

Map data sources

Seabird mortality data from:

US Fish and Wildlife Service. (2019). [2019 Alaska Seabird Die-off Factsheet](#). Retrieved 19 *September 2019*.

Climate and weather data from:

Thoman, R. & J. E. Walsh. (2019). Alaska's changing environment: documenting Alaska's physical and biological changes through observations. H. R. McFarland, Ed. International Arctic Research Center, University of Alaska Fairbanks.

Marine mammal mortality data from:

National Marine Fisheries Service; Alaska Region. (2019). Marine Mammal Stranding Network. unpublished data.

Salmon die-off data from:

US Fish and Wildlife, Alaska Department of Fish and Game, Local Environmental Observer (LEO) Network, Cook Inlet Keepers, Yukon Inter-Tribal Fish Commission, KYUK-Public Media for the Yukon-Kuskokwim Delta, and the US Forest Service

Imminently vulnerable communities data from:

Alaska Department of Commerce, Community, and Economic Development

Wildfire data from:

Alaska Fire Service, Alaska Interagency Coordination Center, and the Bureau of Land Management.

Insect Infestation data from:

US Forest Service and KFSK-Community Radio.

Caribou calving location data from:

Alaska Department of Fish and Game. 2002. Locations of satellite-collared caribou, Porcupine and Central Arctic Herds. Unpublished data. Fairbanks, Alaska.

Alaska Department of Fish and Game. 2004. Calving locations. Unpublished data. Fairbanks, Alaska.

Griffith, B., D.C. Douglas, N.E. Walsh, D.D. Young, T.R. McCabe, D.E. Russell, R.G. White, R.D. Cameron, and K.R. Whitten. 2002. The Porcupine caribou herd. Pages 8-37 in D.C. Douglas, P.E. Reynolds, and E.B. Rhode, editors. Arctic Refuge coastal plain terrestrial wildlife research summaries. U.S. Geological Survey, Biological Resources Division, Biological Science Report USGS/BRD/BSR-2002-0001.

Wilson, R. R., A. K. Prichard, L. S. Parrett, B. T. Person, G. M. Carroll, M. A. Smith, C. L. Rea, and D. A. Yokel. 2012. Summer resource selection and identification of important habitat prior to industrial development for the Teshekpuk Caribou Herd in northern Alaska. PLoS ONE 7(11)e48697.