The most recent population estimate for Cumberland Sound belugas was based on aerial surveys conducted in 1999 (DFO, unpublished data).

ABSTRACT

The summer range of belugas (Delphinapterus leucas) in Cumberland Sound was surveyed on 6-9 August 1999 using aerial photographic surveys of the beluga aggregation in Clearwater Fiord and an aerial visual survey in northern (excluding Clearwater Fiord) and western Cumberland Sound. The 6 August 1999 photographic survey of Clearwater Fiord produced a count of 720 belugas visible at or near the water surface. A total of 64 belugas were also counted at or near the surface during the visual surveys over northern and western Cumberland Sound that same day. These surface counts were corrected for diving animals missed during the surveys to produce a population estimate. Initial analysis, based on data from belugas tagged with satellite-linked time-depth recorders in the High Arctic, resulted in a preliminary report of the population estimate of 1,547 belugas (95% CI 1,187 to 1,970). Further analysis, using dive data obtained from belugas tagged and tracked in Cumberland Sound in 1998 and 1999, produced a revised population estimate of 1,960 belugas (90% CI 1,590 to 2,409). Aerial surveys were also flown in 2005 to update the abundance estimate, but due to poor weather and equipment malfunction the results were not considered reliable.

ŰႭʹσϹϷϭʹʹჼჼʹʹჼͰϲʹϽͰΔϚͺϹʹʹϒϷϟͰϷϟͰϭʹʹʹʹʹͰͺͺϐʹͰϔͰϤʹͿͰͳͺϽ·ʹʹͰϢʹϐͼͰͰͺͰʹͼ ʹϐʹʹͰϹʹ;ͼͿϚʹʹϐϷϟϒʹϭ·Ϸϒϭ·ͼʹ1999 (ΔʹϐʹϽϲʹʹʹʹʹϔͿͼʹϪͰϲʹʹʹʹʹͰϷʹϴʹʹϽ,ͺͺϪΓʹϟϨʹͼϹϷϟͰͺ·ʹʹϒ·ϽϚ ϧϹϥϧϧϧϧϧϧϧϧϧϧ

$\sigma \nabla_c \subset U_{\ell^p} \Gamma f_c$

ላDአ_የዋር ወዲኒያር አራር (Delphinapterus leucas) Р_የሆኔ ላጋተር $^{\circ}$ 6025 $^{\circ}$ 6027 $^{\circ}$ bՈ°ልጐሁ°σ Clearwater Fiord-Γ ላዛጔ 'bጐሀር√ቃሪ' 'bÞት\'σÞረና ÞPÞጐርጐጋጐሀσ (ለ^ናb/ÞՈႭJ Clearwater Fiord) ላዛLン ለ[∿]ሁ°Ⴍ[®]ሁơ b[®]Ր[®]ታላጏሩ. ላውሀታ 6. 1999 ላ[™]ት⊂▷[™]CΓσ[™] Clearwater Fiord-Γ Cd^C\▷∩ና/ረ[™] 720-σ[™] ነρር ጋሀነσ[™] Cd^C\▷ረσ[™] ΔLD< ʹϳϧϧϧϭͺϪͰϤϧϧ϶϶϶ϲͺͺͺϐ϶ͺͺϧϲͺϽϦϹϲͺͺͼͺͰͺͽϲϹϲϪϧϲϲͺͺϪϹϷ<ͺͺͼϧϧϧϧ ᢗᡃᢐᡰᡆ᠘ᡩᡳ᠘ᠵ᠂ᢩᢋᡥ᠋᠙᠘ᡥᢗᠵᢀᡛᠼᡳᡧ᠘᠈ᠻᡪᠰᢣᢣᠺᡕ᠘ᡎ᠙ᠪᠵᠮᡩ᠂ᢆᡒᠻ᠘ᢟ᠙ᢕᢛᢆᡆᡒ᠘ᡕ 6 ᢦᠫ%ᢣᡣ᠍᠈᠂ᡏᡑᢧ᠘ᡶᢉᠸᠣᡪᢆᢧᡕ᠄᠙ᢕᡧᢣᢎᡳ᠘ᢣᠳ᠈᠙ᠸᢇ᠘ᡷᢐ᠂ᠣᡑ᠘ᢗᢩᢅᠸᠼᠦ᠂ᠮᡄᡕᢗᠵᡧᠳ 6°0°6'44_1 1998-1999. 5°6'JCD-44° 4°6'PO4°6'7L46° 5°5'D2'46° 1.960-6° 'PC__U'D' (90% CI 1.590 to 2.409). 'b%UCτbdc 'bD>\'σ'\C'bτL'L'\' 2005-Γ ﻪﺫᡝᡳᡆᡳ᠙ᠰᡅ᠂ᡏ᠘ᡩᢐᡥᢐᠣ ᠙ᢣᡆᠣ᠂᠘᠊ᡃᠳᠲᠫᢐᡳ᠘ᡕ᠂ᠳᠻᡎ᠙᠂ᢂᡖᢠᢥᡳᠮᠬᠾ 2576 PUCD4P706 5%645 PUCD4P4006