

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  
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(302)-653-2880  
Anthony.Gonzon@state.de.us