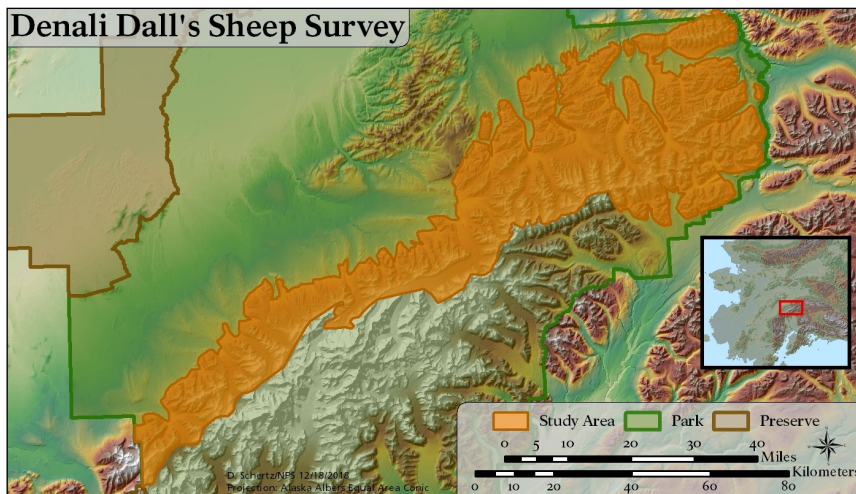




Dall's Sheep – 2018 Survey Summary

Denali National Park

The National Park Service conducted an aerial survey for Dall's sheep in Denali National Park between July 25th and 31st (with one additional day on August 29th), 2018. This survey area includes portions of game management units (GMU) 13E, 19C, and 20C. The survey method uses distance sampling following transects based on elevation contours to estimate the total population.



2018 Study Area surveyed for Dall's sheep in Denali National Park (Above).



Estimates: The provisional estimates for total sheep are 1928 (95% Bayesian Credible Interval: 1589 - 2404). This study area was surveyed in 2011, and annually since 2015. Based on the previous estimates it appears the population suffered a decline since 2011 and has started to recover. The lamb to ewe-like ratio is approximately average to potentially low. For the full estimate breakdowns see the table (below).

Upcoming surveys: We will continue surveys in this study area annually through 2020 as part of a region wide study.

This survey was conducted using a single aircraft based out of the Denali park strip. In total, 87 out of 95 transects were completed in approximately 32 hours of flight time. This data covers a study area on the north side of the Alaska range (see map upper right).

Provisional 2018 Dall's Sheep Estimates for the study area within Denali National Park, Alaska (Below).

	Denali	
	Mean	95% CI*
Total sheep	1928	(1589 - 2404)
Adults	1669	(1374 - 2095)
Lambs	260	(189 - 373)
Lambs:Ewe-like	0.22	(0.16 – 0.31)

* 95% CI = 95% Bayesian Credible Intervals

Contact Information: Maggie MacCluskie
CAKN Program Manager
(907) 455-0660

4175 Geist Rd
Fairbanks AK 99709
<https://www.nps.gov/im/cakn/dallsheep.htm>