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5 Species Booklets for Fish, Amphibians, Reptiles, Birds, Mammals, Mollusks, Other Aquatic Invertebrates, Terrestrial Invertebrates, Marine Mammals, Plants having Status or Wildlife Action Plan codes "FE, FT, FS, SE, ST" in (033) Caroline County

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Species Code	Status *	WAP **	Common Name	Scientific Name
040129	ST	I	Sandpiper, upland	<i>Berrania longicauda</i>
040293	ST	I	Shrike, loggerhead	<i>Lanius ludovicianus</i>
040385	ST	I	Sparrow, Bachman's	<i>Aimophila aestivalis</i>
040093	FSST	II	Eagle, bald	<i>Haliaeetus leucocephalus</i>
040292	ST		Shrike, migrant loggerhead	<i>Lanius ludovicianus migrans</i>

* FE=Federal Endangered; FT=Federal Threatened; SE=State Endangered; ST=State Threatened; FP=Federal Proposed; FC=Federal Candidate; FS=Federal Species of Concern; SC=State Candidate; CC=Collection Concern; SS=State Special Concern

** I=VA Wildlife Action Plan - Tier I - Critical Conservation Need; II=VA Wildlife Action Plan - Tier II - Very High Conservation Need; III=VA Wildlife Action Plan - Tier III - High Conservation Need; IV=VA Wildlife Action Plan - Tier IV - Moderate Conservation Need

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Species Code	Status *	WAP **	Common Name	Scientific Name
050034	SE	I	Bat. Rafinesque's eastern big-eared	<i>Corynorhinus rafinesquii macrotis</i>
030013	SE	II	Rattlesnake, canebrake	<i>Crotalus horridus</i>
040129	ST	I	Sandpiper, upland	<i>Barrtrania longicauda</i>
040293	ST	I	Shrike, loggerhead	<i>Lanius ludovicianus</i>
040093	FSSST	II	Eagle, bald	<i>Haliaeetus leucocephalus</i>
060081	ST	II	Floater, green	<i>Lasmigona subviridis</i>
040292	ST		Shrike, migrant loggerhead	<i>Lanius ludovicianus migrans</i>
060029	FSSS	III	Lance, yellow	<i>Elliptio lanceolata</i>

* FE=Federal Endangered; FT=Federal Threatened; SF=State Endangered; ST=State Threatened; FP=Federal Proposed; FC=Federal Candidate; FS=Federal Species of Concern; SC=State Candidate; CC=Collection Concern; SS=State Special Concern

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Species Code	Status *	WAP **	Common Name	Scientific Name
040129	ST	I	Sandpiper, upland	<i>Berrania longicauda</i>
040293	ST	I	Shrike, loggerhead	<i>Lanius ludovicianus</i>
040093	FSST	II	Eagle, bald	<i>Haliaeetus leucocephalus</i>
040292	ST		Shrike, migrant loggerhead	<i>Lanius ludovicianus migrans</i>
060029	FSSS	III	Lance, yellow	<i>Elleptio lanceolata</i>

* FE=Federal Endangered; FT=Federal Threatened; SE=State Endangered; ST=State Threatened; FP=Federal Proposed; FC=Federal Candidate; FS=Federal Species of Concern; SC=State Candidate; CC=Collection Concern; SS=State Special Concern

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6 Species Booklets for Fish, Amphibians, Reptiles, Birds, Mammals, Mollusks, Other Aquatic Invertebrates, Terrestrial Invertebrates, Marine Mammals, Plants having Status or Wildlife Action Plan codes "FE, FT, FS, SE, ST" in (137) Orange County

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Species Code	Status *	WAP **	Common Name	Scientific Name
040129	ST	I	Sandpiper, upland	<i>Barrania longicauda</i>
040293	ST	I	Shrike, loggerhead	<i>Lanius ludovicianus</i>
040093	FSSST	II	Eagle, bald	<i>Haliaeetus leucocephalus</i>
040292	ST		Shrike, migrant loggerhead	<i>Lanius ludovicianus migrans</i>
100248	FS	I	Fritillary, regal	<i>Speyeria idalia idalia</i>
060029	FSSS	III	Lance, yellow	<i>Elliptio lanceolata</i>

*FE=Federal Endangered; FT=Federal Threatened; SF=State Endangered; ST=State Threatened; FP=Federal Proposed; FC=Federal Candidate; FS=Federal Species of Concern; SC=State Candidate; CC=Collection Concern; SS=State Special Concern
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Species Code	Status *	WAP **	Common Name	Scientific Name
040129	ST	I	Sandpiper, upland	<i>Bettrania longicauda</i>
040293	ST	I	Shrike, loggerhead	<i>Lanius ludovicianus</i>
040093	FSST	II	Eagle, bald	<i>Haliaeetus leucocephalus</i>
040292	ST		Shrike, migrant loggerhead	<i>Lanius ludovicianus migrans</i>
100248	FS	I	Eritriary, regal	<i>Speyeria idalia idalia</i>

* FE=Federal Endangered; FT=Federal Threatened; SE=State Endangered; ST=State Threatened; FP=Federal Proposed; FC=Federal Candidate; FS=Federal Species of Concern; SC=State Candidate; CC=Collection Concern; SS=State Special Concern

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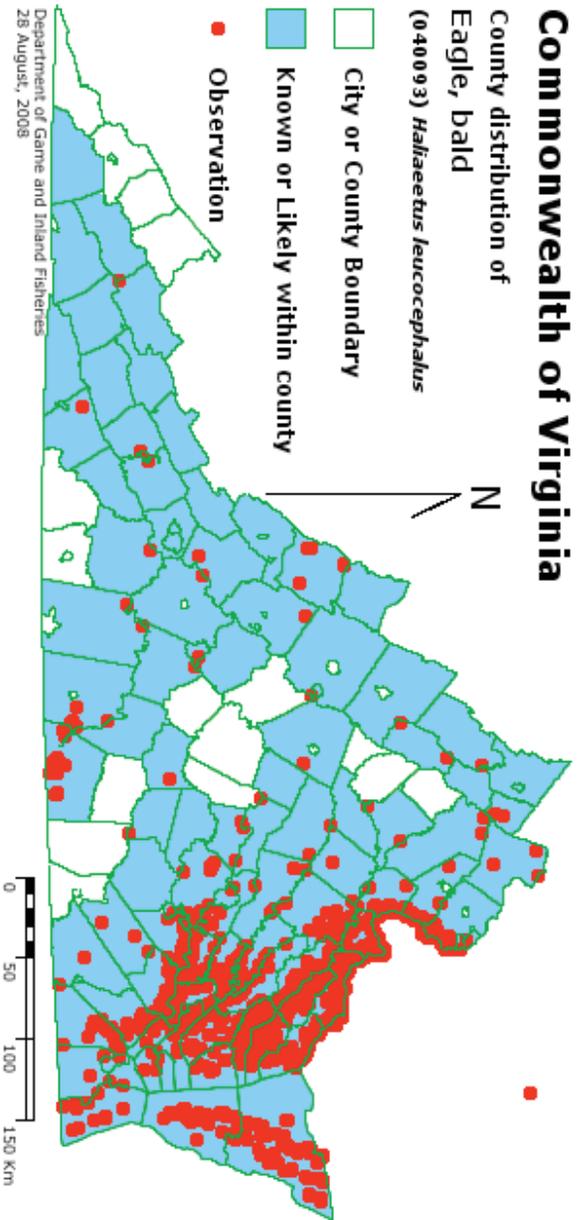
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County occurrence chapter for Eagle, bald (040093)

Commonwealth of Virginia

County distribution of
Eagle, bald

(040093) *Haliaeetus leucocephalus*



County Occurrences

County	County Name	General Occurrence	Resident Occurrence	Seasonal Occurrence
001	Accomack	1 - Known	1 - Known	
003	Albemarle	1 - Known	1 - Known	
005	Alleghany	2 - Likely		B - Spring/Summer
007	Amelia	2 - Likely		B - Spring/Summer
009	Amherst	1 - Known		
013	Arlington	1 - Known		B - Spring/Summer
015	Augusta	2 - Likely		B - Spring/Summer
017	Bath	1 - Known	1 - Known	B - Spring/Summer
019	Bedford	1 - Known		B - Spring/Summer
021	Bland	2 - Likely		B - Spring/Summer
023	Botetourt	2 - Likely		B - Spring/Summer
031	Campbell	2 - Likely		B - Spring/Summer

033	Caroline	1 - Known	1 - Known	
035	Carroll	1 - Known		B - Spring/Summer
036	Charles City	1 - Known	1 - Known	
037	Charlotte	1 - Known	1 - Known	
041	Chesterfield	1 - Known		
043	Clarke	1 - Known		B - Spring/Summer
045	Craig	2 - Likely		B - Spring/Summer
047	Culpeper	1 - Known	1 - Known	
053	Dinwiddie	2 - Likely		
057	Essex	1 - Known	1 - Known	
059	Fairfax	1 - Known	1 - Known	
061	Fauquier	1 - Known		B - Spring/Summer
063	Floyd	2 - Likely		B - Spring/Summer
065	Fluvanna	1 - Known	1 - Known	
067	Franklin	1 - Known		B - Spring/Summer
069	Frederick	2 - Likely		B - Spring/Summer
071	Giles	2 - Likely		B - Spring/Summer
073	Gloucester	1 - Known	1 - Known	
075	Goochland	2 - Likely		B - Spring/Summer
077	Grayson	2 - Likely		B - Spring/Summer
083	Halifax	1 - Known	1 - Known	
085	Hanover	2 - Likely	1 - Known	
087	Henrico	1 - Known	1 - Known	
091	Highland	1 - Known		B - Spring/Summer
093	Isle of Wight	1 - Known	1 - Known	
095	James City	1 - Known	1 - Known	
097	King and Queen	1 - Known	1 - Known	
099	King George	1 - Known	1 - Known	
101	King William	1 - Known	1 - Known	
103	Lancaster	1 - Known	1 - Known	
107	Loudoun	1 - Known	1 - Known	B - Spring/Summer

109	Louisa	1 - Known		
115	Mathews	1 - Known		
117	Mecklenburg	1 - Known	1 - Known	
119	Middlesex	1 - Known	1 - Known	
121	Montgomery	1 - Known		B - Spring/Summer
125	Nelson			
127	New Kent	1 - Known	1 - Known	
131	Northampton	1 - Known	1 - Known	
133	Northumberland	1 - Known	1 - Known	
135	Nottoway	1 - Known		
137	Orange	1 - Known		
139	Page	1 - Known		B - Spring/Summer
143	Pittsylvania	1 - Known		B - Spring/Summer
145	Powhatan	2 - Likely		B - Spring/Summer
147	Prince Edward	1 - Known		
149	Prince George	1 - Known	1 - Known	B - Spring/Summer
153	Prince William	1 - Known	1 - Known	
155	Pulaski	1 - Known		B - Spring/Summer
159	Richmond	1 - Known	1 - Known	
161	Roanoke	1 - Known		B - Spring/Summer
163	Rockbridge	2 - Likely		B - Spring/Summer
165	Rockingham	2 - Likely		B - Spring/Summer
167	Russell	1 - Known		B - Spring/Summer
169	Scott	2 - Likely		M - Fall/Winter
171	Shenandoah	2 - Likely		B - Spring/Summer
173	Smyth	2 - Likely		B - Spring/Summer
175	Southampton	1 - Known	1 - Known	
177	Spotsylvania	1 - Known		
179	Stafford	1 - Known	1 - Known	
181	Surry	1 - Known	1 - Known	
183	Sussex	1 - Known		

185	Tazewell	1 - Known		B - Spring/Summer
187	Warren	1 - Known		B - Spring/Summer
191	Washington	1 - Known		M - Fall/Winter
193	Westmoreland	1 - Known	1 - Known	
197	Wythe	2 - Likely		B - Spring/Summer
199	York	1 - Known	1 - Known	
510	Alexandria City	1 - Known		B - Spring/Summer
530	Buena Vista City	2 - Likely		M - Fall/Winter
550	Chesapeake City	2 - Likely		
560	Clifton Forge City	2 - Likely		B - Spring/Summer
570	Colonial Heights City	2 - Likely		
580	Covington City	2 - Likely		B - Spring/Summer
610	Falls Church City	2 - Likely		
620	Franklin City	2 - Likely		
630	Fredericksburg City	2 - Likely		
640	Galax City	2 - Likely		M - Fall/Winter
650	Hampton City	2 - Likely		
670	Hopewell City	2 - Likely		
678	Lexington City	2 - Likely		B - Spring/Summer
680	Lynchburg City	1 - Known		
683	Manassas City			
700	Newport News City	1 - Known	1 - Known	
710	Norfolk City	2 - Likely		
730	Petersburg City	2 - Likely		
735	Poquoson City	2 - Likely		
740	Portsmouth City	2 - Likely		
750	Radford City	1 - Known		B - Spring/Summer
760	Richmond City	2 - Likely		
770	Roanoke City	2 - Likely		M - Fall/Winter
775	Salem City	2 - Likely		M - Fall/Winter
800	Suffolk City	1 - Known	1 - Known	

810	Virginia Beach City	1 - Known	
820	Waynesboro City	2 - Likely	M - Fall/Winter
830	Williamsburg City	2 - Likely	
840	Winchester City	2 - Likely	M - Fall/Winter

General Occurrence Comments: The breeding range historically and currently has largely been confined to the Chesapeake Bay and its tributaries in Tidewater Virginia *8511, 9286*. Wintering populations are found on the Rappahannock, James and Potomac Rivers; substantial summer roosts are located on the James and Potomac Rivers *9286*. Transient birds may be seen in any part of the state *4285, 8511, 9286*, and are sometimes reported in migration along the Appalachian Mountains *4285*. Peak counts in the Coastal plain were 72 near Hopewell in July 1986 and 287 along the major Coastal Plain rivers in January, 1986. Peak counts in the piedmont have been 4 at Kerr Reservoir in March 1979 and 1980, and 6 at Kerr Reservoir in January 1985. Peak counts in the mountains and valleys are usually in September and 5 were recorded at Mendota Fire Tower in Washington County in September 1982 *8511*.

Resident Occurrence Comments: The breeding range historically and currently has largely been confined to the Chesapeake Bay and its tributaries in Tidewater Virginia *8511, 9286*. In addition, reservoirs in Bath and Halifax counties have on breeding pair each *9286*. Wintering populations are found on the Rappahannock, James, and Potomac Rivers *(ann-rep), 9286*. Transient birds may be seen in any part of the state *4285,8511,9286*. Only counties with eagle nests that have been active at least one year since 1980 are included. Uncommon permanent resident in the coastal plain. Rate and local permanent resident with breeding recorded near Leesburg and at Kerr Reservoir. Rare transient and winter visitor with most records occurring in September in the mountains and valleys *8511*.

Seasonal Occurrence Comments: Eggs are present from mid February to mid March, though occasionally laid as early as late January; young are in the nest until mid June to early July *8511,9286*. The young, following fledging, undergo an extensive dispersal, wandering widely prior to maturity *9286*. Uncommon permanent resident in the coastal plain. Rare and local permanent resident in the piedmont. Rare transient and winter visitor in the mountains and valleys with a few summer records but most in September *8511*.

References for County Occurrence

RefId Citation

- 2801 Byrd, M.A., Linzey, D.W. (Ed.), 1979, Southern bald eagle from the Proceedings of the Symposium on Threatened and Endangered Plants and Animals in Virginia, pg. 422-423, Ext. Div., VA Tech, Blacksburg, VA
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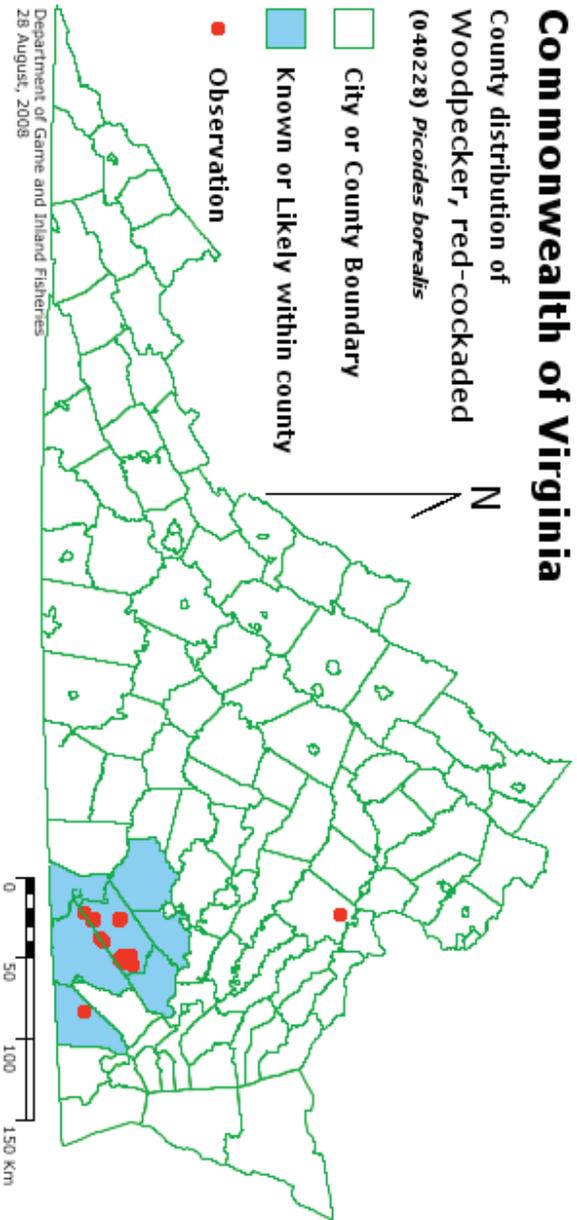
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County occurrence chapter for Woodpecker, red-cockaded (040228)

Commonwealth of Virginia

County distribution of
Woodpecker, red-cockaded
(040228) *Picoides borealis*



County Occurrences

County	County Name	General Occurrence	Resident Occurrence	Seasonal Occurrence
003	Albemarle			
025	Brunswick			
041	Chesterfield			
053	Dinwiddie	2 - Likely		
071	Giles			
081	Greensville	2 - Likely		
087	Henrico			
093	Isle of Wight			
149	Prince George	2 - Likely		
175	Southampton	2 - Likely		
181	Surry	2 - Likely		
183	Sussex	1 - Known	1 - Known	

595	Emporia City	2 - Likely		
620	Franklin City	2 - Likely		
800	Suffolk City	2 - Likely		
810	Virginia Beach City			

General Occurrence Comments: A comprehensive survey of its distribution in Virginia was conducted from 1976-1978. Cavity trees were located in Virginia Beach, Southampton, Isle of Wight, Surry, Sussex, Brunswick and Prince George counties. Birds were observed only in Isle of Wight, Sussex and Prince George counties, with nesting verified only in Sussex county *456*. They are found only in Sussex County and Suffolk *4291,9577*. One adult bird was sited in a residential area of York county in the spring of 1987 *9290*. It is a very rare permanent resident south of Chesapeake Bay and the James and Appomattox rivers *8511*. In Virginia, this species is extremely rare, with only five currently active colonies, all in Sussex County. The status of one colony in the City of Suffolk is uncertain at this time *9286*.

Resident Occurrence Comments: This is a rare permanent resident on the Coastal Plain south of the Chesapeake Bay and the James and Appomattox Rivers, decreasing in recent years, at present most nesting sites are in Sussex County. There is one record for western Virginia: Cumberland Gap, Lee Co. 21 October 1973 *700*. There are no known historical or present records for most cities with the exception of Suffolk (portion which once was Nansensmond County). The present distribution is limited to Sussex County and Suffolk *4291,9577*. These records are from the Virginia Game Commission Red-cockaded Woodpecker Project. One individual adult was observed in York County through the spring in 1987, but no nesting behavior was observed *9290*. In Virginia, this species is extremely rare with only five currently active colonies, all in Sussex County. The status of one colony in the City of Suffolk is uncertain at this time *9286*.

Seasonal Occurrence Comments: This is a permanent resident in Virginia *700*, non-migratory *436*. In Sussex County, eggs are present in nests from May 8-27. The young are in the nests from May 16-June 19 *700*. They are resident only in Sussex County and Suffolk. One adult was observed in York County in the spring of 1987. This species is believed to breed between 15 March and 31 August *8510*.

References for County Occurrence

RefId Citation

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County Occurrence

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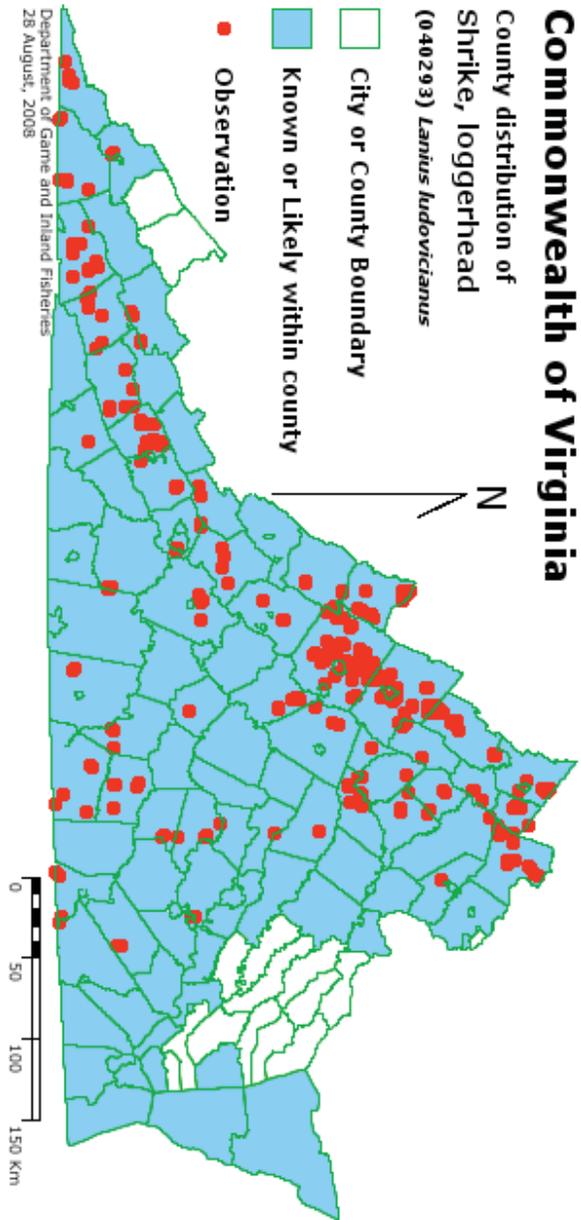
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County occurrence chapter for Shrike, loggerhead (040293)

Commonwealth of Virginia

County distribution of
Shrike, loggerhead
(040293) *Lanius ludovicianus*



County Occurrences

County	County Name	General Occurrence	Resident Occurrence	Seasonal Occurrence
001	Accomack	1 - Known	1 - Known	
003	Albemarle	1 - Known	1 - Known	
005	Alleghany	1 - Known	1 - Known	
007	Amelia	1 - Known	1 - Known	
009	Amherst	1 - Known	1 - Known	
011	Appomattox	1 - Known	1 - Known	
015	Augusta	1 - Known	1 - Known	
017	Bath	1 - Known	1 - Known	
019	Bedford	1 - Known	1 - Known	
021	Bland	1 - Known	1 - Known	
023	Botetourt	1 - Known	1 - Known	
025	Brunswick	1 - Known	1 - Known	

029	Buckingham	1 - Known	1 - Known	
031	Campbell	1 - Known	1 - Known	
033	Caroline	1 - Known	1 - Known	
035	Carroll	1 - Known	1 - Known	
036	Charles City	1 - Known	1 - Known	
037	Charlotte	1 - Known	1 - Known	
041	Chesterfield	1 - Known	1 - Known	
043	Clarke	1 - Known	1 - Known	
045	Craig	1 - Known	1 - Known	
047	Culpeper	1 - Known	1 - Known	
049	Cumberland	1 - Known	1 - Known	
053	Dinwiddie	1 - Known	1 - Known	
059	Fairfax	1 - Known	1 - Known	
061	Fauquier	1 - Known	1 - Known	
063	Floyd	2 - Likely		
065	Fluvanna	1 - Known	1 - Known	
067	Franklin	1 - Known	1 - Known	
069	Frederick	1 - Known	1 - Known	
071	Giles	1 - Known	1 - Known	
075	Goochland	1 - Known	1 - Known	
077	Grayson	1 - Known	1 - Known	
079	Greene	1 - Known	1 - Known	
081	Greensville	1 - Known	1 - Known	
083	Halifax	1 - Known	1 - Known	
085	Hanover	1 - Known	1 - Known	
087	Henrico	1 - Known	1 - Known	
089	Henry	2 - Likely		
091	Highland	1 - Known	1 - Known	
093	Isle of Wight	2 - Likely		
095	James City	1 - Known	1 - Known	
099	King George	1 - Known	1 - Known	

105	Lee	1 - Known	1 - Known	
107	Loudoun	1 - Known	1 - Known	
109	Louisa	1 - Known	1 - Known	
111	Lunenburg	1 - Known	1 - Known	
113	Madison	1 - Known	1 - Known	
115	Mathews	1 - Known	1 - Known	
117	Mecklenburg	1 - Known	1 - Known	
121	Montgomery	1 - Known	1 - Known	
125	Nelson	1 - Known	1 - Known	
131	Northampton	1 - Known	1 - Known	
135	Nottoway	1 - Known	1 - Known	
137	Orange	1 - Known	1 - Known	
139	Page	1 - Known	1 - Known	
141	Patrick	2 - Likely		
143	Pittsylvania	1 - Known	1 - Known	
145	Powhatan	1 - Known	1 - Known	
147	Prince Edward	2 - Likely		
149	Prince George	1 - Known	1 - Known	
153	Prince William	1 - Known	1 - Known	
155	Pulaski	1 - Known	1 - Known	
157	Rappahannock	1 - Known	1 - Known	
161	Roanoke	1 - Known	1 - Known	
163	Rockbridge	1 - Known	1 - Known	
165	Rockingham	1 - Known	1 - Known	
167	Russell	1 - Known	1 - Known	
169	Scott	1 - Known	1 - Known	
171	Shenandoah	1 - Known	1 - Known	
173	Smyth	1 - Known	1 - Known	
175	Southampton	1 - Known	1 - Known	
177	Spotsylvania	1 - Known	1 - Known	
179	Stafford	1 - Known	1 - Known	

181	Surry	1 - Known	1 - Known	
183	Sussex	1 - Known	1 - Known	
185	Tazewell	1 - Known	1 - Known	
187	Warren	1 - Known	1 - Known	
191	Washington	1 - Known	1 - Known	
195	Wise	1 - Known	1 - Known	
197	Wythe	1 - Known	1 - Known	
510	Alexandria City	1 - Known	1 - Known	
515	Bedford City	2 - Likely		
520	Bristol City	2 - Likely		
530	Buena Vista City	2 - Likely		
540	Charlottesville City	2 - Likely		
550	Chesapeake City	2 - Likely		
560	Clifton Forge City	2 - Likely		
570	Colonial Heights City	1 - Known	1 - Known	
580	Covington City	2 - Likely		
590	Danville City	2 - Likely		
595	Emporia City	2 - Likely		
600	Fairfax City	2 - Likely		
610	Falls Church City	2 - Likely		
620	Franklin City	2 - Likely		
630	Fredericksburg City	2 - Likely		
640	Galax City	2 - Likely		
650	Hampton City	1 - Known	1 - Known	
660	Harrisonburg City	1 - Known	1 - Known	
670	Hopewell City	1 - Known	1 - Known	
678	Lexington City	2 - Likely		
680	Lynchburg City	1 - Known	1 - Known	
683	Manassas City	1 - Known	1 - Known	
685	Manassas Park City	2 - Likely		
690	Martinsville City	2 - Likely		

700	Newport News City	1 - Known	1 - Known	
710	Norfolk City	1 - Known	1 - Known	
720	Norton City	2 - Likely		
730	Petersburg City	1 - Known	1 - Known	
740	Portsmouth City	2 - Likely		
750	Radford City	2 - Likely		
760	Richmond City	1 - Known	1 - Known	
770	Roanoke City	1 - Known	1 - Known	
775	Salem City	2 - Likely		
780	South Boston City	2 - Likely		
790	Staunton City	1 - Known	1 - Known	
800	Suffolk City	1 - Known	1 - Known	
810	Virginia Beach City	1 - Known	1 - Known	
820	Waynesboro City	2 - Likely		
830	Williamsburg City	2 - Likely		
840	Winchester City	1 - Known	1 - Known	

General Occurrence Comments: This subspecies reaches the northern limit of its range in central and eastern Virginia *691*. Only this subspecies breeds in the Piedmont and Coastal Plain Provinces, but both this subspecies and the other subspecies resident in Virginia, "migrans", as well as intermediate forms, may breed in the Ridge and Valley province of the state *8886,9333*. Both subspecies may be winter residents in Virginia *8886*. The two subspecies can only be distinguished reliably morphometrically, so that field identification to subspecies distribution is rarely reported. The major sources of data for shrike distribution in Virginia *9333, 8510* do not distinguish the two subspecies in their records, and occurrences listed in this report may be either subspecies. Records for this species exist from every part of the state, but the Shenandoah Valley population, consisting primarily of "migrans" appears to be the most significant and stable in Virginia *9333*. Species is a permanent resident near the Fall Line but rare farther east *8511*, with only one report of the species from Northampton County *10949*. It is an uncommon permanent resident in the Piedmont and a rare to uncommon permanent resident in the Mountains and Valleys, being more numerous in the winter *8511*.

Resident Occurrence Comments: This subspecies reaches the northern limit of its range in central and eastern Virginia *691*. Only this subspecies breeds in the Piedmont and Coastal Plain Provinces, but both this subspecies and the other subspecies resident in Virginia, "migrans", as well as intermediate forms, may breed in the Ridge and Valley province of the state *8886,9333*. Both subspecies may be winter residents in Virginia *8886*. The two subspecies can only be distinguished reliably morphometrically, so that field identification to subspecies is rarely reported. The major sources of data for shrike distribution in Virginia *9333,8510* do not distinguish the two subspecies in their records, and occurrences listed in this report may be either subspecies. Records for this species exist from every part of the state, but resident occurrences in this list are based only on records since 1980, since shrikes clearly appear to be losing ground. The Shenandoah Valley population, consisting primarily of "migrans" appears to be the most significant and stable in Virginia *9333*. Species is an uncommon permanent resident near the fall line but rare farther east *8511*, with only one reported sighting in Northampton County *10949*. The species is an uncommon permanent resident in the Piedmont. It is a rare to uncommon permanent resident and more numerous in the winter in the Mountain and Valleys *8511*.

Seasonal Occurrence Comments: This subspecies is a permanent resident in central and eastern Virginia *691, 700*. This species is believed to breed between 20 April and 20 July *8510*. Some breeding birds may be migratory and some winter birds may migrate into Virginia from northern breeding areas *8886*. This species is rare, if not absent, on the Eastern Shore of Virginia. No recent records have appeared for this species on the Eastern Shore *11627*.

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Ref.Id Citation

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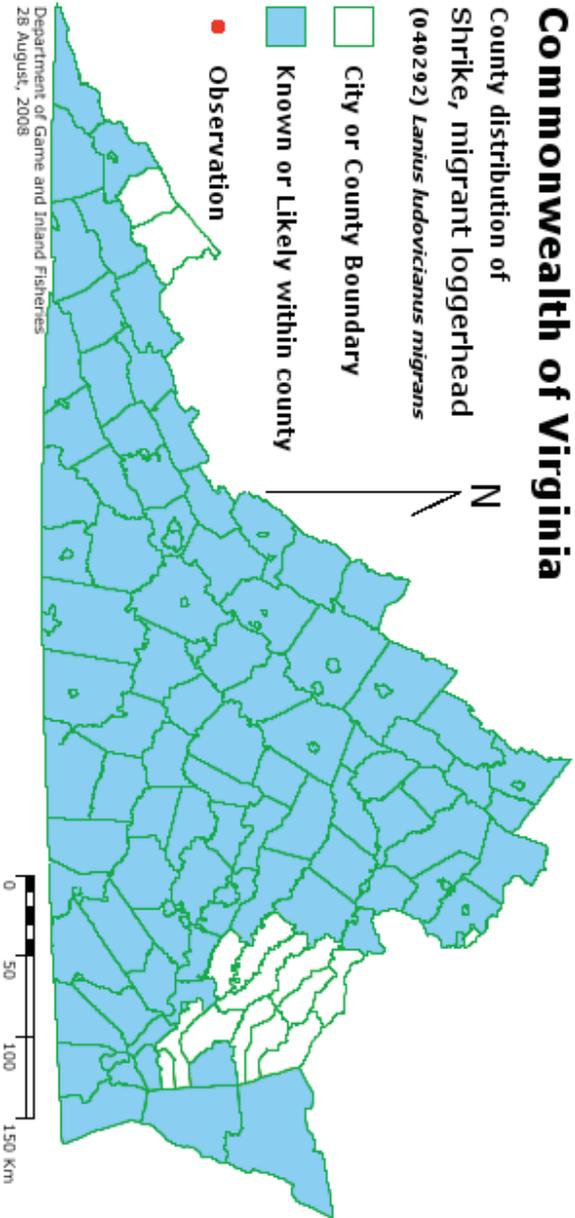
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County occurrence chapter for Shrike, migrant loggerhead (040292)

Commonwealth of Virginia

County distribution of
Shrike, migrant loggerhead
(040292) *Lanius ludovicianus migrans*



County Occurrences

County	County Name	General Occurrence	Resident Occurrence	Seasonal Occurrence
001	Accomack	1 - Known	1 - Known	
003	Albemarle	1 - Known	1 - Known	
005	Alleghany	1 - Known	1 - Known	
007	Amelia	1 - Known	1 - Known	
009	Amherst	1 - Known	1 - Known	
011	Appomattox	1 - Known	1 - Known	
015	Augusta	1 - Known	1 - Known	
017	Bath	1 - Known	1 - Known	
019	Bedford	1 - Known	1 - Known	
021	Bland	1 - Known	1 - Known	
023	Botetourt	1 - Known	1 - Known	
025	Brunswick	1 - Known	1 - Known	

029	Buckingham	1 - Known	1 - Known	
031	Campbell	1 - Known	1 - Known	
033	Caroline	1 - Known	1 - Known	
035	Carroll	1 - Known	1 - Known	
036	Charles City	1 - Known	1 - Known	
037	Charlotte	1 - Known	1 - Known	
041	Chesterfield	1 - Known	1 - Known	
043	Clarke	1 - Known	1 - Known	
045	Craig	1 - Known	1 - Known	
047	Culpeper	1 - Known	1 - Known	
049	Cumberland	2 - Likely		
053	Dinwiddie	1 - Known	1 - Known	
059	Fairfax	1 - Known	1 - Known	
061	Fauquier	1 - Known	1 - Known	
063	Floyd	2 - Likely		
065	Fluvanna	1 - Known	1 - Known	
067	Franklin	1 - Known	1 - Known	
069	Frederick	1 - Known	1 - Known	
071	Giles	1 - Known	1 - Known	
075	Goochland	1 - Known	1 - Known	
077	Grayson	1 - Known	1 - Known	
079	Greene	1 - Known	1 - Known	
081	Greensville	1 - Known	1 - Known	
083	Halifax	1 - Known	1 - Known	
085	Hanover	1 - Known	1 - Known	
087	Henrico	1 - Known	1 - Known	
089	Henry	2 - Likely		
091	Highland	1 - Known	1 - Known	
093	Isle of Wight	2 - Likely		
095	James City	1 - Known	1 - Known	
099	King George	1 - Known	1 - Known	

105	Lee	1 - Known	1 - Known	
107	Loudoun	1 - Known	1 - Known	
109	Louisa	1 - Known	1 - Known	
111	Lunenburg	1 - Known	1 - Known	
113	Madison	1 - Known	1 - Known	
115	Mathews	1 - Known	1 - Known	
117	Mecklenburg	1 - Known	1 - Known	
121	Montgomery	1 - Known	1 - Known	
125	Nelson	1 - Known	1 - Known	
131	Northampton	1 - Known	1 - Known	
135	Nottoway	1 - Known	1 - Known	
137	Orange	1 - Known	1 - Known	
139	Page	1 - Known	1 - Known	
141	Patrick	2 - Likely		
143	Pittsylvania	1 - Known	1 - Known	
145	Powhatan	1 - Known	1 - Known	
147	Prince Edward	2 - Likely		
149	Prince George	1 - Known	1 - Known	
153	Prince William	1 - Known	1 - Known	
155	Pulaski	1 - Known	1 - Known	
157	Rappahannock	1 - Known	1 - Known	
161	Roanoke	1 - Known	1 - Known	
163	Rockbridge	1 - Known	1 - Known	
165	Rockingham	1 - Known	1 - Known	
167	Russell	1 - Known	1 - Known	
169	Scott	1 - Known	1 - Known	
171	Shenandoah	1 - Known	1 - Known	
173	Smyth	1 - Known	1 - Known	
175	Southampton	1 - Known	1 - Known	
177	Spotsylvania	1 - Known	1 - Known	
179	Stafford	1 - Known	1 - Known	

181	Surry	1 - Known	1 - Known	
183	Sussex	1 - Known	1 - Known	
185	Tazewell	1 - Known	1 - Known	
187	Warren	1 - Known	1 - Known	
191	Washington	1 - Known	1 - Known	
195	Wise	1 - Known	1 - Known	
197	Wythe	1 - Known	1 - Known	
510	Alexandria City	1 - Known	1 - Known	
515	Bedford City	2 - Likely		
520	Bristol City	2 - Likely		
530	Buena Vista City	2 - Likely		
540	Charlottesville City	2 - Likely		
550	Chesapeake City	2 - Likely		
560	Clifton Forge City	2 - Likely		
570	Colonial Heights City	1 - Known	1 - Known	
580	Covington City	2 - Likely		
590	Danville City	2 - Likely		
595	Emporia City	2 - Likely		
600	Fairfax City	2 - Likely		
610	Falls Church City	2 - Likely		
620	Franklin City	2 - Likely		
630	Fredericksburg City	2 - Likely		
640	Galax City	2 - Likely		
650	Hampton City	1 - Known	1 - Known	
660	Harrisonburg City	1 - Known	1 - Known	
670	Hopewell City	1 - Known	1 - Known	
678	Lexington City	2 - Likely		
680	Lynchburg City	1 - Known	1 - Known	
683	Manassas City	1 - Known	1 - Known	
685	Manassas Park City	2 - Likely		
690	Martinsville City	2 - Likely		

700	Newport News City	1 - Known	1 - Known	
710	Norfolk City	1 - Known	1 - Known	
720	Norton City	2 - Likely		
730	Petersburg City	1 - Known	1 - Known	
740	Portsmouth City	2 - Likely		
750	Radford City	2 - Likely		
760	Richmond City	1 - Known	1 - Known	
770	Roanoke City	1 - Known	1 - Known	
775	Salem City	2 - Likely		
780	South Boston City	2 - Likely		
790	Staunton City	1 - Known	1 - Known	
800	Suffolk City	1 - Known	1 - Known	
810	Virginia Beach City	1 - Known	1 - Known	
820	Waynesboro City	2 - Likely		
830	Williamsburg City	2 - Likely		
840	Winchester City	1 - Known	1 - Known	

General Occurrence Comments: This subspecies reaches the southern limit of its range in northern Virginia and then south along the Appalachians to North Carolina *691*. This subspecies breeds primarily in the Ridge and Valley Province, though the other subspecies resident in Virginia, "Iudovicianus", may breed sympatrically throughout Virginia *8886*. The two subspecies can only be distinguished reliably morphometrically, so that field identification to subspecies is rarely reported. The major sources of data for shrike distribution in Virginia *9333, 9797* do not distinguish the two subspecies in their records, and occurrences listed in this report may be either subspecies. Records for this species exists from every part of the state, but the Shenandoah Valley region - consisting primarily of "migrans" - appears to hold the most significant and stable population in Virginia. Distribution for L. l. migrans based on information for L. Iudovicianus subspecies are indistinguishable in most cases *8886*.

Resident Occurrence Comments: This subspecies reaches the southern limit of its range in northern Virginia and Maryland and then south along the Appalachians to North Carolina *691*. The Mountains and Valleys Province of Virginia lies in a region of overlap between the migrating and non-migrating subspecies. Both subspecies and intermediate forms may breed in the Mountains and Valleys Province. The migrant subspecies does not breed in the Piedmont or Coastal Plain Provinces. Both subspecies may be winter residents in Virginia *8886*. It is a rare to uncommon permanent resident in the Mountains and Valleys section of western Virginia *700*. Because the migrant shrike winters in the southern half of its range *404*, it is found in greater numbers in this part of Virginia during the winter *700*. The peak count was 20, during the Augusta County Christmas bird count, 21 December 1974 *700*. Distribution for L. l. migrans based on information for L. Iudovicianus subspecies are indistinguishable in most cases *8886*.

Seasonal Occurrence Comments: The migrant subspecies may not breed in the Piedmont of Coastal Plain Provinces, but it is known to breed in the mountains and valleys section of western Virginia *700*. Some breeding birds may be migratory and some winter birds may migrate into Virginia from northern breeding areas *8886*. Because the migrant shrike winters in the southern half of its range *404*, it is found in greater

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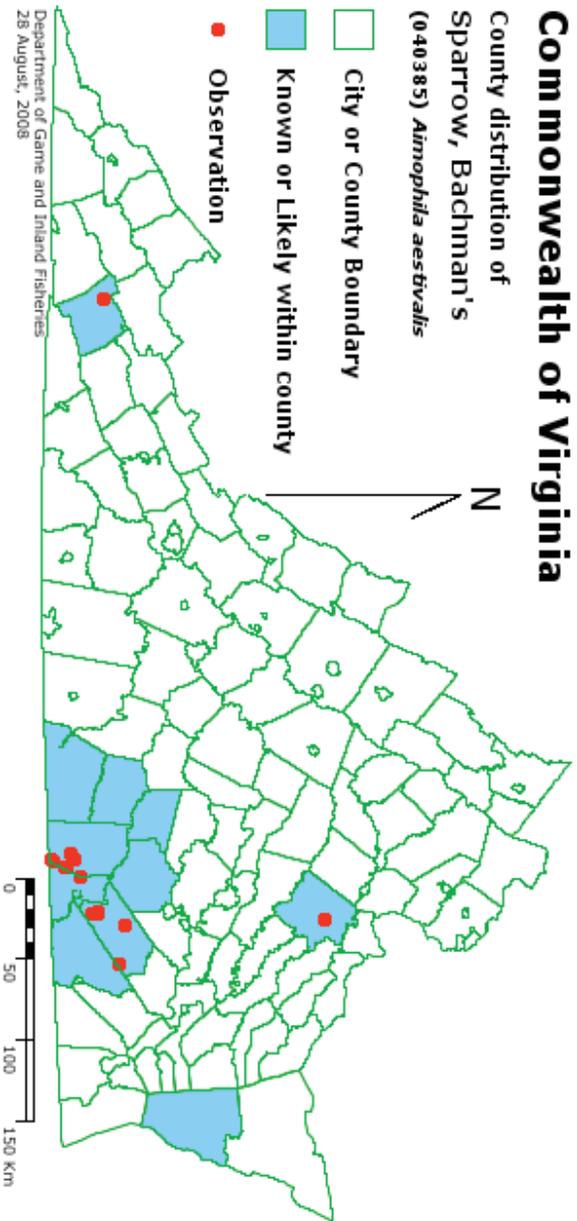
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County occurrence chapter for Sparrow, Bachman's (040385)

Commonwealth of Virginia

County distribution of Sparrow, Bachman's (040385) *Aimophila aestivalis*



County Occurrences

County	County Name	General Occurrence	Resident Occurrence	Seasonal Occurrence
003	Albemarle			
025	Brunswick	1 - Known	1 - Known	B - Spring/Summer
033	Caroline	1 - Known	1 - Known	B - Spring/Summer
053	Dinwiddie	1 - Known	1 - Known	B - Spring/Summer
059	Fairfax			
081	Greensville	1 - Known	1 - Known	B - Spring/Summer
111	Lunenburg	2 - Likely		
117	Mecklenburg	1 - Known	1 - Known	B - Spring/Summer
131	Northampton	1 - Known	1 - Known	
135	Nottoway	1 - Known	1 - Known	B - Spring/Summer
173	Smyth	1 - Known	1 - Known	B - Spring/Summer
175	Southampton	1 - Known	1 - Known	B - Spring/Summer

183	Sussex	1 - Known	1 - Known	B - Spring/Summer
191	Washington			B - Spring/Summer
595	Emporia City	2 - Likely		B - Spring/Summer
620	Franklin City			B - Spring/Summer

General Occurrence Comments: Coastal Plain: last recorded in eastern Fairfax County in 1964; other records include 1 in Henrico County on 25 April 1949, 1 on the Cape Charles Christmas Bird Count on 28 December 1975, and 2 adults and 1 juvenile in Caroline Co. in June 1993 *10949*. Piedmont: was common in late 1800's with eggs reported in Lynchburg, 12 May 1897, and eggs collected from several nests in Albemarle County in 1899; more recently observed in Brunswick County during the 1989 Breeding Bird Atlas *8511*. Mountains and Valleys: 1 singing male observed in Smyth County during the breeding season, 1989 *8511*.

Resident Occurrence Comments: Coastal Plain: last recorded in eastern Fairfax County in 1964; other records include 1 in Henrico County on 25 April 1949, 1 on the Cape Charles Christmas Bird Count on 28 December 1975, and 2 adults and 1 juvenile in Caroline Co. in June 1993 *10949*. Piedmont: was common in late 1800's with eggs reported in Lynchburg, 12 May 1897, and eggs collected from several nests in Albemarle County in 1899; more recently observed in Brunswick County during the 1989 Breeding Bird Atlas *8511*. Mountains and Valleys: 1 singing male observed in Smyth County during the breeding season, 1989 *8511*.

Seasonal Occurrence Comments: Rare summer resident in the coastal plain and piedmont *8511*. This species is believed to breed between 1 June and 31 July *8510*.

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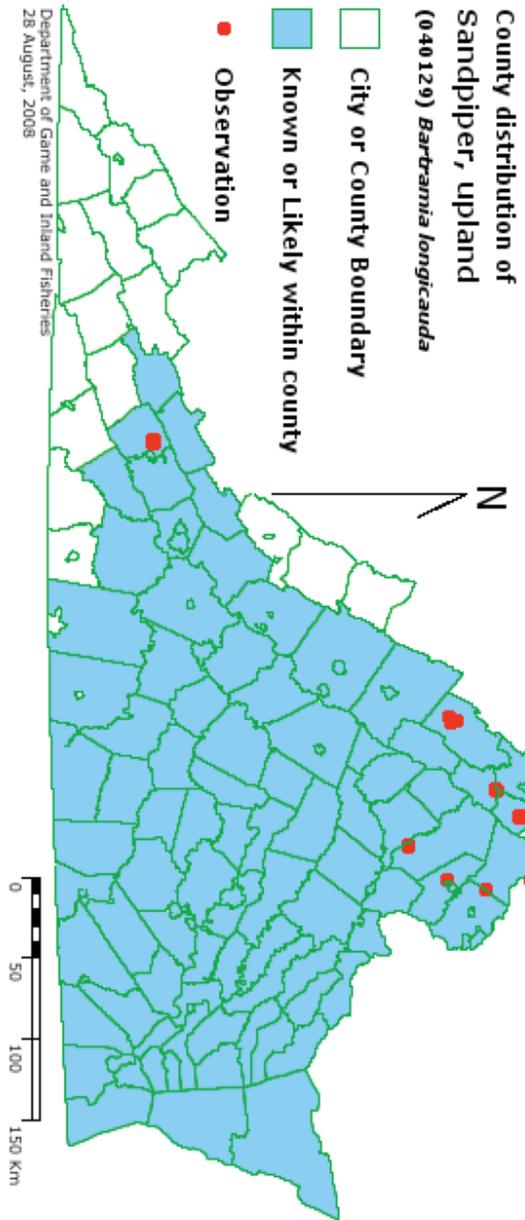
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County occurrence chapter for Sandpiper, upland (040129)

Commonwealth of Virginia



County Occurrences

County	County Name	General Occurrence	Resident Occurrence	Seasonal Occurrence
001	Accomack	1 - Known		M - Fall/Winter
003	Albemarle	1 - Known		M - Fall/Winter
007	Amelia	2 - Likely		M - Fall/Winter
009	Amherst	1 - Known		M - Fall/Winter
011	Appomattox	2 - Likely		M - Fall/Winter
013	Arlington	2 - Likely		B - Spring/Summer
015	Augusta	2 - Likely		M - Fall/Winter
019	Bedford	2 - Likely		M - Fall/Winter
021	Bland	2 - Likely		M - Fall/Winter
023	Botetourt	2 - Likely		M - Fall/Winter
025	Brunswick	2 - Likely		M - Fall/Winter
029	Buckingham	2 - Likely		M - Fall/Winter

031	Campbell	2 - Likely		M - Fall/Winter
033	Caroline	2 - Likely		M - Fall/Winter
036	Charles City	2 - Likely		M - Fall/Winter
037	Charlotte	2 - Likely		M - Fall/Winter
041	Chesterfield	2 - Likely		M - Fall/Winter
043	Clarke	1 - Known	1 - Known	B - Spring/Summer
045	Craig	2 - Likely		M - Fall/Winter
047	Culpeper	1 - Known	1 - Known	B - Spring/Summer
049	Cumberland	2 - Likely		M - Fall/Winter
053	Dimwiddie	2 - Likely		M - Fall/Winter
057	Essex	2 - Likely		M - Fall/Winter
059	Fairfax	1 - Known		B - Spring/Summer
061	Fauquier	1 - Known	1 - Known	B - Spring/Summer
063	Floyd	2 - Likely		M - Fall/Winter
065	Fluvanna	2 - Likely		M - Fall/Winter
067	Franklin	2 - Likely		M - Fall/Winter
069	Frederick	1 - Known		B - Spring/Summer
071	Giles	2 - Likely		M - Fall/Winter
073	Gloucester	2 - Likely		M - Fall/Winter
075	Goochland	2 - Likely		M - Fall/Winter
079	Greene	2 - Likely		B - Spring/Summer
081	Greensville	2 - Likely		M - Fall/Winter
083	Halifax	2 - Likely		M - Fall/Winter
085	Hanover	2 - Likely		M - Fall/Winter
087	Henrico	1 - Known		M - Fall/Winter
093	Isle of Wight	2 - Likely		M - Fall/Winter
095	James City	2 - Likely		M - Fall/Winter
097	King and Queen	2 - Likely		M - Fall/Winter
099	King George	2 - Likely		M - Fall/Winter
101	King William	2 - Likely		M - Fall/Winter
103	Lancaster	2 - Likely		M - Fall/Winter

107	Loudoun	1 - Known	1 - Known	B - Spring/Summer
109	Louisa	2 - Likely		M - Fall/Winter
111	Lunenburg	2 - Likely		M - Fall/Winter
113	Madison	2 - Likely		B - Spring/Summer
115	Mathews	2 - Likely		M - Fall/Winter
117	Mecklenburg	2 - Likely		M - Fall/Winter
119	Middlesex	2 - Likely		M - Fall/Winter
121	Montgomery	1 - Known	1 - Known	B - Spring/Summer
125	Nelson	2 - Likely		M - Fall/Winter
127	New Kent	2 - Likely		M - Fall/Winter
131	Northampton	1 - Known		M - Fall/Winter
133	Northumberland	2 - Likely		M - Fall/Winter
135	Nottoway	2 - Likely		M - Fall/Winter
137	Orange	2 - Likely		B - Spring/Summer
139	Page	2 - Likely		B - Spring/Summer
143	Pittsylvania	2 - Likely		M - Fall/Winter
145	Powhatan	2 - Likely		M - Fall/Winter
147	Prince Edward	2 - Likely		M - Fall/Winter
149	Prince George	2 - Likely		M - Fall/Winter
153	Prince William	1 - Known	1 - Known	B - Spring/Summer
155	Pulaski	1 - Known	1 - Known	B - Spring/Summer
157	Rappahannock	2 - Likely		B - Spring/Summer
159	Richmond	2 - Likely		M - Fall/Winter
161	Roanoke	2 - Likely		M - Fall/Winter
163	Rockbridge	2 - Likely		M - Fall/Winter
165	Rockingham	1 - Known	1 - Known	B - Spring/Summer
171	Shenandoah	1 - Known	1 - Known	B - Spring/Summer
175	Southampton	2 - Likely		M - Fall/Winter
177	Spotsylvania	2 - Likely		B - Spring/Summer
179	Stafford	2 - Likely		B - Spring/Summer
181	Surry	2 - Likely		M - Fall/Winter

183	Sussex	2 - Likely		M - Fall/Winter
187	Warren	1 - Known		B - Spring/Summer
193	Westmoreland	2 - Likely		M - Fall/Winter
199	York	2 - Likely		M - Fall/Winter
510	Alexandria City	2 - Likely		B - Spring/Summer
515	Bedford City	2 - Likely		M - Fall/Winter
530	Buena Vista City	2 - Likely		M - Fall/Winter
540	Charlottesville City	2 - Likely		M - Fall/Winter
550	Chesapeake City	1 - Known		M - Fall/Winter
570	Colonial Heights City	2 - Likely		M - Fall/Winter
595	Emporia City	2 - Likely		M - Fall/Winter
600	Fairfax City	2 - Likely		B - Spring/Summer
610	Falls Church City	2 - Likely		B - Spring/Summer
620	Franklin City	2 - Likely		M - Fall/Winter
630	Fredericksburg City	2 - Likely		B - Spring/Summer
650	Hampton City	2 - Likely		M - Fall/Winter
660	Harrisonburg City	2 - Likely		B - Spring/Summer
670	Hopewell City	2 - Likely		M - Fall/Winter
678	Lexington City	2 - Likely		M - Fall/Winter
680	Lynchburg City	2 - Likely		M - Fall/Winter
683	Manassas City	1 - Known		B - Spring/Summer
685	Manassas Park City	1 - Known		B - Spring/Summer
700	Newport News City	2 - Likely		M - Fall/Winter
710	Norfolk City	2 - Likely		M - Fall/Winter
730	Petersburg City	2 - Likely		M - Fall/Winter
735	Poquoson City	2 - Likely		M - Fall/Winter
740	Portsmouth City	2 - Likely		M - Fall/Winter
750	Radford City	1 - Known	1 - Known	B - Spring/Summer
760	Richmond City	1 - Known		M - Fall/Winter
770	Roanoke City	2 - Likely		M - Fall/Winter
775	Salem City	2 - Likely		M - Fall/Winter

790	Staunton City	2 - Likely		M - Fall/Winter
800	Suffolk City	2 - Likely		M - Fall/Winter
810	Virginia Beach City	2 - Likely		M - Fall/Winter
820	Waynesboro City	2 - Likely		M - Fall/Winter
830	Williamsburg City	2 - Likely		M - Fall/Winter
840	Winchester City	2 - Likely		B - Spring/Summer

General Occurrence Comments: Rare spring and locally uncommon fall transient in the Coastal Plain. Rare transient in the Piedmont and rare and local summer resident in Amherst, western Fairfax, Loudoun, and Prince William Counties, formerly south to Albemarle County. Locally rare transient and summer resident in the Mountains and Valleys. Recent summer records have been from Pulaski County northward. Recent nesting records have been from Rockingham and Montgomery Counties *8511*.

Resident Occurrence Comments: Rare spring and locally uncommon fall transient, rare in late fall along the coast. Rare transient, rare and local summer resident in the Piedmont north of Amherst Co. Locally rare transient and summer resident in the mts and valleys north of Pulaski Co *8511*. Breeding recorded in Loudoun, Prince William, Rockingham, Shenandoah, Montgomery, and Pulaski Counties *8510,8511*.

Seasonal Occurrence Comments: Rare spring and locally uncommon fall transient in Coastal Plain. Rare transient in the Piedmont and rare and local summer resident in Amherst, western Fairfax, Loudoun, and Prince William Counties. Locally rare transient and summer resident in the Mountains and Valleys *8511*. Postbreeding migration records are concentrated primarily at or near breeding locations, on the Eastern Shore, in the Tidewater area, and at a few inland airports *9286*.

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RefId Citation

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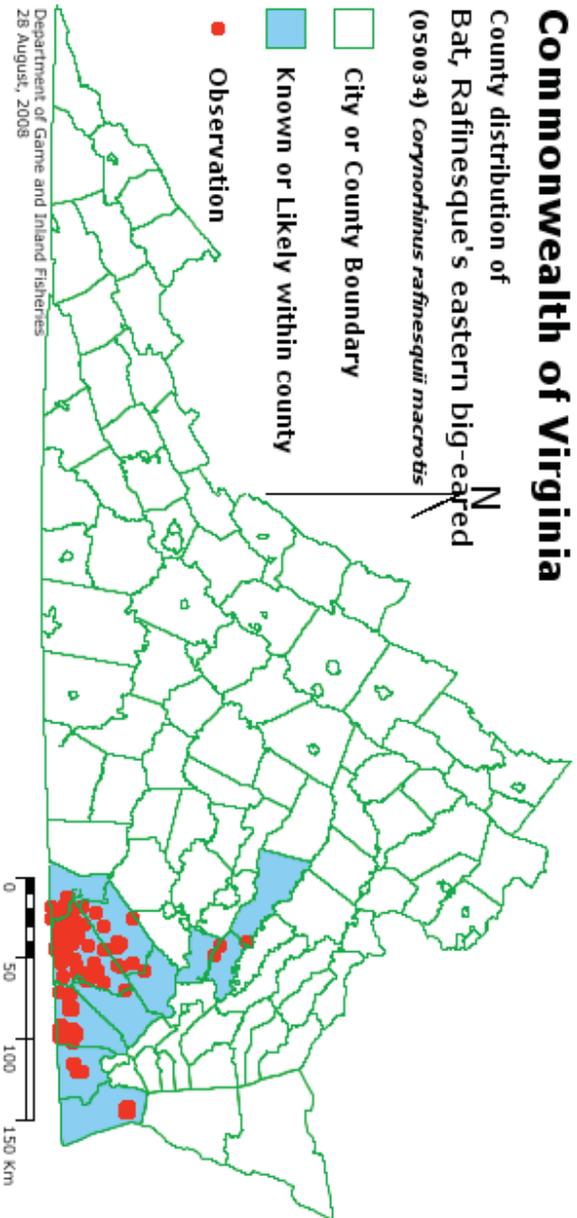
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County occurrence chapter for Bat, Rafinesque's eastern big-eared (050034)

Commonwealth of Virginia

County distribution of
Bat, Rafinesque's eastern big-eared
(050034) *Corynorhinus rafinesquii macrotis*



County Occurrences

County	County Name	General Occurrence	Resident Occurrence	Seasonal Occurrence
036	Charles City	2 - Likely		
081	Greensville	1 - Known	1 - Known	
085	Hanover	1 - Known	1 - Known	
093	Isle of Wight	2 - Likely		
127	New Kent	1 - Known	1 - Known	
175	Southampton	1 - Known	1 - Known	
181	Surry	1 - Known	1 - Known	
183	Sussex	1 - Known	1 - Known	
550	Chesapeake City	1 - Known	1 - Known	
595	Emporia City	2 - Likely		
620	Franklin City	2 - Likely		
800	Suffolk City	1 - Known	1 - Known	

810	Virginia Beach City	1 - Known	1 - Known	
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General Occurrence Comments: There was a specimen collected at Lake Drummond in Dismal Swamp *2783,152,148,8905*. There is a recent report of this species from Virginia Beach *2783*. A 1993 survey turned up 24 new sites *10779*

Resident Occurrence Comments: A specimen was collected at Lake Drummond in Dismal Swamp *2783,152,148,8905*. There is a recent report of this species from Virginia Beach *2783*. A 1993 survey turned up 24 new sites *10779*

Seasonal Occurrence Comments: There is no evidence of migration *148*. This species hibernates in the northern part of its range *9286*.

References for County Occurrence

RefId Citation

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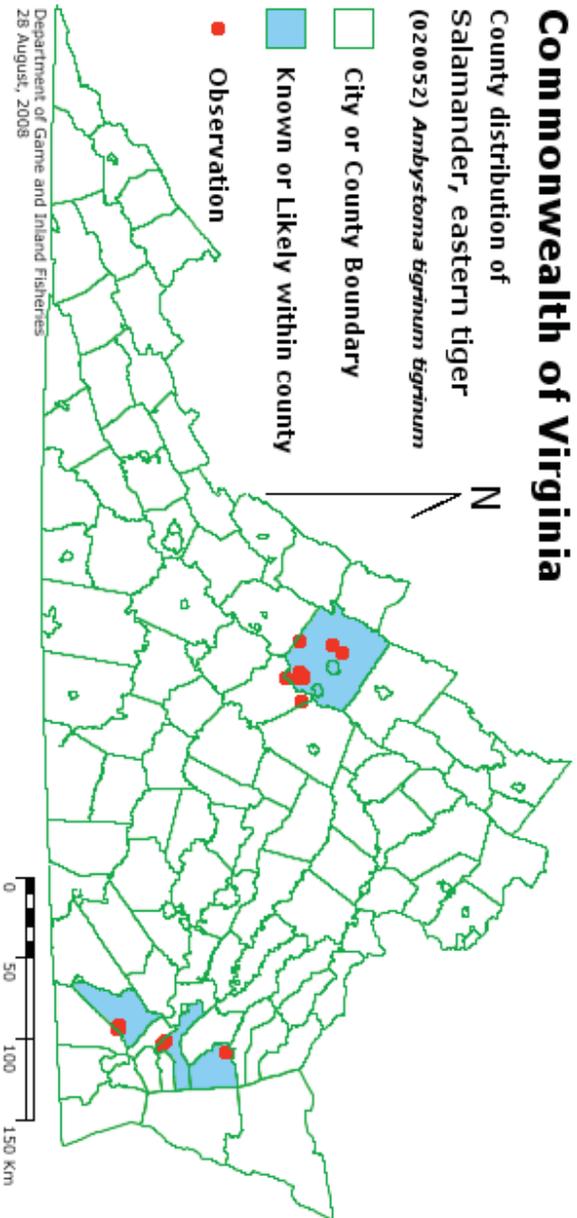
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County occurrence chapter for Salamander, eastern tiger (020052)

Commonwealth of Virginia

County distribution of
Salamander, eastern tiger
(020052) *Ambystoma tigrinum tigrinum*



County Occurrences

County	County Name	General Occurrence	Resident Occurrence	Seasonal Occurrence
015	Augusta	1 - Known	1 - Known	
085	Hanover			
093	Isle of Wight	1 - Known	1 - Known	
115	Mathews	1 - Known	1 - Known	
199	York	1 - Known	1 - Known	
790	Staunton City	2 - Likely		
820	Waynesboro City	2 - Likely		

General Occurrence Comments: This species is known to the following Virginia sites: two from the Coastal Plain (York and Mathews counties), and one from the Shenandoah Valley (Augusta County). It is known mainly from the Coastal Plain and lower Piedmont physiographic provinces *9286*. Potential breeding habitat around the York County site has been destroyed. A literature record in Hanover County is based on an unidentified egg mass. *11332*

Resident Occurrence Comments: It is known primarily from the Coastal Plain and lower Piedmont physiographic provinces *9286*. Potential breeding habitat around the York County site has been destroyed.

The

Seasonal Occurrence Comments:

References for County Occurrence

Ref.Id Citation

- 4206 Mitchell, J., Pague, C., 1991, Amphibians and reptiles of Virginia -in preparation.
- 8800 Tobey, F. J., 1985, Virginia's amphibians and reptiles: A distributional survey, 114 pgs., VA Herpetological Survey, Purcellville, VA
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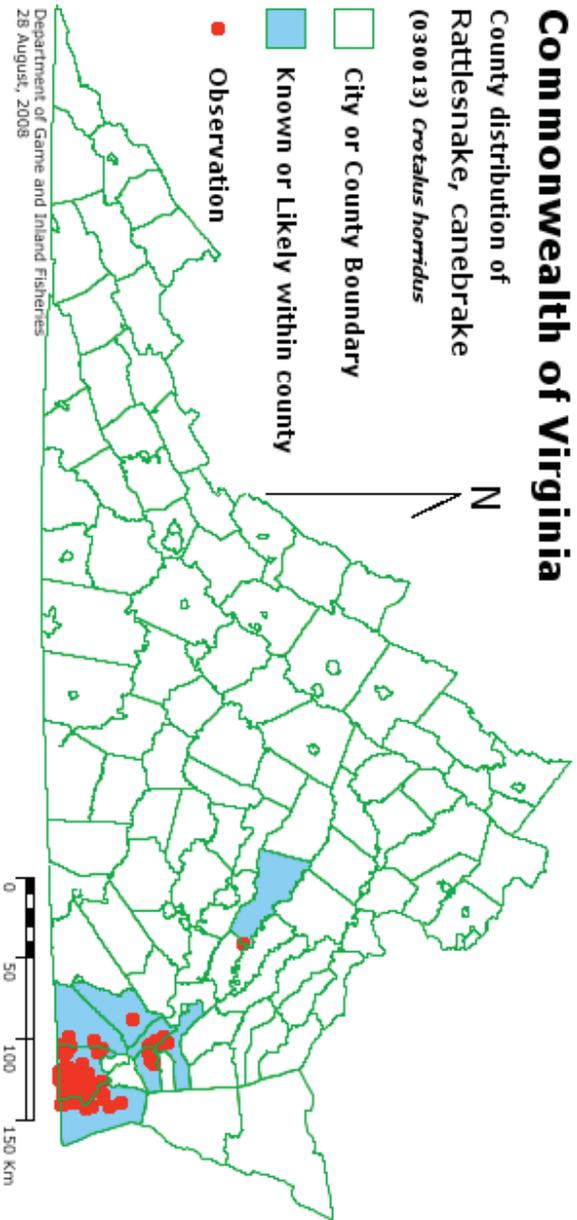
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County occurrence chapter for Rattlesnake, canebrake (030013)

Commonwealth of Virginia

County distribution of
Rattlesnake, canebrake
(030013) *Crotalus horridus*



County Occurrences

County	County Name	General Occurrence	Resident Occurrence	Seasonal Occurrence
003	Albemarle			
005	Alleghany			
021	Bland			
035	Carroll			
036	Charles City			
041	Chesterfield			
045	Craig			
053	Dinwiddie			
069	Frederick			
077	Grayson			
081	Greensville			
083	Halifax			

085	Hanover	1 - Known		
089	Henry			
091	Highland			
093	Isle of Wight	1 - Known	1 - Known	
095	James City			
101	King William			
105	Lee			
117	Mecklenburg			
121	Montgomery			
125	Nelson			
141	Patrick			
143	Pittsylvania			
149	Prince George			
155	Pulaski			
163	Rockbridge			
169	Scott			
173	Smyth			
175	Southampton			
181	Surry			
183	Sussex			
185	Tazewell			
191	Washington			
195	Wise			
197	Wythe			
199	York	1 - Known	1 - Known	
550	Chesapeake City	1 - Known	1 - Known	
620	Franklin City			
650	Hampton City	1 - Known	1 - Known	
700	Newport News City	1 - Known	1 - Known	
710	Norfolk City			
740	Portsmouth City			

800	Suffolk City	1 - Known	1 - Known	
810	Virginia Beach City	1 - Known	1 - Known	

General Occurrence Comments: Distributional data accumulated in the middle 1900\'s showed that this subspecies was restricted to southeastern Virginia. Most of those localities were in the lower York-James peninsula and in the southeastern corner east of the Dismal Swamp area. The canebrake will probably be limited to four or five isolated populations due to habitat loss *9286* *10760*.

Resident Occurrence Comments: Distributional data accumulated in the middle 1900\'s showed that this subspecies was restricted to southeastern Virginia. Most of those localities were in the lower York-James peninsula and in the southeastern corner east of the Dismal Swamp area. A specimen was found in Isle of Wight County. The canebrake is probably extirpated in the York-James peninsula and will probably be limited to four or five isolated populations north and east of the Dismal Swamp before the year 2000 *9286,10760*.

Seasonal Occurrence Comments:

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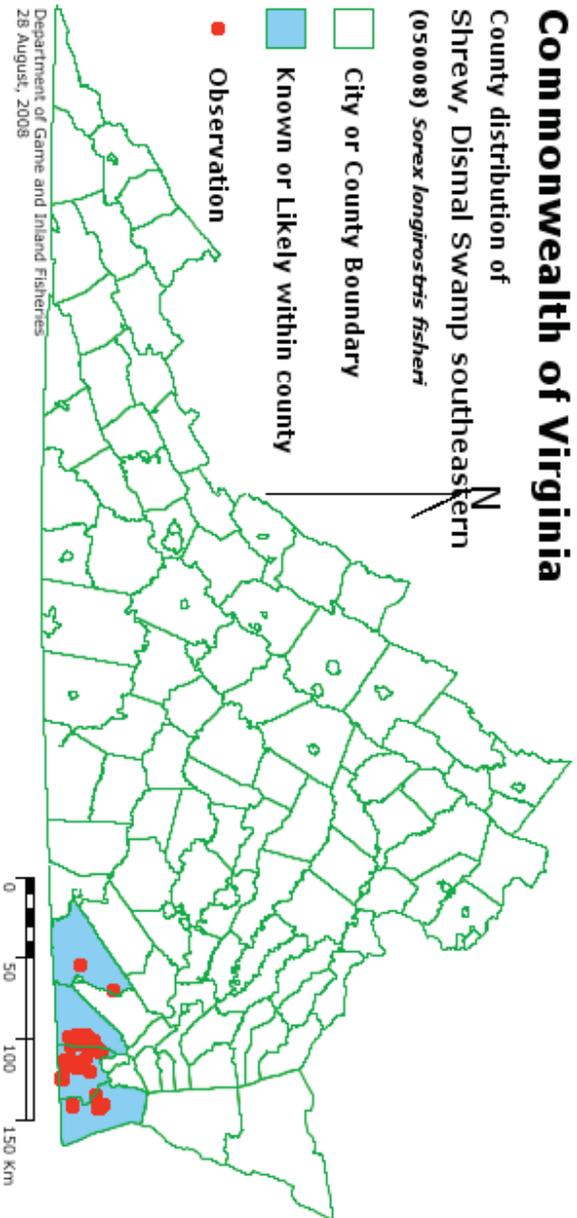
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County occurrence chapter for Shrew, Dismal Swamp southeastern (050008)

Commonwealth of Virginia

County distribution of
Shrew, Dismal Swamp southeastern
(050008) *Sorex longirostris fisheri*



County Occurrences

County	County Name	General Occurrence	Resident Occurrence	Seasonal Occurrence
175	Southampton	1 - Known	1 - Known	
550	Chesapeake City	1 - Known	1 - Known	
800	Suffolk City	1 - Known	1 - Known	
810	Virginia Beach City	1 - Known	1 - Known	

General Occurrence Comments: The distribution coincides with the historical boundaries of the Great Dismal Swamp of extreme southwestern Virginia and adjacent North Carolina *8889,9286,9328,9767*.

Resident Occurrence Comments: The distribution coincides with the historical boundaries of the Great Dismal Swamp of extreme southwestern Virginia and adjacent North Carolina *8889,9286,9328,9767*.

Seasonal Occurrence Comments:

References for County Occurrence

Ref.Id Citation

- 8889 Rose, R.K., R.K. Everton, T.M. Padgett, 1987, Distribution and current status of the threatened Dismal Swamp southeastern shrew, *Sorex longirostris fisheri*, Virginia J. Sci., Vol. 38, Num. 4, pg.

358-363

- 9217 Padgett, T. M., Everton, R. K., Rose, R. K., 1987, The identification of the threatened southeastern shrew using multivariate statistical techniques, Va. J. Sci., Vol. 38, Num. 4, pg. 351-357
- 9286 Terwilliger, K. T., 1991, Virginia's endangered species: Proceedings of a symposium. Coordinated by the Virginia Dept. of Game and Inland Fisheries, Nongame and Endangered Species Program, 672 pp. pgs., McDonald and Woodward Publ. Comp., Blacksburg, VA
- 9328 Rose, R. K., Judy Jacobs, 1994, Dismal Swamp Southeastern Shrew (*Sorex longirostris* fisheri Merriam) Recovery Plan, 27 pgs., USFWS
- 9329 Rose, R. K., 1983, A study of two rare mammals endemic to the Virginia/North Carolina dismal swamp, 73 pgs., Old Dominion University
- 9767 Rose, R. K., Everton, R. K., Stankovich, J. F., Walke, J. W., 1990, Small mammals in the Great Dismal Swamp of Virginia and North Carolina, Vol. 16, pg. 87-101, Brimleyana
- 10949 Virginia Department of Game and Inland Fisheries, 1995, Collections Database
- 11313 Virginia Tech Museum of Natural History, 1998, Mammals collections from Virginia - database listing, Blacksburg, VA
- 11321 Linzey, D. W., 1998, The mammals of Virginia, 459 pp. pgs., McDonald and Woodward Publishing Comp., Blacksburg, VA
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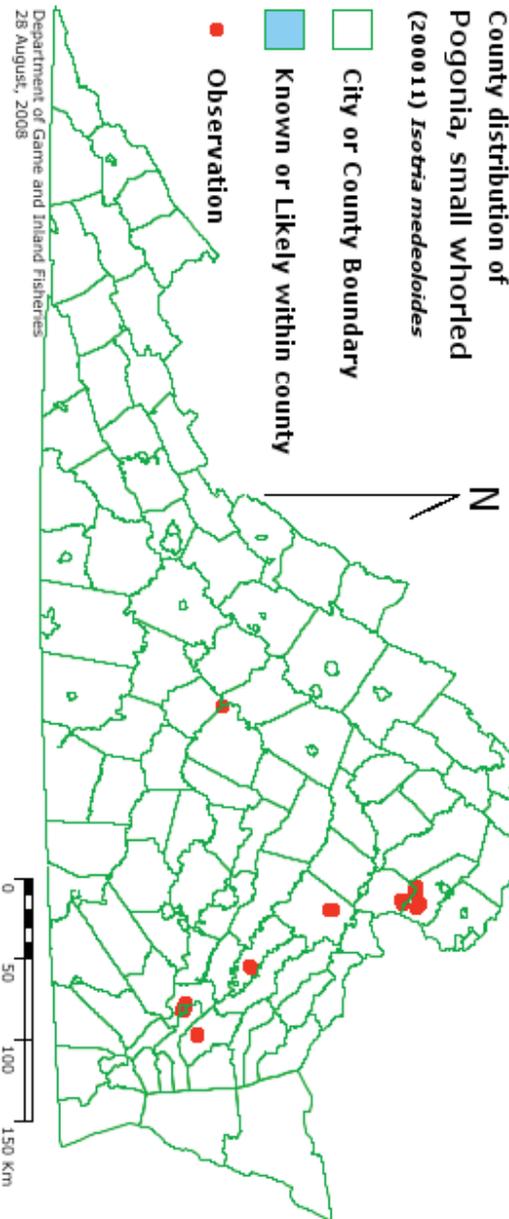
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County occurrence chapter for Pogonia, small whorled (200011)

Commonwealth of Virginia

County distribution of
Pogonia, small whorled
(200011) *Isoetra medeoloides*



County Occurrences No County Occurrence Records Found for 200011.

County Occurrence Comments: Not Available

References for County Occurrence

No References found for County Occurrences.

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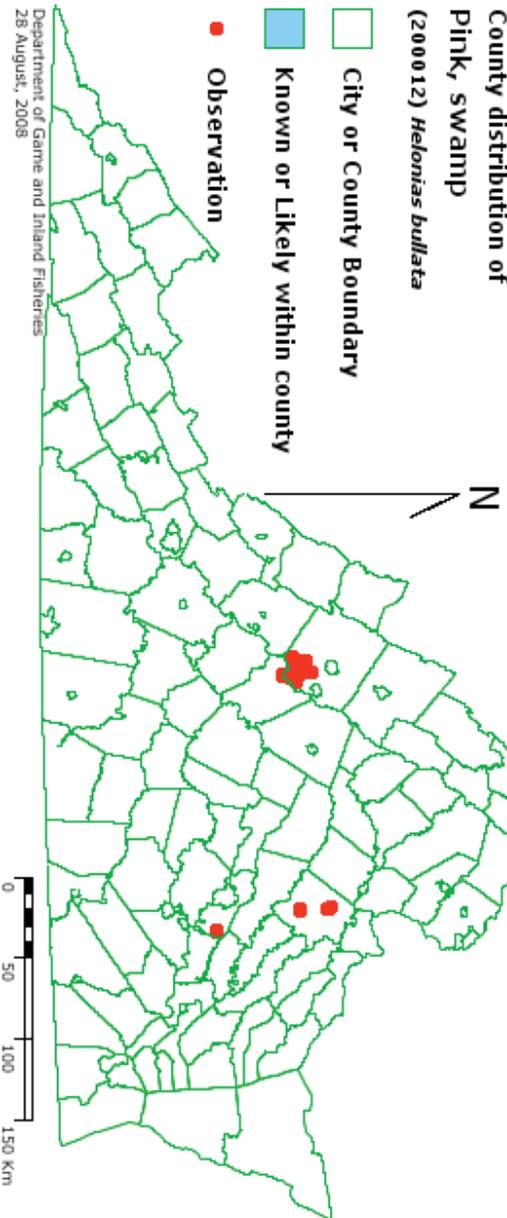
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County occurrence chapter for Pink, swamp (200012)

Commonwealth of Virginia

County distribution of
Pink, swamp
(200012) *Helonias bullata*



County Occurrences No County Occurrence Records Found for 200012.

County Occurrence Comments: Not Available

References for County Occurrence

No References found for County Occurrences.

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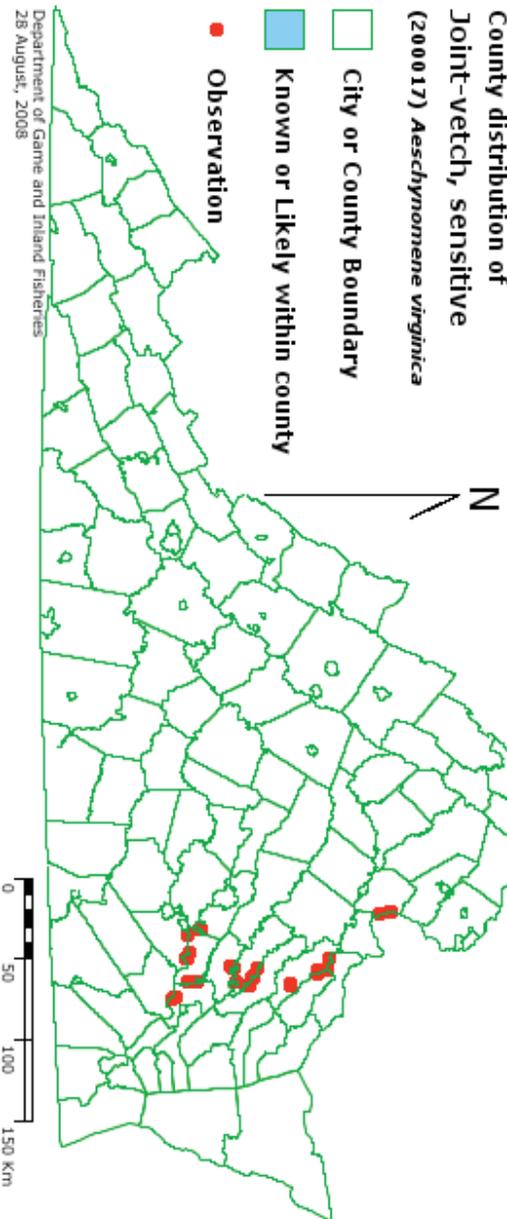
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County occurrence chapter for Joint-vetch, sensitive (200017)

Commonwealth of Virginia

County distribution of
Joint-vetch, sensitive
(200017) *Aeschynomene virginica*



County Occurrences No County Occurrence Records Found for 200017.

County Occurrence Comments: Not Available

References for County Occurrence

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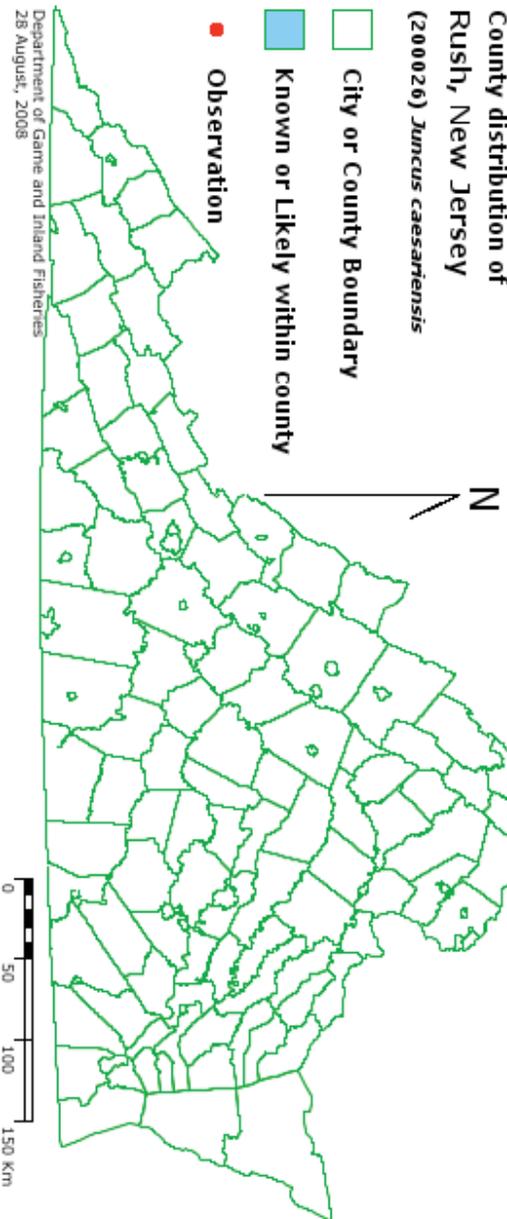
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County occurrence chapter for Rush, New Jersey (200026)

Commonwealth of Virginia

County distribution of
Rush, New Jersey

(200026) *Juncus caesariensis*



County Occurrences No County Occurrence Records Found for 200026.

County Occurrence Comments: Not Available

References for County Occurrence

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