2017-18 ABEKS Update

Presented to:
PCMB Annual Harvest Meeting
Dawson City
February 13, 2018
ABEKS 2017

169 interviews with local experts

Arctic Village, Old Crow, Tsiigehtchic, Fort McPherson, Inuvik, Aklavik, Tuktoyaktuk

2017 Season = November 2016-October 2017
Indicators

• Adult female and calf abundance
• Overall caribou abundance
• Meeting caribou needs
• Reasons for not meeting needs
• Caribou body condition
• Abnormalities reported
• Extreme & rare weather events
Adult female abundance

• “In your observations for each season, were there more, equal or fewer adult female caribou over the last year than usual”?

• Average # respondents = 67 (varied by season)
Calf abundance

• “In your observations for each season, were there more, equal or fewer [calf] caribou over the last year than usual”?

• Average # respondents = 60
• “In your observations, would you say there were more, the same, or fewer [caribou] in your area in the past year than usual?”

• 119 people responded
Meeting caribou needs

• “Were your needs met for caribou this year?”

• 135 responded

• 2016 = Old Crow & Arctic Village only

All communities

<table>
<thead>
<tr>
<th>Year</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2016 (OldCrow/ArcticVill Only)</td>
<td>100%</td>
<td>0%</td>
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<tr>
<td>2017</td>
<td>30%</td>
<td>70%</td>
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</tbody>
</table>
Meet Your Caribou Needs (2010-2017)

- Aklavik (Gwitch’in)
- Aklavik (Inuvialuit)
- Arctic Village (Alaska) Gwitch’in
- Fort McPherson (Gwitch’in) NWT
- Inuvik (Inuvialuit) NWT
- Inuvik (Gwitch’in) NWT
- Old Crow (Gwitch’in) (Yukon)
- Tsiigehtchic (Gwitch’in) NWT

Options:
- Yes
- No
Winter range
What prevented you from meeting caribou needs?

- availability
- abundance
- cost of gas/equipment
- no time
- not enough sharing
- other
42% (58) of interviewees who answered the question, “Did you hunt caribou this year” said no.

89 people said they did harvest some caribou.

34% said they met their needs.
Body Condition

ABEKS asks questions about:

- Overall body condition
- Size
- Physical abnormalities

### CARIBOU CHARACTERISTICS

The following questions are about body condition and health of caribou you observed in each season over the past year. Please check one or more that applies.

<table>
<thead>
<tr>
<th>Overall Condition</th>
<th>Winter</th>
<th>Spring</th>
<th>Summer</th>
<th>Fall</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excellent (E)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Good (G)</td>
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<tr>
<td>Mixed (M)</td>
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<tr>
<td>Fair (F)</td>
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<tr>
<td>Poor (P)</td>
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<tr>
<td>Don't know</td>
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<table>
<thead>
<tr>
<th>Size</th>
<th>Winter</th>
<th>Spring</th>
<th>Summer</th>
<th>Fall</th>
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<tbody>
<tr>
<td>Muscular/Fit/Strong</td>
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<tr>
<td>Skinny/Lean</td>
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<tr>
<td>Average</td>
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<tr>
<td>Fat</td>
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<td>Don't know</td>
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<table>
<thead>
<tr>
<th>Physical Abnormalities</th>
<th>Winter</th>
<th>Spring</th>
<th>Summer</th>
<th>Fall</th>
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</thead>
<tbody>
<tr>
<td>Cysts, white spots in meat</td>
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<tr>
<td>Sores &amp; puss</td>
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<tr>
<td>Wounded/limping</td>
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<tr>
<td>Swollen joints, testes or glands</td>
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<tr>
<td>Bad liver</td>
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<tr>
<td>None of these</td>
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<td></td>
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<tr>
<td>Don't know</td>
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Winter overall body condition

![Graph showing winter overall body condition for 2015, 2016, and 2017. The graph includes categories for Excellent, Good, Mixed, Fair, and Poor. The percentages for each category are displayed for each year.](image-url)
Spring overall body condition

(OldCrow/ArcticVill Only)

- 2015
- 2016
- 2017

- Excellent
- Good
- Mixed
- Fair
- Poor
Summer overall body condition

(OldCrow/ArcticVill Only)

- **2015**
  - Excellent: 0%
  - Good: 90%
  - Mixed: 10%
  - Fair: 10%
  - Poor: 10%

- **2016**
  - Excellent: 0%
  - Good: 90%
  - Mixed: 10%
  - Fair: 10%
  - Poor: 10%

- **2017**
  - Excellent: 0%
  - Good: 90%
  - Mixed: 10%
  - Fair: 10%
  - Poor: 10%
Fall overall body condition

2015

2016

(OldCrow/ArcticVill Only)

2017
Abnormalities reported

- Cysts, white spots
- Sores, puss
- Wounded, limping
- Swollen joints, testes, glands
- Bad liver

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<th>Year</th>
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Extreme weather events

- Interviewees are asked to identify months when extreme or rare weather-related events were observed.
Extreme weather – early winter (Oct-Dec 2016)
Extreme weather – late winter (Jan-Mar 2017)
Extreme weather, all communities – early winter (Oct-Dec 2016)

- More Snow
- More Ice
- Less Snow
Extreme weather, all communities – late winter (Jan-Mar 2017)

- More Snow
- More Ice
- Less Snow

Data for years 2010 to 2017.