

# QWB-QIA Joint Caribou Submission to the Nunavut Planning Commission

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## Written Submission QWB-QIA 2023-A-04: Community Areas of Interest: Caribou Harvesting

**Proposed designation:** Limited Use

**Prepared By:** Jointly prepared by QWB and QIA, with support from Firelight Research Inc.

**Submitted To:** Nunavut Planning Commission

**Date:** February 10 2023

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### **Introduction**

This written submission summarizes caribou harvesting areas identified by the HTOs of the Qikiqtaaluk Region, which QWB and QIA are requesting that NPC designate as Limited Use. This written submission is part of a joint QWB-QIA caribou submission package that includes a Technical Memorandum and three other joint written submissions identifying caribou calving and post-calving habitat (written submission 2023-A-01), caribou winter habitat (written submission 2023-A-02), and caribou movement corridors (written submissions 2023-A-03) in the Qikiqtaaluk region of Nunavut. The Technical Memorandum provides critical background information and a summary of methods used to develop this submission, and should be reviewed in tandem with the contents of this submission.<sup>1</sup>

### **Importance of Harvesting Areas**

*Tuktut* (caribou) are critical to the strength, wellbeing, and sustainability of Inuit culture and heritage; the Arctic tundra caribou populations of Baffin Island are a key species in the northern ecosystem. These caribou exhibit long-term cycles in their populations (Ferguson et al., 1998), exacerbating their vulnerability to human disturbances during periods of low abundance, which can last for years or decades.

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<sup>1</sup> Note: Many of the discussions with HTO members focused on barren-ground caribou on Baffin Island, Melville peninsula, and the surrounding islands. Unless otherwise noted, the importance of habitat types and harvesting areas should be considered to equally apply to Peary caribou in the high Arctic. The heightened sensitivity of Peary caribou to climate change, particularly in terms of impacts to sea ice crossings and winter habitat, has been highlighted wherever possible, and seasonal timing windows have been modified to the extent of available knowledge.

Caribou harvesting areas are exceptionally important for Inuit communities, as evidenced by one workshop member, who reminded the room that while discussing caribou, they are talking about the food on their table. Inuit people are not farmers, and they do not have the same agricultural systems as other peoples. Being able to reliably harvest caribou is critical for the long term survival of Inuit communities and culture. The intrinsic value of these areas coupled with the deeper ties to Inuit culture and identity is what creates such a powerful space, and why community members are so determined, adamant and particular about protective measures (QIA / QWB Workshop notes, December 9, 2022).

For Inuit, the importance of *tuktut* extends beyond the nutritional face-value of the meat: caribou are also a critical source of social and cultural identity. Harvesting is an opportunity for intergenerational knowledge and practices to be diffused and reinvigorated throughout the community. In October and December 2022, workshop participants shared their extensive repertoire of practices and traditions that accompany the harvesting of *tuktut* and the stories and knowledge passed down by their parents, grandparents and community members. The language that surrounds the harvesting of caribou is a testament to the intrinsic connection between these animals and Inuit communities; as is the case of an area near Pond Inlet named *Pangituk* due to the high abundance of bulls (QIA / QWB Workshop notes, October 11, 2022).

When *tuktut* are harvested, nothing is discarded. Out of respect for the animal and Inuit stewardship, all parts of the caribou have a use. One participant recalls that they would go back and forth to make sure they didn't leave anything behind after harvesting a caribou (QIA / QWB Workshop Notes, October 11, 2023). The relationship between Inuit and caribou is based on mutual respect, highlighted by one workshop participant who shared that their ancestor used to say: *"make sure you are careful that you don't make the caribou migrate a different way. Respect their ways of migrating even if you're hunting, otherwise they could take a different route."* (QIA / QWB Workshop notes, October 12, 2022).

As noted by attendees at both the Pond Inlet and Iqaluit Public Hearings, the access and maintenance of travel routes to harvesting areas, in particular, have changed across Baffin Island.

*"Our northern land with spring travels, we cannot go too far anymore... The travel routes are eroding. We can no longer travel to the north shores of our community. It was a good hunting area with many mammals, and we cannot access it anymore... Our caribou hunting areas during the summer were inaccessible because of the ice problem. We used to travel. Now we are traveling on the east coast of our community to access different caribou hunting areas."* — Pond Inlet Public Hearing, (October, 2022)

*"For instance, in 2008, my sons and I — with two other boats — we used to travel freely to an area where there were animals. In 2008, it was all gone. Disappeared. Netsilik area, a faraway place; when we travel to harvest caribou, three of us travel to harvest. In 2011, Netsilik used to be teeming with caribou. It occurred to me that this area alone was where we harvest caribou. In 2011, where we traditionally hunt caribou, none were there. So, we traveled a little further southeast towards Iqaluit, and we saw tracks all*

*heading in this direction toward Cape Dorset and the South Baffin area. We saw this and where the caribou were disappearing to.” — Iqaluit Public Hearing, (November, 2022)*

Protecting these spaces for harvesting caribou is synonymous with protecting these spaces for the future and wellbeing of Inuit people, culture and language.

### **Delineation Methods**

Please see the accompanying Technical Memo, section 3, which describes how these areas were delineated, verified, and supported through additional data review.

### **Results**

Table 1 summarizes the revised and new polygons included as harvesting areas in this submission, and includes a further rationale for each area based on a review of available IQ and western science overlapping with each polygon. Sources of IQ and western science are detailed in Section 3.5, Table 1 of the accompanying Technical Memo. The table below also notes where each identified polygon originally overlapped with another habitat or use type (e.g., calving / post-calving habitat, winter habitat or movement corridors). Polygons (or clusters of polygons in close proximity) are numbered in the table and accompanying map for ease of review. The submission includes two different categories of polygons:

1. Areas identified as harvesting areas in QWB’s 2018 submission to the NPC, which were not accepted into the 2021 DNLUP and subsequently updated during the HTO workshops in 2022. QWB and QIA are requesting that these areas be reflected in the final version of the Nunavut Land Use Plan.
2. New areas identified as harvesting areas in the HTO workshops in 2022. In some cases, these areas overlap with polygons identified in QWB’s 2018 submission as multi-value areas — areas of important caribou habitat that were not brought into the 2021 DNLUP. All overlaps with other designations (either from 2018 or from the 2022 workshops) are noted in Table 1.

Note that Table 1 does not include harvesting areas that were previously submitted by QWB in 2018 and not accepted in the 2021 DNLUP. QWB and QIA request that these areas also be included in the final NLUP, and are re-submitting these areas as part of this spatial package.

*Table 1. List of revised and new polygons submitted to the NPC as final Harvesting Areas for the Nunavut Land Use Plan. Rationales are provided for: (1) Areas previously submitted in 2018 that have been updated and (2) New submission areas. The table only includes areas not accepted in 2018 that were revised in 2022 during HTO workshops. Other harvesting areas submitted by QWB in 2018 that were not accepted into the 2021 DNLUP are not included in this table but are included in the spatial package for this submission.*

Polygon No.	Rationale for Submission
Updates to the QWB 2018 Caribou Harvest Submissions to NPC	
37	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with telemetry data (1987-1994).</li> <li>• Overlaps with observed caribou from the Baffin Island Caribou Population Survey (2014).</li> <li>• Overlaps with Core North Baffin Area identified in the Baffin Island Caribou Consultations (2012)</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> <li>• Overlaps with the calving and post-calving kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the rut and early winter range kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the winter range kernel density estimates (Campbell et al., 2015)</li> </ul> <p>Note that portions of this area were also identified as an important caribou movement corridor(s). Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
38	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with observed caribou from the Baffin Island Caribou Population Survey (2014).</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> <li>• Overlaps with Caribou Area identified in the Baffin Island Caribou Consultations (2012).</li> </ul> <p>Note that portions of this area were also identified as important caribou movement corridor(s). Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
39	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> <li>• Overlaps with 2018 QWB Multi-Value Area Submission Hall Beach – WS 33.</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat. Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>

Polygon No.	Rationale for Submission
New Caribou Harvest Submissions	
40	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with telemetry data (1987-1994 and 2008-2011).</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> <li>• Overlaps with Female Caribou Area delineated in the Baffin Island Caribou Consultations (2012).</li> <li>• Overlaps with the calving and post-calving kernel density estimates (Campbell et al., 2015)</li> <li>• Overlaps with the rut and early winter range kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the winter range kernel density estimates (Campbell et al., 2015)</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat and movement corridor(s). Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
41	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> </ul> <p>Note that portions of this area were also identified as important caribou movement corridor(s). Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
42	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> </ul>
43	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with telemetry data (1987-1994 and 2008-2011).</li> <li>• Overlaps with observed caribou from caribou composition surveys (2015-2022).</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> <li>• Overlaps with Core North Baffin Area delineated in the Baffin Island Caribou Consultations (2012).</li> <li>• Overlaps with the calving and post-calving kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the rut and early winter range kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the winter range kernel density estimates (Campbell et al., 2015)</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat, and movement corridor(s). Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
44	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> </ul>

Polygon No.	Rationale for Submission
	<ul style="list-style-type: none"> <li>Overlaps with Calving Area delineated in the Baffin Island Caribou Consultations (2012).</li> </ul>
45	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with observed caribou from the Baffin Island Caribou Population Survey (2014).</li> <li>Overlaps with Caribou Harvesting IQ data.</li> <li>Overlaps with Caribou Area delineated in the Baffin Island Caribou Consultations (2012).</li> <li>Overlaps with caribou observations from the HTO-led ground surveys (Campbell et al., 2015).</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat, and movement corridor(s). Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
46	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> </ul>
47	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with telemetry data (1987-1994).</li> <li>Overlaps with Caribou Harvesting IQ data.</li> <li>Overlaps with the rut and early winter range kernel density estimates (Campbell et al., 2015).</li> <li>Overlaps with the winter range kernel density estimates (Campbell et al., 2015).</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat. Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
48	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with telemetry data (1987-1994).</li> <li>Overlaps with observed caribou from caribou composition surveys (2015-2022).</li> <li>Overlaps with observed caribou from the Baffin Island Caribou Population Survey (2014).</li> <li>Overlaps with Caribou Harvesting IQ data.</li> <li>Overlaps with 2018 QWB Multi-Value Area Submission Meta Incognita – WS 32.</li> <li>Overlaps with the rut and early winter range kernel density estimates (Campbell et al., 2015).</li> <li>Overlaps with the winter range kernel density estimates (Campbell et al., 2015).</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat. Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
49	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> </ul>

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	<ul style="list-style-type: none"> <li>• Overlaps with telemetry data (2008-2011).</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> <li>• Overlaps with Core North Baffin Area delineated in the Baffin Island Caribou Consultations (2012).</li> <li>• Overlaps with the calving and post-calving kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the rut and early winter range kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the winter range kernel density estimates (Campbell et al., 2015)</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat, and movement corridor(s). Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
50	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> </ul>
51	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with Historical Caribou Area delineated in the Baffin Island Caribou Consultations (2012).</li> </ul>
52	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with telemetry data (1987-1994).</li> <li>• Overlaps with observed caribou from caribou composition surveys (2015-2022).</li> <li>• Overlaps with calving areas from Chowns and Popko, 1979.</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> <li>• Overlaps with the calving and post-calving kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the rut and early winter range kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the winter range kernel density estimates (Campbell et al., 2015).</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat. Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
53	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with telemetry data (1987-1994).</li> <li>• Overlaps with observed caribou from caribou composition surveys (2015-2022).</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> <li>• Overlaps with the rut and early winter range kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the winter range kernel density estimates (Campbell et al., 2015).</li> </ul>

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55	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with telemetry data (1987-1994).</li> <li>• Overlaps with observed caribou from the Baffin Island Caribou Population Survey (2014).</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> <li>• Overlaps with Qikiqtarjuaq Hunting Area delineated in the Baffin Island Caribou Consultations (2012).</li> <li>• Overlaps with Historical Caribou Area delineated in the Baffin Island Caribou Consultations (2012).</li> <li>• Overlaps with the rut and early winter range kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the winter range kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with survey area from Chowns, 1978 - exact caribou locations unspecified.</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat. Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
56	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> </ul>
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61	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with observed caribou from the Baffin Island Caribou Population Survey (2014).</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> <li>• Overlaps with observed caribou from the Baffin Island Caribou Population Survey (North Melville Peninsula Abundance Survey – March 2014).</li> </ul>
62	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> </ul>
63	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> </ul>
64	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with telemetry data (1987-1994).</li> <li>• Overlaps with observed caribou from caribou composition surveys (2015-2022).</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> <li>• Overlaps with survey area from Chowns, 1978 - exact caribou locations unspecified.</li> <li>• Overlaps with calving and post-calving kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the rut and early winter range kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the winter range kernel density estimates (Campbell et al., 2015).</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat. Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
65	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with 2018 QWB Multi-Value Area Submission Meta Incognita – WS 32.</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat. Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>

Polygon No.	Rationale for Submission
66	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with Historical Caribou Area delineated in the Baffin Island Caribou Consultations (2012).</li> </ul>
67	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with telemetry data (1987-1994).</li> <li>Overlaps with observed caribou from caribou composition surveys (2015-2022).</li> <li>Overlaps with calving areas from Chowns and Popko, 1979.</li> <li>Overlaps with Caribou Harvesting IQ data.</li> <li>Overlaps with the calving and post-calving kernel density estimates (Campbell et al., 2015).</li> <li>Overlaps with the rut and early winter range kernel density estimates (Campbell et al., 2015).</li> <li>Overlaps with the winter range kernel density estimates (Campbell et al., 2015).</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat. Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
68	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with Caribou Harvesting IQ data.</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat. Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
69	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with Caribou Harvesting IQ data.</li> </ul>
70	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> </ul>
71	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with Caribou Harvesting IQ data.</li> <li>Overlaps with 2018 QWB Multi-Value Area Submission Resolute Bay – WS 36.</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat. Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
72	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with Caribou Harvesting IQ data.</li> <li>Overlaps with 2018 QWB Multi-Value Area Submission Resolute Bay – WS 36.</li> </ul>

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73	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with Caribou Harvesting IQ data.</li> </ul>
74	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with Caribou Harvesting IQ data.</li> </ul>
75	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with Caribou Harvesting IQ data.</li> </ul>
76	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with Caribou Harvesting IQ data.</li> <li>Overlaps with Caribou Area delineated in the Baffin Island Caribou Consultations (2012).</li> <li>Overlaps with Historic Caribou Area delineated in the Baffin Island Caribou Consultations (2012).</li> </ul> <p>Note that portions of this area were also identified as important caribou movement corridor(s). Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
77	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with Caribou Harvesting IQ data.</li> </ul>
78	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with Caribou Harvesting IQ data.</li> <li>Overlaps with Male Caribou Area delineated in the Baffin Island Caribou Consultations (2012).</li> </ul>
79	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with Caribou Harvesting IQ data.</li> <li>Overlaps with Core North Baffin Area delineated in the Baffin Island Caribou Consultations (2012).</li> <li>Overlaps with Male Caribou Area delineated in the Baffin Island Caribou Consultations (2012).</li> <li>Overlaps with the calving and post calving kernel density estimates (Campbell et al., 2015)</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat, and movement corridor(s). Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
80	<ul style="list-style-type: none"> <li>Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>Overlaps with telemetry data (1987-1994).</li> </ul>

Polygon No.	Rationale for Submission
	<ul style="list-style-type: none"> <li>• Overlaps with Caribou Harvesting IQ data.</li> <li>• Overlaps with Core North Baffin Area delineated in the Baffin Island Caribou Consultations (2012).</li> <li>• Overlaps with Female Caribou Area delineated in the Baffin Island Caribou Consultations (2012).</li> <li>• Overlaps with the post-calving kernel density estimates (Campbell et al., 2015)</li> <li>• Overlaps with the rut and early winter range kernel density estimates (Campbell et al., 2015)</li> <li>• Overlaps with the winter range kernel density estimates (Campbell et al., 2015)</li> </ul>
81	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with Caribou Area delineated in the Baffin Island Caribou Consultations (2012).</li> <li>• Overlaps with observations of caribou sign from the HTO-led ground surveys (Campbell et al., 2015).</li> <li>• Overlaps with the post-calving kernel density estimates (Campbell et al., 2015)</li> <li>• Overlaps with the rut and early winter range kernel density estimates (Campbell et al., 2015)</li> </ul> <p>Note that portions of this area were also identified as important caribou winter habitat. Based on the rules for overlapping designations described in section 3.4 of the technical memo, the polygon is submitted to the NLUP as a harvesting area.</p>
82	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> <li>• Overlaps with the post-calving kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the rut and early winter range kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the winter range kernel density estimates (Campbell et al., 2015).</li> </ul>
83	<ul style="list-style-type: none"> <li>• Area was delineated by knowledge holders during the 2022 joint QIA-QWB review process.</li> <li>• Overlaps with telemetry data (1987-1994).</li> <li>• Overlaps with observed caribou from caribou composition surveys (2015-2022).</li> <li>• Overlaps with Caribou Harvesting IQ data.</li> <li>• Overlaps with the calving kernel density estimates (Campbell et al., 2015).</li> <li>• Overlaps with the rut and early winter range kernel density estimates (Campbell et al., 2015)</li> <li>• Overlaps with the winter range kernel density estimates (Campbell et al., 2015)</li> </ul>

**Source of Information:** These areas have been delineated by HTOs who are most familiar with the different subregions of the Qikiqtaaluk, and are primarily based on Inuit Qaujimajatuqangit. As noted in Table 1 of the accompanying Technical Memo, each polygon or cluster of polygons is cross referenced to underlying Inuit Qaujimajatuqangit from other studies, and western scientific information from a variety of different sources. Note that due to the limited spatial (i.e., not all areas of Baffin Island were covered) and temporal (i.e., western science data do not cover all time periods in the population cycle) extents of other data sources in the Qikiqtaaluk region, an absence of overlapping data from other sources should not be used to negate or downgrade the importance of areas identified by HTOs in the 2022 workshops.

**Proposed Designation:** Limited Use

**Proposed Restrictions:** The following uses are prohibited:

- Oil and gas exploration and production;
- Mineral exploration and production;
- Quarries;
- Hydro-electrical and related infrastructure;
- Wind turbines for electrical generation and related infrastructure;
- Linear infrastructure; and
- Related research except non-exploitative scientific research.

**Conditional Restrictions:** In addition to the prohibited uses noted above, the following conditional restrictions are requested for all polygons identified as caribou harvesting areas:

- Helicopters and airplanes must maintain a vertical distance of at least 300 meters / 1000 feet above ground level (magl) or a horizontal distance of at least 600 meters / 2000 ft from all caribou harvesting areas. These overflight restrictions should apply at all times in caribou harvesting areas; however, if a proponent would like to vary these restrictions, they may seek free, prior and informed written consent from the nearest HTO.
- Wind turbines for electrical generation must be at least 5 km from caribou harvesting areas, and must be positioned so they are not visible from caribou harvesting areas.

### **Proposed Boundaries of Caribou Harvesting Areas Limited Use Designations**

See the attached map and the associated shapefiles. The attached map shows both previously submitted harvesting areas, which are being resubmitted in some cases with minor revisions (outlined in black), as well as newly submitted harvesting areas (no black outline). The shapefile package includes a) newly proposed harvesting areas; b) revisions to previously submitted harvesting areas; and c) resubmissions of previously submitted areas that were not accepted.

### **References:**

See accompanying Technical Memo QWB-QIA-2023-A-TM for full reference list.

