



## TUNIYAUHIMAYUT TALVUNGA

### NUNAVUT UUMAYULIRINIRMUT AULAPKAINIKKUT KATIMAYIIT

Naunairutikhat:

Ihumaliukhimayuq: X

**Hanaqitjutikhaq:** Tukhigiikhimayuq nuutaanguqtiqhimayunut talvuuna Katitiqhimayut Anguniagaiqaqtangit talvani M'Clintock Channelmi nanuit amigaitilaangait taima 3mi 18mun

#### **Naunaitumik Naunairutikhaq:**

- Talvani M'Clintock Channelmi nanuit amigaitilaangit tamaat Kitikmeot aviktuqvingmiitun (Naunaitkun 1mi). Aulagiikhimayut avatikhangit talvani M'Clintock Channelmi naunaiqhimayut talvuuna piyauhimayunik naunaitkuhiqhimayut nanuit aulaningitlu arnaqluingit talvuuna nallautirutikkut kungmiitunik naunaiqhimayunik hanigaqpangmiitunik (Taylor and Lee, 1995; Taylor et al., 2001) qanuritmangangitlu naunairutikhat talvani amigaitilaangani (Paetkau et al. 1999, Campagna et al., 2013; Peacock et al. in prep). Ukuat avatiliqiqutingit ayungnautiqaqtutun iqaqtun angiyunik qikiqtangni talvani kivanmi uataanun, nunaqyumin, hivuraamun, ukiuqaqyuaqtunik hikunik talvani Viscount Melville Soundmi tununngamun. Siksiuyunik ukiunganik naunaitkutihiqhimayut taima angufaaqhugit hiningnaqtiqhugit ihivriuqtaufaaqpaktait qitqani ukiungit 1970nik (Furnell and Schweinsburg 1984) ilitugiqtitivakhimayut ~1100nik uumayunik talvani hanigaqmi taima avatingnuhimaahugit tamangnik M'Clintock Channelmi Gulf of Boothia-lu (Naunaitkun. 1mi.). Kanatam/Aviktuqhimayutlu Nunaqyuaqit/Ukiuktaqtuniituniklu Nanungnik Ayuittiagiikhimayut Katimayiit (PBTC) "ihuaqhaivaktaat" tamna M'Clintock Channelmi nallautiqhimayut talvunga 9 hananik nanungnik (COSEWIC-kut, 2008-mi) talvunga huna nallautiqhimayunik amigaitilaangitni naunaiyagiikhimayunik talvunga Furnell-mi Schweinsburg-milu (1984mi) ihivriurutmi. Nunalaani katimapkaihimaqtilunik 1993mi, nunlaani anguniaqtiit ihumaliuyagiikhimavaktun taima ikikliyumiquplugit talvani M'Clintock Channelmi anguyauyukharnik taima 7 hananik uumayunik taima ihumagamik ikikliyumiliqhimagamik amigaitilaangit hivuraani uataanilu amigaitilaangit anguyauhimayunut naunairutikhat. Nuutaanguqtiqhimayuq TEK-ngit nallautiqhimayut 7 hananik pigiaqtitighimayuq tapkuninga PBTC-kunin akinikharnik taima nuutaanik ihivriuqtinani iniqtinani, ukuningalu M'Clintock Channelmi nanungnik anguyauyukhat kihititiqhimayunik naunairutikhangit aulahimayut talvani TEK-nik nallautiqhimayunik. Ihuarutikharnik ilitagiyautjutikharnik pinnginamik talvuuna tamangnik nallautiqhimatjutingnik.
- Inigiikhimanikkut talvuuna naunairutihimayuq anguyauhimayunik nallautirutiit upinngami 2000mi, amigaitilaangit nallautiqhimavaktun taima 284nginangnik nanungnik naunaiyaivakhimayut (SE = 59.3; Taylor et al. 2006). Nallautigiikhimayuq anguyauyukhangit (taima 34nik nanungnik anguyauvakhimayut ukiuk tamaat talvanganin 19798mi-1999mun) talvani M'Clintock Channelmi, taima naunaiyagiikhimayut talvuuna 7 hananik nallautiqhimayut anguyauyagiikhimangitun. Nunavut Kavamangit aulatitihimavakhimayut taima nutqaqtitivaktun anguyauyukharnik talvuuna

2001mi/2002mun 2002mi/2003mun anguniaqvikharnik ukiungani. Aulayagiikhimayuq anguyaangat M'Clintock Channel-mi ilitagiyauhimayuq talvuuna pingahunik ukiukmi atauhirmi talvattuanuanik malrunnik anguhalungnik atauhirmik arnarlungnirmik anguyaangat anguyakharnik taima amigaitilaangit amigaiqyumigiangat 7 hanatmun. Ihumagiplugu anguyauniq nanungnik talvanganin ihivriuninga iniqhimayunik 2000mi, aulayut nallautiqhimayut talvani M'Clintock Channel-mi amigaitilaangit aadjiliukhimayunik taima 336nik (SE = 130nik).

- Tamna nallunaqtunik ilitugitjutikhangit, taima naunairutiqaqtuq ikikliyumiqhimayunik nangnik talvani M'Clintock Channel-mi in 2000mi anguyauhimagamik, ikayuutiqaqtuq taima Nunavut Kavamangit maniktaqvikharhimayunik TEK-ngitlu ihivriutjutingnin. Urhuqtuurmi anguniaqtiit ilitugipkaivaktun taima nanuit hannguinaqtun nunalaani haniraqmi ikikliyumiqhimayut taima ukiunganik 30nik (Keith et al., 2005). Allaqiinguyut hanigakpait ikikliyumiqhimayutlu amigaitilaangit nanuit ilitagiyauvakhimayutlu talvani Royal Geographical Society Islandsmi, Pasley Baymi, tununngani King William Islandmi, Gateshead Islandmi, Larsen Soundmi, M'Clintock Channel-milu (Atatahak Banci-lu 2001mi). Inuit ihumaliukhimayut taima nanuit aulayuqangnaiqtuq talvani Queen Maud Gulf-mi hanigakpaina aulatinani angutailinikkut talvani (Keith et al. 2005mi). Inuinait anguniaqtiit ilitugipkaivaktun ikiklilaaqhimayutlu anguhaluit nanut hivuraani aviktuqvingnik talvani M'Clintock Channel-mi kihimi naniyaiyut taima angiyut anguhaluit nanut nalvaaqtaunginaqtun tununnganiluaqtuni (Atatahak Banci-lu 2001-mi; Keith et al. 2005mi). Una maniktaqvikhaq aulahimaaqtuq talvuuna inuk nigiyugiyamingnik talvanga anguhaluit anguyaunginaliaqtunik (Taylor et al., 2008mi).
- Ilaunikkut munagiyauluangitunik anguyaunginaqtun, allanguqtirutingit aulavingitlu inungninlu hanigaqtigiinalikhutik ilitagiyauhimavaktun Inungnin talvuuna ihumagiyauvakhimayut ikikliyumirutikhangit nanuit talvani M'Clintock Channelmi (Keith et al., 2005mi). Atauhiinaunginaqtuq allanguqtirinikkut hikunik qaffiunik ukiulik nilakyuangitlu, taima ikikliyumirutigivaktun hanigakpaingit ikiliumirutigivakhimayuq taima talvanga havgaingit hikumalaqtitivakhimanikkut (nattiup agluit) havakhimayut kiklingani ukuat nallakyuangit ukiuqaqyuqaqtunik hikut puptalaaqtunik. Inungnin hanguhimaaqtun avatingnun napaqtiginikkut DEW (Distant Early Warning) line-nik, napaqtiginikkut Inukshungnik, nivyaqaqtuniklu tingmitingnin sikiituninlu taima ihumagiyauvakhimayut tununnganiiluaqtunut nanungnun talvani nunalaani hanigangni Urhuqtuurmi (Keith et al., 2005)mi.

### **Aulayagiikhimayut Kihititijutiingnin**

- Talvani Nunavut Uumayulirinirmut Aulapkainikkut Katimayiingit katimaviani Imaruqtirvia (2013mi) Kitikmeoni Avikturniani Uumayuliyut Katimayit aituqpakhimayut amigaikyumiqtukhat talvani M'Clintock Channel-mi Katitiqhimayunik Anguyaugiaqaqtukharnik taima 15nik nanungnik, katitiqhimayunin talvanga 18nik nanungnin.
- Aituhimayut naunaiyagiikhimayut talvuuna titiragiikhimayunik ilitugitjutingnin nunalaani anguniaqtinin amigaitilaangit amigaiqyumiliqhimaqtun.

- Atulihaaliqtilugu Qitiqauyaqvia 2014mi, Nunavut Kavamangat aulatitiniagtun pingahunik ukiunik qanuritmangangit inuuhiangit nallautjutikharnik ihivriurutmik nallautiqtitiyaangat amigaitilaangit nanuit talvani M'Clintock Channel-mi.
- Naunaiyagiikhimayut hadja amigaitilaangit nallautiqhimayut pilimaitun 2017nguqtinani.
- Atuqhugit naunaiyagiikhimayut kihitjutikhangit talvanga 1998mi 2000mun ihivriutjutiit anguyauyunut naunairutingnin talvuuna 2000mi 2012mun naunaiyagiikhimayut hanaqitjutikhanganin, nallautiqhimayut qaffiutlaangit nanuit talvani M'Clintock Channel-mi imaituq 336nik (SE 130mi).

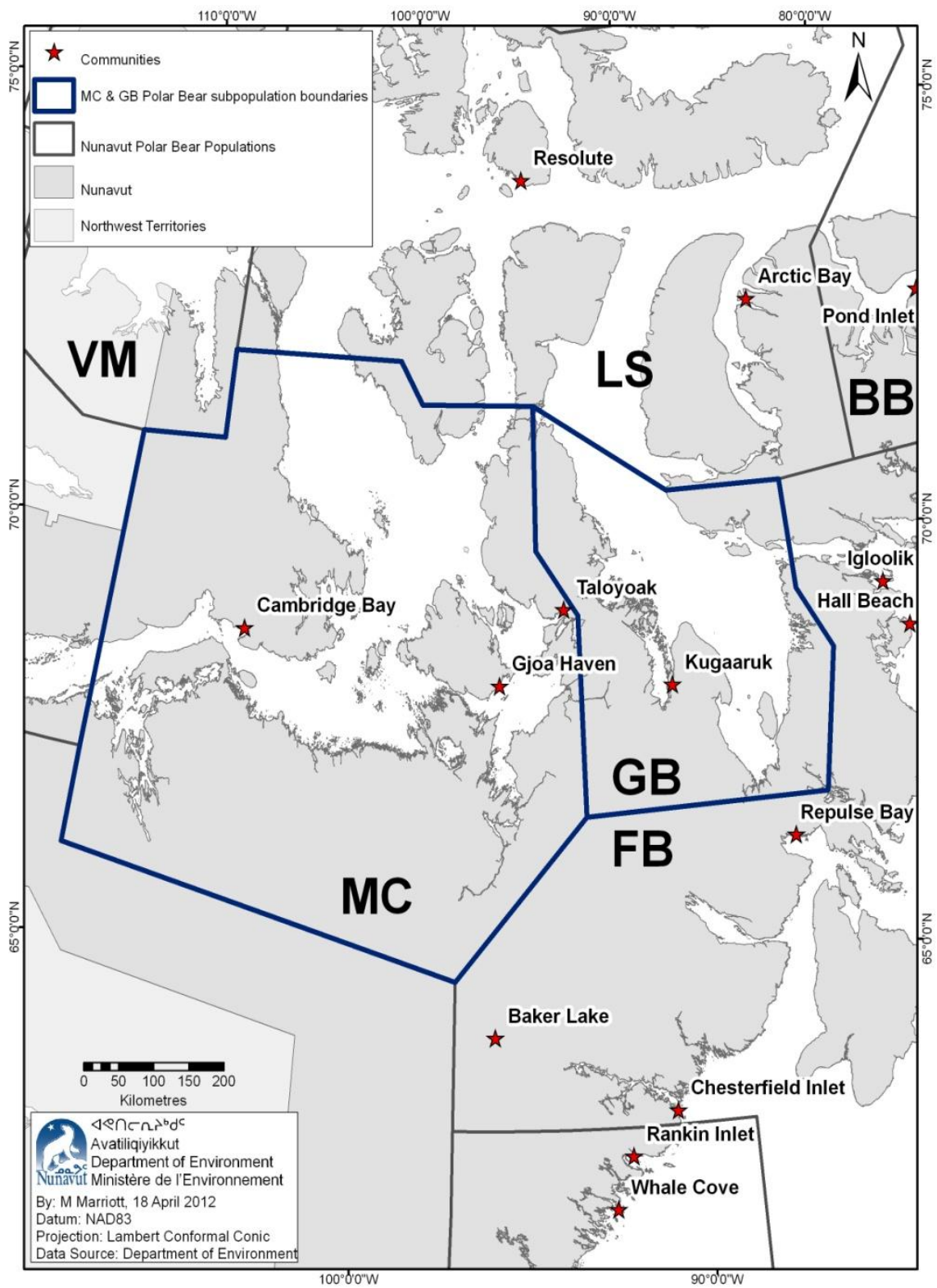
### **Atuquyauyut:**

- Talvani M'Clintock Channel-mi amigaitilaangit ihumagiyauvaktuq ikikliyumirningani talvuuna nallautauqyumihimayunin 284nik nanungnin (2000nik), amigaikyumiangit nallautirniaqhimayaat nampangit taima 750nik nanungnik talvuuna ukiungani 2005mi Naunaitkut Angiqatigiiknirmut, mikiutlu Katitiqhimayut Anguyaugiaqaqtunik taima pingahunik nanungnik atuquyauluaqplugit. Aulayagiikhimayunik anguyakhainik, naunaiqniaqtun taima 2027mun nallautigiangat nampanganganin taima 750nik nanungnik, ihumagiplugit nallautiqhimayut aktilaangit 2000mi ihivriutjutitingnin allanguqtiluaqhimangitkumik.
- Talvuuna katimanikkut pivalliatjutikhatigun nuutaanik Nunavut Nanungnik Munagitjutikhatitigun, Anguniaqtuliyiikkut Havagviingit katimayit ilauyutlu nunalaani talvani Iqaluktuutiaqmi, Urhuqtuuqmi, Taloyoakmi uqallakhimavaktun taima namagivaktun amigaitilaanganik nanungit talvani M'Clintock Channel-mi. Nunalaani Anguniaqtuliyiikkut ilauyunin ilitugipkaivaktun taima qayangnaluangitun tangmaagiangat nunami amigaitunik hanigakpangni talvani iluani amigaituqaqtunik avatiliqiviani.
- Ilitugipkaiyaangat nunalaani qayangnaitkutikhangit ihumagiyauhimayut, Nunavut Kavamangat Avatiliqiyiikkut namagiyaat mikiumik anguyakhangit talvani M'Clintock Channel-mi Katitiqhimayut Anguyaugiaqaqtunik taima avatquhimaitumik siksiunik nanungnik taima nuutaaq naunairutikhangit piyautinanik, taimalu ihuaqtumik ihivriutjutikhat amigaitilaangit kihititijutiit havagiikhimaligumik (Naunaitkut 2mi). Una mikiuk amigaiqyumirutikhaq talvani titiqani Katitiqhimayut Anguyaugiaqaqtunik akuniraalngitumik atuqtakharnik ihumagihimaiqhugu tamna uumayuliyiikkut ihumaalutikhangit.

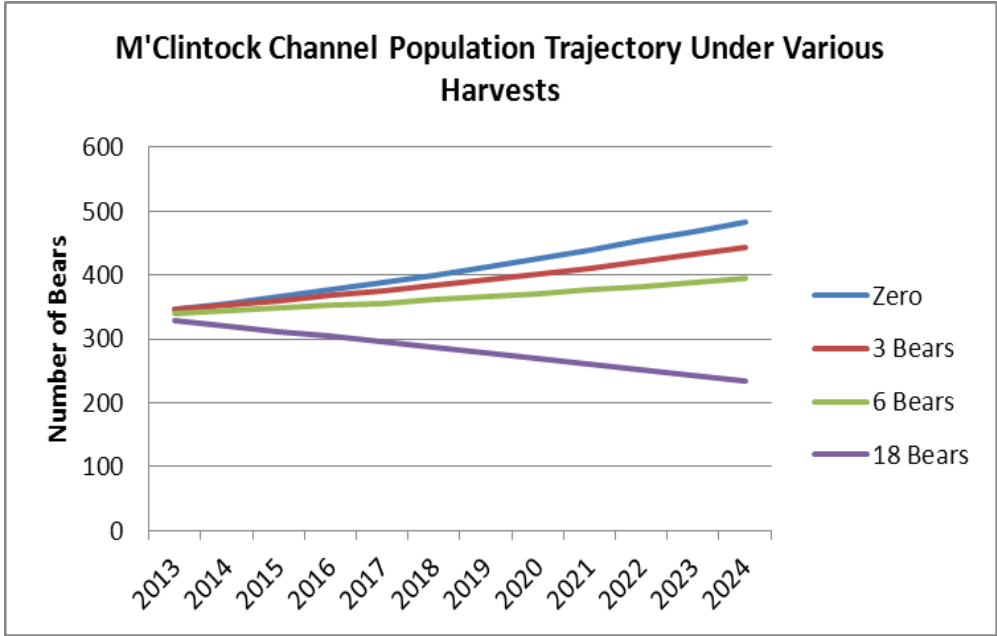
### **Naunairutikhat ihumagiplugu qakugu naunaiyailigumitku tamna - Katitiqhimayut Anguyaugiaqaqtunik:**

- Aulayagiikhimayuq pihimayut naunairutikhat talvani M'Clintock Channel-mi nanuit amigaitilaangit ublunga naunaiyagiikhimaligumi. Nallunaqtuq qanuq avatiliqinikkut allangutirutikhangit, ikikliyumiqhimayut nanuit aulaviit qanuritmangangitlu ukiungitlu naunairutingit nanuit taima ayungnautigiliqhimayut amigaitilaangit angikliyumirutikhangit aulaviingit, taima amigaitilaangit munagiyauvaktulunik angikliyumigiangat talvanganin 2000mi.

- Nuutaaq amigaitilaangit nallautikhimayut pigiaqaqtun 2017mi taima naunaiyainiaqtuq ihvriuqfaarutikharnik kihititijutikhhatigun munagiyaangitlu anguyauhimaqaqtunik talvani M'Clintock Channel-mi amigaitilaangani.
- Hadjalgaminun, nallautiqhimayut nampanga talvani M'Clintock Channel-mi amigaitilaangit 750nguyut 2005mi Naunaitkut Angiqatigiiknirmut. Pivalliatjutikhaq nuutaanguqhimayumik Nunavut Nanungnik Munagitjutikharnik aituiniaqtuq hanaqitjutikharnik uqaqqatigiyaangat ihumaliugiangatlu hivunirmun munagitjutikharnik hivunirharnik talvani M'Clintock Channel-mi nanuit amigaitilaangit (imaatun itun, nallaulugu nampakhangit talvani M'Clintock Channel-mi).
- Ihumaliuqaqqan talvanga Nunavut Uumayulirinirmut Aulapkainikkut Katimayiingit havagiikhimaqan allanguqtitiyaangat aulahimayuq M'Clintock Channel-mi Katitiqhimayut Anguyaugiaqaqtunik, taima tuniqhaitjutikhat angutjutikhat aulaniaqtun talvuuna malikhautikkut munagitjutingniitun Avaiktuqvingniitun Uumayuliqiyut Katimayiinin, malikhautiqaqlunik anguyagiaqaqtunik naunairutingnik.



Naunaitkunmi 1mi. Nunauyarmi avatilirhimayut tapfuminga M'Clintock Channelmi nanuit amigaitilaangit (MC).



Naunaitkunmi 2mi. Nallautiqhimayut amigaitilaangit aulaningat talvani M'Clintock Channel-mi amigaitilaangait taima 12lunik ukiunganik talvanga hitamauyunik allatqiinganin anguyauhimayunik naunairutingnik, anguyaungitunik, aulahimayut talvanga Katitiqhimayut Anguyaugiaqaqtunik-mi pingahunik nanungnik, amigaitilaaqhimayut taimanguqhimayuq siksini nanungnik, atuquyangitlu amigaiqyumiqhimayut 18nik nanungnik.

## **Titiraqhimayut Atiqaqhimayut uvani:**

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