

Parakeet Auklet. St. Paul Island, Pribilof Islands, Bering Sea. 27th June 2008.  
Photo: Paul and Andrea Kelly.



# List of Auks with References

Compiled by Joe Hobbs



## Introduction

I have endeavoured to keep typos, errors, omissions etc in this list to a minimum, however when you find more I would be grateful if you could email the details during 2017 & 2018 to: josephobbs@gmail.com.

Please note that this and other Reference Lists I have compiled are **not exhaustive** and are best employed in conjunction with other sources.

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Joe Hobbs

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The general order of species follows the International Ornithologists' Union World Bird List (**Gill, F. & Donsker, D.** (eds.) 2017. IOC World Bird List. Available from: <http://www.worldbirdnames.org/> [version 7.3 accessed August 2017]).

## Version

Version 1.3 (November 2017).

## Cover

Main image: Parakeet Auklet. St. Paul Island, Pribilof Islands, Bering Sea, 27th June 2008. Picture by Paul and Andrea Kelly.

Vignette: Crested Auklet. St. Paul Island, Pribilof Islands, Bering Sea, 27th June 2008. Picture by Paul and Andrea Kelly.

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## Little Auk

**Alle alle** [Linnaeus 1758, Scotland].

[*A.a. alle*] E Baffin Island thru Greenland & Iceland to Jan Mayen, Spitsbergen, Bear Island & Novaya Zemlya. Winters in low arctic.

[*A.a. polaris*] Franz Josef Land and possibly this race from Severnaya Zemlya E to St Lawrence Island & Little Diomedede (Bering Sea).

Other name: Dovekie.

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## Brünnich's Guillemot

***Uria lomvia*** [Linnaeus 1758, Greenland].

[*U. lomvia*] NE Canada S to Gulf of St Lawrence and Greenland E to Franz Josef Land, Novaya Zemlya & Severnaya Zemlya. Winters offshore low arctic waters.

[*U. eleonorae*] E Taymyr peninsula E to New Siberian Islands.

[*U. heckeri*] Wrangel Island, Herald Island & N Chukotskiy peninsula.

[*U. arra*] NW Alaska S to N Japan, Aleutian Islands and SE Alaska. Winters offshore in Sea of Japan & Gulf of Alaska.

Other name: Thick-billed Murre, Brünnich's Murre.

**Morten Thrane Brünnich** (1737-1827), Danish bird curator in Copenhagen and systematist who worked on Guillemots.

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## Guillemot

***Uria aalge*** [Pontoppidan 1763, Iceland].

[*U.a. aalge*] E North America, Greenland & Iceland S thru Faeroes & Scotland to S Norway & Baltic Sea. Winters S to Mediterranean.

[*U.a. albionis*] Ireland & S Britain thru Brittany to W Iberia. Winters S to Mediterranean.

[*U.a. hyperborea*] Svalbard E thru N Norway & Murmansk to Novaya Zemlya. Winters S to Mediterranean.

[*U.a. inornata*] E Korea & N Hokkaido (N Japan) N thru Sakhalin to Kamchatka and E thru Bering Sea, Aleutians & W Alaska to NW British Columbia. Winters S to S Japan.

[*U.a. californica*] N Washington S to California. Winters S to S California.

Other names: Common Murre, Thin-billed Murre.

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## Razorbill

***Alca torda*** [Linnaeus 1758, Stora Karlsö, Baltic Sea].

[*A.t. torda*] Digges Sound (Ungava peninsula, Nunavik, Quebec) & SE Baffin Island S to Gulf of Maine (E North America), Greenland and E to Bear Island, Norway, Denmark, Baltic Sea, Murmansk & White Sea. Winters offshore and on coasts S to Long Island & W Mediterranean.

[*A.t. islandica*] Iceland, Faroe Islands, Ireland, Britain, Brittany (NW France), Channel Islands E to Helgoland. Winters offshore and on coasts S to W Mediterranean.

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## Great Auk

*Pinguinus impennis* [Linnaeus 1758].

Formerly Papa Westray (Orkneys), St. Kilda (off Scotland), Grimsey Island (off N Iceland), Geirfuglasker & Eldey Island (off SW Iceland), Funk Island (off NE Newfoundland), the Bird Rocks (Gulf of St. Lawrence) and probably the Faroe Islands & Cape Cod (Massachusetts) as well as other unknown sites. Prehistoric remains discovered in Florida and W Mediterranean. Wintered offshore in the N Atlantic as far S as Florida and S Spain.

Initially, it was killed in large numbers for food and eggs by local inhabitants and later for its feathers that were in demand as fashion items. In 1844 the last known pair were killed and their egg destroyed on Eldey Island, Iceland. The last live bird was seen on the Grand Banks of Newfoundland in 1852 (Halliday 1979).

Other name: Garefowl.

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## **Black Guillemot**

***Cephus grylle*** [Linnaeus 1758, Baltic Sea].

[*C.g. grylle*] Baltic Sea.

[*C.g. faeroensis*] Faroe Islands.

[*C.g. islandicus*] Iceland.

[*C.g. mandtii*] Arctic E North America S to Labrador & N Newfoundland, W & E Greenland, Jan Mayen & Svalbard E thru E Siberia to N Alaska.

[*C.g. arcticus*] North America & S Greenland to Ireland, Britain, Norway, SW Sweden, Denmark, Murmansk & White Sea.

Other name: Tystie.

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## Pigeon Guillemot

***Cepphus columba*** [Pallas 1811, Kamchatka and Bering Strait].

[*C.c. columba*] NE Siberia thru the Bering Sea. Winters at sea S of breeding grounds.

[*C.c. kaiurka*] Commander Islands to WC Aleutian Islands. Winters at sea S of breeding grounds.

[*C.c. snowi*] Kuril Islands (Russia).

[*C.c. eureka*] Oregon & California (W USA)

[*C.c. adiantus*] C Aleutian Islands to Washington (NW USA)

Other name: Sea Pigeon, Kuril Guillemot (*snowi*).

**Capt. Henry James Snow** (b. 1848), mariner, hunter and author who explored around and in the Kuril Islands.

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## **Spectacled Guillemot**

***Cepphus carbo*** [Pallas 1811, Kuril Islands].

Kamchatka & Sea of Okhotsk S to NE Korea, Kuril Islands and Hokkaido & N Honshu (N Japan).

Winters usually S of breeding grounds.

Other names: Sooty Guillemot, Bridled Guillemot.

**Brazil, M.A.** 1993. Seabirding in Japan. *Dutch Birding* 15(4): 160-166 (plate 99, p. 165).

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## Marbled Murrelet

- Brachyramphus marmoratus** [Gmelin 1789, Prince William Sound, Alaska].  
Barren Islands, Aleutian Islands & Kenai peninsula (SE Alaska) S along the coast of North America to Point Sal & Santa Cruz Mts (C California). Winters S of breeding grounds.
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## Long-billed Murrelet

***Brachyramphus perdix*** [Pallas 1811].

Kamchatka & Sea of Okhotsk S to Hokkaido (N Japan). Winters mainly in seas around N Japan with some S to seas around South Korea & S Japan.

Treated by del Hoyo *et al.* 1996 as a race of Marbled Murrelet.

1st WP Record: [1st winter] Sometime between the 15th and 18th December 1997. Lake Zurich, near Zollikon, Meilen, Switzerland. Urs Bäumlér, ID by Lionel Maumary (Maumary & Knaus 2000).

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**Rylands, K.** 2008. Long-billed Murrelet in Devon: new to Britain. *British Birds* 101(3): 131-136.

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**Thompson, C.W. et al.** 2003. Specimen record of a Long-billed Murrelet from eastern Washington, with notes on plumage and morphometric differences between Long-billed and Marbled Murrelets. *Western Birds* 34: 157-168.

**Vinicombe, K.** 2007. Global warming: Vagrancy and melting ice. *Birdwatch* 177: 42-43.

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**Volet, B.** 1999. Letters: Marbled Murrelet in Switzerland. *British Birds* 92(12): 678.

## Kittlitz's Murrelet

***Brachyramphus brevirostris*** [Vigors 1829, San Blas, Mexico; error = N Pacific].

Bering Sea coasts N into Chukchi Sea & S to Gulf of Alaska and E Chukotskiy peninsula in Chukchi Sea W to Cape Schmidta & S to Anadyr Gulf & Shelekhov Bay in N Sea of Okhotsk and Alaska from E of Cape Lisburne S to Aleutian Islands & E to Glacier Bay & Stileine R (Gulf of Alaska) and possibly Wrangel Island. Winters E Siberia & Kuril Islands S to Hokkaido (N Japan) and Aleutian Islands E to Glacier Bay mainly offshore near breeding area.

**Friedrich Heinrich Freiherr von Kittlitz** (1799-1874), German artist, naval officer, explorer and naturalist who was descended from Prussian nobility.

**Agler, B.A. et al.** 1998. Abundance and distribution of Marbled and Kittlitz's Murrelets in southcentral and southeast Alaska. *The Condor* 100(2): 254-265.

**Bailey, E.P.** 1973. Discovery of a Kittlitz's Murrelet nest. *The Condor* 75(4): 457.

**Day, R.H. & Nigro, D.A.** 2000. Feeding ecology of Kittlitz's and marbled murrelets in Prince William Sound, Alaska. *Waterbirds* 23: 1-14.

**Day, R.H.** 1995. New information on Kittlitz's Murrelet nests'. *The Condor* 97(1): 271-273.

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- Murphy, E.C.** 1984. An inland nest record for the Kittlitz's Murrelet. *The Condor* 86(2): 218.
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## Xantus's Murrelets

### Guadalupe Murrelet

***Synthliboramphus hypoleucus*** [Xántus de Vesey 1860, Cape San Lucas, Baja California].  
San Benito Island & Guadalupe Island (NW Baja California) and possibly Santa Barbara & Channel Islands (off S California).

### Scripps's Murrelet

***Synthliboramphus scrippsi*** [Green & Arnold 1939].

Channel Islands (off S California) and islands off W coast of Baja California S to at least San Benito Island.

Treated by del Hoyo *et al.* 2006 as races of Xantus's Murrelet.

**Robert Paine Scripps** (1895-1938), American newspaper baron and former patron of the Scripps Institution of Oceanography in San Diego.

**John Xantus de Vesey** aka **John Xantus de Csíktaplócza** (1825-1894), Hungarian zoologist who settled in America.

- Birt, T.P. et al.** 2012. Rangewide population genetic structure of Xantus's Murrelet (*Synthliboramphus hypoleucus*). *The Auk* 129(1): 44-55.
- Carter, H.R. et al.** 2000. At-sea threats to Xantus' murrelets (*Synthliboramphus hypoleucus*) in the southern California Bight. *Proceedings of the Fifth California Islands Symposium* pp. 435-447.
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- Hamer, T.E. et al.** 2005. Radar as a tool for monitoring Xantus's Murrelet populations. *Marine Ornithology* 33: 139-146.
- Hamilton, C.D. et al.** 2004. Diet of Xantus's Murrelets in the Southern California Bight. *The Wilson Bulletin* 116: 152-157.
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- Oades, R.D.** 1974. Predation of Xantus' Murrelet by Western Gull. *The Condor* 76: 229.
- Murray, K.G. et al.** 1983. Breeding biology of the Xantus' Murrelet. *The Condor* 85(1): 12-21.
- Newman, S.H. et al.** 1999. Subcutaneous anchor attachment increases retention of radio transmitters on Xantus' and Marbled Murrelets. *Journal of Field Ornithology* 70: 520-534.
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- Wolf, S. et al.** 2005. Breeding biology of Xantus's Murrelet at the San Benito Islands, Baja California, Mexico. *Marine Ornithology* 33: 123-129.

### Craveri's Murrelet

- Synthliboramphus craveri*** [Salvadori 1865, Raza Island, Gulf of California]. Islands in Gulf of California N to Consag Rock and probably islands along Pacific coast of Baja California N to San Benito. Winters at sea in Gulf of California & coasts N to Monterey Bay (S California) & S to Sonora. Brothers **Frederico** (1815-1890) and **Ettore Craveri** (1816-1884). Italian meteorologists, collectors and naturalists who spent time in Mexico and California. Frederico was a professor at the National Museum of Mexico City and later at the University of Turin (see Olson 1996).
- Breese, D. et al.** 1993. Craveri's Murrelet: Confirmed Nesting and Fledging Age at San Pedro Mártir Island, Gulf of California. *Colonial Waterbirds* 16(1): 92-94.
- DeWeese, L.R. & Anderson, D.W.** 1976. Distributions and breeding biology of Craveri's Murrelet. *Transactions of the San Diego Society of Natural History* 18(9): 155-168.
- Jehl Jr., J.R.** 1975. A Craveri's Murrelet from Oregon. *Western Birds* 6(3): 109.
- Olson, S.L.** 1996. The name of the Craveri brothers' Murrelet. *Western Birds* 27(3): 167-168.

### Ancient Murrelet

- Synthliboramphus antiquus*** [Gmelin 1789, Bering Sea]. [*S.a. antiquus*] Yellow Sea & Peter the Great Bay (Sea of Japan) N thru Sakhalin, Kuril Islands & Talan Island (N Sea of Okhotsk) to Kamchatka and E thru Aleutian Islands to S Alaska and S to Queen Charlotte Island. [*S.a. microrhynchus*] Medny Island (Commander Islands). 1st WP Record: 27th May 1990. Jenny's Cove, Lundy Island, Devon, England. Keith Mortimer & Richard Campey. Remained until 27th June (Waldon 1994).
- Bertram, D.F.** 1995. The Roles of Introduced Rats and Commercial Fishing in the Decline of Ancient Murrelets on Langara Island, British Columbia. *Conservation Biology* 9(4): 865-872.
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- Elkins, N.** 2008. Letters: Murrelets in Europe. *British Birds* 101(3): 144-145.
- Gaston, A.J. & Jones, I.L.** 1989. The relative importance of stress and programmed anorexia in determining mass loss by incubating Ancient Murrelets. *The Auk* 106(4): 653-658.
- Gaston, A.J. & Smith, J.L.** 2001. Changes in oceanographic conditions off northern British Columbia (1983-1999) and the reproduction of a marine bird, the Ancient Murrelet (*Synthliboramphus antiquus*). *Canadian Journal of Zoology* 79(10): 1735-1742.
- Gaston, A.J.** 1990. Population parameters of the Ancient Murrelet. *The Condor* 92: 998-1011.
- Gaston, A.J.** 1994. Status of the Ancient Murrelet, *Synthliboramphus antiquus*, in Canada and the effects of introduced predators. *Canadian Field-Naturalist* 108(2): 211-222.
- Gaston, A.J.** 1997. Mass and date at departure affect the survival of Ancient Murrelet *Synthliboramphus antiquus* chicks after departure from the colony. *Ibis* 139: 673-678.
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- Gaston, A.J. et al.** 1988. Monitoring Ancient Murrelet breeding populations. *Colonial Waterbirds* 11(1): 58-66.
- Jones, I.L. et al.** 1987. Colony departure of family groups of Ancient Murrelets. *The Condor* 89: 940-943.
- Jones, I.L. et al.** 1987. Vocal recognition between parents and young of ancient murrelets, *Synthliboramphus antiquus* (Aves: Alcidae). *Animal Behaviour* 35(5): 1405-1415.
- Jones, I.L. et al.** 1990. Factors affecting colony attendance by ancient murrelets (*Synthliboramphus antiquus*). *Canadian Journal of Zoology* 68: 433-441.
- Moore, N.** 2007. Selected records from Socheong Island, South Korea. *Forktail* 23: 102-124 (106).
- Munyer, E.** 1965. Inland wanderings of the Ancient Murrelet. *The Wilson Bulletin* 77(3): 235-242.
- Ryder, G.R.** 2006. First record of the Ancient Murrelet at Kelowna, British Columbia. *Wildlife Afield* 3(2): 146-147.
- Sealy, S.G. & Campbell, R.W.** 1979. Post-hatching movements of young Ancient Murrelets. *Western Birds* 10(1): 25-30.
- Sealy, S.G. & Carter, H.R.** 2004. Additional notes on the southern limit of the Ancient Murrelet in Baja California, Mexico. *Western Birds* 35(2): 105-107.
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- Verbeek, N.A.M.** 1966. Wanderings of the Ancient Murrelet and some additional comments. *The Condor* 68: 510-511.
- Wahl, T.R.** 1975. Seabirds in Washington's offshore zone. *Western Birds* 6(4): 117-134 (129).
- Waldon, J.** 1994. Ancient Murrelet: new to the Western Palearctic. *British Birds* 87(7): 307-310.

### Japanese Murrelet

***Synthliboramphus wumizusume*** [Temminck 1835, Japan].

Coasts and islands off E & S Japan & South Korea. Winters mostly off breeding grounds.

Other name: Crested Murrelet.

- Carter, H.L. et al.** 2002. Status and Conservation of the Japanese Murrelet (*Synthliboramphus wumizusume*) in the Izu Islands, Japan. *Journal of the Yamashina Institute for Ornithology* 33(2): 61-87.
- Iida, T.** 2008. The first confirmation of the non-breeding habitat of Japanese Murrelets *Synthliboramphus wumizusume*. *Ornithological Science* 7(2): 163-165.
- Piatt, J.F. & Gould, P.J.** 1994. Postbreeding dispersal and drift-net mortality of endangered Japanese Murrelets. *The Auk* 111(4): 953-961.
- Tsurumi, M. et al.** 2001. Recent Evidence of Probable Breeding of the Japanese Murrelet *Synthliboramphus wumizusume* on Tori-shima, Izu Islands, Japan. *Journal of the Yamashina Institute for Ornithology* 33(1): 54-57.

### Cassin's Auklet

***Ptychoramphus aleuticus*** [Pallas 1811, N Pacific Ocean].

[*P.a. aleuticus*] Aleutian Islands to SW & SE Alaska and S to N Baja California. Winters mostly off breeding grounds.

[*P.a. australis*] San Benito Island S to Asuncion and San Roque Island (W Baja California).

**John Cassin** (1813-1869), American ornithologist who is generally considered to be one of the leading 19th century taxonomists and giants of American ornithology.

- Abraham, C.L. & Sydeman, W.J.** 2004. Ocean climate, euphausiids and auklet nesting: inter-annual trends and variation in phenology, diet and growth of a planktivorous seabird, *Ptychoramphus aleuticus*. *Marine Ecology Progress Series* 274: 235-250.
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- Ainley, D.G. et al.** 1996. Variation in the diet of Cassin's auklet reveals spatial, seasonal and decadal occurrence patterns of euphausiids off California, USA. *Marine Ecology Progress Series* 137: 1-10.
- Boyd, W.S. et al.** 2008. Variation in marine distributions of Cassin's Auklets (*Ptychoramphus aleuticus*) breeding on Triangle Island, British Columbia. *The Auk* 125: 158-166.
- Burger, A.E. & Powell, D.W.** 1990. Diving depths and diet of Cassin's auklet at Reef Island, British Columbia. *Canadian Journal of Zoology* 68: 1572-1577.
- Collins, C.** 2012. Birding in the Russian Far East. *Birding World* 25(3): 108-123 (plate 15, p. 119).
- Dick, M.H. & Donaldson, W.** 1978. Fishing vessel endangered by Crested Auklet landings. *The Condor* 80: 235-236.
- Hedd, A. et al.** 2002. Inter-annual variation in the diet, provisioning and growth of Cassin's auklets at Triangle Island, British Columbia: responses to variation in ocean climate. *Marine Ecology Progress Series* 229: 221-232.
- Hodum, P.J. et al.** 1998. Energy expenditure and food requirement of Cassin's Auklets provisioning nestlings. *The Condor* 100: 546-550.
- Lee, D.E. et al.** 2007. Climate and demography of the planktivorous Cassin's auklet *Ptychoramphus aleuticus* off northern California: implications for population change. *Journal of Animal Ecology* 76(2): 337-347.
- Manuwal, D.A.** 1974. The natural history of Cassin's auklet. *The Condor* 76: 421-431.
- Morbey, Y.E. & Ydenberg, R.C.** 1997. Intraspecific Variability in Nestling Growth and Fledging Behavior of Cassin's Auklets at Triangle Island, British Columbia. *The Condor* 99(2): 361-371.
- Paine, R.T. et al.** 1990. Direct and indirect effects of Peregrine Falcon predation on seabird abundance. *The Auk* 107(1): 1-9.
- Pyle, P.** 2001. Age at first breeding and natal dispersal in a declining population of Cassin's Auklet. *The Auk* 118(4): 996-1007.
- Speich, S. & Manuwal, D.A.** 1974. Gular pouch development and population structure of Cassin's auklet. *The Auk* 91: 291-306.
- Wahl, T.R. & Tweit, B.** 2000. Seabird abundances off Washington, 1972-1998. *Western Birds* 31(2): 69-88 (80).
- Wahl, T.R.** 1975. Seabirds in Washington's offshore zone. *Western Birds* 6(4): 117-134 (129).

## Parakeet Auklet

***Aethia psittacula*** [Pallas 1769, Kamchatka].

Chukotskiy peninsula S to Commander Islands, Kamchatka, Matykyl Island (Sea of Okhotsk) & Kuril Islands and Diomedede Island & Norton Sound (W Alaska) S to Aleutian Islands and E to N Gulf of Alaska. Winters Bering Sea S to N Japan and casually to S California mostly near breeding grounds. Treated by del Hoyo et al. 1996 as *Cyclorhynchus psittacula*.

1st WP Record: December 1860. Lake Vättern, Jönköping, Småland, Sweden. Collected (BWP 4).

- Bédard, J.** 1969. Feeding of the Least, Crested and Parakeet auklets around St. Lawrence Island, Alaska. *Canadian Journal of Zoology* 47: 1025-1050.
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- Harrison, N.M.** 1990. Gelatinous zooplankton in the diet of the Parakeet Auklet: comparisons with other auklets. *Studies in Avian Biology* 14: 114-124.
- Hatch, S.A.** 2002. Activity patterns and monitoring numbers of horned puffins and parakeet auklets. *Waterbirds* 25(3): 348-357.
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## Least Auklet

***Aethia pusilla*** [Pallas 1811, Kamchatka].

Chukotskiy peninsula S to Yamskie Islands (Sea of Okhotsk) & C Kuril Islands and Diomed Island & Cape Lisburne (W Alaska) S to Aleutian Islands and E to NW Gulf of Alaska. Winters at sea and along coasts in Bering Sea usually near breeding grounds from N limits of open water S to Gulf of Alaska & Hokkaido (N Japan).

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## Whiskered Auklet

***Aethia pygmaea*** [Gmelin, 1789, Bering Sea].

Yamskie Islands, Penzhin Gulf & St. Jonas Island (NE Sea of Okhotsk) & Commander Islands S to at least C Kuril Islands and thru Aleutian Islands E to Krenitzen Island & Four Mountains Island. Winters mostly near breeding grounds and further S.

Other name: Pygmy Auklet.

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## Crested Auklet

- Aethia cristatella*** [Pallas 1769, Hokkaido to Kamchatka].  
Chukotskiy peninsula S thru Diomed Island to N Sea of Okhotsk, Sakhalin & Kuril Islands and W Alaska S thru St Lawrence Island, St Matthew Island & Pribilofs to Aleutians E to Shumagin Island. Winters at sea and along coasts in Bering Sea usually close to breeding grounds and further S. 1st WP Record: [adult] August 1912. 45' NE of Langanes, Iceland. O.A. Christiansen. Collected sometime between 12th and 20th August (Hørring 1933).
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- Douglas III, H.D. et al.** 2005. Is the citrus-like plumage odorant of crested auklets (*Aethia cristatella*) a defense against lice? *Journal of Ornithology* 146(2): 111-115.
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## Rhinoceros Auklet

***Cerorhinca monocerata*** [Pallas 1811, Cape St Elias, Alaska].

Akademii Gulf, S Sakhalin & S Kuril Island S to Japan & extreme NE Korea and C Aleutian Islands, S & SE Alaska S to British Columbia, W Washington & N California. Winters mostly offshore and along coasts in Asia near breeding areas and in North America mainly from S British Columbia S to Baja California.

Other name: Rhinoceros Puffin.

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- Vermeer, K.** 1980. The importance of timing and type of prey to reproductive success of Rhinoceros Auklets *Cerorhinca monocerata*. *Ibis* 122(3): 343-350.
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## Puffin

***Fratercula arctica*** [Linnaeus 1758, N Norway].

[*F.a. arctica*] SE Baffin Island & Hudson Bay S to Maine and E thru SW & S Greenland & Iceland to Bear Island, C & N Norway, Kola peninsula & S Novaya Zemlya. Winters at sea probably in W Atlantic.

[*F.a. grabae*] Faroe Islands, S Norway & SW Sweden S thru Ireland & Britain to Channel Islands and NW France. Winters at sea probably E Atlantic, Bay of Biscay & North Sea.

[*F.a. naumanni*] High E Arctic in NE Canada, NW & E Greenland to Jan Mayen, Spitsbergen & N Novaya Zemlya. Winters at sea.

Other name: Atlantic Puffin.

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- Camphuysen, C.J.** 2005. Seabirds at sea in summer in the northwest North Sea. *British Birds* 98(1): 2-19 (13).
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- Finney, S.K. et al.** 2003. Reducing the density of breeding gulls influences the pattern of immature Atlantic Puffin *Fratercula arctica* to a breeding colony. *Journal of Applied Ecology* 40: 545-552.
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## Horned Puffin

***Fratercula corniculata*** [J.F. Naumann 1821, Kamchatka].

Wrangel Island, Heard Island & Chukotskiy peninsula S thru Kamchatka & Commander Islands to Sea of Okhotsk, Sakhalin & N Kuril Islands and W Alaska S thru Bering Sea to Aleutian Islands and E thru Gulf of Alaska S to Queen Charlotte Island (British Columbia). Winters offshore and along sea coasts mostly near breeding grounds and casually S to C Japan and S British Columbia, N Washington & rare to Oregon & California.

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## Tufted Puffin

***Fratercula cirrhata*** [Pallas 1769, Bering Sea].

Hokkaido (N Japan) thru Kuril Islands, Sakhalin & Sea of Okhotsk to N Chukotskiy peninsula and W Alaska S to Aleutian Islands and E thru Kodiak Archipelago (Gulf of Alaska) and S to British Columbia & C California. Winters mostly at sea and along coasts from Kamchatka peninsula and S Alaska S thru breeding grounds to S Japan & S California.

Other name: Crowned Puffin.

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