



Inuvialuit Game Council

PCMB Annual Harvest Meeting

February 12-13, 2019

Inuvik, NWT

Inuvialuit Game Council 2019 Submission

- ▶ Inuvialuit Harvest Study Update
- ▶ Inuvialuit Reported Harvest Data & Estimated Harvest (June 2017 – May 2018)
- ▶ Inuvialuit Community Information - Aklavik



Inuvialuit Harvest Study



- ▶ Community Resource Technicians (CRTs) in each community in the Inuvialuit Settlement Region conduct monthly surveys based on harvester lists provided by HTC
- ▶ Harvester lists are updated at least annually by HTCs
- ▶ Surveys are for all bird, fish & mammals harvested
- ▶ IHS Data is uploaded to the Inuvialuit Settlement Region Platform (ISRP) using iPads and associated app
- ▶ Porcupine Caribou harvests are taken from total harvest data



Inuvialuit Harvest Study



INUVALUIT HARVEST STUDY DATASHEET RECORD

COMMUNITY: _____ STATUS: _____ INTERVIEW DATE: _____
 (NEW, CURRENT, MOVED) (MONTH, DAY, YEAR)

INTERVIEWER CODE: _____ HARVESTER NUMBER: _____ HARVEST MONTH: _____

HARVEST START DATE: _____ END DATE: _____ HARVEST CODE: _____

INTERVIEWED HUNTER and: 1) Hunted; 2) Hunted but no catch; 3) Did not hunt; 4) Out hunting; 5) Out of town; 6) Could not contact; 7) Did not want to be interviewed; 8) Moved; 9) Other

| SPATIAL ID | ANIMAL NAME | # OF ANIMALS HARVESTED | SEX OF ANIMAL | | | ANIMAL MATURITY | | | | ANIMAL HEALTH | | | | HARVEST LOCATION | |
|------------|-------------|------------------------|---------------|------|--------|-----------------|-------|----------|---------|---------------|---------|-------------|---------|------------------|--------------|
| | | | UNKNOWN | MALE | FEMALE | UNKNOWN | YOUNG | JUVENILE | MATURED | UNKNOWN | HEALTHY | NOT HEALTHY | AVERAGE | | VERY HEALTHY |
| | | | | | | | | | | | | | | | |
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COMMENTS:

 HARVESTER SIGNATURE

 DATE SIGNED

Inuvialuit Harvest Study – Data Flow



- ▶ CRTs conduct surveys monthly using both paper data records and the iPad
- ▶ At the end of each month, CRTs produce Monthly Summary Reports that are given to HTC RPs for review at the next HTC board meeting
- ▶ HTC Boards review the monthly summaries and sign off on the review; HTC boards can [and do] send the reports back to CRTs if they are determined not to be reasonable representations of community harvest
- ▶ Board approved monthly summaries are then sent to the CBMP Coordinator

Technicians can collect harvest data for more than one month at a time; therefore, monthly summaries are still subject to change



Inuvialuit Harvest Study – Monthly Summaries

INUVIALUIT HARVEST STUDY

HUNTERS AND TRAPPERS COMMITTEE SIGN-OFF SHEET

COMMUNITY: _____ SURVEY WAVE: _____
MONTH, YEAR

NUMBER OF ACTIVE HARVESTERS: _____

HTC CHAIR

HTC BOARD MEMBER

HTC RESOURCE PERSON

COMMUNITY RESOURCE
TECHNICIAN

DATE

RESOLUTION NUMBER

INUVIALUIT HARVEST STUDY MONTHLY SUMMARY SHEET

COMMUNITY: _____ SURVEY WAVE: _____
MONTH, YEAR

NUMBER OF ACTIVE HARVESTERS: _____

NUMBER OF ACTIVE HARVESTERS INTERVIEWED: _____

- CODE 1: HUNTED: _____
- CODE 2: HUNTED BUT NO CATCH: _____
- CODE 3: DID NOT HUNT: _____

NUMBER OF ACTIVE HARVESTERS NOT INTERVIEWED: _____

- CODE 4: OUT HUNTING: _____
- CODE 5: OUT OF TOWN: _____
- CODE 6: COULD NOT CONTACT: _____
- CODE 7: DID NOT WANT TO BE INTERVIEWED: _____
- CODE 8: MOVED: _____
- CODE 9: OTHER: _____

COMMENTS:

Inuvialuit Harvest Study



► Implemented in 2016

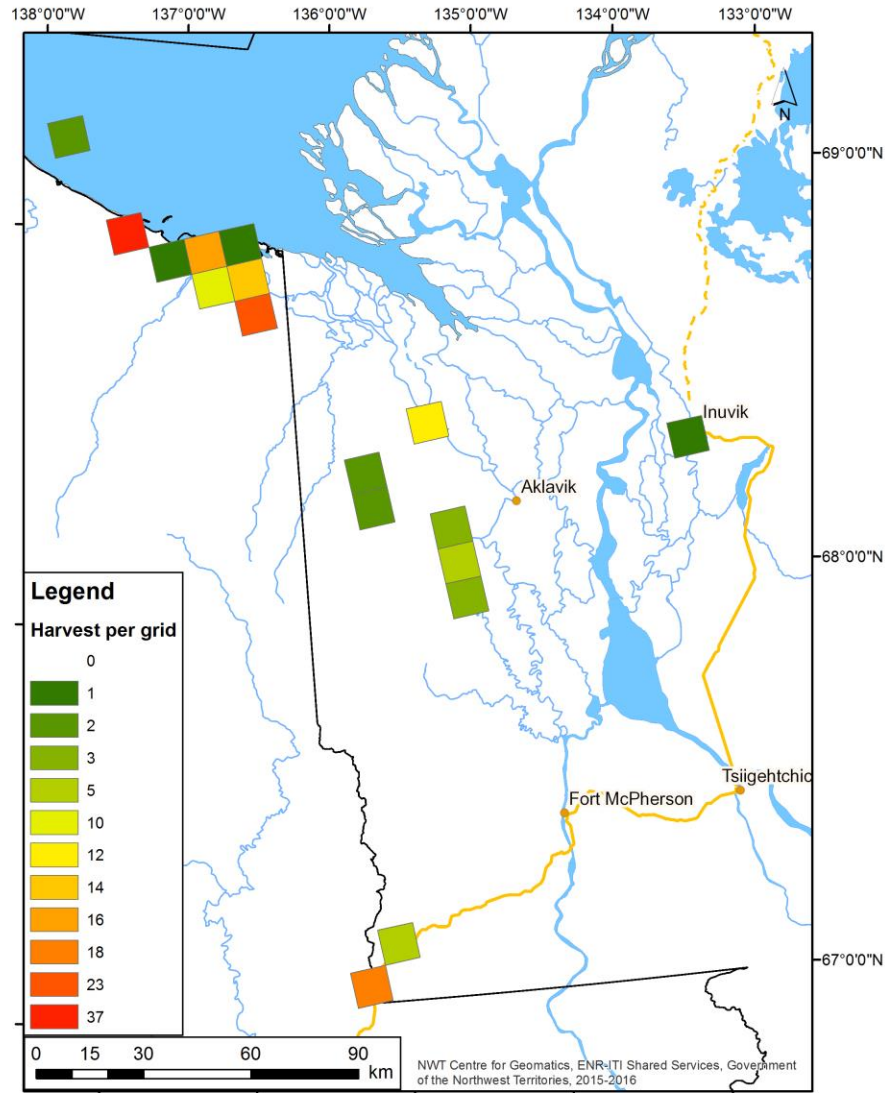
| Inuvialuit Harvest Study | | | | | | | | | | | | |
|---|------|------|-------|-------|-----|------|------|------|-------|------|------|------|
| Participation Comparison: 2016 - 2017 - 2018 | | | | | | | | | | | | |
| Community | Jan. | Feb. | March | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| Aklavik 2016 | 11% | 6% | 5% | 10% | 22% | 28% | 23% | 28% | 56% | 89% | 35% | 25% |
| Aklavik 2017 | 39% | 56% | 67% | 66% | 41% | 65% | 58% | 63% | 32% | 95% | 93% | 98% |
| Aklavik 2018 - # of Interviews | 60 | 59 | 76 | 97 | 93 | 98 | 44 | 46 | 105 | 74 | N/A | N/A |
| 2016 & Jan-August 2017 Participation is based off of 216 harvesters. In September, 2018 the AHTC identified 60 active harvesters to be surveyed monthly. | | | | | | | | | | | | |
| Inuvik 2016 | 0% | 5% | 0% | 0% | 0% | 0% | 3% | 10% | 3% | 4% | 0% | 5% |
| Inuvik 2017 | 40% | 47% | 25% | 64% | 18% | 1% | 56% | 48% | 52% | 52% | 48% | 19% |
| Inuvik 2018- # of Interviews | 63 | 56 | 48 | 44 | 57 | 2 | 42 | 93 | 104 | 91 | 82 | N/A |
| Participation is based off of 261 harvesters, as identified by the IHTC. | | | | | | | | | | | | |
| Paulatuk 2016 | 4% | 63% | 62% | 65% | 77% | 87% | 69% | 70% | 73% | 63% | 72% | 66% |
| Paulatuk 2017 | 76% | 73% | 69% | 73% | 77% | 59% | 82% | 61% | 66% | 70% | 69% | 59% |
| Paulatuk 2018- # of Interviews | 49 | 47 | 43 | 38 | 46 | 42 | 45 | 43 | 42 | 40 | 39 | N/A |
| Participation is based off of 71 harvesters, as identified by the PHTC. | | | | | | | | | | | | |
| Sachs Harbour 2016 | 0% | 0% | 0% | 0% | 2% | 56% | 35% | 0% | 0% | 0% | 0% | 0% |
| Sachs Harbour 2017 | 0% | 10% | 18% | 36% | 31% | 39% | 39% | 41% | 41% | 56% | 47% | 45% |
| Sachs Harbour 2018- # of Interviews | 19 | 33 | 27 | 21 | 13 | 35 | 34 | 39 | 43 | 39 | N/A | N/A |
| Participation is based off of 64 harvesters, as identified by the SHHTC. | | | | | | | | | | | | |
| Tuktoyaktuk 2016 | 7% | 12% | 16% | 16% | 14% | 14% | 13% | 11% | 10% | 13% | 15% | 11% |
| Tuktoyaktuk 2017 | 24% | 22% | 17% | 23% | 33% | 31% | 33% | 30% | 20% | 15% | 35% | 43% |
| Tuktoyaktuk 2018- # of Interviews | 134 | 144 | 149 | 117 | 212 | 226 | 177 | 273 | 211 | 210 | 148 | N/A |
| Participation is based off of 280 harvesters, as identified by the THTC. | | | | | | | | | | | | |
| Ulukhaktok 2016 | 78% | 76% | 68% | 70% | 61% | 73% | 63% | 85% | 100% | 100% | 100% | 87% |
| Ulukhaktok 2017 | 90% | 91% | 90% | 99% | 94% | 80% | 84% | 81% | 86% | 92% | 93% | 81% |
| Ulukhaktok 2018- # of Interviews | 74 | 87 | 79 | 77 | 76 | 78 | 81 | 75 | 47 | 77 | 88 | N/A |
| Participation is based off of 89 harvesters, as identified by the OHTC. | | | | | | | | | | | | |

Inuvialuit Reported Harvest Data: June 2017 – May 2018



| Sex, maturity | Aklavik | Inuvik | Tuktoyaktuk |
|-------------------------------|----------------|---------------|--------------------|
| Male, mature | 82 | 22 | |
| Male, juvenile | 9 | 6 | |
| Male, calf | | | |
| Female, calf | | | |
| Female, juvenile | 3 | 2 | |
| Female, mature | 23 | 8 | |
| Female, unknown maturity | | 4 | |
| Sex unknown, juvenile | | | |
| Sex unknown, calf | | | |
| Sex unknown, mature | | | |
| Unknown sex, unknown maturity | | | |
| Total | 117 | 38 | 0 |

Inuvialuit Reported Harvest Data: June 2017 – May 2018



Inuvialuit Reported Harvest Data: June 2017 – May 2018



- ▶ Harvest reported by Inuvik and Aklavik residents
- ▶ **Total reported harvest June 2017-May 2018:**
155



Inuvialuit Estimated Harvest Data June 2017 – May 2018



- ▶ **Estimated total harvest June 2017-May 2018:**
314 (range 251 to 377)
- ▶ First year using CBMP participation rates to provide *estimated* harvest
- ▶ Participation rates vary month to month, and community to community, resulting in high variance and confidence intervals as all variance must be combined together for final estimate



Inuvialuit Community Information

- ▶ **Community-Based Monitoring Program collects observations on health**
- ▶ **Community Tour (WMAC(NWT)) – September 2019**
 - ▶ Tour to collect barren-ground caribou status information
 - ▶ Aklavik information provided was all Porcupine Caribou observations
 - ▶ Individual observations provided



Inuvialuit Reported Harvest Data: Caribou Health



- ▶ Harvesters report on health of caribou harvested
- ▶ Community Resource Technicians are trained to use “Would/Did you eat it?” as the threshold for *Health*
 - ▶ Average Health: Yes, it was edible
 - ▶ Very Healthy: Yes, it was edible + very fat, large, spry, etc.
 - ▶ Not Healthy: No, it was determined as not edible
 - ▶ Unknown: the harvester was not the recipient OR human error
- ▶ Porcupine Caribou were mostly reported as very healthy, or in average health

| | |
|----------------|-----|
| Average Health | 27 |
| Very Healthy | 127 |
| Unknown | 1 |



Inuvialuit Community Information – Aklavik

▶ Population trend:

- ▶ The population trend and rate of change is going up

▶ Productivity and recruitment:

- ▶ Herd is healthy, lots of cows and calves (3 separate obs)
- ▶ Most cows have a calf, same as last year

▶ Adult Composition:

- ▶ Have to look hard for the bulls
- ▶ Bulls near highway, but around town lots of cows



Inuvialuit Community Information - Aklavik

▶ **Body Condition and Health:**

- ▶ The caribou are mostly healthy
- ▶ Caribou taken in late August and September had no fat
- ▶ One sick caribou was harvested recently that had little yellow puss balls all over its body and in its joints (but the liver was okay). Usually in the porcupine caribou there are not many sick ones, right now the caribou are in good condition.



Inuvialuit Community Information - Aklavik

▶ Harvest Levels / Reporting:

- ▶ The HTC's are working with the CBMP program to increase harvest reporting
- ▶ Some people got caribou
- ▶ Samples from the caribou with puss balls were submitted to ENR

▶ Predator populations:

- ▶ Lots of grizzly bear mothers with 3 cubs – this population seems to be increasing
- ▶ There are some big healthy wolf packs – pack of 19 observed



Inuvialuit Community Information - Aklavik

▶ Range and Movement Patterns:

- ▶ They don't come near the community anymore and haven't for 15 years
- ▶ They just pass through and don't stay
- ▶ They don't travel in big bunches like they used to. They are all spread out. (2 separate obs)
- ▶ There were some caribou in the West Channel early this year but you don't see as much because they were way back; they were in poor shape
- ▶ There are a lot of bulls along the highway and a lot of cows on this side of the mountains. It seems like they are taking a different route.



Inuvialuit Community Information - Aklavik

▶ Environment and Habitat:

- ▶ There was rain in January
- ▶ There is lots of slumping
- ▶ It was a cold summer, not many bugs
- ▶ There was ice almost until May long weekend and snow all summer

▶ Other species:

- ▶ There are more muskox in the mountains. Lots of big herds. They are keeping the caribou away.



IGC Actions 2018

- ▶ IGC has been working a joint Inuvialuit submission to the EIS process regarding the proposed development in the 1002 lands in ANWR with WMAC(NS), WMAC(NWT), and FJMC
 - ▶ IGC does not support oil drilling in this area, which is sensitive calving and post-calving habitat for the Porcupine Caribou
- ▶ IGC continues to support the Inuvialuit Harvest Study and Community-Based Monitoring Program, and encourages harvest reporting
- ▶ IGC initiated conversations with the PCMB about 'letting the leaders pass' and the harvesting rights of all Indigenous Parties to the PCMA

