

Species	Safe Dates	Evidence Code			
		OB	PO	PR	CO
Grebe, Pied-billed	5/20 to 6/30				
Cormorant, Dbl.-crested	6/1 to 7/15				
Bittern, American	5/15 to 7/10				
Least	5/25 to 6/30				
Heron, Great Blue	5/1 to 6/30				
Egret, Great	5/15 to 6/30				
Snowy	5/15 to 6/30				
Heron, Little Blue	5/25 to 6/30				
Tricolored	5/15 to 6/30				
Egret, Cattle	5/25 to 6/30				
Heron, Green*	5/20 to 6/30				
Night-Heron, Blk.-crowned	5/15 to 6/30				
Yellow-crowned	4/20 to 7/15				
Ibis, Glossy	5/15 to 6/30				
Vulture, Black*	5/1 to 7/15				
Turkey	5/20 to 7/15				
Goose, Canada	4/15 to 6/30				
Swan, Mute	4/1 to 6/30				
Duck, Wood	4/1 to 6/30				
Gadwall	5/20 to 6/30				
Duck, American Black	5/20 to 6/30				
Mallard	5/1 to 6/30				
Teal, Blue-winged*	6/1 to 6/30				
Shoveler, Northern	6/1 to 6/30				
Teal, Green-winged	6/1 to 6/30				
Merganser, Hooded	5/1 to 6/15				
Common	5/10 to 7/15				
Duck, Ruddy	6/10 to 6/30				
Osprey	5/15 to 7/31				
Eagle, Bald	4/15 to 5/15				
Harrier, Northern*	5/10 to 7/25				
Hawk, Sharp-shinned	5/25 to 7/31				
Cooper's	5/15 to 7/31				
Red-shouldered	4/20 to 7/31				
Broad-winged	6/1 to 7/31				
Red-tailed	5/15 to 7/31				
Kestrel, American	5/20 to 6/30				
Falcon, Peregrine	6/1 to 6/30				
Pheasant, Ring-necked	4/1 to 8/30				
Turkey, Wild	3/15 to 8/15				
Bobwhite, Northern*	4/1 to 9/30				
Rail, Black	5/1 to 7/31				
Clapper	4/15 to 7/31				
King*	5/1 to 7/15				
Virginia	5/15 to 7/15				
Sora*	6/1 to 7/10				
Moorhen, Common	5/20 to 7/31				
Coot, American*	5/20 to 7/31				
Plover, Piping	4/15 to 6/30				
Killdeer	4/15 to 6/20				
Oystercatcher, American	5/1 to 6/30				
Stilt, Black-necked*	5/1 to 6/30				
Willet	5/20 to 6/25				
Sandpiper, Spotted	6/10 to 6/25				
Upland	5/10 to 6/25				
Woodcock, American	3/20 to 6/10				
Gull, Laughing	5/1 to 6/30				
Herring	4/1 to 6/30				
Great Black-backed	4/1 to 6/30				
Tern, Gull-billed	5/15 to 7/15				

Species of Special Interest

Bold = A-list species; Record EXACT location and complete a Rare Species Reporting form.

* = B-list species; Complete a Rare Species Reporting Form. Please complete a Habitat Reporting Form if possible.

Species	Safe Dates	Evidence Code			
		OB	PO	PR	CO
Tern, Common	6/1 to 7/1				
Forster's	5/15 to 7/1				
Least	5/20 to 7/1				
Skimmer, Black	6/1 to 7/10				
Pigeon, Rock	1/1 to 12/31				
Dove, Eurasian Collared-	3/1 to 7/31				
Mourning	4/1 to 7/1				
Cuckoo, Black-billed*	6/1 to 7/31				
Yellow-billed	6/1 to 8/15				
Owl, Barn	4/1 to 8/1				
Eastern Screech-	12/1 to 6/30				
Great Horned	12/1 to 6/30				
Barred	1/1 to 6/30				
Long-eared	5/1 to 8/15				
Short-eared	4/25 to 8/31				
Nighthawk, Common	5/20 to 7/15				
Chuck-will's-widow	5/1 to 7/15				
Whip-poor-will	5/10 to 7/15				
Swift, Chimney	5/20 to 7/15				
Hummingbird, Rby.-throatd.	5/25 to 7/5				
Kingfisher, Belted	5/1 to 7/1				
Woodpecker, Red-headed	5/15 to 8/15				
Red-bellied	3/1 to 7/1				
Downy	3/1 to 7/1				
Hairy	3/1 to 7/1				
Flicker, Northern	4/20 to 7/20				
Woodpecker, Pileated	3/1 to 7/15				
Pewee, Eastern Wood-	5/25 to 7/31				
Flycatcher, Acadian	5/15 to 7/25				
Willow*	6/5 to 7/20				
Least	6/1 to 7/15				
Phoebe, Eastern	4/20 to 7/1				
Flycatcher, Grt. Crested	5/25 to 7/31				
Kingbird, Eastern	5/25 to 7/5				
Shrike, Loggerhead	3/15 to 6/30				
Vireo, White-eyed	5/15 to 7/31				
Yellow-throated*	5/15 to 7/15				
Warbling*	5/25 to 7/25				
Red-eyed	6/1 to 7/15				
Jay, Blue	5/15 to 7/15				
Crow, American	4/1 to 7/1				
Fish	4/25 to 7/15				
Lark, Horned	3/25 to 7/1				
Martin, Purple	5/10 to 7/5				
Swallow, Tree	6/1 to 6/25				
N. Rough-winged	5/10 to 7/5				
Bank*	6/1 to 6/20				
Cliff*	5/25 to 7/1				
Barn	5/25 to 7/10				
Chickadee, Carolina	3/1 to 7/1				
Titmouse, Tufted	3/1 to 7/1				
Nuthatch, Red-breasted	5/15 to 7/31				
White-breasted*	3/15 to 7/1				
Brown-headed*	4/1 to 7/31				
Creepers, Brown	5/5 to 7/31				
Wren, Carolina	4/1 to 7/31				
House	5/15 to 7/10				
Sedge*	5/20 to 8/15				
Marsh	5/10 to 7/15				
Kinglet, Golden-crowned	5/1 to 8/1				

Species of Special Interest

Bold = A-list species; Record EXACT location and complete a Rare Species Reporting form.

* = B-list species; Complete a Rare Species Reporting Form. Please complete a Habitat Reporting Form if possible.

Species	Safe Dates	Evidence Code			
		OB	PO	PR	CO
Gnatcatcher, Blue-gray	5/7 to 7/1				
Bluebird, Eastern	4/10 to 7/30				
Veery	6/1 to 7/31				
Thrush, Wood	5/20 to 7/31				
Robin, American	4/15 to 7/15				
Catbird, Gray	5/20 to 7/15				
Mockingbird, Northern	4/1 to 8/15				
Thrasher, Brown	5/10 to 7/15				
Starling, European	4/15 to 6/10				
Waxwing, Cedar	6/10 to 7/31				
Warbler, Blue-winged*	5/20 to 7/5				
Parula, Northern*	5/25 to 7/25				
Warbler, Yellow	5/25 to 7/1				
Chestnut-sided	6/5 to 7/15				
Yellow-throated*	5/1 to 7/15				
Pine	5/1 to 7/15				
Prairie	5/15 to 7/20				
Cerulean	5/15 to 7/31				
Black-and-white*	5/25 to 7/1				
Redstart, American	6/5 to 7/15				
Warbler, Prothonotary	5/10 to 7/20				
Worm-eating*	5/15 to 7/20				
Swainson's	4/25 to 7/31				
Ovenbird	5/20 to 7/15				
Waterthrush, Louisiana*	5/1 to 7/15				
Warbler, Kentucky*	5/15 to 7/25				
Yellowthroat, Common	5/20 to 7/15				
Warbler, Hooded	5/15 to 7/25				
Chat, Yellow-breasted*	5/20 to 7/5				
Tanager, Summer*	5/20 to 7/15				
Scarlet	5/25 to 7/25				
Towhee, Eastern	5/7 to 7/15				
Sparrow, Chipping	5/7 to 7/15				
Field	4/20 to 7/15				
Vesper*	4/20 to 7/15				
Savannah	5/25 to 7/15				
Grasshopper*	5/20 to 7/31				
Henslow's	all reports				
Saltmarsh Sharp-tailed*	5/25 to 7/15				
Seaside	5/15 to 7/15				
Song	4/15 to 7/15				
Swamp*	5/15 to 7/15				
Cardinal, Northern	4/1 to 8/15				
Grosbeak, Rose-breasted	6/1 to 7/15				
Blue	5/15 to 7/15				
Bunting, Indigo	5/20 to 7/15				
Dickcissel*	5/15 to 7/30				
Bobolink	6/15 to 7/10				
Blackbird, Red-winged	4/20 to 6/30				
Meadowlark, Eastern*	4/20 to 7/15				
Grackle, Common	4/15 to 6/30				
Boat-tailed	4/15 to 7/15				
Cowbird, Brown-headed	4/20 to 6/30				
Oriole, Orchard	5/15 to 6/30				
Baltimore	5/25 to 7/10				
Finch, House	4/15 to 7/30				
Siskin, Pine	5/20 to 7/15				
Goldfinch, American	6/1 to 8/30				
Sparrow, House	3/1 to 9/30				

Species of Special Interest

Bold = A-list species; Record EXACT location and complete a Rare Species Reporting form.

* = B-list species; Complete a Rare Species Reporting Form. Please complete a Habitat Reporting Form if possible.

Species	Safe Dates	Evidence Code			
		OB	PO	PR	CO
Additional Breeding Sp.					

Species of Special Interest

If you detect any of the species below, complete a Rare Species Reporting form.

In the event that you encounter an A-list species, PLEASE enter your data into the database OR contact your coordinator within 24 hrs.

A-List	B-List
Pied-Billed Grebe	Green Heron
American Bittern*	Black Vulture
Least Bittern	Blue-winged Teal
Tricolored Heron	Northern Harrier*
Black-crowned Night-heron*	Northern Bobwhite
Yellow-crowned Night-heron*	King Rail
Hooded Merganser	Sora
Sharp-shinned Hawk	American Coot
Cooper's Hawk*	Black-necked Stilt
Broad-winged Hawk	Black-billed Cuckoo
American Kestrel*	Willow Flycatcher
Ruffed Grouse	Yellow-throated Vireo
Black Rail	Warbling Vireo
Spotted Sandpiper	Bank Swallow
Upland Sandpiper	Cliff Swallow
Long-eared Owl	Brown-headed Nuthatch
Short-eared Owl	White-breasted Nuthatch†
Common Nighthawk*	Sedge Wren
Chuck-will's-widow*	Blue-winged Warbler†
Red-headed Woodpecker	Northern Parula†
Least Flycatcher	Yellow-throated Warbler
Brown Creeper	Black-and-white Warbler
Loggerhead Shrike	Worm-eating Warbler††
Chestnut-sided Warbler	Louisiana Waterthrush
Black-throated Green Warbler	Kentucky Warbler
Cerulean Warbler	Yellow-breasted Chat
American Redstart	Summer Tanager
Swainson's Warbler	Vesper Sparrow
Hooded Warbler	Grasshopper Sparrow
Savannah Sparrow	Saltmarsh Sharp-tailed Sparrow
Henslow's Sparrow	Swamp Sparrow**
Rose-breasted Grosbeak	Dickcissel
Bobolink	Eastern Meadowlark

* Indicates NEST ONLY
† Indicates COASTAL PLAIN ONLY

** Indicates EXCLUDING COASTAL ZONE
†† Indicates PIEDMONT ONLY

Please return daily field cards to a Coordinator at your earliest convenience.

ALL field cards must be returned by September 30.

Cards can be mailed to:
DE Breeding Bird Atlas Project
4876 Hay Point Landing Road
Smyrna, DE 19977

CODES for Observed and Breeding Birds in Delaware

Observed:

E = Individual of any species that might breed in DE, but **observed outside of safe dates** and not exhibiting breeding behavior.

O = Individual of a species that may breed in Delaware observed **during safe dates**, but no evidence of breeding or not in suitable nesting habitat.

Possible:

X = Individual of a species detected in suitable breeding habitat **during its safe dates**, but not exhibiting any of the behaviors below.

Probable:

P = Pair (male and female) observed in suitable habitat during the species' **safe dates**.

S = Permanent territory presumed through song at same location on at least two occasions, 7 days or more apart.

T = Permanent territory presumed through defense of territory (chasing of individuals of the same species; 2 or more males counter-singing).

C = Courtship behavior or copulation observed, except with certain species unknown to breed and some raptors (**See handbook about raptors**).

N = Species observed visiting probable nest site, such as repeated flights into and out of a particular area where the bird may potentially nest. **Should be used with caution and after repeated visits in cases where no other breeding evidence is available.**

A = Agitated behavior or anxiety calls from adult birds. **Does not include behavior instigated through phishing or tape recorded calls.**

B = Nest building by wrens or excavation of holes by woodpeckers.

U = Used nests or eggshells found. **Careful identification and supporting evidence required.**

Confirmed:

CN = Carrying nesting material (e.g., sticks, grass) or repeatedly carrying food to a location (**raptors**).

NB = Nest building at actual nest site.

PE = Physiological evidence of breeding based on a bird in hand.

DD = Distraction display or feigning injury.

FL* = Precocial or recently fledged young restricted to nesting area through limited mobility.

ON = Occupied nest, including adults entering or leaving a nest site (cavity nest or nest to high to observe) and sitting birds that might be brooding young or incubating, or courting Northern Harrier, Sharp-shinned Hawk, or Cooper's Hawk.

AY* = Attending young. Adults carrying food, feeding young, and/or removing fecal sacs from nesting site (**See handbook about raptors**).

NE* = Nest with eggs.

NY* = Nest with young seen or heard.

* Presence of cowbird egg(s) or young is confirmation of both cowbird and host species.

DELAWARE BREEDING BIRD ATLAS 2008 – 2012 DAILY FIELD CARD

DATABASE REF. NUMBER _____

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Email: _____

Quadrangle Name: _____

Block Position: _____ Block Code: _____

Date: _____ / _____ / _____
Day Month Year

Survey Start: _____ Survey End: _____
(Please use 24 hr. clock)

Additional Observers:

1. _____

2. _____

3. _____

4. _____

Mileage: _____
By Car By Foot Other

Weather Conditions

Wind (mph): 0-4 5-9 10-14 15+
(circle one)

Precipitation: none fog light moderate heavy
(circle one)

Temperature: _____ Estimated: YES NO

For more information, contact
Anthony Gonzon
(302)-735-8651

Anthony.Gonzon@state.de.us
Document No. 40-05-02/08/02