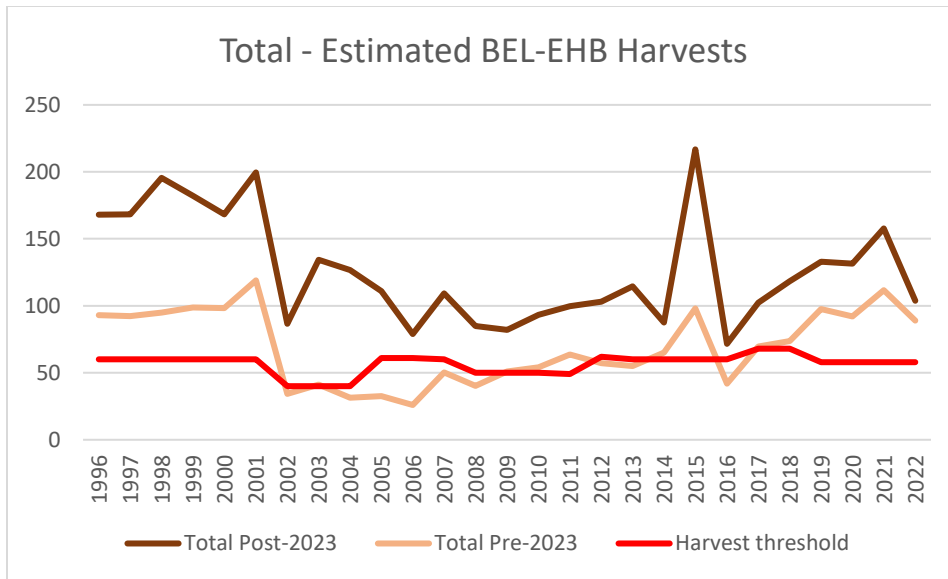
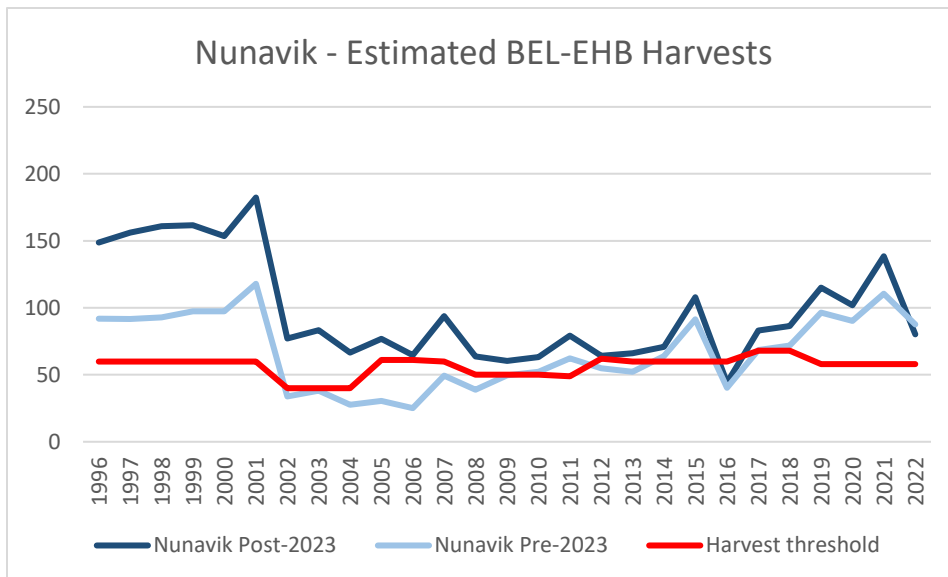


ANNEX A – Graphs and tables

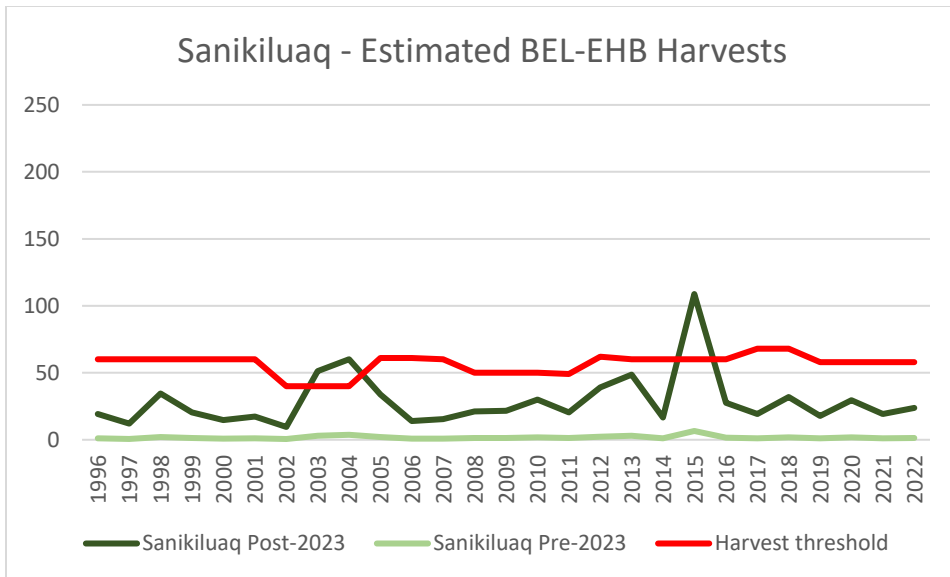
Graphs



Harvest statistics comparing estimated BEL-EHB harvest numbers pre and post 2023 genetic reanalysis. Total estimated BEL-EHB harvests in Nunavik and Sanikiluaq combined post-2023 reanalysis (dark orange) and pre-2023 reanalysis (light orange). The red line represents the Harvest Threshold of BEL-EHB animals, i.e. the maximum number of removals recommended by DFO to meet the management objectives.



Harvest statistics comparing estimated BEL-EHB harvest numbers pre and post 2023 genetic reanalysis. Total estimated BEL-EHB harvests in Nunavik post-2023 reanalysis (dark blue) and pre-2023 reanalysis (light blue). The red line represents the Harvest Threshold of BEL-EHB animals, i.e. the maximum number of removals recommended by DFO to meet the management objectives.



Harvest statistics comparing estimated BEL-EHB harvest numbers pre and post 2023 genetic reanalysis. Total estimated BEL-EHB harvests in Sanikiluaq post-2023 reanalysis (dark green) and pre-2023 reanalysis (light green). The red line represents the Harvest Threshold of BEL-EHB animals, i.e. the maximum number of removals recommended by DFO to meet the management objectives.

Figures and data from (Note: Harvest data from 1974-1995 has been excluded):

[Total Abundance and Harvest Impacts on Eastern Hudson Bay and James Bay Beluga 2015– 2022](#)

Tables

Nunavik – BEL-EHB harvest proportions before and after 2023 genetic reanalysis					
		Pre-2023 Reanalysis		Post-2023 Reanalysis	
Season	Zone	%WHB	%EHB	%WHB	%BEL-EHB
Spring (Feb1-Aug31)	Hudson Strait	82.9	11.7	75.7	12.3
	NE Hudson Bay	No data	No data	No data	No data
	Ungava Bay	87.4	6.0	87.8	4.7
Fall (Sep1-Jan31)	Hudson Strait	67.6	29.1	49.6	44.0
	NE Hudson Bay	49.1	44.5	37.3	50.1
	Ungava Bay	No data	No data	No data	No data

Sanikiluaq – BEL-EHB beluga harvest proportions before and after 2023 genetic reanalysis					
		Pre-2023 Reanalysis		Post-2023 Reanalysis	
Season		%WHB	%EHB	%WHB	%BEL-EHB
Spring		77	2	7	63
Summer		62	26*	0	100*
Fall		98	0	28	61
Winter		31	37	44	40

Past genetic mixture analysis (1982-2018) using the Pella-Masuda model to determine the proportions of beluga from WHB or BEL-EHB stock in the harvest of Nunavik and Sanikiluaq management units (format modified, from Hammill et al. 2021; BEL-EHB stock was identified as EHB population in the original document). WHB: Western Hudson Bay, EHB: Eastern Hudson Bay.

Tables and data from:

[Re-examining populations of beluga in the Hudson Bay-Strait Complex and assessing the impact on harvests in Nunavik and Sanikiluaq management units](#)

Acronyms:

BEL: Belcher Islands beluga

EHB: Eastern Hudson Bay beluga

BEL-EHB: Belcher Islands-Eastern Hudson Bay beluga

WHB: Western Hudson Bay beluga