



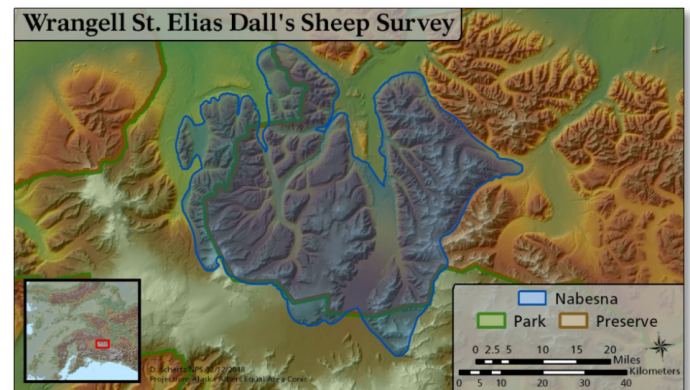
Dall's Sheep 2020 Survey

Wrangell-St. Elias National Park & Preserve

Survey Details

The National Park Service conducted an aerial survey for Dall's sheep in Wrangell-St. Elias National Park and Preserve between July 18th - 23rd, 2020. This survey area includes portions of state game management units (GMU) 11 and 12. The survey method uses distance sampling following transects based on elevation contours to estimate the total population. This survey was conducted by a single pilot-observer team based out of Nabesna.

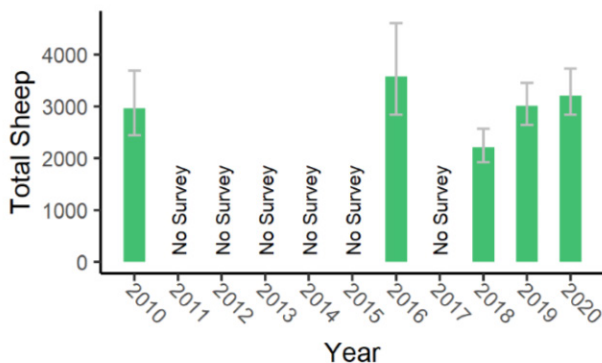
In total, 57 of 59 transects were completed in approximately 26 hours of flight time. These data cover a study area on the north side of the Wrangell range (see map right).



2020 Study Area surveyed for Dall's sheep in Wrangell-St. Elias National Park and Preserve.

Results

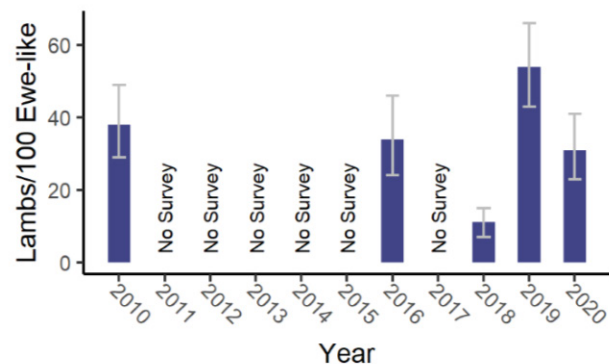
The provisional estimates for total sheep are 3200 (95% Bayesian Credible Interval: 2830 - 3724). The estimate this year is approximately stable when compared with previous surveys. The lamb to ewe-like ratio is average. For the full estimate breakdowns see the table.



Total Dall's Sheep Distance Sampling Estimates 2010-2020 for the Nabesna study area within Wrangell-St. Elias National Park and Preserve. Error bars indicate 95% Bayesian Credible Intervals.

Contact Information

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Reproductive success from 2010-2020 for the Nabesna subareas within Wrangell-St. Elias National Park and Preserve. Error bars indicate 95% Bayesian Credible Intervals.

Provisional 2020 Dall's sheep estimates for the Nabesna study area within Wrangell-St. Elias National Park & Preserve.

	Mean	95% BCI*
Total Sheep	3200	(2830 - 3724)
Adults	2620	(2297 - 3097)
Lambs	580	(455 - 762)
Rams	708	(570 - 886)
Lambs: Ewe-like	0.31	(0.23 - 0.41)

* 95% BCI = 95% Bayesian Credible Intervals