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Land Condition Trend Analysis Avian Database: Ecological Guild-based Summaries

by
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| | |
|-------------------------------|----------------------------|
| Common Name | Barred Owl |
| <i>Scientific Name</i> | <i>Strix varia</i> |
| LCTA Code | STVA |
| Alpha Code | BAOW |
| AOU# | 3680 |
| Neotropical Migrant Status | Resident |
| General Habitat | Forest, Swamp/Marsh |
| Nest Type | Cavity |
| Nest Location | Snag, Woody Upper Canopy |
| Food Type | Small Mammals, Birds |
| Foraging Technique | Low Patrol, Hover & Pounce |



Land Condition Trend Analysis (LCTA) bird database documentation capabilities often are limited to generating installation-wide species checklists, estimates of relative abundance, and evidence of breeding activity. The conservation and characterization of biological diversity is becoming a management objective of both government and private organizations, and as such, more ecologically descriptive summaries are being required.

Ecological guild analyses have been proposed as a means to link wildlife to a specific biodiversity component, and thus represent an option to military trainers in evaluating impacts to wildlife communities.

This report documents an LCTA database update that provides selected ecological attributes (particularly for the nesting season) for 676 bird species occurring within the continental United States. This database upgrade provides land managers the capability to: (1) generate ecological guild-based summaries with no additional fieldwork, (2) identify specific groups of birds most likely to be impacted by a spatially discrete training impact, (3) customize the local database by adjusting individual attributes for species specific to the installation, and (4) conveniently cross reference or simply convert all LCTA species codes to more globally recognized American Ornithological Union "AOU numbers" or the Bird Banding Laboratories "Alpha codes."

Foreword

This study was conducted for the Office of the Directorate of Environmental Programs (ODEP), Assistant Chief of Staff for Installation Management (ACSIM) under Project 4A162720A896, "Environmental Quality Technology"; Work Unit EN-UD5, "LCTA Applications for Integrated Natural Resources Management and Environmental Compliance." The technical monitor was Dr. Victor E. Diersing, DAIM-ED-N.

The work was performed by the Natural Resources and Management Division (LL-N) of the Land Management Laboratory (LL), U.S. Army Construction Engineering Research Laboratories (USACERL). Mr. Schreiber was employed as a Research Assistant under an interagency agreement with the U.S. Forest Service, Rocky Mountain Range and Forest Experiment Station, and Colorado State University. Special thanks are given to Alan Anderson, USACERL researcher, for developing the bird macro used in conjunction with this report. The authors thank and give credit to Samuel Orr, Fort Sill, Oklahoma, for the Barred Owl cover photo. The USACERL Principal Investigator was [Dr. David L. Price](#). [Dr. John T. Bandy](#) is Acting Laboratory Operations Chief, CECER-LL. The USACERL technical editor was [Gloria J. Wienke](#), Technical Information Team.

COL James A. Walter is the Commander of USACERL, and Dr. Michael J. O'Connor is Director.

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1 Introduction

Background

The U.S. Army is responsible for managing 5 million hectares (12.4 million acres) of land on approximately 120 military installations throughout the United States (Tazik and Pierce 1994). As part of an integrated land management approach and under the sponsorship of the U.S. Army Engineering and Housing Support Center (USAEHSC), the U.S. Army Land Condition Trend Analysis (LCTA) program was developed at the U.S. Army Construction Engineering Research Laboratories (USACERL). The foundation of the LCTA program is the use of standardized methods to collect, analyze, and report natural resources data and is the Army's standard for land inventory and monitoring (Technical Note [TN] 420-74-3 1990). Approximately 50 major military training and testing installations in the United States and Germany have initiated or completed implementation of the LCTA program (Tazik et al. 1992).

In addition to providing sufficient training opportunities, land managers must consider a variety of multiple use demands and endangered species issues on a daily basis. For example, the conservation of biological diversity increasingly is a management goal for many state and federal agencies, including the Army, as outlined in section 11-1(c) of Army Regulation (AR) 200-3 (1995). Unfortunately, the funds to support research efforts under conservation of biological diversity an extremely broad subject area, will likely be difficult to obtain in the future, and installation staff must continue to do more with less. An economic alternative to obtaining new data is to maximize analyses done on existing data from past and current efforts.

Avian guild theory has been reported as a relatively simple option for evaluating impacts of a variety of military land use actions on an installation's avian community (Severinghaus 1981), and can be readily incorporated into a relational database such LCTA. Root (1967) was among the first to discuss the guild concept, defining guilds as "a group of species that exploit the same class of environmental resources in a similar way." A less restrictive definition is provided by Landres (1983), who defines a guild simply as "...a group of species that use a similar resource." An important premise in the guild concept is that wildlife species are associated with structures and/or spatial layers or zones

within habitats. Moreover, as more layers occur in a community, potentially more niches are included, and more wildlife species likely to occur (Short 1983). Assuming guild members are correctly identified, actions that affect environmental resources will similarly affect the members of the guilds using the resources.

Numerous avian guilds have been recognized or proposed; include groupings based on nesting substrate/location, feeding strategy, migratory tendency, and general nesting and feeding associations (Short 1983; Terres 1987; Peterjohn and Sauer 1993; Droege and Sauer 1989). Admittedly, the definition and application of guild theory is a point of debate among researchers, but the strong appeal of guild-based summaries is the ability to present plot data from a functional perspective rather than rely solely on species richness (plot, habitat, or installation-wide), similarity indices, and other traditional (numerical) measures of diversity. Moreover, associating species with specific environmental attributes or resources can aid in the risk assessment process. For instance, once the resource(s) to be affected by training activities is known, avian guilds (species) likely to be affected can be readily identified. Avian guilds are easily defined from LCTA survey data and can provide an understanding of how species assemblages change over time relative to a resource. Grouping of species has the added benefit of reducing bias associated with individual species detection rates while effectively increasing sample size and the power (beta) of statistical tests.

Objectives

The primary objectives of this report are to:

1. Expand the utility of LCTA data by providing published ecological attributes for all bird species that occur in, or those that migrate through, the United States,
2. Describe common guild associations and provide documentation enabling installation natural resources personnel to adjust their LCTA database to reflect bird species characteristic of their installation and region, and
3. Allow the simple conversion of LCTA codes to the more universally recognized Bird Banding Laboratory Alpha codes and American Ornithologists' Union (AOU) numbers, and vice versa.

Approach

Information for this database was derived from a variety of sources that included bird field guides (Peterson 1980, 1990), encyclopedias (Terres 1987), and field handbooks (American Ornithologists' Union 1983; Ehrlich, Dobkin, and Wheye 1988). Data quality checks were initiated after species-attribute information had been incorporated to ensure agreement among the various sources. A limited number of new species codes were developed by USACERL to represent species not recognized either by USACERL (Kowalski and Whitworth 1991), the Bird Banding Laboratory (Canadian Fish and Wildlife Service and the U.S. Fish and Wildlife Service 1991), or the American Ornithologists' Union (1983).

Scope

This report describes an LCTA database update that provides selected ecological attributes of 676 bird species occurring within the continental United States. Ecological attributes for each species includes: neotropical status, nest location, nest type, food type, foraging substrate, foraging technique, and general habitat type.

Mode of Technology Transfer

This report is intended to assist natural resources personnel in customizing and updating their LCTA bird database, thus permitting a greater range of potential analyses and facilitating the interpretation of their LCTA bird data. The database update may also be incorporated into future versions of the automated LCTA frontend program and linked to additional databases. This report represents one in a series of user-friendly reports documenting the utility, limitations, and potential applications of LCTA data (Price et al. 1995; Anderson et al. 1995; Rice, Demarais, and Hansen 1997; Anderson, Guertin, and Price 1996; Whitworth and Hill 1997).

An electronic database containing all guild information and the macro can be obtained from USACERL. For further information about the program, contact the authors at 1-800-USA-CERL, or write to USACERL, Attn: LL-N, P.O. Box

9005, Champaign, IL 61826-9005. Use of the macro requires Microsoft Excel 97* or newer version.

* Citing manufacturer and software names is not intended to imply endorsement by the Department of Defense or the U.S. Army.

2 Using the Macro

After installing the file, open Microsoft® Excel and select <bird_db.xls>. Refer to the appropriate Microsoft® Office 97 documentation for further details on enabling and using macros. See the Appendix for standard guild information.

Upon initializing the macro, a dialog box prompts you to <Overwrite existing output data?>. By answering <Yes>, any current data within the Output sheet will be lost. By answering <No>, additions and corrections will simply be appended to existing output data.

The second dialog box prompts you to <Enter code type (LCTA, ALPHA, AOU)>. These codes are based on either the Land Condition Trend Analysis (LCTA) program, the Bird Banding Laboratory (Alpha), or the American Ornithologist's Union (AOU).

The third dialog box prompts you to <Enter bird species code>. As you enter each code and press <RETURN>, data is pulled from the bird database and inserted into the Output sheet. Codes that are entered incorrectly, or those that do not correspond to a species within the database, will be flagged as **Code Not Found**. Do not worry about duplicate or invalid codes at this point; they will be corrected later. Press <RETURN> on an empty field when all applicable codes have been entered.

The fourth dialog box prompts you to <Enter sorting criteria>. Output data can be sorted according to LCTA code, ALPHA code, AOU number, common name, or scientific name. Duplicate codes are also removed at this point. You can delete rows that show **Code Not Found** by simply deleting the rows. You can remove these codes at any time.

The fifth dialog box then prompts you to <Save the data?>. By answering <Yes>, you can save the output to a specified directory or subdirectory. By answering <No>, new output data will not be saved. At this point, if you need to correct or verify certain codes, or add species, simply rerun the macro. The macro will then loop back to the initial dialog box and prompt to <Overwrite existing output data?>. If you are simply editing codes or adding new codes, answer <No>.

Continue rerunning the macro until all species have been included, and all errors identified and corrected.

Now, with the installation-specific guild summaries for each species, verify that all species that occur on the installation have in fact been included in the output file. When all verifications are completed, go back and modify the guild association characteristics for each species. Many species occupy various guilds in different parts of the country, so stated representations for every species may not be appropriate for your installation. Modifying guild characteristics to fit local conditions will make data analysis and interpretation more precise.

3 Survey Methodology

LCTA Bird Survey Overview

To place guild-based avian summaries in the proper context and define the limitations of the data, it is important to at least present a brief overview of field survey methods. For complete information on LCTA methodologies, refer to the U.S. Army Land Condition Trend Analysis (LCTA) Plot Inventory Field Methods Technical Report (Tazik et al. 1992). Bird surveys are conducted during the morning (0 to 4 hrs post sunrise) on a random subsample of all LCTA core plots by using a modified point-count technique. Under typical circumstances, the total number of core plots sampled is 60. Each plot is surveyed at least once. Initial implementation guidance suggested an evening survey be considered as well (Tazik et al. 1992). Table 1 identifies the three segments constituting a valid plot survey. Briefly, an observer(s) slowly walks the 100-m transect in 6 minutes and records all birds seen and heard within 100-m of the plot (Line Out). Upon reaching the end of the transect the observer stops and for 8 minutes records all birds seen and heard within 100-m (End Point). The observer then walks back to the starting point, again recording all birds seen and heard within 100-m of the plot (Line In). The maximum number of birds exhibiting breeding behavior are totaled by species (MAX Pair, Table 2). Mated status for each individual is described in Table 3. Species observed outside the plot boundaries, migrating overhead, and before/after the official survey times are also recorded on the standard LCTA Bird Survey Data Form (Table 2) within the "Others" column.

For each species, common name, LCTA species code, mated status, and total number of individuals are recorded within each segment of the survey (Table 2). Species documented within the "Others" column should only be used in installation checklists and should not be included in statistical analyses since they did not occur within the designated LCTA plot boundary. The "Others" category represents observations of species outside the plot boundaries, such as migratory birds and raptors, and includes those species observed while driving to and from plots.

Upon completing all bird surveys within a given field season, the data is then entered into a standardized electronic database. The format of the database has

recently been revised (Table 4) by researchers at USACERL to allow installation personnel the advantage of being able to sort individual occurrences (e.g., by mated status or measurement point).

Table 1. LCTA measure point code with short description.

| Measure Point Code | Line Segment |
|--------------------|---|
| LO | Line Out |
| EP | End Point |
| LI | Line In |
| C | All ages and genders of species outside the plot boundary were totaled and entered as one observation |

Table 2. Completed LCTA bird survey data form, USMA, West Point, NY.

Installation West Point LCTA Plot Number 9 Observer T. Miller
 Date 5/29/93 Starting time 1902 AM (PM) (circle one)
 Cloud Cover (%) 10 Wind 10-15 Temp (C°) 16

| Common Name | Species Code | Number of birds Observed Inside the Plot Limits | | | Others ^a | Max Pair |
|-----------------|--------------|---|-------------------|-----------------|---------------------|----------|
| | | Line Out (6 min) | End Point (8 min) | Line In (6 min) | | |
| R.W. Blackbird | AGPH | 1 | 1, 1F | | 2 | |
| Ovenbird | SEAU | 1 | | | 1 | |
| E. Kingbird | TYTY | 1 | | | 1 | |
| A. Robin | TUMI | 1 | 1 | | 2 | |
| N. Flicker | COAU | 1U | | | 0 | |
| Song Sparrow | MEME | | 1 Pr | | 1 | |
| R.S. Towhee | PIER | | | 1 | 1 | |
| R.B. Woodpecker | MECA | | | 1 | 1 | |
| N. Oriole | ICGA | | | 1 | 0 | |
| R.B. Grosbeak | PHLU | | 1 | | 1 | |
| | | | | | | |
| | | | | | | |

^a This category includes species observed outside the plot limits, and flyovers of birds not using the plot.

Table 3. LCTA mated status code and description.

| Mated Status Code | Mated Status |
|-------------------|----------------------------|
| * | Singing Male |
| PR | Adult male/female |
| M | Nonsinging male |
| F | Female only |
| U | Unknown sex and age |
| Y | Young of the year |
| FL | Flock |
| C | All statuses were combined |
| NR | Not recorded |

Table 4. Representative spreadsheet within the USACERL LCTA bird database.

| Instalid | Plotid | Reccdate | Vertid | Period | Num | Flyovers | Mated Status | Measure Point |
|----------|--------|----------|--------|--------|-----|----------|--------------|---------------|
| WES | 9 | 5/30/93 | AGPH | AM | 4 | N | * | LO |
| WES | 9 | 5/30/93 | AISP | AM | 1 | N | * | EP |
| WES | 9 | 5/30/93 | BOLE | AM | 1 | N | * | EP |
| WES | 9 | 5/30/93 | BUJA | AM | 1 | N | U | LO |
| WES | 9 | 5/30/93 | COAU | AM | 1 | Y | * | C |
| WES | 9 | 5/30/93 | CYCR | AM | 1 | N | * | LO |
| WES | 9 | 5/30/93 | HYMU | AM | 1 | Y | * | C |
| WES | 9 | 5/30/93 | ICGA | AM | 1 | Y | * | C |
| WES | 9 | 5/30/93 | MECA | AM | 1 | Y | * | C |
| WES | 9 | 5/30/93 | MEGE | AM | 1 | N | * | EP |
| WES | 9 | 5/30/93 | MEME | AM | 1 | N | * | EP |
| WES | 9 | 5/30/93 | MNVA | AM | 1 | N | * | LO |
| WES | 9 | 5/30/93 | PHLU | AM | 1 | N | * | LO |
| WES | 9 | 5/30/93 | TYTY | AM | 2 | N | PR | EP |
| WES | 9 | 5/30/93 | VIFL | AM | 1 | N | * | LO |
| WES | 9 | 5/30/93 | VIOL | AM | 1 | N | * | LO |
| WES | 9 | 5/29/93 | AGPH | PM | 1 | N | * | LO |
| WES | 9 | 5/29/93 | AGPH | PM | 1 | N | * | EP |
| WES | 9 | 5/29/93 | AGPH | PM | 1 | N | F | EP |
| WES | 9 | 5/29/93 | COAU | PM | 1 | N | U | LO |
| WES | 9 | 5/29/93 | ICGA | PM | 1 | Y | * | C |
| WES | 9 | 5/29/93 | MECA | PM | 1 | N | * | LI |
| WES | 9 | 5/29/93 | MEME | PM | 2 | N | PR | EP |
| WES | 9 | 5/29/93 | PHLU | PM | 1 | N | * | EP |
| WES | 9 | 5/29/93 | PIER | PM | 1 | N | * | LI |
| WES | 9 | 5/29/93 | SEAU | PM | 1 | N | * | LO |
| WES | 9 | 5/29/93 | TUMI | PM | 1 | N | * | EP |
| WES | 9 | 5/29/93 | TUMI | PM | 1 | N | * | LO |
| WES | 9 | 5/29/93 | TYTY | PM | 1 | N | * | LO |

4 Database Characteristics

Vernacular and Scientific Names

Vernacular and scientific names were taken from the 1987 *Checklist of Vertebrates of the United States, the U.S. Territories, and Canada* (hereafter called *Checklist of Vertebrates*, Banks, McDiarmid, and Gardner 1987). The 1987 checklist includes a national list of standard vertebrate species names that is accurate and up-to-date, as of 1985. However, with the checklist being more than 10 years old, many scientific names may have changed. Also, depending on taxonomic characteristics, certain individuals and organizations lump species while splitting others. For example, the Northern Flicker is often recognized as one unique species by some researchers while others split it into two unique species: the Yellow-shafted Flicker and the Red-shafted Flicker. Refer to Table 5 for additional species that are frequently lumped or split.

Common names are entered in two different formats within the electronic database. The first series of common names is arranged with the last name followed by the first name (e.g., Blackbird, Red-winged). The second series of common names is arranged with the first name followed by the last name (e.g., Red-winged blackbird). Both formats were included within the electronic database so that individuals can opt for either one without having to retype each common name.

Avian Codes

Three sets of organizational avian codes are included in the database to facilitate communication between various organizations and enable comparisons between data sets.

Table 5. Species that are typically lumped or split.

| | |
|-----------------------|--|
| Northern Flicker | Yellow-shafted Flicker Red-shafted Flicker |
| Snow Goose | Blue Goose Snow Goose |
| Brant | Atlantic Brant Black Brant |
| Tricolored Blackbird | Tawny-shouldered Blackbird Yellow-shouldered Blackbird |
| Scott's Oriole | Black-vented Oriole Black-cowled Oriole |
| Northern Oriole | Baltimore Oriole Bullock's Oriole |
| Rosy Finch | Gray-crowned Rosy Finch Black Rosy Finch Black-capped Rosy Finch |
| Dark-eyed Junco | Slate-colored Junco Oregon Junco Gray-headed Junco White-winged Junco |
| Yellow-rumped Warbler | Myrtle Warbler Audubon's Warbler |
| Palm Warbler | Western Palm Warbler Yellow Palm Warbler |
| Tufted Titmouse | Eastern Titmouse Black-crested Titmouse |
| Bushtit | Common Bushtit Black-eared Bushtit |

LCTA Codes

LCTA wildlife codes were established in 1991 by USACERL researchers (Kowalski and Whitworth 1991) and based on scientific names from the *Checklist of Vertebrates* (Banks, McDiarmid, and Gardner 1987). Each code consists of the first two letters of the genus and the first two letters of the specific epithet. To eliminate duplication, numerical values are added to similar four-letter codes (e.g., SICA1 and SICA2). However, a potential problem with using numerical values is that many observers find them difficult to remember and occasionally may enter the wrong one. Unfortunately, a code entered incorrectly may not necessarily show up as an error. Therefore, it is desirable for a qualified field

biologist to input and/or check plot data. For example, if an observer records an eastern wood pewee (COVI1) but fails to write the “1” on the suffix, the result is not an illegitimate code (with an error message) but represents another species, the northern bobwhite (COVI). In some areas both species can occur together, making this error more difficult to detect. This potential problem can be minimized by the use of experienced field personnel. Alternatively, an installation may want to consider using a more intuitive method such as the more widely accepted AOU Codes (American Ornithologists’ Union 1983), converting back to LCTA codes when necessary.

Alpha Codes

Alpha codes, developed by the Bird Banding Laboratory, consist of a four-letter combination composed of the common name (e.g., BAEA [Bald Eagle] and RWBL [Red-winged Blackbird]; Canadian Fish and Wildlife Service and U.S. Fish and Wildlife Service 1991). Potential problems include: (1) field biologists who devise individual or entire sets of alpha codes instead of following accepted guidelines or established codes, (2) species that do not have an alpha code (e.g., game species like quail, pheasant, turkey, etc.), and (3) common names that vary between different localities. Interestingly, 36 species included in the database did not have a designated alpha code. Therefore, to provide some consistency and completeness, USACERL developed codes for the 36 undesignated species, marking each with an asterisk (*).

AOU Codes

AOU codes, established by the American Ornithologists’ Union in the late 1800s, are numerical codes consisting of four numbers (American Ornithologists’ Union 1983). Since the AOU checklist is widely used as an official, or semi-official reference, little change in taxonomic concepts has been implemented, unless widely accepted based on published evidence.

Guild Associations

Information within this section was derived primarily from the 1988 *Birder’s Handbook* (Ehrlich, Dobkin, and Wheye 1988).

Many species can substitute or switch nest location, nest type, diet, foraging substrate, foraging technique, and habitat type; therefore, ecological guild-based attributes for some species may not be appropriate in every locality. Some species are “specialists” and associate with a single guild, whereas other species

are “generalists” and associate with multiple guilds. For example, a species may frequent multiple habitats, consume a variety of foods, construct a nest in a variety of locations, but builds only one type of nest. Depending on the species and geographic area, some guild data will likely have to be modified to fit local conditions. The appendix contains standard guild information.

Neotropical Migrant Status

The neotropical bird classification system listed below (Partners in Flight 1991) has been included in the database to help installation personnel become more familiar with migratory species. The 676 bird species that are currently listed in the database are divided as follows:

Class A - 141 species; Species that breed in North America and spend their nonbreeding period primarily south of the United States.

Class B - 71 species; Species that breed and winter extensively in North America, but some populations winter south of the United States.

Class C - 34 species; Species whose breeding range is primarily south of the U.S./Mexico border and enters the United States along the Rio Grande Valley.

Class D - 5 species; Species whose breeding range is restricted to the Florida Peninsula within the United States, and withdraws from Florida during the nonbreeding season.

Class R - 425 species; Species that breed and winter exclusively in the United States (resident species).

Class A and B neotropical migrant species are probably most vulnerable to habitat alterations since they spend their nonbreeding period south of the United States, and migrate across several environments to reach their breeding grounds. Class C and Class D neotropical migrant species are also important but typically breed south of the United States. Class R (resident species) do not migrate but are still being threatened by alteration and degradation of their habitats beyond the point of use by a particular species within the United States.

Nest Location

Nest locations have been generalized for most species; however, some specialized nest locations have been included for those species that will nest only in certain areas. Thirteen nest locations are described below:

Bank - Includes river banks, areas of soft soil on steep island slopes, etc., where nest burrows are excavated.

Cactus - Includes nests built in cholla and yucca trees.

Cave - Nest built within a cave.

Cliff - Includes nests situated in natural crevices or on ledges of cliffs typically offering a commanding view of a defensible position, and sometimes chosen when no suitable trees are available.

Floating - Includes nests floating on water and usually anchored to live emergent or submerged vegetation.

Ground - Includes nests placed among the roots, or in niches among the roots of fallen trees, among tules and reeds (in marshes), among grasses, on bare rock, or simply scraped in the dirt or sand.

MMS (Man-made Structure) - Includes nests placed among any man-made structure (bridges, barn, etc.).

Reed - Nest built within and attached to reeds.

Shrub - Includes nests placed within any multi-stemmed woody plant that does not have a distinct single trunk extending several feet between the ground and the lowest branching point.

Snag - Includes nests placed in a standing dead tree. Also used for species that use cavities in dead and live trees more/less indiscriminately.

Vine Tangle - Includes nests placed in vines, brambles, brush piles, etc.

Woody Lower Canopy - Includes nests placed in the lower canopy of deciduous or coniferous trees.

Woody Upper Canopy - Includes nests placed in the upper canopy of deciduous or coniferous trees.

Nest Type

Birds of the same species typically construct similar nests; however, the materials available often differ from area to area. Thirteen nest types are characterized below:

Abandoned - Nest is built in an abandoned nest previously built by another species.

Burrow - Eggs placed in a chamber at the end of a tunnel. Tunnels are either excavated by the bird (most kingfishers, puffins, storm petrels) or usurped from small mammals, especially ground squirrels and prairie dogs.

Cavity - Eggs placed in a cavity that has been either excavated (woodpeckers) or in a natural cavity found in a dead or dying tree. Sometimes a cup or other structure is built within.

Crevice - Eggs placed in a crack in the face of a cliff, between boulders, in a man-made structure, etc.

Cup - A sometimes bulky, but always deep depression, with a hemispherical inside and a rim height several times the diameter of the eggs.

None - No nest is constructed. Eggs are typically layed on ground with nothing to protect them.

Oven - Oven-shaped (roofed or arched) nest on the ground.

Parasitic - No nest is constructed. Eggs are deposited in the nest of another species.

Pendant - An elongate saclike nest suspended from a branch.

Platform - A structure in a tree, on a cliff, or providing a dry place above marshy ground or water, usually big enough for the bird to land on, with or without a distinct depression to hold the eggs. Typical of many raptors and wetland birds.

Saucer - A shallow cup with the height of the rim not more than twice the diameter of the eggs. Also a flattened nest of pliable vegetation as in some wetland birds.

Scrape - A simple depression usually with a rim sufficient to prevent eggs from rolling away. Those of many duck species are almost bowl-shaped. Occasionally with lining added.

Sphere - Globe-shaped or ball-shaped. A roughly round structure, fully enclosed except a small opening usually on the side or at one end.

Food Type

Diet is a category that is often difficult to quantify. Species rely on a variety of food types throughout the year and many species have an entirely different winter diet than that of the summer and spring. Therefore, inferences that follow need to be looked at as generalizations and will not represent the diet of a particular species in every geographic area within all seasons. Thirteen food items are listed below:

Aquatic Inverts - May include aquatic insects, crayfish, shrimp, snails, bivalves, etc.

Birds - Includes birds and their eggs.

Carrion - Dead and putrefying flesh.

Fish - Includes fish, their fry, and eggs.

Fruit - Includes fruit and berries.

Greens - May include leafy parts of both aquatic and terrestrial plants, and bulbs.

Insects - May include insects, spiders, mites, land snails, slugs, worms, millipedes, sowbugs, etc.

Nectar - The sugar-containing liquid secretion of the nectary of many flowers.

Nuts - A type of fruit with one seed and a hard woody outer layer (e.g., acorns and bechnuts).

Seeds - Includes grains, sunflower seeds, conifer seeds, etc.

Small Mammals - Any animal of the class Mammalia. Includes shrews, ground squirrels, rabbits, but most often rodents.

Small Verts - Includes reptiles (e.g., lizards, snakes) and amphibians (e.g., salamanders, frogs).

Tree Sap - A watery solution that circulates through a plant's vascular system.

Foraging Substrate

Foraging substrate has been included to aide in making larger scale generalizations with regard to feeding techniques. Five substrates have been identified:

Air - Foraging done in the air. (Includes foraging techniques such as: Aerial Foraging, Aerial Pursuit, Hawker, Hover & Pick, Hover Gleaner, and Piracy.)

Bark - Foraging done primarily on the bark of trees. (Includes: Bark Gleaner.)

Foliage - Foraging done primarily on foliage. (Includes: Foliage Browser and Foliage Gleaner.)

Ground - Foraging done primarily on the ground. (Includes: Digging, Ground Gleaner, High Patrol, Hover & Pounce, Low Patrol, Piracy, Scavenger and Swooper.)

Water - Foraging done primarily on or in the water. (Includes: Ambusher, Dabbler, High Dives, Prober, Skimmer, Surface Dips, and Surface Dives.)

Foraging Technique

Many birds that eat both seeds and insects will take proportionally more insects when available. Therefore, geographic area and availability of food items will have a major effect on items consumed. In addition, both primary and secondary foraging techniques may be used to obtain primary food items. Twenty-two foraging techniques have been identified:

Aerial Foraging - Capturing flying insects while in a prolonged, continuous flight.

Aerial Pursuit - Chasing or catching birds in midair, stooping (dropping on flying birds from above, killing them in midair with a blow from the talons), or snatching them from their perches.

Ambusher - Hunting by standing motionless on a bank or in the water and spearing fish, frogs, etc.

Bark Gleaner - Gleaning from tree trunks and branches. Includes excavating and drilling into bark.

Dabbler - Floating on the surface in shallow water, pivoting headfirst downward while raising hind-quarters above the water to reach submerged plants or animals on or near the substrate.

Digging - Includes scratching at the surface and digging for bulbs, insects, etc.

Foliage Browser - Browsing tender shoots, twigs, and leaves of trees and shrubs for food.

Foliage Gleaner - Gleaning from foliage and occasionally from branches. Take invertebrates and/or fruit from the vegetation, not from the ground surface.

Ground Gleaner - Picking up items from the surface of soil, turf, sand, etc.

Hawker - Sallies from perch on short flights to capture flying insects.

High Dives - Dropping from a height into the water, usually to catch fish, but sometimes to take waterfowl and other prey.

High Patrol - Soaring at high altitudes in search of carrion or prey.

Hover & Pick - Hovering above a particular substrate, then snatching or picking up the food item.

Hover & Pounce - Hovering before swooping or dropping down on prey.

Hover Gleaner - Taking nectar, insects, or berries from plants above the ground while hovering.

Low Patrol - Seeking prey in a low searching flight.

Piracy - Taking prey from another bird.

Scavenger - Feeding on carrion, refuse, or material left unconsumed by other organisms.

Skimmer - Flying low over the water and snatching up fish or aquatic invertebrates.

Surface Dips - Taking food from the water's surface or from just below while floating or swimming on the surface.

Surface Dives - Floating and then diving under water using feet and/or wings in search of prey.

Swooper - Snatching prey from the ground in talons after a gliding descent from perch with wings spread.

General Habitat

General habitat is another category that is often quite difficult to define. Many species frequent several habitat types and are not associated with just one. Therefore, general habitat classifications within the database should be viewed with caution. Fifteen habitat types are listed below:

Coastal - An area of land near the shore (Pacific and Atlantic Coast).

Cropland - Includes lands that have been planted with grain or sorghum, disked fields, or anything else pertaining to agricultural practices.

Desert - A terrestrial environment characterized by poor soil, climatic extremes of high and low temperatures, and low rainfall.

Forest - An extensive concentration of trees and related vegetation. Includes sparsely wooded areas, densely wooded areas, and pinon-juniper associations.

Forest Edge - The transitional area where a forest ends and another distinct habitat begins.

Freshwater - Includes areas such as lakes, ponds, rivers, and streams.

Grassland - An area of land on which the natural dominant plant forms are grasses and forbs. Areas with scattered trees and/or snags are included in this community type.

Pelagic - Living or occurring in the open sea for a substantial portion of their lives.

Riparian - An area located along the bank of a natural watercourse (as a river) or sometimes of a lake or tidewater.

Rocky Slope - An area abounding in or consisting primarily of rocks (mountains, cliffs, talus slopes, etc.).

Shoreline - The strip of land where a body of water and the shore meet.

Shrubland - An area of land on which the natural dominant plant forms are shrubs (a low, usually several-stemmed woody plant).

Swamp/Marsh - A wet, spongy land, saturated and sometimes partially or intermittently covered with water. Also includes tracts of soft, wet land, typically characterized with grasses and cattails.

Tundra - A treeless plain that is characteristic of arctic and subarctic regions, and consists of black mucky soil with a permanently frozen subsoil, and supports a dense growth of often conspicuously flowering dwarf herbs.

Urban - Any area habituated with people. Includes cities, towns, suburbs, and possibly farm houses, etc.

5 Summary

Information within this report will provide land managers the capability to: (1) generate ecological guild-based summaries with no additional fieldwork, (2) identify specific groups of birds most likely to be impacted by a spacially discrete training impact, (3) customize their database by adjusting individual attributes for species specific to their installation, and (4) conveniently cross reference, or simply convert, all LCTA species codes to more globally recognized American Ornithological Union “AOU numbers” or the Bird Banding Laboratory “Alpha codes”.

The LCTA bird database provides selected ecological attributes of 676 species occurring within the continental United States. However, LCTA avian codes were based on the 1987 *Checklist of Vertebrates*, which encompasses 1,098 bird species, and covers a wider geographical area. Therefore, depending on installation locality, species range, and occurrence of infrequently observed species, additional species may need to be incorporated into your local database.

Each species within the database has information pertaining to neotropical status, nest location, nest type, diet, foraging substrate, foraging technique, and general habitat. However, since many species occupy various guilds in different parts of the country, stated representations for each species may not accurately portray the most applicable data. Therefore, after all codes have been entered into the avian macro, verified, and an installation-specific database developed, personnel at each installation should go through the guild data for their particular species and make appropriate modifications.

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Appendix: Guild Information

| COMMON NAME | SCIENTIFIC NAME | LCTA CODE | ALPHA CODE | AOU# | NEO STAT | NEST LOCATION |
|--------------------------|--------------------------------------|-----------|------------|------|----------|----------------------------|
| Albatross, Black-footed | <i>Diomedea nigripes</i> | DINI | BFAL | 0810 | R | Ground |
| Albatross, Laysan | <i>Diomedea immutabilis</i> | DIIM | LAAL | 0821 | R | Ground |
| Anhinga | <i>Anhinga anhinga</i> | ANAN | ANHI | 1180 | R | Shrub, Woody Lower Canopy |
| Ani, Groove-billed | <i>Crotophaga sulcirostris</i> | CRSU | GBAN | 3840 | C | Woody Lower Canopy |
| Ani, Smooth-billed | <i>Crotophaga ani</i> | CRAN | SBAN | 3830 | R | Woody Lower Canopy |
| Auklet, Cassin's | <i>Ptychoramphus aleuticus</i> | PTAL | CAAU | 0160 | R | Ground, Cliff |
| Auklet, Crested | <i>Aethia cristatella</i> | AECR | CRAU | 0180 | R | Ground, Cliff |
| Auklet, Least | <i>Aethia pusilla</i> | AEPU | LEAU | 0200 | R | Ground, Cliff |
| Auklet, Parakeet | <i>Cyclorhynchus psittacula</i> | CYPS | PAAU | 0170 | R | Ground, Cliff |
| Auklet, Rhinoceros | <i>Cerorhinca monocerata</i> | CEMO | RHAU | 0150 | R | Ground |
| Auklet, Whiskered | <i>Aethia pygmaea</i> | AEPY | WHAU | 0190 | R | Ground |
| Avocet, American | <i>Recurvirostra americana</i> | REAM | AMAV | 2250 | R | Ground |
| Becard, Rose-throated | <i>Pachyrhamphus aglaiae</i> | PAAG | RTBE | 4411 | C | Woody Upper Canopy |
| Bittern, American | <i>Botaurus lentiginosus</i> | BOLE | AMBI | 1900 | R | Ground |
| Bittern, Least | <i>Ixobrychus exilis</i> | IXEX | LEBI | 1910 | R | Ground, Shrub |
| Blackbird, Brewer's | <i>Euphagus cyanocephalus</i> | EUCY | BRBL | 5100 | B | Woody Upper Canopy, Ground |
| Blackbird, Red-winged | <i>Agelaius phoeniceus</i> | AGPH | RWBL | 4980 | B | Reed, Shrub |
| Blackbird, Rusty | <i>Euphagus carolinus</i> | EUCA1 | RUBL | 5090 | R | Woody Lower Canopy, Shrub |
| Blackbird, Tricolored | <i>Agelaius tricolor</i> | AGTR | TRBL | 5000 | R | Reed, Shrub |
| Blackbird, Yellow-headed | <i>Xanthocephalus xanthocephalus</i> | XAXA | YHBL | 4970 | A | Reed, Shrub |
| Bluebird, Eastern | <i>Sialia sialis</i> | SISI | EABL | 7660 | B | Snag, Woody Upper Canopy |
| Bluebird, Mountain | <i>Sialia currucoides</i> | SICU | MOBL | 7680 | B | Snag, Woody Upper Canopy |
| Bluebird, Western | <i>Sialia mexicana</i> | SIME | WEBL | 7670 | B | Snag, Woody Upper Canopy |
| Bluethroat | <i>Luscinia svecica</i> | LUSV | BLUE | 7640 | R | Ground |
| Bobolink | <i>Dolichonyx oryzivorus</i> | DOOR | BOBO | 4940 | A | Ground |
| Bobwhite, Northern | <i>Colinus virginianus</i> | COVI | NOBO* | 2890 | R | Ground |
| Booby, Blue-footed | <i>Sula nebouxii</i> | SUNE | BFBO | 1141 | R | Ground |
| Booby, Brown | <i>Sula leucogaster</i> | SULE | BRBO | 1150 | R | Ground |
| Booby, Masked | <i>Sula dactylatra</i> | SUDA | MABO | 1140 | R | Ground |
| Booby, Red-footed | <i>Sula sula</i> | SUSU | RFBO | 1160 | R | Woody Upper Canopy, Ground |
| Brant | <i>Branta bernicla</i> | BRBE | BRAN* | 1730 | R | Ground |
| Bufflehead | <i>Bucephala albeola</i> | BUAL | BUFF | 1530 | R | Snag, Bank |
| Bunting, Indigo | <i>Passerina cyanea</i> | PACY | INBU | 5980 | A | Shrub, Woody Lower Canopy |
| Bunting, Lark | <i>Calamospiza melanocorys</i> | CAME | LARB | 6050 | A | Ground |
| Bunting, Lazuli | <i>Passerina amoena</i> | PAAM1 | LASB | 5990 | A | Shrub, Woody Lower Canopy |
| Bunting, McKay's | <i>Plectrophenax hyperboreus</i> | PLHY | MKBU | 5350 | R | Ground, Cliff |
| Bunting, Painted | <i>Passerina ciris</i> | PACI1 | PABU | 6010 | A | Shrub, Woody Lower Canopy |
| Bunting, Snow | <i>Plectrophenax nivalis</i> | PLNI | SNBU | 5340 | R | Ground, Cliff |
| Bunting, Varied | <i>Passerina versicolor</i> | PAVE | VABU | 6000 | C | Shrub, Woody Lower Canopy |
| Bushtit | <i>Psaltirparus minimus</i> | PSMI | BUTI* | 7430 | R | Woody Lower Canopy, Shrub |
| Canvasback | <i>Aythya valisineria</i> | AYVA | CANV | 1470 | R | Reed, Floating |
| Caracara, Crested | <i>Polyborus plancus</i> | POPL | CRCA | 3620 | R | Woody Upper Canopy, Shrub |
| Cardinal, Northern | <i>Cardinalis cardinalis</i> | CACA4 | NOCA | 5930 | R | Shrub, Woody Lower Canopy |
| Catbird, Gray | <i>Dumetella carolinensis</i> | DUCA | GRCA | 7040 | A | Shrub, Woody Lower Canopy |
| Chachalaca, Plain | <i>Ortalis vetula</i> | ORVE | PLCH* | 3110 | R | Woody Lower Canopy |
| Chat, Yellow-breasted | <i>Icteria virens</i> | ICVI | YBCH | 6830 | A | Shrub, Woody Lower Canopy |
| Chickadee, Black-capped | <i>Parus atricapillus</i> | PAAT | BCCH | 7350 | R | Woody Lower Canopy, Snag |
| Chickadee, Boreal | <i>Parus hudsonicus</i> | PAHU | BOCH | 7400 | R | Woody Lower Canopy, Snag |

| LCTA CODE | NEST TYPE | FOOD TYPE | FORAGING SUBSTRATE | FORAGING TECHNIQUE | GENERAL HABITAT |
|------------------|------------------|--------------------------|---------------------------|---------------------------------|-------------------------|
| DINI | Scrape | Fish, Aquatic Inverts | Water | Scavenger, Ground Gleaner | Pelagic |
| DIIM | Scrape | Aquatic Inverts | Water | Ground Gleaner | Pelagic |
| ANAN | Platform | Fish, Aquatic Inverts | Water | Surface Dives | Freshwater, Swamp/Marsh |
| CRSU | Cup | Insects, Small Verts | Ground | Ground Gleaner | Shrubland, Swamp/Marsh |
| CRAN | Cup | Insects, Small Verts | Ground | Ground Gleaner | Shrubland, Grassland |
| PTAL | Burrow, Crevice | Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| AECR | Crevice | Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| AEPY | Crevice | Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| CYPS | Crevice | Aquatic Inverts, Fish | Water | Surface Dives | Coastal, Pelagic |
| CEMO | Burrow | Fish, Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| AEPY | Crevice | Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| REAM | Scrape | Aquatic Inverts, Insects | Water | Prober | Swamp/Marsh, Freshwater |
| PAAG | Sphere | Insects, Fruit | Air | Hover Gleaner, Hawker | Forest, Shrubland |
| BOLE | Platform | Fish, Aquatic Inverts | Water, Ground | Ambusher, Ground Gleaner | Swamp/Marsh |
| IXEX | Platform | Fish, Aquatic Inverts | Water, Ground | Ambusher, Ground Gleaner | Swamp/Marsh |
| EUCY | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland, Riparian |
| AGPH | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Swamp/Marsh, Riparian |
| EUCA1 | Cup | Insects, Seeds | Ground | Ground Gleaner | Swamp/Marsh, Riparian |
| AGTR | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Swamp/Marsh, Cropland |
| XAXA | Cup | Insects, Seeds | Ground, Air | Ground Gleaner, Hawker | Swamp/Marsh |
| SISI | Cavity | Insects, Fruit | Air, Foliage | Hawker, Foliage Gleaner | Forest Edge, Grassland |
| SICU | Cavity | Insects, Fruit | Ground | Swooper, Hover & Pounce | Forest, Grassland |
| SIME | Cavity | Insects, Fruit | Air, Foliage | Hawker, Foliage Gleaner | Riparian, Grassland |
| LUSV | Cup | Insects, Seeds | Ground | Ground Gleaner | Tundra, Rocky Slope |
| DOOR | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Grassland, Swamp/Marsh |
| COVI | Scrape | Greens, Seeds | Ground | Ground Gleaner | Forest Edge, Shrubland |
| SUNE | Scrape | Fish | Water | High Dives | Coastal, Pelagic |
| SULE | Scrape | Fish | Water | High Dives | Coastal, Pelagic |
| SUDA | Scrape | Fish | Water | High Dives | Coastal, Pelagic |
| SUSU | Platform, Scrape | Fish | Water | High Dives, Skimmer | Coastal, Pelagic |
| BRBE | Scrape | Greens, Aquatic Inverts | Water | Surface Dips, Dabbler | Tundra, Shoreline |
| BUAL | Cavity, Burrow | Aquatic Inverts | Water | Surface Dives | Freshwater, Forest |
| PACY | Cup | Insects, Seeds | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Forest Edge, Shrubland |
| CAME | Cup | Insects, Seeds | Ground, Air | Ground Gleaner, Hawker | Grassland, Shrubland |
| PAAM1 | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland, Riparian |
| PLHY | Crevice, Cavity | Insects, Seeds | Ground | Ground Gleaner | Shoreline, Tundra |
| PAC11 | Cup | Seeds, Insects | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland, Riparian |
| PLNI | Crevice, Cavity | Insects, Seeds | Ground | Ground Gleaner | Shoreline, Tundra |
| PAVE | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland |
| PSMI | Pendant | Insects, Seeds | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest, Shrubland |
| AYVA | Cup | Greens, Seeds | Water | Surface Dives, Prober | Swamp/Marsh, Freshwater |
| POPL | Platform | Carrion, Small Verts | Ground | Scavenger, Ground Gleaner | Shrubland |
| CACA4 | Cup | Insects, Seeds | Ground | Ground Gleaner | Shrubland, Urban |
| DUCA | Cup | Insects, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland, Riparian |
| ORVE | Saucer | Fruit, Insects | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Riparian, Forest Edge |
| ICVI | Cup | Insects, Fruit | Foliage | Foliage Gleaner | Shrubland, Riparian |
| PAAT | Cavity | Insects, Seeds | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest, Riparian |
| PAHU | Cavity | Insects, Seeds | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest |

| COMMON NAME | SCIENTIFIC NAME | LCTA CODE | ALPHA CODE | AOU# | NEO STAT | NEST LOCATION |
|-------------------------------|-----------------------------------|-----------|------------|------|----------|----------------------------|
| Chickadee, Carolina | <i>Parus carolinensis</i> | PACA2 | CACH | 7360 | R | Woody Lower Canopy, Snag |
| Chickadee, Chestnut-backed | <i>Parus rufescens</i> | PARU | CBCH | 7410 | R | Snag, Woody Lower Canopy |
| Chickadee, Mexican | <i>Parus sclateri</i> | PASC | MECH | 7370 | R | Snag, Woody Upper Canopy |
| Chickadee, Mountain | <i>Parus gambeli</i> | PAGA | MOCH | 7380 | R | Woody Lower Canopy, Snag |
| Chuck-will's-widow | <i>Caprimulgus carolinensis</i> | CACA3 | CWWI | 4160 | A | Ground |
| Chukar | <i>Alectoris chukar</i> | ALCH | CHUK* | 2882 | R | Ground |
| Condor, California | <i>Gymnogyps californianus</i> | GYCA1 | CALC | 3240 | R | Cliff |
| Coot, American | <i>Fulica americana</i> | FUAM | AMCO | 2210 | R | Floating |
| Cormorant, Brandt's | <i>Phalacrocorax penicillatus</i> | PHPE1 | BRAC | 1220 | R | Cliff, Ground |
| Cormorant, Double-crested | <i>Phalacrocorax auritus</i> | PHAU | DCCO | 1200 | R | Ground, Woody Upper Canopy |
| Cormorant, Great | <i>Phalacrocorax carbo</i> | PHCA | GRCO | 1190 | R | Cliff, Woody Upper Canopy |
| Cormorant, Olivaceous | <i>Phalacrocorax olivaceus</i> | PHOL | OLCO | 1210 | R | Shrub, Woody Lower Canopy |
| Cormorant, Pelagic | <i>Phalacrocorax pelagicus</i> | PHPE | PECO | 1230 | R | Cliff, Ground |
| Cormorant, Red-faced | <i>Phalacrocorax urile</i> | PHUR | RFCO | 1240 | R | Cliff |
| Cowbird, Bronzed | <i>Molothrus aeneus</i> | MOAE | BROC | 4960 | C | Woody Upper Canopy, Shrub |
| Cowbird, Brown-headed | <i>Molothrus ater</i> | MOAT | BHCO | 4950 | B | Woody Upper Canopy, Shrub |
| Crane, Sandhill | <i>Grus canadensis</i> | GRCA1 | SACR | 2060 | R | Ground |
| Crane, Whooping | <i>Grus americana</i> | GRAM | WHCR | 2040 | R | Ground |
| Creeper, Brown | <i>Certhia americana</i> | CEAM | BRCR | 7260 | B | Woody Upper Canopy |
| Crossbill, Red | <i>Loxia curvirostra</i> | LOCU2 | RECR | 5210 | R | Woody Upper Canopy |
| Crossbill, White-winged | <i>Loxia leucoptera</i> | LOLE1 | WWCR | 5220 | R | Woody Upper Canopy |
| Crow, American | <i>Corvus brachyrhynchos</i> | COBR1 | AMCR | 4880 | R | Woody Upper Canopy, Shrub |
| Crow, Fish | <i>Corvus ossifragus</i> | COOS | FICR | 4900 | R | Woody Upper Canopy, Shrub |
| Crow, Northwestern | <i>Corvus caurinus</i> | COCA2 | NOCR | 4890 | R | Woody Upper Canopy, Shrub |
| Cuckoo, Black-billed | <i>Coccyzus erythrophthalmus</i> | COER | BBCU | 3880 | A | Woody Lower Canopy, Shrub |
| Cuckoo, Mangrove | <i>Coccyzus minor</i> | COMI | MACU | 3860 | D | Woody Lower Canopy, Shrub |
| Cuckoo, Yellow-billed | <i>Coccyzus americanus</i> | COAM | YBCU | 3870 | A | Woody Lower Canopy, Shrub |
| Curlew, Bristle-thighed | <i>Numenius tahitiensis</i> | NUTA | BTCU | 2680 | R | Ground |
| Curlew, Eskimo | <i>Numenius borealis</i> | NUBO | ESCU* | 2660 | R | Ground |
| Curlew, Long-billed | <i>Numenius americanus</i> | NUAM | LBCU | 2640 | A | Ground |
| Dickcissel | <i>Spiza americana</i> | SPAM | DICK | 6040 | A | Ground, Shrub |
| Dipper, American | <i>Cinclus mexicanus</i> | CIME | AMDI | 7010 | R | Cliff, MMS |
| Dove, Common Ground | <i>Columbina passerina</i> | COPA | COGD | 3200 | R | Ground, Shrub |
| Dove, Inca | <i>Columbina inca</i> | COIN1 | INDO | 3210 | R | Shrub, Woody Lower Canopy |
| Dove, Mourning | <i>Zenaida macroura</i> | ZEMA | MODO | 3160 | B | Woody Lower Canopy, Ground |
| Dove, Rock | <i>Columba livia</i> | COLI | RODO* | 3131 | R | MMS, Cliff |
| Dove, White-tipped | <i>Leptotila verreauxi</i> | LEVE | WTDO | 3180 | R | Woody Lower Canopy |
| Dove, White-winged | <i>Zenaida asiatica</i> | ZEAS | WWDO | 3190 | C | Woody Lower Canopy |
| Dovekie | <i>Alle alle</i> | ALAL1 | DOVE | 0340 | R | Cliff |
| Dowitcher, Long-billed | <i>Limnodromus scolopaceus</i> | LISC | LBDO | 2320 | R | Ground |
| Dowitcher, Short-billed | <i>Limnodromus griseus</i> | LIGR | SBDO | 2310 | R | Ground |
| Duck, American Black | <i>Anas rubripes</i> | ANRU | ABDU | 1330 | R | Ground |
| Duck, Black-bellied Whistling | <i>Dendrocygna autumnalis</i> | DEAU1 | BBWD | 1770 | R | Snag, Woody Upper Canopy |
| Duck, Fulvous Whistling | <i>Dendrocygna bicolor</i> | DEBI | FUWD | 1780 | R | Ground, Woody Lower Canopy |
| Duck, Harlequin | <i>Histrionicus histrionicus</i> | HIHI1 | HARD | 1550 | R | Ground |
| Duck, Masked | <i>Oxyura dominica</i> | OXDO | MADU | 1680 | R | Ground |
| Duck, Mottled | <i>Anas fulvigula</i> | ANFU | MODU | 1340 | R | Ground |
| Duck, Ring-necked | <i>Aythya collaris</i> | AYCO | RNDU | 1500 | R | Ground, Floating |

| LCTA CODE | NEST TYPE | FOOD TYPE | FORAGING SUBSTRATE | FORAGING TECHNIQUE | GENERAL HABITAT |
|------------------|---------------------|--------------------------|---------------------------|---------------------------------|-------------------------|
| PACA2 | Cavity | Insects, Seeds | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest, Riparian |
| PARU | Cavity | Insects, Seeds | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest |
| PASC | Cavity | Insects, Seeds | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest |
| PAGA | Cavity | Insects, Seeds | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest |
| CACA3 | None | Insects, Birds | Air | Aerial Foraging | Forest |
| ALCH | Scrape | Seeds, Insects | Ground | Ground Gleaner | Grassland, Shrubland |
| GYCA1 | None | Carrion, Fish | Ground | Scavenger, High Patrol | Rocky Slope |
| FUAM | Platform | Greens, Aquatic Inverts | Water, Ground | Surface Dips, Ground Gleaner | Freshwater, Swamp/Marsh |
| PHPE1 | Saucer | Fish | Water | Surface Dives | Coastal, Pelagic |
| PHAU | Platform | Fish, Aquatic Inverts | Water | Surface Dives, Surface Dips | Coastal, Freshwater |
| PHCA | Platform | Fish, Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| PAHU | Cavity | Insects, Seeds | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest |
| PACA3 | Cavity | Insects, Seeds | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest, Riparian |
| PHUR | Platform | Fish, Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| MOAE | Parasitic | Insects, Seeds | Ground | Ground Gleaner | Shrubland, Cropland |
| MOAT | Parasitic | Insects, Seeds | Ground | Ground Gleaner | Forest Edge, Forest |
| GRCA1 | Saucer | Aquatic Inverts, Insects | Water, Ground | Prober, Ground Gleaner | Swamp/Marsh, Freshwater |
| GRAM | Saucer | Aquatic Inverts, Fish | Water, Ground | Prober, Ground Gleaner | Swamp/Marsh, Freshwater |
| CEAM | Cup | Insects, Nuts | Bark, Air | Bark Gleaner, Hawker | Forest |
| LOCU2 | Cup | Seeds, Fruit | Foliage | Foliage Gleaner | Forest |
| LOLE1 | Cup | Seeds | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Forest |
| COBR1 | Cup | Insects, Seeds | Ground | Scavenger, Ground Gleaner | Forest, Riparian |
| COOS | Cup | Aquatic Inverts, Carrion | Ground | Scavenger, Ground Gleaner | Shoreline, Freshwater |
| COCA2 | Cup | Aquatic Inverts, Insects | Ground | Scavenger, Ground Gleaner | Forest, Forest Edge |
| COER | Platform, Parasitic | Insects, Fish | Foliage | Scavenger, Foliage Gleaner | Forest, Forest Edge |
| COMI | Platform | Insects, Fruit | Foliage | Foliage Gleaner | Swamp/Marsh, Shrubland |
| COAM | Platform, Parasitic | Insects | Foliage, Air | Foliage Gleaner, Hover Gleaner | Forest, Riparian |
| NUTA | Scrape | Fruit, Insects | Ground | Ground Gleaner | Tundra |
| NUBO | Scrape | Insects, Fruit | Ground | Ground Gleaner, Prober | Tundra, Shoreline |
| NUAM | Scrape | Insects, Aquatic Inverts | Water, Ground | Prober, Ground Gleaner | Swamp/Marsh, Riparian |
| SPAM | Cup | Insects, Seeds | Ground | Ground Gleaner | Grassland, Cropland |
| CIME | Oven | Aquatic Inverts, Fish | Water | Prober | Freshwater, Riparian |
| COPA | Saucer | Seeds, Fruit | Ground | Ground Gleaner | Forest Edge, Urban |
| COIN1 | Saucer | Seeds | Ground | Ground Gleaner | Forest Edge, Shrubland |
| ZEMA | Saucer | Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest Edge, Cropland |
| COLI | Saucer | Seeds | Ground | Ground Gleaner | Urban |
| LEVE | Saucer | Seeds, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Riparian, Cropland |
| ZEAS | Saucer | Seeds, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Riparian, Shrubland |
| ALAL1 | Crevice | Aquatic Inverts, Fish | Water | Surface Dives | Coastal, Pelagic |
| LISC | Scrape | Aquatic Inverts, Insects | Water | Prober | Tundra, Swamp/Marsh |
| LIGR | Scrape | Aquatic Inverts, Insects | Water | Prober | Tundra, Swamp/Marsh |
| ANRU | Scrape | Aquatic Inverts, Seeds | Water | Dabbler | Swamp/Marsh, Riparian |
| DEAU1 | Cavity | Seeds | Ground | Ground Gleaner | Swamp/Marsh, Riparian |
| DEBI | Saucer | Greens, Seeds | Water, Ground | Surface Dips, Ground Gleaner | Swamp/Marsh |
| HIH11 | Scrape | Aquatic Inverts | Water | Surface Dives, Dabbler | Freshwater, Coastal |
| OXDO | Scrape | Greens, Insects | Water | Surface Dives | Swamp/Marsh, Freshwater |
| ANFU | Scrape | Aquatic Inverts, Insects | Water | Dabbler | Swamp/Marsh |
| AYCO | Scrape | Greens, Aquatic Inverts | Water | Surface Dives | Swamp/Marsh |

| COMMON NAME | SCIENTIFIC NAME | LCTA CODE | ALPHA CODE | AOU# | NEO STAT | NEST LOCATION |
|-----------------------------|----------------------------------|-----------|------------|------|----------|----------------------------|
| Duck, Ruddy | <i>Oxyura jamaicensis</i> | OXJA | RUDU | 1670 | R | Ground |
| Duck, Tufted | <i>Aythya fuligula</i> | AYFU | TUDU | 1491 | R | Ground, Bank |
| Duck, Wood | <i>Aix sponsa</i> | AISP | WODU | 1440 | R | Snag, MMS |
| Dunlin | <i>Calidris alpina</i> | CAAL1 | DUNL | 2430 | R | Ground |
| Eagle, Bald | <i>Haliaeetus leucocephalus</i> | HALE | BAEA | 3520 | R | Woody Upper Canopy, Cliff |
| Eagle, Golden | <i>Aquila chrysaetos</i> | AQCH | GOEA | 3490 | B | Cliff, Woody Upper Canopy |
| Eagle, White-tailed | <i>Haliaeetus albicilla</i> | HAAL | WTEA* | 3510 | R | Woody Upper Canopy, Cliff |
| Egret, Cattle | <i>Bubulcus ibis</i> | BUIB | CAEG | 2001 | R | Woody Lower Canopy, Shrub |
| Egret, Great | <i>Casmerodius albus</i> | CAAL2 | GREG | 1960 | R | Woody Upper Canopy, Shrub |
| Egret, Reddish | <i>Egretta rufescens</i> | EGRU | REEG | 1980 | R | Woody Lower Canopy, Shrub |
| Egret, Snowy | <i>Egretta thula</i> | EGTH | SNEG | 1970 | R | Woody Lower Canopy, Shrub |
| Eider, Common | <i>Somateria mollissima</i> | SOMO | COEI | 1590 | R | Ground |
| Eider, King | <i>Somateria spectabilis</i> | SOSP | KIEI | 1620 | R | Ground |
| Eider, Spectacled | <i>Somateria fischeri</i> | SOFI | SPEI | 1580 | R | Ground |
| Eider, Steller's | <i>Polysticta stelleri</i> | POST | STEI | 1570 | R | Ground |
| Falcon, Aplomado | <i>Falco femoralis</i> | FAFE | APFA | 3590 | R | Woody Lower Canopy, Shrub |
| Falcon, Peregrine | <i>Falco peregrinus</i> | FAPE | PEFA | 3560 | A | Cliff, Woody Upper Canopy |
| Falcon, Prairie | <i>Falco mexicanus</i> | FAME | PRFA | 3550 | B | Cliff, Woody Upper Canopy |
| Fieldfare | <i>Turdus pilaris</i> | TUPI | FIEL | 7612 | R | Ground, Woody Lower Canopy |
| Finch, Cassin's | <i>Carpodacus cassinii</i> | CACA7 | CAFI | 5180 | B | Woody Upper Canopy |
| Finch, House | <i>Carpodacus mexicanus</i> | CAME2 | HOFI | 5190 | R | Woody Upper Canopy, Shrub |
| Finch, Purple | <i>Carpodacus purpureus</i> | CAPU1 | PUFI | 5170 | B | Woody Upper Canopy |
| Finch, Rosy | <i>Leucosticte arctoa</i> | LEAR | ROFI* | 5240 | R | Ground, Cliff |
| Flamingo, Greater | <i>Phoenicopterus ruber</i> | PHRU | GREF | 1820 | R | Ground |
| Flicker, Northern | <i>Colaptes auratus</i> | COAU | NOFL* | 4120 | B | Snag, Woody Lower Canopy |
| Flycatcher, Acadian | <i>Empidonax vireescens</i> | EMVI | ACFL | 4650 | A | Woody Lower Canopy, Shrub |
| Flycatcher, Alder | <i>Empidonax alnorum</i> | EMAL | ALFL | 4661 | A | Shrub, Woody Lower Canopy |
| Flycatcher, Ash-throated | <i>Myiarchus cinerascens</i> | MYCI | ATFL | 4540 | A | Woody Lower Canopy |
| Flycatcher, Brown-crested | <i>Myiarchus tyrannulus</i> | MYTY | BCFL | 4530 | C | Woody Lower Canopy, Shrub |
| Flycatcher, Buff-breasted | <i>Empidonax fulvifrons</i> | EMFU | BBFL | 4700 | C | Woody Upper Canopy |
| Flycatcher, Dusky | <i>Empidonax oberholseri</i> | EMOB | DUFL | 4690 | A | Shrub, Woody Lower Canopy |
| Flycatcher, Dusky-capped | <i>Myiarchus tuberculifer</i> | MYTU | DCFL | 4550 | C | Woody Upper Canopy |
| Flycatcher, Gray | <i>Empidonax wrightii</i> | EMWR | GRFL | 4691 | A | Shrub, Woody Lower Canopy |
| Flycatcher, Great-crested | <i>Myiarchus crinitus</i> | MYCR | GCFL | 4520 | A | Woody Upper Canopy, Snag |
| Flycatcher, Hammond's | <i>Empidonax hammondii</i> | EMHA | HAFL | 4680 | A | Woody Upper Canopy |
| Flycatcher, Least | <i>Empidonax minimus</i> | EMMI1 | LEFL | 4670 | A | Woody Upper Canopy, Shrub |
| Flycatcher, Olive-sided | <i>Contopus borealis</i> | COBO | OSFL | 4590 | A | Woody Upper Canopy |
| Flycatcher, Scissor-tailed | <i>Tyrannus forficatus</i> | TYFO | STFL | 4430 | A | Woody Upper Canopy, Shrub |
| Flycatcher, Sulphur-bellied | <i>Myiodynastes luteiventris</i> | MYLU | SBFL | 4510 | C | Woody Upper Canopy |
| Flycatcher, Vermilion | <i>Pyrocephalus rubinus</i> | PYRU | VEFL | 4710 | A | Woody Upper Canopy |
| Flycatcher, Western | <i>Empidonax difficilis</i> | EMDI | WEFL | 4640 | R | Woody Lower Canopy, Cliff |
| Flycatcher, Willow | <i>Empidonax traillii</i> | EMTR | WIFL | 4660 | A | Shrub, Woody Lower Canopy |
| Flycatcher, Yellow-bellied | <i>Empidonax flaviventris</i> | EMFL | YBFL | 4630 | A | Ground |
| Frigatebird, Magnificent | <i>Fregata magnificens</i> | FRMA | MAFR | 1280 | R | Shrub, Woody Lower Canopy |
| Fulmar, Northern | <i>Fulmarus glacialis</i> | FUGL | NOFU | 0860 | R | Cliff, Ground |
| Gadwall | <i>Anas strepera</i> | ANST | GADW | 1350 | R | Ground |
| Gallinule, Purple | <i>Porphyryla martinica</i> | POMA | PUGA | 2180 | R | Floating |
| Gannet, Northern | <i>Sula bassanus</i> | SUBA | NOGA | 1170 | R | Cliff, Ground |

| LCTA CODE | NEST TYPE | FOOD TYPE | FORAGING SUBSTRATE | FORAGING TECHNIQUE | GENERAL HABITAT |
|------------------|------------------|-------------------------|---------------------------|---------------------------------|-------------------------|
| OXJA | Scrape | Aquatic Inverts, Greens | Water | Surface Dives | Swamp/Marsh, Freshwater |
| AYFU | Burrow | Greens, Insects | Water | Ground Gleaner, Skimmer | Coastal, Freshwater |
| AISP | Cavity | Aquatic Inverts, Seeds | Water | Dabbler | Swamp/Marsh, Riparian |
| CAAL1 | Scrape | Insects, Seeds | Ground, Water | Ground Gleaner, Prober | Coastal, Tundra |
| HALE | Platform | Fish, Birds | Water, Ground | High Patrol, Low Patrol | Freshwater, Coastal |
| AQCH | Platform | Small Mammals, Birds | Ground | High Patrol, Swooper | Grassland, Forest Edge |
| HAAL | Platform | Fish, Birds | Water, Air | Skimmer, Hawker | Tundra, Coastal |
| BUIB | Platform | Insects, Small Verts | Ground | Ground Gleaner | Swamp/Marsh, Grassland |
| CAAL2 | Platform | Fish, Small Verts | Water | Ambusher | Swamp/Marsh |
| EGRU | Platform | Fish, Aquatic Inverts | Water | Ambusher | Coastal, Swamp/Marsh |
| EGTH | Platform | Aquatic Inverts, Fish | Water | Ambusher | Swamp/Marsh, Freshwater |
| SOMO | Scrape | Aquatic Inverts, Fish | Water | Surface Dives, Dabbler | Tundra, Coastal |
| SOSP | Scrape | Aquatic Inverts | Water | Surface Dives, Dabbler | Tundra, Coastal |
| SOFI | Scrape | Aquatic Inverts, Greens | Water | Dabbler, Surface Dips | Tundra, Coastal |
| POST | Scrape | Aquatic Inverts, Greens | Water | Dabbler, Surface Dips | Tundra, Coastal |
| FAFE | Platform | Birds, Insects | Air | Aerial Pursuit, Hawker | Grassland, Shrubland |
| FAPE | Scrape | Birds | Air | Aerial Pursuit | Forest, Grassland |
| FAME | Scrape, Crevice | Birds, Small Mammals | Air, Ground | Aerial Pursuit, Low Patrol | Grassland, Tundra |
| TUPI | Cup | Insects, Seeds | Ground | Ground Gleaner | Forest |
| CACA7 | Cup | Seeds, Insects | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest |
| CAME2 | Cup, Cavity | Seeds, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland, Urban |
| CAPU1 | Cup | Seeds, Insects | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest, Forest Edge |
| LEAR | Cup, Crevice | Seeds, Insects | Ground | Ground Gleaner | Rocky Slope, Tundra |
| PHRU | Saucer | Aquatic Inverts, Greens | Water | Prober | Coastal, Swamp/Marsh |
| COAU | Cavity | Insects, Seeds | Ground, Air | Ground Gleaner, Hawker | Forest, Urban |
| EMVI | Cup | Insects, Fruit | Air | Hawker | Riparian, Swamp/Marsh |
| EMAL | Cup | Insects, Fruit | Air | Hawker | Swamp/Marsh, Shrubland |
| MYCI | Cavity | Insects, Fruit | Air | Hover Gleaner, Hawker | Shrubland, Riparian |
| MYTY | Cavity | Insects, Fruit | Air | Hover Gleaner, Hawker | Shrubland, Desert |
| EMFU | Cup | Insects | Air | Hawker | Forest |
| EMOB | Cup | Insects | Air | Hawker, Hover Gleaner | Forest, Shrubland |
| MYTU | Cavity | Insects, Fruit | Air | Hover Gleaner, Hawker | Riparian, Forest |
| EMWR | Cup | Insects | Air, Ground | Hawker, Ground Gleaner | Shrubland |
| MYCR | Cavity | Insects, Fruit | Air, Ground | Hawker, Ground Gleaner | Forest Edge, Forest |
| EMHA | Cup | Insects | Air | Hawker | Forest |
| EMMI1 | Cup | Insects, Fruit | Air | Hover Gleaner, Hawker | Forest, Urban |
| COBO | Cup | Insects | Air | Hawker | Forest |
| TYFO | Cup | Insects, Fruit | Air, Foliage | Hawker, Foliage Gleaner | Grassland, Shrubland |
| MYLU | Cavity | Insects, Fruit | Air | Hawker | Riparian, Forest |
| PYRU | Cup | Insects | Air | Hawker, Hover & Pounce | Riparian, Forest Edge |
| EMDI | Cavity | Insects, Fruit | Air | Hawker, Hover Gleaner | Forest, Riparian |
| EMTR | Cup | Insects, Fruit | Air | Hawker, Hover Gleaner | Swamp/Marsh |
| EMFL | Cup | Insects, Fruit | Air | Hawker, Hover Gleaner | Forest, Swamp/Marsh |
| FRMA | Platform | Fish, Aquatic Inverts | Water, Air | Low Patrol, Hawker | Coastal, Pelagic |
| FUGL | Scrape, Saucer | Fish, Aquatic Inverts | Water | Surface Dips, High Dives | Pelagic |
| ANST | Scrape | Greens, Insects | Water | Dabbler, Surface Dives | Swamp/Marsh, Grassland |
| POMA | Platform | Seeds, Fruit | Ground | Ground Gleaner | Swamp/Marsh |
| SUBA | Platform | Fish | Water | High Dives | Coastal, Pelagic |

| COMMON NAME | SCIENTIFIC NAME | LCTA CODE | ALPHA CODE | AOU# | NEO STAT | NEST LOCATION |
|------------------------------|-----------------------------------|-----------|------------|------|----------|----------------------------|
| Gnatcatcher, Black-tailed | <i>Polioptila melanura</i> | POME | BTGN | 7520 | R | Shrub, Woody Lower Canopy |
| Gnatcatcher, Blue-gray | <i>Polioptila caerulea</i> | POCA | BGGN | 7510 | A | Woody Lower Canopy |
| Godwit, Bar-tailed | <i>Limosa lapponica</i> | LILA | BARG | 2500 | R | Ground |
| Godwit, Hudsonian | <i>Limosa haemastica</i> | LIHA | HUGO | 2510 | R | Ground |
| Godwit, Marbled | <i>Limosa fedoa</i> | LIFE | MAGO | 2490 | R | Ground |
| Goldeneye, Barrow's | <i>Bucephala islandica</i> | BUIS | BAGO | 1520 | R | Snag, Woody Upper Canopy |
| Goldeneye, Common | <i>Bucephala clangula</i> | BUCL | COGO | 1510 | R | Snag, Woody Upper Canopy |
| Goldfinch, American | <i>Carduelis tristis</i> | CATR | AMGO | 5290 | B | Shrub, Woody Lower Canopy |
| Goldfinch, Lawrence's | <i>Carduelis lawrencei</i> | CALA3 | LAGO | 5310 | B | Woody Upper Canopy, Shrub |
| Goldfinch, Lesser | <i>Carduelis psaltria</i> | CAPS | LEGO | 5300 | B | Woody Lower Canopy, Shrub |
| Goose, Barnacle | <i>Branta leucopsis</i> | BRLE | BRNG | 1750 | R | Cliff, Ground |
| Goose, Canada | <i>Branta canadensis</i> | BRCA1 | CAGO | 1720 | R | Ground |
| Goose, Emperor | <i>Chen canagica</i> | CHCA1 | EMGO | 1760 | R | Ground |
| Goose, Greater White-fronted | <i>Anser albifrons</i> | ANAL | GWFG | 1710 | R | Ground |
| Goose, Pink-footed | <i>Anser brachyrhynchus</i> | ANBR | PFGO | 1712 | R | Ground, Cliff |
| Goose, Ross' | <i>Chen rossii</i> | CHRO | ROGO | 1700 | R | Ground |
| Goose, Snow | <i>Chen caerulescens</i> | CHCA | SNGO* | 1690 | R | Ground |
| Goshawk, Northern | <i>Accipiter gentilis</i> | ACGE | NOGO | 3340 | B | Woody Upper Canopy |
| Grackle, Boat-tailed | <i>Quiscalus major</i> | QUMA | BTGR | 5130 | R | Woody Lower Canopy, Shrub |
| Grackle, Common | <i>Quiscalus quiscula</i> | QUQU | COGR | 5110 | R | Woody Lower Canopy |
| Grackle, Great-tailed | <i>Quiscalus mexicanus</i> | QUME | GTGR | 5120 | R | Woody Lower Canopy, Shrub |
| Grebe, Clark's | <i>Aechmophorus clarkii</i> | AECL | CLGR | 0011 | R | Ground |
| Grebe, Eared | <i>Podiceps nigricollis</i> | PONI | EAGR | 0040 | R | Floating |
| Grebe, Horned | <i>Podiceps auritus</i> | POAU | HOGR | 0030 | R | Floating |
| Grebe, Least | <i>Tachybaptus dominicus</i> | TADO | LEGR | 0050 | R | Floating |
| Grebe, Pied-billed | <i>Podilymbus podiceps</i> | POPO | PBGR | 0060 | R | Floating |
| Grebe, Red-necked | <i>Podiceps grisegena</i> | POGR | RNGR | 0020 | R | Floating |
| Grebe, Western | <i>Aechmophorus occidentalis</i> | AEOC | WEGR | 0010 | R | Floating |
| Grosbeak, Black-headed | <i>Pheucticus melanocephalus</i> | PHME1 | BHGR | 5960 | A | Woody Lower Canopy, Shrub |
| Grosbeak, Blue | <i>Guiraca caerulea</i> | GUCA | BLGR | 5970 | A | Shrub, Woody Lower Canopy |
| Grosbeak, Evening | <i>Coccothraustes vespertinus</i> | COVE | EVGR | 5140 | R | Woody Upper Canopy |
| Grosbeak, Pine | <i>Pinicola enucleator</i> | PIEN | PIGR | 5150 | R | Woody Lower Canopy, Shrub |
| Grosbeak, Rose-breasted | <i>Pheucticus ludovicianus</i> | PHLU | RBGR | 5950 | A | Woody Lower Canopy, Shrub |
| Grouse, Blue | <i>Dendragapus obscurus</i> | DEOB | BLGS* | 2970 | R | Ground |
| Grouse, Ruffed | <i>Bonasa umbellus</i> | BOUM | RUGR* | 3000 | R | Ground |
| Grouse, Sage | <i>Centrocercus urophasianus</i> | CEUR | SAGR* | 3090 | R | Ground |
| Grouse, Sharp-tailed | <i>Tympanuchus phasianellus</i> | TYPH | STGR* | 3080 | R | Ground |
| Grouse, Spruce | <i>Dendragapus canadensis</i> | DECA | SPGR* | 2980 | R | Ground |
| Guillemot, Black | <i>Cephus grylle</i> | CEGR | BLGU | 0270 | R | Cliff, Ground |
| Guillemot, Pigeon | <i>Cephus columba</i> | CECO1 | PIGU | 0290 | R | Cliff |
| Gull, Bonaparte's | <i>Larus philadelphia</i> | LAPH | BOGU | 0600 | R | Woody Lower Canopy, Ground |
| Gull, California | <i>Larus californicus</i> | LACA1 | CAGU | 0530 | R | Ground |
| Gull, Common Black-headed | <i>Larus ridibundus</i> | LARI | CBHG | 0551 | R | Ground |
| Gull, Franklin's | <i>Larus pipixcan</i> | LAPI | FRGU | 0590 | R | Floating |
| Gull, Glaucous | <i>Larus hyperboreus</i> | LAHY | GLGU | 0420 | R | Cliff, Ground |
| Gull, Glaucous-winged | <i>Larus glaucescens</i> | LAGL | GWGU | 0440 | R | Cliff, Ground |
| Gull, Great Black-backed | <i>Larus marinus</i> | LAMA | GBBG | 0470 | R | Ground |
| Gull, Heermann's | <i>Larus heermanni</i> | LAHE | HEEG | 0570 | R | Ground |

| LCTA CODE | NEST TYPE | FOOD TYPE | FORAGING SUBSTRATE | FORAGING TECHNIQUE | GENERAL HABITAT |
|------------------|------------------|--------------------------|---------------------------|---------------------------------|-------------------------|
| POME | Cup | Insects, Seeds | Foliage, Air | Foliage Gleaner, Hover Gleaner | Shrubland |
| POCA | Cup | Insects | Foliage, Air | Foliage Gleaner, Hover Gleaner | Forest, Shrubland |
| LILA | Scrape | Aquatic Inverts, Insects | Water | Prober | Tundra, Coastal |
| LIHA | Scrape | Insects, Aquatic Inverts | Water | Prober | Tundra |
| LIFE | Scrape | Aquatic Inverts, Insects | Water, Ground | Prober, Ground Gleaner | Grassland, Swamp/Marsh |
| BUIS | Cavity | Aquatic Inverts | Water | Surface Dives | Swamp/Marsh, Freshwater |
| BUCL | Cavity | Aquatic Inverts, Fish | Water | Surface Dives | Freshwater, Swamp/Marsh |
| CATR | Cup | Seeds, Insects | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Grassland, Riparian |
| CALA3 | Cup | Seeds, Insects | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Riparian, Shrubland |
| CAPS | Cup | Seeds, Insects | Foliage | Foliage Gleaner | Forest Edge, Grassland |
| BRLE | Scrape | Greens, Seeds | Ground | Ground Gleaner | Tundra, Coastal |
| BRCA1 | Scrape | Greens, Aquatic Inverts | Water | Surface Dips, Dabbler | Swamp/Marsh, Freshwater |
| CHCA1 | Scrape | Greens, Aquatic Inverts | Ground, Water | Ground Gleaner, Dabbler | Swamp/Marsh, Tundra |
| ANAL | Scrape | Greens, Aquatic Inverts | Water | Surface Dips, Dabbler | Freshwater, Swamp/Marsh |
| ANBR | Scrape | Grain, Greens | Ground | Ground Gleaner | Tundra, Coastal |
| CHRO | Scrape | Greens, Aquatic Inverts | Water | Surface Dips, Dabbler | Freshwater, Tundra |
| CHCA | Scrape | Greens, Aquatic Inverts | Water | Surface Dips, Dabbler | Tundra, Freshwater |
| ACGE | Platform | Birds, Small Mammals | Air, Ground | Aerial Pursuit, Low Patrol | Forest |
| QUMA | Cup | Insects, Small Verts | Ground, Air | Ground Gleaner, Hawker | Swamp/Marsh, Cropland |
| QUQU | Cup, Cavity | Insects, Aquatic Inverts | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Grassland, Urban |
| QUME | Cup | Insects, Small Verts | Ground | Ground Gleaner | Grassland, Swamp/Marsh |
| AECL | Platform | Fish, Aquatic Inverts | Water | Surface Dives | Freshwater, Swamp/Marsh |
| PONI | Platform | Aquatic Inverts, Fish | Water | Surface Dives | Swamp/Marsh, Freshwater |
| POAU | Platform | Aquatic Inverts, Fish | Water | Surface Dives | Swamp/Marsh, Freshwater |
| TADO | Platform | Aquatic Inverts, Fish | Water | Surface Dives | Freshwater, Swamp/Marsh |
| POPO | Platform | Aquatic Inverts, Fish | Water | Surface Dives | Swamp/Marsh, Riparian |
| POGR | Platform | Aquatic Inverts, Fish | Water | Surface Dives | Freshwater, Swamp/Marsh |
| AEOC | Platform | Fish, Aquatic Inverts | Water | Surface Dives | Swamp/Marsh, Freshwater |
| PHME1 | Cup | Insects, Seeds | Foliage | Foliage Gleaner | Riparian, Forest Edge |
| GUCA | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Riparian, Forest Edge |
| COVE | Cup | Seeds, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest, Urban |
| PIEN | Cup | Seeds, Fruit | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Forest, Forest Edge |
| PHLU | Cup | Insects, Seeds | Foliage, Air | Foliage Gleaner, Hover Gleaner | Forest, Shrubland |
| DEOB | Scrape | Greens, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest |
| BOUM | Scrape | Greens, Seeds | Foliage, Ground | Foliage Browser, Ground Gleaner | Forest |
| CEUR | Scrape | Greens, Insects | Foliage, Ground | Foliage Browser, Ground Gleaner | Shrubland |
| TYPH | Scrape | Greens, Seeds | Ground, Foliage | Ground Gleaner, Foliage Browser | Grassland, Shrubland |
| DECA | Scrape | Greens, Fruit | Foliage, Ground | Foliage Browser, Ground Gleaner | Forest |
| CEGR | Crevise | Fish, Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| CECO1 | Crevise, Burrow | Fish, Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| LAPH | Saucer | Insects, Aquatic Inverts | Ground, Water | Scavenger, Surface Dives | Shoreline, Freshwater |
| LACA1 | Scrape | Insects, Small Verts | Water | Scavenger, Surface Dives | Coastal, Freshwater |
| LARI | Scrape | Insects | Water | Scavenger, Ground Gleaner | Coastal, Freshwater |
| LAPI | Platform | Insects | Water | Scavenger, Ground Gleaner | Freshwater, Cropland |
| LAHY | Saucer | Fish, Aquatic Inverts | Water | Scavenger, Low Patrol | Coastal |
| LAGL | Saucer | Aquatic Inverts, Fish | Water, Ground | Scavenger, Ground Gleaner | Coastal |
| LAMA | Saucer | Birds, Fish | Ground, Water | Scavenger, Ground Gleaner | Coastal |
| LAHE | Scrape, Saucer | Fish, Aquatic Inverts | Water | Scavenger, High Dives | Coastal |

| COMMON NAME | SCIENTIFIC NAME | LCTA CODE | ALPHA CODE | AOU# | NEO STAT | NEST LOCATION |
|-----------------------------|--------------------------------|-----------|------------|------|----------|----------------------------|
| Gull, Herring | <i>Larus argentatus</i> | LAAR | HERG | 0510 | R | Ground, Cliff |
| Gull, Iceland | <i>Larus glaucoides</i> | LAGL1 | ICGU | 0430 | R | Cliff, Ground |
| Gull, Ivory | <i>Pagophila eburnea</i> | PAEB | IVGU | 0390 | R | Ground, Cliff |
| Gull, Laughing | <i>Larus atricilla</i> | LAAT | LAGU | 0580 | R | Ground |
| Gull, Lesser Black-backed | <i>Larus fuscus</i> | LAFU | LBBG | 0500 | R | Ground |
| Gull, Little | <i>Larus minutus</i> | LAMI | LIGU | 0601 | R | Ground |
| Gull, Mew | <i>Larus canus</i> | LACA2 | MEGU | 0550 | R | Ground, Floating |
| Gull, Ring-billed | <i>Larus delawarensis</i> | LADE1 | RBGU | 0540 | R | Ground |
| Gull, Ross' | <i>Rhodostethia rosea</i> | RHRO | ROGU | 0610 | R | Ground |
| Gull, Sabine's | <i>Xema sabini</i> | XESA | SAGU | 0620 | R | Ground |
| Gull, Thayer's | <i>Larus thayeri</i> | LATH | THGU | 0431 | R | Cliff |
| Gull, Western | <i>Larus occidentalis</i> | LAOC | WEGU | 0490 | R | Cliff, Ground |
| Gull, Yellow-footed | <i>Larus livens</i> | LALI | YFGU | 0491 | R | Ground |
| Gyrfalcon | <i>Falco rusticolus</i> | FARU | GYRF | 3540 | R | Cliff, Woody Upper Canopy |
| Harrier, Northern | <i>Circus cyaneus</i> | CICY | NOHA | 3310 | B | Ground, Shrub |
| Hawk, Broad-winged | <i>Buteo platypterus</i> | BUPL | BWHA | 3430 | A | Woody Upper Canopy |
| Hawk, Common Black | <i>Buteogallus anthracinus</i> | BUAN | CBHA | 3450 | C | Woody Upper Canopy |
| Hawk, Cooper's | <i>Accipiter cooperii</i> | ACCO | COHA | 3330 | B | Woody Upper Canopy |
| Hawk, Ferruginous | <i>Buteo regalis</i> | BURE1 | FEHA | 3480 | B | Woody Upper Canopy, Cliff |
| Hawk, Gray | <i>Buteo nitidus</i> | BUNI | GRHA | 3460 | C | Woody Upper Canopy |
| Hawk, Harris' | <i>Parabuteo unicinctus</i> | PAUN | HRSH | 3350 | R | Woody Upper Canopy, Shrub |
| Hawk, Red-shouldered | <i>Buteo lineatus</i> | BULI | RSHA | 3390 | B | Woody Upper Canopy |
| Hawk, Red-tailed | <i>Buteo jamaicensis</i> | BUJA | RTHA | 3370 | B | Woody Upper Canopy, Cliff |
| Hawk, Rough-legged | <i>Buteo lagopus</i> | BULA | RLHA | 3470 | R | Cliff, Woody Upper Canopy |
| Hawk, Sharp-shinned | <i>Accipiter striatus</i> | ACST | SSHA | 3320 | B | Woody Upper Canopy |
| Hawk, Short-tailed | <i>Buteo brachyurus</i> | BUBR | STHA | 3440 | R | Woody Upper Canopy |
| Hawk, Swainson's | <i>Buteo swainsoni</i> | BUSW | SWHA | 3420 | A | Woody Upper Canopy, Cliff |
| Hawk, White-tailed | <i>Buteo albicaudatus</i> | BUAL2 | WTHA | 3410 | R | Woody Lower Canopy, Shrub |
| Hawk, Zone-tailed | <i>Buteo albonotatus</i> | BUAL3 | ZTHA | 3400 | C | Woody Upper Canopy |
| Heron, Black-crowned Night | <i>Nycticorax nycticorax</i> | NYNY | BCNH | 2020 | R | Woody Lower Canopy, Ground |
| Heron, Great Blue | <i>Ardea herodias</i> | ARHE | GTBH | 1940 | R | Woody Upper Canopy |
| Heron, Green-backed | <i>Butorides striatus</i> | BUST | GNBH | 2010 | R | Woody Lower Canopy, Shrub |
| Heron, Little Blue | <i>Egretta caerulea</i> | EGCA | LBHE | 2000 | R | Woody Upper Canopy, Shrub |
| Heron, Tricolored | <i>Egretta tricolor</i> | EGTR | TRHE | 1990 | R | Woody Lower Canopy, Shrub |
| Heron, Yellow-crowned Night | <i>Nycticorax violaceus</i> | NYVI | YCNH | 2030 | R | Woody Upper Canopy, Shrub |
| Hummingbird, Allen's | <i>Selasphorus sasin</i> | SESA | ALHU | 4340 | A | Woody Lower Canopy, Shrub |
| Hummingbird, Anna's | <i>Calypte anna</i> | CAAN | ANHU | 4310 | B | Woody Lower Canopy, Shrub |
| Hummingbird, Berylline | <i>Amazilia beryllina</i> | AMBE | BEHU | 4381 | R | Woody Upper Canopy |
| Hummingbird, Black-chinned | <i>Archilochus alexandri</i> | ARAL1 | BCHU | 4290 | A | Woody Lower Canopy |
| Hummingbird, Blue-throated | <i>Lampornis clemenciae</i> | LACL | BLUH | 4270 | C | Ground, Woody Lower Canopy |
| Hummingbird, Broad-billed | <i>Cynanthus latirostris</i> | CYLA | BBLH | 4410 | C | Woody Lower Canopy, Shrub |
| Hummingbird, Broad-tailed | <i>Selasphorus platycercus</i> | SEPL | BTLH | 4320 | A | Woody Lower Canopy |
| Hummingbird, Buff-bellied | <i>Amazilia yucatanensis</i> | AMYU | BUFH | 4390 | C | Shrub, Woody Lower Canopy |
| Hummingbird, Calliope | <i>Stellula calliope</i> | STCA | CAHU | 4360 | A | Woody Upper Canopy, Shrub |
| Hummingbird, Costa's | <i>Calypte costae</i> | CACO | COHU | 4300 | A | Shrub, Woody Lower Canopy |
| Hummingbird, Lucifer | <i>Calothorax lucifer</i> | CALU | LUHU | 4370 | C | Shrub, Woody Lower Canopy |
| Hummingbird, Magnificent | <i>Eugenes fulgens</i> | EUFU | MAHU | 4260 | C | Woody Upper Canopy |
| Hummingbird, Ruby-throated | <i>Archilochus colubris</i> | ARCO | RTHU | 4280 | A | Woody Lower Canopy |

| LCTA CODE | NEST TYPE | FOOD TYPE | FORAGING SUBSTRATE | FORAGING TECHNIQUE | GENERAL HABITAT |
|------------------|------------------|----------------------------|---------------------------|------------------------------|-------------------------|
| LAAR | Saucer | Seeds, Birds | Water, Ground | Scavenger, Ground Gleaner | Coastal, Freshwater |
| LAGL1 | Saucer | Fish, Aquatic Inverts | Water | Scavenger, High Dives | Coastal |
| PAEB | Saucer, Scrape | Fish, Aquatic Inverts | Water, Ground | Scavenger, High Dives | Coastal |
| LAAT | Scrape, Saucer | Aquatic Inverts | Ground, Water | Scavenger, Ground Gleaner | Swamp/Marsh |
| LAFU | Saucer | Fish, Aquatic Inverts | Water | Scavenger | Coastal |
| LAMI | Scrape | Insects, Aquatic Inverts | Water | Surface Dips | Swamp/Marsh, Grassland |
| LACA2 | Scrape, Cup | Insects | Ground, Water | Scavenger, Ground Gleaner | Coastal, Tundra |
| LADE1 | Saucer | Fish, Insects | Ground, Water | Scavenger, Ground Gleaner | Freshwater, Coastal |
| RHRO | Scrape | Insects, Fish | Water, Ground | Surface Dips, Ground Gleaner | Coastal, Tundra |
| XESA | Scrape | Fish, Insects | Ground, Water | Scavenger, Ground Gleaner | Tundra, Freshwater |
| LATH | Saucer | Fish, Fruit | Water, Ground | Scavenger, Low Patrol | Coastal |
| LAOC | Saucer | Fish, Aquatic Inverts | Water, Ground | Scavenger, Low Patrol | Coastal |
| LALI | Saucer | Fish, Aquatic Inverts | Water | Scavenger | Coastal |
| FARU | Scrape | Birds, Small Mammals | Air, Ground | Aerial Pursuit, Low Patrol | Tundra, Rocky Slope |
| CICY | Platform | Small Mammals, Small Verts | Ground, Air | Low Patrol | Grassland, Swamp/Marsh |
| BUPL | Platform | Small Mammals, Birds | Ground, Air | Swooper | Forest |
| BUAN | Platform | Small Verts, Fish | Ground, Water | Swooper | Swamp/Marsh, Riparian |
| ACCO | Platform | Birds, Small Mammals | Air, Ground | Aerial Pursuit, Low Patrol | Forest, Riparian |
| BURE1 | Platform | Small Mammals, Birds | Ground | Hover & Pounce, Swooper | Grassland |
| BUNI | Platform | Small Verts, Birds | Ground | Swooper, Low Patrol | Riparian, Forest |
| PAUN | Platform | Small Mammals, Small Verts | Ground | Low Patrol, Swooper | Grassland, Shrubland |
| BULI | Platform | Small Mammals, Small Verts | Ground | Low Patrol, High Patrol | Riparian, Swamp/Marsh |
| BUJA | Platform | Small Mammals, Birds | Ground | High Patrol, Swooper | Forest, Grassland |
| BULA | Platform | Small Mammals, Insects | Ground | Hover & Pounce, Swooper | Forest, Tundra |
| ACST | Platform | Birds | Air | Aerial Pursuit | Forest |
| BUBR | Platform | Birds | Ground | High Patrol | Grassland, Swamp/Marsh |
| BUSW | Platform | Small Mammals, Small Verts | Ground | High Patrol | Grassland, Forest |
| BUAL2 | Platform | Small Mammals, Small Verts | Ground | High Patrol, Hover & Pounce | Grassland, Shrubland |
| BUAL3 | Platform | Small Verts, Birds | Ground | High Patrol | Shrubland, Grassland |
| NYNY | Platform | Fish, Small Verts | Water | Ambusher | Swamp/Marsh, Freshwater |
| ARHE | Platform | Fish, Aquatic Inverts | Water | Ambusher | Swamp/Marsh, Freshwater |
| BUST | Platform | Fish, Insects | Water | Ambusher | Swamp/Marsh, Freshwater |
| EGCA | Platform | Fish, Small Verts | Water | Ambusher | Swamp/Marsh, Freshwater |
| EGTR | Platform | Fish, Small Verts | Water | Ambusher | Swamp/Marsh, Freshwater |
| NYVI | Platform | Aquatic Inverts, Insects | Water, Ground | Ambusher, Ground Gleaner | Swamp/Marsh, Freshwater |
| SESA | Cup | Nectar, Insects | Air | Hover Gleaner, Hawker | Shrubland, Forest |
| CAAN | Cup | Nectar, Insects | Air | Hover Gleaner, Hawker | Forest, Shrubland |
| AMBE | Cup | Nectar, Insects | Air | Hover Gleaner | Forest |
| ARAL1 | Cup | Nectar, Insects | Air | Hover Gleaner, Hawker | Forest, Shrubland |
| LACL | Cup | Insects, Nectar | Air | Hover Gleaner, Hawker | Forest, Riparian |
| CYLA | Cup | Nectar, Insects | Air | Hover Gleaner | Shrubland, Riparian |
| SEPL | Cup | Nectar, Insects | Air | Hover Gleaner, Hawker | Forest, Shrubland |
| AMYU | Cup | Nectar, Insects | Air | Hover Gleaner | Forest, Shrubland |
| STCA | Cup | Nectar, Insects | Air | Hover Gleaner, Hawker | Forest, Shrubland |
| CACO | Cup | Nectar, Insects | Air | Hover Gleaner | Shrubland |
| CALU | Cup | Insects, Nectar | Air | Hover Gleaner | Shrubland |
| EUFU | Cup | Nectar, Insects | Air | Hover Gleaner | Forest |
| ARCO | Cup | Nectar, Insects | Air | Hover Gleaner | Forest, Urban |

| COMMON NAME | SCIENTIFIC NAME | LCTA CODE | ALPHA CODE | AOU# | NEO STAT | NEST LOCATION |
|-------------------------------|----------------------------------|-----------|------------|------|----------|---------------------------|
| Hummingbird, Rufous | <i>Selasphorus rufus</i> | SERU | RUHU | 4330 | A | Woody Lower Canopy |
| Hummingbird, Violet-crowned | <i>Amazilia violiceps</i> | AMVI | VCHU | 4391 | C | Woody Upper Canopy |
| Hummingbird, White-eared | <i>Hylocharis leucotis</i> | HYLE | WEHU | 4401 | R | Shrub, Woody Lower Canopy |
| Ibis, Glossy | <i>Plegadis falcinellus</i> | PLFA | GLIB | 1860 | R | Ground, Shrub |
| Ibis, Scarlet | <i>Eudocimus ruber</i> | EURU | SCIB | 1850 | R | Woody Upper Canopy |
| Ibis, White | <i>Eudocimus albus</i> | EUAL | WHIB | 1840 | R | Woody Lower Canopy |
| Ibis, White-faced | <i>Plegadis chihi</i> | PLCH | WFIB | 1870 | R | Ground, Shrub |
| Jacana, Northern | <i>Jacana spinosa</i> | JASP | NOJA | 2880 | R | Floating |
| Jaeger, Long-tailed | <i>Stercorarius longicaudus</i> | STLO1 | LTJA | 0380 | R | Ground |
| Jaeger, Parasitic | <i>Stercorarius parasiticus</i> | STPA | PAJA | 0370 | R | Ground |
| Jaeger, Pomarine | <i>Stercorarius pomarinus</i> | STPO | POJA | 0360 | R | Ground |
| Jay, Blue | <i>Cyanocitta cristata</i> | CYCR | BLJA | 4770 | R | Woody Lower Canopy |
| Jay, Brown | <i>Cyanocorax morio</i> | CYMO | BRJA | 4832 | R | Woody Lower Canopy, Shrub |
| Jay, Gray | <i>Perisoreus canadensis</i> | PECA | GRAJ | 4840 | R | Woody Lower Canopy |
| Jay, Gray-breasted | <i>Aphelocoma ultramarina</i> | APUL | GBJA | 4820 | R | Woody Lower Canopy |
| Jay, Green | <i>Cyanocorax yncas</i> | CYYN | GREJ | 4830 | R | Woody Lower Canopy, Shrub |
| Jay, Pinyon | <i>Gymnorhinus cyanocephalus</i> | GYCY | PIJA | 4920 | R | Woody Lower Canopy |
| Jay, Scrub | <i>Aphelocoma coerulescens</i> | APCO | SCJA | 4810 | R | Woody Lower Canopy, Shrub |
| Jay, Steller's | <i>Cyanocitta stelleri</i> | CYST | STJA | 4780 | R | Woody Lower Canopy |
| Junco, Dark-eyed | <i>Junco hyemalis</i> | JUHY | DEJU* | 5670 | B | Ground, Bank |
| Junco, Yellow-eyed | <i>Junco phaeonotus</i> | JUPH | YEJU | 5700 | R | Ground, Shrub |
| Kestrel, American | <i>Falco sparverius</i> | FASP | AMKE | 3600 | B | Snag, Cliff |
| Killdeer | <i>Charadrius vociferus</i> | CHVO | KILL | 2730 | B | Ground |
| Kingbird, Cassin's | <i>Tyrannus vociferans</i> | TYVO | CAKI | 4480 | A | Woody Upper Canopy |
| Kingbird, Couch's | <i>Tyrannus couchii</i> | TYCO | COKI | 4461 | C | Woody Lower Canopy |
| Kingbird, Eastern | <i>Tyrannus tyrannus</i> | TYTY | EAKI | 4440 | A | Woody Lower Canopy, Shrub |
| Kingbird, Gray | <i>Tyrannus dominicensis</i> | TYDO | GRAK | 4450 | D | Woody Lower Canopy, Shrub |
| Kingbird, Thick-billed | <i>Tyrannus crassirostris</i> | TYCR | TBKI | 4451 | C | Woody Upper Canopy |
| Kingbird, Tropical | <i>Tyrannus melancholicus</i> | TYME | TRKI | 4460 | C | Woody Lower Canopy |
| Kingbird, Western | <i>Tyrannus verticalis</i> | TYVE | WEKI | 4470 | A | Woody Upper Canopy, Shrub |
| Kingfisher, Belted | <i>Ceryle alcyon</i> | CEAL | BEKI | 3900 | B | Bank, Snag |
| Kingfisher, Green | <i>Chloroceryle americana</i> | CHAM | GKIN | 3910 | C | Bank |
| Kingfisher, Ringed | <i>Ceryle torquata</i> | CETO | RIKI | 3901 | R | Bank |
| Kinglet, Golden-crowned | <i>Regulus satrapa</i> | RESA | GCKI | 7480 | R | Woody Upper Canopy |
| Kinglet, Ruby-crowned | <i>Regulus calendula</i> | RECA | RCKI | 7490 | B | Woody Upper Canopy |
| Kiskadee, Great | <i>Pitangus sulphuratus</i> | PISU1 | GKIS | 4490 | R | Woody Lower Canopy, Shrub |
| Kite, American Swallow-tailed | <i>Elanoides forficatus</i> | ELFO | ASTK | 3270 | A | Woody Upper Canopy |
| Kite, Black-shouldered | <i>Elanus caeruleus</i> | ELCA | BSKI | 3280 | R | Woody Upper Canopy |
| Kite, Hook-billed | <i>Chondrohierax uncinatus</i> | CHUN | HBKI | 3271 | R | Woody Lower Canopy |
| Kite, Mississippi | <i>Ictinia mississippiensis</i> | ICMI | MIKI | 3290 | A | Woody Upper Canopy |
| Kite, Snail | <i>Rostrhamus sociabilis</i> | ROSO | SNKI | 3300 | R | Woody Lower Canopy, Shrub |
| Kittiwake, Black-legged | <i>Rissa tridactyla</i> | RITR | BLKI | 0400 | R | Cliff |
| Kittiwake, Red-legged | <i>Rissa brevirostris</i> | RIBR | RLKI | 0410 | R | Cliff |
| Knot, Red | <i>Calidris canutus</i> | CACA | REKN | 2340 | R | Ground |
| Lark, Horned | <i>Eremophila alpestris</i> | ERAL | HOLA | 4740 | B | Ground |
| Limpkin | <i>Aramus guarauna</i> | ARGU | LIMP | 2070 | R | Ground, Shrub |
| Longspur, Chestnut-collared | <i>Calcarius ornatus</i> | CAOR | CCLO | 5380 | B | Ground |
| Longspur, Lapland | <i>Calcarius lapponicus</i> | CALA | LALO | 5360 | R | Ground |

| LCTA CODE | NEST TYPE | FOOD TYPE | FORAGING SUBSTRATE | FORAGING TECHNIQUE | GENERAL HABITAT |
|------------------|------------------|--------------------------|---------------------------|---------------------------------|-------------------------|
| SERU | Cup | Nectar, Insects | Air | Hover Gleaner, Hawker | Forest, Shrubland |
| AMVI | Cup | Nectar, Insects | Air | Hover Gleaner | Forest, Riparian |
| HYLE | Cup | Nectar, Insects | Air | Hover Gleaner, Hawker | Forest, Shrubland |
| PLFA | Platform | Aquatic Inverts, Insects | Water, Ground | Prober, Ground Gleaner | Swamp/Marsh |
| EURU | Platform | Aquatic Inverts, Fish | Water | Prober | Swamp/Marsh, Freshwater |
| EUAL | Platform | Aquatic Inverts, Fish | Water, Ground | Prober, Ground Gleaner | Swamp/Marsh, Freshwater |
| PLCH | Platform | Aquatic Inverts, Insects | Water, Ground | Prober, Ground Gleaner | Swamp/Marsh, Freshwater |
| JASP | Platform | Insects | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Swamp/Marsh, Freshwater |
| STLO1 | Scrape | Small Mammals, Birds | Ground, Air | Hover & Pounce, Piracy | Grassland, Tundra |
| STPA | Scrape | Birds, Small Mammals | Ground, Air | Hover & Pounce, Piracy | Shrubland, Tundra |
| STPO | Scrape | Small Mammals, Birds | Ground, Air | Low Patrol, Piracy | Swamp/Marsh, Tundra |
| CYCR | Cup | Insects, Seeds | Ground, Air | Ground Gleaner, Hawker | Forest, Urban |
| CYMO | Cup | Insects, Small Verts | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest, Forest Edge |
| PECA | Cup | Insects, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest, Forest Edge |
| APUL | Cup | Nuts | Ground | Ground Gleaner | Forest, Shrubland |
| CYYN | Cup | Insects, Small Verts | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Shrubland, Forest |
| GYCY | Cup | Nuts, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland, Forest |
| APCO | Cup | Insects, Nuts | Ground | Ground Gleaner | Shrubland, Forest |
| CYST | Cup | Nuts, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest |
| JUHY | Cup, Cavity | Seeds, Insects | Ground, Air | Ground Gleaner, Hawker | Forest, Forest Edge |
| JUPH | Cup, Cavity | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest, Shrubland |
| FASP | Cavity | Insects, Small Verts | Ground, Air | Hover & Pounce, Hawker | Grassland, Cropland |
| CHVO | Scrape | Insects | Ground | Ground Gleaner | Shoreline, Freshwater |
| TYVO | Cup | Insects, Fruit | Air, Ground | Hawker, Hover & Pounce | Forest, Shrubland |
| TYCO | Cup | Insects, Fruit | Air, Ground | Hawker | Riparian, Urban |
| TYTY | Cup | Insects, Fruit | Air | Hawker, Hover Gleaner | Riparian, Forest Edge |
| TYDO | Cup | Insects, Fruit | Air, Foliage | Hawker, Foliage Gleaner | Shoreline |
| TYCR | Cup | Insects | Air | Hawker | Riparian |
| TYME | Cup | Insects, Fruit | Air, Ground | Hawker, Hover & Pounce | Forest, Urban |
| TYVE | Cup | Insects, Fruit | Air, Ground | Hawker, Hover & Pounce | Grassland, Riparian |
| CEAL | Burrow, Cavity | Fish, Aquatic Inverts | Water | High Dives | Shoreline, Freshwater |
| CHAM | Burrow | Fish | Water | High Dives | Freshwater, Swamp/Marsh |
| CETO | Burrow | Fish | Water | High Dives | Freshwater |
| RESA | Pendant | Insects, Fruit | Bark, Air | Foliage Gleaner, Hover Gleaner | Forest |
| RECA | Pendant | Insects, Tree Sap | Foliage, Air | Foliage Gleaner, Hover Gleaner | Forest |
| PISU1 | Sphere | Insects, Fish | Air, Water | Hawker, High Dives | Forest, Riparian |
| ELFO | Platform | Insects, Small Verts | Air, Ground | Hawker, Swooper | Forest, Swamp/Marsh |
| ELCA | Platform | Small Mammals, Insects | Ground | Hover & Pounce | Grassland, Riparian |
| CHUN | Platform | Aquatic Inverts, Insects | Ground, Bark | Swooper, Bark Gleaner | Swamp/Marsh, Forest |
| ICMI | Saucer | Insects, Small Verts | Air, Ground | Hawker, High Patrol | Riparian, Forest Edge |
| ROSO | Platform | Aquatic Inverts | Water | Low Patrol, Swooper | Swamp/Marsh, Freshwater |
| RITR | Cup | Fish, Aquatic Inverts | Water | Surface Dips, High Dives | Pelagic, Coastal |
| RIBR | Cup | Fish, Aquatic Inverts | Water | High Dives, Hover & Pick | Pelagic, Coastal |
| CACA | Scrape | Insects, Seeds | Ground | Ground Gleaner, Prober | Tundra |
| ERAL | Saucer | Seeds, Insects | Ground | Ground Gleaner | Grassland, Cropland |
| ARGU | Saucer | Aquatic Inverts | Water | Prober, Ambusher | Swamp/Marsh |
| CAOR | Cup | Insects, Seeds | Ground | Ground Gleaner | Grassland |
| CALA | Cup | Insects, Seeds | Ground | Ground Gleaner | Grassland, Shrubland |

| COMMON NAME | SCIENTIFIC NAME | LCTA CODE | ALPHA CODE | AOU# | NEO STAT | NEST LOCATION |
|--------------------------|------------------------------------|-----------|------------|------|----------|----------------------------|
| Longspur, McCown's | <i>Calcarius mccownii</i> | CAMC | MCLO | 5390 | B | Ground |
| Longspur, Smith's | <i>Calcarius pictus</i> | CAPI | SMLO | 5370 | R | Ground |
| Loon, Arctic | <i>Gavia arctica</i> | GAAR | ARLO | 0090 | R | Ground |
| Loon, Common | <i>Gavia immer</i> | GAIM | COLO | 0070 | R | Ground |
| Loon, Pacific | <i>Gavia pacifica</i> | GAPA | PALO | 0100 | R | Ground |
| Loon, Red-throated | <i>Gavia stellata</i> | GAST2 | RTLO | 0110 | R | Ground |
| Loon, Yellow-billed | <i>Gavia adamsii</i> | GAAD | YBLO | 0080 | R | Ground |
| Magpie, Black-billed | <i>Pica pica</i> | PIPI | BBMA | 4750 | R | Woody Upper Canopy, Shrub |
| Magpie, Yellow-billed | <i>Pica nuttalli</i> | PINU | YBMA | 4760 | R | Woody Upper Canopy |
| Mallard | <i>Anas platyrhynchos</i> | ANPL | MALL | 1320 | R | Ground |
| Martin, Purple | <i>Progne subis</i> | PRSU | PUMA | 6110 | A | Snag, MMS |
| Meadowlark, Eastern | <i>Sturnella magna</i> | STMA2 | EAME | 5010 | B | Ground |
| Meadowlark, Western | <i>Sturnella neglecta</i> | STNE1 | WEME | 5011 | B | Ground |
| Merganser, Common | <i>Mergus merganser</i> | MEME2 | COME | 1290 | R | Woody Upper Canopy, Ground |
| Merganser, Hooded | <i>Lophodytes cucullatus</i> | LOCU1 | HOME | 1310 | R | Snag, Woody Lower Canopy |
| Merganser, Red-breasted | <i>Mergus serrator</i> | MESE | RBME | 1300 | R | Ground |
| Merlin | <i>Falco columbarius</i> | FACO | MERL | 3570 | A | Woody Upper Canopy, Cliff |
| Mockingbird, Northern | <i>Mimus polyglottos</i> | MIPO | NOMO | 7030 | B | Shrub, Woody Lower Canopy |
| Moorhen, Common | <i>Gallinula chloropus</i> | GACH | COMO | 2190 | R | Floating, Ground |
| Murre, Common | <i>Uria aalge</i> | URAA | COMU | 0300 | R | Cliff |
| Murre, Thick-billed | <i>Uria lomvia</i> | URLO | TBMU | 0310 | R | Cliff |
| Murrelet, Ancient | <i>Synthliboramphus antiquus</i> | SYAN | ANMU | 0210 | R | Ground |
| Murrelet, Kittlitz's | <i>Brachyramphus brevirostris</i> | BRBR | KIMU | 0240 | R | Ground |
| Murrelet, Marbled | <i>Brachyramphus marmoratus</i> | BRMA | MAMU | 0230 | R | Ground, Woody Upper Canopy |
| Murrelet, Xantus' | <i>Synthliboramphus hypoleucus</i> | SYHY | XAMU | 0250 | R | Ground |
| Myna, Crested | <i>Acridotheres cristatellus</i> | ACCR | CRMY | 4931 | R | Woody Upper Canopy, MMS |
| Nighthawk, Antillean | <i>Chordeiles gundlachi</i> | CHGU | ANNI | 4201 | D | Ground |
| Nighthawk, Common | <i>Chordeiles minor</i> | CHMI | CONI | 4200 | A | Ground |
| Nighthawk, Lesser | <i>Chordeiles acutipennis</i> | CHAC | LENI | 4210 | A | Ground |
| Nightjar, Buff-collared | <i>Caprimulgus ridgwayi</i> | CARI | BCNI | 4161 | C | Ground |
| Noddy, Brown | <i>Anous stolidus</i> | ANST2 | BRNO | 0790 | R | Shrub, Woody Lower Canopy |
| Nutcracker, Clark's | <i>Nucifraga columbiana</i> | NUCO | CLNU | 4910 | R | Woody Upper Canopy |
| Nuthatch, Brown-headed | <i>Sitta pusilla</i> | SIPU | BHNU | 7290 | R | Snag, Woody Lower Canopy |
| Nuthatch, Pygmy | <i>Sitta pygmaea</i> | SIPY | PYNU | 7300 | R | Woody Upper Canopy, Snag |
| Nuthatch, Red-breasted | <i>Sitta canadensis</i> | SICA1 | RBNU | 7280 | R | Woody Upper Canopy |
| Nuthatch, White-breasted | <i>Sitta carolinensis</i> | SICA2 | WBNU | 7270 | R | Woody Upper Canopy |
| Oldsquaw | <i>Clangula hyemalis</i> | CLHY | OLDS | 1540 | R | Ground |
| Oriole, Altamira | <i>Icterus gularis</i> | ICGU | ALOR | 5031 | R | Woody Upper Canopy |
| Oriole, Audubon's | <i>Icterus graduacauda</i> | ICGR | AUOR | 5030 | R | Woody Lower Canopy |
| Oriole, Hooded | <i>Icterus cucullatus</i> | ICCU | HOOR | 5050 | A | Woody Upper Canopy, Shrub |
| Oriole, Northern | <i>Icterus galbula</i> | ICGA | NOOR* | 5070 | A | Woody Upper Canopy |
| Oriole, Orchard | <i>Icterus spurius</i> | ICSP | OROR | 5060 | A | Woody Upper Canopy, Shrub |
| Oriole, Scott's | <i>Icterus parisorum</i> | ICPA | SCOR | 5040 | A | Woody Lower Canopy, Shrub |
| Oriole, Spot-breasted | <i>Icterus pectoralis</i> | ICPE | SPOO | 5032 | R | Woody Upper Canopy |
| Osprey | <i>Pandion haliaetus</i> | PAHA | OSPR | 3640 | R | Woody Upper Canopy, Cliff |
| Ovenbird | <i>Seiurus aurocapillus</i> | SEAU | OVEN | 6740 | A | Ground, Woody Lower Canopy |
| Owl, Barred | <i>Strix varia</i> | STVA | BAOW | 3680 | R | Snag, Woody Upper Canopy |
| Owl, Boreal | <i>Aegolius funereus</i> | AEFU | BOOW | 3710 | R | Snag, Woody Lower Canopy |

| LCTA CODE | NEST TYPE | FOOD TYPE | FORAGING SUBSTRATE | FORAGING TECHNIQUE | GENERAL HABITAT |
|------------------|------------------|-------------------------|---------------------------|---------------------------------|-------------------------|
| CAMC | Cup | Seeds, Insects | Ground | Ground Gleaner | Grassland, Cropland |
| CAPI | Cup | Insects, Seeds | Ground | Ground Gleaner | Grassland, Tundra |
| GAAR | Platform | Fish, Insects | Water, Ground | Surface Dives, Ground Gleaner | Freshwater, Tundra |
| GAIM | Platform | Fish, Aquatic Inverts | Water | Surface Dives | Freshwater |
| GAPA | Platform | Fish, Insects | Water | Surface Dives | Tundra, Pelagic |
| GAST2 | Saucer, Platform | Fish, Aquatic Inverts | Water | Surface Dives | Freshwater, Tundra |
| GAAD | Saucer | Fish, Aquatic Inverts | Water | Surface Dives | Freshwater, Tundra |
| PIPI | Sphere | Insects, Carrion | Ground | Ground Gleaner | Shrubland, Riparian |
| PINU | Sphere | Insects, Carrion | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest, Riparian |
| ANPL | Scrape | Seeds, Greens | Water | Dabbler | Freshwater, Swamp/Marsh |
| PRSU | Cavity | Insects | Air | Aerial Foraging | Grassland, Urban |
| STMA2 | Cup | Insects, Seeds | Ground | Ground Gleaner | Grassland, Cropland |
| STNE1 | Cup | Insects, Seeds | Ground | Ground Gleaner | Grassland, Cropland |
| MEME2 | Cavity, Crevice | Fish, Aquatic Inverts | Water | Surface Dives | Freshwater, Riparian |
| LOCU1 | Cavity | Fish, Aquatic Inverts | Water | Surface Dives | Freshwater, Swamp/Marsh |
| MESE | Scrape | Fish, Aquatic Inverts | Water | Surface Dives | Freshwater |
| FACO | Platform, Cavity | Birds, Small Mammals | Air | Aerial Pursuit, Hawker | Forest, Grassland |
| MIPO | Cup | Insects, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland, Urban |
| GACH | Platform, Cup | Greens, Aquatic Inverts | Water, Ground | Surface Dips, Ground Gleaner | Swamp/Marsh, Freshwater |
| URAA | None | Fish, Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| URLO | None | Fish, Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| SYAN | Burrow, Crevice | Aquatic Inverts, Fish | Water | Surface Dives | Coastal, Pelagic |
| BRBR | None | Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| BRMA | Saucer | Fish, Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| SYHY | Crevice, Burrow | Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| ACCR | Cavity | Insects, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Grassland, Urban |
| CHGU | None | Insects | Air | Aerial Foraging | Grassland |
| CHMI | None | Insects | Air | Aerial Foraging | Grassland, Urban |
| CHAC | None | Insects | Air | Aerial Foraging | Shrubland, Shrubland |
| CARI | None | Insects | Air | Aerial Foraging | Shrubland, Forest |
| ANST2 | Saucer | Fish | Water | Skimmer | Pelagic, Shoreline |
| NUCO | Cup | Nuts, Seeds | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Forest |
| SIPU | Cavity | Insects, Seeds | Bark, Air | Bark Gleaner, Hawker | Forest |
| SIPY | Cavity | Insects, Seeds | Bark, Air | Bark Gleaner, Hover Gleaner | Forest |
| SICA1 | Cavity | Insects, Seeds | Bark, Air | Bark Gleaner, Hawker | Forest |
| SICA2 | Cavity | Insects, Nuts | Bark | Bark Gleaner | Forest, Forest Edge |
| CLHY | Scrape | Aquatic Inverts, Fish | Water | Surface Dives | Coastal, Tundra |
| ICGU | Pendant | Insects, Fruit | Foliage | Foliage Gleaner | Forest, Shrubland |
| ICGR | Pendant | Insects, Fruit | Foliage | Foliage Gleaner | Shrubland, Riparian |
| ICCU | Pendant | Insects, Nectar | Foliage | Foliage Gleaner | Riparian, Shrubland |
| ICGA | Pendant | Insects, Fruit | Foliage, Air | Foliage Gleaner, Hawker | Forest Edge, Urban |
| ICSP | Pendant | Insects, Fruit | Foliage | Foliage Gleaner | Shrubland, Forest |
| ICPA | Pendant | Insects, Fruit | Foliage | Foliage Gleaner | Shrubland, Riparian |
| ICPE | Pendant | Fruit, Nectar | Foliage | Foliage Gleaner | Forest, Shrubland |
| PAHA | Platform | Fish, Small Mammals | Water | High Dives | Freshwater |
| SEAU | Oven | Insects | Ground | Ground Gleaner | Forest |
| STVA | Cavity | Small Mammals, Birds | Ground | Low Patrol, Hover & Pounce | Forest, Swamp/Marsh |
| AEFU | Cavity | Small Mammals, Birds | Ground | Swooper | Forest, Swamp/Marsh |

| COMMON NAME | SCIENTIFIC NAME | LCTA CODE | ALPHA CODE | AOU# | NEO STAT | NEST LOCATION |
|---------------------------|----------------------------------|-----------|------------|------|----------|----------------------------|
| Owl, Burrowing | <i>Athene cunicularia</i> | ATCU | BUOW | 3780 | A | Ground |
| Owl, Common Barn | <i>Tyto alba</i> | TYAL | COBO | 3650 | R | Snag, MMS |
| Owl, Eastern Screech | <i>Otus asio</i> | OTAS | EASO | 3730 | R | Snag, Woody Upper Canopy |
| Owl, Elf | <i>Micrathene whitneyi</i> | MIWH | ELOW | 3810 | C | Cactus, Woody Upper Canopy |
| Owl, Ferruginous Pygmy | <i>Glaucidium brasilianum</i> | GLBR | FEPO | 3800 | R | Snag, Woody Lower Canopy |
| Owl, Flammulated | <i>Otus flammeolus</i> | OTFL | FLOW | 3740 | A | Snag |
| Owl, Great Gray | <i>Strix nebulosa</i> | STNE | GGOW | 3700 | R | Woody Upper Canopy |
| Owl, Great Horned | <i>Bubo virginianus</i> | BUVI | GHOW | 3750 | R | Woody Upper Canopy, Cliff |
| Owl, Long-eared | <i>Asio otus</i> | ASOT | LEOW | 3660 | B | Woody Upper Canopy, Ground |
| Owl, Northern Hawk | <i>Surnia ulula</i> | SUUL | NOHO | 3770 | R | Snag, Woody Upper Canopy |
| Owl, Northern Pygmy | <i>Glaucidium gnoma</i> | GLGN | NOPO | 3790 | R | Snag, Woody Lower Canopy |
| Owl, Northern Saw-whet | <i>Aegolius acadicus</i> | AEAC | NSWO | 3720 | R | Snag, Woody Upper Canopy |
| Owl, Short-eared | <i>Asio flammeus</i> | ASFL | SEOW | 3670 | B | Ground |
| Owl, Snowy | <i>Nyctea scandiaca</i> | NYSC | SNOW | 3760 | R | Ground |
| Owl, Spotted | <i>Strix occidentalis</i> | STOC1 | SPOW | 3690 | R | Woody Upper Canopy, Cliff |
| Owl, Western Screech | <i>Otus kennicotti</i> | OTKE | WESO | 3732 | R | Snag, Woody Upper Canopy |
| Owl, Whiskered Screech | <i>Otus trichopsis</i> | OTTR | WHSO | 3731 | R | Snag |
| Oystercatcher, American | <i>Haematopus palliatus</i> | HAPA | AMOY | 2860 | R | Ground |
| Oystercatcher, Black | <i>Haematopus bachmani</i> | HABA | BLOY | 2870 | R | Ground |
| Partridge, Gray | <i>Perdix perdix</i> | PEPE | GRPA* | 2881 | R | Ground |
| Parula, Northern | <i>Parula americana</i> | PAAM | NOPA | 6480 | A | Woody Upper Canopy |
| Parula, Tropical | <i>Parula pitiayumi</i> | PAPI | TRPA | 6490 | R | Woody Upper Canopy |
| Pauraque, Common | <i>Nyctidromus albicollis</i> | NYAL | COPA | 4190 | R | Ground |
| Pelican, American White | <i>Pelecanus erythrorhynchos</i> | PEER | AWPE | 1250 | R | Ground |
| Pelican, Brown | <i>Pelecanus occidentalis</i> | PEOC | BRPE | 1260 | R | Woody Upper Canopy, Cliff |
| Petrel, Ashy Storm | <i>Oceanodroma homochroa</i> | OCHO | ASSP | 1080 | R | Ground |
| Petrel, Black Storm | <i>Oceanodroma melania</i> | OCME | BLSP | 1070 | R | Ground, Cliff |
| Petrel, British Storm | <i>Hydrobates pelagicus</i> | HYPE | BHSP* | 1040 | R | Ground, Cliff |
| Petrel, Fork-tailed Storm | <i>Oceanodroma furcata</i> | OCFU | FTSP | 1050 | R | Cliff |
| Petrel, Leach's Storm | <i>Oceanodroma leucorhoa</i> | OCLE | LHSP | 1060 | R | Ground, Bank |
| Petrel, Least Storm | <i>Oceanodroma microsoma</i> | OCMI | LTSP | 1030 | R | Ground, Cliff |
| Petrel, Wilson's Storm | <i>Oceanites oceanicus</i> | OCOC | WISP | 1090 | R | Ground, Cliff |
| Pewee, Eastern Wood | <i>Contopus virens</i> | COV11 | EAWP | 4610 | A | Woody Upper Canopy |
| Pewee, Greater | <i>Contopus pertinax</i> | COPE | GRPE | 4600 | C | Woody Upper Canopy |
| Pewee, Western Wood | <i>Contopus sordidulus</i> | COSO | WEWP | 4620 | A | Woody Upper Canopy |
| Phainopepla | <i>Phainopepla nitens</i> | PHNI | PHAI | 6200 | A | Woody Upper Canopy, Shrub |
| Phalarope, Red | <i>Phalaropus fulicarius</i> | PHFU | REPH | 2220 | R | Ground |
| Phalarope, Red-necked | <i>Phalaropus lobatus</i> | PHLO | RNPH | 2230 | R | Ground |
| Phalarope, Wilson's | <i>Phalaropus tricolor</i> | PHTR | WIPH | 2240 | R | Ground |
| Pheasant, Ring-necked | <i>Phasianus colchicus</i> | PHCO | RNPS* | 3091 | R | Ground |
| Phoebe, Black | <i>Sayornis nigricans</i> | SANI | BLPH | 4580 | R | Cliff, MMS |
| Phoebe, Eastern | <i>Sayornis phoebe</i> | SAPH | EAPH | 4560 | B | MMS, Cliff |
| Phoebe, Say's | <i>Sayornis saya</i> | SASA | SAPH | 4570 | B | Cliff, MMS |
| Pigeon, Band-tailed | <i>Columba fasciata</i> | COFA | BTPI | 3120 | A | Woody Upper Canopy |
| Pigeon, Red-billed | <i>Columba flavirostris</i> | COFL1 | RBPI | 3130 | R | Woody Upper Canopy |
| Pigeon, White-crowned | <i>Columba leucocephala</i> | COLE | WCPI | 3140 | D | Woody Lower Canopy |
| Pintail, Northern | <i>Anas acuta</i> | ANAC | NOPI | 1430 | R | Ground |
| Pipit, Red-throated | <i>Anthus cervinus</i> | ANCE | RTPI | 6990 | R | Ground |

| LCTA CODE | NEST TYPE | FOOD TYPE | FORAGING SUBSTRATE | FORAGING TECHNIQUE | GENERAL HABITAT |
|------------------|------------------|--------------------------|---------------------------|---------------------------------|-------------------------|
| ATCU | Burrow | Insects, Small Mammals | Ground | Swooper, Hover & Pounce | Grassland, Urban |
| TYAL | Cavity | Small Mammals, Birds | Ground | Low Patrol, Swooper | Grassland, Urban |
| OTAS | Cavity | Insects, Small Verts | Ground | Swooper | Forest, Riparian |
| MIWH | Cavity | Insects | Ground | Low Patrol, Hover & Pounce | Desert, Shrubland |
| GLBR | Cavity | Insects, Small Verts | Ground | Swooper | Desert, Shrubland |
| OTFL | Cavity | Insects | Air, Bark | Hawker, Bark Gleaner | Forest |
| STNE | Abandoned | Small Mammals, Birds | Ground | Hover & Pounce, Swooper | Forest, Swamp/Marsh |
| BUVI | Abandoned | Small Mammals, Birds | Ground | Swooper | Forest, Swamp/Marsh |
| ASOT | Abandoned | Small Mammals, Birds | Ground | Low Patrol | Forest, Urban |
| SUUL | Cavity, Platform | Small Mammals, Birds | Ground | Swooper, Hover & Pounce | Forest, Swamp/Marsh |
| GLGN | Cavity | Small Mammals, Insects | Ground | Swooper | Forest |
| AEAC | Cavity | Small Mammals, Birds | Ground | Swooper | Forest, Swamp/Marsh |
| ASFL | Scrape | Small Mammals, Birds | Ground | Low Patrol, Swooper | Grassland, Swamp/Marsh |
| NYSC | Scrape | Small Mammals, Birds | Ground | Swooper | Tundra, Rocky Slope |
| STOC1 | Cavity, Platform | Small Mammals, Birds | Ground | Swooper | Forest |
| OTKE | Cavity | Small Mammals, Insects | Ground | Swooper | Riparian, Shrubland |
| OTTR | Cavity | Insects | Ground | Swooper | Forest |
| HAPA | Scrape | Aquatic Inverts, Fish | Water | Prober | Coastal, Pelagic |
| HABA | Scrape | Aquatic Inverts, Fish | Water | Prober | Coastal, Pelagic |
| PEPE | Scrape | Seeds, Insects | Ground | Ground Gleaner | Grassland |
| PAAM | Pendant | Insects | Foliage, Air | Foliage Gleaner, Hover Gleaner | Forest |
| PAPI | Pendant | Insects | Foliage, Air | Foliage Gleaner, Hawker | Forest |
| NYAL | None | Insects | Air | Aerial Foraging, Hawker | Forest, Forest Edge |
| PEER | Scrape | Fish, Aquatic Inverts | Water | Surface Dips | Coastal, Pelagic |
| PEOC | Saucer | Fish | Water | High Dives | Coastal, Pelagic |
| OCHO | Burrow, Crevice | Fish, Aquatic Inverts | Water | Low Patrol, Surface Dips | Coastal, Pelagic |
| OCME | Crevice | Aquatic Inverts, Carrion | Water | Scavenger, Low Patrol | Coastal, Pelagic |
| HYPE | Burrow, Crevice | Fish, Aquatic Inverts | Water | Scavenger, Low Patrol | Coastal, Pelagic |
| OCFU | Burrow | Fish, Aquatic Inverts | Water | Scavenger, Low Patrol | Coastal, Pelagic |
| OCLE | Burrow | Fish, Aquatic Inverts | Water | Scavenger, Low Patrol | Coastal, Pelagic |
| OCMI | Burrow, Crevice | Greens, Aquatic Inverts | Water | Low Patrol | Coastal, Pelagic |
| OCOC | Burrow, Crevice | Greens, Fish | Water | Scavenger, Low Patrol | Coastal, Pelagic |
| COV11 | Cup | Insects, Fruit | Air | Hawker, Hover Gleaner | Forest, Forest Edge |
| COPE | Cup | Insects | Air | Hawker | Forest |
| COSO | Cup | Insects, Fruit | Air | Hawker, Hover Gleaner | Forest, Forest Edge |
| PHNI | Cup | Fruit, Insects | Foliage, Air | Foliage Gleaner, Hawker | Shrubland, Riparian |
| PHFU | Scrape | Aquatic Inverts, Insects | Water | Surface Dips, Prober | Freshwater, Tundra |
| PHLO | Scrape | Aquatic Inverts, Seeds | Water | Surface Dips, Prober | Freshwater |
| PHTR | Scrape | Aquatic Inverts, Seeds | Water | Surface Dips, Prober | Swamp/Marsh |
| PHCO | Scrape | Insects, Seeds | Ground | Ground Gleaner | Grassland, Cropland |
| SANI | Cup | Insects, Fish | Air | Hawker, Hover Gleaner | Riparian, Urban |
| SAPH | Cup | Insects, Fish | Air | Hawker | Riparian, Urban |
| SASA | Cup | Insects, Fruit | Air | Hawker, Hover Gleaner | Grassland, Forest |
| COFA | Platform | Nuts, Fruit | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Forest |
| COFL1 | Platform | Seeds, Nuts | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Forest, Riparian |
| COLE | Platform | Fruit | Foliage | Foliage Gleaner | Swamp/Marsh |
| ANAC | Scrape | Seeds, Greens | Water, Ground | Dabbler, Ground Gleaner | Swamp/Marsh, Freshwater |
| ANCE | Cup | Insects, Seeds | Ground | Ground Gleaner | Tundra, Rocky Slope |

| COMMON NAME | SCIENTIFIC NAME | LCTA CODE | ALPHA CODE | AOU# | NEO STAT | NEST LOCATION |
|--------------------------|-----------------------------------|--------------|---------------|------|-------------|---------------------------|
| Pipit, Sprague's | <i>Anthus spragueii</i> | ANSP1 | SPPI | 7000 | B | Ground |
| Pipit, Water | <i>Anthus spinoletta</i> | ANSP | WAPI | 6970 | B | Ground |
| Plover, Black-bellied | <i>Pluvialis squatarola</i> | PLSQ | BBPL | 2700 | R | Ground |
| Plover, Common Ringed | <i>Charadrius hiaticula</i> | CHHI | CRPL | 2750 | R | Ground |
| Plover, Lesser Golden | <i>Pluvialis dominica</i> | PLDO1 | LEGP | 2720 | R | Ground |
| Plover, Mongolian | <i>Charadrius mongolus</i> | CHMO | MOPL | 2790 | R | Ground |
| Plover, Mountain | <i>Charadrius montanus</i> | CHMO1 | MOUP | 2810 | A | Ground |
| Plover, Piping | <i>Charadrius melodus</i> | CHME | PIPL | 2770 | R | Ground |
| Plover, Semipalmated | <i>Charadrius semipalmatus</i> | CHSE | SEPL | 2740 | R | Ground |
| Plover, Snowy | <i>Charadrius alexandrinus</i> | CHAL | SNPL | 2780 | R | Ground |
| Plover, Wilson's | <i>Charadrius wilsonia</i> | CHWI | WIPL | 2800 | R | Ground |
| Poor-will, Common | <i>Phalaenoptilus nuttallii</i> | PHNU | COPW | 4180 | B | Ground |
| Prairie-chicken, Greater | <i>Tympanuchus cupido</i> | TYCU | GRPC* | 3050 | R | Ground |
| Prairie-chicken, Lesser | <i>Tympanuchus pallidicinctus</i> | TYPAL | LEPC* | 3070 | R | Ground |
| Ptarmigan, Rock | <i>Lagopus mutus</i> | LAMU | ROPT* | 3020 | R | Ground |
| Ptarmigan, White-tailed | <i>Lagopus leucurus</i> | LALE | WTPT* | 3040 | R | Ground |
| Ptarmigan, Willow | <i>Lagopus lagopus</i> | LALA | WIPT* | 3010 | R | Ground |
| Puffin, Atlantic | <i>Fratercula arctica</i> | FRAR | ATPU | 0130 | R | Ground, Cliff |
| Puffin, Horned | <i>Fratercula corniculata</i> | FRCO | HOPU | 0140 | R | Ground, Cliff |
| Puffin, Tufted | <i>Fratercula cirrhata</i> | FRCI | TUPU | 0120 | R | Ground, Cliff |
| Pyrrhuloxia | <i>Cardinalis sinuatus</i> | CASI | PYRR | 5940 | R | Shrub, Woody Lower Canopy |
| Quail, California | <i>Callipepla californica</i> | CACA1 | CAQU* | 2940 | R | Ground |
| Quail, Gambel's | <i>Callipepla gambelii</i> | CAGA1 | GAQU* | 2950 | R | Ground |
| Quail, Montezuma | <i>Cyrtonyx montezumae</i> | CYMO1 | MZQU* | 2960 | R | Ground |
| Quail, Mountain | <i>Oreortyx pictus</i> | ORPI | MNQU* | 2920 | R | Ground |
| Quail, Scaled | <i>Callipepla squamata</i> | CASQ | SCQU* | 2930 | R | Ground |
| Rail, Black | <i>Laterallus jamaicensis</i> | LAJA | BLRA | 2160 | R | Ground |
| Rail, Clapper | <i>Rallus longirostris</i> | RALO | CLRA | 2110 | R | Ground |
| Rail, King | <i>Rallus elegans</i> | RAEL | KIRA | 2080 | R | Ground |
| Rail, Virginia | <i>Rallus limicola</i> | RALI | VIRA | 2120 | R | Ground |
| Rail, Yellow | <i>Coturnicops noveboracensis</i> | CONO | YERA | 2150 | R | Ground |
| Raven, Chihuahuan | <i>Corvus cryptoleucus</i> | COCR1 | CHRA | 4870 | R | Woody Upper Canopy, Shrub |
| Raven, Common | <i>Corvus corax</i> | COCO2 | CORA | 4860 | R | Cliff, Woody Upper Canopy |
| Razorbill | <i>Alca torda</i> | ALTO | RAZO | 0320 | R | Cliff |
| Redhead | <i>Aythya americana</i> | AYAM | REDH | 1460 | R | Floating |
| Redpoll, Common | <i>Carduelis flammea</i> | CAFL | CORE | 5280 | R | Shrub, Ground |
| Redpoll, Hoary | <i>Carduelis hornemanni</i> | CAHO | HORE | 5270 | R | Shrub, Ground |
| Redstart, American | <i>Setophaga ruticilla</i> | SERU1 | AMRE | 6870 | A | Woody Lower Canopy, Shrub |
| Redstart, Painted | <i>Myioborus pictus</i> | MYPI | PARE | 6880 | C | Ground, Bank |
| Roadrunner, Greater | <i>Geococcyx californianus</i> | GECA1 | GRRO | 3850 | R | Woody Lower Canopy, Shrub |
| Robin, American | <i>Turdus migratorius</i> | TUMI | AMRO | 7610 | B | Woody Lower Canopy |
| Sanderling | <i>Calidris alba</i> | CAAL | SAND | 2480 | R | Ground |
| Sandpiper, Bairds | <i>Calidris bairdii</i> | CABA | BASA | 2410 | R | Ground |
| Sandpiper, Buff-breasted | <i>Tryngites subruficollis</i> | TRSU | BBSA | 2620 | R | Ground |
| Sandpiper, Curlew | <i>Calidris ferruginea</i> | CAFE | CUSA | 2440 | R | Ground |
| Sandpiper, Least | <i>Calidris minutilla</i> | CAMI1 | LESA | 2420 | R | Ground |
| Sandpiper, Pectoral | <i>Calidris melanotos</i> | CAME1 | PESA | 2390 | R | Ground |
| Sandpiper, Purple | <i>Calidris maritima</i> | CAMA | PUSA | 2350 | R | Ground |

| LCTA CODE | NEST TYPE | FOOD TYPE | FORAGING SUBSTRATE | FORAGING TECHNIQUE | GENERAL HABITAT |
|------------------|------------------|--------------------------|---------------------------|---------------------------------|-------------------------|
| ANSP1 | Cup | Insects, Seeds | Ground | Ground Gleaner | Grassland |
| ANSP | Cup | Insects, Aquatic Inverts | Ground, Air | Ground Gleaner, Hawker | Shoreline, Tundra |
| PLSQ | Scrape | Insects | Ground, Water | Ground Gleaner, Prober | Coastal, Tundra |
| CHHI | Scrape | Insects | Ground, Water | Ground Gleaner, Prober | Coastal, Tundra |
| PLDO1 | Scrape | Insects | Ground, Water | Ground Gleaner, Prober | Coastal, Tundra |
| CHMO | Scrape | Insects | Ground | Ground Gleaner | Coastal, Tundra |
| CHMO1 | Scrape | Insects | Ground, Water | Ground Gleaner | Grassland |
| CHME | Scrape | Aquatic Inverts, Insects | Ground, Water | Ground Gleaner, Prober | Coastal, Freshwater |
| CHSE | Scrape | Aquatic Inverts, Insects | Ground, Water | Ground Gleaner | Coastal, Tundra |
| CHAL | Scrape | Insects, Aquatic Inverts | Ground, Water | Ground Gleaner, Prober | Coastal, Freshwater |
| CHWI | Scrape | Aquatic Inverts, Insects | Water | Prober | Coastal |
| PHNU | Scrape | Insects | Air | Aerial Foraging, Hover Gleaner | Shrubland |
| TYCU | Scrape | Seeds, Insects | Ground | Ground Gleaner | Grassland |
| TYP A | Scrape | Insects, Nuts | Ground | Ground Gleaner | Grassland |
| LAMU | Scrape | Greens, Fruit | Ground | Ground Gleaner | Rocky Slope, Tundra |
| LALE | Scrape | Greens, Insects | Ground | Ground Gleaner | Tundra |
| LALA | Scrape | Greens, Seeds | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Shrubland, Tundra |
| FRAR | Burrow, Crevice | Fish, Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| FRCO | Burrow, Crevice | Fish, Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| FRCI | Burrow, Crevice | Fish, Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| CASI | Cup | Seeds, Insects | Ground | Ground Gleaner | Shrubland |
| CACA1 | Scrape | Seeds, Nuts | Ground | Ground Gleaner | Shrubland, Cropland |
| CAGA1 | Scrape | Seeds, Greens | Ground | Ground Gleaner, Foliage Browser | Shrubland, Riparian |
| CYMO1 | Scrape | Greens, Insects | Ground | Digging, Ground Gleaner | Forest |
| ORPI | Scrape | Seeds, Insects | Ground | Ground Gleaner | Forest, Shrubland |
| CASQ | Scrape | Seeds, Greens | Ground | Ground Gleaner, Foliage Browser | Shrubland, Grassland |
| LAJA | Cup | Insects, Seeds | Water, Ground | Prober, Ground Gleaner | Swamp/Marsh |
| RALO | Platform | Aquatic Inverts, Insects | Water, Ground | Prober, Ground Gleaner | Swamp/Marsh |
| RAEL | Platform | Aquatic Inverts, Insects | Water, Ground | Prober, Ground Gleaner | Swamp/Marsh |
| RALI | Saucer | Insects, Aquatic Inverts | Water, Ground | Prober, Ground Gleaner | Swamp/Marsh |
| CONO | Saucer | Aquatic Inverts, Insects | Water, Ground | Prober, Ground Gleaner | Swamp/Marsh, Freshwater |
| COCR1 | Cup | Insects, Carrion | Ground | Scavenger, Ground Gleaner | Grassland, Shrubland |
| COCO2 | Cup | Carrion, Small Verts | Ground | Scavenger, Ground Gleaner | Forest, Grassland |
| ALTO | Crevice | Fish, Aquatic Inverts | Water | Surface Dives | Coastal, Pelagic |
| AYAM | Cup | Greens, Aquatic Inverts | Water | Surface Dives | Swamp/Marsh, Freshwater |
| CAFL | Cup, Crevice | Seeds, Insects | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Forest, Tundra |
| CAHO | Cup, Crevice | Seeds, Insects | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Shrubland, Tundra |
| SERU1 | Cup | Insects, Seeds | Air, Foliage | Hover Gleaner, Foliage Gleaner | Forest, Forest Edge |
| MYPI | Cup | Insects | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest, Riparian |
| GECA1 | Platform | Insects, Small Mammals | Ground | Ground Gleaner | Shrubland, Desert |
| TUMI | Cup | Insects | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest, Urban |
| CAAL | Scrape | Insects, Greens | Water, Ground | Prober, Ground Gleaner | Coastal, Tundra |
| CABA | Scrape | Insects | Ground | Ground Gleaner | Shoreline, Tundra |
| TRSU | Scrape | Insects, Seeds | Ground | Ground Gleaner | Shoreline, Tundra |
| CAFE | Burrow, Scrape | Insects, Aquatic Inverts | Water | Prober | Coastal |
| CAMI1 | Scrape | Insects, Aquatic Inverts | Ground, Water | Ground Gleaner, Prober | Coastal, Swamp/Marsh |
| CAME1 | Scrape | Insects | Water, Ground | Prober, Ground Gleaner | Coastal, Tundra |
| CAMA | Scrape | Insects, Aquatic Inverts | Ground, Water | Ground Gleaner, Prober | Coastal, Tundra |

| COMMON NAME | SCIENTIFIC NAME | LCTA CODE | ALPHA CODE | AOU# | NEO STAT | NEST LOCATION |
|---------------------------|--------------------------------|-----------|------------|------|----------|----------------------------|
| Sandpiper, Rock | <i>Calidris ptilocnemis</i> | CAPT | ROSA | 2360 | R | Ground |
| Sandpiper, Semipalmated | <i>Calidris pusilla</i> | CAPU | SESA | 2460 | R | Ground |
| Sandpiper, Solitary | <i>Tringa solitaria</i> | TRSO | SOSA | 2560 | R | Woody Upper Canopy |
| Sandpiper, Spotted | <i>Actitis macularia</i> | ACMA | SPSA | 2630 | R | Ground |
| Sandpiper, Stilt | <i>Calidris himantopus</i> | CAHI | STSA | 2330 | R | Ground |
| Sandpiper, Upland | <i>Bartramia longicauda</i> | BALO | UPSA | 2610 | A | Ground |
| Sandpiper, Western | <i>Calidris mauri</i> | CAMA1 | WESA | 2470 | R | Ground |
| Sandpiper, White-rumped | <i>Calidris fuscicollis</i> | CAFU | WRSA | 2400 | R | Ground |
| Sandpiper, Wood | <i>Tringa glareola</i> | TRGL | WOSA* | 2571 | R | Ground, Woody Lower Canopy |
| Sapsucker, Red-breasted | <i>Sphyrapicus ruber</i> | SPRU | RBSA | 4030 | B | Woody Upper Canopy, Snag |
| Sapsucker, Red-naped | <i>Sphyrapicus nuehalis</i> | SPNU | RNSA | 4021 | B | Woody Lower Canopy |
| Sapsucker, Williamson's | <i>Sphyrapicus thyroideus</i> | SPTH | WISA | 4040 | B | Woody Upper Canopy |
| Sapsucker, Yellow-bellied | <i>Sphyrapicus varius</i> | SPVA1 | YBSA | 4020 | B | Woody Upper Canopy |
| Scaup, Greater | <i>Aythya marila</i> | AYMA | GRSC | 1480 | R | Ground, Floating |
| Scaup, Lesser | <i>Aythya affinis</i> | AYAF | LESC | 1490 | R | Ground |
| Scoter, Black | <i>Melanitta nigra</i> | MENI | BLSC | 1630 | R | Ground |
| Scoter, Surf | <i>Melanitta perspicillata</i> | MEPE | SUSC | 1660 | R | Ground |
| Scoter, White-winged | <i>Melanitta fusca</i> | MEFU | WWSC | 1650 | R | Ground |
| Shearwater, Audubon's | <i>Puffinus lherminieri</i> | PULH | AUSH | 0920 | R | Ground, Cliff |
| Shearwater, Black-vented | <i>Puffinus opisthomelas</i> | PUOP | BVSH | 0930 | R | Ground, Cliff |
| Shearwater, Buller's | <i>Puffinus bulleri</i> | PUBU | BUSH | 0962 | R | Ground |
| Shearwater, Cory's | <i>Calonectris diomedea</i> | CADI | COSH | 0880 | R | Ground, Cliff |
| Shearwater, Greater | <i>Puffinus gravis</i> | PUGR | GRSH | 0890 | R | Ground |
| Shearwater, Manx | <i>Puffinus puffinus</i> | PUPU | MASH | 0900 | R | Cliff |
| Shearwater, Pink-footed | <i>Puffinus creatopus</i> | PUCR | PFSH | 0910 | R | Ground |
| Shearwater, Short-tailed | <i>Puffinus tenuirostris</i> | PUTE | SHOS | 0960 | R | Ground |
| Shearwater, Sooty | <i>Puffinus griseus</i> | PUGR1 | SOSH | 0950 | R | Ground |
| Shoveler, Northern | <i>Anas clypeata</i> | ANCL | NSHO | 1420 | R | Ground |
| Shrike, Loggerhead | <i>Lanius ludovicianus</i> | LALU | LOSH | 6220 | B | Woody Lower Canopy, Shrub |
| Shrike, Northern | <i>Lanius excubitor</i> | LAEX | NSHR | 6210 | R | Woody Lower Canopy |
| Siskin, Pine | <i>Carduelis pinus</i> | CAP11 | PISI | 5330 | B | Woody Upper Canopy |
| Skimmer, Black | <i>Rynchops niger</i> | RYNI | BLSK | 0800 | R | Ground |
| Skua, Great | <i>Catharacta skua</i> | CASK | GRSK | 0350 | R | Ground, Cliff |
| Skua, South Polar | <i>Catharacta maccormicki</i> | CAMA3 | SPSK | 0352 | R | Ground, Cliff |
| Skylark, Eurasian | <i>Alauda arvensis</i> | ALAR | EUSK | 4730 | R | Ground |
| Snipe, Common | <i>Gallinago gallinago</i> | GAGA | COSN | 2300 | R | Ground |
| Solitaire, Townsend's | <i>Myadestes townsendi</i> | MYTO | TOSO | 7540 | B | Ground, Snag |
| Sora | <i>Porzana carolina</i> | POCA1 | SORA | 2140 | R | Floating, Ground |
| Sparrow, American Tree | <i>Spizella arborea</i> | SPAR2 | ATSP | 5590 | R | Ground, Shrub |
| Sparrow, Bachman's | <i>Aimophila aestivalis</i> | AIAE | BACS | 5750 | R | Ground |
| Sparrow, Baird's | <i>Ammodramus bairdii</i> | AMBA | BAIS | 5450 | A | Ground |
| Sparrow, Black-chinned | <i>Spizella atrogularis</i> | SPAT | BCSP | 5650 | A | Shrub, Woody Lower Canopy |
| Sparrow, Black-throated | <i>Amphispiza bilineata</i> | AMBI | BTSP | 5730 | B | Shrub, Cactus |
| Sparrow, Botteri's | <i>Aimophila botterii</i> | AIBO | BOSP | 5760 | C | Ground |
| Sparrow, Brewer's | <i>Spizella breweri</i> | SPBR1 | BRSP | 5620 | A | Shrub, Woody Lower Canopy |
| Sparrow, Cassin's | <i>Aimophila cassinii</i> | AICA1 | CASP | 5780 | B | Ground, Shrub |
| Sparrow, Chipping | <i>Spizella passerina</i> | SPPA2 | CHSP | 5600 | A | Woody Lower Canopy |
| Sparrow, Clay-colored | <i>Spizella pallida</i> | SPPA1 | CCSP | 5610 | A | Shrub, Ground |

| LCTA CODE | NEST TYPE | FOOD TYPE | FORAGING SUBSTRATE | FORAGING TECHNIQUE | GENERAL HABITAT |
|------------------|------------------|--------------------------|---------------------------|---------------------------------|-------------------------|
| CAPT | Scrape | Insects, Aquatic Inverts | Water | Prober | Coastal |
| CAPU | Scrape | Insects, Aquatic Inverts | Ground, Water | Ground Gleaner, Prober | Tundra, Coastal |
| TRSO | Cup | Insects, Aquatic Inverts | Water, Ground | Prober, Ground Gleaner | Swamp/Marsh, Freshwater |
| ACMA | Scrape | Insects, Aquatic Inverts | Ground | Ground Gleaner | Shoreline |
| CAHI | Scrape | Aquatic Inverts, Greens | Water | Prober | Tundra, Swamp/Marsh |
| BALO | Scrape | Insects, Seeds | Ground | Ground Gleaner | Grassland, Forest |
| CAMA1 | Scrape | Insects, Aquatic Inverts | Ground, Water | Ground Gleaner, Prober | Coastal |
| CAFU | Scrape | Insects, Seeds | Ground, Water | Ground Gleaner, Prober | Tundra, Coastal |
| TRGL | Saucer | Insects | Water, Ground | Prober, Ground Gleaner | Coastal, Tundra |
| SPRU | Cavity | Insects, Tree Sap | Bark, Air | Bark Gleaner, Hawker | Forest |
| SPNU | Cavity | Insects, Tree Sap | Bark, Air | Bark Gleaner, Hawker | Forest, Riparian |
| SPTH | Cavity | Insects, Tree Sap | Bark, Ground | Bark Gleaner, Ground Gleaner | Forest |
| SPVA1 | Cavity | Insects, Tree Sap | Bark, Air | Bark Gleaner, Hawker | Forest |
| AYMA | Scrape | Aquatic Inverts, Greens | Water | Surface Dives | Freshwater, Swamp/Marsh |
| AYAF | Scrape | Aquatic Inverts, Greens | Water | Surface Dives | Freshwater, Swamp/Marsh |
| MENI | Scrape | Aquatic Inverts, Greens | Water | Surface Dives | Freshwater, Swamp/Marsh |
| MEPE | Scrape | Aquatic Inverts, Greens | Water | Surface Dives | Freshwater, Swamp/Marsh |
| MEFU | Scrape | Aquatic Inverts, Greens | Water | Surface Dives | Freshwater |
| PULH | Burrow, Crevice | Fish, Aquatic Inverts | Water | Scavenger, Low Patrol | Coastal, Pelagic |
| PUOP | Burrow | Fish, Aquatic Inverts | Water | Scavenger, Low Patrol | Coastal, Pelagic |
| PUBU | Burrow | Fish, Aquatic Inverts | Water | Scavenger, Low Patrol | Coastal, Pelagic |
| CADI | Burrow, Crevice | Fish, Aquatic Inverts | Water | Scavenger, Low Patrol | Coastal, Pelagic |
| PUGR | Burrow | Fish, Aquatic Inverts | Water | Scavenger, Low Patrol | Coastal, Pelagic |
| PUPU | Burrow | Fish, Aquatic Inverts | Water | Scavenger, Low Patrol | Coastal, Pelagic |
| PUCR | Burrow | Fish, Aquatic Inverts | Water | Scavenger, Low Patrol | Coastal, Pelagic |
| PUTE | Burrow | Fish | Water | Scavenger, Low Dives | Coastal, Pelagic |
| PUGR1 | Burrow | Fish, Aquatic Inverts | Water | Scavenger, Low Patrol | Coastal, Pelagic |
| ANCL | Scrape | Greens, Aquatic Inverts | Water | Surface Dips | Swamp/Marsh |
| LALU | Cup | Insects, Small Verts | Ground, Air | Swooper, Aerial Pursuit | Shrubland, Forest |
| LAEX | Cup | Birds, Small Mammals | Ground, Air | Swooper, Aerial Pursuit | Forest, Shrubland |
| CAPI1 | Saucer | Seeds, Insects | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Forest, Urban |
| RYNI | Scrape | Fish, Aquatic Inverts | Water | Skimmer | Coastal, Pelagic |
| CASK | Scrape | Fish, Birds | Water, Air | Scavenger, Piracy | Coastal, Pelagic |
| CAMA3 | Scrape | Fish, Birds | Water, Air | Scavenger, Piracy | Coastal, Pelagic |
| ALAR | Saucer | Seeds, Insects | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Grassland |
| GAGA | Scrape | Insects | Water | Prober | Swamp/Marsh |
| MYTO | Cup, Cavity | Insects, Fruit | Air, Foliage | Hawker, Foliage Gleaner | Forest |
| POCA1 | Saucer | Seeds, Insects | Ground, Water | Ground Gleaner, Prober | Swamp/Marsh |
| SPAR2 | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Grassland, Shrubland |
| AIAE | Cup | Seeds, Insects | Ground | Ground Gleaner | Forest, Shrubland |
| AMBA | Cup | Insects, Seeds | Ground | Ground Gleaner | Grassland |
| SPAT | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland |
| AMBI | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland |
| AIBO | Cup | Insects, Seeds | Ground | Ground Gleaner | Grassland, Shrubland |
| SPBR1 | Cup | Insects, Seeds | Ground | Ground Gleaner | Shrubland |
| AICA1 | Cup | Insects, Seeds | Ground | Ground Gleaner | Grassland, Shrubland |
| SPPA2 | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest, Forest Edge |
| SPPA1 | Cup | Insects, Seeds | Ground | Ground Gleaner | Shrubland, Forest Edge |

| COMMON NAME | SCIENTIFIC NAME | LCTA CODE | ALPHA CODE | AOU# | NEO STAT | NEST LOCATION |
|--------------------------------|-----------------------------------|-----------|------------|------|----------|----------------------------|
| Sparrow, Eurasian Tree | <i>Passer montanus</i> | PAMO1 | ETSP | 6883 | R | Woody Upper Canopy |
| Sparrow, Field | <i>Spizella pusilla</i> | SPPU1 | FISP | 5630 | R | Ground, Shrub |
| Sparrow, Five-striped | <i>Amphispiza quinquestriata</i> | AMQU | FSSP | 5742 | R | Shrub, Ground |
| Sparrow, Fox | <i>Passerella iliaca</i> | PAIL | FOSP | 5850 | B | Ground, Shrub |
| Sparrow, Golden-crowned | <i>Zonotrichia atricapilla</i> | ZOAT | GCSP | 5570 | R | Ground, Woody Lower Canopy |
| Sparrow, Grasshopper | <i>Ammodramus savannarum</i> | AMSA | GRSP | 5460 | A | Ground |
| Sparrow, Harris' | <i>Zonotrichia querula</i> | ZOQU | HASP | 5530 | R | Ground |
| Sparrow, Henslow's | <i>Ammodramus henslowii</i> | AMHE | HESP | 5470 | R | Ground |
| Sparrow, House | <i>Passer domesticus</i> | PADO1 | HOSP | 6882 | R | MMS, Woody Upper Canopy |
| Sparrow, Lark | <i>Chondestes grammacus</i> | CHGR | LASP | 5520 | A | Ground, Shrub |
| Sparrow, Le Conte's | <i>Ammodramus leconteii</i> | AMLE | LCSP | 5480 | R | Ground |
| Sparrow, Lincoln's | <i>Melospiza lincolni</i> | MELI | LISP | 5830 | A | Ground |
| Sparrow, Olive | <i>Arremonops rufivirgatus</i> | ARRU | OLSP | 5860 | R | Shrub, Cactus |
| Sparrow, Rufous-crowned | <i>Aimophila ruficeps</i> | AIRU | RCSP | 5800 | R | Ground, Shrub |
| Sparrow, Rufous-winged | <i>Aimophila carpalis</i> | AICA | RWSP | 5790 | R | Shrub, Cactus |
| Sparrow, Sage | <i>Amphispiza belli</i> | AMBE1 | SAGS | 5740 | B | Shrub, Ground |
| Sparrow, Savannah | <i>Passerculus sandwichensis</i> | PASA | SAVS | 5420 | B | Ground |
| Sparrow, Seaside | <i>Ammodramus maritimus</i> | AMMA3 | SESP | 5500 | R | Ground, Shrub |
| Sparrow, Sharp-tailed | <i>Ammodramus caudacutus</i> | AMCA1 | STSP | 5490 | R | Ground, Shrub |
| Sparrow, Song | <i>Melospiza melodia</i> | MEME | SOSP | 5810 | B | Ground, Shrub |
| Sparrow, Swamp | <i>Melospiza georgiana</i> | MEGE | SWSP | 5840 | B | Shrub, Ground |
| Sparrow, Vesper | <i>Pooecetes gramineus</i> | POGR1 | VESP | 5400 | B | Ground |
| Sparrow, White-crowned | <i>Zonotrichia leucophrys</i> | ZOLE | WCSP | 5540 | B | Shrub, Ground |
| Sparrow, White-throated | <i>Zonotrichia albicollis</i> | ZOAL | WTSP | 5580 | B | Ground, Shrub |
| Spoonbill, Roseate | <i>Ajaia ajaja</i> | AJAJ | ROSP | 1830 | R | Woody Lower Canopy, Shrub |
| Starling, European | <i>Sturnus vulgaris</i> | STVU | EUST | 4930 | R | Woody Upper Canopy, MMS |
| Stilt, Black-necked | <i>Himantopus mexicanus</i> | HIME | BNST | 2260 | R | Ground |
| Stork, Wood | <i>Mycteria americana</i> | MYAM | WOST | 1880 | R | Woody Upper Canopy |
| Surfbird | <i>Aphriza virgata</i> | APVI | SURF | 2820 | R | Ground |
| Swallow, Bank | <i>Riparia riparia</i> | RIRI | BANS | 6160 | A | Bank |
| Swallow, Barn | <i>Hirundo rustica</i> | HIRU | BARS | 6130 | A | MMS |
| Swallow, Cave | <i>Hirundo fulva</i> | HIFU | CASW | 6121 | C | Cave, MMS |
| Swallow, Cliff | <i>Hirundo pyrrhonota</i> | HIPY | CLSW | 6120 | A | MMS, Cliff |
| Swallow, Northern Rough-winged | <i>Stelgidopteryx serripennis</i> | STSE | NRWS | 6170 | A | Bank, Cliff |
| Swallow, Tree | <i>Tachycineta bicolor</i> | TABI | TRES | 6140 | B | Snag, Woody Upper Canopy |
| Swallow, Violet-green | <i>Tachycineta thalassina</i> | TATH | VGSW | 6150 | A | Snag, Woody Upper Canopy |
| Swan, Mute | <i>Cygnus olor</i> | CYOL | MUSW | 1782 | R | Ground |
| Swan, Trumpeter | <i>Cygnus buccinator</i> | CYBU | TRUS | 1810 | R | Ground |
| Swan, Whistling | <i>Cygnus columbianus</i> | CYCO1 | WHSW | 1800 | R | Ground |
| Swan, Whooper | <i>Cygnus cygnus</i> | CYCY | WHOS | 1790 | R | Ground |
| Swift, Black | <i>Cypseloides niger</i> | CYNI | BLSW | 4220 | A | Cliff |
| Swift, Chimney | <i>Chaetura pelagica</i> | CHPE | CHSW | 4230 | A | MMS, Woody Upper Canopy |
| Swift, Vaux's | <i>Chaetura vauxi</i> | CHVA | VASW | 4240 | A | Snag, MMS |
| Swift, White-throated | <i>Aeronautes saxatalis</i> | AESA | WTSW | 4250 | A | Cliff |
| Tanager, Hepatic | <i>Piranga flava</i> | PIFL | HETA | 6090 | A | Woody Upper Canopy |
| Tanager, Scarlet | <i>Piranga olivacea</i> | PIOL | SCTA | 6080 | A | Woody Upper Canopy |
| Tanager, Summer | <i>Piranga rubra</i> | PIRU | SUTA | 6100 | A | Woody Upper Canopy |
| Tanager, Western | <i>Piranga ludoviciana</i> | PILU | WETA | 6070 | A | Woody Upper Canopy |

| LCTA CODE | NEST TYPE | FOOD TYPE | FORAGING SUBSTRATE | FORAGING TECHNIQUE | GENERAL HABITAT |
|------------------|------------------|--------------------------|---------------------------|----------------------------------|-------------------------|
| PAMO1 | Cavity | Seeds, Insects | Ground | Ground Gleaner | Forest, Urban |
| SPPU1 | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland, Forest Edge |
| AMQU | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland, Grassland |
| PAIL | Cup | Insects, Seeds | Ground | Ground Gleaner | Forest, Forest Edge |
| ZOAT | Cup | Insects, Seeds | Ground | Ground Gleaner | Shrubland |
| AMSA | Cup | Insects, Seeds | Ground | Ground Gleaner | Grassland, Cropland |
| ZOQU | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland, Forest |
| AMHE | Cup | Insects, Seeds | Ground | Ground Gleaner | Grassland, Shrubland |
| PADO1 | Cavity, Sphere | Seeds, Insects | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Urban, Cropland |
| CHGR | Cup | Seeds, Insects | Ground | Ground Gleaner | Grassland, Shrubland |
| AMLE | Cup | Insects, Seeds | Ground | Ground Gleaner | Swamp/Marsh |
| MELI | Cup | Insects, Seeds | Ground | Ground Gleaner | Swamp/Marsh, Riparian |
| ARRU | Sphere | Insects, Seeds | Ground | Ground Gleaner | Shrubland, Riparian |
| AIRU | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland, Grassland |
| AICA | Cup | Insects, Seeds | Foliage, Air | Foliage Gleaner, Hawker | Shrubland, Grassland |
| AMBE1 | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland |
| PASA | Cup | Insects, Seeds | Ground | Ground Gleaner | Grassland, Swamp/Marsh |
| AMMA3 | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Swamp/Marsh |
| AMCA1 | Cup | Insects, Seeds | Ground | Ground Gleaner | Swamp/Marsh |
| MEME | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Riparian, Forest Edge |
| MEGE | Cup | Insects, Seeds | Ground | Ground Gleaner | Swamp/Marsh |
| POGR1 | Cup | Insects, Seeds | Ground | Ground Gleaner | Grassland, Shrubland |
| ZOLE | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland, Urban |
| ZOAL | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest, Forest Edge |
| AJAJ | Platform | Fish, Aquatic Inverts | Water | Prober | Swamp/Marsh, Freshwater |
| STVU | Cavity | Insects, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Grassland, Urban |
| HIME | Scrape | Aquatic Inverts, Insects | Water, Ground | Prober, Ground Gleaner | Swamp/Marsh, Freshwater |
| MYAM | Platform | Fish, Aquatic Inverts | Water | Prober | Swamp/Marsh, Riparian |
| APVI | Scrape | Insects, Aquatic Inverts | Ground, Water | Ground Gleaner, Prober | Coastal |
| RIRI | Burrow | Insects | Air | Aerial Foraging | Freshwater, Grassland |
| HIRU | Cup | Insects, Fruit | Air | Aerial Foraging | Freshwater, Grassland |
| HIFU | Cup | Insects | Air | Aerial Foraging | Freshwater, Grassland |
| HIPY | Cup | Insects, Fruit | Air | Aerial Foraging | Freshwater, Grassland |
| STSE | Burrow, Crevice | Insects | Air | Aerial Foraging | Freshwater, Grassland |
| TABI | Cavity | Insects, Fruit | Air, Foliage | Aerial Foraging, Foliage Gleaner | Freshwater, Grassland |
| TATH | Cavity | Insects | Air | Aerial Foraging | Forest |
| CYOL | Platform | Greens, Aquatic Inverts | Water | Surface Dips, Dabbler | Freshwater, Swamp/Marsh |
| CYBU | Platform | Greens, Aquatic Inverts | Water | Surface Dips, Dabbler | Freshwater, Swamp/Marsh |
| CYCO1 | Platform | Greens, Aquatic Inverts | Water | Surface Dips, Dabbler | Freshwater, Tundra |
| CYCY | Platform | Greens, Aquatic Inverts | Water | Surface Dips, Dabbler | Coastal, Tundra |
| CYNI | Saucer | Insects | Air | Aerial Foraging | Rocky Slope, Shoreline |
| CHPE | Saucer | Insects | Air | Aerial Foraging | Forest, Urban |
| CHVA | Saucer | Insects | Air | Aerial Foraging | Forest |
| AESA | Crevice | Insects | Air | Aerial Foraging | Rocky Slope, Shoreline |
| PIFL | Saucer | Insects, Fruit | Foliage, Air | Foliage Gleaner, Hawker | Forest, Riparian |
| PIOL | Saucer | Insects, Fruit | Air, Foliage | Hover Gleaner, Foliage Gleaner | Forest |
| PIRU | Cup | Insects, Fruit | Foliage, Air | Foliage Gleaner, Hawker | Forest, Riparian |
| PILU | Cup | Insects, Fruit | Foliage, Air | Foliage Gleaner, Hawker | Forest |

| COMMON NAME | SCIENTIFIC NAME | LCTA CODE | ALPHA CODE | AOU# | NEO STAT | NEST LOCATION |
|--------------------------|--------------------------------------|-----------|------------|------|----------|----------------------------|
| Tattler, Wandering | <i>Heteroscelus incanus</i> | HEIN | WATA | 2590 | R | Ground |
| Teal, Blue-winged | <i>Anas discors</i> | ANDI | BWTE | 1400 | R | Ground |
| Teal, Cinnamon | <i>Anas cyanoptera</i> | ANCY | CITE | 1410 | R | Ground |
| Teal, Green-winged | <i>Anas crecca</i> | ANCR | AGWT | 1390 | R | Ground |
| Tern, Aleutian | <i>Sterna aleutica</i> | STAL1 | ALTE | 0730 | R | Ground |
| Tern, Arctic | <i>Sterna paradisaea</i> | STPA1 | ARTE | 0710 | R | Ground |
| Tern, Black | <i>Chlidonias niger</i> | CHNI | BLTE | 0770 | R | Floating, Ground |
| Tern, Caspian | <i>Sterna caspia</i> | STCA1 | CATE | 0640 | R | Ground |
| Tern, Common | <i>Sterna hirundo</i> | STHI | COTE | 0700 | R | Ground |
| Tern, Elegant | <i>Sterna elegans</i> | STEL | ELTE | 0660 | R | Ground |
| Tern, Forster's | <i>Sterna forsteri</i> | STFO | FOTE | 0690 | R | Floating, Ground |
| Tern, Gull-billed | <i>Sterna nilotica</i> | STNI | GBTE | 0630 | R | Ground, Floating |
| Tern, Least | <i>Sterna antillarum</i> | STAN1 | LETE | 0740 | R | Ground |
| Tern, Roseate | <i>Sterna dougallii</i> | STDO | ROST | 0720 | R | Ground |
| Tern, Royal | <i>Sterna maxima</i> | STMA1 | ROYT | 0650 | R | Ground |
| Tern, Sandwich | <i>Sterna sandvicensis</i> | STSA | SATE | 0670 | R | Ground |
| Tern, Sooty | <i>Sterna fuscata</i> | STFU | SOTE | 0750 | R | Ground |
| Thrasher, Bendire's | <i>Toxostoma bendirei</i> | TOBE | BETH | 7080 | B | Shrub, Woody Lower Canopy |
| Thrasher, Brown | <i>Toxostoma rufum</i> | TORU | BRTH | 7050 | R | Shrub, Woody Lower Canopy |
| Thrasher, California | <i>Toxostoma redivivum</i> | TORE | CATH | 7100 | R | Shrub, Woody Lower Canopy |
| Thrasher, Crissal | <i>Toxostoma dorsale</i> | TODD | CRTH | 7120 | R | Shrub, Woody Lower Canopy |
| Thrasher, Curve-billed | <i>Toxostoma curvirostre</i> | TOCU | CBTH | 7070 | R | Shrub, Woody Lower Canopy |
| Thrasher, Le Conte's | <i>Toxostoma lecontei</i> | TOLE | LCTH | 7110 | R | Shrub, Woody Lower Canopy |
| Thrasher, Long-billed | <i>Toxostoma longirostre</i> | TOLO | LBTH | 7060 | R | Shrub, Woody Lower Canopy |
| Thrasher, Sage | <i>Oreoscoptes montanus</i> | ORMO | SATH | 7020 | B | Shrub, Ground |
| Thrush, Gray-cheeked | <i>Catharus minimus</i> | CAMI2 | GCTH | 7570 | A | Shrub, Woody Lower Canopy |
| Thrush, Hermit | <i>Catharus guttatus</i> | CAGU | HETH | 7590 | B | Ground, Woody Lower Canopy |
| Thrush, Swainson's | <i>Catharus ustulatus</i> | CAUS | SWTH | 7580 | A | Shrub, Woody Lower Canopy |
| Thrush, Varied | <i>Ixoreus naevius</i> | IXNA | VATH | 7630 | R | Woody Lower Canopy |
| Thrush, Wood | <i>Hylocichla mustelina</i> | HYMU | WOTH | 7550 | A | Woody Upper Canopy |
| Tit, Siberian | <i>Parus cinctus</i> | PACI | SITI | 7390 | R | Snag, Woody Lower Canopy |
| Titmouse, Bridled | <i>Parus wollweberi</i> | PAWO | BRTI | 7340 | R | Woody Lower Canopy, Snag |
| Titmouse, Plain | <i>Parus inornatus</i> | PAIN | PLTI | 7330 | R | Woody Lower Canopy, Snag |
| Titmouse, Tufted | <i>Parus bicolor</i> | PABI | TUTI* | 7310 | R | Woody Upper Canopy, Snag |
| Towhee, Abert's | <i>Pipilo aberti</i> | PIAB | ABTO | 5920 | R | Shrub, Woody Lower Canopy |
| Towhee, Brown | <i>Pipilo fuscus</i> | PIFU | BRTO | 5910 | R | Shrub, Woody Lower Canopy |
| Towhee, Green-tailed | <i>Pipilo chlorurus</i> | PICH | GTTO | 5900 | A | Shrub, Ground |
| Towhee, Rufous-sided | <i>Pipilo erythrophthalmus</i> | PIER | RSTO | 5870 | B | Ground, Shrub |
| Trogon, Elegant | <i>Trogon elegans</i> | TREL | ELTR | 3890 | C | Snag, Bank |
| Tropicbird, Red-billed | <i>Phaethon aethereus</i> | PHAE | RBTR | 1130 | R | Ground, Cliff |
| Tropicbird, White-tailed | <i>Phaethon lepturus</i> | PHLE | WTTR | 1120 | R | Ground, Cliff |
| Turkey, Wild | <i>Meleagris gallopavo</i> | MEGA | WITU* | 3100 | R | Ground |
| Turnstone, Black | <i>Arenaria melanocephala</i> | ARME | BLTU | 2840 | R | Ground |
| Turnstone, Ruddy | <i>Arenaria interpres</i> | ARIN | RUTU | 2830 | R | Ground |
| Tyrannulet, Beardless | Northern <i>Campptostoma imberbe</i> | CAIM | NBTY | 4720 | C | Woody Upper Canopy |
| Veery | <i>Catharus fuscescens</i> | CAFU2 | VEER | 7560 | A | Ground, Shrub |
| Verdin | <i>Auriparus flaviceps</i> | AUFL | VERD | 7460 | R | Shrub, Cactus |
| Vireo, Bell's | <i>Vireo bellii</i> | VIBE | BEVI | 6330 | A | Shrub, Woody Lower Canopy |

| LCTA CODE | NEST TYPE | FOOD TYPE | FORAGING SUBSTRATE | FORAGING TECHNIQUE | GENERAL HABITAT |
|------------------|------------------|--------------------------|---------------------------|---------------------------------|-------------------------|
| HEIN | Scrape | Insects, Aquatic Inverts | Water | Prober | Freshwater, Riparian |
| ANDI | Scrape | Seeds, Greens | Water | Surface Dips, Dabbler | Freshwater, Swamp/Marsh |
| ANCY | Scrape | Seeds, Insects | Water | Surface Dips, Dabbler | Swamp/Marsh, Freshwater |
| ANCR | Scrape | Seeds, Aquatic Inverts | Ground, Water | Ground Gleaner, Dabbler | Swamp/Marsh, Freshwater |
| STAL1 | Scrape | Fish, Aquatic Inverts | Water | High Dives | Coastal, Pelagic |
| STPA1 | Scrape | Fish, Aquatic Inverts | Water | High Dives | Tundra, Coastal |
| CHNI | Platform, Scrape | Insects, Aquatic Inverts | Air, Water | Hawker, Skimmer | Swamp/Marsh |
| STCA1 | Scrape | Fish, Aquatic Inverts | Water | High Dives | Coastal, Freshwater |
| STHI | Scrape | Fish, Aquatic Inverts | Water | High Dives | Coastal, Tundra |
| STEL | Scrape | Fish | Water | Scavenger, High Dives | Coastal, Pelagic |
| STFO | Platform, Saucer | Fish, Insects | Water, Air | High Dives, Aerial Foraging | Swamp/Marsh |
| STNI | Scrape | Insects, Aquatic Inverts | Air, Ground | Hawker, Hover & Pounce | Shoreline, Pelagic |
| STAN1 | Scrape | Fish, Aquatic Inverts | Water | High Dives, Skimmer | Coastal, Freshwater |
| STDO | Scrape | Fish, Aquatic Inverts | Water | High Dives | Coastal, Freshwater |
| STMA1 | Scrape | Fish, Aquatic Inverts | Water | High Dives, Skimmer | Coastal |
| STSA | Scrape | Fish, Aquatic Inverts | Water | High Dives, Skimmer | Coastal |
| STFU | Scrape | Fish, Aquatic Inverts | Water | Hover & Pick | Coastal, Freshwater |
| TOBE | Cup | Insects, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland |
| TORU | Cup | Insects, Small Verts | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland, Forest Edge |
| TORE | Cup | Insects, Fruit | Ground, Foliage | Digging, Foliage Gleaner | Shrubland, Riparian |
| TODD | Cup | Insects, Fruit | Ground | Digging | Shrubland, Riparian |
| TOCU | Cup | Insects, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland |
| TOLE | Cup | Insects, Small Verts | Ground, Foliage | Digging, Foliage Gleaner | Shrubland |
| TOLO | Cup | Insects, Small Verts | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Shrubland, Riparian |
| ORMO | Cup | Insects, Fruit | Ground | Ground Gleaner | Shrubland |
| CAMI2 | Cup | Insects, Fruit | Ground | Ground Gleaner | Forest Edge, Riparian |
| CAGU | Cup | Insects, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest, Forest Edge |
| CAUS | Cup | Insects, Fruit | Foliage, Air | Foliage Gleaner, Hawker | Forest, Forest Edge |
| IXNA | Cup | Insects, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest |
| HYMU | Cup | Insects, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest, Riparian |
| PACI | Cavity | Insects, Seeds | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest, Riparian |
| PAWO | Cavity | Insects | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest, Shrubland |
| PAIN | Cavity | Insects, Fruit | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest |
| PABI | Cavity | Insects, Seeds | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest, Shrubland |
| PIAB | Cup | Seeds, Insects | Ground | Ground Gleaner | Shrubland, Riparian |
| PIFU | Cup | Seeds, Insects | Ground | Ground Gleaner | Shrubland, Riparian |
| PICH | Cup | Insects, Seeds | Ground | Ground Gleaner | Shrubland, Riparian |
| PIER | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest Edge, Shrubland |
| TREL | Cavity | Insects, Fruit | Air | Hawker, Hover Gleaner | Forest, Shrubland |
| PHAE | Burrow, Crevice | Fish, Aquatic Inverts | Water | High Dives | Coastal, Pelagic |
| PHLE | Burrow, Crevice | Fish, Aquatic Inverts | Water | High Dives | Coastal, Pelagic |
| MEGA | Scrape | Seeds, Insects | Ground | Ground Gleaner | Forest, Riparian |
| ARME | Scrape | Aquatic Inverts, Fruit | Ground | Ground Gleaner | Shoreline, Tundra |
| ARIN | Scrape | Insects, Aquatic Inverts | Ground, Water | Ground Gleaner, Prober | Coastal, Tundra |
| CAIM | Sphere | Insects, Fruit | Air | Hawker | Riparian, Forest |
| CAFU2 | Cup | Insects, Fruit | Ground | Ground Gleaner, Swooper | Forest |
| AUFL | Sphere | Insects, Fruit | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Shrubland |
| VIBE | Cup | Insects, Fruit | Foliage | Foliage Gleaner | Riparian, Shrubland |

| COMMON NAME | SCIENTIFIC NAME | LCTA CODE | ALPHA CODE | AOU# | NEO STAT | NEST LOCATION |
|-------------------------------|-------------------------------|-----------|------------|------|----------|---------------------------------|
| Vireo, Black-capped | <i>Vireo atricapillus</i> | VIAT | BCVI | 6300 | A | Woody Lower Canopy |
| Vireo, Black-whiskered | <i>Vireo altiloquus</i> | VIAL | BWVI | 6230 | D | Woody Lower Canopy |
| Vireo, Gray | <i>Vireo vicinior</i> | VIVI | GRVI | 6340 | A | Shrub, Woody Lower Canopy |
| Vireo, Hutton's | <i>Vireo huttoni</i> | VIHU | HUVI | 6320 | R | Woody Lower Canopy |
| Vireo, Philadelphia | <i>Vireo philadelphicus</i> | VIPH | PHVI | 6260 | A | Woody Upper Canopy |
| Vireo, Red-eyed | <i>Vireo olivaceus</i> | VIOL | REVI | 6240 | A | Shrub, Woody Upper Canopy |
| Vireo, Solitary | <i>Vireo solitarius</i> | VISO | SOVI | 6290 | A | Woody Lower Canopy |
| Vireo, Warbling | <i>Vireo gilvus</i> | VIGI | WAVI | 6270 | A | Woody Upper Canopy, Shrub |
| Vireo, White-eyed | <i>Vireo griseus</i> | VIGR | WEVI | 6310 | A | Shrub, Woody Lower Canopy |
| Vireo, Yellow-throated | <i>Vireo flavifrons</i> | VIFL | YTVI | 6280 | A | Woody Upper Canopy |
| Vulture, Black | <i>Coragyps atratus</i> | COAT | BLVU | 3260 | R | Cliff, Ground |
| Vulture, Turkey | <i>Cathartes aura</i> | CAAU | TUVU | 3250 | B | Cliff, Snag |
| Wagtail, White | <i>Motacilla alba</i> | MOAL | WHWA | 6940 | R | Bank, Cliff |
| Wagtail, Yellow | <i>Motacilla flava</i> | MOFL | YWAG | 6960 | R | Ground |
| Warbler, Arctic | <i>Phylloscopus borealis</i> | PHBO | ARWA | 7470 | R | Ground |
| Warbler, Bachman's | <i>Vermivora bachmanii</i> | VEBA | BAWA | 6400 | A | Vine Tangle, Woody Lower Canopy |
| Warbler, Bay-breasted | <i>Dendroica castanea</i> | DECA2 | BBWA | 6600 | A | Woody Upper Canopy |
| Warbler, Black-and-white | <i>Mniotilta varia</i> | MNVA | BAWW | 6360 | A | Ground, Woody Lower Canopy |
| Warbler, Black-throated Blue | <i>Dendroica caerulescens</i> | DECA1 | BTBW | 6540 | A | Shrub, Woody Lower Canopy |
| Warbler, Black-throated Gray | <i>Dendroica nigrescens</i> | DENI | BTYW | 6650 | A | Woody Upper Canopy |
| Warbler, Black-throated Green | <i>Dendroica virens</i> | DEVI | BTNW | 6670 | A | Woody Upper Canopy |
| Warbler, Blackburnian | <i>Dendroica fusca</i> | DEFU | BLBW | 6620 | A | Woody Upper Canopy |
| Warbler, Blackpoll | <i>Dendroica striata</i> | DEST | BLPW | 6610 | A | Woody Lower Canopy |
| Warbler, Blue-winged | <i>Vermivora pinus</i> | VEPI | BWWA | 6410 | A | Ground, Vine Tangle |
| Warbler, Canada | <i>Wilsonia canadensis</i> | WICA | CAWA | 6860 | A | Ground |
| Warbler, Cape May | <i>Dendroica tigrina</i> | DETI | CMWA | 6500 | A | Woody Upper Canopy |
| Warbler, Cerulean | <i>Dendroica cerulea</i> | DECE | CERW | 6580 | A | Woody Upper Canopy |
| Warbler, Chestnut-sided | <i>Dendroica pensylvanica</i> | DEPE | CSWA | 6590 | A | Shrub, Woody Lower Canopy |
| Warbler, Colima | <i>Vermivora crissalis</i> | VECR | COLW | 6471 | C | Ground |
| Warbler, Connecticut | <i>Oporornis agilis</i> | OPAG | CONW | 6780 | A | Ground, Shrub |
| Warbler, Golden-cheeked | <i>Dendroica chrysoparia</i> | DECH | GCWA | 6660 | A | Woody Lower Canopy |
| Warbler, Golden-winged | <i>Vermivora chrysoptera</i> | VECH | GWWA | 6420 | A | Ground |
| Warbler, Grace's | <i>Dendroica graciae</i> | DEGR | GRWA | 6640 | A | Woody Upper Canopy |
| Warbler, Hermit | <i>Dendroica occidentalis</i> | DEOC | HEWA | 6690 | A | Woody Upper Canopy |
| Warbler, Hooded | <i>Wilsonia citrina</i> | WICI | HOWA | 6840 | A | Shrub, Woody Lower Canopy |
| Warbler, Kentucky | <i>Oporornis formosus</i> | OPFO | KEWA | 6770 | A | Ground, Shrub |
| Warbler, Kirtland's | <i>Dendroica kirtlandii</i> | DEKI | KIWA | 6700 | A | Ground |
| Warbler, Lucy's | <i>Vermivora luciae</i> | VELU | LUWA | 6430 | C | Snag, Woody Lower Canopy |
| Warbler, MacGillivray's | <i>Oporornis tolmiei</i> | OPTO | MGWA | 6800 | A | Shrub, Woody Lower Canopy |
| Warbler, Magnolia | <i>Dendroica magnolia</i> | DEMA | MAWA | 6570 | A | Woody Lower Canopy, Shrub |
| Warbler, Mourning | <i>Oporornis philadelphia</i> | OPPH | MOWA | 6790 | A | Ground, Shrub |
| Warbler, Nashville | <i>Vermivora ruficapilla</i> | VERU | NAWA | 6450 | A | Ground |
| Warbler, Olive | <i>Peucedramus taeniatus</i> | PETA | OLWA | 6510 | C | Woody Upper Canopy |
| Warbler, Orange-crowned | <i>Vermivora celata</i> | VECE | OCWA | 6460 | A | Ground, Woody Lower Canopy |
| Warbler, Palm | <i>Dendroica palmarum</i> | DEPA | PAWA* | 6720 | A | Ground, Woody Lower Canopy |
| Warbler, Pine | <i>Dendroica pinus</i> | DEPI | PIWA | 6710 | R | Woody Upper Canopy |
| Warbler, Prairie | <i>Dendroica discolor</i> | DEDI | PRAW | 6730 | A | Shrub, Woody Lower Canopy |
| Warbler, Prothonotary | <i>Protonotaria citrea</i> | PRCI | PROW | 6370 | A | Snag, Woody Lower Canopy |

| LCTA CODE | NEST TYPE | FOOD TYPE | FORAGING SUBSTRATE | FORAGING TECHNIQUE | GENERAL HABITAT |
|------------------|------------------|--------------------------|---------------------------|---------------------------------|------------------------|
| VIAT | Cup | Insects, Seeds | Foliage | Foliage Gleaner | Forest, Shrubland |
| VIAL | Cup | Insects, Fruit | Foliage | Foliage Gleaner | Swamp/Marsh |
| VIVI | Cup | Insects | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Shrubland, Forest |
| VIHU | Cup | Insects, Fruit | Foliage | Foliage Gleaner | Forest |
| VIPH | Cup | Insects, Fruit | Air, Foliage | Hover Gleaner, Foliage Gleaner | Forest |
| VIOL | Cup | Insects, Fruit | Air, Foliage | Hover Gleaner, Foliage Gleaner | Forest, Urban |
| VISO | Cup | Insects, Fruit | Foliage, Air | Foliage Gleaner, Hawker | Forest |
| VIGI | Cup | Insects, Fruit | Foliage, Air | Foliage Gleaner, Hover Gleaner | Forest, Riparian |
| VIGR | Cup | Insects, Fruit | Foliage | Foliage Gleaner | Shrubland, Riparian |
| VIFL | Cup | Insects, Fruit | Foliage | Foliage Gleaner | Forest, Forest Edge |
| COAT | None | Carrion, Small Verts | Ground | Scavenger, High Patrol | Grassland, Shrubland |
| CAAU | None | Carrion | Ground | Scavenger, High Patrol | Grassland, Shrubland |
| MOAL | Crevice | Insects, Aquatic Inverts | Ground, Air | Ground Gleaner, Hawker | Shoreline, Tundra |
| MOFL | Cup | Insects, Aquatic Inverts | Ground, Air | Ground Gleaner, Hawker | Shoreline, Tundra |
| PHBO | Oven | Insects | Foliage, Air | Foliage Gleaner, Hover Gleaner | Forest, Shrubland |
| VEBA | Cup | Insects | Foliage | Foliage Gleaner | Swamp/Marsh |
| DECA2 | Cup | Insects, Fruit | Foliage, Air | Foliage Gleaner, Hawker | Forest, Shrubland |
| MNVA | Cup | Insects | Bark, Air | Bark Gleaner, Hawker | Forest |
| DECA1 | Cup | Insects, Seeds | Air, Foliage | Hover Gleaner, Foliage Gleaner | Forest |
| DENI | Cup | Insects | Foliage, Air | Foliage Gleaner, Hover Gleaner | Forest, Shrubland |
| DEVI | Cup | Insects | Foliage, Air | Foliage Gleaner, Hawker | Forest |
| DEFU | Cup | Insects, Fruit | Foliage, Air | Foliage Gleaner, Hover Gleaner | Forest |
| DEST | Cup | Insects, Fruit | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest |
| VEPI | Cup | Insects | Foliage | Foliage Gleaner | Shrubland, Riparian |
| WICA | Cup | Insects | Air, Foliage | Hover Gleaner, Foliage Gleaner | Forest, Riparian |
| DETI | Cup | Insects, Nectar | Foliage, Air | Foliage Gleaner, Hawker | Forest, Forest Edge |
| DECE | Cup | Insects | Foliage, Air | Foliage Gleaner, Hawker | Forest |
| DEPE | Cup | Insects, Fruit | Foliage, Air | Foliage Gleaner, Hawker | Shrubland, Forest |
| VECR | Cup | Insects | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Forest |
| OPAG | Cup | Insects, Seeds | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Swamp/Marsh, Forest |
| DECH | Cup | Insects | Foliage, Air | Foliage Gleaner, Hawker | Forest |
| VECH | Cup | Insects | Foliage | Foliage Gleaner | Grassland, Shrubland |
| DEGR | Cup | Insects | Foliage, Air | Foliage Gleaner, Hawker | Forest |
| DEOC | Cup | Insects | Foliage, Air | Foliage Gleaner, Hover Gleaner | Forest |
| WICI | Cup | Insects | Foliage, Air | Foliage Gleaner, Hawker | Forest, Riparian |
| OPFO | Cup | Insects, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest |
| DEKI | Cup | Insects, Tree Sap | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Forest |
| VELU | Cavity | Insects | Foliage, Air | Foliage Gleaner, Hawker | Shrubland, Forest |
| OPTO | Cup | Insects | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Riparian, Forest Edge |
| DEMA | Cup | Insects, Nectar | Air, Bark | Hover Gleaner, Bark Gleaner | Forest |
| OPPH | Cup | Insects | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest, Swamp/Marsh |
| VERU | Cup | Insects | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Forest, Riparian |
| PETA | Cup | Insects | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Forest |
| VECE | Cup | Insects, Fruit | Foliage | Foliage Gleaner | Forest, Riparian |
| DEPA | Cup | Insects, Fruit | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest |
| DEPI | Cup | Insects, Seeds | Bark, Foliage | Bark Gleaner, Foliage Gleaner | Forest |
| DEDI | Cup | Insects | Foliage, Air | Foliage Gleaner, Hawker | Shrubland, Forest Edge |
| PRCI | Cavity | Insects, Aquatic Inverts | Bark, Foliage | Bark Gleaner, Foliage Gleaner | Swamp/Marsh, Riparian |

| COMMON NAME | SCIENTIFIC NAME | LCTA CODE | ALPHA CODE | AOU# | NEO STAT | NEST LOCATION |
|----------------------------|--|-----------|------------|------|----------|----------------------------|
| Warbler, Red-faced | <i>Cardellina rubrifrons</i> | CARU2 | RFWA | 6900 | C | Ground |
| Warbler, Rufous-capped | <i>Basileuterus rufifrons</i> | BARU | RCWA | 6921 | R | Ground |
| Warbler, Swainson's | <i>Limnothlypis swainsonii</i> | LISW | SWWA | 6380 | A | Shrub, Woody Lower Canopy |
| Warbler, Tennessee | <i>Vermivora peregrina</i> | VEPE | TEWA | 6470 | A | Ground |
| Warbler, Townsend's | <i>Dendroica townsendi</i> | DETO | TOWA | 6680 | A | Woody Lower Canopy |
| Warbler, Virginia's | <i>Vermivora virginiae</i> | VEVI | VIWA | 6440 | A | Ground |
| Warbler, Wilson's | <i>Wilsonia pusilla</i> | WIPU | WIWA | 6850 | A | Ground, Vine Tangle |
| Warbler, Worm-eating | <i>Helminthos vermivorus</i> | HEVE | WEWA | 6390 | A | Ground |
| Warbler, Yellow | <i>Dendroica petechia</i> | DEPE1 | YWAR | 6520 | A | Shrub, Woody Lower Canopy |
| Warbler, Yellow-rumped | <i>Dendroica coronata</i> | DECO | YRWA* | 6550 | B | Woody Upper Canopy |
| Warbler, Yellow-throated | <i>Dendroica dominica</i> | DEDO | YTWA | 6630 | A | Woody Upper Canopy |
| Waterthrush, Louisiana | <i>Seiurus motacilla</i> | SEMO | LOWA | 6760 | A | Ground, Bank |
| Waterthrush, Northern | <i>Seiurus noveboracensis</i> | SENO | NOWA | 6750 | A | Ground, Bank |
| Waxwing, Bohemian | <i>Bombycilla garrulus</i> | BOGA | BOWA | 6180 | R | Woody Upper Canopy |
| Waxwing, Cedar | <i>Bombycilla cedrorum</i> | BOCE | CEDW | 6190 | B | Woody Upper Canopy |
| Wheatear, Northern | <i>Oenanthe oenanthe</i> | OEOE | NOWH | 7650 | R | Ground |
| Whimbrel | <i>Numenius phaeopus</i> | NUPH | WHIM | 2650 | R | Ground |
| Whip-poor-will | <i>Caprimulgus vociferus</i> | CAVO | WPWI | 4170 | A | Ground |
| Wigeon, American | <i>Anas americana</i> | ANAM | AMWI | 1370 | R | Ground |
| Wigeon, Eurasian | <i>Anas penelope</i> | ANPE | EUWI | 1360 | R | Ground |
| Willet | <i>Catoptrophorus semipalmatus</i> | CASE | WILL | 2580 | R | Ground |
| Woodcock, American | <i>Scolopax minor</i> | SCMI | AMWO | 2280 | R | Ground |
| Woodpecker, Acorn | <i>Melanerpes formicivorus</i> | MEFO | ACWO | 4070 | R | Snag, Woody Upper Canopy |
| Woodpecker, Black-backed | <i>Picoides arcticus</i> | PIAR | BBWO | 4000 | R | Snag |
| Woodpecker, Downy | <i>Picoides pubescens</i> | PIPU | DOWO | 3940 | R | Snag, Woody Upper Canopy |
| Woodpecker, Gila | <i>Melanerpes uropygialis</i> | MEUR | GIWO | 4110 | R | Cactus, Woody Upper Canopy |
| Woodpecker, Golden-fronted | <i>Melanerpes aurifrons</i> | MEAU | GFOW | 4100 | R | Snag, Woody Upper Canopy |
| Woodpecker, Hairy | <i>Picoides villosus</i> | PIVI | HAWO | 3930 | R | Woody Upper Canopy, Snag |
| Woodpecker, Ivory-billed | <i>Campephilus principalis</i> | CAPR | IBWO | 3920 | R | Snag, Woody Upper Canopy |
| Woodpecker, Ladder-backed | <i>Picoides scalaris</i> | PISC | LBWO | 3960 | R | Woody Lower Canopy, Shrub |
| Woodpecker, Lewis' | <i>Melanerpes lewis</i> | MELE | LEWO | 4080 | B | Woody Upper Canopy, Snag |
| Woodpecker, Nuttall's | <i>Picoides nuttallii</i> | PINU1 | NUWO | 3970 | R | Snag, Woody Upper Canopy |
| Woodpecker, Pileated | <i>Dryocopus pileatus</i> | DRPI | PIWO | 4050 | R | Snag, Woody Upper Canopy |
| Woodpecker, Red-bellied | <i>Melanerpes carolinus</i> | MECA | RBWO | 4090 | R | Snag, Woody Upper Canopy |
| Woodpecker, Red-cockaded | <i>Picoides borealis</i> | PIBO | RCWO | 3950 | R | Woody Upper Canopy |
| Woodpecker, Red-headed | <i>Melanerpes erythrocephalus</i> | MEER | RHWO | 4060 | R | Snag, Woody Upper Canopy |
| Woodpecker, Strickland's | <i>Picoides stricklandi</i> | PIST | STWO | 3980 | R | Snag, Woody Upper Canopy |
| Woodpecker, Three-toed | <i>Picoides tridactylus</i> | PITR | TTWO | 4010 | R | Snag, Woody Lower Canopy |
| Woodpecker, White-headed | <i>Picoides albolarvatus</i> | PIAL | WHWO | 3990 | R | Snag, Woody Lower Canopy |
| Wren, Bewick's | <i>Thryomanes bewickii</i> | THBE | BEWR | 7190 | R | Woody Lower Canopy, Snag |
| Wren, Cactus | <i>Campylorhynchus brunneicapillus</i> | CABR | CACW | 7130 | R | Cactus, Woody Lower Canopy |
| Wren, Canyon | <i>Catherpes mexicanus</i> | CAME3 | CANW | 7170 | R | Cliff |
| Wren, Carolina | <i>Thryothorus ludovicianus</i> | THLU | CARW | 7180 | R | Woody Lower Canopy, Snag |
| Wren, House | <i>Troglodytes aedon</i> | TRAE | HOWR | 7210 | A | Woody Lower Canopy, Snag |
| Wren, Marsh | <i>Cistothorus palustris</i> | CIPA | MAWR | 7250 | B | Reed |
| Wren, Sedge | <i>Cistothorus platensis</i> | CIPL | SEWR | 7240 | B | Ground |
| Wren, Winter | <i>Troglodytes troglodytes</i> | TRTR | WIWR | 7220 | R | Snag, Woody Lower Canopy |
| Wrentit | <i>Chamaea fasciata</i> | CHFA | WREN | 7420 | R | Shrub, Woody Lower Canopy |

| LCTA CODE | NEST TYPE | FOOD TYPE | FORAGING SUBSTRATE | FORAGING TECHNIQUE | GENERAL HABITAT |
|------------------|------------------|--------------------------|---------------------------|---------------------------------|--------------------------|
| CARU2 | Cup | Insects | Foliage, Air | Foliage Gleaner, Hawker | Forest |
| BARU | Oven | Insects | Foliage, Air | Foliage Gleaner, Hawker | Shrubland, Forest |
| LISW | Cup | Insects | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Swamp/Marsh, Riparian |
| VEPE | Cup | Insects, Fruit | Foliage | Foliage Gleaner | Swamp/Marsh, Forest Edge |
| DETO | Cup | Insects, Seeds | Foliage, Air | Foliage Gleaner, Hawker | Forest |
| VEVI | Cup | Insects | Ground, Air | Ground Gleaner, Hawker | Shrubland |
| WIPU | Cup | Insects, Fruit | Foliage, Air | Foliage Gleaner, Hover Gleaner | Shrubland, Riparian |
| HEVE | Cup | Insects | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Riparian, Forest |
| DEPE1 | Cup | Insects, Fruit | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Riparian, Shrubland |
| DECO | Cup | Insects, Fruit | Foliage, Air | Foliage Gleaner, Hawker | Forest |
| DEDO | Cup | Insects | Bark, Foliage | Bark Gleaner, Foliage Gleaner | Forest, Swamp/Marsh |
| SEMO | Cup | Aquatic Inverts, Insects | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Riparian, Swamp/Marsh |
| SENO | Cup | Aquatic Inverts, Insects | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Swamp/Marsh, Riparian |
| BOGA | Cup | Fruit, Insects | Foliage, Air | Foliage Gleaner, Hawker | Forest, Forest Edge |
| BOCE | Cup | Fruit, Insects | Foliage, Air | Foliage Gleaner, Hawker | Forest, Forest Edge |
| OEOE | Crevice, Burrow | Insects, Seeds | Ground, Air | Ground Gleaner, Hawker | Tundra, Rocky Slope |
| NUPH | Scrape | Insects, Fruit | Ground, Water | Ground Gleaner, Prober | Swamp/Marsh, Tundra |
| CAVO | None | Insects | Air | Aerial Foraging | Forest |
| ANAM | Scrape | Greens, Aquatic Inverts | Water | Dabbler | Swamp/Marsh, Freshwater |
| ANPE | Scrape | Greens, Seeds | Water | Dabbler | Coastal, Pelagic |
| CASE | Scrape | Insects, Aquatic Inverts | Water | Prober | Coastal, Pelagic |
| SCMI | Scrape | Insects | Ground, Water | Prober | Swamp/Marsh, Riparian |
| MEFO | Cavity | Insects, Nuts | Bark, Air | Bark Gleaner, Bark Gleaner | Forest |
| PIAR | Cavity | Insects, Seeds | Bark | Bark Gleaner | Forest |
| PIPU | Cavity | Insects, Fruit | Bark | Bark Gleaner | Forest, Riparian |
| MEUR | Cavity | Insects, Fruit | Bark, Air | Bark Gleaner, Hawker | Desert, Urban |
| MEAU | Cavity | Insects, Nuts | Bark, Ground | Bark Gleaner, Ground Gleaner | Shrubland, Riparian |
| PIVI | Cavity | Insects | Bark | Bark Gleaner | Forest, Urban |
| CAPR | Cavity | Insects, Seeds | Bark, Ground | Bark Gleaner, Ground Gleaner | Swamp/Marsh, Riparian |
| PISC | Cavity | Insects, Fruit | Bark, Ground | Bark Gleaner, Ground Gleaner | Shrubland, Desert |
| MELE | Cavity | Insects, Nuts | Air, Ground | Hawker, Ground Gleaner | Forest, Riparian |
| PINU1 | Cavity | Insects, Fruit | Bark, Air | Bark Gleaner, Hawker | Forest, Riparian |
| DRPI | Cavity | Insects, Fruit | Bark | Bark Gleaner | Forest, Urban |
| MECA | Cavity | Insects, Nuts | Bark, Air | Bark Gleaner, Hawker | Forest, Riparian |
| PIBO | Cavity | Insects, Fruit | Bark | Bark Gleaner | Forest |
| MEER | Cavity | Insects, Fruit | Air, Ground | Hawker, Swooper | Forest, Urban |
| PIST | Cavity | Insects, Fruit | Bark, Foliage | Bark Gleaner, Foliage Gleaner | Forest |
| PITR | Cavity | Insects, Tree Sap | Bark | Bark Gleaner | Forest, Riparian |
| PIAL | Cavity | Insects, Seeds | Bark, Ground | Bark Gleaner, Ground Gleaner | Forest |
| THBE | Cavity | Insects | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest, Shrubland |
| CABR | Sphere | Insects, Small Verts | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Desert, Shrubland |
| CAME3 | Crevice | Insects, Small Verts | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Rocky Slope, Urban |
| THLU | Cavity | Insects | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest, Urban |
| TRAE | Cavity | Insects | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest, Urban |
| CIPA | Sphere | Insects, Aquatic Inverts | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Swamp/Marsh |
| CIPL | Sphere | Insects | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Swamp/Marsh |
| TRTR | Cavity | Insects | Ground, Foliage | Ground Gleaner, Foliage Gleaner | Forest, Riparian |
| CHFA | Cup | Insects, Fruit | Foliage, Bark | Foliage Gleaner, Bark Gleaner | Shrubland, Urban |

| COMMON NAME | SCIENTIFIC NAME | LCTA CODE | ALPHA CODE | AOU# | NEO STAT | NEST LOCATION |
|----------------------------|--------------------------------|----------------------|-----------------------|-------------|---------------------|---------------------------|
| Yellowlegs, Greater | <i>Tringa melanoleuca</i> | TRME | GRYE | 2540 | R | Ground |
| Yellowlegs, Lesser | <i>Tringa flavipes</i> | TRFL | LEYE | 2550 | R | Ground |
| Yellowthroat, Common | <i>Geothlypis trichas</i> | GETR | COYE | 6810 | A | Shrub, Woody Lower Canopy |
| Yellowthroat, Gray-crowned | <i>Geothlypis poliocephala</i> | GEPO | GCYE | 6821 | R | Ground |

| LCTA CODE | NEST TYPE | FOOD TYPE | FORAGING SUBSTRATE | FORAGING TECHNIQUE | GENERAL HABITAT |
|----------------------|------------------|--------------------------|-------------------------------|---------------------------------|------------------------|
| TRME | Scrape | Fish, Insects | Water | Prober | Coastal, Freshwater |
| TRFL | Scrape | Insects, Aquatic Inverts | Water, Ground | Prober, Ground Gleaner | Tundra |
| GETR | Cup | Insects, Seeds | Foliage, Air | Foliage Gleaner, Hover Gleaner | Forest Edge, Grassland |
| GEPO | Cup | Insects, Fruit | Foliage, Ground | Foliage Gleaner, Ground Gleaner | Forest Edge, Forest |

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