NVSL
	8/10/2020	Rhode Island	Washington	Environment	NVSL
	8/27/2018	New York	Rockland	Environment	Molecular and NVSL
6/22/2018	8/24/2018	West Virginia	Upshur	Coyote	Molecular and NVSL
6/23/2018	7/27/2018	Virginia	Giles	Environment	NVSL
		-	Wythe	Environment	Molecular and NVSL
6/25/2018	6/29/2018	Virginia	Page	Cow	NVSL
	7/27/2018	Maryland	Washington	White-tailed Deer	NVSL
7/1/2018	8/28/2018	Connecticut	Fairfield	Environment	Molecular and NVSL
	8/31/2018	Virginia	Carroll	Dog	NVSL
			Scott	Dog	NVSL
7/2/2018	7/10/2018	West Virginia	Monroe	Cow	NVSL
7/4/2018	10/4/2018	Virginia	Clarke	Red Fox	NVSL
7/5/2018	7/11/2018	Virginia	Pulaski	Cow	NVSL
	7/25/2018	New Jersey	Bergen	Human	Molecular
7/6/2018	7/23/2018	West Virginia	Ritchie	Environment	NVSL
7/7/2018	7/11/2018	West Virginia	Mason	Dog	Molecular and NVSL
7/10/2018	7/26/2018	Pennsylvania	Centre	White-tailed Deer	NVSL
	8/7/2018	West Virginia	Cabell	Dog	NVSL
7/11/2018	3/27/2019	Virginia	Greene	Red Fox	NVSL
7/12/2018	7/16/2018	New Jersey	Bergen	Environment	Molecular and NVSL
7/15/2018		Kentucky	Martin	White-tailed Deer	Taxonomic
	3/8/2019	Kentucky	Martin	Elk	Molecular and NVSL
7/16/2018	6/11/2019	West Virginia	Ritchie	Cow	NVSL
7/23/2018		Massachusetts	Barnstable	Dog	Molecular
7/27/2018		Virginia	Floyd	Human	Molecular
		West Virginia	Marion	Dog	Taxonomic
7/31/2018	9/6/2018	New Jersey	Somerset	Dog	Molecular and NVSL
8/1/2018	3/25/2019	New York	Dutchess	Environment	Molecular and NVSL
	5/1/2019	West Virginia	Hampshire	White-tailed Deer	NVSL



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Earliest collected	Earliest confirmed	State	County	Host	
8/3/2018	9/4/2018	New Jersey	Union	Groundhog	NVSL
8/4/2018		New Jersey	Union	Human	Molecular
8/5/2018		New York	Westchester	Dog	Molecular
	8/23/2024	Virginia	Fauquier	Environment	NVSL
8/7/2018	8/17/2018	New Jersey	Monmouth	Environment	Molecular and NVSL
8/9/2018	8/14/2019	Virginia	Carroll	Environment	NVSL
8/12/2018		New York	Richmond	Dog	Molecular
8/14/2018	9/14/2018	North Carolina	Rutherford	Dog	NVSL
8/16/2018		Virginia	Warren	Human	Molecular
8/21/2018	5/20/2022	Connecticut	Fairfield	Human	Molecular and NVSL
8/24/2018		New York	Rockland	Dog	Molecular
	10/4/2018	New York	Suffolk	Environment	Molecular and NVSL
8/25/2018	10/4/2018	Virginia	Rockingham	White-tailed Deer	NVSL
8/26/2018	9/20/2018	North Carolina	Davidson	Human	NVSL
8/28/2018	5/1/2019	West Virginia	Wirt	White-tailed Deer	NVSL
8/30/2018		West Virginia	Lewis	Environment	Taxonomic
	4/17/2019	West Virginia	Lewis	White-tailed Deer	NVSL
8/31/2018	11/16/2018	West Virginia	Barbour	Dog	NVSL
9/4/2018		West Virginia	Hardy	Environment	Molecular
9/6/2018	9/26/2018	New Jersey	Middlesex	Dog	Molecular and NVSL
9/17/2018		South Carolina	York	Human	Molecular
	10/4/2018	Virginia	Page	Red-tailed hawk	NVSL
9/20/2018		West Virginia	Hardy	White-tailed Deer	Taxonomic
	7/18/2019	Virginia	Fairfax	Human	Taxonomic
9/28/2018	10/26/2018	New Jersey	Somerset	Cat	NVSL
10/1/2018		New Jersey	Somerset	Raccoon	Taxonomic
10/3/2018		West Virginia	Grant	White-tailed Deer	Taxonomic
10/4/2018		Virginia	Botetourt	Environment	Molecular
10/6/2018		Pennsylvania	Bucks	Dog	Molecular
10/8/2018	10/21/2021	New Jersey	Middlesex	Human	Molecular and NVSL
10/15/2018	11/1/2018	New Jersey	Middlesex	Pig	NVSL
10/18/2018	7/10/2020	Virginia	Pulaski	Environment	NVSL
3/28/2019		New York	Suffolk	White-tailed Deer	Molecular
	11/22/2019	North Carolina	Haywood	Dog	NVSL
4/5/2019	4/15/2019	Arkansas	Benton	Environment	NVSL
4/7/2019	5/3/2019	Maryland	Prince George's	Human	NVSL
4/8/2019		Pennsylvania	Chester	Red-tailed Hawk	Taxonomic
4/10/2019		Virginia	Roanoke	Dog	Taxonomic
4/15/2019		Virginia	Albermarle	Red Fox	Taxonomic
4/19/2019	9/2/2021	Pennsylvania	Franklin	Environment	NVSL
4/30/2019		Maryland	Anne Arundel	Environment	Molecular



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Earliest collected	Earliest confirmed	State	County	Host	
5/1/2019		North Carolina	Haywood	Environment	Taxonomic
5/3/2019		Pennsylvania	Montgomery	Environment	Taxonomic
	12/6/2019		Chester	Environment	NVSL
		Pennsylvania	Philadelphia	Environment	NVSL
5/7/2019		Virginia	Fauquier	Red Fox	Taxonomic
5/12/2019		Pennsylvania	Perry	Dog	Taxonomic
5/13/2019	5/21/2019	Tennessee	Union	Dog	NVSL
5/16/2019	3/19/2021	North Carolina	Madison	Environment	NVSL
5/17/2019	8/14/2019	Virginia	Washington	Environment	Molecular and NVSL
5/21/2019	7/19/2019	New York	Unknown	Canada Goose	Molecular and NVSL
5/22/2019	5/24/2019	Tennessee	Roane	Cow	NVSL
6/1/2019	8/14/2019	Delaware	New Castle	Environment	Molecular and NVSL
6/3/2019		West Virginia	Ritchie	Unknown	Molecular
6/5/2019		Virginia	Pittsylvania	Environment	Taxonomic
6/6/2019		Virginia	Bedford	White-tailed Deer	Taxonomic
0,0,2010	7/9/2019	New Jersey	Somerset	Human	NVSL
6/7/2019		West Virginia	Upshur	Dog	Taxonomic
0,112010	6/11/2019	0	Knox	Cow	NVSL
	0/11/2010	Tennessee	T(TOX	White-tailed Deer	NVSL
6/11/2019	7/19/2019	New Jersey	Hunterdon	Dog	NVSL
6/12/2019	1110/2010	Maryland	Allegany	Environment	Taxonomic
6/14/2019		New Jersey	Bergen	White-tailed Deer	Taxonomic
0/14/2010		Tennessee	Roane	Environment	Taxonomic
6/18/2019		Pennsylvania	Allegheny	Human	Taxonomic
6/19/2019		Virginia	Augusta	Eastern cottontail rabbit	Taxonomic
6/20/2019	7/3/2019	North Carolina	Surry	Cow	NVSL
6/21/2019	110/2010	Virginia	Galax City	Environment	Taxonomic
6/24/2019		Virginia	Montgomery	Environment	Molecular
0/24/2010		West Virginia	Harrison	Dog	Taxonomic
6/25/2019		Virginia	Fauquier	Cow	Taxonomic
6/27/2019		New York	Richmond	Raccoon	Molecular
7/1/2019		Virginia	Wythe	Cow	Taxonomic
11 11 2010	7/11/2019	West Virginia	Wood	Cow	NVSL
7/5/2019	8/13/2019	Pennsylvania	Chester	Chicken	Molecular and NVSL
7/6/2019	0,10,2010	North Carolina	Surry	White-tailed Deer	Molecular
7/8/2019		New York	Suffolk	Human	Molecular
7/9/2019	7/22/2019	Tennessee	Jefferson	Dog	NVSL
7/10/2019	.,	New Jersey	Morris	White-tailed Deer	Taxonomic
.,		West Virginia	Hampshire	Dog	Taxonomic
7/12/2019	7/25/2019	North Carolina	Alexander	Dog	NVSL
7/13/2019		Virginia	Rockbridge	Environment	Taxonomic
7/15/2019		Pennsylvania	Delaware	Human	Taxonomic
7/16/2019		New York	Richmond	Virginia opossum	Molecular
7/19/2019		New Jersey	Bergen	Unknown	Taxonomic
.,		Pennsylvania	Montgomery	Human	Taxonomic
7/25/2019	8/13/2019	West Virginia	Monongalia	Cat	NVSL
7/26/2019	0, 10/2010	Delaware	Kent	Environment	Molecular
1120/2010	12/31/2019	North Carolina	Wilkes	Dog	NVSL
7/29/2019	9/10/2019	Tennessee	Claiborne	Dog	NVSL
	0, 10/2010	10111000000	0.000110		



Earliest collected	Earliest confirmed	State	County	Host	
8/2/2019		New Jersey	Camden	Human	Molecular
8/5/2019		Virginia	Prince William	Environment	Molecular
8/19/2019		New Jersey	Middlesex	Unknown	Molecular
8/24/2019	12/12/2019	Tennessee	Cocke	Cow	NVSL
8/27/2019			Richmond	Cat	Molecular
0.2.,2010		New York		Striped Skunk	Molecular
	3/3/2020	West Virginia	Mineral	White-tailed Deer	NVSL
8/31/2019	9/10/2019	Tennessee	Sevier	Cow	NVSL
9/1/2019	0,10,2010	Virginia	Page	Environment	Taxonomic
9/2/2019		Maryland	Montgomery	Human	Molecular
9/5/2019		West Virginia	Hampshire	Environment	Taxonomic
9/8/2019			Albemarle	Coyote	Taxonomic
9/0/2019		Virginia	Albeillalle	Human	Taxonomic
9/9/2019		New Jersey	Hudson	Environment	Taxonomic
9/9/2019			Richmond	Gray squirrel	Molecular
		New York	Richmonu	Groundhog	Molecular
	12/6/2019	Pennsylvania	Delaware	Environment	NVSL
9/12/2019	12/0/2019	Virginia	Shenandoah	Environment	Taxonomic
9/13/2019		Virginia	Goochland	Environment	Taxonomic
		0			
9/16/2019		Connecticut	Fairfield	Dog	Molecular
0147/0040	0/07/00 10	New Jersey	Hudson	Dog	Molecular
9/17/2019	9/27/2019	Tennessee	Putnam	Dog	NVSL
9/18/2019	10/21/2019	West Virginia	Doddridge	Dog	NVSL
9/21/2019		New Jersey	Warren	Environment	Taxonomic
9/27/2019		Connecticut	New London	Environment	Taxonomic
	12/6/2019	Pennsylvania	Northampton	Environment	NVSL
10/1/2019		New Jersey	Sussex	Environment	Taxonomic
10/28/2019	11/12/2019	New Jersey	Passaic	Environment	NVSL
12/16/2019	12/20/2019	New York	Orange	Horse	NVSL
3/9/2020		North Carolina		Environment	Taxonomic
		Virginia	Washington	Cow	Taxonomic
3/11/2020		Maryland	Howard	White-tailed Deer	Taxonomic
4/5/2020	4/16/2020	West Virginia	Kanawha	Environment	NVSL
4/22/2020		Pennsylvania	Lehigh	Environment	Taxonomic
		West Virginia	Monongalia	Dog	Taxonomic
4/28/2020	10/29/2020	Pennsylvania	Dauphin	Environment	NVSL
5/4/2020	8/13/2020	New Jersey	Bergen	Brown Booby	NVSL
5/6/2020		West Virginia	Doddridge	Environment	Taxonomic
5/15/2020	7/10/2020	Tennessee	White	Dog	NVSL
5/17/2020		Virginia	Augusta	Red-tailed Hawk	Taxonomic
	3/19/2021	North Carolina	Mecklenburg	Environment	NVSL
	7/10/2020	New York	Orange	Environment	NVSL
5/20/2020		Virginia	Rockingham	Virginia opossum	Taxonomic
5/25/2020	5/29/2021	Kentucky	Metcalfe	Cow	NVSL
5/26/2020		Virginia	Floyd	Environment	Taxonomic
5/27/2020		New Jersey	Salem	Environment	Taxonomic
	6/19/2020	Maryland	Howard	Environment	NVSL
	7/14/2020	West Virginia	Greenbrier	Environment	NVSL
5/28/2020	8/6/2020	Ohio	Gallia	Dog	NVSL
0,20,2020	10/29/2020	Pennsylvania	Lancaster	Environment	NVSL
5/31/2020	3/19/2021	North Carolina		Environment	NVSL



Earliest collected	Earliest confirmed	State	County	Host	
		Tennessee	Claiborne	Environment	Taxonomic
6/1/2020		Virginia	Page	Great horned owl	NVSL
	8/13/2020	Virginia	Clarke	Great horned owl	NVSL
6/3/2020	7/13/2020	West Virginia	Raleigh	Environment	NVSL
6/4/2020		Maryland	Allegany	Cow	Taxonomic
6/8/2020		West Virginia	Monroe	Environment	Taxonomic
0/0/2020		west virginia	Putnam	Cat	Taxonomic
6/9/2020		Connecticut	New Haven	Environment	Taxonomic
6/10/2020	7/10/2020	North Carolina	Rowan	Elk	NVSL
6/14/2020		New York	Rockland	Human	Molecular
6/17/2020		West Virginia	Marion	Environment	Taxonomic
6/18/2020		Pennsylvania	Lebanon	Environment	Taxonomic
6/22/2020	9/16/2020	West Virginia	Harrison	Environment	NVSL
6/25/2020	5/19/2021	New York	Ulster	Environment	NVSL
6/27/2020		Delaware	New Castle	Dog	Molecular
6/29/2020		West Virginia	Barbour	Environment	Taxonomic
6/30/2020	7/10/2020	North Carolina	Macon	Cow	NVSL
7/44/0000		14/ 11/2		Dog	Taxonomic
7/11/2020		West Virginia	Monroe	Goat	Taxonomic
7/13/2020	8/6/2020	Virginia	Albemarle	Peromyscus sp.	NVSL
7/15/2020		Kentucky	Madison	Human	Taxonomic
7/18/2020	8/6/2020	Tennessee	Grainger	Cat	NVSL
7/20/2020		New Jersey	Essex	Dog	Molecular
7/23/2020		West Virginia	Greenbrier	Unknown	Taxonomic
7/04/0000		144 114 11		Environment	Taxonomic
7/31/2020		West Virginia	Jackson	Human	Taxonomic
8/3/2020		Pennsylvania	Delaware	Dog	Taxonomic
8/7/2020	10/29/2020	Pennsylvania	Allegheny	Environment	NVSL
8/12/2020	9/25/2020	South Carolina	Pickens	Dog	NVSL
8/17/2020		New Jersey	Essex	Human	Molecular
8/24/2020	12/15/2020	South Carolina	Lancaster	Dog	NVSL
		Virginia	Grayson	Human	Taxonomic
8/26/2020		West Virginia	Upshur	White-tailed Deer	Taxonomic
	11/2/2020	West Virginia	Grant	Dog	NVSL
8/30/2020	3/9/2021	West Virginia	Marshall	Environment	NVSL
0/0/0000		West Virginia	Monroe	White-tailed Deer	Taxonomic
9/2/2020	12/4/2020	North Carolina	Caldwell	White-tailed Deer	NVSL
9/9/2020		Delaware	Sussex	Red-tailed hawk	Taxonomic
9/12/2020	10/5/2020	West Virginia	Pendleton	Dog	NVSL
9/17/2020	3/9/2021	West Virginia	Ohio	Environment	NVSL
9/23/2020		Virginia	Rockingham	Red-tailed hawk	Taxonomic
10/2/2020		Virginia	Albermarle	Northern Cardinal	Molecular
10/15/2020		Maryland	Prince George's	Environment	Taxonomic
10/27/2020		Virginia	Orange	Environment	Taxonomic
3/5/2021	6/29/2021	North Carolina	Iredell	White-tailed Deer	NVSL
3/22/2021		Tennessee	Cocke	Environment	Taxonomic



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Earliest collected	Earliest confirmed	State	County	Host	
4/1/2021		Maryland	Washington	Environment	Taxonomic
4/2/2021		Virginia	Montgomery	Eastern cottontail rabbit	Taxonomic
4/6/2021		Maryland	Howard	Peromyscus leucopus	Taxonomic
4/12/2021	8/12/2021	Virginia	Loudon	Eastern cottontail rabbit	NVSL
4/16/2021	11/17/2022	Ohio	Guernsey	Gray Fox	NVSL
4/17/2021		Virginia	Augusta	Red Fox	Taxonomic
4/22/2021		Maryland	Charles	Environment	Taxonomic
4/29/2021		Virginia	Bedford	Cow	Taxonomic
4/29/2021		virginia	Floyd	Raccoon	Taxonomic
5/6/2021		Maryland	Montgomery	Dog	Molecular
5/10/2021	9/1/2021	North Carolina	Randolph	Gray Fox	NVSL
5/12/2021		Virginia	Augusta	Environment	Taxonomic
5/13/2021		New Jersey	Middlesex	Gray Squirrel	Taxonomic
5/15/2021		New Jersey	Ocean	Bald eagle	Molecular
5/14/2021	6/11/2021	West Virginia	Wood	Environment	NVSL
5/18/2021		Maryland	Calvert	Cow	Taxonomic
5/20/2021		Connecticut	New Haven	Human	Molecular
3/20/2021		New Jersey	Middlesex	Raccoon	Taxonomic
5/21/2021	6/10/2021	West Virginia	Wayne	Environment	NVSL
5/24/2021	3/17/2022	Kentucky	Breathitt	Elk	NVSL
		New Jersey	Middlesex	Peromyscus leucopus	Molecular
		New Jersey	Widdlesex	Peromyscus sp.	Taxonomic
5/26/2021		Virginia	Patrick	Environment	Taxonomic
	3/14/2022	Kentucky	Perry	Elk	NVSL
	8/6/2021	North Carolina	Ashe	Environment	NVSL
5/27/2021		New Jersey	Middlesex	Groundhog	Taxonomic
5/27/2021		New Jersey	Widdlesex	Virginia opossum	Taxonomic
5/28/2021		Missouri	Greene	Environment	Molecular
		Virginia	Henry	Environment	Taxonomic
6/1/2021	6/11/2021	North Carolina	Iredell	Cow	NVSL
	8/13/2021	Virginia	Warren	Barred Owl	NVSL
6/2/2021		New Jersey	Passaic	Virginia opossum	Taxonomic
0/2/2021	8/5/2021	New York	Rensselaer	Environment	NVSL
6/4/2021		West Virginia	Doddridge	Cat	Taxonomic
6/6/2021		New Jersey	Bergen	Raccoon	Taxonomic
6/8/2021		Virginia	Loudon	Horse	Taxonomic
0/0/2021	11/28/2023	Pennsylvania	Washington	Environment	NVSL
6/10/2021	9/2/2021	Ohio	Jackson	Cow	NVSL
6/12/2021	8/10/2021	Missouri	Clay	Horse	NVSL
6/13/2021		New York	Putnam	Environment	Taxonomic
6/14/2021		Pennsylvania	Montgomery	Red-shouldered Hawk	Taxonomic
6/15/2021		Delaware	New Castle	Cat	Molecular
0/10/2021		Virginia	Alleghany	Environment	Taxonomic
6/16/2021		New Jersey	Middlesex	Striped Skunk	Taxonomic
		New York	Kings	Environment	Taxonomic
6/17/2021		Tennessee	Claiborne	Human	Taxonomic
6/21/2021	7/9/2021	North Carolina	Iredell	Elk	NVSL
6/24/2021	9/2/2021	Pennsylvania	Berks	Environment	NVSL
6/29/2021		Maryland	Calvert	Environment	Taxonomic
012312021		Virginia	Nelson	Environment	Taxonomic



United States Department of

Earliest collected	Earliest confirmed	State	County	Host	
7/1/2021	7/16/2021	North Carolina	Ashe	Cow	NVSL
// 1/2021	7/22/2021	North Carolina	Wilkes	Cow	NVSL
7/4/2021	8/20/2021	North Carolina	Avery	White-tailed Deer	NVSL
		New Jersey	Union	White-tailed Deer	Taxonomic
7/6/2021	9/2/2021	Pennsylvania	Cumberland	Environment	NVSL
	5/2/2021	Fennsylvania	Schuylkill	Environment	NVSL
7/9/2021	7/28/2021	Kentucky	Boone	Cow	NVSL
7/12/2021	8/20/2021	North Carolina	Pender	Dog	NVSL
7/20/2021	8/20/2021	North Carolina	Watauga	White-tailed Deer	NVSL
7/21/2021	2/3/2022	Virginia	Appomattox	Black Bear	NVSL
7/23/2021	8/20/2021	Ohio	Monroe	Environment	NVSL
7/26/2021	9/2/2021	West Virginia	Jefferson	Dog	NVSL
7/29/2021	8/6/2021	North Carolina	Davie	Environment	NVSL
8/1/2021		Delaware	New Castle	Human	Molecular
8/5/2021		Tennessee	Jefferson	Environment	Taxonomic
0/0/2021	9/2/2021	Ohio	Monroe	Cow	NVSL
8/10/2021		Virginia	Warren	Raccoon	Taxonomic
8/18/2021		West Virginia	Gilmer	Dog	Taxonomic
8/27/2021		West Virginia	Cabell	Environment	Taxonomic
8/31/2021	9/13/2021	North Carolina	Catawba	Environment	NVSL
				Blue Jay	Taxonomic
				Carolina Wren	Taxonomic
9/1/2021		New York	Westchester	Gray Catbird	Taxonomic
				House Wren	Taxonomic
				Northern Cardinal	Taxonomic
9/7/2021		New Jersey	Middlesex	Eastern cottontail rabbit	Taxonomic
0/0/0004		Georgia	Pickens	Unknown	Taxonomic
9/9/2021	9/29/2021	Georgia	Pickens	Cow	Molecular and NVSL
9/13/2021		New Jersey	Middlesex	Eastern chipmunk	Molecular
9/22/2021		Georgia	Pickens	Virginia opossum	Taxonomic
9/23/2021		Georgia	Pickens	Cat	Taxonomic
10/2/2021		Virginia	Fairfax	White-tailed Deer	Taxonomic
1011110001		Virginia	Roanoke	Barred Owl	Taxonomic
10/11/2021	2/3/2022	Virginia	Rappahannock	Red-tailed Hawk	NVSL
3/25/2022	5/25/2022	North Carolina	Cleveland	Cow	NVSL
4/6/2022		Delaware	Sussex	Red Fox	Molecular
4/22/2022	5/5/2022	Georgia	Hall	Cow	NVSL
4/26/2022		West Virginia	Kanawha	Dog	Taxonomic
5/1/2022	7/26/2023	Ohio	Ross	Dog/Cat	NVSL
5/5/2022	5/12/2022	Arkansas	Washington	Cow	NVSL
5/15/2022		Virginia	Montgomery	Chicken	Taxonomic
5/18/2022		Delaware	Sussex	Environment	Molecular
5/19/2022		West Virginia	Hardy	Dog/Cat	Taxonomic
5/20/2022		Delaware	New Castle	White-tailed Deer	Molecular
		New Jersey	Burlington	Environment	Taxonomic
5/25/2022	11/23/2022	West Virginia	Braxton	Environment	NVSL



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Earliest collected	Earliest confirmed	State	County	Host	
6/1/2022		Georgia	White	Environment	Molecular
6/2/2022		Ohio	Gallia	Human	Taxonomic
6/3/2022	7/6/2022	North Carolina	Madison	Cow	NVSL
6/6/2022		Maryland	Frederick	Cow	Taxonomic
0/0/2022	8/4/2022	North Carolina	Alexander	Red-tailed Hawk	NVSL
6/7/2022	11/23/2022	West Virginia	Roane	Environment	NVSL
6/8/2022	6/17/2022	Georgia	Habersham	Cow	NVSL
C/40/0000		New Jersey	Camden	Environment	Taxonomic
6/10/2022	7/6/2022	South Carolina	York	Environment	NVSL
6/11/2022	11/28/2023	Pennsylvania	Westmoreland	Environment	NVSL
6/12/2022	8/23/2022	North Carolina	Ashe	White-tailed Deer	NVSL
014010000	7/15/2022	West Virginia	Wayne	Cow	NVSL
6/18/2022	7/20/2022	Kentucky	Fleming	Cow	NVSL
C/04/0000		Virginia	Bland	Environment	Taxonomic
6/21/2022		West Virginia	Putnam	Environment	Taxonomic
6/23/2022		West Virginia	Grant	Cat	Taxonomic
		New Jersey	Atlantic	Environment	Taxonomic
6/24/2022		West Virginia	Harrison	Cat	Taxonomic
	11/28/2023	Pennsylvania	Butler	Environment	NVSL
6/26/2022		Maryland	Harford	Human	Taxonomic
6/28/2022		Virginia	Bristol	Environment	Taxonomic
7/1/2022	8/1/2022	North Carolina	Yadkin	Dog	NVSL
7/3/2022		Delaware	New Castle	Great horned owl	Taxonomic
7/5/2022	7/28/2022	North Carolina	Stanly	White-tailed Deer	NVSL
		New Jersey	Gloucester	Environment	Taxonomic
7/6/2022		New York	Westchester	Pig	Molecular
	9/6/2022	Ohio	Belmont	Cow	NVSL
7/7/2022	8/23/2022	North Carolina	Buncombe	Cow	NVSL
7/19/2022		New York	Sullivan	Environment	Taxonomic
7/21/2022	9/6/2022	Ohio	Morgan	Cow	NVSL
7/25/2022	8/26/2022	North Carolina	Yancey	White-tailed Deer	NVSL
7/28/2022	10/25/2022	Kentucky	Garrard	Dog	NVSL
8/15/2022		Missouri	Linn	Environment	Taxonomic
8/16/2022		West Virginia	Pendleton	White-tailed Deer	Taxonomic
8/18/2022		New Jersey	Cape May	Environment	Taxonomic
8/21/2022	2/13/2023	Kentucky	Barren	Cow	NVSL
8/24/2022		Maryland	Frederick	Environment	Taxonomic
8/26/2022		Massachusetts	Berkshire	Dog	Molecular
8/29/2022		West Virginia	Tyler	Dog	Taxonomic
9/1/2022		West Virginia	Mason	White-tailed Deer	Taxonomic
		Ohio	Franklin	Environment	Taxonomic
9/3/2022	10/18/2022	Ohio	Franklin	Human	NVSL
9/7/2022		West Virginia	Doddridge	White-tailed Deer	Taxonomic
9/12/2022		Georgia	Hall	White-tailed Deer	Taxonomic
9/18/2022		Ohio	Belmont	Environment	Taxonomic
9/26/2022		Ohio	Jackson	Environment	Taxonomic
9/28/2022	10/11/2023	Ohio	Vinton	Environment	NVSL
9/29/2022		Ohio	Lawrence	Environment	Taxonomic



Earliest collected	Earliest confirmed	State	County	Host	
10/15/2022		New Jersey	Somerset	Song Sparrow	Molecular
3/12/2023		Pennsylvania	Chester	Bald Eagle	Molecular
3/12/2023	4/28/2023	Kentucky	Laurel	Cow	NVSL
3/21/2023		Maryland	Montgomery	Environment	Taxonomic
3/27/2023		North Carolina	Lincoln	Environment	Taxonomic
3/30/2023		North Carolina	Madison	Goat	Taxonomic
4/13/2023	5/2/2023	Indiana	Switzerland	Environment	NVSL
4/15/2023	8/23/2024	Ohio	Muskingum	Pere David's deer	NVSL
4/19/2023		Ohio	Gallia	Unknown	Taxonomic
4/21/2023	6/21/2024	Pennsylvania	Clinton	Horse	NVSL
4/27/2023		Missouri	Boone	Environment	Taxonomic
5/2/2023	8/18/2023	Arkansas	Independence	Cow	NVSL
5/4/2023		Virginia	Brunswick	Cow	Taxonomic
5/8/2023	5/8/2023	North Carolina	Yadkin	Cow	Taxonomic
		North Carolina	Henderson	Environment	Taxonomic
F/40/0000		Ohio	Gallia	Environment	Taxonomic
5/10/2023	5/16/2024	North Carolina	Guilford	Coyote	NVSL
	7/26/2023	Ohio	Gallia	Cow	NVSL
5/12/2023	9/8/2023	Pennsylvania	Lackawanna	Environment	NVSL
F/4 F/0000		Maryland	Frederick	Human	Molecular
5/15/2023		West Virginia	Monongalia	Environment	Taxonomic
5/16/2023		New York	Nassau	Human	Taxonomic
5/17/2023	10/23/2023	Indiana	Dubois	Environment	NVSL
5/22/2023	6/16/2023	Massachusetts	Nantucket	Environment	NVSL
5/23/2023	9/8/2023	Pennsylvania	Bedford	Environment	NVSL
5/30/2023		New Jersey	Cumberland	Environment	Taxonomic
6/1/2023		West Virginia	Grant	Horse	Taxonomic
6/2/2023		Virginia	Madison	Environment	Taxonomic
6/5/2023	8/16/2023	Ohio	Delaware	Environment	NVSL
6/6/2023	7/17/2023	New York	Greene	Environment	NVSL
6/7/2023		Massachusetts	Dukes	Environment	Taxonomic
6/13/2023	9/8/2023	Pennsylvania	Beaver	Environment	NVSL
6/17/2023		North Carolina	Polk	Environment	Taxonomic
0/17/2023		North Carolina	Rutherford	Environment	Taxonomic
6/18/2023		New York	Ulster	Human	Taxonomic
6/21/2023	9/8/2023	Pennsylvania	York	Environment	NVSL
6/24/2023		New Jersey	Essex	Environment	Taxonomic
6/25/2022		Rhode Island	Providence	Environment	Molecular
6/25/2023	8/14/2023	Virginia	Mecklenburg	Environment	NVSL
6/27/2023		Virginia	Lynchburg	Environment	Taxonomic
6/28/2023		Rhode Island	Newport	Environment	Molecular



Earliest collected	Earliest confirmed	State	County	Host	
7/1/2023	8/23/2024	Ohio	Muskingum	Przewalski's Horse?	NVSL
7/3/2023		North Carolina	Surry	Cat	Taxonomic
7/5/2023	9/8/2023	Pennsylvania	Blair	Environment	NVSL
7/6/2023		West Virginia	Fayette	Environment	Taxonomic
7/12/2023		New Jersey	Morris	Environment	Taxonomic
7/15/2023		North Carolina	Stanly	Environment	Taxonomic
7/17/2023		North Carolina	Iredell	Horse	Taxonomic
7/21/2023		Connecticut	Middlesex	Environment	Taxonomic
7/25/2023	8/10/2023	New York	Columbia	Environment	NVSL
7/26/2023		North Carolina	Yancey	Dog	Taxonomic
7/27/2023	8/3/2023	Indiana	Ohio	Environment	NVSL
7/22/2222	8/23/2024	Ohio	Muskingum	Sichuan Takin	NVSL
7/28/2023	9/8/2023	Pennsylvania	Monroe	Environment	NVSL
8/1/2023		North Carolina	Forsyth	Gray Fox	Taxonomic
		Missouri	Knox	Environment	Taxonomic
8/10/2023		Virginia	Wythe	Unknown	Taxonomic
9/6/2023	10/11/2023	Ohio	Athens	Human	NVSL
9/20/2023	11/2/2023	North Carolina	Wake	Cow	NVSL
9/21/2023	3/5/2024	Tennessee	Maury	Environment	NVSL
10/3/2023		Georgia	Pickens	Environment	Taxonomic
10/6/2023		Georgia	Pickens	Raccoon	Taxonomic
3/14/2024	8/20/2024	Pennsylvania	Cameron	Environment	NVSL
3/19/2024	8/23/2024	Ohio	Muskingum	Bactrian deer	NVSL
3/21/2024	0,20,2021	Washington DC	Washington DC	White-tailed Deer	Molecular
3/23/2024	5/22/2024	North Carolina	Randolph	Dog	NVSL
3/25/2024	0/22/2021	Virginia	Rockbridge	Horse	Taxonomic
4/11/2024		North Carolina	Davidson	Cow	Taxonomic
4/12/2024	5/1/2024	Illinois	Morgan	Environment	NVSL
4/13/2024	4/23/2024	North Carolina	Stokes	Cow	NVSL
4/20/2024	1120/2021	Virginia	Bedford	Environment	Taxonomic
4/22/2024		North Carolina	Haywood	Cow	Taxonomic
		North Carolina	Iredell	Human	Taxonomic
4/27/2024		Virginia	Virginia Beach	Environment	Taxonomic
4/30/2024	5/2/2024	Indiana	Spencer	Cow	NVSL
	0/2/2024	Delaware	New Castle	Red Fox	Taxonomic
5/1/2024		Indiana	Spencer	Environment	Taxonomic
5/13/2024	8/23/2024	Ohio	Licking	Environment	NVSL
5/20/2024	0/20/2024	Virginia	Amherst	Environment	Taxonomic
5/24/2024	8/27/2024	Ohio	Coshocton	Environment	NVSL
5/30/2024	6/26/2024	New York	Schnectaday	Environment	NVSL
6/4/2024	0/20/2024	Ohio	Athens	Environment	Taxonomic
0/4/2024		UIIIU	Allens		NVSL
6/11/2024	8/20/2024	Tennessee	Johnson	Dog Horse	NVSL
6/40/0004		Virginia	Duesell		
6/12/2024		Virginia	Russell	Cow	Taxonomic Taxonomic
6/14/2024		Maryland	Garrett	Environment	Taxonomic



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Index Name Park Park Name 620204 712024 Anasa Bona Falomand Na 620204 712024 Anasa Banaco Salomand Na 712044 Anasa Anasa Salomand Salomand Salomand 712047 Anasa Salomand Salomand Salomand Salomand 712048 Anasa Salomand Salomand Salomand Salomand 712049 Salomand Salomand Salomand Salomand Salomand 712040 Salom	6/17/2024		North Carolina	Wilkes	horse	Taxonomic
Reading Reading Reading Reading Reading Readeration Social Nach Carolina Machanu Covan Machanu Taxonnic Readeration Social Social Social Social Social <	0/11/2024	8/20/2024	Tennessee	Overton	Environment	NVSL
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Y32024 First	6/24/2024	8/20/2024	North Carolina	Alamance	Cow	NVSL
Instance Nath Carolina Granile Deg MsL 1/12024 Indiana Ielana Caronia Caronia 1/12024 Aloxa Huningdon Environment MsC 1/12024 Maxa Sacora Sacora Sacora 1/12024 Maxa Sacora Sacora Sacora 1/12024 Maxa Sacora Sacora	7/3/2024		North Carolina	Mecklenburg	Human	Taxonomic
Number Norm Number Number 7/9/2024 8/20/204 Pennsylvan Hunlingdon Environment NSL 7/15/2024 1/7/2024 Misouri Staron NSL 7/16/2024 1/7/2024 Arkansas Seary Environment NSL 7/18/2024 7/30/204 Arkansas Seary Environment NSL 7/18/2024 8/20/204 Kentucky Bulitt Hunando NSL 7/18/2024 8/20/204 Kentucky Bulitt Funoment NSL 7/18/204 8/20/204 Kentucky Bulitt Funoment NSL 7/18/204 8/20/204 Kentucky Funo NSL 8/2024 1/20/204 Pennsylvani Fulo Taxonmic 8/2024 1/20/204 Pennsylvani Fulo Staronmic 8/2024 1/20/204 Pennsylvani Fulo Staronmic NsL 8/2024 1/20/204 Solution Staronmic NsL	115/2024	8/13/2024	North Carolina	Granville	Dog	NVSL
Interval (1)Interval (1)Interval (1)Interval (1)Interval (1)<	7/8/2024		Virginia	Lee	Cow	Taxonomic
Induct Induct Induct Induct Induct Induct 7142024 Nakas Seary Environmet Taxononic 7142024 Yongia Seary Environmet Taxononic 728/2024 8/2024 Monto Seary Environmet Taxononic 714/2024 8/2024 Monto Seary Environmet Mosto 714/2024 8/2024 Monto Cag Cov MSL 717024 8/2024 Monto Cag Counto MSL 717024 10204 Monto Cag Counto MSL 717024 102024 Monto Monto Cag Monto 717024 102024 Monto Nel Monto Monto 717024 102024 Monto Monto Nel Monto 7182024 1012024 Monto Monto Monto Monto 719204 1012024 Monto Monto Monto Monto </td <td>7/9/2024</td> <td>8/20/2024</td> <td>Pennsylvania</td> <td>Huntingdon</td> <td>Environment</td> <td>NVSL</td>	7/9/2024	8/20/2024	Pennsylvania	Huntingdon	Environment	NVSL
Initial Initial Initial Initial Initial 718/2024 Viginia Ranoke Enviroment Taxonmic 728/2024 8/2024 Muluy Bullit Human NSL 7171/2024 8/2024 Okahoma Craig Goudhog NSL 7171/2024 8/2024 Okahoma Craig Goudhog NSL 7171/2024 8/2024 Okahoma Craig Goudhog NSL 7171/2024 10 Pensylvania Fulo Southog NSL 7171/2024 20204 Pensylvania Fulo Southog NSL 718/2024 10 Pensylvania Fulo Southog NSL 718/2024 10 Pensylvania Fulo Southog Southog 718/2024 10 Pensylvania Fulo Southog Southog 718/2024 10 Southog Southog Southog Southog 718/2024 10 Southog Fulo Southog Southog 718/2024 10 Southog Fulo Southog Southog 718/2024 10 Southog Fulo Southog Southog 718/2024 N	7/15/2024	11/7/2024	Missouri	St. Louis	Environment	NVSL
728/02 829/2024 Kentucky Bulitt Human VSL 7/31/2024 8/2024 Oklahoma Grag Gow NeSL 8/1/2024 Jelaware New Castle Groundhog Taxononic 8/1/2024 Jelaware New Castle Groundhog Taxononic 8/5/2024 S/2024 Pensylvania Kitos Dog Taxononic 8/9/2024 Yensylvania Kitos Dog Taxononic Taxononic 8/9/2024 Yensylvania Kitos Dog Taxononic Taxononic 8/9/2024 Yensylvania Fultos Fultos Taxononic Taxononic 8/2024 Yensylvania Pensylvania Fultos Fultos Taxononic 8/2024 Yensylvania Fultos Fultos NSL NesL 8/2024 South Carolina Yensylvania Fultos NesL 8/2024 South Carolina Yensylvania Fultos NesL 9/1/2024 Noth Carolina Yensylva	7/16/2024	7/30/2024	Arkansas	Searcy	Environment	NVSL
And of the second sec	7/18/2024		Virginia	Roanoke	Environment	Taxonomic
Name Name <th< td=""><td>7/28/2024</td><td>8/29/2024</td><td>Kentucky</td><td>Bullitt</td><td>Human</td><td>NVSL</td></th<>	7/28/2024	8/29/2024	Kentucky	Bullitt	Human	NVSL
Number of the state Number of the state Number of the state 8/5/2024 8/2024 Pensylvania Fulton Environment Textonomic 8/9/2024 Óhio Atlens Dog Textonomic Textonomic 8/2024 Virginia Orag Environment Textonomic Textonomic 8/2024 Virginia Pulaski Dog Textonomic Textonomic 8/2024 Virginia Pulaski Dog Textonomic Textonomic 8/2024 Virginia Pulaski Dog Textonomic Textonomic 8/2024 Virginia Pensylvania Fulton Textonomic Textonomic 8/2024 Pensylvania Fulton Conce NSL NSL 8/2024 South Carolina Conee Cow NSL NSL 9/10/2024 Moth Carolina South Carolina Fultonomic NSL NSL 9/10/2024 Moth Carolina Nale Fultonomic NSL NSL 9/10/2024	7/31/2024	8/2/2024	Oklahoma	Craig	Cow	NVSL
Autor Autor Autor Autor Autor 8/92024 Chio Athena Dog Kanomic 8/20204 Orgina Caig Fuiroment Taxonmic 8/20204 Virgina Pulaski Dog Taxonmic 8/20204 Virgina Pulaski Dog Taxonmic 8/20204 Panyana Punyana Fulor Fulor NSL 9/20204 Punyana Ono Cone NSL NSL 9/2024 South Carlina Ono Cone NSL NSL 9/10204 Noh Carolina Mango Funor NSL NSL 9/10204 Noh Carolina Yacy Hunan Naconcincencencencencencencencencencencencencen	8/1/2024		Delaware	New Castle	Groundhog	Taxonomic
8/9/2024OklahomaCraigFuriomentTaxonomic $8/23/2024$ ViginiaPulasiaDogTaxonomic $8/23/2024$ ViginiaPulasiaDogTaxonomic $8/26/2024$ PunanaPunanaPunanaElkNSL $8/26/2024$ PunanaPunanaFunanaNokNok $9/2024$ South CarolinaJoneCowNokNok9/10/2024Noth CarolinaYoneyFunonentNokNok $9/15/2024$ Noth CarolinaYoneyHunanTaxonomicNok $9/16/2024$ OhioNokDogNokNok $9/16/2024$ NinginaNokPunanaInsomentInsoment $9/16/2024$ OhioNokNokNokNok $9/16/2024$ OhioNokNokNokNok $9/16/2024$ NokNokNokNokNok $9/16/2024$ NokNokNokNokNok $9/16/2024$ NokNokNokNokNok $9/16/2024$ NokNokNokNokNok $9/16/2024$ NokNokNokNokNok $9/16/2024$ NokNokNokNok $9/16/2024$ NokNokNokNok $9/16/2024$ NokNokNokNok $9/16/2024$ NokNokNokNok $9/16/2024$ NokNokNokNok $9/16/2024$ NokNok <td>8/5/2024</td> <td>8/20/2024</td> <td>Pennsylvania</td> <td>Fulton</td> <td>Environment</td> <td>NVSL</td>	8/5/2024	8/20/2024	Pennsylvania	Fulton	Environment	NVSL
Index Oklahoma Craig Environment Taxonomic 8/23/2024 Virginia Pulasi Dog Axonomic Axonomic 8/26/2024 Pulasi Pulasi Bila NSL NSL 8/26/2024 Pulasi Pulasi Fulon Filow Deer NSL 9/2024 Pulasi South Carolina Cone Cow NSL 9/10/2024 South Carolina Cone Cow NSL 9/10/2024 South Carolina Visington Furionment NSL 9/10/2024 South Carolina Visington Furionment NSL 9/10/2024 Moth Carolina Visington Furionment South Carolina Furionment 9/16/2024 Moth Carolina Visington South Carolina Furionment South Carolina Furionment 9/16/2024 Moth Carolina Nole South Carolina Furionment South Carolina Furionment 9/16/2024 Moth Carolina Nole South Carolina Furionment	8/0/2024		Ohio	Athens	Dog	Taxonomic
Action Figure Figu	0/9/2024		Oklahoma	Craig	Environment	Taxonomic
8/26/2024PennsylvaniaFultonFalow DeerNVSL9/26/2024South CarolinaOconeeCowNVSL9/10/20249/17/2024OhioWashingtonEnvironmentNVSL9/15/2024Noth CarolinaYanceyHumanTaxonomic9/15/2024OhioNobleDogNVSL9/16/2024OhioNobleDogNSL9/16/2024VirginiaPulaskiHorseTaxonomic9/16/2024OhioNobleEnvironmentTaxonomic9/16/2024OhioNobleHorseTaxonomic9/16/2024OhioWayneEnvironmentMysL	8/23/2024		Virginia	Pulaski	Dog	Taxonomic
Bild Fallow Deer NVSL 9/26/2024 South Carolina Oconee Cow NVSL 9/10/2024 9/17/2024 Ohio Washington Environment NVSL 9/15/2024 0/17/2024 North Carolina Yaney Human Taxonomic 9/15/2024 10/29/2024 Ohio Nole Dog NVSL 9/16/2024 Ohio Nole Dog NVSL		0/4/2024	Denneydyrenie	Fulton	Elk	NVSL
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Britistic in Status Britistic in Status Entitie Entitie <thentitie< th=""> Entitie Entitie</thentitie<>		9/26/2024	South Carolina	Oconee	Cow	NVSL
9/15/2024 In/29/2024 Ohio Noble Dog NVSL 9/16/2024 Virginia Pulaski Horse Taxonomic 10/29/2024 Ohio Wayne Environment NVSL	9/10/2024	9/17/2024	Ohio	Washington	Environment	NVSL
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9/16/2024 0hio Wayne Environment NVSL	9/15/2024	10/29/2024	Ohio	Noble	Dog	NVSL
10/29/2024 Ohio Wayne Environment NVSL	0/16/2024		Virginia	Pulaski	Horse	Taxonomic
10/3/2024 Connecticut Fairfield Dog/Cat Taxonomic	9/10/2024	10/29/2024	Ohio	Wayne	Environment	NVSL
	10/3/2024		Connecticut	Fairfield	Dog/Cat	Taxonomic



United States Department of

			Number	of animals		Number confirmed				
nal ıps	Host	SCWDS	Pandey et al. 2022	Tufts et al., 2019 & 2020	USDA, Wildlife Services	SCWDS	Pandey et al. 2022	Tufts et al., 2019 & 2020	USDA, Wildlife Services	
	American Crow	2								
	American Goldfinch	1	6							
	American Redstart		47							
	American Robin	9	38	11						
	American Yellow Warbler			11						
	Bald Eagle	8								
	Baltimore Oriole	4	12							
	Barn Owl	1								
	Barred Owl	3								
	Black Vulture	1								
	Black-and-white Warbler		9							
	Black-capped Chickadee		20							
			3							
	Black-throated Blue Warbler		1							
	Black-throated Green Warbler		3							
	Blackpoll Warbler									
	Blue Jay	4	15				1			
	Blue-headed Vireo		1							
	Blue-winged Warbler		2							
	Broad-winged Hawk	1								
	Brown Booby	1								
	Brown Thrasher	6	2							
	Brown-headed Cowbird	3								
	Canada Goose	3								
	Canada Warbler		5							
	Cape May Warbler		1							
	Carolina Wren	15	37				1			
	Cedar Waxwing		4							
	Chestnut-sided Warbler		4							
	Chipping Sparrow	1	1							
	Common Grackle	3								
	Common Yellowthroat	3	107	1						
	Connecticut Warbler		1							
	Cooper's Hawk	4								
	Downy Woodpecker		14							
	Eastern Kingbird		2							
	Eastern Phoebe	3	9							
	Eastern Screech Owl	1								
	Eastern Towhee	2								
	Eastern Wood-pewee	1-	1							
	Field Sparrow		1							
	Forster's Tern	2								
	Fox Sparrow	12	3							
	Golden-crowned Kinglet		1							
		2								
	Grackle	17	365	20			9			
	Gray Catbird	17		20			9			
	Gray-cheeked Thrush		2							
	Great Blue Heron	2								
	Great-horned Owl	5								
	Hairy Woodpecker		4							
	Hermit Thrush		18							
	Hooded Warbler	1	6							
	House Sparrow	1								
	House Wren	3	65	2			1			

These disk, and all the information contained therein, have been colocil Department of Appcodency Justice and and The transfer laporate struct cooperations on APPICS fields for sustantial downment generates struct the static property of APPICS. See Mill doctainers here, aprils, unda gourhout the static property of APPICS. See Mill doctainers here, aprils, unda gourhout

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Summary of wildlife sampling for Asian longhorned tick

Host Indigo Bunting Kentucky Warbler Lincoln's Sparrow Magnolia Warbler Mourning Dove Mourning Dove Mourning Dove Mourning Warbler Morthern Bobwhite Northern Bobwhite Northern Bobwhite Northern Cardinal Northern Waterthrush Ovenbird Purple Finch Red-bellied Woodpecke Red-yellied Woodpecke Red-yellied Woodpecke Red-yellied Woodpecke Red-shouldered Hawk Red-bellied Woodpecke Red-winged Blackbird Red-bellied Woodpecke Red-shouldered Hawk Red-winged Blackbird Red-shouldered Hawk Scarlet Tanager Screech Owl Sharp-shinned Hawk Slate-colored Junco Song Sparrow Sharp-shinned Hawk Slate-colored Junco Song Sparrow Sharp-shinned Hawk Swamp Sparrow Syarrow, Unknown Spp. Summer Tanager Swainson's Thrush Swamp Sparrow Warbler Warbler White-breasted Nuthatcl White-crowned Sparrow Wihte-throated Sparrow Wihte-throated Sparrow Wihte-throated Sparrow Wihte-throated Sparrow Wihte-throated Sparrow Wihte-throated Sparrow Winte-throated Sparrow			Number	of animals		Number confirmed					
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Wood Thrush Worm-eating Warbler Yellow Palm Warbler Yellow Warbler		95									
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Yellow Palm Warbler Yellow Warbler		5	3								
Yellow Warbler	arbler	3	1								
			1								
Yellow-bellied Flycatche		4	1								
	lycatcher		1								
Yellow-breasted Chat	d Chat	1	1								
Yellow-shafted Flicker	Flicker		5								
Yellow-throated Vireo	l Vireo	1									

These data, and at the information contained therein, have been califord by the U.S. These data, and at the information contained therein the proceed and the case califorcy or by the cooperations on APINCS band. If an exterioral permitteness participants on the information as the solar poperty of APINCS. See field disclosure here: aprix under permittionage disclosures.

USDA United States Department of Apriculture

Summary of wildlife sampling for Asian longhorned tick

		Numb	er of animals		Number confirmed				
Host	Ferreira 2023	SCWDS	Tufts et al., 2019 & 2020	USDA Wildlife Services	Ferreira 2023	SCWDS	Tufts et al., 2019 & 2020	USDA Wildlife Services	
Axis Deer		10							
Black Bear		392							
Blackbuck		2							
Bobcat		16							
Brown Rat			1						
Cotton Rat		7							
Cow		1							
Coyote		23				6			
Desert Big Horned Sheep		1							
Domestic Cat		2	5				4		
Domestic Dog		17				4			
Eastern Chipmunk	37	3	2		1				
Eastern Cottontail	1	98		1	1	1		1	
Eastern Gray Squirrel		10							
Eastern Woodrat		6							
Elk		117				5			
Feral Hog		9							
Fox		4							
Gray Fox		11				3			
Gray Squirrel	37	1	12		10		1		
Groundhog	9	26	2	4	7	1	2	4	
Hispid Cotton Rat		19							
Hog		9							
House Mouse	16	4							
Human		54				3			
Human (Attached)		1							
Human (Unattached)		3							
Meadow Vole	29	2							
Mexican Free-tailed Bat		1							
Mule Deer		80							
Nine-banded Armadillo		1							
North American Porcupine		1	44						
Northern Short-tailed Shrew	1.70		14						
Peromyscus sp.	78	280	1.00		1	07	20	L C	
Raccoon	37	234	39	5	34	37	36	5	
Red Deer		4				3			
Red Fox	5	41				3			
Short-tailed Shrew Skunk	5	1							
Southern Red-backed Vole									
Southern Red-backed Vole Spotted Skunk		21							
	13	19	2	1	12		2	1	
Striped Skunk Virginia Opossum	11	245	21	3	10	11	20	3	
White-footed Mouse		1	87		10		20	v	
White-tailed Deer		1,462	16	2		49	16	2	
Woodchuck		36	10	-		2	10	-	
Woodland Jumping Mouse		2				1-			

Summary of wildlife sampling for Asian longhorned tick



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