

Pigeon Guillemot Survey

Directions for filling out Data Sheet 2021

Section 1 -- Colony Wide Activity

Week Number Number your Data Sheets sequentially, one each week.

Fill in the **Colony (Site) Name, Survey Date, Team Lead** and e-mail, **Names of Observers**.

Survey Start time: Must be prior to 8:00.

Tide in feet at start of survey: Consult tide charts or apps. **Be sure to include if the tide is + or -.**

Incoming or Outgoing: Circle appropriate answer.

Total volunteer time: This includes one hour of survey, settling in time prior to the survey, and travel time for all volunteers. Also include time used for data entry. Should be entered in hours, and fractions of hours, i.e., 2.75 hours.

PIGU Counts: Count the guillemots that you see that are associated with the colony. They may be on the bluff, the beach, the water or flying past. Do not count every black dot, or the guillemots that you recognize way offshore. Just the birds close enough to be part of the colony.

- A) **Count at beginning:** After the birds have settled and you begin the survey take a point count of birds seen.
- B) **Count in middle:** 30 minutes into the survey take and record a second point count.
- C) **Count at end:** At the one hour mark take and record final point count.

Section 2 --Disturbances

Occasionally disturbances will occur that cause the birds to fly away from the beach, vacate the burrows, or retreat offshore and away from the colony.

Record the time of the disturbance in the column under the listed cause. The most common causes (eagle, beach walker, etc.,) are listed. If you do not know the cause, list the time under unknown. If you know the cause list under "Other Cause" and note the cause.

Watch the birds to determine the end time of the disturbance. Not all the birds will return together. When 40% or more of the birds have returned to normal behavior near the bluff, you can consider the disturbance ended.

If the disturbance extends beyond the end of the survey, mark "Yes".

General Survey Notes: Note unusual events or behaviors that pertain to the general information or disturbances here.

Section 3 -- Burrow Data

Record **Burrow Identifier** for each burrow where activity is observed.

For a visit to the burrow with **no prey** mark the time in the box. Subsequent burrow visit times can be added, separated by a comma.

Most fish delivered will be either **gunnels** or **sculpins**. Mark the times of each fish delivery in the appropriate box to the right of the burrow ID. If you can't identify the prey, record the time in the box marked **Other/Unknown**. (Identify the prey if possible. For example, if you see a perch, cod or shrimp mark that under "Other/Unknown" along with the time.)

Burrow Notes can be added to the bottom of the sheet. Be sure to note the Burrow ID along with the notes.

Section 4 – For Beaches With More Than One Observation Point

If your beach has surveyors positioned at multiple observation points:

- Before leaving the beach, apply your documented process to determine the PG count for each count period.
- Before leaving the beach, deconflict any observations noted by volunteers from more than one observation point to avoid double counting prey deliveries or other errors.
- Prepare a summary field card that captures the observations from the volunteers from all the observation points. This is the official copy.

Section 5 -- Record survey data in the Survey123 web site shortly after survey.

Take a photo of both the front and back of the data sheet and upload into the survey form.

Thank you for your time and effort given to this study. It is deeply appreciated.