**Protected A when completed**

**Application for a *Migratory Birds Regulations, 2022* (MBR 2022) Scientific Permit**

**Module 3 - Capture and Band Birds**

*This module is a part of a complete MBR 2022 Scientific permit application. It must only be completed if the proposed activity will involve capturing and banding live birds, including marking with auxiliary markers. A complete Scientific permit application must include the completed modules relevant to all activities that are planned to be undertaken for the project/program.*

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| **Module 3: Capture and Band Birds** | | | | | | | |
| **Applicant’s name:** | | | | | | | |
| **Section 1: Permit Type and Master or Station Responsible Individual (RI) Signature** | | | | | | | |
| **3.1.1 Permit type** | | | | | | | |
| I am applying for a: | master permit | | | station permit | | | sub-permit |
| **3.1.2 Permit number and signature of master or station RI (if applicable)** | | | | | | | |
| Permit number of master bander or station if you are applying for a sub-permit: | | | | Signature of master bander or station’s responsible individual indicating consent: | | | |
| **Section 2: Capture and Band Birds** | | | | | | | |
| **3.2.1 Banding experience** | | | | | | | |
| Years or months of banding experience: | | | Number of birds extracted from mists nets: | | | | |
| I have banded in:  Spring  Summer  Autumn  Winter | | | | | | | |
| I am familiar with and will abide by Canadian Council on Animal Care (CCAC) (<https://ccac.ca/>) ethical standards for working with wildlife and migratory birds in science, and the North American Banding Council Banders’ code of ethics.  Yes  No | | | | | | | |
| I have been trained to recognize an improperly applied band and know when, and how to correct it or remove it safety.  Yes  No | | | | | | | |
| I have been trained to recognize signs of stress and minor injuries in a bird, and how to respond to them.  Yes  No | | | | | | | |
| I am familiar with the accepted methods of euthanasia and humane killing for birds and am prepared to respond if a bird is accidentally injured during permitted activities and cannot be released or rehabilitated.  Yes  No | | | | | | | |
| Describe your experience capturing, handling, and banding birds. Include information about your hands-on experience with techniques and species groups. List trainers, internships, course, workshops, certifications, and any other relevant experience. Include approximate dates.  See attached document(s) Name of document:  Choose a number Report(s) on Applicant Qualifications (RAQ) will be submitted here (<https://drive.google.com/drive/folders/1S1ff9kINnA5E-R7Bs9EZPyrhH0xTfRBA>) | | | | | | | |
| **3.2.2 Collaborating permittees**  Please provide the names, bird banding permit numbers, and a list of requested authorizations for each collaborator who will be undertaking project/program activities without supervision. Authorizations are listed in [Table 3.IS.1](https://ecollab.ncr.int.ec.gc.ca/theme/cws-scf/priv/permit/MBR%20Permits%20for%20CGII/Scientific%20Permits/2023%20Scientific%20Permitting%20Materials/Application%20Forms/English%20Application%20Forms/Old%20files/Instruction%20Sheets/Module%203-Capture%20and%20Band%20Birds%20instruction%20sheet.docx) of the instruction sheet. | | | | | | | |
| **Name** | | **Permit number** | | | **Authorizations** | | |
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| **3.2.3 Species**  **Important**: Complete Module 7 if any of the target and/or non-target species are listed as extirpated, endangered, or threatened on schedule 1 of the federal *Species at Risk Act*. | | | | | | | |
| **3.2.3.1 Target species group/species request and banding experience** | | | | | | | |
| I request authorization to capture and band | | | | | Number of **species** previously banded | Number of **individuals** previously banded | |
| Passerines (e.g., songbirds) | | | | |  |  | |
| Other landbirds (e.g., doves, woodpeckers, swifts) | | | | |  |  | |
| Waterfowl (e.g., swans, geese, ducks) | | | | |  |  | |
| Waterbirds (e.g., loons, grebes, cranes, herons, rails) | | | | |  |  | |
| Raptors (e.g., eagles, hawks, vultures, owls, falcons) | | | | |  |  | |
| Seabirds (e.g., gannets, cormorants, gulls, terns) | | | | |  |  | |
| Shorebirds (e.g., plovers, sandpipers, oystercatchers) | | | | |  |  | |
| SARA-listed species; please specify: | | | | |  |  | |
| Specific species; please specify: | | | | |  |  | |
| Hummingbirds (if checked, please fill out the two related boxes below) | | | | |  |  | |
| Please provide information on whether you will make the hummingbird bands yourself or have them made elsewhere. | | | | | | | |
| If you will make the hummingbird bands yourself, have you been trained to do so? If yes, by whom and when? | | | | | | | |
| **3.2.3.2 Non-target species**  Describe any effects (direct or indirect) your activities would have on non-target species and how these effects will be mitigated. | | | | | | | |
| **3.2.4 Capture methods and additional authorizations** | | | | | | | |
| Capture methods | | | Additional authorizations | | | | |
| Trap at cavity, burrow, or nest box  Hand capture  Mists nets  Traps | | | Band chicks at nest site and monitor  Use federal bands outside Canada. Country:  Band in colonies. Species:  Spot-lighting | | | | |
| Pneumatic nets  Rocket nets | | | Band captive birds at release. A regional scientific permit or possession of a provincial /territorial peris required for these activities.  Band rehabilitation birds. Permit number and species or species groups:  Band captive-bred/raised birds. Permit number and species or species groups:  Band birds held for experimental purposes. Permit number and species or species groups: | | | | |
| Cannon nets | | |
| Hand nets | | |
| Whoosh nets  Underwater or floating gill nets | | |
| Noose carpets, poles and snares | | | Capture using dogs | | | | |
| Handheld net launcher: | | | Capture using drugs | | | | |
| Stationary net launcher | | | Mark without banding: | | | | |
| Audio lures | | |  | | | | |
| Other | | | | | | | |
| Describe your training and competency with the capture methods and/or additional authorizations that you have indicated above (Section 3.2.4).    I have attached an NABC banders checklist for the species group (See instruction sheet). | | | | | | | |
| **3.2.5 Data management** | | | | | | | |
| Describe your experience and competency with data collection, record keeping, and report submission. | | | | | | | |
| I have an account and know how to submit my data through the Bander Portal. | | I understand that it is my responsibility to ensure high quality data and to use the Bander Portal to submit data to the banding program. | | | | Not applicable; I will not be responsible for data entry or reporting. | |
| What is your plan for managing additional data collected under your scientific permit to make it accessible in the future? Refer to the instructions.    If you expect to collect data from electronic tracking devices, what is your plan for archiving these data to make them accessible in the future? | | | | | | | |
| **Section 3: Marking – Banding and Auxiliary Markers (Visual and Electronic)** | | | | | | | |
| Please indicate if you require permission to use auxiliary markers (visual and/or electronic).  Auxiliary marker (visual)  Auxiliary marker (electronic) | | | | | | | |
| **3.3.1 Procedures**  Describe your proposed methods for each procedure in the space provided below.    See attached document (document name: ) | | | | | | | |
| **3.3.2 Training and experience**  Describe your training and experience with the auxiliary markers requested. | | | | | | | |
| **3.3.3 Colour marking scheme**  If you will use colour bands, **please provide your proposed marking scheme** (e.g., black over red on left leg with federal metal bands on right leg, or green and federal metal band on right leg, purple for cohort 2024, etc.), so that we may coordinate with other banders and the BBL if necessary. | | | | | | | |
| **3.3.4 Authorization description table**  Please complete Table M3.1 if you intend to use auxiliary markers (visual and/or electronic). Use the codes from Table 3.IS.2 of the instructions to allow the BBO to issue your permit with the exact authorizations you require (the numbers represent the codes you will use in the Bander Portal (<https://www.pwrc.usgs.gov/bbl/Bander_portal/login/main_login.php>) for reporting purposes). An example is provided. Insert additional rows as required. | | | | | | | |

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| **Table M3.1: Authorization Description Table** | | | | | | | | |
| Please complete the following table if you intend to use auxiliary markers (visual or electronic). Use the codes from Table 3.IS.2 of the instructions to allow the BBO to issue your permit with the exact authorizations you require (the numbers represent the codes you will use in the Bander Portal for reporting purposes). An example is provided. Insert additional rows as required. | | | | | | | | |
| **Species and Capture Method** | | | | **Auxiliary Markers** | | | | **TOTAL** |
| **Species** | **Age** | **Sex** | **Capture method** | **Auxiliary marker codes (from Table IS. 2)** | **Make/model of electronic marker (mass)** | **Time the marker remains on the bird** | **Number of markers** | **Sample size** |
| DUNL | AHY | M & F | Mist nets | 1. 01A 2. 81C 3. 81J | 1. N/A  2. Lotek NTQB-9-1 (0.27 g)  3. Lotek NTQB-3-2 (0.67 g) | 1. Life  2. 1 week, removed at recapture  3. 2 months, falls off at moult | 1. 50  2. 50  3. 50 | **50** |
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