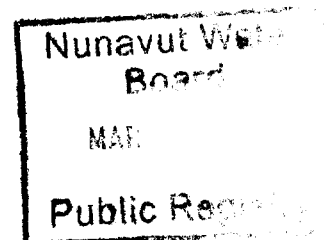


Project Summary

An ongoing, multi-year investigation of population ecology of arctic breeding waterfowl. Also, general ecological research of the arctic environment including arctic foxes, small mammal abundance, vegetation and landcover, snowcover and snowmelt as well as numerous species of birds and mammals and their interactions within a large arctic breeding goose colony. Research includes studies of body condition and nutrient analysis of harvested geese; sampling of nest density, species composition, habitat selection, breeding effort and success of arctic nesting geese and sea ducks; productivity, fidelity and migration of known individual geese, ducks and foxes using mark/recapture techniques; interactions between arctic foxes, small mammals and geese; population ecology of arctic foxes; effects of a large colony of breeding geese on the arctic environment including vegetation and landcover, snowpack and snowmelt, abundance of other species. Findings from these studies will help to answer many ecological questions regarding arctic breeding waterfowl and their interaction with the arctic environment, as well as provide valuable information that will be of importance in making sound management decisions. The project will take place in the Queen Maud Gulf Bird Sanctuary. Methods of transportation include fixed and rotary wing aircraft for access to and from the sanctuary; rotary wing aircraft for access to various study sites within the sanctuary as well as for surveying; motorized and human-powered boats/ watercraft; snowmobile; and walking. Structures already existing include 5 cabins at the Karrak lake camp, and 1 cabin each at Perry river camp, McNaughton lake camp and colony 46 camp. Annually, the camp(s) will be occupied for part or all of the period May 1 to August 31. Up to 20 people may be involved in field activities in the sanctuary at any one time during that period. Waste will be sorted according to that which can be buried (organic), that which can be burned, and that which does not fall into the above categories and must be flown out to Cambridge Bay. Greywater will be released away from open water, and the general camp area will be kept clean to reduce the likelihood of bears in the camp. Research activities are low impact as for the most part movement around the study area(s) is on foot.



8. Piluaqnaqtuliginiqmungittuq Havakhamun Uuktugutauyumun Nainaqhimayug

Atuqtaunginaqtut, amihunut ukiunut naunaiyainiq tapkuat amigaitniinut uumayuvaluit ukiuqtaqtumi ivavigiyainut imaqmiuttat tingmityat. Tapkuatluttauq, tamatkiumayumik uumayuvaluknut naunaiyaqnii tapkuat ukiuqtaqtumi avatiliginiqmun ilautitlugit ukiuqtaqtup tigiganniangi, mikiyut angutikhat amigaitnii, nauhimayut tapkuatlu nunap qagiyai, apihimaniit tapkuatlu aputip auktuqpalianii tahapkuatluttauq amihut allatqiit tingmityat angutikhatlu qanugiliuqpauhii tahamani angiyumi ukiuq ivaviuvaktumi kanguqnut. Naunaiyainiq ilalik qauyihaqniinik timigiyai qanugitniinik tapkuatlu nigivaktai naunaiyaqniinik anguyauyut kangut; naunaiyaqnii uplui qanugittakhai, angutikhaq qanugiqtuunii, nayuqpaktai upakpaknii, ivanahuaqpaknii maniliuqpakniilu tapkuat ukiuqtaqtumi kangut tapkuatlu tagiumi tingmityat, amigaiqpalianii, pityagiknii tapkuatlu aulaqpaknii naunaiqtauhimayut ilikkut kangut, imaqmiuttat tingmityat tapkuatlu tigiganniat atuqhugit titiqhimanii tiguyauvakniilu pityuhiit; qanugiliuqpaknii tigiganityat, mikiyut angutikhat tapkuatlu kangut; amigaitnii uumayuvaluknii tigiganiat; qanugittagutaunii amigaitpiaqtunut ivayunut kanguqnut tahamani ukiuqtaqtup avatigiyaani ilautitlugu nauttiat nunaplu qanga, aputiqaqniq tamnalut aputip auktuqpaknia, amigaitnii ahii angutikhaivaluit. Naunaiqtauuyut tahapkunangat qauyihaqtauuyunit ikayugutauniat kiuttaqniinik amigaittut uumayuvaluknut apiqtauuyut piplugit ukiuqtaqtumi ivavakniit imaqmiuttat tingmityat tapkuatlu qanugiliuqpauhii tahamani ukiuqtaqtumi avatigiyaayumun, tahapkuatlu piqaqtitnii atuqpiaqtut tuhaqtakhat atuqpiaqniaqmata nakuuyumik aulattiniqmun ihumaliugutitut. Tamna havanguyug atuqtauniaq Killingup Iluiliani Tingmityanut Hapuhimaviyumi. Havaguhiit aulatyutitut ilaqaqniat timiaqnut halikaptanutlu tikittaqniinut tahamna hapuhimmavik tapkunungalu naunaiyainiqmun; ingniqutilgit pauqtauuyutlu qainatlu/ imakuugutit; sikiitut; pihukpaklutiklu. Nappagiqhimayut tatyia ilalgit 5 tupiqpait talvani Karrak Tahiq hiniktaumavikmi, tamnalut 1 tupiqpak atuni Kuukyuaqmi hiniktaumavikmi, Mcnaughton Tahiqmi hiniktaumavikmi tamnalut tingmiagaluit 46 hiniktaumavikmi. Ukiuq tamaat, tapkuat hiniktaumaviit inuqaqpakniat ilainainik tamatkiqlutikluniit taphumani Mai ! talvunga Aagasi 31. Tikitlugu 20 inuit ilaulaqtut havakviuyuni huliniinut tahamani hapuhimavikmi atauttikkut atuqtitlugu tamna pivikhaat. Iqakut aviktauniat maliklugit tahapkuatlu ikualalaqtut (naptunii) ikualavakniat, tapkuatlu taimaingittut piyalgit agyagaulutik tingmitikkut Ikaluktutiakmun. Halumaittut imait kuviyauniat ahiinut imaqaqniit, tamnalut tamaat hiniktaumavik halumapkgauluni mikhihimanahuaqlugit akhait tikittaqnii hiniktaviknut. Naunaiyaiyit huliniit huvalangittut aktuanii tahapkununga amihuuniqhanut qanguqpakniinut tahamani qauyihaiviuyumi pihukpakmata.

