



## Pigeon Guillemot & Rhinoceros Auklet survey

Objective: Quantify the number of Pigeon Guillemots and Rhinoceros Auklets using Sea Lion Caves during the breeding season. Information will be included in the U.S. Fish and Wildlife Service seabird database used to track population status of key seabird species.

- This survey is only to be performed at Sea Lion Caves (from the south view point)
- Count is conducted during a regular visit for cormorant nest productivity monitoring between May and August. Conduct count either before or after the cormorant monitoring session

### Procedure:

- During a 15-minute period count all individual Pigeon Guillemots and Rhinoceros Auklets (adults and later chicks/juveniles) you can see in the cave perched or flying
- Try to avoid double-counting the same bird. One way to do this is to count all the birds a few times during the 15 minute period and just use the total that had the most birds.
- Record the following on the data form (see reverse side):
  - Date: (mm/dd/yy)
  - Start time: use military time
  - Observer: first initial and full last name
  - Number of Pigeon Guillemot (PIGU) adults w/o fish
  - Number of Pigeon Guillemot adults with fish in beak
  - Number of Pigeon Guillemot chicks
  - Total number of Pigeon Guillemot: add previous 3 columns together
  - Repeat same observations for Rhinoceros Auklet (RHAU) (add 3 columns for total)
  - Comments: record any interesting observations, particularly if you noticed any nesting behavior
- Hand data forms to U.S. Fish and Wildlife Intern, Amelia O'Connor, who will be helping coordinate this effort (preferable). It is also acceptable to scan completed data form(s) and send to Amelia O'Connor ([ameliajoconnor@gmail.com](mailto:ameliajoconnor@gmail.com)) and Joe Liebezeit at Audubon Society of Portland ([jliebezeit@audubonportland.org](mailto:jliebezeit@audubonportland.org)).



Photos to aid in identification:



Pigeon Guillemot adults (R. LeValley)



Rhinoceros Auklet adult (A. Reding)



Pigeon Guillemot juvenile (B. Steele)



**Juvenile Rhinoceros Auklet**, *Cerorhinca monocerata*

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