

Preliminary long-term (1966-2006) and ten-year (1996-2006) Breeding Bird Survey (BBS) population trend estimates (% change/year)^a for various webless migratory gamebird species in the U.S.

Species	Region	Period	Trend	P ^b	N ^c
Common snipe	United States	1966-2006	-0.25	0.60	711
		1996-2006	-0.36	0.58	499
Sora	United States	1966-2006	-0.16	0.83	269
		1996-2006	-7.60	<0.01	150
Virginia rail	United States	1966-2006	0.52	0.65	85
		1996-2006	-2.86	0.01	43
Clapper rail	United States	1966-2006	1.20	0.28	48
		1996-2006	1.40	0.43	24
King rail	United States	1966-2006	-7.20	<0.01	39
		1996-2006	-9.48	0.17	18
Purple gallinule	United States	1966-2006	-4.46	0.46	27
		1996-2006	-27.37	<0.01	11
C. moorhen	United States	1966-2006	0.42	0.77	119
		1996-2006	-4.75	<0.01	62
American coot	United States	1966-2006	0.46	0.66	425
		1996-2006	-9.98	<0.01	247

^a Trends obtained from: Sauer, J.R., J.E. Hines, and J. Fallon. 2007. The North American Breeding Bird Survey, Results and Analysis 1966-2006. Version 10.13.2007. USGS Patuxent Wildlife Research Center, Laurel, MD. Do not cite without permission from authors.

^b P-values less than or equal to 0.05 indicate trend is significantly different from zero. P-values greater than 0.05 indicate no trend.

^c Number of BBS routes used in analysis for trend estimates.

State HIP Estimates for Snipe – Preliminary 2007

State	Days afield		Retrieved bag		Active hunters		Season	
	Total	+/- 95% CI	Total	+/- 95% CI	Total	+/- 95% CI	bag/hunter	+/- 95% CI
CT	145	108	38	148	23	96	1.7	176
DE	12	125	0	.	8	118	0.0	.
FL	10,534	54	38,916	61	3,508	61	11.1	87
GA	309	194	247	194	62	194	4.0	275
ME	0	.	0	.	.	.	.	.
MD	0	.	0	.	.	.	.	.
MA	107	152	61	142	53	152	1.1	208
NH	98	98	149	119	16	81	9.5	143
NJ	529	138	361	183	361	128	1.0	223
NY	872	98	208	74	323	128	0.6	148
NC	16,208	122	3,482	196	2,560	114	1.4	227
PA	10,561	189	2,198	182	1,178	170	1.9	249
RI	83	133	7	181	49	169	0.1	248
SC	5,577	105	8,553	96	1,488	104	5.7	141
VT	125	130	405	158	18	98	22.7	186
VA	1,707	135	2,085	117	617	91	3.4	149
WV	702	126	58	136	88	110	0.7	175
Atlantic Flyway	47,566	62	56,768	47				
AL	128	91	472	137	77	76	6.2	156
AR	1,193	196	3,580	196	1,193	196	3.0	277
IL	4,873	142	4,417	155	1,466	129	3.0	201
IN	1,994	136	135	87	723	128	0.2	154
IA	219	49	304	66	84	44	3.6	79
KY	35	190	0	.	17	190	0.0	.
LA	5,027	78	16,824	81	2,223	95	7.6	125
MI	2,538	159	508	160	305	111	1.7	195
MN	5,650	94	1,364	170	1,169	79	1.2	187
MS	0	.	0	.	.	.	.	.
MO	1,149	121	4,504	139	1,050	132	4.3	191
OH	145	137	73	195	145	137	0.5	238
TN	0	.	0	.	.	.	.	.
WI	12,501	85	3,578	127	4,475	76	0.8	148
Miss. Flyway	35,453	43	35,761	52				
CO	230	194	115	194	58	194	2.0	275
KS	0	.	0	.	.	.	.	.
NE	474	107	949	156	271	96	3.5	183
NM	19	174	5	174	5	174	1.0	246
ND	2,641	176	189	52	467	166	0.4	174
OK	3,402	132	6,457	106	518	96	12.5	143
SD	270	150	238	170	234	172	1.0	241
TX	1,154	64	4,040	88	337	49	12.0	100
WY	80	136	166	182	59	172	2.8	250
Central Flyway	8,270	79	12,158	64				
AZ	11	187	56	187	11	187	5.0	264
CA	5,846	72	7,821	74	2,715	71	2.9	102
ID	0	.	0	.	.	.	.	.
MT	3,189	72	4,851	107	1,075	73	4.5	130
NV	682	176	154	122	79	169	1.9	208
OR	1,643	195	183	195	183	195	1.0	276
UT	712	120	771	122	297	86	2.6	149
WA	344	47	284	52	101	37	2.8	64
Pacific Flyway	12,427	48	14,119	55				
AK	506	60	572	86	141	46	4.1	98
U.S. Total	104,222	33	119,377	29				

State HIP Estimates for Coot – Preliminary 2007

State	Days afield		Retrieved bag		Active hunters		Season	
	Total	+/- 95% CI	Total	+/- 95% CI	Total	+/- 95% CI	bag/hunter	+/- 95% ci
CT	304	114	111	143	162	125	0.7	189
DE	331	174	375	137	57	168	6.6	217
FL	3,534	121	3,215	107	725	134	4.4	172
GA	0	.	0	.	.	.	.	.
ME	166	139	232	148	66	136	3.5	201
MD	66	188	26	188	13	188	2.0	266
MA	81	109	160	152	57	142	2.8	208
NH	1,412	194	282	194	47	194	6.0	274
NJ	1,850	178	3,364	137	336	137	10.0	194
NY	6,214	137	1,060	90	517	113	2.0	144
NC	249	196	497	196	249	196	2.0	277
PA	3,454	174	548	119	1,178	170	0.5	208
RI	225	109	141	176	63	136	2.3	223
SC	1,215	154	3,948	148	476	188	8.3	239
VT	36	179	196	179	6	179	33.0	253
VA	2,249	119	2,519	138	488	100	5.2	170
WV	480	176	46	137	63	127	0.7	187
Atlantic Flyway	21,866	57	16,722	54				
AL	332	72	1,136	81	102	65	11.1	104
AR	4,657	139	13,855	145	1,950	142	7.1	203
IL	1,406	190	2,852	188	703	190	4.1	267
IN	500	40	413	46	87	31	4.8	56
IA	3,401	92	9,688	127	1,312	90	7.4	156
KY	17	190	17	190	17	190	1.0	269
LA	28,680	71	71,063	62	7,143	53	9.9	82
MI	812	118	812	133	305	111	2.7	173
MN	2,728	88	5,066	130	974	87	5.2	156
MS	295	135	2,466	185	42	134	58.5	228
MO	1,001	196	3,003	196	500	196	6.0	277
OH	1,600	195	73	195	73	195	1.0	275
TN	308	139	1,477	138	123	136	12.0	193
WI	3,532	121	3,349	88	1,045	135	3.2	161
Miss. Flyway	49,270	46	115,271	44				
CO	1,420	145	1,050	146	427	125	2.5	192
KS	448	162	1,416	134	370	192	3.8	234
NE	768	117	1,242	115	497	147	2.5	187
NM	275	156	1,798	189	237	180	7.6	261
ND	3,229	120	3,731	127	886	123	4.2	177
OK	1,852	87	5,517	112	740	89	7.5	143
SD	700	173	587	138	241	167	2.4	217
TX	5,221	133	8,481	130	5,173	135	1.6	187
WY	4	166	4	166	4	166	1.0	234
Central Flyway	13,915	61	23,824	60				
AZ	33	138	201	158	22	131	9.0	205
CA	5,249	36	18,654	53	1,794	69	10.4	87
ID	1,129	196	2,258	196	1,129	196	2.0	277
MT	3,604	134	5,549	166	924	101	6.0	195
NV	107	124	172	112	11	92	16.0	145
OR	183	195	183	195	183	195	1.0	276
UT	8,863	70	8,258	97	1,471	56	5.6	112
WA	1,736	147	7,234	138	687	127	10.5	187
Pacific Flyway	20,903	42	42,507	45				
AK	0	.	0	.	.	.	.	.
U.S. Total	105,954	27	198,325	29				

State HIP Estimates for Rail – Preliminary 2007

State	Days afield		Retreived bag		Active hunters		Season	
	Total	+/- 95% CI	Total	+/- 95% CI	Total	+/- 95% CI	bag/hunter	+/- 95% ci
CT	5	177	5	177	5	177	1.0	250
DE	4	170	16	170	4	170	4.0	240
FL	136	136	1,261	150	68	136	18.5	203
GA	4,445	196	2,667	196	889	196	3.0	277
ME	0	.	0	.	.	.	.	.
MD	62	188	12	188	12	188	1.0	266
MA	98	152	127	174	47	158	2.7	235
NJ	476	92	3,126	64	152	51	20.5	82
NY	293	121	218	159	207	167	1.1	231
NC	0	.	0	.	.	.	.	.
PA	738	164	1,229	194	123	135	10.0	237
RI	202	148	6	180	48	170	0.1	247
SC	585	167	2,420	127	541	180	4.5	220
VA	1,722	149	4,400	43	347	93	12.7	103
WV	326	165	219	171	32	168	6.9	240
Atlantic Flyway	9,092	102	15,707	47				
AL	0	.	0	.	.	.	.	.
AR	0	.	0	.	.	.	.	.
IL	27	189	55	189	14	189	4.0	267
IN	821	96	463	130	528	94	0.9	161
IA	1,339	121	1,126	107	786	107	1.4	151
KY	47	192	259	192	24	192	11.0	271
LA	75	82	299	89	32	59	9.5	107
MI	102	195	102	195	102	195	1.0	276
MN	7,042	139	0	.	828	138	0.0	.
MS	0	.	0	.	.	.	.	.
MO	47	190	310	190	16	190	20.0	268
OH	72	195	215	195	72	195	3.0	275
TN	0	.	0	.	.	.	.	.
WI	673	148	673	151	526	184	1.3	238
Miss. Flyway	10,244	97	3,500	55				
CO	927	196	1,622	196	232	196	7.0	277
KS	0	.	0	.	.	.	.	.
NE	0	.	0	.	.	.	.	.
NM	0	.	0	.	.	.	.	.
OK	299	96	1,241	177	44	93	28.0	200
TX	2,381	190	2,381	190	2,357	192	1.0	270
WY	0	.	0	.	.	.	.	.
Central Flyway	3,607	135	5,244	113				
U.S. Total	22,943	63	24,450	39				

State HIP Estimates for Gallinule – Preliminary 2007

State	Days afield		Retreived bag		Active hunters		Season	
	Total	+/- 95% CI	Total	+/- 95% CI	Total	+/- 95% CI	bag/hunter	+/- 95% ci
DE	0	.	0	.	.	.	.	.
FL	0	.	0	.	.	.	.	.
GA	0	.	0	.	.	.	.	.
ME	33	193	99	193	33	193	3.0	273
NJ	19	191	0	.	19	191	0.0	.
NY	2,759	165	52	93	383	127	0.1	158
NC	0	.	0	.	.	.	.	.
PA	0	.	0	.	.	.	.	.
RI	0	.	0	.	.	.	.	.
SC	0	.	0	.	.	.	.	.
VA	1,323	193	11	125	174	183	0.1	222
WV	276	192	0	.	28	192	0.0	.
Atlantic Flyway	4,410	119	163	122				
AL	21	186	63	186	11	186	6.0	264
AR	0	.	0	.	.	.	.	.
IN	14	167	0	.	4	167	0.0	.
KY	0	.	0	.	.	.	.	.
LA	98	78	252	67	39	53	6.4	85
MI	203	195	0	.	102	195	0.0	.
MN	0	.	0	.	.	.	.	.
MS	0	.	0	.	.	.	.	.
OH	0	.	0	.	.	.	.	.
TN	0	.	0	.	.	.	.	.
WI	82	190	0	.	16	190	0.0	.
Miss. Flyway	419	104	315	65				
NM	0	.	0	.	.	.	.	.
OK	89	187	44	187	11	187	4.0	264
TX	0	.	0	.	.	.	.	.
Central Flyway	89	187	44	187				
AZ	0	.	0	.	.	.	.	.
CA	1,581	97	4,020	116	1,198	96	3.4	151
ID	.	.	.	.	.	.	.	.
MT	0	.	0	.	.	.	.	.
NV	0	.	0	.	.	.	.	.
Pacific Flyway	1,581	97	4,020	116				
U.S. Total	6,497	84	4,542	103				