

Results of Seward Peninsula Muskox Composition Surveys, 2002*

Unit	Number and % muskox sampled	Bulls:100 Cows	% Yearlings	Yearlings:100 cows
22B	178 muskox (94%)	81:100	18%	48:100
22C	208 muskox (81%)	97:100	19%	57:100
22D*	454 muskox (59%)	47:100	19%	41:100
22E*	314 muskox (50%)	73:100	18%	49:100
23SW	170 muskox (88%)	78:100	13%	28:100

*The calculations in this table were made directly from the raw data collected in April 2002. In Units 22B, 22C and 23SW we sampled a large portion of the population found in the 2002 census and the estimates of bull:cow ratios and yearling recruitment are reasonably representative of the population in those units. However in Units 22D and 22E a much smaller portion of the total population was sampled and the group selection method favored sampling larger groups. In Units 22D and 22E, we did not sample many of the smaller groups that were likely to be all bulls. Therefore in Units 22D and 22E, the raw data probably underestimates the number of bulls, and overestimates cows and yearlings, so the bull cow ratios may be low and the percent of yearling a bit high in those units. With the help of Jay VerHoef, who developed the sampling scheme, we will further refine the estimates for Units 22D and 22E.