

ᐅᑭᐱ ᐱᑭᐱᐅᑭᐱ, ᓄᓇᓂᓂᑦ
GJOA HAVEN, NUNAVUT



ආර්ථික 2023
 DECEMBER 2023

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የፖለቲካና የሥነ ምግባር

Results of a community survey on environmental forecasting uses and needs

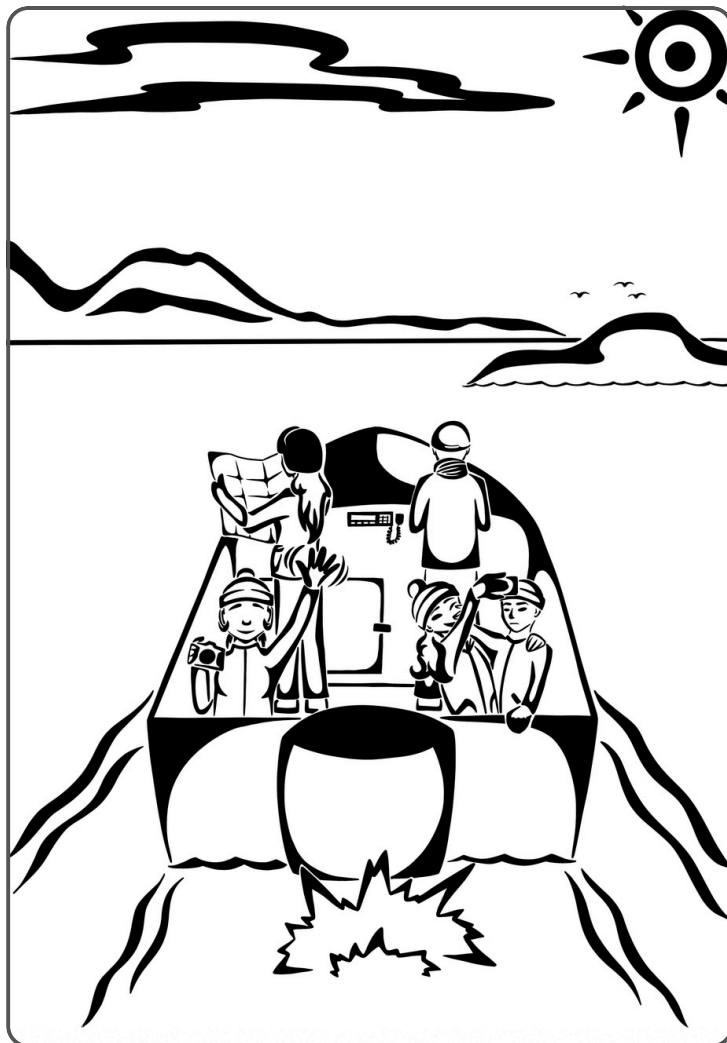


41

Uqsuqtuurmiut Participated



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Photo: Gita Ljubicic



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Art work by: Jamesie Itulu

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 $\dot{h}^c c^c < d^c$
 $ac \dot{b} \ r^a d^c$
 $\Delta cc < p^c$
 $\dot{r}^c \supset \wedge r^b$

GIBSON PORTER
WILLIAM AGLUKKAQ
AMBER ELEEHE TOOK
BRENT PUQIQNAK

NATALIE CARTER
CHARLOTTE BUTTLE
REGENA SINCLAIR
EMMELIE PAQUETTE
GITA LJUBICIC



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Art work by: Rhoda Higinig

Recommended citation:

Carter, N., Buttle, C., Sinclair, R., Paquette, E., and Ljubicic, G. (2023) *Results of a community survey on environmental forecasting uses and needs for Gjoa Haven, Nunavut*. Hamilton and Arviat: McMaster University and Aqqiumavvik Society. Report available at: <https://straightupnorth.ca/community-wwic-uses-and-needs/>.

Thank
you!

ናዕነቲኡን

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ArcticNet
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Crown-Indigenous Relations
and Northern Affairs Canada

20 CANADA RESEARCH CHAIRS
CHAIRES DE RECHERCHE DU CANADA



Environment and
Climate Change Canada

YOPP
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SMARTICE



Carleton
UNIVERSITY



uOttawa



Environment and
Climate Change Canada



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Climate Change Canada

Δυνατότητα ρευστότητας

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29 **כְּהִנְיָה וְכִלְיָה וְכִלְיָה**
אֲבָרְחָם וְכִלְיָה

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30 ንግሥት ሳላ ገደባት

07 $\mathbb{Z}[\frac{1}{2}] \subset \mathbb{Z}[\frac{1}{2}]$
 $\mathbb{Z}[\frac{1}{2}] \subset \mathbb{Z}[\frac{1}{2}]$

33 $\frac{m}{n} \cdot \frac{p}{q} = \frac{mp}{nq}$ $\frac{a}{b} \cdot \frac{c}{d} = \frac{ac}{bd}$

09 ၌ပရိသတ်တို့၏ အသံအသွယ်ကို
ခံယူရန် အသံအသွယ်ကို ဂရုစိုက်

36 ለኛዕብር ልጌ ልጋልዎልዎብዎታችኋል
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40 ᐅᑦᓇᕈርᐅᑦ ᐱᓇᑦᐅᑦᔭ
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41 ጋኒኤርጋረብቦሮ ሥጋሮብ
ፈጣሪ ፈጣሪ

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43 ልረካርጋደረኒር ይኖታኖቻል
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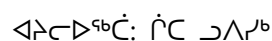


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Photo: Gita Ljubicic

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ጋናኒኃጽ ልክረጊኒጋር ሮኔኔሙ ላጋልዊደረ ጋኒህኒደረ ለጽሁፍፍረጽጋሮ፣ ናኔወኔጋ ነፍሶነበርደፍሙሶሮ ደዋደኔሮኔጋፍ ወደርደረሙ. ጋናጊኒኃጽ ለጋጋ ልጋላልርደጋጋር ኮፍህር ናኔደኒኔሙኔፍጌ ላላኔከበርደጋጋሮ ላፍጽኔጋር ወደኃ ልጋላሙ ወደርደረ. ናኔደኒኔበደረ ላላኖደሶሮ ርሊልር ልጋላኒደርደኔጋር ርሊልር ነዊኔርደረ ደኔደኒኔኔልሮጋሙረኔ፣ ላሊጋ ላዊበርሲደረሙ ልክረኔርደፍጋር፣ ልወልር በፍደሶሶሙሙ ላሊጋ ደዋደኔጋፍ ሲዊሊደረሙ ላሶሶሙሙጋ ናኔደኒኔኔበደረሙ.

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ABOUT THIS PROJECT

Our research team includes Inuit, northern, and southern researchers who have worked together for many years in Nunavut communities. Over the years we have heard from Nunavummiut (people of Nunavut) that services providing information on weather, water, and ice conditions are not easy to use, access, or understand. We have also heard that the information is not always accurate for local conditions. This, along with increasingly unpredictable weather, and changing sea ice conditions, has made it harder and riskier for Nunavummiut to hunt and travel safely. We developed this project to learn how Nunavummiut are using environmental information to make decisions about safe travel on the land (including water and ice).

Our goal is to help improve the information that is available, and how it is communicated in northern communities. To accomplish this goal, we created a survey to get feedback from communities across Nunavut. Survey questions were developed together with input from all team members, as well as from environmental service providers, Inuit organizations, and northern governments and research organizations.

We work together according to the [Aajiiqatigiingniq research framework](#), outlined by the Aqqiumavvik Society working with Elders from across Nunavut. This framework guides how we make decisions, and build consensus on our research approach and results. Surveys were facilitated by Local Research Coordinators working in their home communities. We also worked together in two collaborative analysis workshops to interpret survey results and decide on key messages for service providers and for Nunavut communities.

Ultimately, we hope that the results of this project will help service providers and decision-makers make their information more relevant and accurate for Nunavummiut, in support of safe travel.



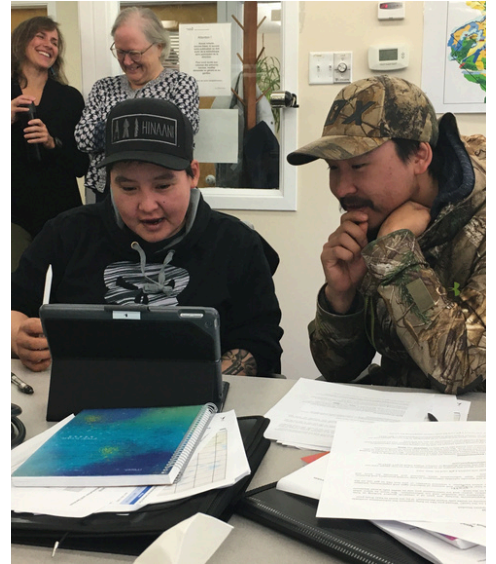
Collaborative analysis workshop in Arviat, Nunavut
(October 2021, photo: Gita Ljubicic)

ᐱᕈᑦ ᓄᓇᐅᓂᑦ
PARTNER COMMUNITIES

[illegible]

Our project involved 8 communities in Nunavut: Arviat, Cambridge Bay, Clyde River, Coral Harbour, Gjoa Haven, Iqaluit, Pond Inlet, and Sanikiluaq.





$\Delta^a \Delta^c:$
 $\dot{\Delta}^c \dot{\Delta}^b \dot{\Delta}^a,$
 $\dot{\Delta}^c \Delta^b$

Photos:
Natalie Carter,
Gita Ljubicic

[illegible]

Training and collaborative analysis workshops with Local Research Coordinators, Elder mentors, and project partners between October 2019 and December 2022.



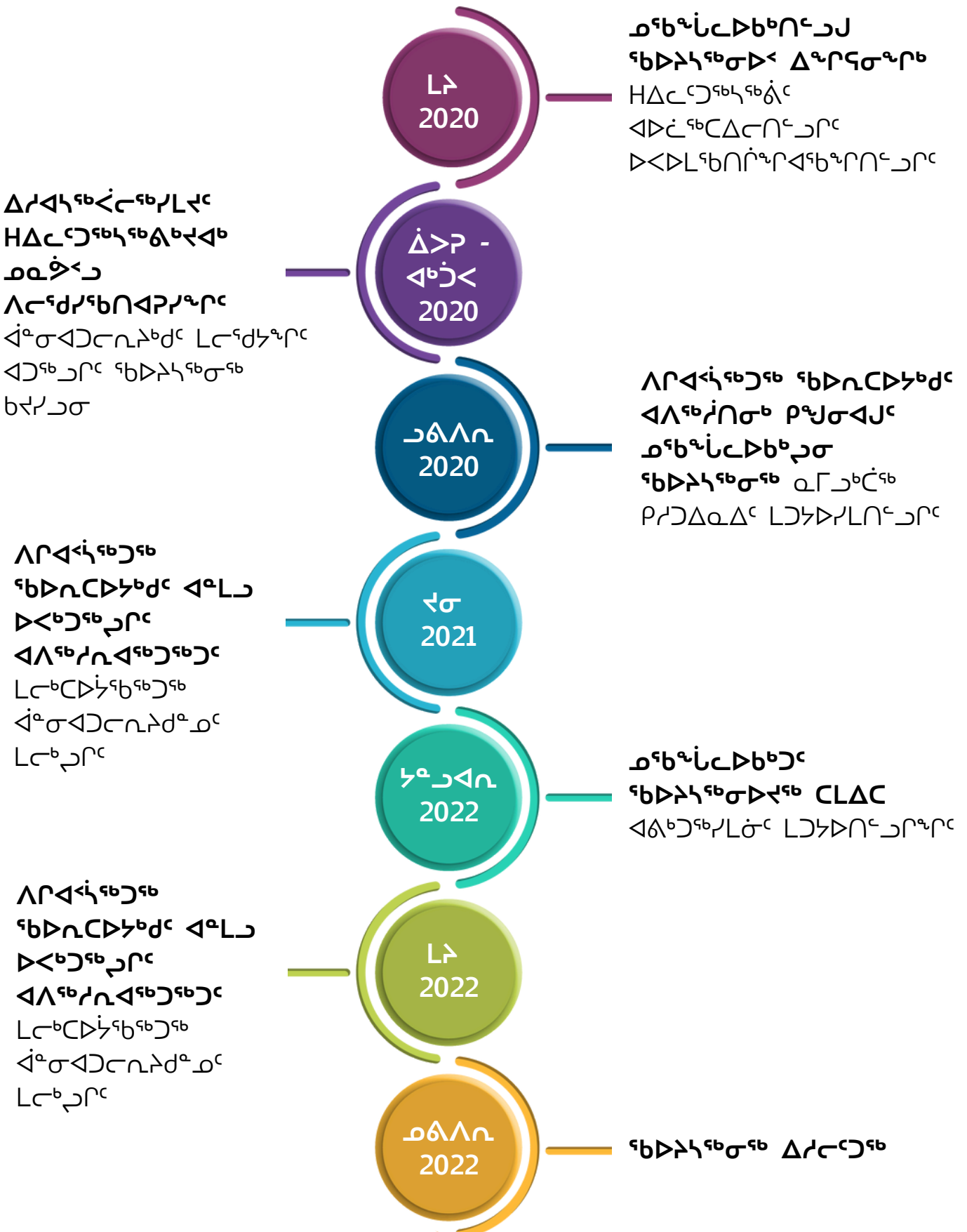
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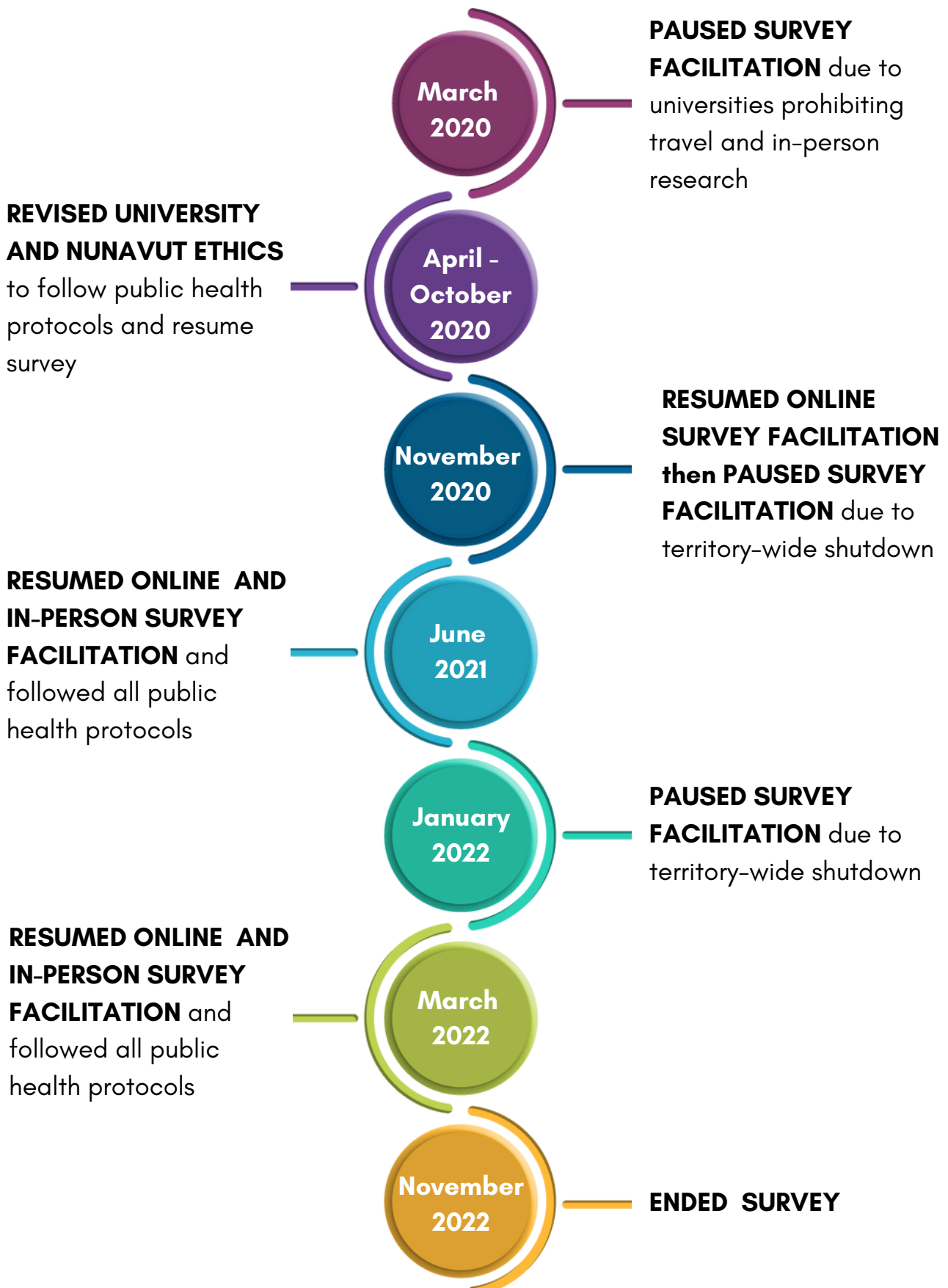
KEY PROJECT ACTIVITIES (2018 – 2022)

Timeline	Activities
December 2018	<ul style="list-style-type: none"> • collaborative project planning meeting at ArcticNet conference in Ottawa, Ontario
January – November 2019	<ul style="list-style-type: none"> • collaborative survey development (involving our project proposal team, Local Research Coordinators, and a number of external reviewers) <ul style="list-style-type: none"> ◦ this led to survey questions, wording, and options that were much more clear, relevant, and accessible for Nunavummiut ◦ it also means results can be more meaningful and impactful to researchers, northerners, and policy-makers
October – November 2019	<ul style="list-style-type: none"> • training sessions with Local Research Coordinators near Montreal, Quebec and in Iqaluit, Nunavut
December 2019 – March 2020	<ul style="list-style-type: none"> • Local Research Coordinators facilitated surveys in their home communities
March 2020	<ul style="list-style-type: none"> • surveys put on hold due to the COVID-19 pandemic (see page 5 for more details) <ul style="list-style-type: none"> ◦ we started working together on a plan for how to safely continue the project
June 2021	<ul style="list-style-type: none"> • Local Research Coordinators restarted survey facilitation <ul style="list-style-type: none"> ◦ this could only happen after public health and research license/ethics restrictions allowed it, and with local community organizations' support ◦ Local Research Coordinators also followed up with some earlier participants to clarify answers
October 2021	<ul style="list-style-type: none"> • collaborative analysis workshop in Arviat, Nunavut
November 2022	<ul style="list-style-type: none"> • Local Research Coordinators stopped facilitating surveys in their home communities
December 2022	<ul style="list-style-type: none"> • collaborative analysis workshop in Paris, Ontario, • presentations of refined results at ArcticNet conference in Toronto, Ontario

ፍፅረኛ ማህበራዊ ምክንያቶች ለጥያቄው ምክንያቶች
ጥያቄው ምክንያቶች ምክንያቶች



SURVEY TIMELINE DURING THE COVID-19 PANDEMIC



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Iñe C'eqee, ᐱᑦᐃᐱᓂ ᐱᑦᐅᒀᓚᐱᑦ, 204-218-0866, inukpaujaq@gmail.com

ᐃᑕᑦ ᐅᑦᑦ, ᐅᐅᑦᑦ ᐃᐃᑕᑦᑦᑦᑦᑦᑦᑦᑦᑦ, carten7@mcmaster.ca

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ርዕረገጽ ሙያዊ ምርመራ ለሚደረግበት ምርመራ ምክር ቤት ማስተላለፍ፤

<https://straightupnorth.ca/community-wwic-uses-and-needs/>

SURVEY FACILITATION BY LOCAL RESEARCH COORDINATORS

In total, **19 Local Research Coordinators** were involved in the project, and they completed **360 surveys** across **8 communities** in Nunavut.

Local Research Coordinators invited community members to participate based on certain criteria. Specifically, we wanted to learn about uses and needs of weather, water, ice, and climate information and services from community members who were actively travelling on the land (including water and ice) in the last three years (since 2017). This included men and women of all ages and experience levels, and they could be experienced hunters, seasonal travellers, or people who just like to get out on the land.

Local Research Coordinators facilitated the surveys in English or Inuktitut based on participant preference. They used Qualtrics survey software to enter responses on iPads. They facilitated the survey in a community office or in participants' homes, based on individual comfort level. Some participants did the survey on their own using an online survey link, when COVID-19 pandemic public health restrictions prevented in-person surveys. Participants were compensated for their time. We obtained research ethics and license approvals before we started the survey.

For this report, we present the results based on survey answers from a total of 41 Uqsuqtuurmiut = 100%.

For more information about this report and the larger study please contact:

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To access a Nunavut-wide report, and other community reports, please visit:

<https://straightupnorth.ca/community-wwic-uses-and-needs/>

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Δανιηλ Δαβιδ Δαβιδ
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$\mathbb{L}^{\infty}_{\omega} \Delta \mathbb{C}^{\infty} \mathbb{L}^{\infty}_{\omega}$
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 $(\mathbb{L}^{\infty} \mathbb{C}^{\infty} \mathbb{L}^{\infty} \mathbb{C}^{\infty})$
 $\mathbb{L}^{\infty} \mathbb{C}^{\infty} \mathbb{L}^{\infty} \mathbb{C}^{\infty} \mathbb{L}^{\infty} \mathbb{C}^{\infty}$

$\Delta P_{\text{D}} = \Delta P_{\text{C}} + \Delta P_{\text{R}}$

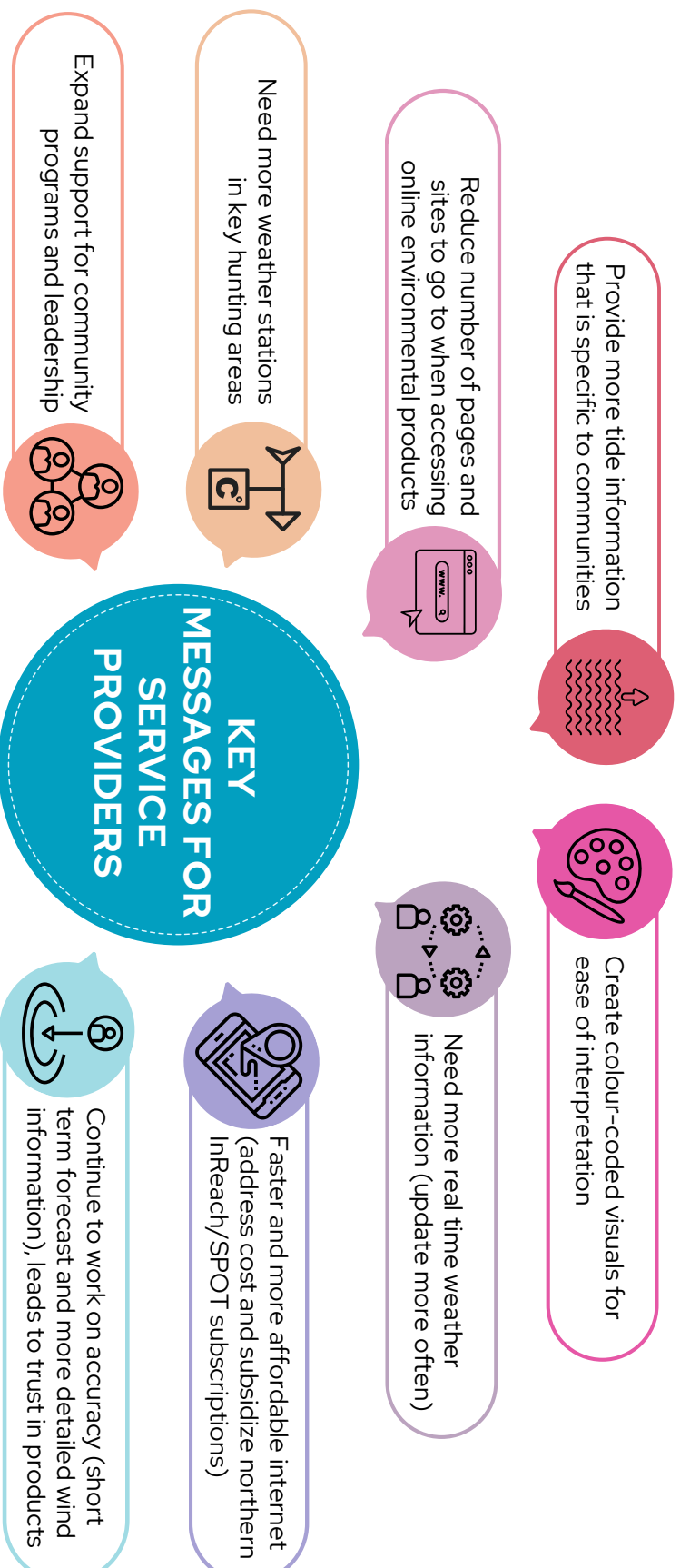
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[illegible]

KEY MESSAGES FOR SERVICE PROVIDERS

At the 2021 and 2022 collaborative analysis workshops, Local Research Coordinators developed twelve key messages for service providers:



[illegible]

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 ሙራ፡ ፍፁሙጋብ፡ ለፈረግ፡ ሃዋብ፡ ገ፡
 ጋሃፈ፡ ህጊ፡ ሙራ፡ ሰጥ፡

ՉԿԵՐԱԴԵՐԵԼՈՒՅՉ
ՔԸՐՁՔ

ልጋጋሪ ልሳንገብን፤
 ወደፍጥረት ለሰላምና
 ልማት (የጋራ ልማትና
 ልማትና ልማት ለሰላምና
 ልማትና ልማት ለሰላምና
 ልማትና ልማት ለሰላምና



ጋኒፒኔልባፋቦኑ ልረካሴካፋረሙ
ዘፍረደረፍጋፍጋ (ርፍገረፍጋ
ደፍገረፍጋ ፍገረፍጋ
ፍገረፍጋፍገረፍጋፍገረፍጋ)

በበኖርሃገራችን ልማትና
ህዝብ ጥቅም ላይ የሚውል
ኃይል ማግኘትና ማጠናከር
ሲሆን ለዚህም ማድረግ ያለብን



በበኖርፖሊኒን ላይ የሚኖሩ
ወይም የሚገኙ
ጋራ ልማት ለማድረግ
(ሰራተኛ ልማት ለማድረግ)

[illegible]

ᐃᐅᓕᑲᓂᐃᑲᓂᑲ ᑕᓴᑦ
ᐃᑲᑲᑕᐅᑎᑦ ᐃᐃᑲᑲ ᐅᐅᐅ ᓴᑕᑦ

ԳԵՃԼՎԵԾԻՆԻՍԻ ԳԵՄԵՅԵ
 ՎՃՐԻՆԵՐԵՐԻ ՆԱԽԻՆ
 (ԵՐԵՎԱՆԻ ՎՃՐԻՆԵՐԻ ԿԵՆՏՐՈՆԻ
 ԳԵՆԵՐԱԼ ԴԻՐԵԿՏՈՐԻ ՆԱԽԻՆ)



KEY MESSAGES FOR COMMUNITIES

At the 2022 collaborative analysis workshop, Local Research Coordinators developed seven key messages for community organizations:



ԾԹԵՏՐԸ ԿԵԼՈՇԻՐՎՐԸ ԸԿԾՈՇ
 ՎԵՐԱԾՔԸ ՈՈԿԵՏ

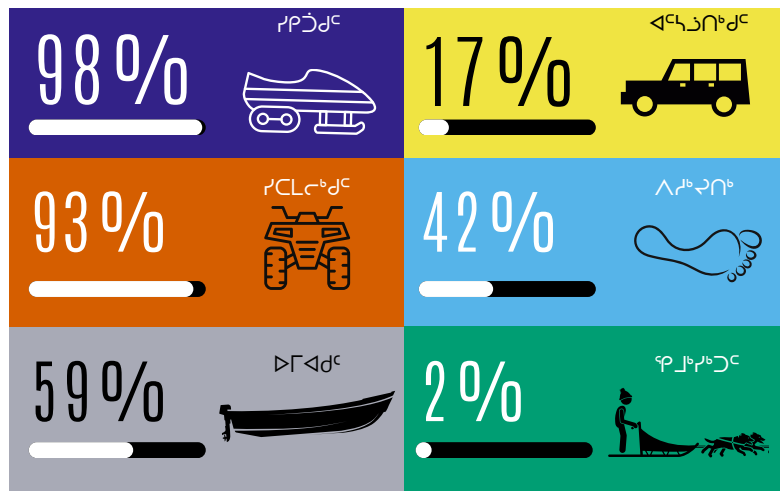
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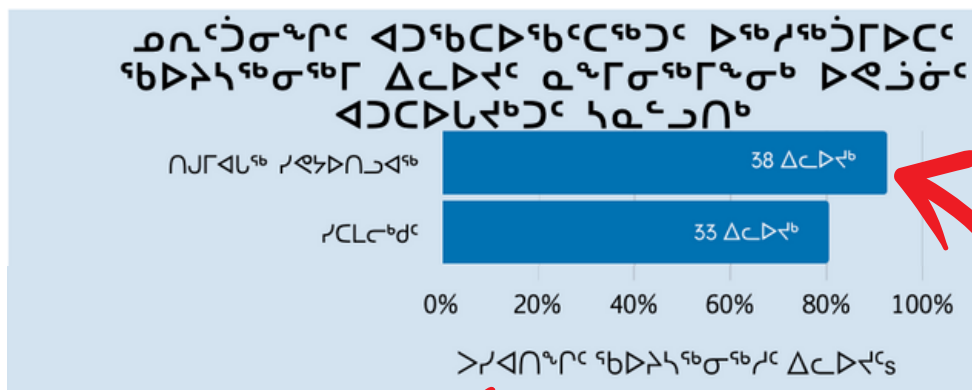
$\Delta \dot{c}^a \sigma^b \rho^c \wedge \epsilon^{bcd} \triangleright \epsilon^{abc}$
 $\triangleleft C \triangleright \rho \triangleright \epsilon^{\rho} \triangleright \Gamma^b$
 $\rho \triangleright \sigma^a b \rho^a \underline{a} c \triangleright \epsilon^{bc} \triangleright^c$
 $\Delta c \epsilon^{\rho} \dot{c} \dot{a} \triangleright \rho \triangleright \epsilon^{\sigma} 100$
 $\triangleright \rho \triangleleft \epsilon^c \cap \rho \rho^L \epsilon^{\rho} \triangleright^c$

፲፱፻፲፱ ዓ.ም. ፲፱፻፲፱ ዓ.ም. ፲፱፻፲፱ ዓ.ም.
፲፱፻፲፱ ዓ.ም. 16፻
 ፲፱፻፲፱ ዓ.ም. ፲፱፻፲፱ ዓ.ም.
 ፲፱፻፲፱ ዓ.ም. ፲፱፻፲፱ ዓ.ም.
 ፲፱፻፲፱ ዓ.ም. ፲፱፻፲፱ ዓ.ም.

[illegible]

ፌዴራል ፖሊስ

ᐃᓴᖃᓴᓯᓂᓐᓯᐸ ᓵᓱᖃᖃᓵᖃᖃ ᖃᓴᓯᓂᓐᓯᓐᓂᖃ ᐃᓕᓯᓴᐸ ᓱᓯᓴᓴᐸᐸᖃᖃᓵᓂᖃ

[illegible][illegible]

UNDERSTANDING THE NUMBERS IN THIS REPORT

PERCENT

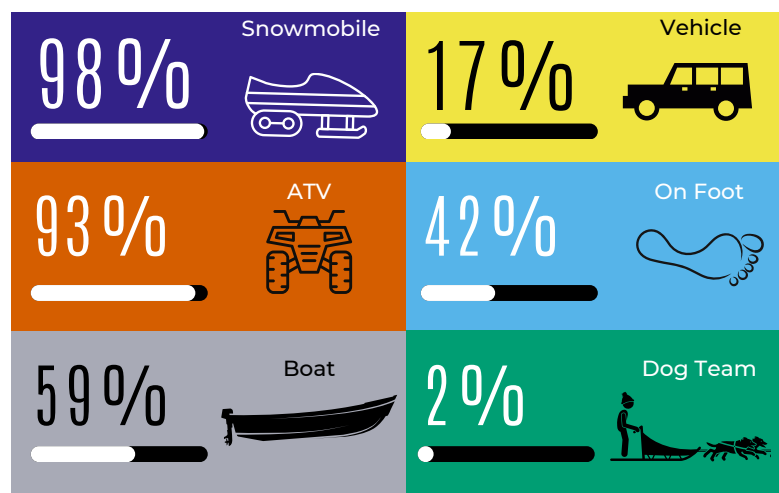
100% = all 41 participants

Most of the survey results in this report are shown as % (percent) where 100% means all 41 participants in Gjoa Haven who completed the survey.

Sometimes participants could choose more than one answer, so totals in some figures don't add to 100%.

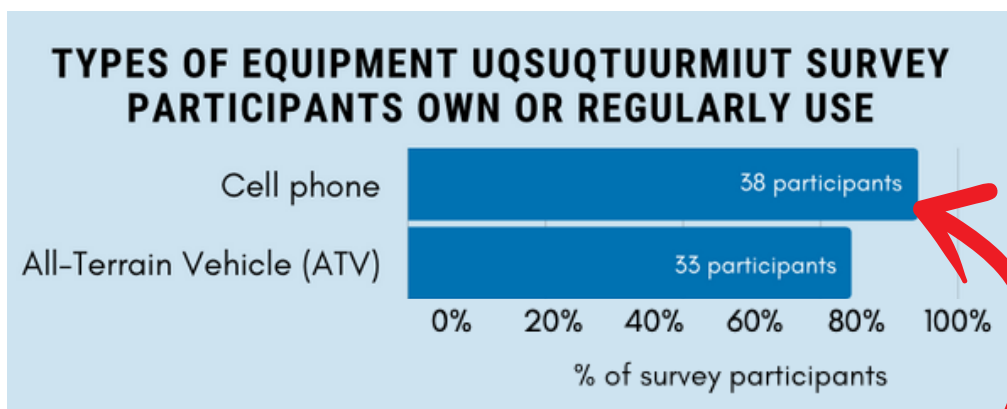
In this example **from p. 16**, participants could choose more than one method of transportation.

METHODS OF TRANSPORTATION SURVEY PARTICIPANTS USE TO TRAVEL ON THE LAND



COUNTS

Count = the number of participants giving that answer



Some of the charts show the results in **percent** and the **count** (actual number) of participants who gave that answer.

In this example **from p. 15**, cell phones are owned or regularly used by 93% of participants (38 participants).

[illegible]

ΔC▷C▷^{9b}C

Δελφική Παιδεία (CLAC 41^{ος} Δοξ.) Δελφική Ύμνος Ύμνος
Δελφική

ρ▷↵6σ^c

[illegible][illegible][illegible]

81 > ለጥቅም
 ለጥቅም ለጥቅም
 ለጥቅም ለጥቅም
 ለጥቅም ለጥቅም
 ለጥቅም ለጥቅም

[illegible]

ልዩ ምርመራ ተደርጎ በሚገኝበት ጊዜም ለሚገኙት ሰነዶች ምርመራ ሊደረግ ይችላል፡፡
 ለምሳሌ፡፡ ለሚገኙት ሰነዶች ምርመራ ሊደረግ ይችላል፡፡

[illegible]

UNDERSTANDING THE NUMBERS IN THIS REPORT

(CONTINUED)

PARTICIPANTS

Participants = everyone (all 41 people) who did this survey in Gjoa Haven

RESPONDENTS

Respondents = only the participants who answered follow-up questions

There are some questions in the survey that not everyone answered.

Participants who answered "no" to a question would skip to the next section.

But participants who answered "yes" to the same question would be asked some *related follow-up questions*. When we show the results to follow-up questions, we call this group of participants "**respondents**", because they were the ones who answered the question.

CONTACTING OTHERS FOR HELP

In this example from p. 29, 81% of the participants said "yes I can call for help if I get stranded on the land".



If Uqsuqtuurmiut **participants** get stranded or have an accident on the land, 81% (out of a total of 41) can call for help.

Of the 33 **respondents** who can call for help, most would call a **family member** (94%), or **local search and rescue** (67%), or **a friend** (55%) for help.

Only the participants who said "Yes, I can call for help", were asked the follow-up question, "Who, can you call for help?" This smaller group of participants who answered the follow-up question are called **respondents**. So the percent shown for respondents are out of the total who answered the question, and not the total of participants.

[illegible]

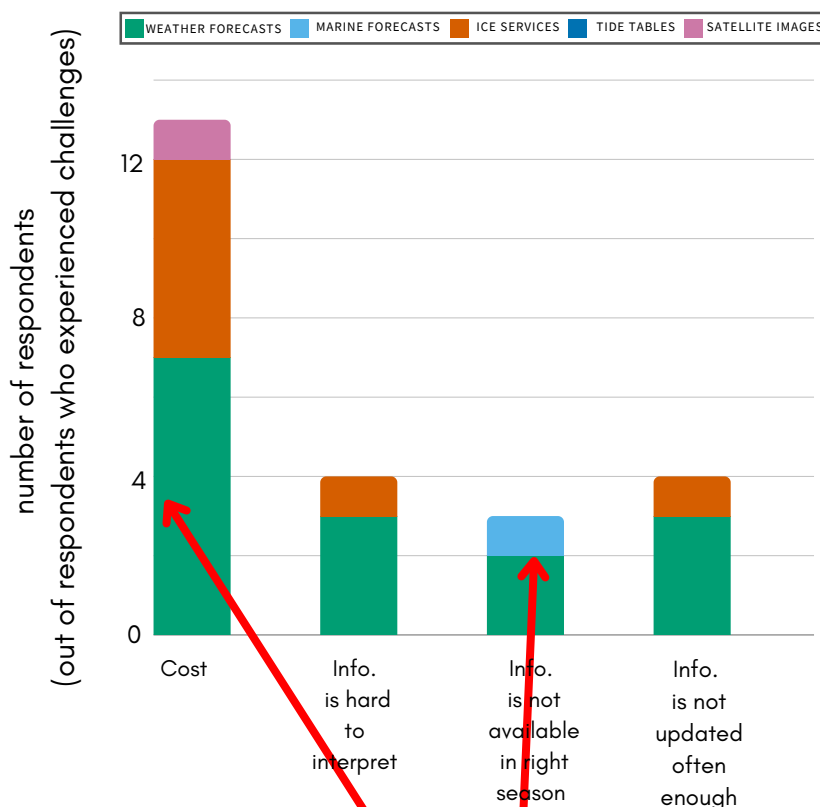
UNDERSTANDING THE NUMBERS IN THIS REPORT

(CONTINUED)

RESPONDENTS

Respondents = only the participants who use forecasting products

REASONS WHY ENVIRONMENTAL FORECASTING INFORMATION IS DIFFICULT FOR UQSUQTUURMIUT RESPONDENTS TO ACCESS

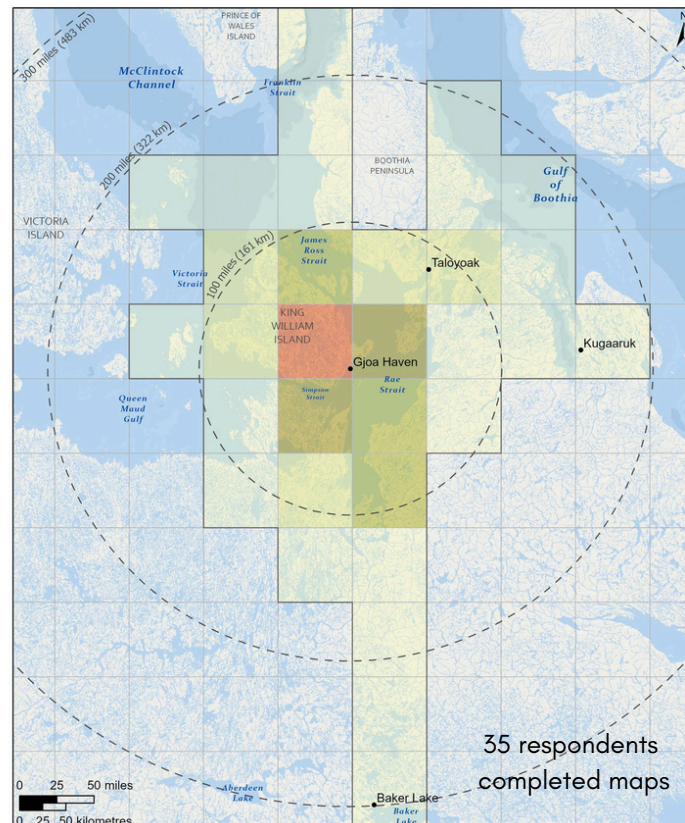


Some participants did not use every type of environmental forecasting information (i.e. weather forecasts, marine forecasts, ice services, tide tables, satellite images).

In this example from **p. 40**, of the respondents who said "Yes, I experience challenges when accessing weather forecasts", 7 of them experience challenges due to cost. Of the respondents who said "Yes, I experience challenges when accessing marine forecasts", 1 of them experienced challenges because the information is not available in the right season.

ፈርዲናንድ ልጁን ለሰላም ለማስገኘት ለሚችል ሁሉም ሰላማዊ መንገዶችን ያመለክታል። ለዚህም ምሳሌ ለሚያስገኝበት የፍትሕ ምክር ቤት ማሳሰቢያ ሲያደርግ፣ ለሰላም ለማስገኘት ለሚችል ሁሉም ሰላማዊ መንገዶችን ያመለክታል።

UNDERSTANDING THE MAPS IN THIS REPORT



Number of respondents who travelled in the selected area

MAP COLOURS AND LEGENDS

Each coloured box on the maps represents a certain number of respondents who travelled to that area, and all of the types of transportation they used to travel there (e.g. if a respondent went to an area by ATV and by snowmobile, it is counted as having travelled to the area twice).

Darker/brighter colours = more respondents went there.
Lighter colours = less respondents went there.

Respondents = only the participants who completed maps

Some participants did not complete travel maps (due to technical issues and other reasons). When we show the maps, we call this group of participants "**respondents**", because they were the ones who completed maps.

▷ ልጅ ስራ ማግኘት ለማድረግ ማዘጋጀት ለሚችሉት ልጆች ምዕራፍ



ልጅ ስራ ማግኘት ለማድረግ ማዘጋጀት ለማድረግ 16 ምዕራፍ 79 ምዕራፍ ልጆች (24 ምዕራፍ) ልጆች ስራ ማግኘት ለማድረግ ማዘጋጀት ለማድረግ. ለግልጽ ልጆች 16 ምዕራፍ ልጆች ስራ ማግኘት ለማድረግ ማዘጋጀት ለማድረግ 80 ምዕራፍ ልጆች ስራ ማግኘት ለማድረግ ማዘጋጀት ለማድረግ.



66% ልጆች ልጆች



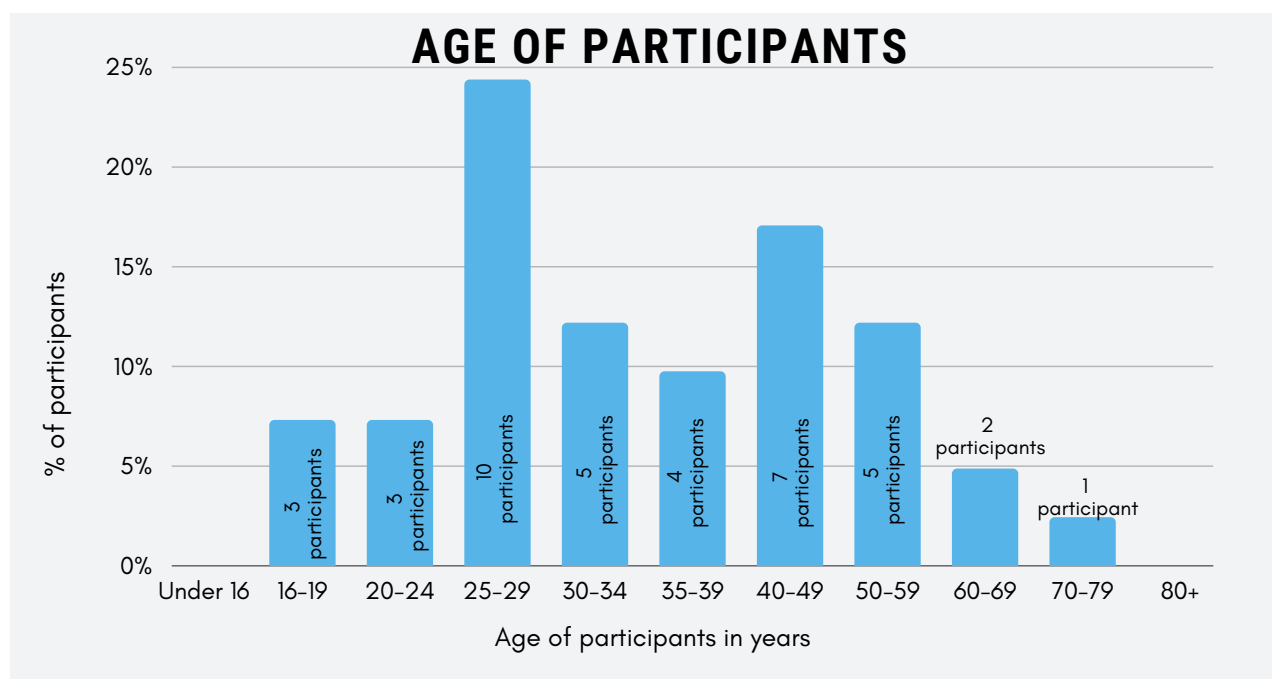
34% ልጆች ልጆች

ፋርግሳሽ ልጆች ልጆች (66 ምዕራፍ) ልጆች ልጆች (94 ምዕራፍ).



ፋርግሳሽ ልጆች ልጆች ልጆች 92 ምዕራፍ ልጆች ልጆች.

UQSUQTUURMIUT SURVEY PARTICIPANT DEMOGRAPHICS



Survey participants ranged in age from 16 to 79 years, with the highest proportion (24%) being between 25-29 years old. No one under the age of 16 or 80 years and older, participated in the survey.



66% of participants identify as male



34% of participants identify as female

Most participants identify as male (66%), and some identify as female (34%).

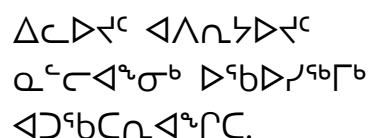
100%

of respondents identify as an Indigenous person

92%

of Indigenous respondents identify as Inuit

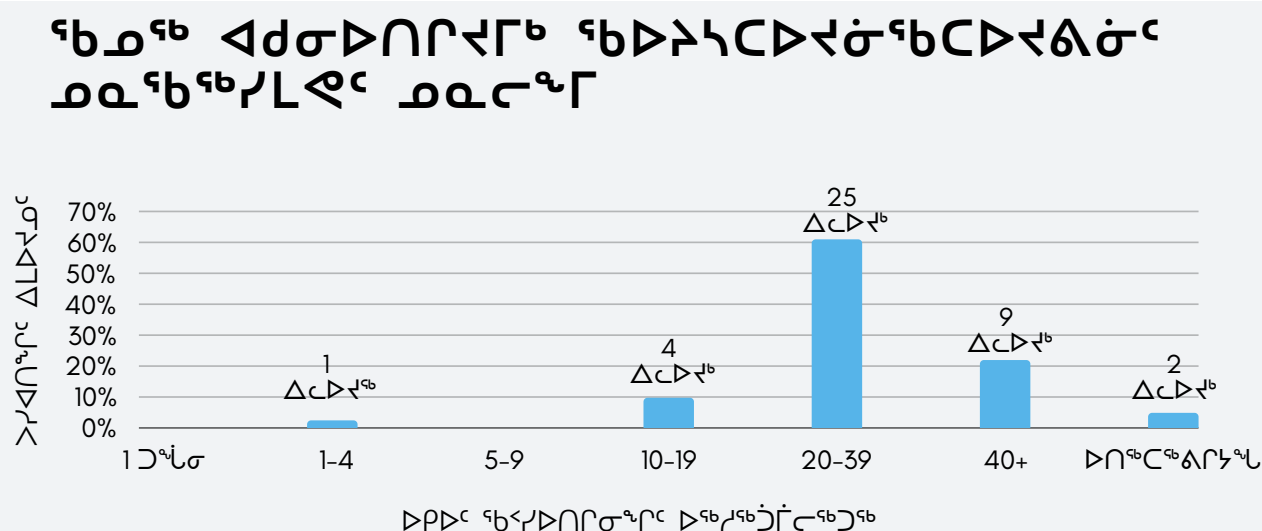
All participants identify as an Indigenous person, and 92% identify as Inuit.



CLACBኑኑ ስኔሞዲኔጋር
ኔሮጋዲጋር (93
ጎረቤቶች) ርኔፍፍኑኑጋ
ፈፊጋሮዲኔጋር (81
ጎረቤቶች).

[illegible]

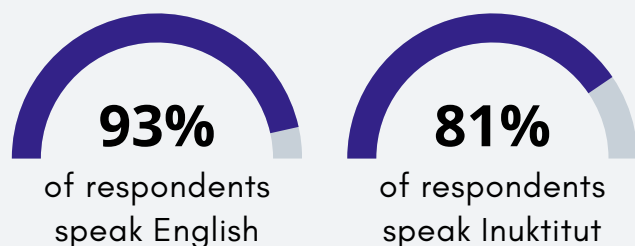
CL ፩፻፳፻፱ (83 > ሚኒስቴር) ወደ ህግ ምክር ቤት ምክር ቤት 20 ዓ.ም. ምክር ቤት.



UQSUQTUURMIUT PARTICIPANT DEMOGRAPHICS

(CONTINUED)

LANGUAGES SPOKEN*



*Participants could choose multiple languages

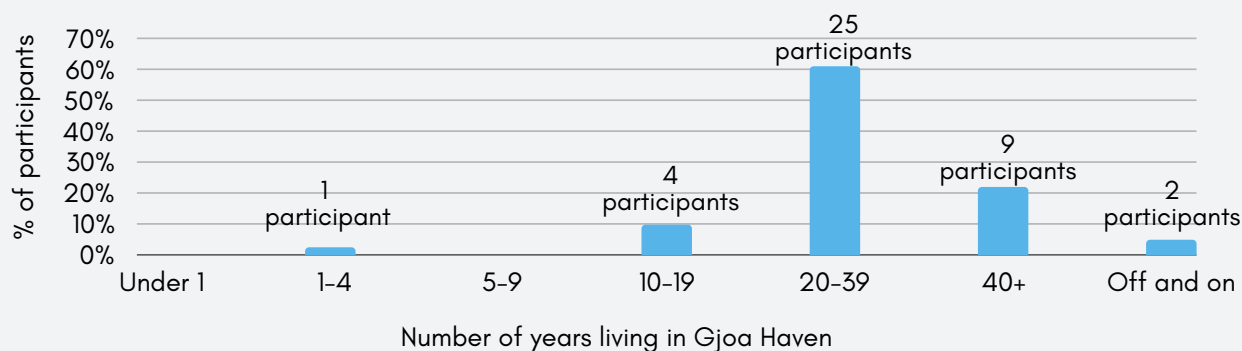
Participants were asked about which languages they speak.

Most participants speak English (93%), and most speak Inuktitut (81%).

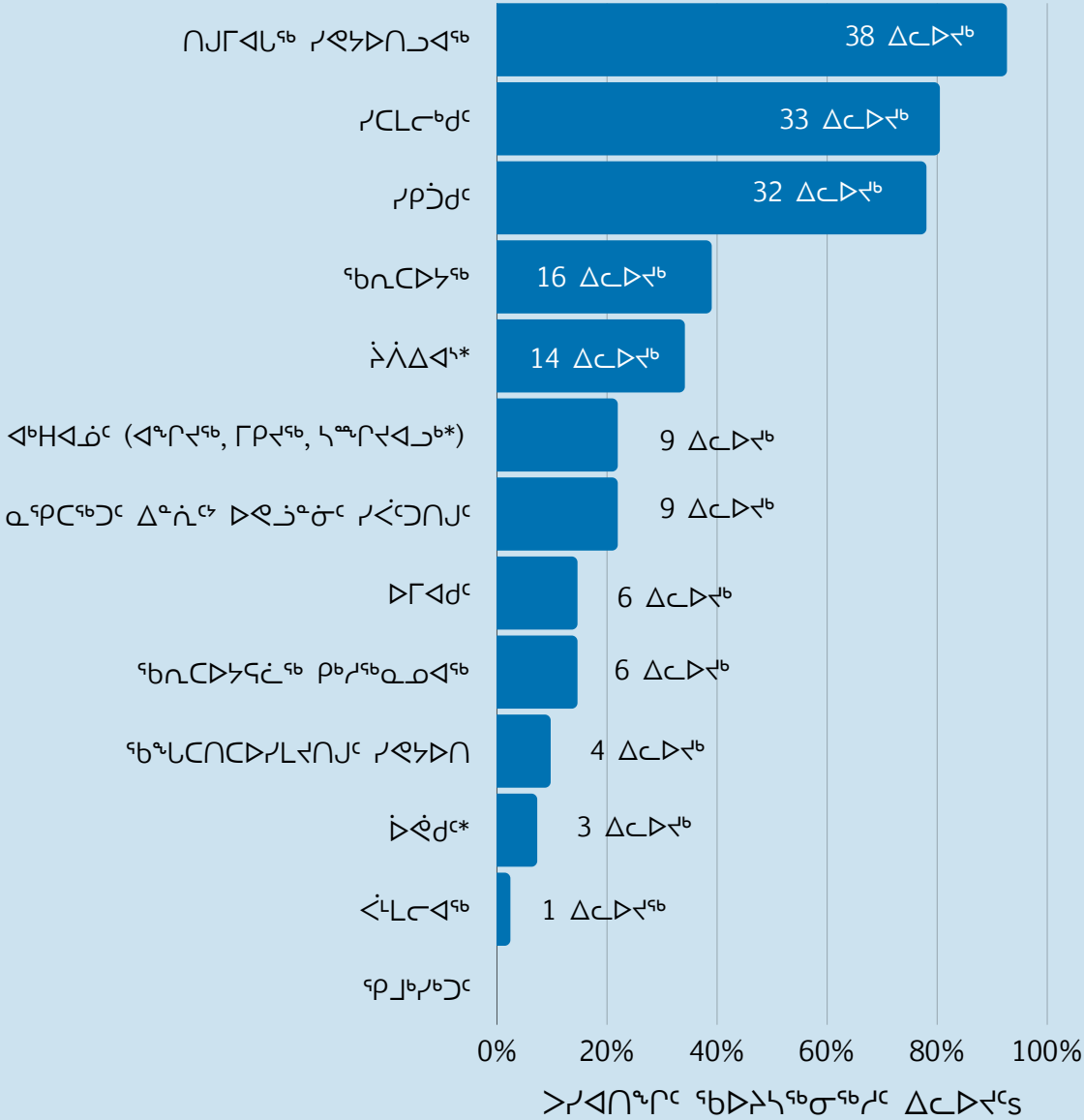
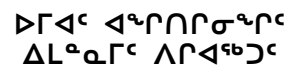
It is important to understand how long participants have lived in Gjoa Haven as this relates to (although does not necessarily determine) how much experience they have with travel on the land, water, or ice.

Most participants (83%) have lived in Gjoa Haven for 20 or more years.

LENGTH OF TIME SURVEY PARTICIPANTS HAVE LIVED IN THE COMMUNITY



◀▶ Ċ^ᵇ ⋈ ◀ ⋈^ᵇ ⋈^ᶜ ⋈^ᶜ

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19 - 22

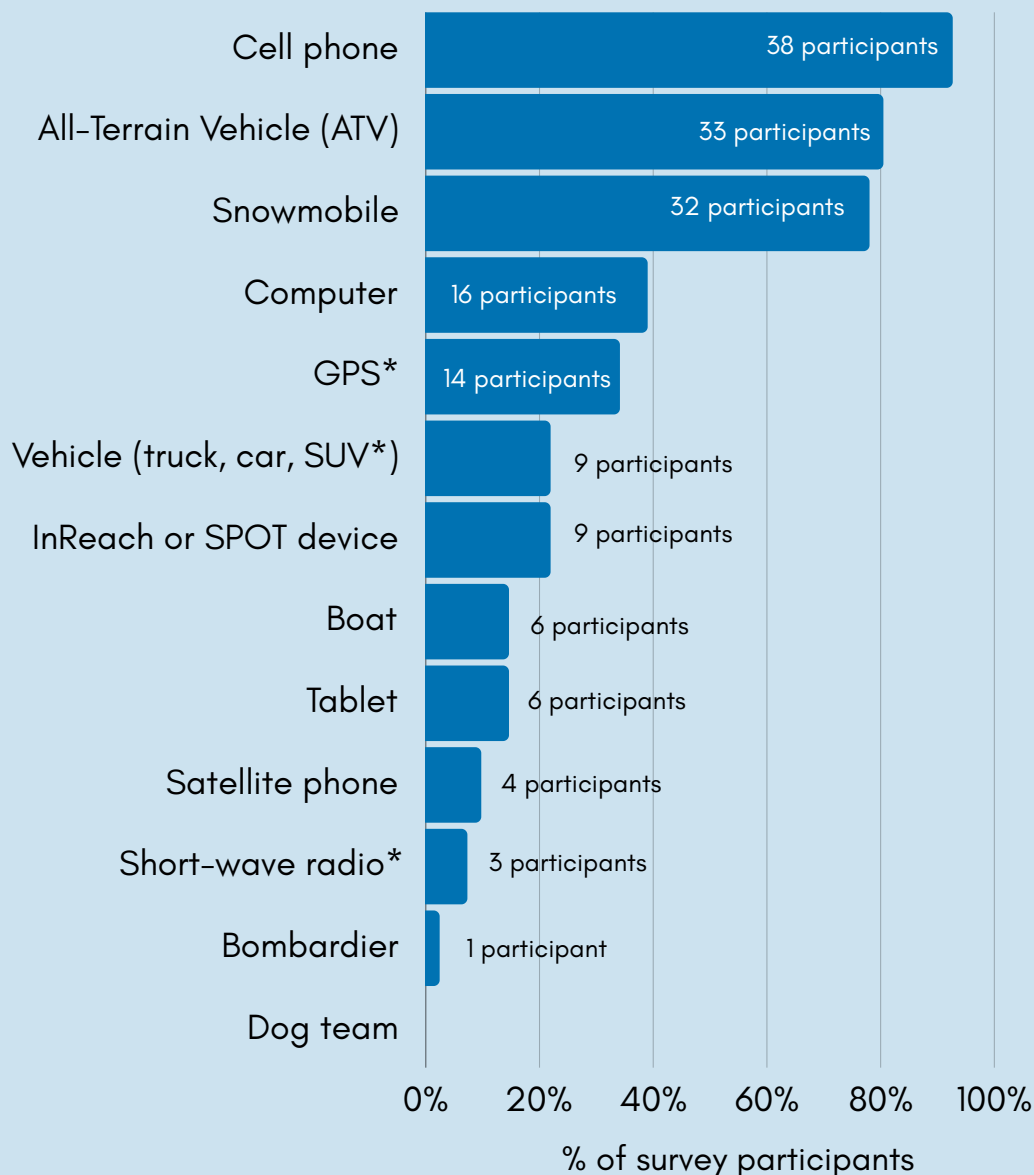
 $\Delta \rho \in \Delta^c$

90%

[illegible]

TRAVEL EQUIPMENT

TYPES OF EQUIPMENT UQSUQTUURMIUT SURVEY PARTICIPANTS OWN OR REGULARLY USE



* GPS: Global Positioning System; SUV: Sport Utility Vehicle; SPOT: Satellite Personal Tracker;
Short-wave radio e.g. CB, SBX, VHF



BOAT SIZES
RANGED FROM

19 - 22
FEET

90%

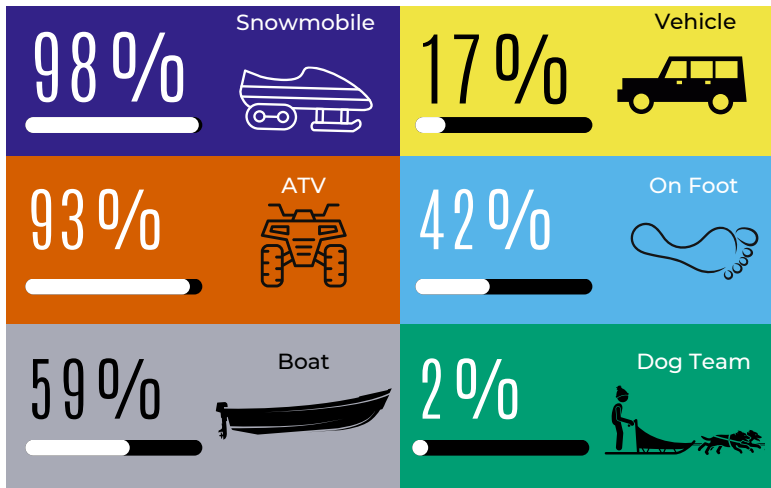
OF PARTICIPANTS
HAVE ACCESS TO THE
INTERNET IN THEIR
HOME

Cell phones, ATVs, and snowmobiles are the types of equipment most often owned or regularly used by participants, followed by snowmobiles.

Most (90%) participants have access to the internet in their home. This is important to know because it affects what kinds of environmental forecast information they might be able to access.

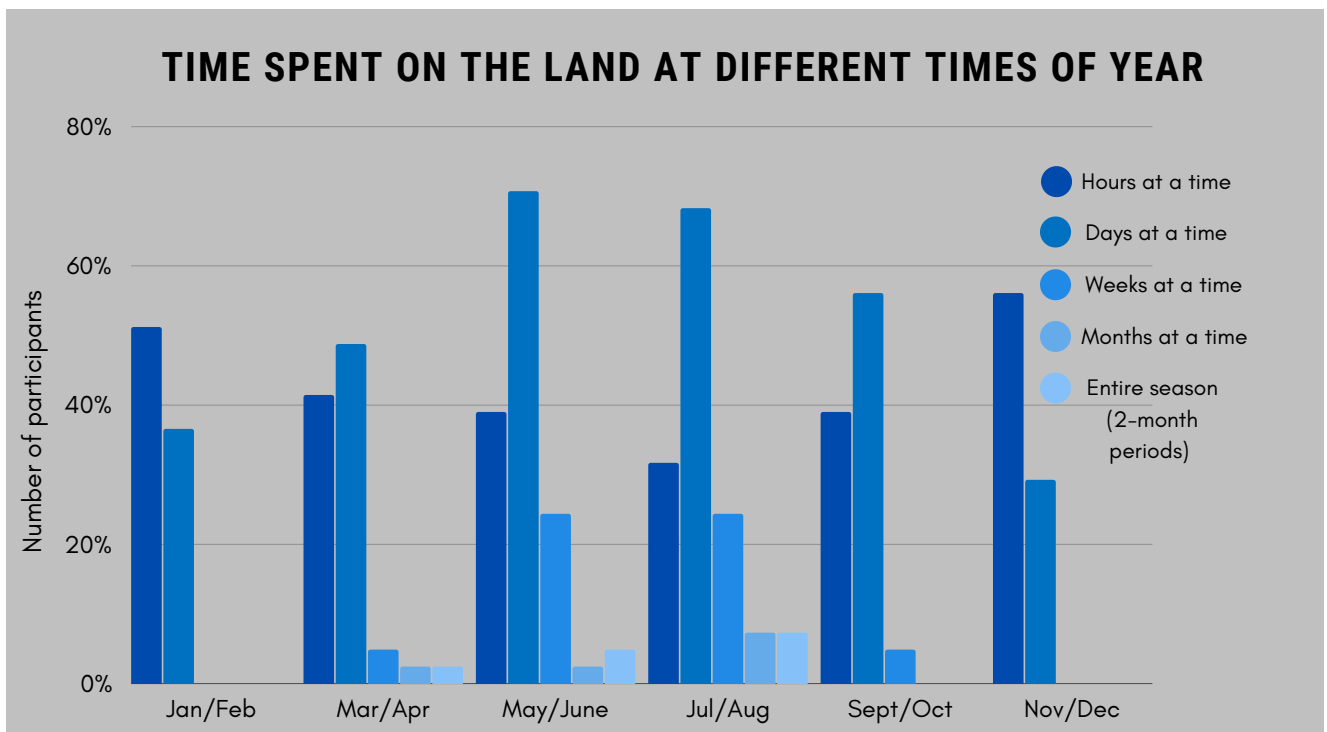
TRAVEL HABITS

METHODS OF TRANSPORTATION SURVEY PARTICIPANTS USE TO TRAVEL ON THE LAND

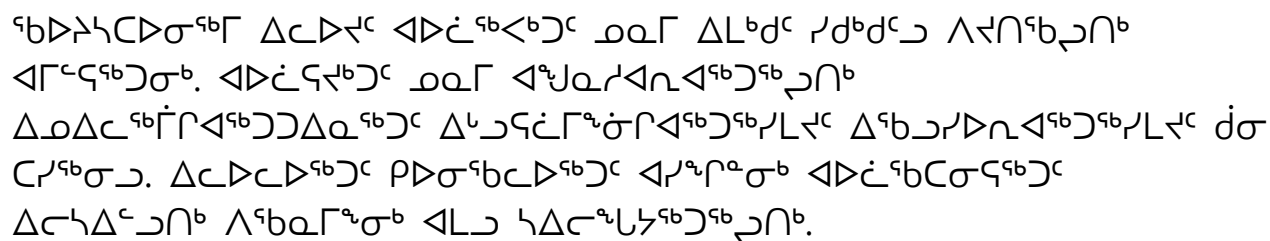


When survey participants travel on the land, water, and sea ice, snowmobile is the most common method of transportation used, followed by ATV, and boat. Participants also travel by vehicle, on foot, and by dog team.

Survey participants use different types of transportation at different times of year. Boats are used from mid-July to October. Snowmobiles and dog teams are used from November to June. ATVs, vehicles, and on foot are used year 'round.

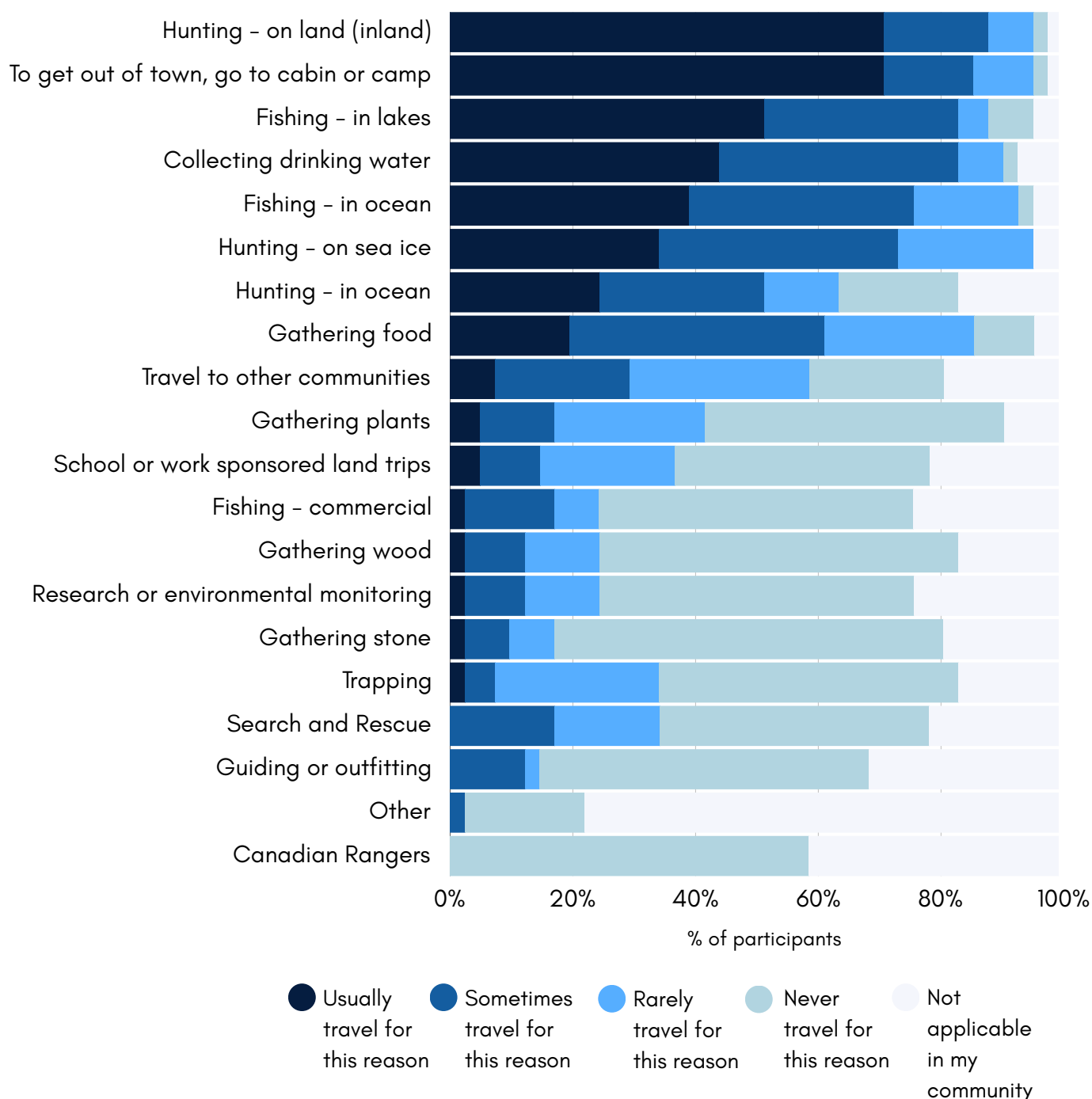


In different times of year, survey participants spend different lengths of time on the land. Most commonly, participants are on the land for hours or days at a time. In May through August the number of participants that are out on the land for weeks at a time, increases. Some travel for longer periods of time.

[illegible][illegible]

TRAVEL HABITS

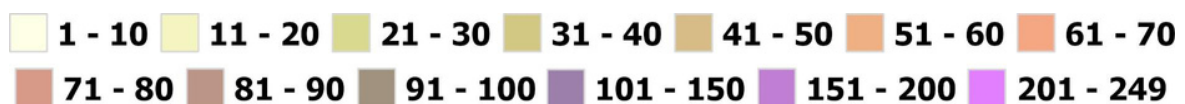
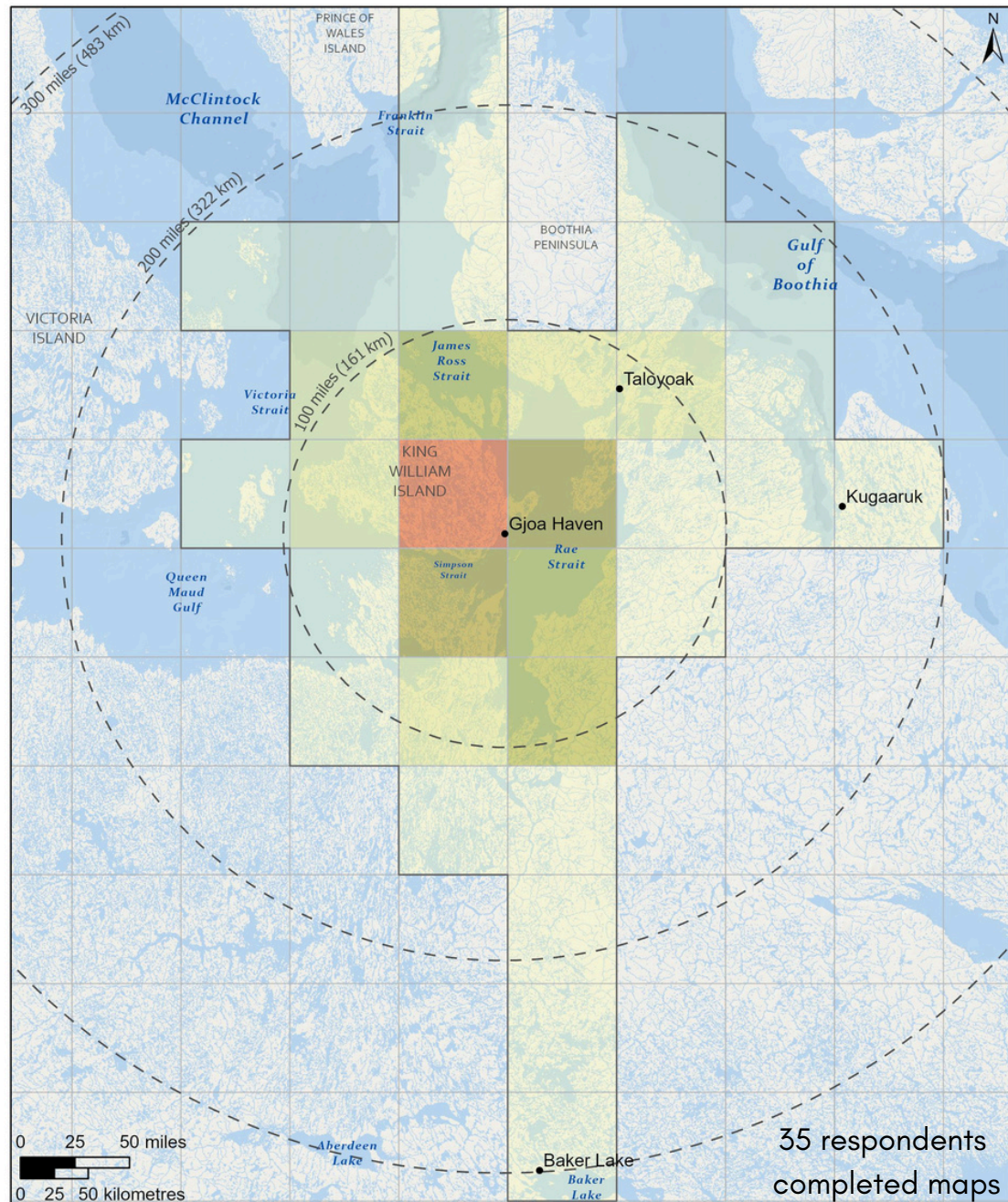
REASONS UQSUQTUURMIUT PARTICIPANTS USUALLY TRAVEL ON THE LAND



Survey participants travel on the land, water, and ice for many reasons. Most often they travel to hunt on land (inland), get out of town/go to a cabin or camp, and fish in lakes and rivers. Participants who answered "Other" said they travel to teach friends, and for peace and quiet.

Other communities participants travel to are Cambridge Bay, Kugaaruk, Taloyoak, and rarely to Kugluktuk and Rankin Inlet.

WHERE UQSUQTUURMIUT RESPONDENTS TRAVEL (TOTAL TRAVEL)



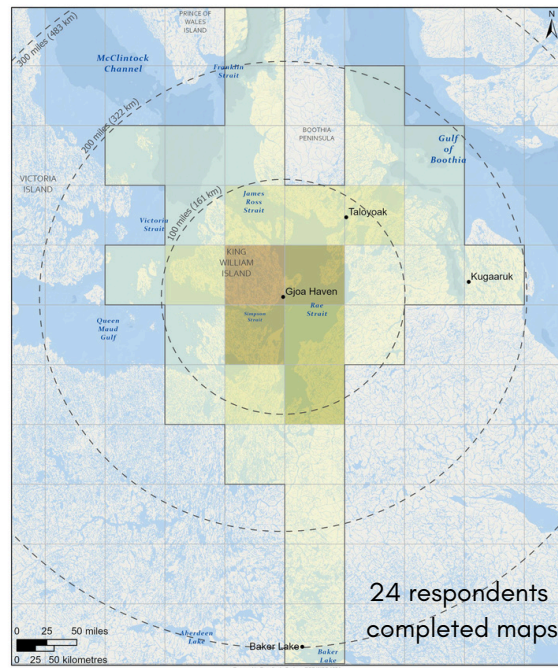
Number of respondents who travelled in the selected area

To access full-page maps visit:

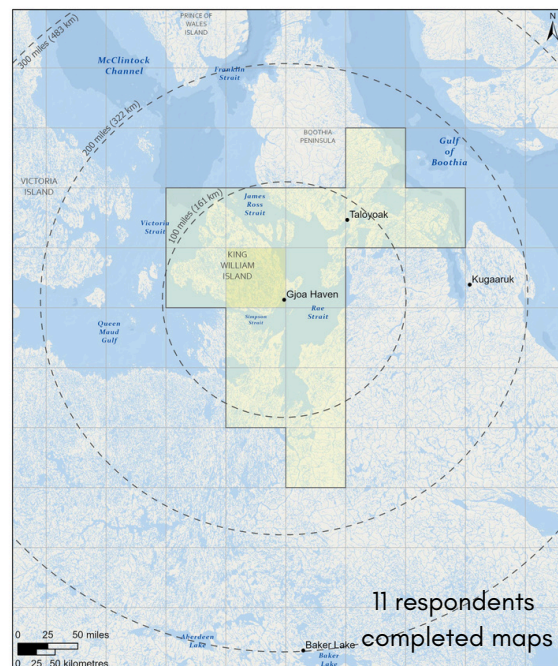
<https://straightupnorth.ca/community-wwic-uses-and-needs/>

WHERE UQSUQTUURMIUT MEN AND WOMEN RESPONDENTS TRAVEL

TRAVEL BY MEN



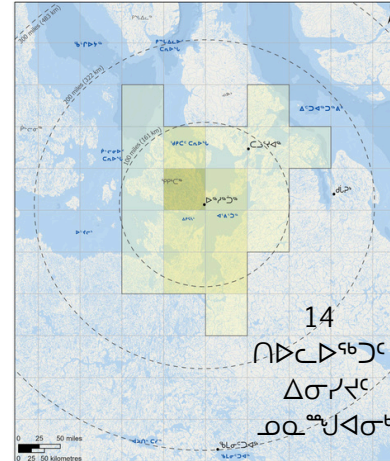
TRAVEL BY WOMEN



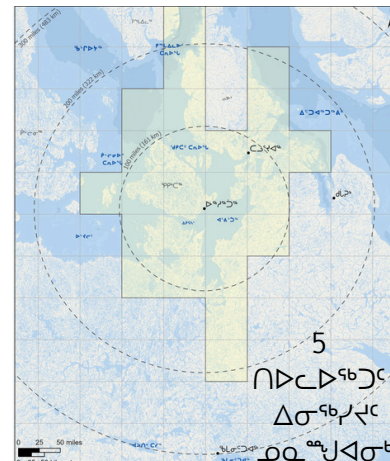
Number of respondents who travelled in the selected area

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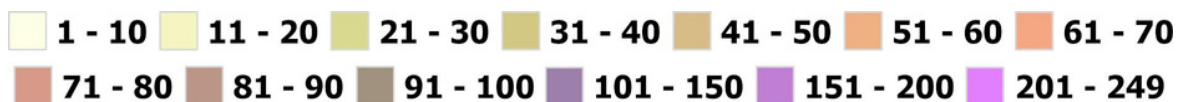
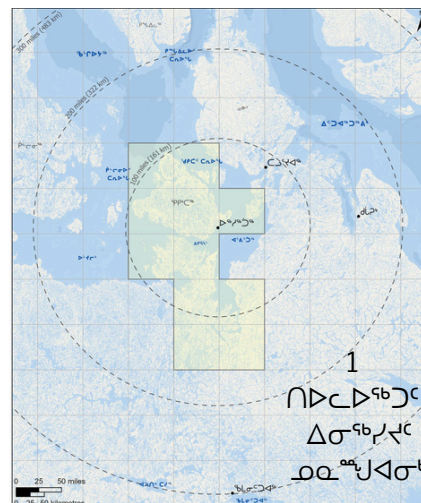
ምዕራፍ 16ኛ 24ኛ ልዩ ስርዓታዊ ምዕራፍ 25ኛ 34ኛ ልዩ ስርዓታዊ



ምዕራፍ 35ኛ 49ኛ ልዩ ስርዓታዊ ምዕራፍ 50ኛ 69ኛ ልዩ ስርዓታዊ



ምዕራፍ 70ኛ ሰላም ስርዓታዊ ስርዓታዊ



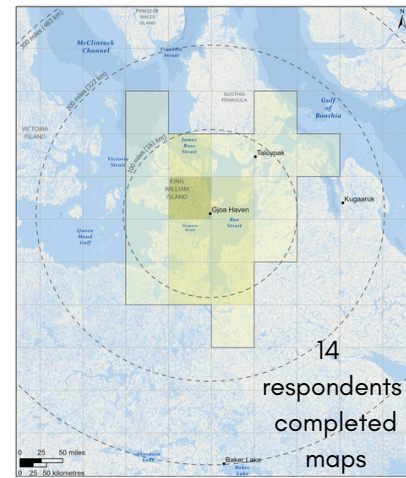
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WHERE UQSUQTUURMIUT RESPONDENTS TRAVEL (BY AGE)

AGES 16 TO 24 TRAVEL



AGES 25 TO 34 TRAVEL



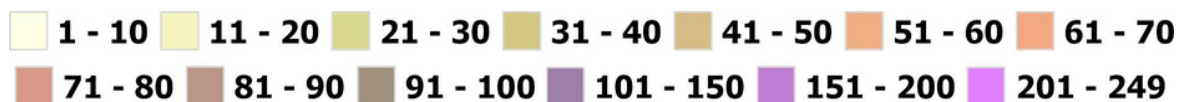
AGES 35 TO 49 TRAVEL



AGES 50 TO 69 TRAVEL



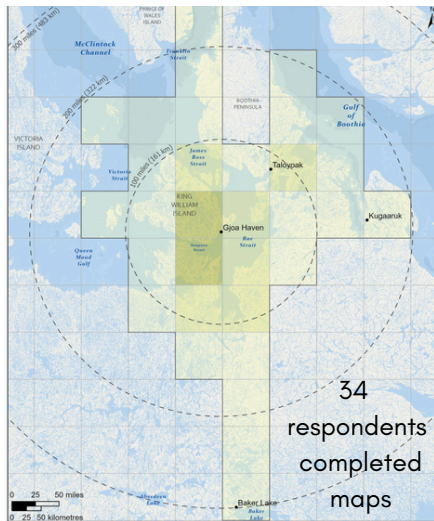
AGES 70 AND ABOVE TRAVEL



Number of respondents who travelled in the selected area

WHERE UQSUQTUURMIUT RESPONDENTS TRAVEL (BY MODE OF TRAVEL)

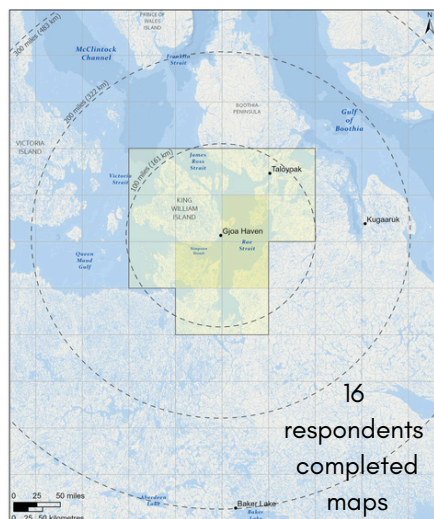
SNOWMOBILE TRAVEL



ATV TRAVEL



BOAT TRAVEL



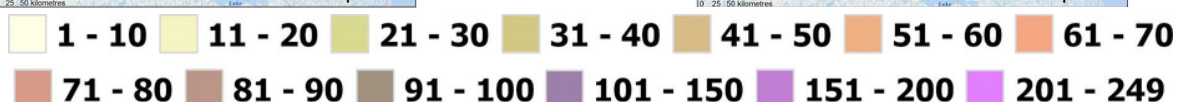
VEHICLE TRAVEL (TRUCK, CAR, SUV)



DOG TEAM TRAVEL



ON FOOT TRAVEL

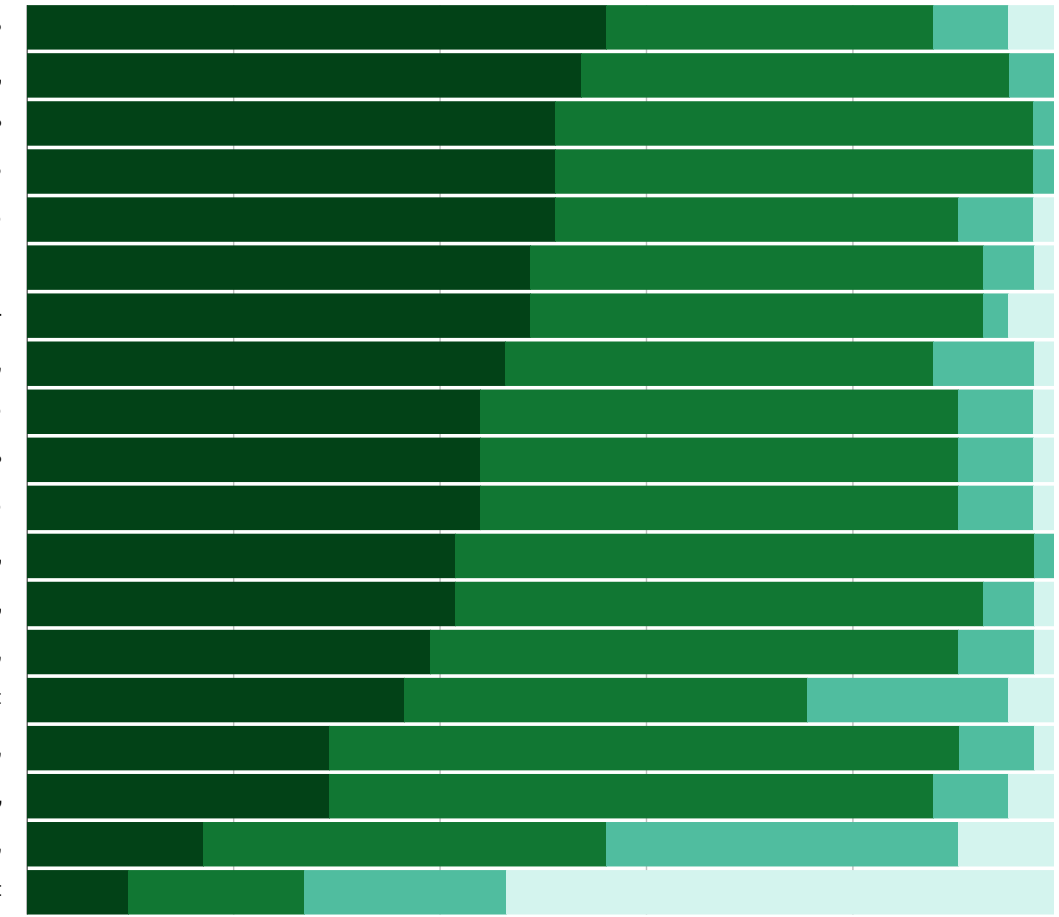


Number of respondents who travelled in the selected area

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◀▶ Ċ^{ᶜᵇ} σ◀ ⋈^{ᶜᵇ} ⋈^{ᶜᵇ}



ᐱᕈᑦ ᐃᓄᐅᒃ

- **ለኒሲክሊኒካል፡**

● **ՀԱՅԼԵԿՈՎՔ:**

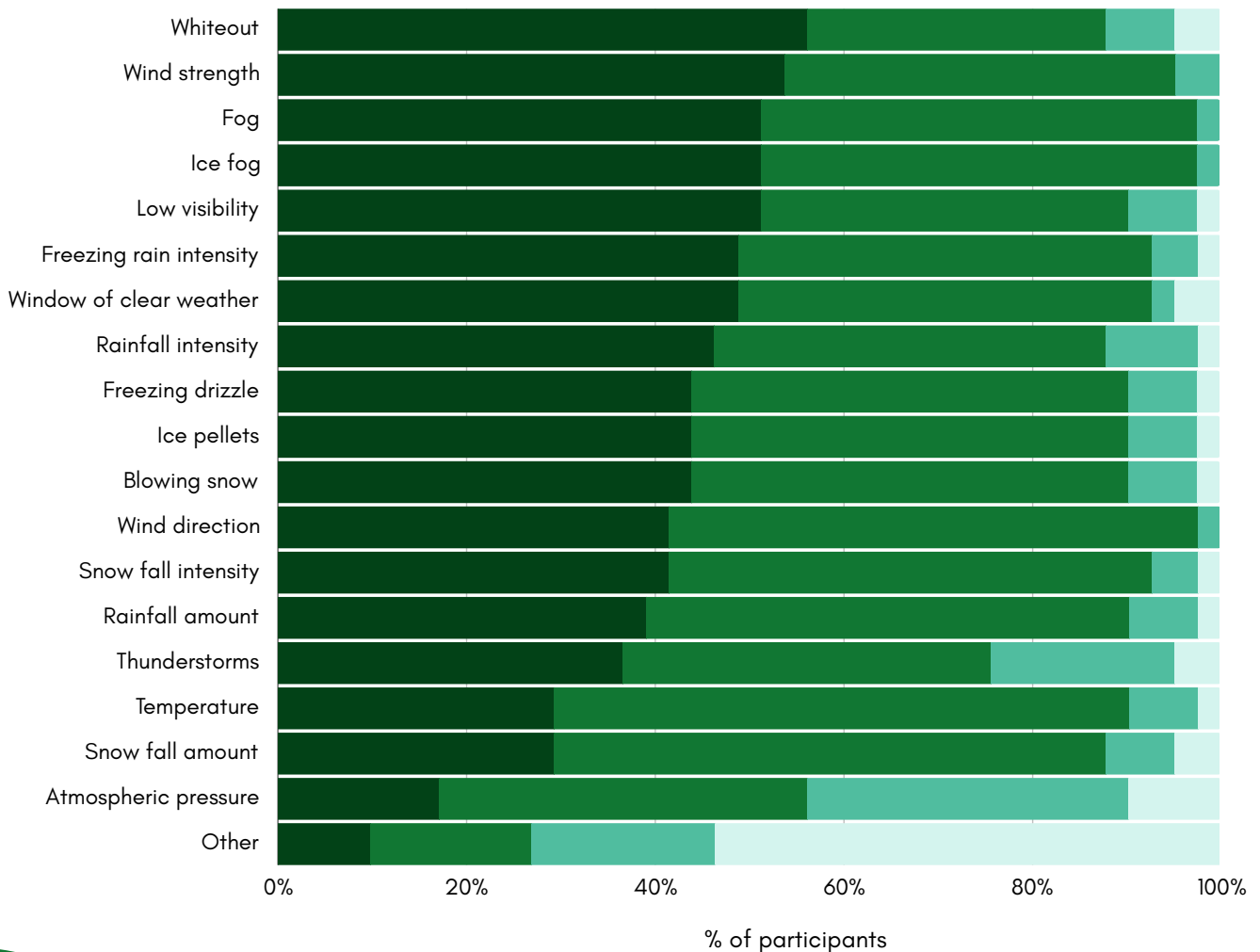
● **ΔΗΛΟΓΡΑΦΙΑ:**

◀▷⁹ᵇσ⁹ᵇζΓ▷⁹ᵇ:

$\underline{m} \underline{a}^L \sigma \triangleright d \triangleleft^c$
 $\triangleleft \triangleright^{\text{fb}} \sigma^{\text{fb}} \text{a} \text{r} \text{C} \triangleright^c$

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WEATHER CONDITIONS UQSUQTURMIUT PARTICIPANTS CHECK BEFORE THEY TRAVEL



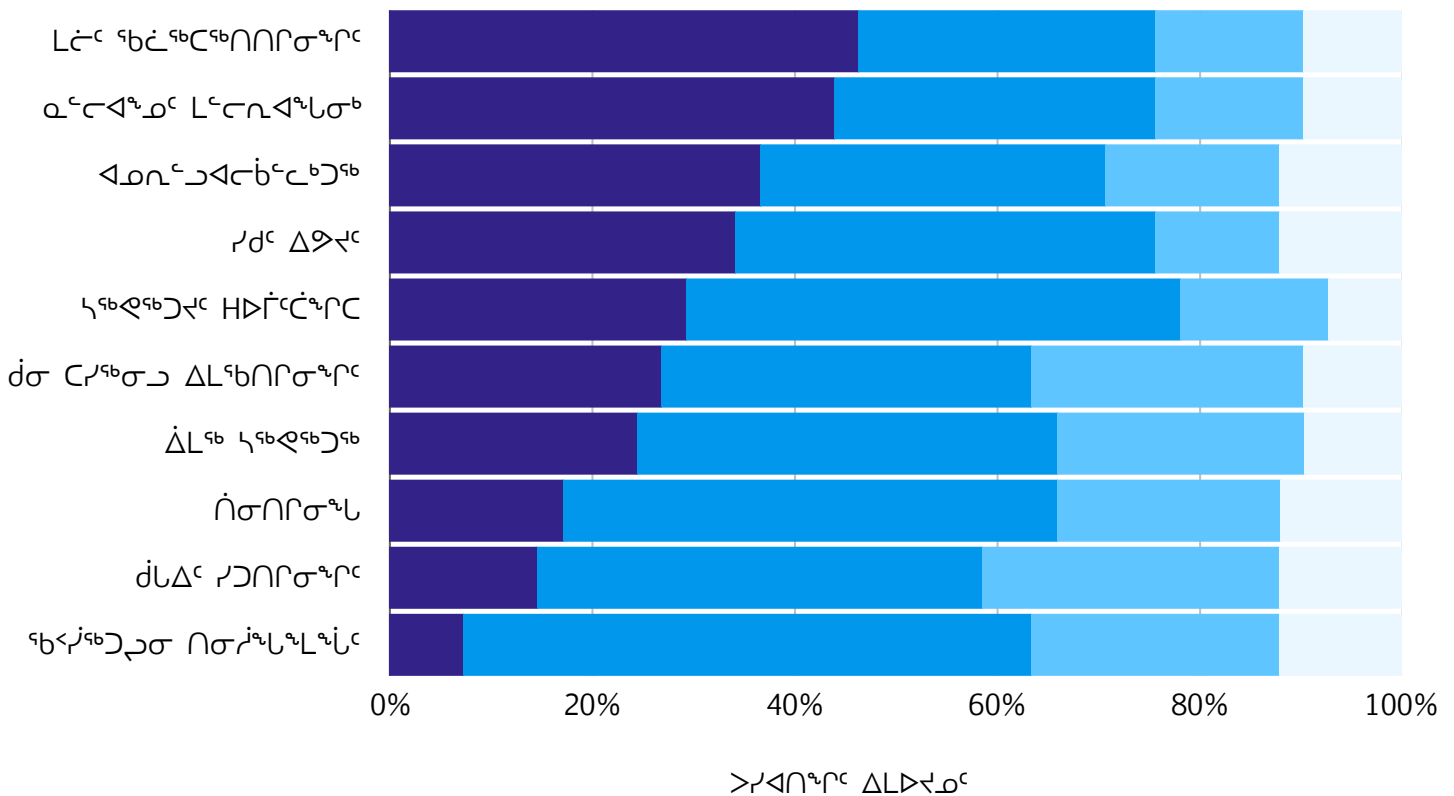
- **Necessary:**
I would not travel without knowing about this condition
- **Good to know:**
It is helpful to know about this condition, it informs travel decisions
- **Don't consider:**
I don't consider this condition to make travel decisions
- **Not applicable:**
This condition is not applicable in my community

Uqsuqturmiut participants check many types of weather conditions before they travel on the land, water, sea ice, and snow. Whiteout, and wind strength, are the weather conditions most commonly considered necessary to check before travelling. Those who said "Other" also check cloudy conditions, look and colour of the sun, and horizon colours.



WEATHER

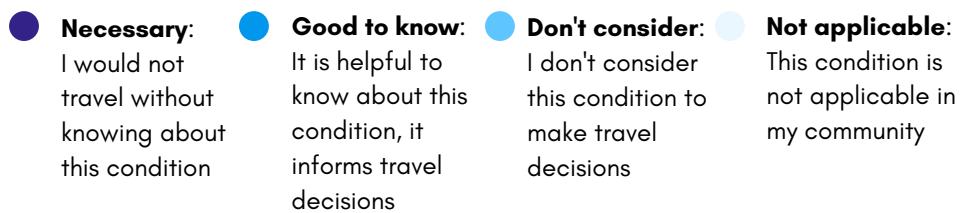
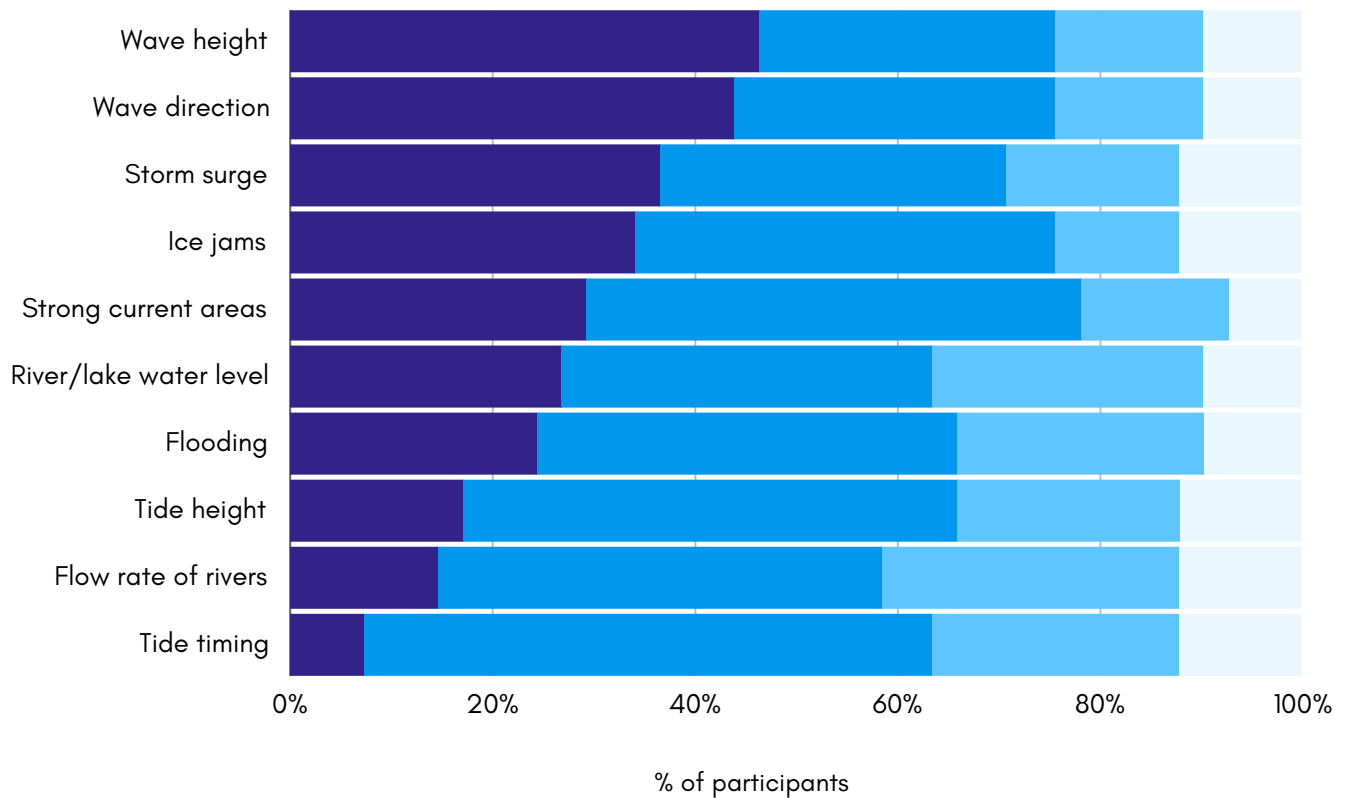
ΔLΔ^c ፍጠራ ምርት ምርት ምርት
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- [illegible]

[illegible]

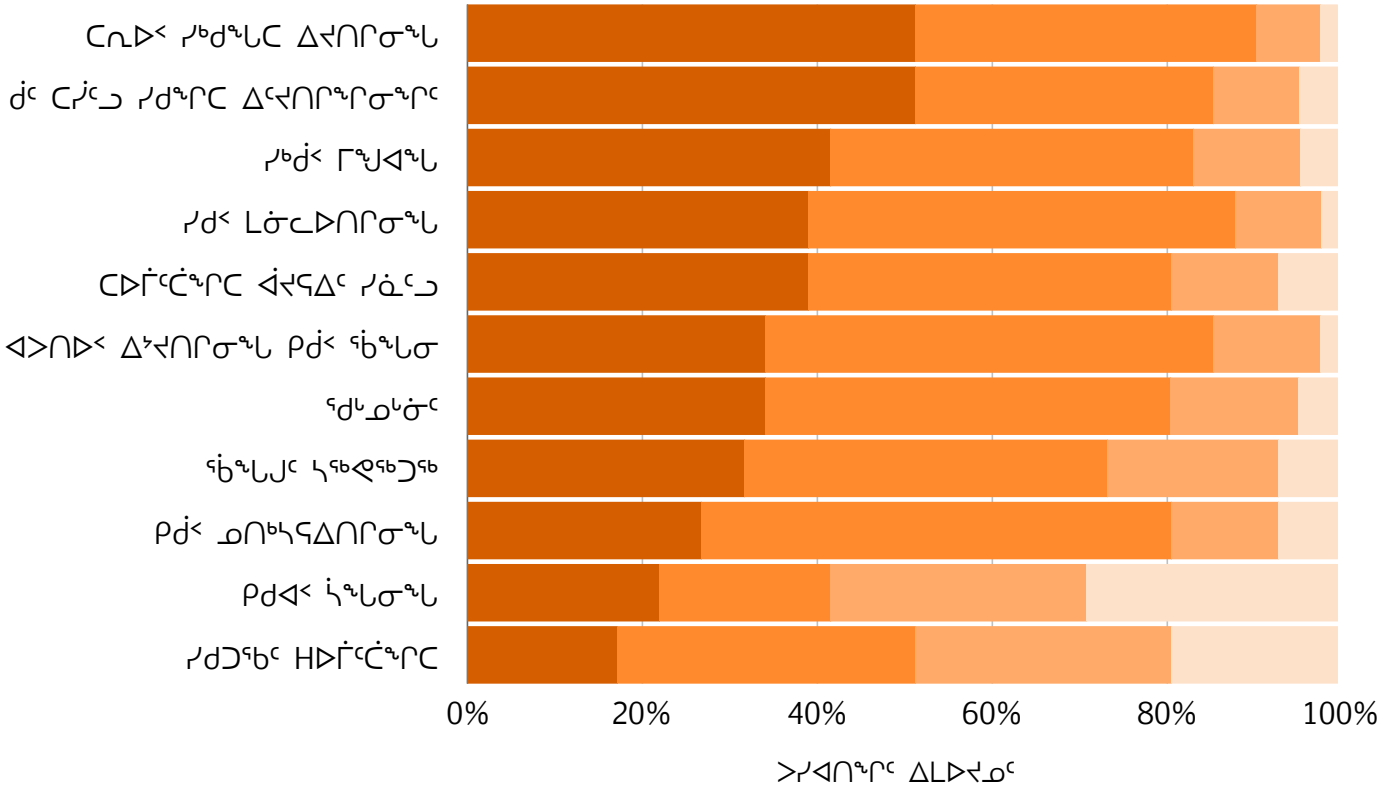
WATER CONDITIONS UQSUQTUURMIUT PARTICIPANTS CHECK BEFORE THEY TRAVEL



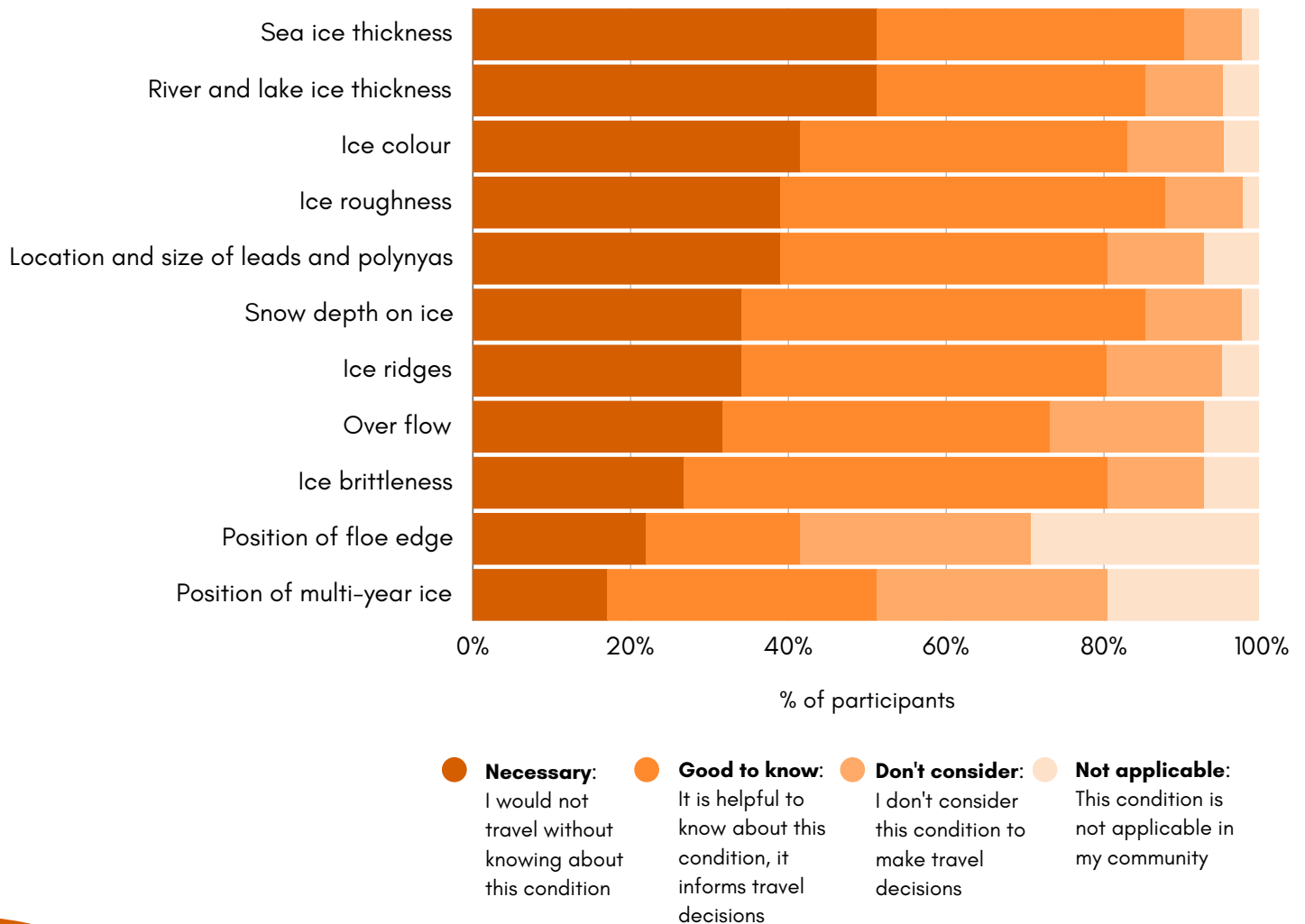
Uqsuqtuurmiut participants check many types of water conditions before they travel on the land. Wave height, and wave direction are the water conditions most commonly considered necessary to check before travelling.

WATER

ᲑᲞᲠᲞᲗᲡᲛ ᲏ᲚᲚᲚᲞᲗᲡ ᲞᲗᲡᲛ
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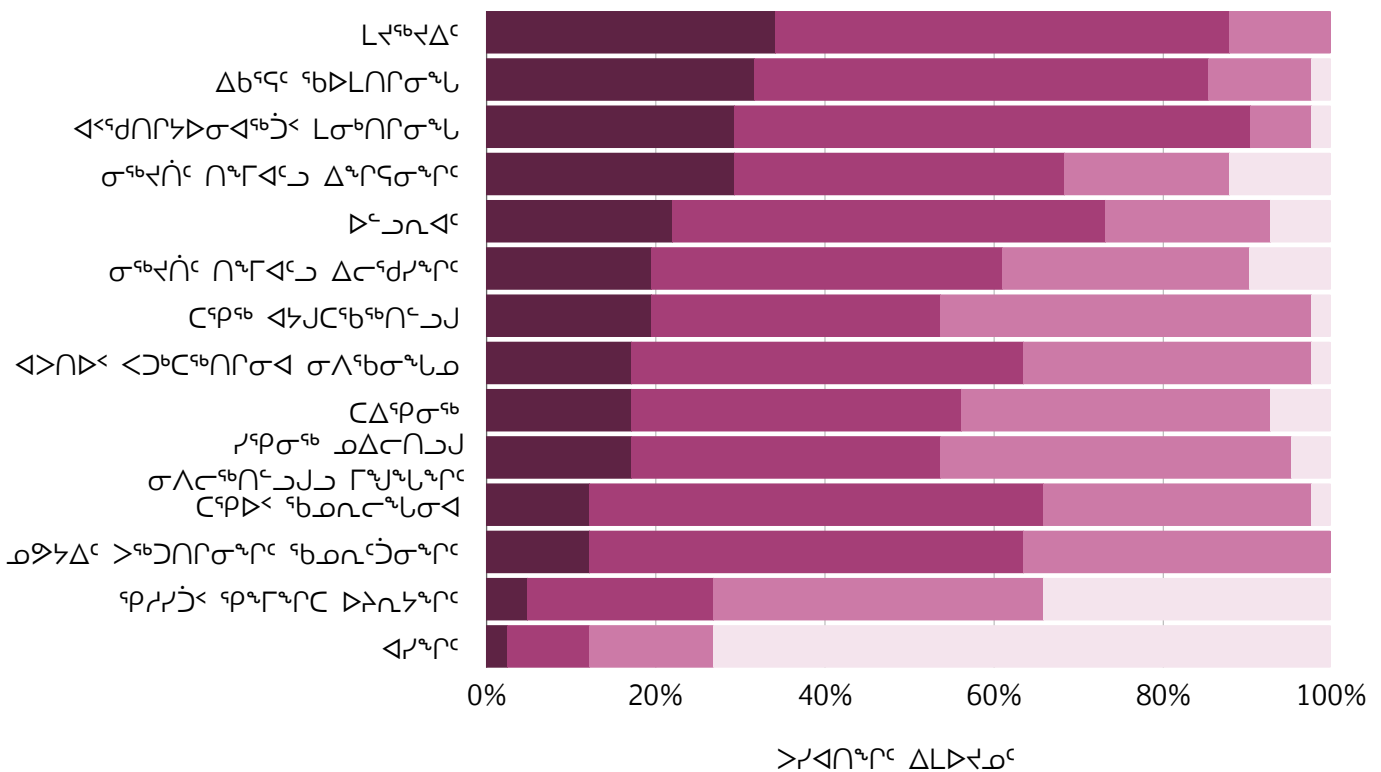
[illegible][illegible]

ICE CONDITIONS UQSUQTUURMIUT PARTICIPANTS CHECK BEFORE THEY TRAVEL



Uqsuqtuurmiut participants check many types of ice conditions before they travel on the land. Sea ice thickness, and river and lake ice thickness are the ice conditions most commonly considered necessary to check before travelling.

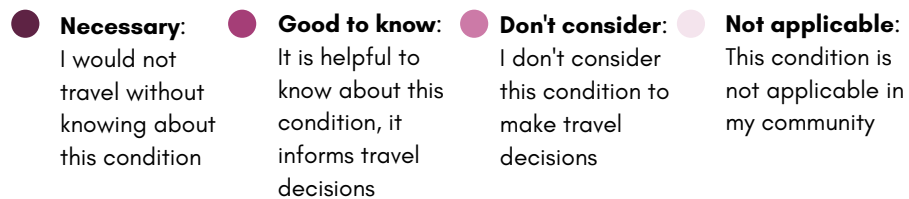
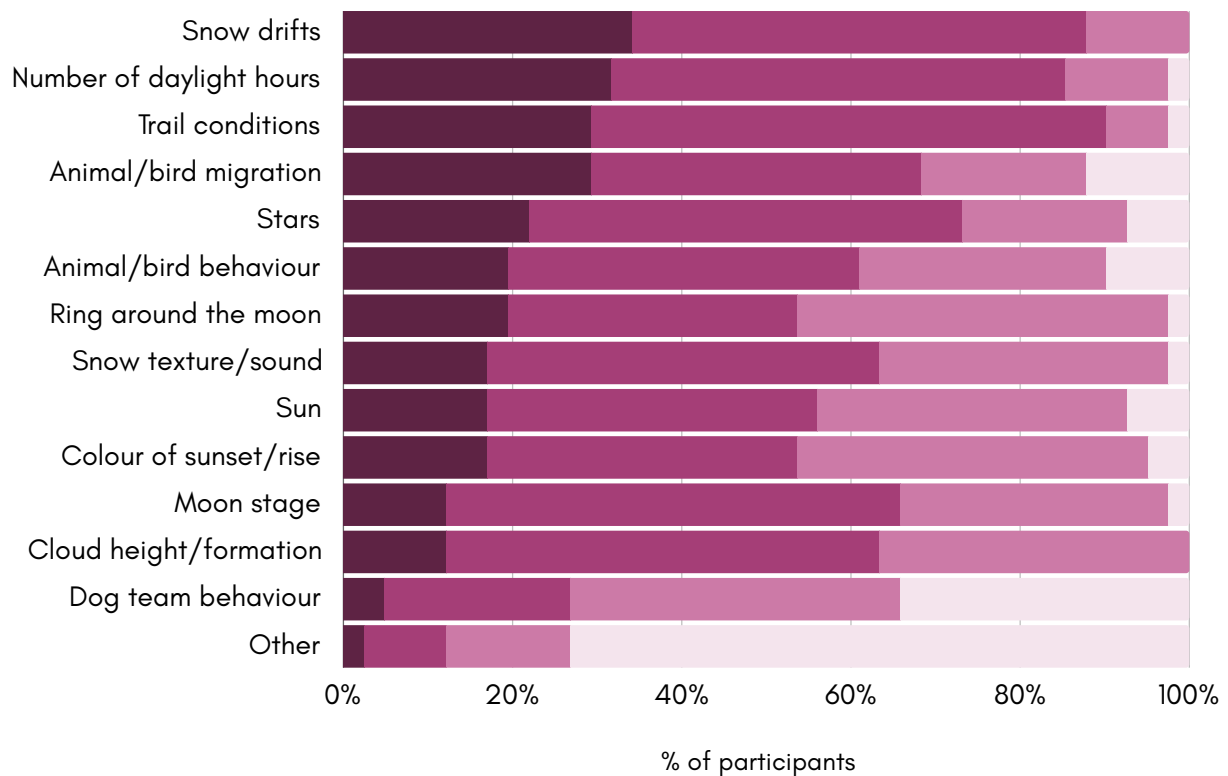


[illegible]

- | | | | |
|---|---|---|--|
| <p>● ለኢኮኖሚክስ፡
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 ስለ ጥበቃ</p> | <p>● ጋራ ምርጫ፡
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 ጋራ ጥገና
 ለፈጠራዊ ጥገና
 ለፈጠራዊ ጥገና
 ለፈጠራዊ ጥገና</p> | <p>● ልማት ልማት፡
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 ለማረጋገጥ</p> | <p>● ፍትሕ ፍትሕ፡
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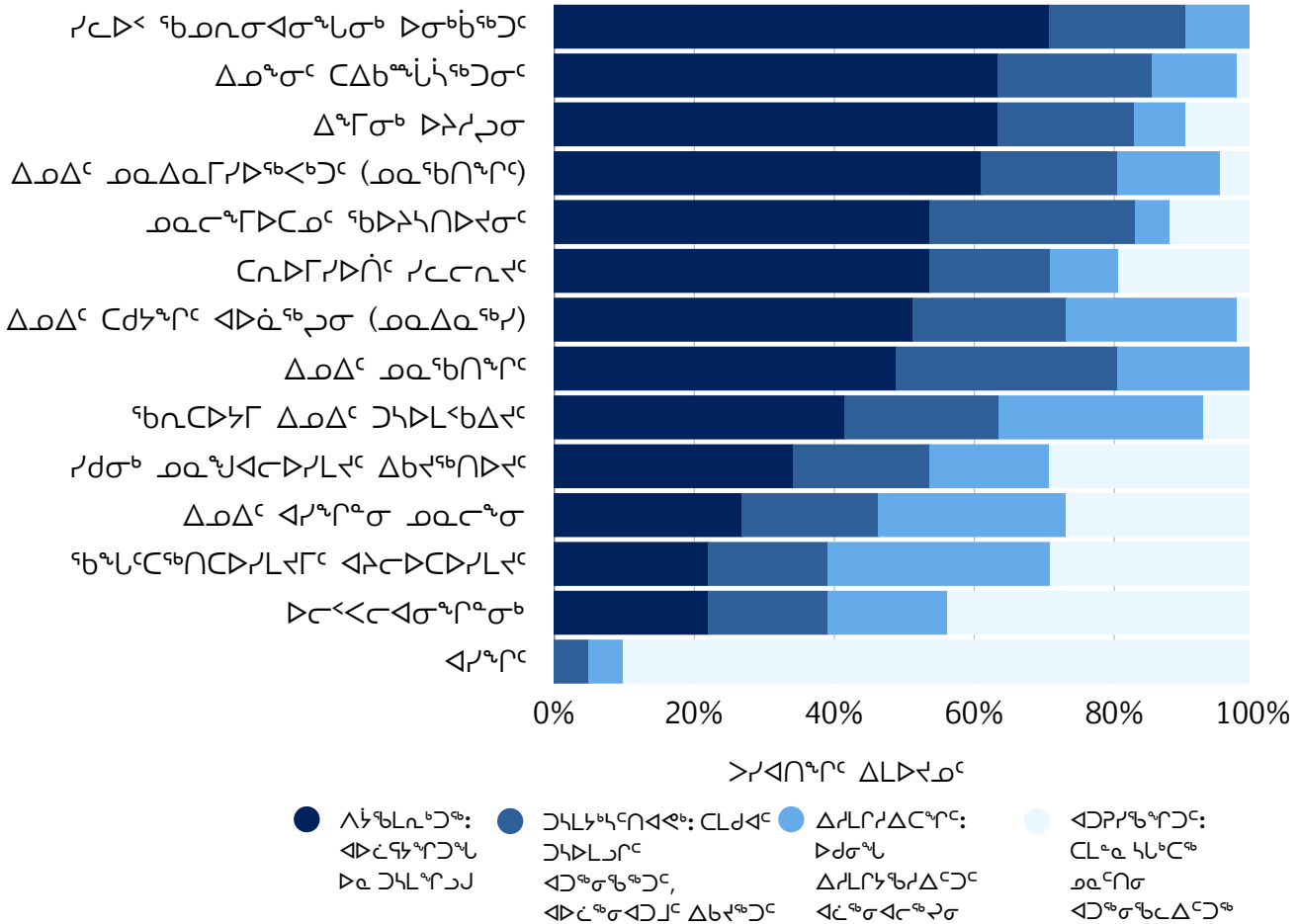
OTHER ENVIRONMENTAL CONDITIONS UQSUQTUURMIUT PARTICIPANTS CHECK BEFORE THEY TRAVEL



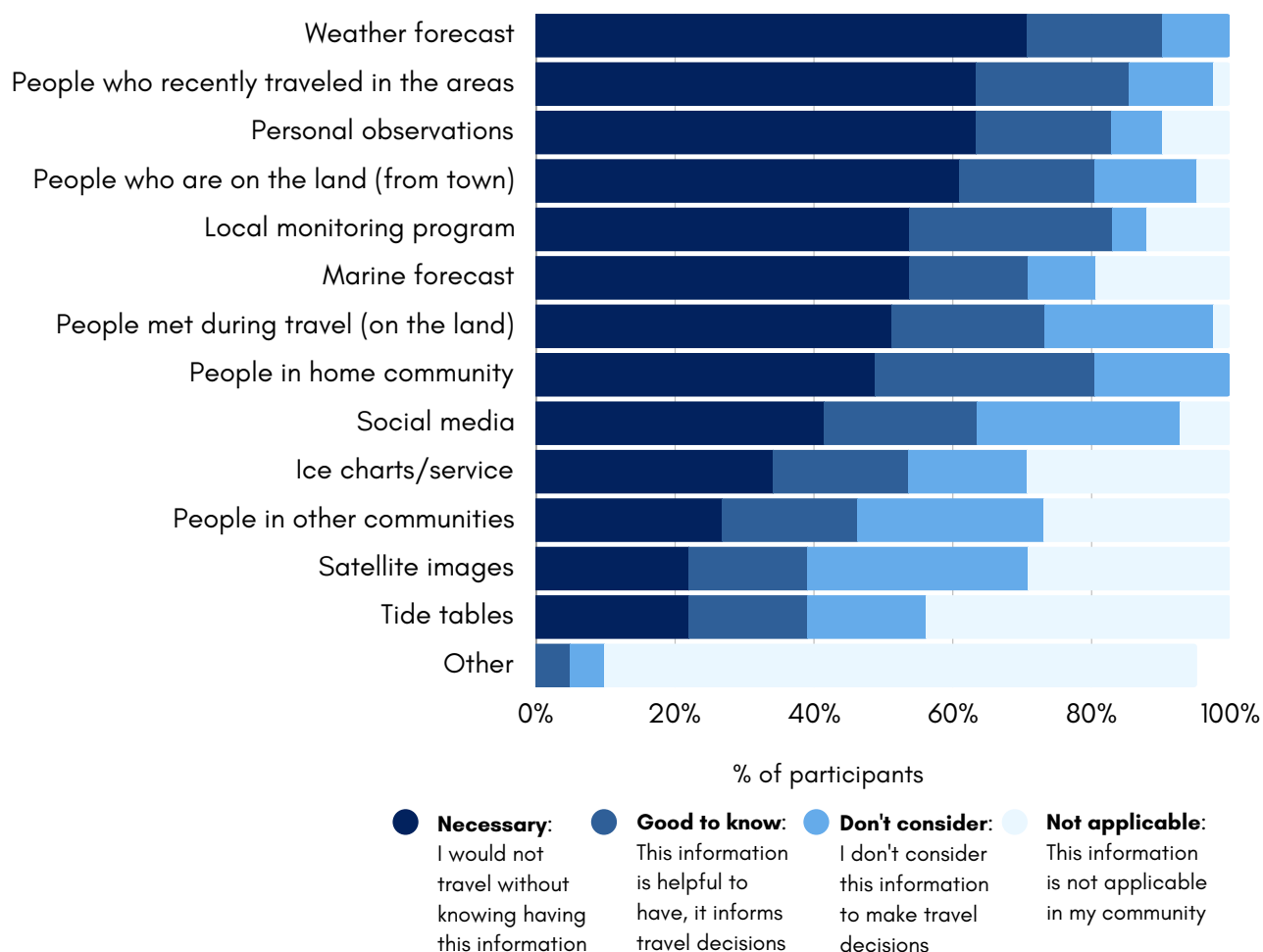
Uqsuqtuurmiut participants check many other environmental conditions before they travel on the land. Snow drifts, number of daylight hours, trail conditions, and animal/bird migration are the other environmental conditions most often considered necessary to check before travelling. Those who said "other" said they feel pressure in their bones.

OTHER

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INFORMATION SOURCES UQSUQTUURMIUT PARTICIPANTS USE WHEN PLANNING A TRIP

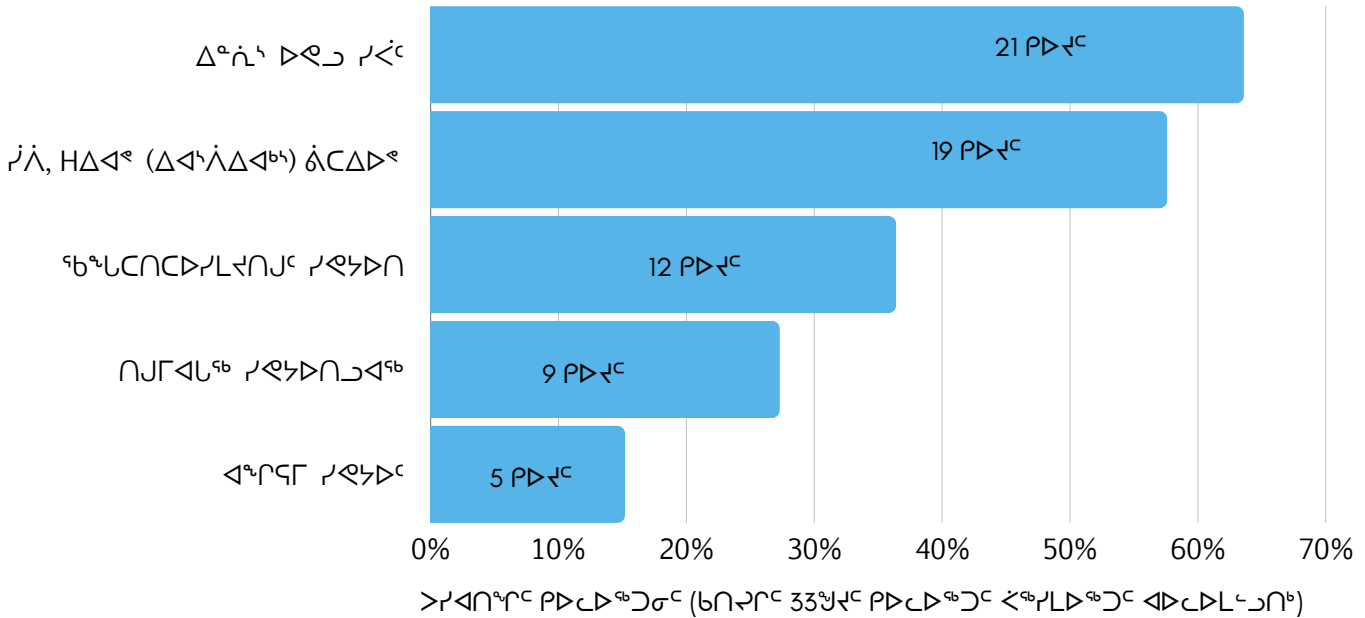
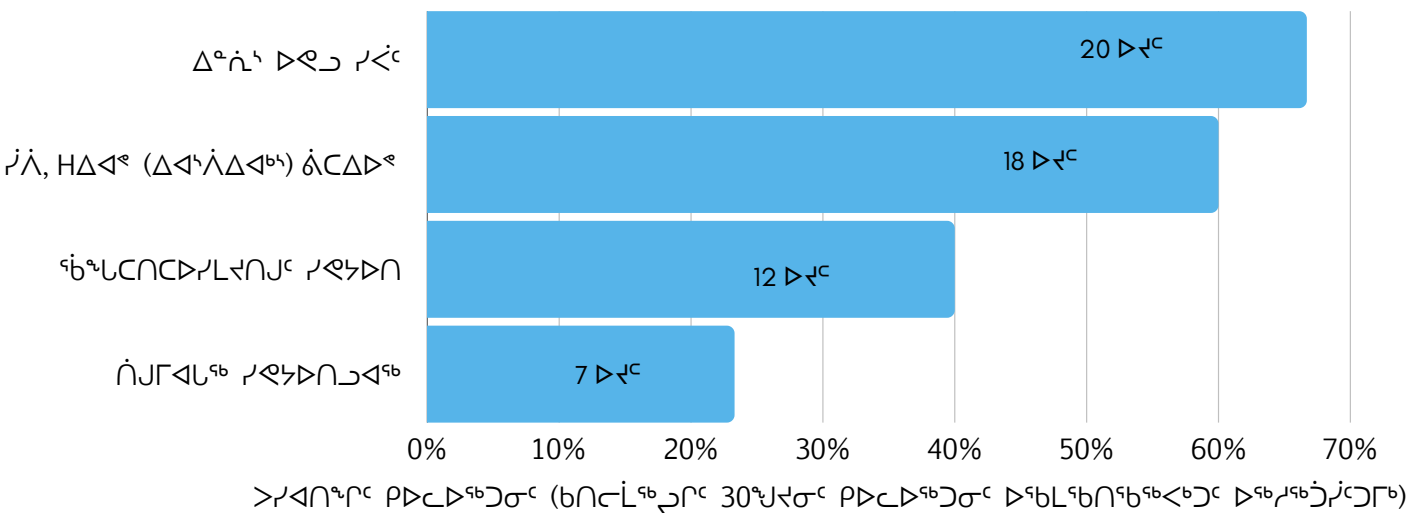


When planning a trip, Uqsuqtuurmiut participants access many sources of environmental information before they travel on the land. Weather forecast, people who recently travelled in the area, personal observations, people who are on the land, local monitoring programs, marine forecast, and people met during travel on the land are information sources that participants most often consider necessary to check before travelling.

While on the land and when deciding to return home personal observations of environmental conditions, people who have recently taken the route or been close to the area participants are going to, people who are on the land in the area participants are planning to travel to, and people participants meet while out on the land are the information sources that are used most by Uqsuqtuurmiut participants.

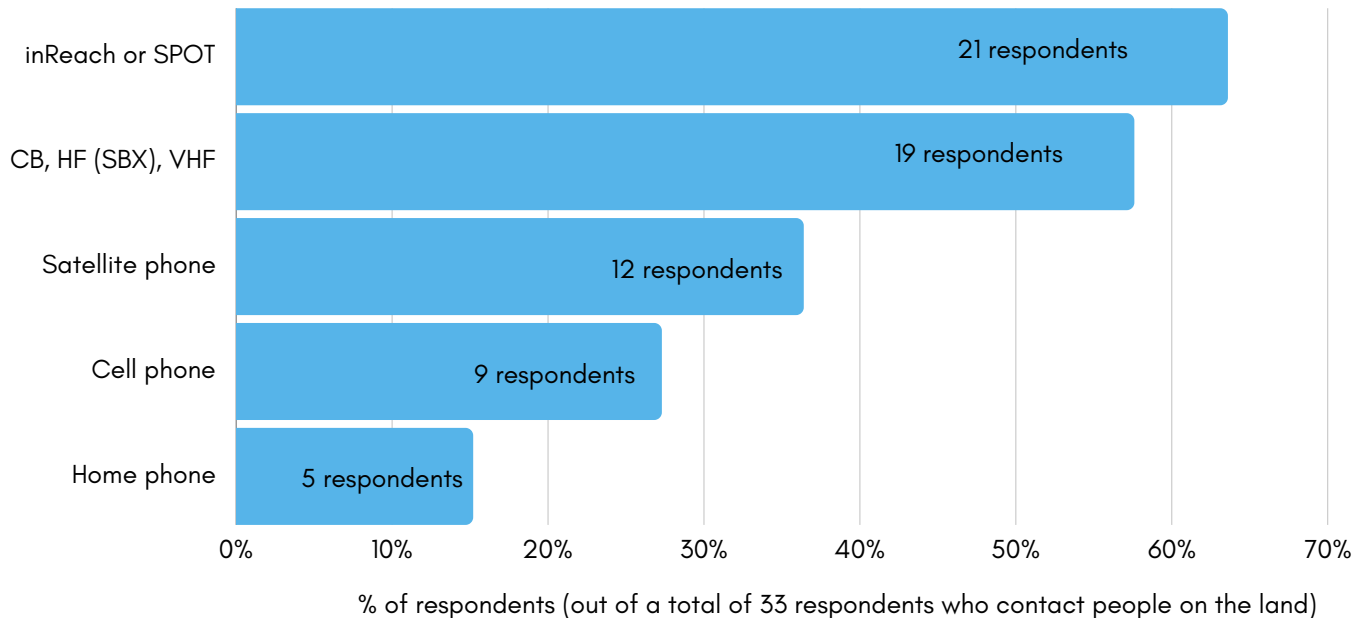
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ᐅᖃᓚᖃᓂᓱᓴᓱᑦ ᐃᓄᐃᑦ ᐊᐅᓕᐅᓚᒻᑦ ᐅᖃᓴᖃᑐᓴᓶᓂ

[illegible][illegible]

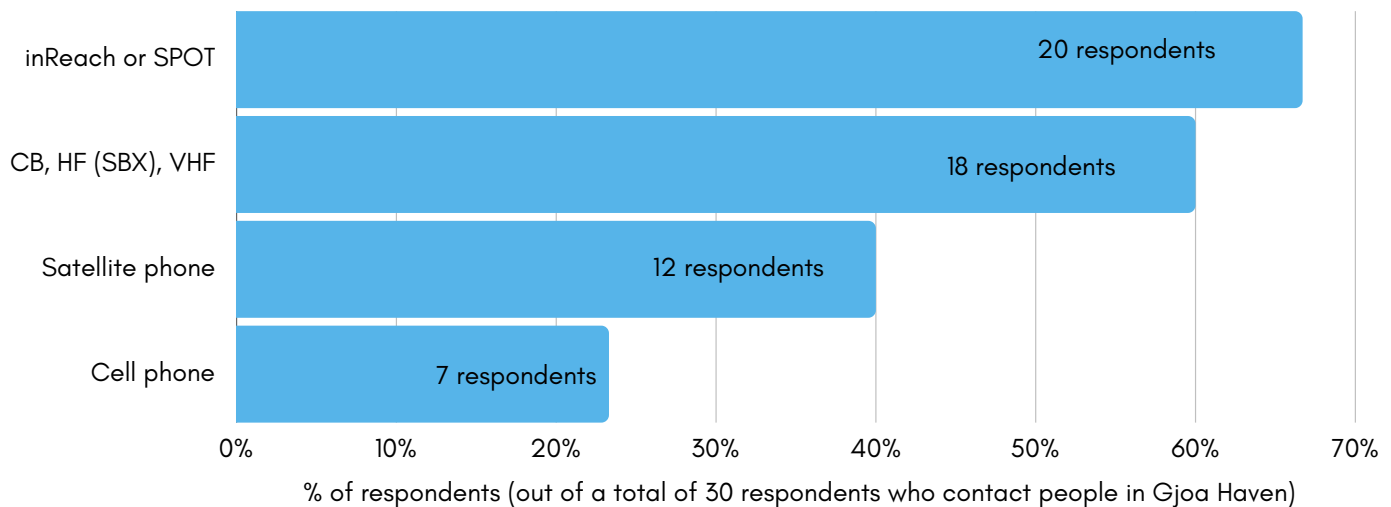
CONTACTING COMMUNITY INFORMATION SOURCES

Contacting people on the land while in Gjoa Haven



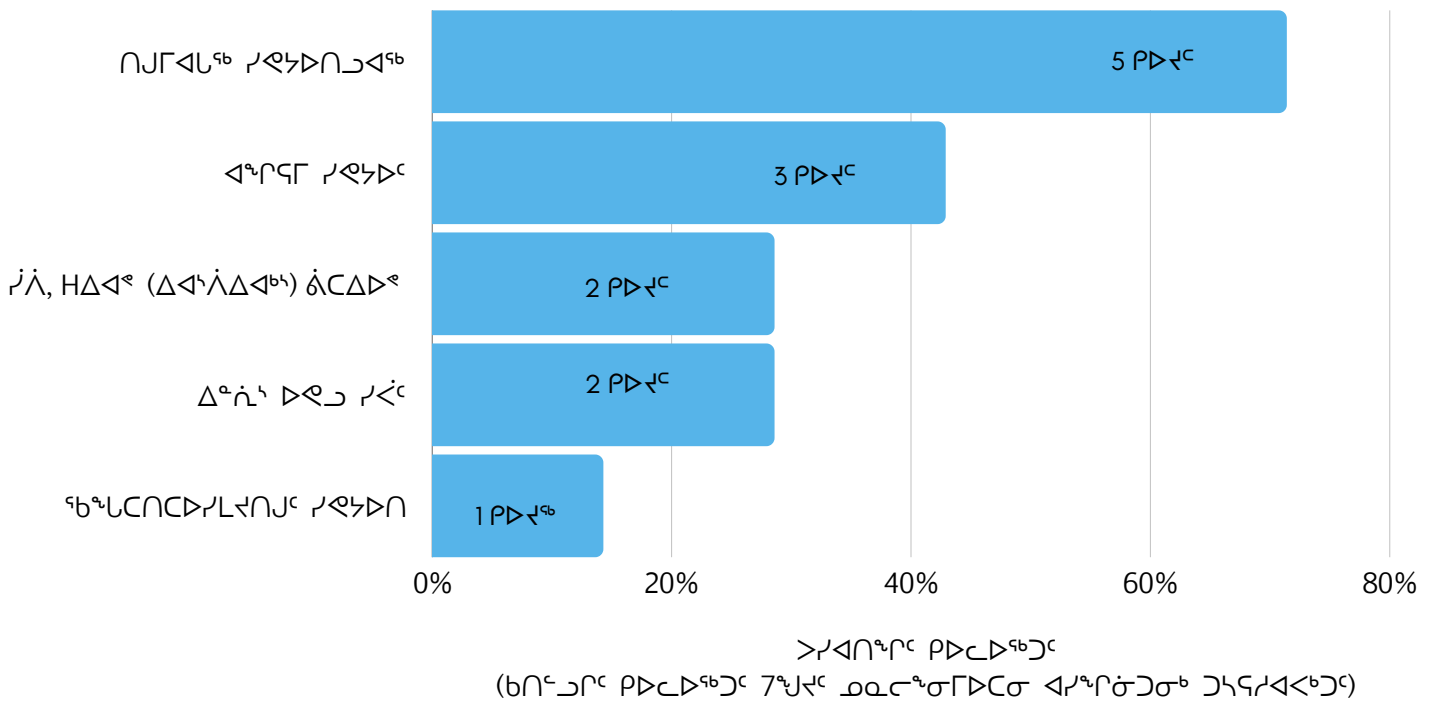
Respondents who contact people on the land to ask about environmental conditions while they themselves are in Gjoa Haven mostly use inReach or SPOT devices, or short-wave radios (e.g. CB, HF(SBX), VHF) to contact them.

Contacting people in Gjoa Haven while on the land



Respondents who contact people in Gjoa Haven to ask about environmental conditions while they themselves are on the land mostly use cell inReach or SPOT devices or short-wave radios (CB, HF(SBX), VHF).

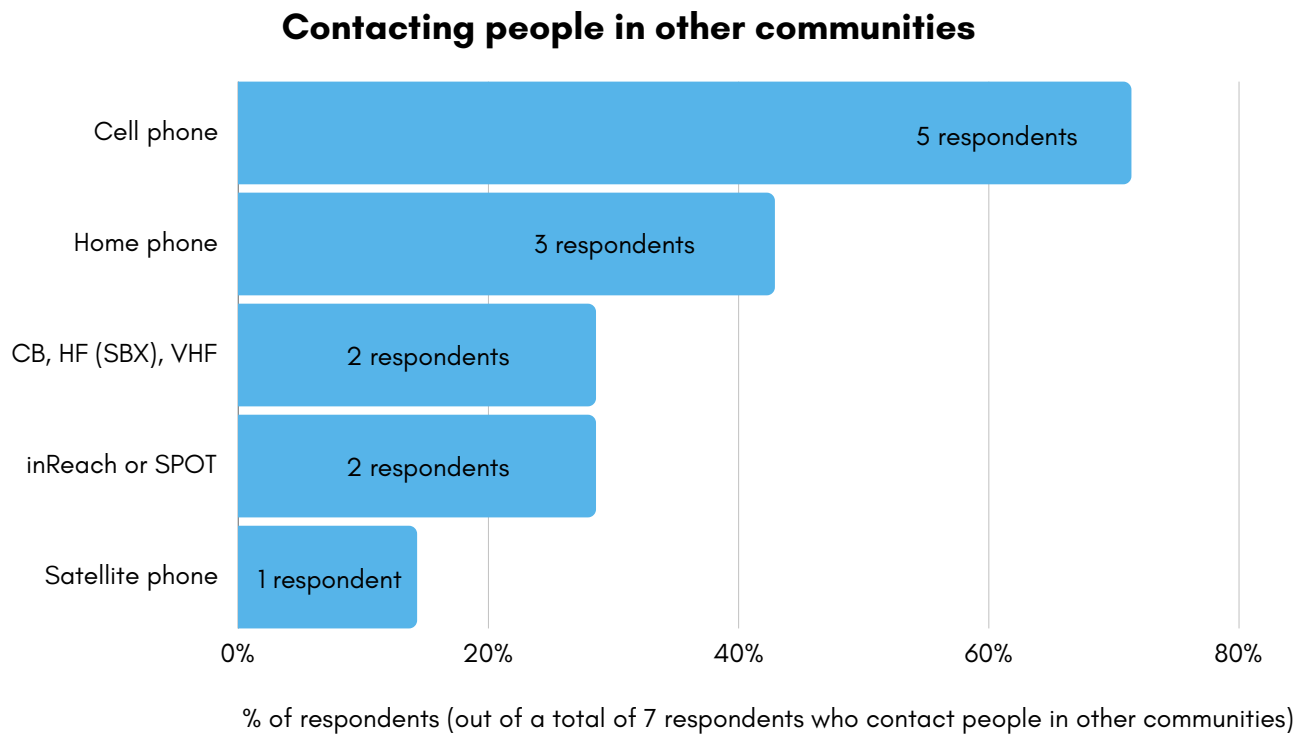
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 (ክፍል 1)

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ሚዛንና ፍትሕ ሥራ ጋዜጣዊ ፍጹምነት ሥራ ይደረጋል፡፡

[illegible]

CONTACTING COMMUNITY INFORMATION SOURCES (CONTINUED)



Respondents who contact people in other communities to ask about environmental conditions mostly use cell phones and home phones to contact them.

The other communities most commonly contacted are: Taloyoak, and Cambridge Bay.

2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-2636-2637-2638-2639-2640-2641-2642-2643-2644-2645-2646-2647-2648-2649-2650-2651-2652-2653-2654-2655-2656-2657-2658-2659-2660-2661-2662-2663-2664-2665-2666-2667-2668-2669-2670-2671-2672-2673-2674-2675-2676-2677-2678-2679-2680-2681-2682-2683-2684-2685-2686-2687-2688-2689-2690-2691-2692-2693-2694-2695-2696-2697-2698-2699-2700-2701-2702-2703-2704-2705-2706-2707-2708-2709-2710-2711-2712-2713-2714-2715-2716-2717-2718-2719-2720-2721-2722-2723-2724-2725-2726-2727-2728-2729-2730-2731-2732-2733-2734-2735-2736-2737-2738-2739-2740-2741-2742-2743-2744-2745-2746-2747-2748-2749-2750-2751-2752-2753-2754-2755-2756-2757-2758-2759-2760-2761-2762-2763-2764-2765-2766-2767-2768-2769-2770-2771-2772-2773-2774-2775-2776-2777-2778-2779-2780-2781-2782-2783-2784-2785-2786-2787-2788-2789-2790-2791-2792-2793-2794-2795-2796-2797-2798-2799-2800-2801-2802-2803-2804-2805-2806-2807-2808-2809-2810-2811-2812-2813-2814-2815-2816-2817-2818-2819-2820-2821-2822-2823-2824-2825-2826-2827-2828-2829-2830-2831-2832-2833-2834-2835-2836-2837-2838-2839-2840-2841-2

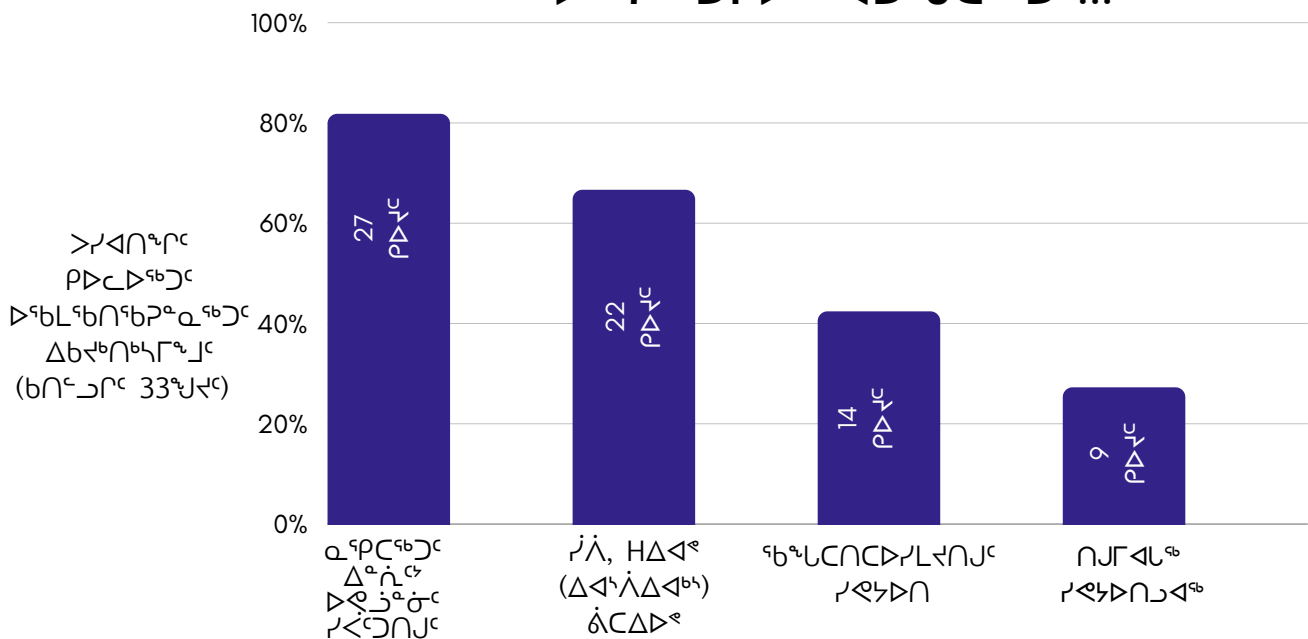


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 ለሰላም ልማት ስላሳጥላለሁት ለሰላም ልማት
 ስላሳጥላለሁት ለሰላም ልማት ስላሳጥላለሁት 81
 ስላሳጥላለሁት (የሰላም ልማት 41ኛው ዓመት)
 ስላሳጥላለሁት ስላሳጥላለሁት ስላሳጥላለሁት

ርዕሰ ሚኒስትር 33ኛው የፖለቲካ ልምድ ማረጋገጫ ማስፈጸሚያ ሚኒስትር
ደረጃ (94 ምዕራፍ) የፖለቲካ ልምድ ማረጋገጫ ሚኒስትር (67 ምዕራፍ)
ለፍትሕ ሚኒስትር (55 ምዕራፍ), ልማት ሚኒስትር ሆኖ ሰርዓት ይከተላል፡፡ የፖለቲካ ልምድ
 ሚኒስትር ሆኖ ሰርዓት ይከተላል፡፡ (24 ምዕራፍ), የፖለቲካ ልምድ ሚኒስትር (15
 ምዕራፍ), ልማት ሚኒስትር ሆኖ ሰርዓት ይከተላል፡፡ (12 ምዕራፍ), የፖለቲካ ልምድ
 ሚኒስትር ሆኖ ሰርዓት ይከተላል፡፡ (3 ምዕራፍ)፡፡

[illegible]

Δ₆Δ₄Δ₂Δ₀Δ₋₂Δ₋₄Δ₋₆Δ₋₈Δ₋₁₀Δ₋₁₂Δ₋₁₄Δ₋₁₆Δ₋₁₈Δ₋₂₀Δ₋₂₂Δ₋₂₄Δ₋₂₆Δ₋₂₈Δ₋₃₀Δ₋₃₂Δ₋₃₄Δ₋₃₆Δ₋₃₈Δ₋₄₀Δ₋₄₂Δ₋₄₄Δ₋₄₆Δ₋₄₈Δ₋₅₀Δ₋₅₂Δ₋₅₄Δ₋₅₆Δ₋₅₈Δ₋₆₀Δ₋₆₂Δ₋₆₄Δ₋₆₆Δ₋₆₈Δ₋₇₀Δ₋₇₂Δ₋₇₄Δ₋₇₆Δ₋₇₈Δ₋₈₀Δ₋₈₂Δ₋₈₄Δ₋₈₆Δ₋₈₈Δ₋₉₀Δ₋₉₂Δ₋₉₄Δ₋₉₆Δ₋₉₈Δ₋₁₀₀Δ₋₁₀₂Δ₋₁₀₄Δ₋₁₀₆Δ₋₁₀₈Δ₋₁₁₀Δ₋₁₁₂Δ₋₁₁₄Δ₋₁₁₆Δ₋₁₁₈Δ₋₁₂₀Δ₋₁₂₂Δ₋₁₂₄Δ₋₁₂₆Δ₋₁₂₈Δ₋₁₃₀Δ₋₁₃₂Δ₋₁₃₄Δ₋₁₃₆Δ₋₁₃₈Δ₋₁₄₀Δ₋₁₄₂Δ₋₁₄₄Δ₋₁₄₆Δ₋₁₄₈Δ₋₁₅₀Δ₋₁₅₂Δ₋₁₅₄Δ₋₁₅₆Δ₋₁₅₈Δ₋₁₆₀Δ₋₁₆₂Δ₋₁₆₄Δ₋₁₆₆Δ₋₁₆₈Δ₋₁₇₀Δ₋₁₇₂Δ₋₁₇₄Δ₋₁₇₆Δ₋₁₇₈Δ₋₁₈₀Δ₋₁₈₂Δ₋₁₈₄Δ₋₁₈₆Δ₋₁₈₈Δ₋₁₉₀Δ₋₁₉₂Δ₋₁₉₄Δ₋₁₉₆Δ₋₁₉₈Δ₋₂₀₀Δ₋₂₀₂Δ₋₂₀₄Δ₋₂₀₆Δ₋₂₀₈Δ₋₂₁₀Δ₋₂₁₂Δ₋₂₁₄Δ₋₂₁₆Δ₋₂₁₈Δ₋₂₂₀Δ₋₂₂₂Δ₋₂₂₄Δ₋₂₂₆Δ₋₂₂₈Δ₋₂₃₀Δ₋₂₃₂Δ₋₂₃₄Δ₋₂₃₆Δ₋₂₃₈Δ₋₂₄₀Δ₋₂₄₂Δ₋₂₄₄Δ₋₂₄₆Δ₋₂₄₈Δ₋₂₅₀Δ₋₂₅₂Δ₋₂₅₄Δ₋₂₅₆Δ₋₂₅₈Δ₋₂₆₀Δ₋₂₆₂Δ₋₂₆₄Δ₋₂₆₆Δ₋₂₆₈Δ₋₂₇₀Δ₋₂₇₂Δ₋₂₇₄Δ₋₂₇₆Δ₋₂₇₈Δ₋₂₈₀Δ₋₂₈₂Δ₋₂₈₄Δ₋₂₈₆Δ₋₂₈₈Δ₋₂₉₀Δ₋₂₉₂Δ₋₂₉₄Δ₋₂₉₆Δ₋₂₉₈Δ₋₃₀₀Δ₋₃₀₂Δ₋₃₀₄Δ₋₃₀₆Δ₋₃₀₈Δ₋₃₁₀Δ₋₃₁₂Δ₋₃₁₄Δ₋₃₁₆Δ₋₃₁₈Δ₋₃₂₀Δ₋₃₂₂Δ₋₃₂₄Δ₋₃₂₆Δ₋₃₂₈Δ₋₃₃₀Δ₋₃₃₂Δ₋₃₃₄Δ₋₃₃₆Δ₋₃₃₈Δ₋₃₄₀Δ₋₃₄₂Δ₋₃₄₄Δ₋₃₄₆Δ₋₃₄₈Δ₋₃₅₀Δ₋₃₅₂Δ₋₃₅₄Δ₋₃₅₆Δ₋₃₅₈Δ₋₃₆₀Δ₋₃₆₂Δ₋₃₆₄Δ₋₃₆₆Δ₋₃₆₈Δ₋₃₇₀Δ₋₃₇₂Δ₋₃₇₄Δ₋₃₇₆Δ₋₃₇₈Δ₋₃₈₀Δ₋₃₈₂Δ₋₃₈₄Δ₋₃₈₆Δ₋₃₈₈Δ₋₃₉₀Δ₋₃₉₂Δ₋₃₉₄Δ₋₃₉₆Δ₋₃₉₈Δ₋₄₀₀Δ₋₄₀₂Δ₋₄₀₄Δ₋₄₀₆Δ₋₄₀₈Δ₋₄₁₀Δ₋₄₁₂Δ₋₄₁₄Δ₋₄₁₆Δ₋₄₁₈Δ₋₄₂₀Δ₋₄₂₂Δ₋₄₂₄Δ₋₄₂₆Δ₋₄₂₈Δ₋₄₃₀Δ₋₄₃₂Δ₋₄₃₄Δ₋₄₃₆Δ₋₄₃₈Δ₋₄₄₀Δ₋₄₄₂Δ₋₄₄₄Δ₋₄₄₆Δ₋₄₄₈Δ₋₄₅₀Δ₋₄₅₂Δ₋₄₅₄Δ₋₄₅₆Δ₋₄₅₈Δ₋₄₆₀Δ₋₄₆₂Δ₋₄₆₄Δ₋₄₆₆Δ₋₄₆₈Δ₋₄₇₀Δ₋₄₇₂Δ₋₄₇₄Δ₋₄₇₆Δ₋₄₇₈Δ₋₄₈₀Δ₋₄₈₂Δ₋₄₈₄Δ₋₄₈₆Δ₋₄₈₈Δ₋₄₉₀Δ₋₄₉₂Δ₋₄₉₄Δ₋₄₉₆Δ₋₄₉₈Δ₋₅₀₀Δ₋₅₀₂Δ₋₅₀₄Δ₋₅₀₆Δ₋₅₀₈Δ₋₅₁₀Δ₋₅₁₂Δ₋₅₁₄Δ₋₅₁₆Δ₋₅₁₈Δ₋₅₂₀Δ₋₅₂₂Δ₋₅₂₄Δ₋₅₂₆Δ₋₅₂₈Δ₋₅₃₀Δ₋₅₃₂Δ₋₅₃₄Δ₋₅₃₆Δ₋₅₃₈Δ₋₅₄₀Δ₋₅₄₂Δ₋₅₄₄Δ₋₅₄₆Δ₋₅₄₈Δ₋₅₅₀Δ₋₅₅₂Δ₋₅₅₄Δ₋₅₅₆Δ₋₅₅₈Δ₋₅₆₀Δ₋₅₆₂Δ₋₅₆₄Δ₋₅₆₆Δ₋₅₆₈Δ₋₅₇₀Δ₋₅₇₂Δ₋₅₇₄Δ₋₅₇₆Δ₋₅₇₈Δ₋₅₈₀Δ₋₅₈₂Δ₋₅₈₄Δ₋₅₈₆Δ₋₅₈₈Δ₋₅₉₀Δ₋₅₉₂Δ₋₅₉₄Δ₋₅₉₆Δ₋₅₉₈Δ₋₆₀₀Δ₋₆₀₂Δ₋₆₀₄Δ₋₆₀₆Δ₋₆₀₈Δ₋₆₁₀Δ₋₆₁₂Δ₋₆₁₄Δ₋₆₁₆Δ₋₆₁₈Δ₋₆₂₀Δ₋₆₂₂Δ₋₆₂₄Δ₋₆₂₆Δ₋₆₂₈Δ₋₆₃₀Δ₋₆₃₂Δ₋₆₃₄Δ₋₆₃₆Δ₋₆₃₈Δ₋₆₄₀Δ₋₆₄₂Δ₋₆₄₄Δ₋₆₄₆Δ₋₆₄₈Δ₋₆₅₀Δ₋₆₅₂Δ₋₆₅₄Δ₋₆₅₆Δ₋₆₅₈Δ₋₆₆₀Δ₋₆₆₂Δ₋₆₆₄Δ₋₆₆₆Δ₋₆₆₈Δ₋₆₇₀Δ₋₆₇₂Δ₋₆₇₄Δ₋₆₇₆Δ₋₆₇₈Δ₋₆₈₀Δ₋₆₈₂Δ₋₆₈₄Δ₋₆₈₆Δ₋₆₈₈Δ₋₆₉₀Δ₋₆₉₂Δ₋₆₉₄Δ₋₆₉₆Δ₋₆₉₈Δ₋₇₀₀Δ₋₇₀₂Δ₋₇₀₄Δ₋₇₀₆Δ₋₇₀₈Δ₋₇₁₀Δ₋₇₁₂Δ₋₇₁₄Δ₋₇₁₆Δ₋₇₁₈Δ₋₇₂₀Δ₋₇₂₂Δ₋₇₂₄Δ₋₇₂₆Δ₋₇₂₈Δ₋₇₃₀Δ₋₇₃₂Δ₋₇₃₄Δ₋₇₃₆Δ₋₇₃₈Δ₋₇₄₀Δ₋₇₄₂Δ₋₇₄₄Δ₋₇₄₆Δ₋₇₄₈Δ₋₇₅₀Δ₋₇₅₂Δ₋₇₅₄Δ₋₇₅₆Δ₋₇₅₈Δ₋₇₆₀Δ₋₇₆₂Δ₋₇₆₄Δ₋₇₆₆Δ₋₇₆₈Δ₋₇₇₀Δ₋₇₇₂Δ₋₇₇₄Δ₋₇₇₆Δ₋₇₇₈Δ₋₇₈₀Δ₋₇₈₂Δ₋₇₈₄Δ₋₇₈₆Δ₋₇₈₈Δ₋₇₉₀Δ₋₇₉₂Δ₋₇₉₄Δ₋₇₉₆Δ₋₇₉₈Δ₋₈₀₀Δ₋₈₀₂Δ₋₈₀₄Δ₋₈₀₆Δ₋₈₀₈Δ₋₈₁₀Δ₋₈₁₂Δ₋₈₁₄Δ₋₈₁₆Δ₋₈₁₈Δ₋₈₂₀Δ₋₈₂₂Δ₋₈



CONTACTING OTHERS FOR HELP

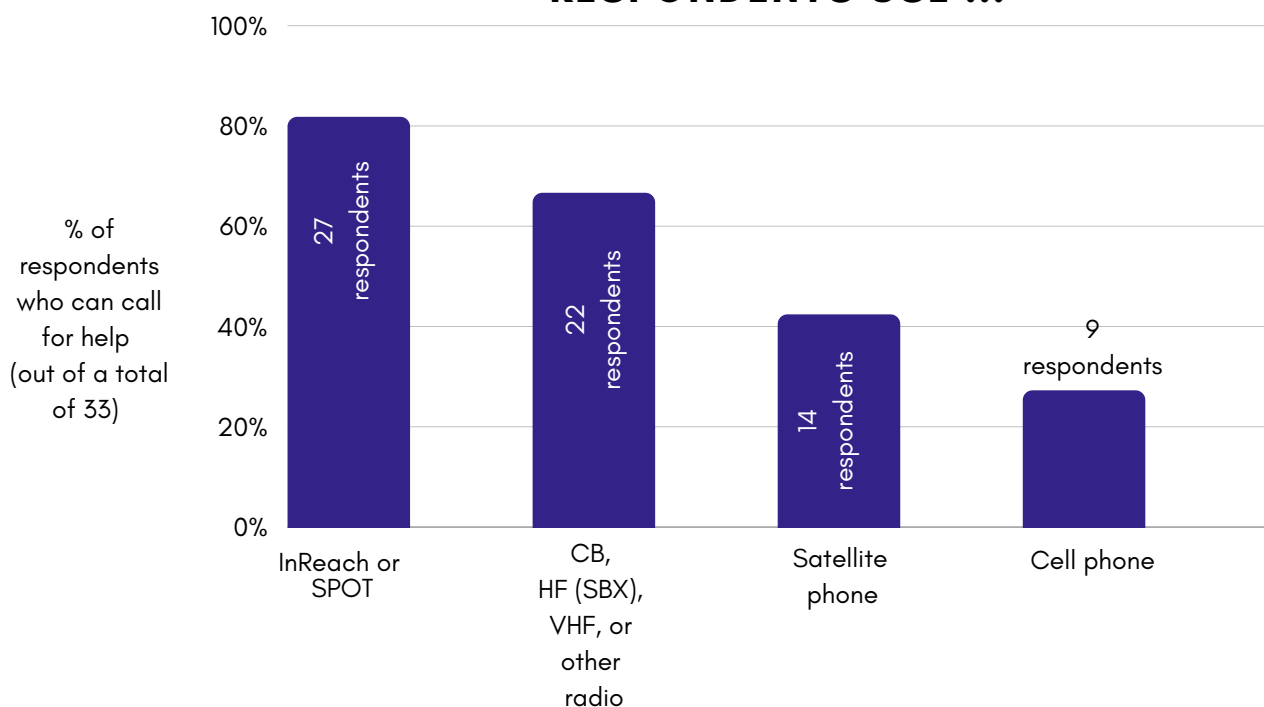


If Uqsuqtuurmiut participants get stranded or have an accident on the land, 81% (out of a total of 41) can call for help.

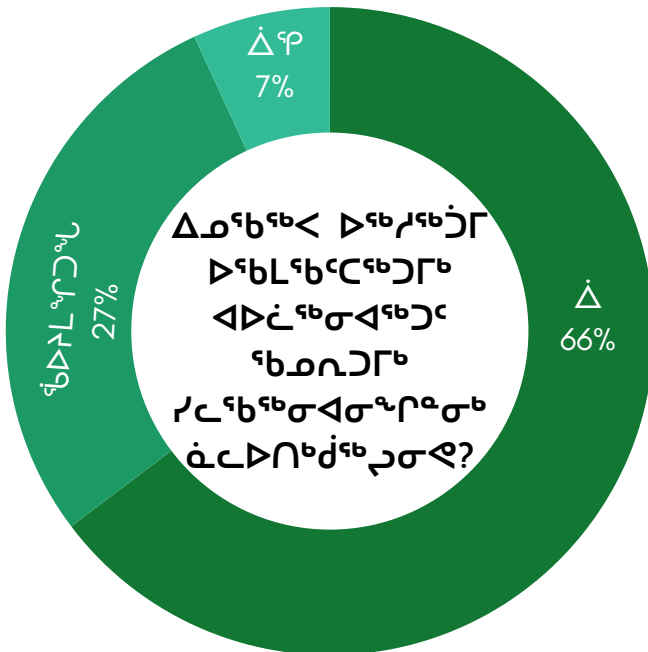
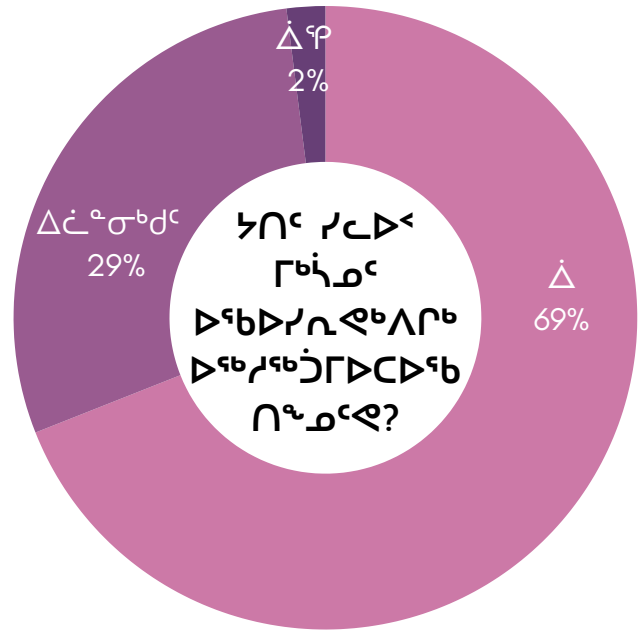
Of the 33 respondents who can call for help, most would call a **family member** (94%), or **local search and rescue** (67%), or a **friend** (55%) for help. Respondents would also call **Hunters and Trappers Association** (24%), **Canadian Rangers** (15%), and **Nunavut Emergency Management** (12%), or a friend or family member who is **ready and waiting for a call** (3%).

Of the respondents who can call for help, most use **inReach or SPOT devices** (82%), or **short-wave radios** (CB, HF (SBX), VHF) (67%). They also use **satellite phones** (42%), and **cell phones** (27%). SPOT devices and satellite phones can be borrowed from Search and Rescue.

TO CALL FOR HELP UQSUQTUURMIUT RESPONDENTS USE ...

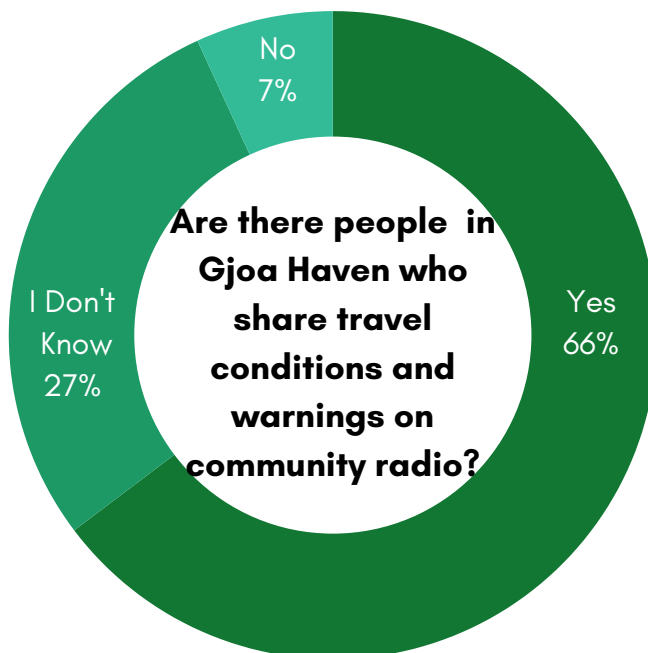
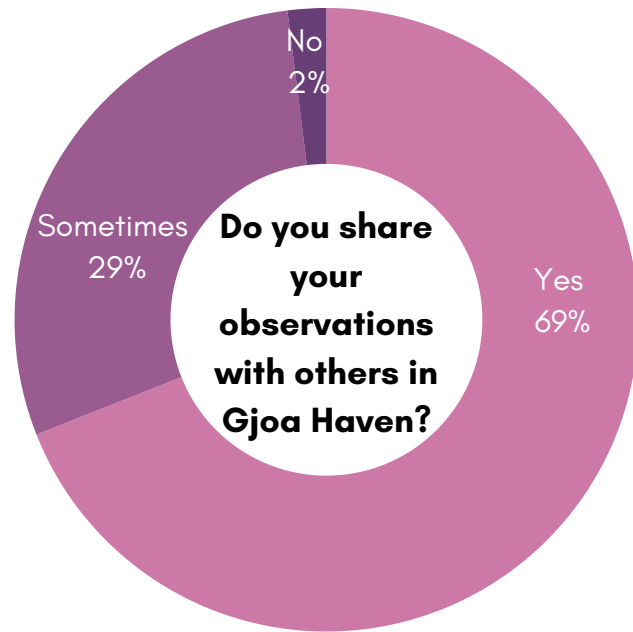


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SHARING OBSERVATIONS OF WEATHER, WATER, ICE, OR SNOW CONDITIONS WITH OTHERS IN GJOA HAVEN

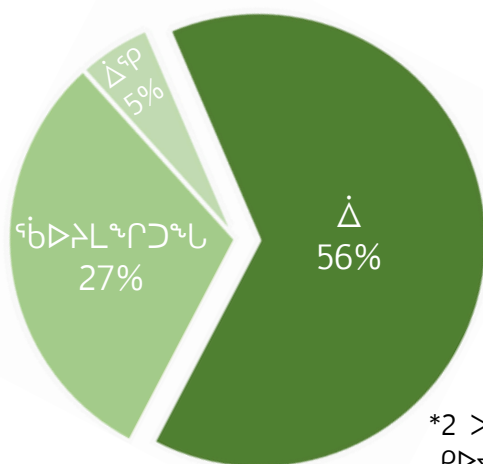
Many (98%) participants share their observations of weather, water, ice, or snow conditions with others in Gjoa Haven.



Many (66%) participants said there are people regularly going on community radio in Gjoa Haven, or CB/HF(SBX)/VHF radio, to share warnings or provide advice about weather, water, or ice conditions. A few (27%) participants did not know if people regularly go on community radio in Gjoa Haven, or CB/HF(SBX)/VHF radio, to share warnings or provide advice about weather, water, or ice conditions.

ከበኝኛ ስልጣናትና ስልጣን ለሰጠው ሰጠው ሰጠው ለሰጠው ሰጠው ሰጠው

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*2 ስልጣን ሰጠው

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 ለሰጠው ሰጠው ሰጠው

39%

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 ለሰጠው ሰጠው ሰጠው

22%

ለሰጠው ሰጠው ሰጠው

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 (23 ስልጣን) ለሰጠው ሰጠው ሰጠው ለሰጠው ሰጠው ሰጠው ለሰጠው ሰጠው ሰጠው
 ለሰጠው ሰጠው ሰጠው (39 ስልጣን) ለሰጠው ሰጠው ሰጠው ለሰጠው ሰጠው ሰጠው
 (22 ስልጣን) ለሰጠው ሰጠው ሰጠው ለሰጠው ሰጠው ሰጠው ሰጠው ሰጠው ሰጠው

ለሰጠው ሰጠው ሰጠው ለሰጠው ሰጠው ሰጠው

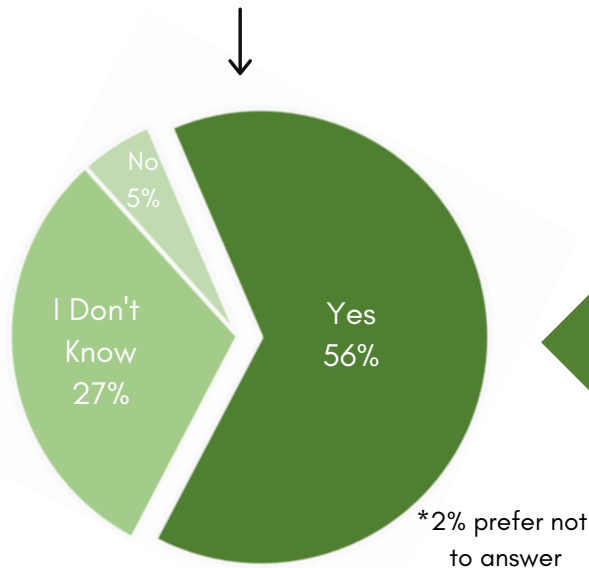
- ለሰጠው ሰጠው
- ለሰጠው ሰጠው ሰጠው (ሰጠው ሰጠው)
- ለሰጠው ሰጠው ሰጠው
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- ሰጠው ሰጠው
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GATHERING TO TALK ABOUT TRAVEL CONDITIONS WITH OTHERS IN GJOA HAVEN

Are there places in Gjoa Haven where people tend to meet and talk about recent travel conditions?



Of the 23 respondents who answered "yes there are places"

39%

go to these places to listen or ask for advice

22%

go to share observations or advice

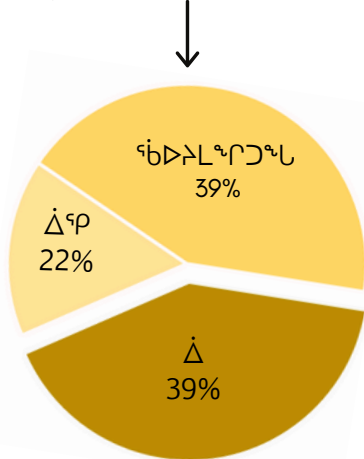
About half (56%) of the participants said there are places in Gjoa Haven where people tend to meet and talk about recent travel conditions, or weather, water, ice and other environmental conditions. Nearly one third (27%) of participants said they do not know if there are places. Of the 56% (23 participants) who said there are places where people meet, some go to those places to listen or ask for advice (39%), and some go to share observations or advice (22%).

PLACES UQSUQTUURMIUT GATHER TO TALK ABOUT TRAVEL CONDITIONS

- Community hall
- Hamlet Annual General Meeting (AGM)
- Hamlet office
- Hunters and Trappers Organization
- Kitikmeot Inuit Association
- On the land
- Search and Rescue boardroom
- Stores
- Tents and cabins
- Water Board
- Workplaces during coffee break



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ጥንታዊ ጥንታዊ ጥንታዊ ጥንታዊ
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CΔdα^aβ^c 16γδσ^c
ρ▷⊂▷^b⊃σ^c ◁^aπℓL↗Γ^b

14 (88%)

[illegible]

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 ၂၀၁၇-၁၈

[illegible]

△⁴ >⁶

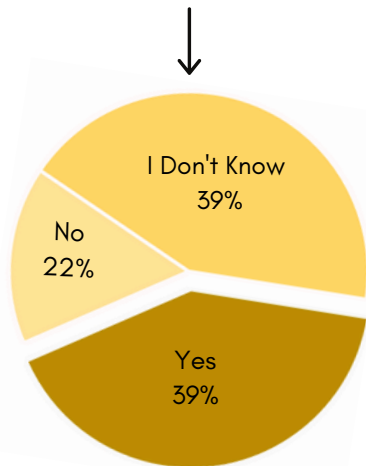
- ፈጣጥሮ
- ፈጣጥሮ ማመንጫ
- ጋህገረጽ ልዩነት
- ላይ ለሚገኝ ልዩነት ምሳሌ ለመስጠት
- ለፍጥነት ልዩነት - ጋህገረጽ ልዩነት
- ለፍጥነት ልዩነት ምሳሌ



- [illegible]

SOCIAL MEDIA UQSUQTUURMIUT USE TO SHARE TRAVEL CONDITIONS

Do Uqsuqtuurmiut use social media to talk
about travel conditions?



Of the 16 respondents
who said "yes"

14 (88%)

use the information
shared over social
media

There were 16 Uqsuqtuurmiut participants who identified being aware of social media pages or groups where people share observations or advice about weather, water, and ice conditions mentioned using Facebook.

It is important to note that some respondents have their own knowledge of the weather, water, ice, and snow conditions so they do not check social media for this information.

Commonly used social media

Facebook

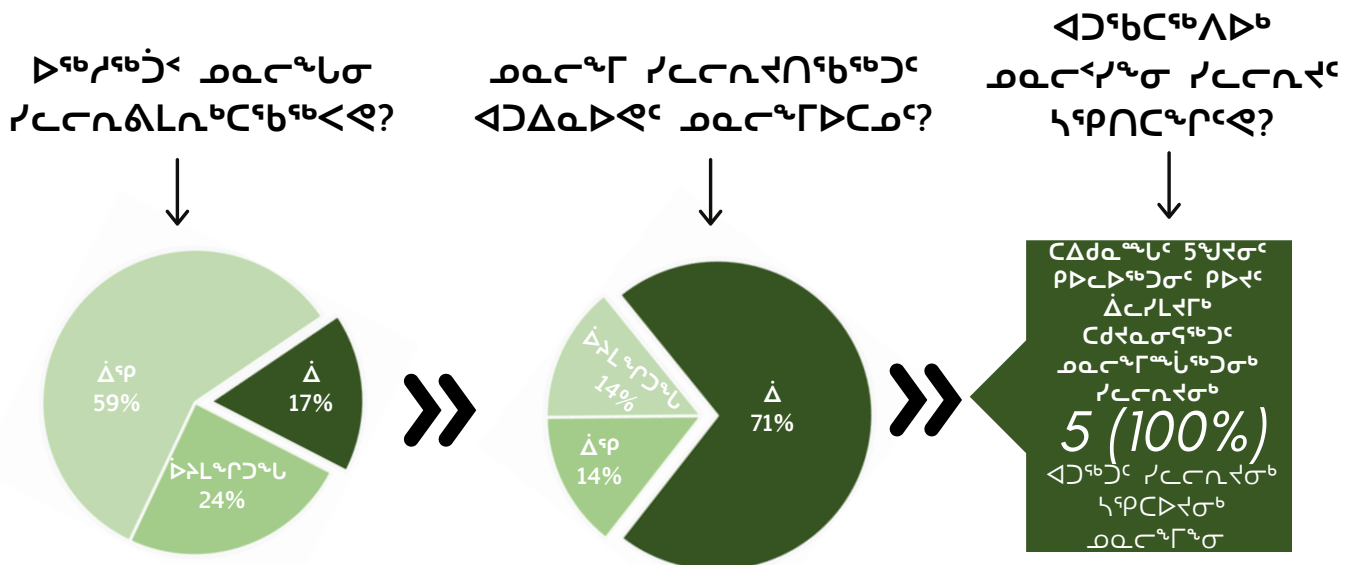
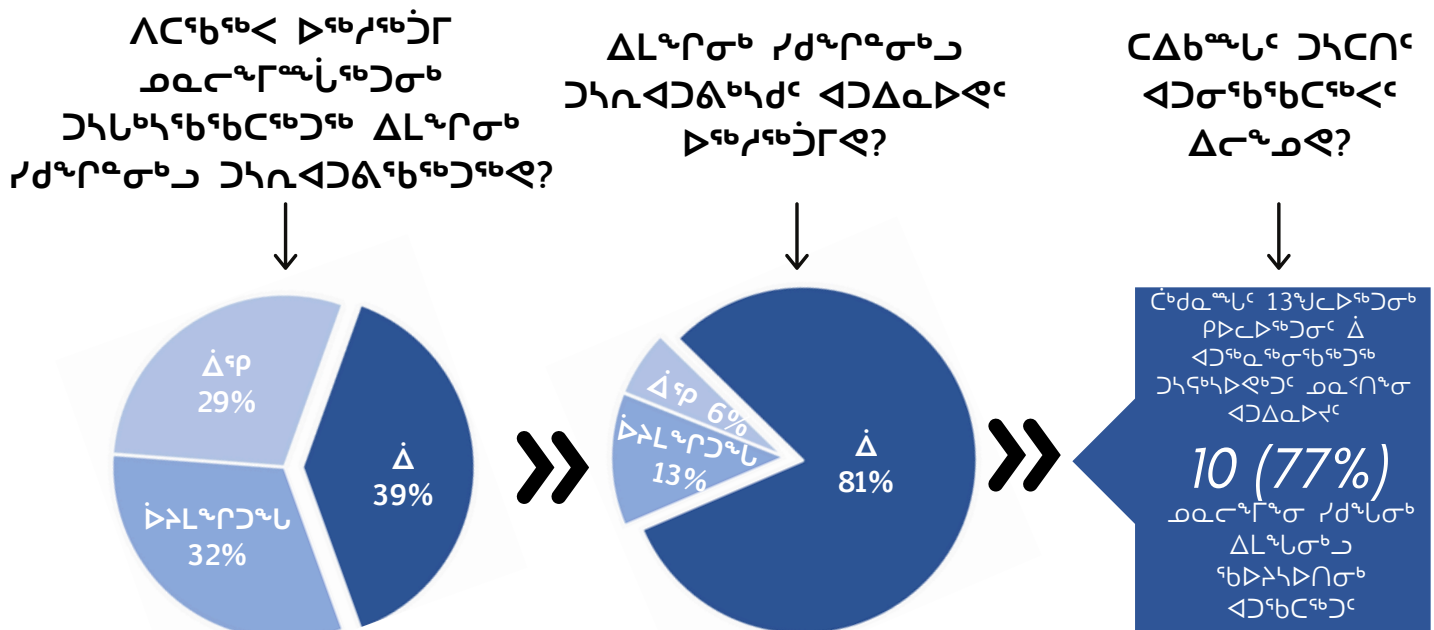
- Gjoa Haven (Uqshuuqtuq)
- Gjoa Haven Search and Rescue group
- Messenger groups
- Nunavut hunting stories of the day
- Airport employees - provide information
- Sell swap



Topics, descriptions, and photos include

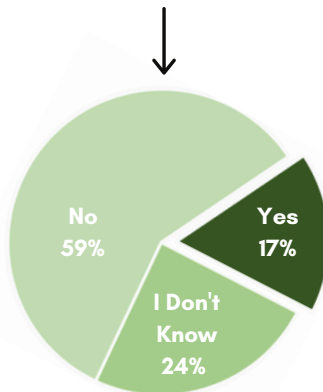
- Climate related
- Closures due to bad weather
- Community concerns or information
- Extreme weather warnings
- Hunting stories
- Areas of open water
- Sea ice, and other ice conditions
- Weather conditions
- Wildlife observations, wildlife near or around town
- Windy.com

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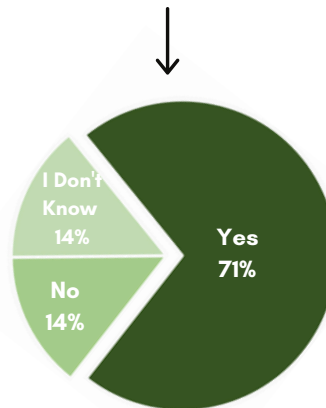
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COMMUNITY MONITORING PROGRAMS

Are there local weather stations in Gjoa Haven?



Is the local weather station information available to the community?



Do you use the local weather station information?

Of 5 respondents who answered "yes the info. is available to the community"

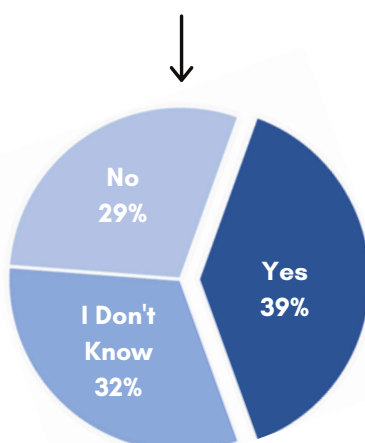
5 (100%)

use the local weather station

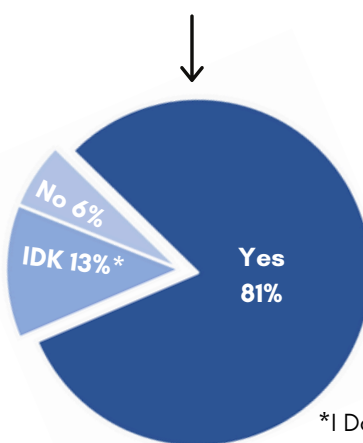
When asked about local weather stations, most (24) participants said that local weather stations do not exist, some (7) said they do exist, and 10 did not know if local weather stations exist.

Of the 5 participants who said there are local weather stations in Gjoa Haven, 5 of them said the weather station information is available in Gjoa Haven, and 5 of them said that they use the information.

Are there local water/ice monitoring programs in Gjoa Haven?



Is the water/ice monitoring information available to the community?



*I Don't Know

Do you use the local water/ice information?

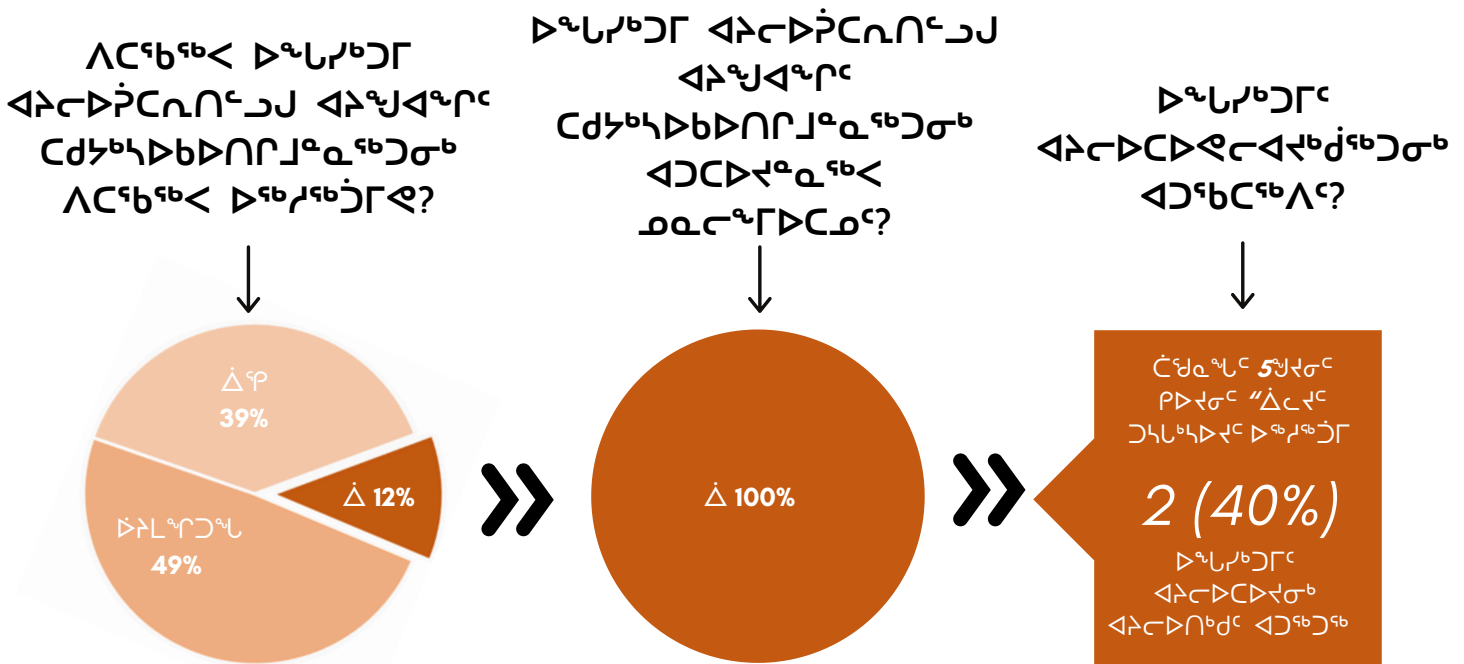
Of 13 respondents who answered "yes the info. is available to the community"

10 (77%)

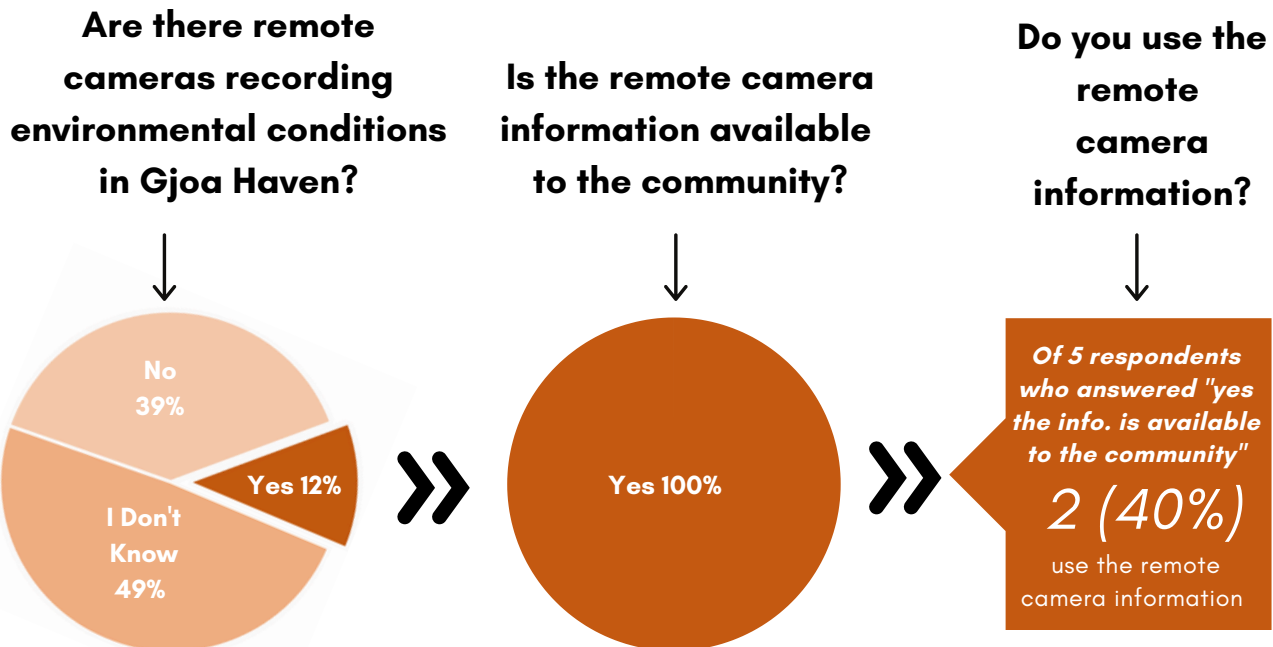
use the local water/ice information

When asked about local water and ice monitoring programs it is notable that 13 participants said that they do not know if there are local water and ice monitoring programs and 16 said that local water/ice programs do exist. Of these, 16 who said local water/ice programs do exist, 13 respondents said the information is available in Gjoa Haven, and 10 respondents said that they use the information.

ቃርብ ነጋሥት ገረግረጽ
(ገረግረጽ)

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COMMUNITY MONITORING PROGRAMS (CONTINUED)



Remote cameras are cameras placed in areas where a photographer cannot be at the camera to take photos. Remote cameras often have a self-timer built into the camera so photos can be taken at specific times. An example is a remote camera mounted somewhere near a floe edge, with a built-in timer that is set to take a photo at noon each day.

When asked about remote cameras, it is notable that 49% of participants said that they do not know if there are remote cameras and 51% said that remote cameras do or do not exist. Of the 5 participants who said there are remote cameras, 5 said the remote camera information is available in Gjoa Haven, and 2 of them said they use the remote camera information.

SmartICE and **Arctic Eider Society** are partners in this project, and through them we know there are local monitoring programs in Gjoa Haven, including SmartICE and SIKU. However, survey responses suggest that community members are not widely aware of these programs, or they did not associate them with the way the questions were asked in the survey.

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(ኔፕሎስ)

[illegible]

ዎደሮቹ ሥርዓቶች	ርዕሰ ጉዳዮች	ርዕሰ ጉዳዮች
ፍልጣት ሲገኝ ይደረግ ሥርዓታቸውን (CARS)	የጥያቄው ርዕሰ ጉዳዮች	ረዕሰ ጉዳዮች ይደረግ ረዕሰ ጉዳዮች ይደረግ
ፍታ 2	ወደ ጥያቄው ይደረግ	ለጥያቄው ሥርዓት

መደራጃ ልዩነት የሰጠው ህጋዊነት	ርዕሰ ጉዳይ	ርዕሰ ጉዳይ
የፖሊስ (ከፍተኛ ሰራተኛ)	ርዕሰ ጉዳይ	ልዩነት የሰጠው (የፖሊስ)
የሰራተኛ	ርዕሰ ጉዳይ	የሰራተኛ ልዩነት የሰጠው
የሰራተኛ ልዩነት የሰጠው (SmartICE)/SmartBUOY	የሰራተኛ ልዩነት የሰጠው (SmartICE). መደራጃ ልዩነት የሰጠው, ልዩነት ልዩነት, ልዩነት ልዩነት	ርዕሰ ጉዳይ ልዩነት የሰጠው, ልዩነት ልዩነት ልዩነት የሰጠው ልዩነት የሰጠው ልዩነት የሰጠው

COMMUNITY MONITORING PROGRAMS (CONTINUED)

Uqsuqtuurmiut identified several community-based monitoring programs that are run by a number of organizations. A wide range of conditions are monitored related to weather, and water/ice. No remote cameras were mentioned.

LOCAL WEATHER STATIONS	PROGRAM PROVIDER	WHAT IS MONITORED
Airport radio /Community Aerodrome Radio Station (CARS)	Gjoa Haven Hamlet	Wind, rain, clouds, storms, warnings
Camp 2	Canadian Rangers	Blizzards, rain

LOCAL WATER/ICE PROGRAMS	PROGRAM PROVIDER	WHAT IS MONITORED
Search and Rescue (SAR)	Hamlet	Water, ice (during searches)
SIKU	Hamlet	Ice thickness, roughness
SmartICE/SmartBUOY	SIKU SmartICE Community Leanne Beaulieu, Amber Eleehtook, Trevor Bell, Zack Coombs, William Aglukkaq	Sea ice thickness, ocean, snow depth, temperature, currents, water conditions

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ፖሊሽያን ምዕራባዊ ሊግ ጋራ

- ሥርጽሲብ ነፃሲርዕይ
- ፍርድጽጽ ሲሆን
- ሲሆንም ሥርጽሲብ፣ ሌላውም ሲሆን (www.weather.gc.ca)
- ሆኖ
- ወደፍጽ ሲሆን
- ለር በሆኖ
- ነፃሲብ
- ሥራው
- በሌላው ሥርጽሲብ
- ለወደፍጽ (www.windy.com)

$C_{n \geq 1} \sigma^{\epsilon} \Delta^C \bar{L}^{\epsilon} \sigma^{\epsilon} \sigma^b \supset \sigma^{\epsilon} \sigma^b \sigma^{\epsilon} \sigma^b$
 $\Delta^C \bar{L}^{\epsilon} \sigma^{\epsilon} \sigma^b$

- ᐅᓂᑦᑕᑦ ᐱᓄᐸᑦᑕᑦ ᑕᑎᐃᓗᑦ ᑭᑕᑕᑦᑕᑦ
(https://weather.gc.ca/marine/index_e.html)
- ᑭᐃᐃᑦ
- ᐱᓂᑦᑕᑦ (www.windy.com)

PRODUCTS AND ACCESSING ENVIRONMENTAL FORECASTS

Along with community sources of information to decide if it is safe to travel, Uqsuqtuurmiut respondents use a wide range of weather and marine forecasts available. There may be other information sources available beyond those mentioned by respondents.

WEATHER FORECAST PRODUCTS USED

- Accuweather app
- Airport radio
- Environment Canada, Government of Canada (www.weather.gc.ca)
- Google
- Local radio
- Peter de Groot
- Search and Rescue
- SIKU
- The Weather Channel
- Windy (www.windy.com)

MARINE FORECAST PRODUCTS USED

- Environment Canada Marine Forecast (https://weather.gc.ca/marine/index_e.html)
- SIKU
- Windy (www.windy.com)

[illegible][illegible]

ᠢᠫᠤᠨ ᠰᠡᠭᠦᠳᠦ ᠶ᠋ᠣᠵᠤ ᠲᠥᠪᠴᠢᠷᠦ

- ሪፖርት ላይ የተዘረዘሩት ስራዎችን ለማረጋገጥ (<https://www.canada.ca/en/environment-climate-change/services/ice-forecasts-observations/latest-conditions.html>)
- ጋራ ጋራ ስራዎችን ማረጋገጥ
- ስራዎችን ለማረጋገጥ (www.siku.org)
- ስራዎችን ለማረጋገጥ (SmartICE)

$C_n \triangleright^c \Pi \sigma^a \sigma^b \Gamma^a \sigma^b \subset d \triangleright \Pi^c \Pi^c$

- ᐃᓄᕈᑦᐅᓂ
- ᐃᓄᓴᑦ
- ᓯᐃ (www.siku.org)
- ᐃᐅᓴᐅᑦᐅᕈ ᐅᓄᓄᓄᑦ (www.windy.com)

[illegible]

- ንቲ-ብካ ሙሚባብ (offline GPS navigation app)
- ቦታታታታታ
- ገጽ ምዕራባዊ ገጽ ምዕራባዊ ሙሚባብ ንክገኙ
- ናዎታታታ
- ምዕራባዊ ንክገኙ (www.siku.org)
- ምዕራባዊ (www.windy.com)
- ንቲ ምዕራባዊ (www.zoom.earth)

PRODUCTS AND ACCESSING ENVIRONMENTAL FORECASTS (CONTINUED)

Along with community sources of information to decide if it is safe to travel, Uqsuqtuurmiut respondents use a wide range of ice charts/services, tide table products, and satellite image products.

ICE CHARTS/SERVICES USED

- Ice charts from Environment Canada (<https://www.canada.ca/en/environment-climate-change/services/ice-forecasts-observations/latest-conditions.html>)
- Google, Google maps
- SIKU app, SIKU (www.siku.org)
- SmartICE

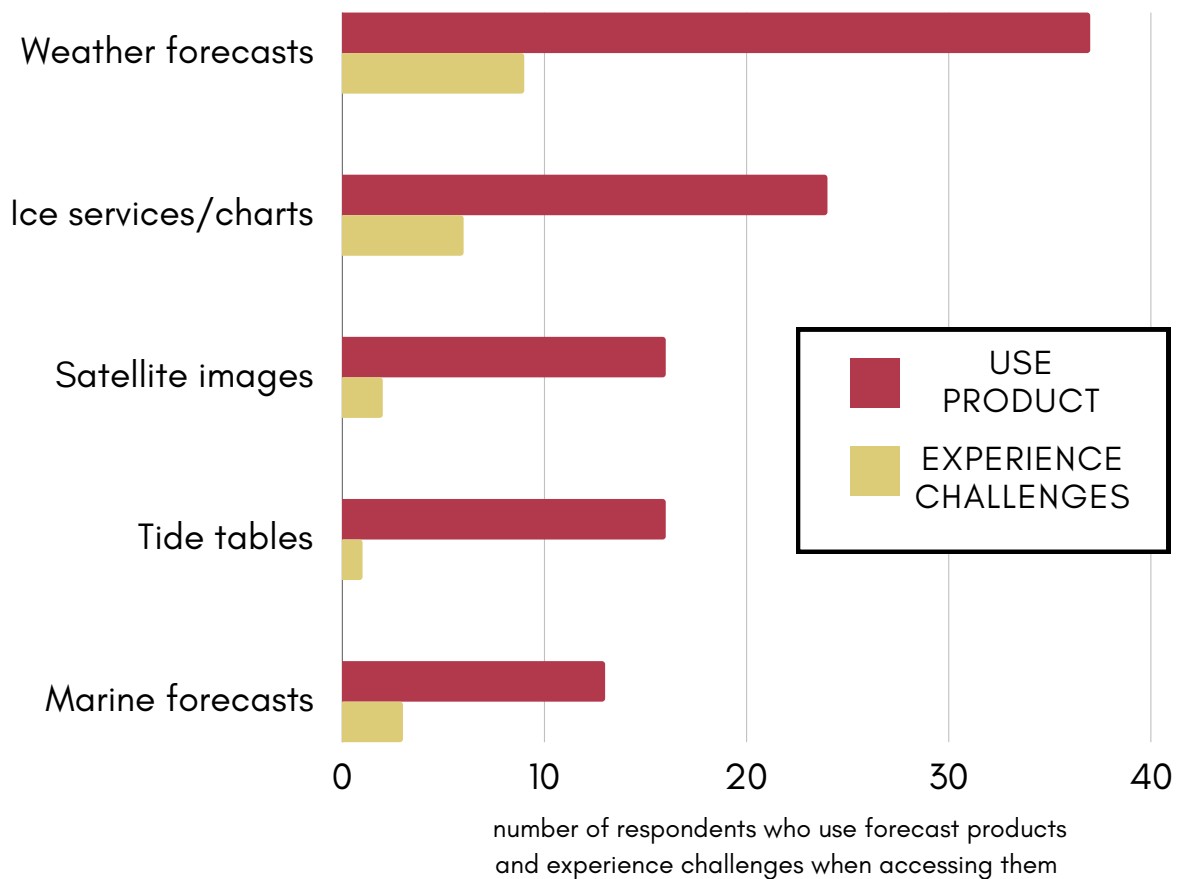
TIDE TABLE PRODUCTS USED

- Hunters and Trappers Association
- inReach
- SIKU (www.siku.org)
- Windy tide forecast (www.windy.com)

SATELLITE IMAGE PRODUCTS USED

- Geniusmap (offline GPS navigation app)
- GIS
- Google Earth, Google maps
- Search and rescue
- SIKU website (www.siku.org)
- Windy (www.windy.com)
- Zoom Earth (www.zoom.earth)

PRODUCTS AND ACCESSING ENVIRONMENTAL FORECASTS (CONTINUED)

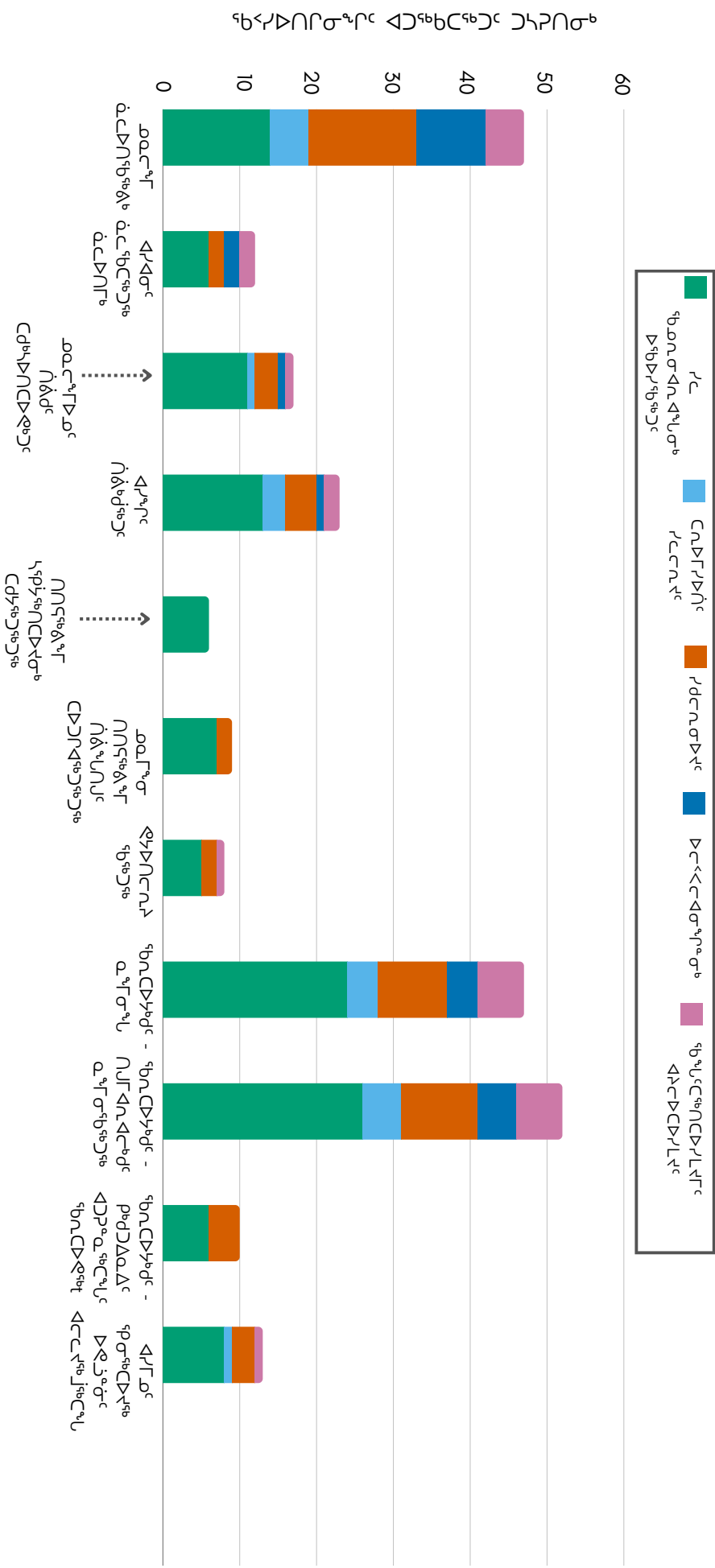


Of the forecasting products used, respondents most often rely on weather forecasts, followed by ice services/charts, and the other services are less often used.

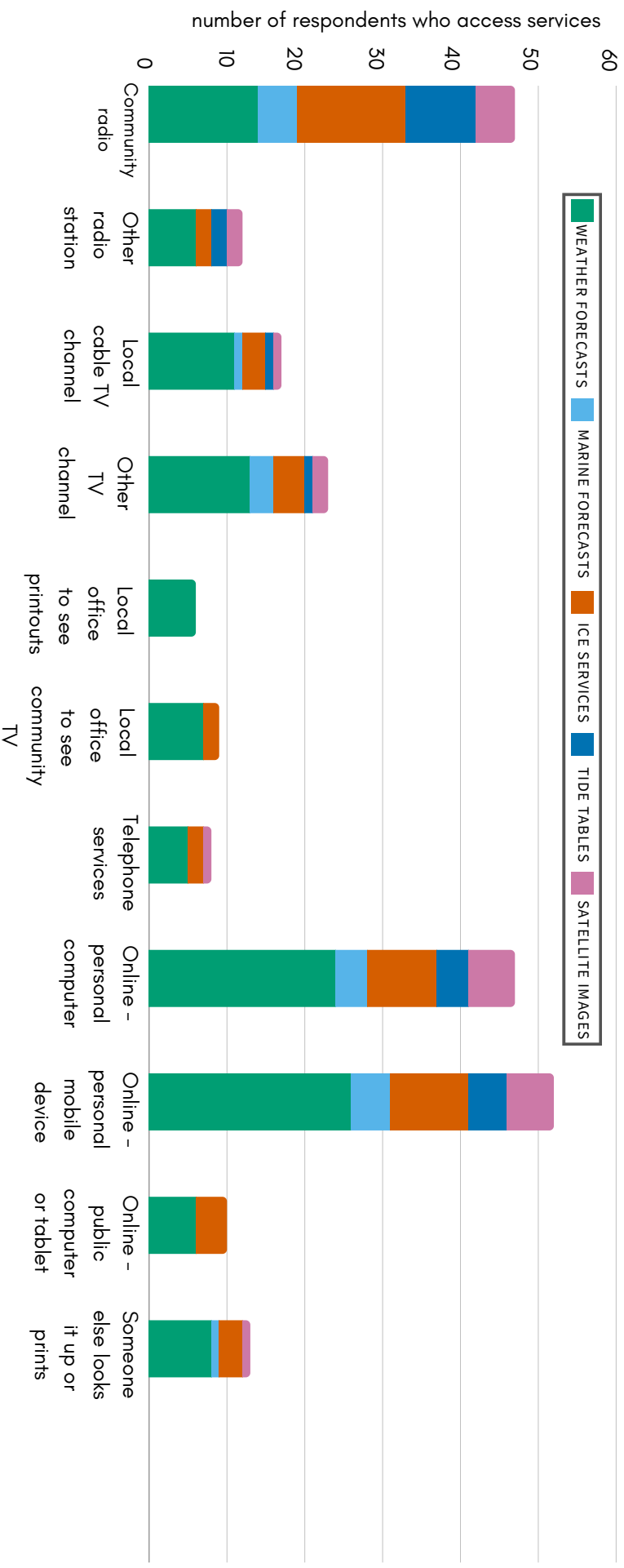
Of the 90% of participants who use **weather forecasts**, 24% experience challenges when accessing them. Ice services are used by 59% of participants and of these, 25% experience challenges when accessing them. Satellite images are used by 39% of participants, 13% of whom experience challenges when accessing them. **Tide tables** are used by 39% of participants and of these, 6% experience challenges.

Of the 32% of participants who use **marine forecasts**, 23% experience challenges when accessing them.

$\mathfrak{g}^{\mathfrak{p}} \cup \Delta \mathfrak{b} \cup \mathfrak{z} \vee \quad \mathfrak{I} \mathfrak{C} \mathfrak{q}^{\mathfrak{b}} \mathfrak{C} \Delta \mathfrak{p} \Delta \quad \mathfrak{C} \mathfrak{J} \mathfrak{r}^{\mathfrak{b}} \Delta \mathfrak{u} \mathfrak{p} \mathfrak{z} \mathfrak{C} \Delta$
 $\mathfrak{z} \mathfrak{C} \mathfrak{q}^{\mathfrak{b}} \Delta \mathfrak{C} \Delta \mathfrak{p} \quad \mathfrak{z} \Delta \mathfrak{I} \mathfrak{b} \mathfrak{C} \mathfrak{q}^{\mathfrak{b}} \mathfrak{I}^{\mathfrak{c}} \mathfrak{q}^{\mathfrak{b}} \Delta \quad \mathfrak{q} \mathfrak{U} \mathfrak{C}^{\mathfrak{z}} \mathfrak{q}^{\mathfrak{b}} \Delta \mathfrak{I}^{\mathfrak{c}} \mathfrak{u} \mathfrak{p} \mathfrak{q}^{\mathfrak{b}}$

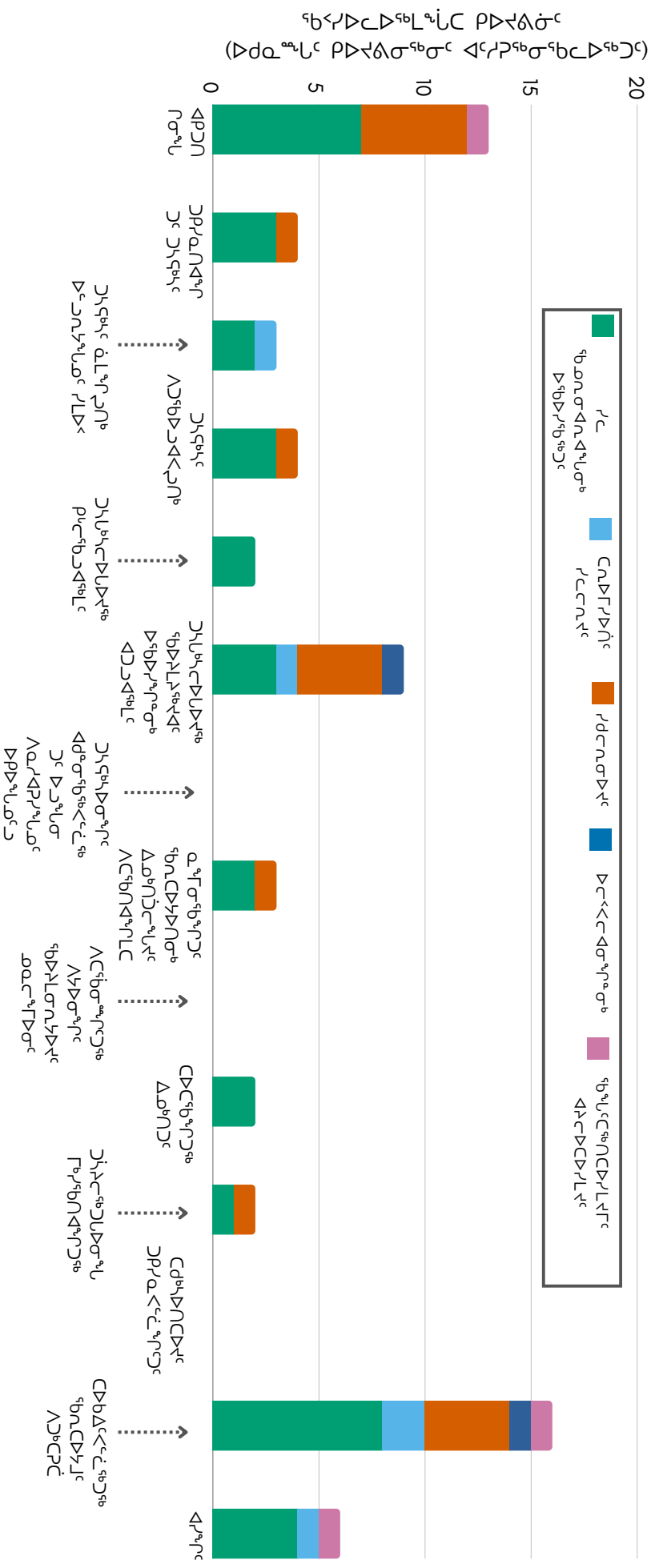
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WAYS THAT UQSUTURMIUT RESPONDENTS ACCESS POLAR SERVICES



Uqsuturmiut respondents access environmental forecast products in a range of ways, and mostly by going online using a personal mobile device or personal computer, or listening to community radio.

Երկրորդ հարցը կապված է Երևանի քաղաքի և
 Երևանի մարզի միջև գոյություն ունեցող
 տարբերությունների հետ: Մենք հարցազրույց
 արեցինք Երևանի մարզի քաղաքապետի
 տեղակալի հետ: Մենք հարցազրույց արեցինք
 Երևանի քաղաքապետի տեղակալի հետ:

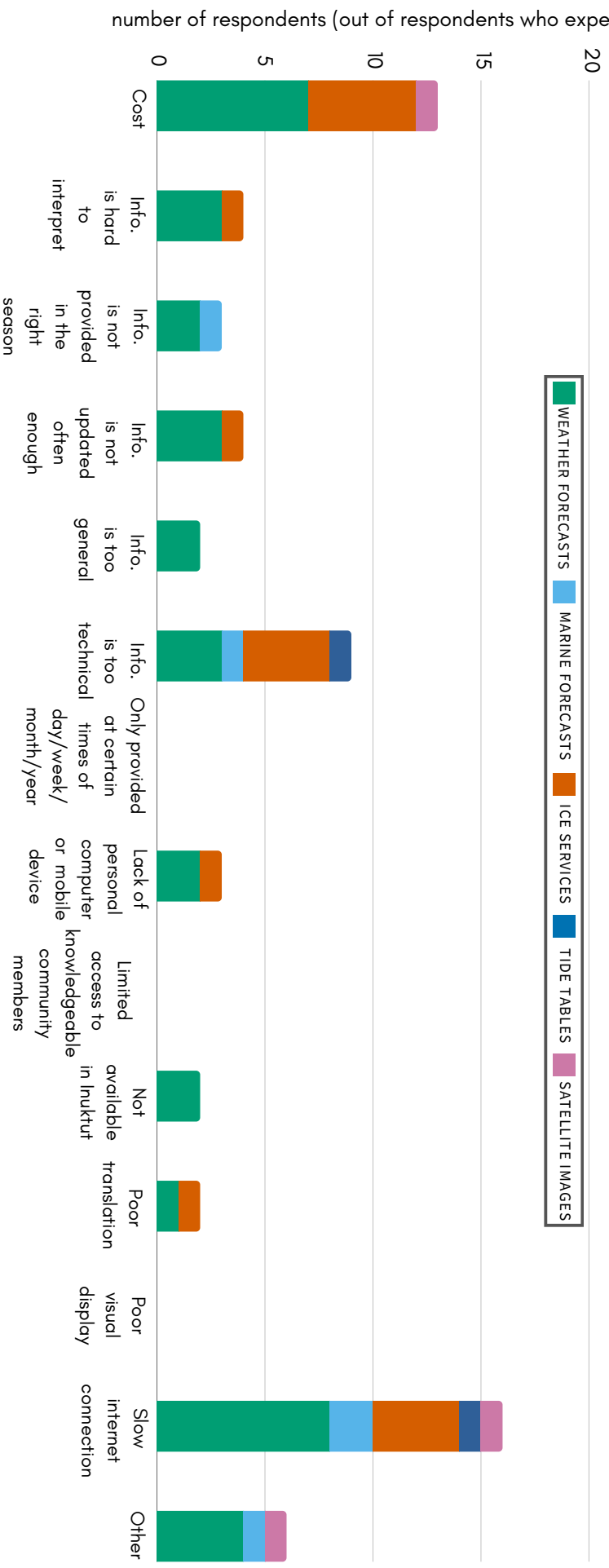
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- [illegible]

• $\Delta \langle \epsilon \rangle = \frac{1}{2} \Delta \langle \epsilon^2 \rangle$ (Gaussian approximation)

1. 2019-2020 2021-2022 2023-2024 2025-2026 2027-2028 2029-2030 2031-2032 2033-2034 2035-2036 2037-2038 2039-2040 2041-2042 2043-2044 2045-2046 2047-2048 2049-2050 2051-2052 2053-2054 2055-2056 2057-2058 2059-2060 2061-2062 2063-2064 2065-2066 2067-2068 2069-2070 2071-2072 2073-2074 2075-2076 2077-2078 2079-2080 2081-2082 2083-2084 2085-2086 2087-2088 2089-2090 2091-2092 2093-2094 2095-2096 2097-2098 2099-2100 2101-2102 2103-2104 2105-2106 2107-2108 2109-2110 2111-2112 2113-2114 2115-2116 2117-2118 2119-2120 2121-2122 2123-2124 2125-2126 2127-2128 2129-2130 2131-2132 2133-2134 2135-2136 2137-2138 2139-2140 2141-2142 2143-2144 2145-2146 2147-2148 2149-2150 2151-2152 2153-2154 2155-2156 2157-2158 2159-2160 2161-2162 2163-2164 2165-2166 2167-2168 2169-2170 2171-2172 2173-2174 2175-2176 2177-2178 2179-2180 2181-2182 2183-2184 2185-2186 2187-2188 2189-2190 2191-2192 2193-2194 2195-2196 2197-2198 2199-2200 2201-2202 2203-2204 2205-2206 2207-2208 2209-2210 2211-2212 2213-2214 2215-2216 2217-2218 2219-2220 2221-2222 2223-2224 2225-2226 2227-2228 2229-2230 2231-2232 2233-2234 2235-2236 2237-2238 2239-2240 2241-2242 2243-2244 2245-2246 2247-2248 2249-2250 2251-2252 2253-2254 2255-2256 2257-2258 2259-2260 2261-2262 2263-2264 2265-2266 2267-2268 2269-2270 2271-2272 2273-2274 2275-2276 2277-2278 2279-2280 2281-2282 2283-2284 2285-2286 2287-2288 2289-2290 2291-2292 2293-2294 2295-2296 2297-2298 2299-2300 2301-2302 2303-2304 2305-2306 2307-2308 2309-2310 2311-2312 2313-2314 2315-2316 2317-2318 2319-2320 2321-2322 2323-2324 2325-2326 2327-2328 2329-2330 2331-2332 2333-2334 2335-2336 2337-2338 2339-2340 2341-2342 2343-2344 2345-2346 2347-2348 2349-2350 2351-2352 2353-2354 2355-2356 2357-2358 2359-2360 2361-2362 2363-2364 2365-2366 2367-2368 2369-2370 2371-2372 2373-2374 2375-2376 2377-2378 2379-2380 2381-2382 2383-2384 2385-2386 2387-2388 2389-2390 2391-2392 2393-2394 2395-2396 2397-2398 2399-2400 2401-2402 2403-2404 2405-2406 2407-2408 2409-2410 2411-2412 2413-2414 2415-2416 2417-2418 2419-2420 2421-2422 2423-2424 2425-2426 2427-2428 2429-2430 2431-2432 2433-2434 2435-2436 2437-2438 2439-2440 2441-2442 2443-2444 2445-2446 2447-2448 2449-2450 2451-2452 2453-2454 2455-2456 2457-2458 2459-2460 2461-2462 2463-2464 2465-2466 2467-2468 2469-2470 2471-2472 2473-2474 2475-2476 2477-2478 2479-2480 2481-2482 2483-2484 2485-2486 2487-2488 2489-2490 2491-2492 2493-2494 2495-2496 2497-2498 2499-2500 2501-2502 2503-2504 2505-2506 2507-2508 2509-2510 2511-2512 2513-2514 2515-2516 2517-2518 2519-2520 2521-2522 2523-2524 2525-2526 2527-2528 2529-2530 2531-2532 2533-2534 2535-2536 2537-2538 2539-2540 2541-2542 2543-2544 2545-2546 2547-2548 2549-2550 2551-2552 2553-2554 2555-2556 2557-2558 2559-2560 2561-2562 2563-2564 2565-2566 2567-2568 2569-2570 2571-2572 2573-2574 2575-2576 2577-2578 2579-2580 2581-2582 2583-2584 2585-2586 2587-2588 2589-2590 2591-2592 2593-2594 2595-2596 2597-2598 2599-2600 2601-2602 2603-2604 2605-2606 2607-2608 2609-2610 2611-2612 2613-2614 2615-2616 2617-2618 2619-2620 2621-2622 2623-2624 2625-2626 2627-2628 2629-2630 2631-2632 2633-2634 2635-2636 2637-2638 2639-2640 2641-2642 2643-2644 2645-2646 2647-2648 2649-2650 2651-2652 2653-2654 2655-2656 2657-2658 2659-2660 2661-2662 2663-2664 2665-2666 2667-2668 2669-2670 2671-2672 2673-2674 2675-2676 2677-2678 2679-2680 2681-2682 2683-2684 2685-2686 2687-2688 2689-2690 2691-2692 2693-2694 2695-2696 2697-2698 2699-2700 2701-2702 2703-2704 2705-2706 2707-2708 2709-2710 2711-2712 2713-2714 2715-2716 2717-2718 2719-2720 2721-2722 2723-2724 2725-2726 2727-2728 2729-2730 2731-2732 2733-2734 2735-2736 2737-2738 2739-2740 2741-2742 2743-2744 2745-2746 2747-2748 2749-2750 2751-2752 2753-2754 2755-2756 2757-2758 2759-2760 2761-2762 2763-2764 2765-2766 2767-2768 2769-2770 2771-2772 2773-2774 2775-2776 2777-2778 2779-2780 2781-2782 2783-2784 2785-2786 2787-2788 2789-2790 2791-2792 2793-2794 2795-2796 2797-2798 2799-2800 2801-2802 2803-2804 2805-2806 2807-2808 2809-2810 2811-2812 2813-2814 2815-2816 2817-2818 2819-2820 2821-2822 2823-2824 2825-2826 2827-2828 2829-2830 2831-2832 2833-2834 2835-283

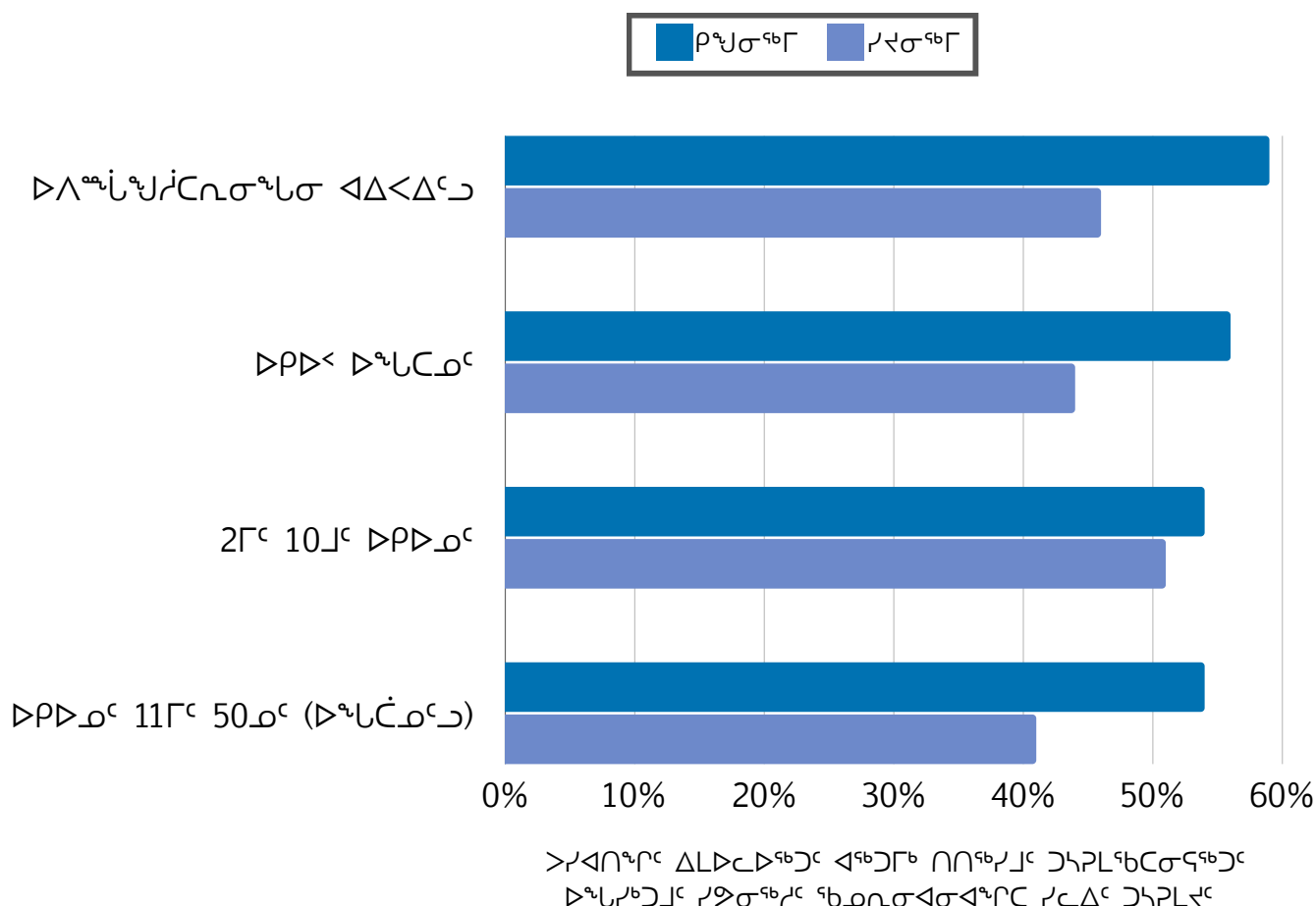
REASONS WHY ENVIRONMENTAL FORECASTING INFORMATION IS DIFFICULT FOR UQSUTURMIUT RESPONDENTS TO ACCESS



Uqsuturmiut respondents identified a number of reasons why information is difficult to access. To summarize the main challenges:

- **Cost** creates a challenge for accessing weather forecasts, ice services, and satellite images.
 - **Information that is too technical** creates a challenge for accessing weather forecasts, marine forecasts, tide tables, and in particular, ice services.
 - **Slow internet connection** creates a challenge for accessing all online products.
- These results do not necessarily mean that there are no challenges in other areas.

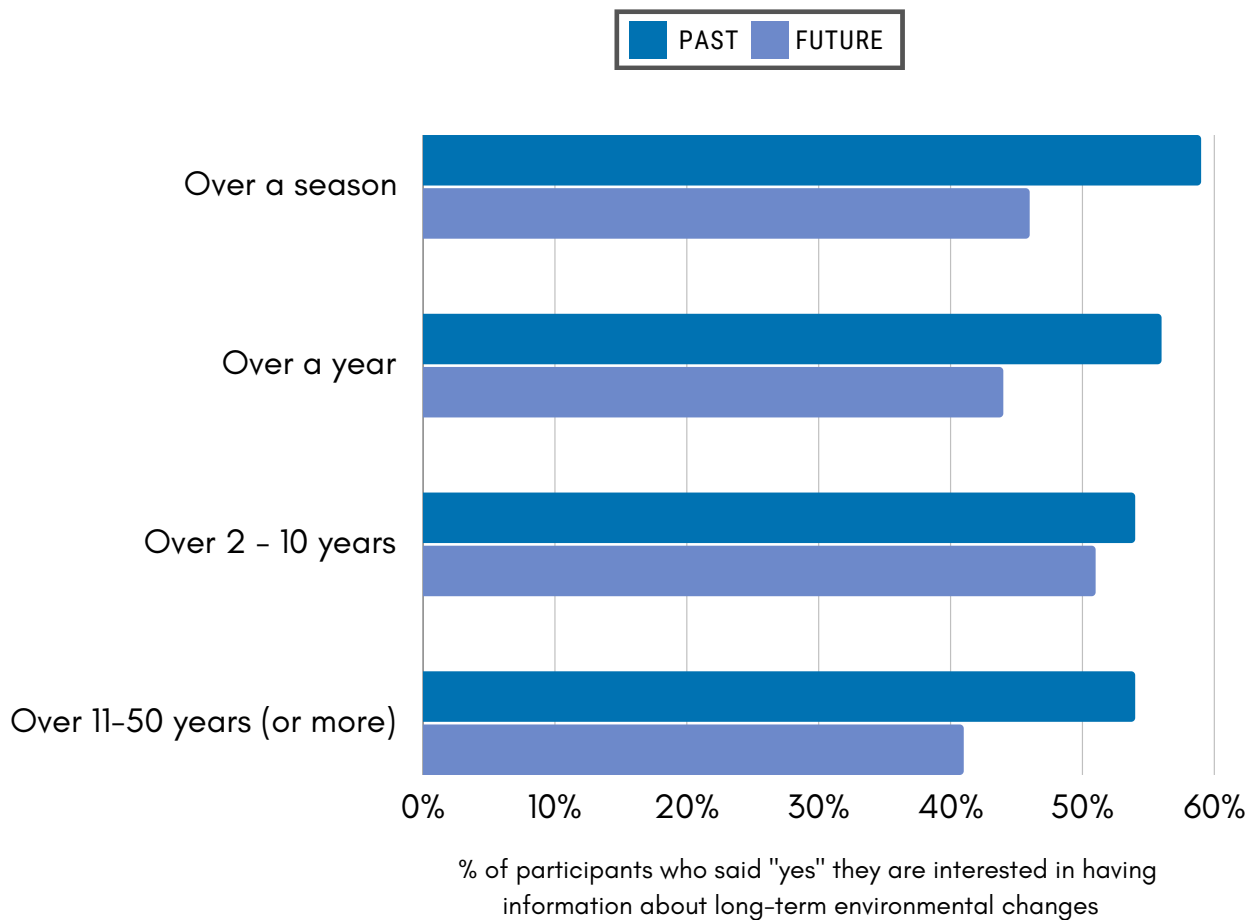
2017-2018 ዓ.ም. የኢትዮጵያ ፌዴራላዊ ዲሞክራሲያዊ ሪፐብሊክ የፍትሕ ሚኒስቴር የሰላም ጥያቄ ማስፈጸሚያ ሪፖርት



ለፍትሕ ሚኒስቴር ለሰላም ጥያቄውን ማስፈጸም አስፈላጊ ነው ማለት ነው፡፡ ለሰላም ጥያቄውን ማስፈጸም አስቸኳይ ነው ማለት ነው፡፡ ለሰላም ጥያቄውን ማስፈጸም 2017-2018 ዓ.ም. የሰላም ጥያቄውን ማስፈጸም 11ኛው 50ኛው (የሰላም ጥያቄው) ማስፈጸም አስፈላጊ ነው ማለት ነው፡፡

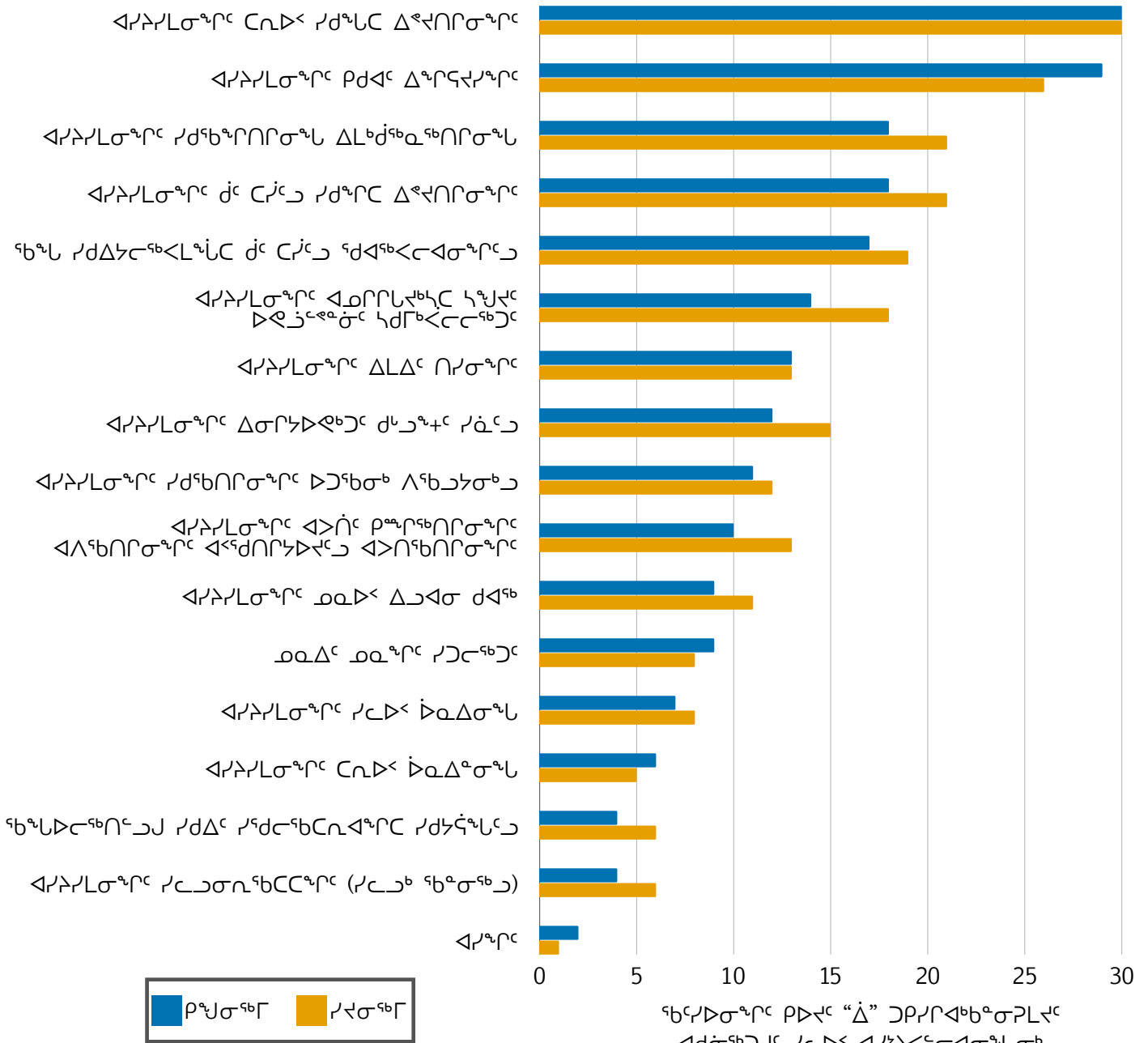
የሰላም ጥያቄውን ማስፈጸም አስፈላጊ ነው ማለት ነው፡፡ የሰላም ጥያቄውን ማስፈጸም አስቸኳይ ነው ማለት ነው፡፡ የሰላም ጥያቄውን ማስፈጸም 2017-2018 ዓ.ም. የሰላም ጥያቄውን ማስፈጸም 11ኛው 50ኛው (የሰላም ጥያቄው) ማስፈጸም አስፈላጊ ነው ማለት ነው፡፡

INTEREST IN INFORMATION ABOUT PAST AND FUTURE ENVIRONMENTAL CHANGES



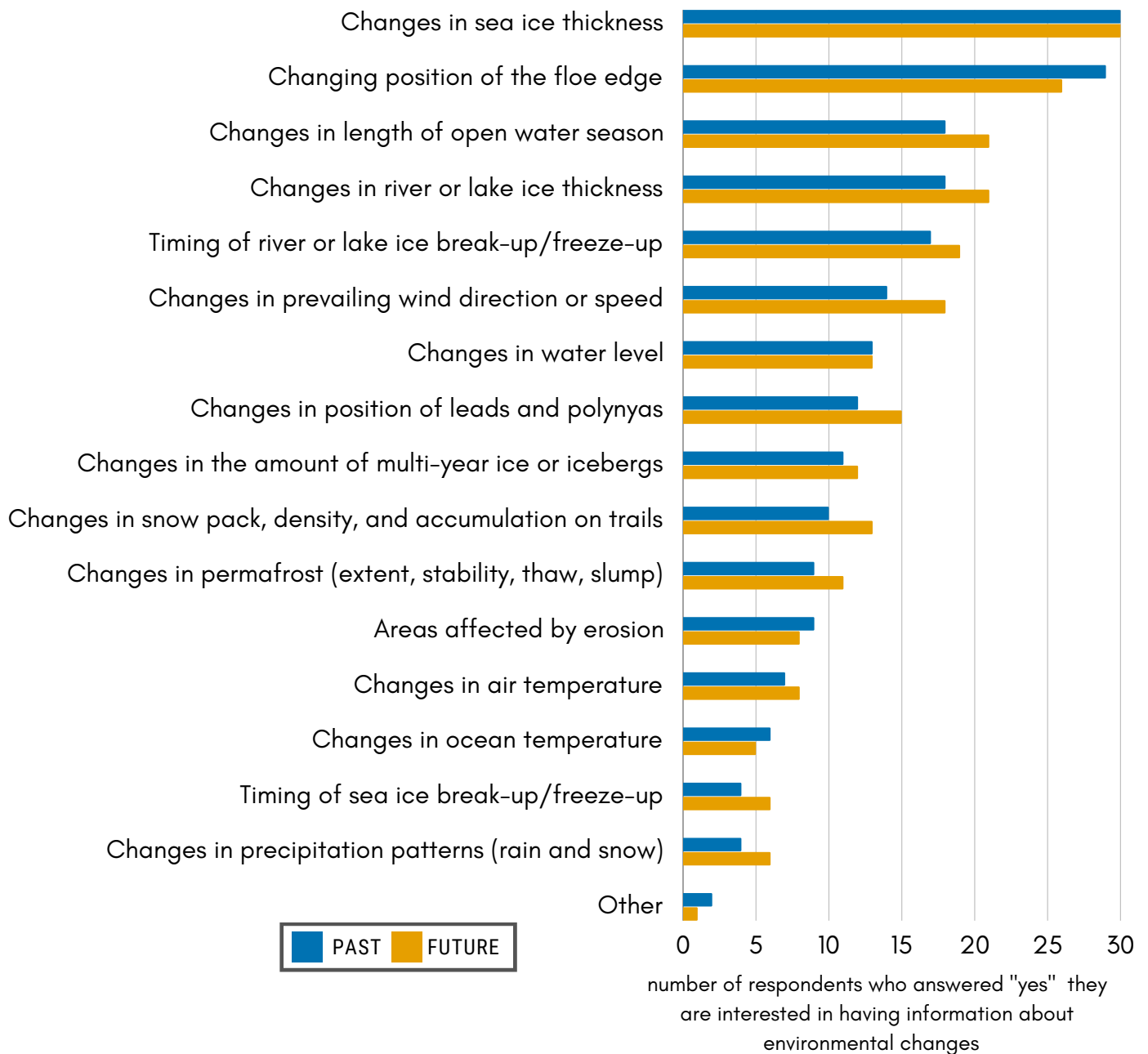
More participants are interested in information about past changes to weather, water or ice conditions (related to climate change) than are interested in forecasting or predictions.

Slightly more participants are interested in information about changes over the past season, than changes over the past year, 2-10 years, or 11-50 years or more.

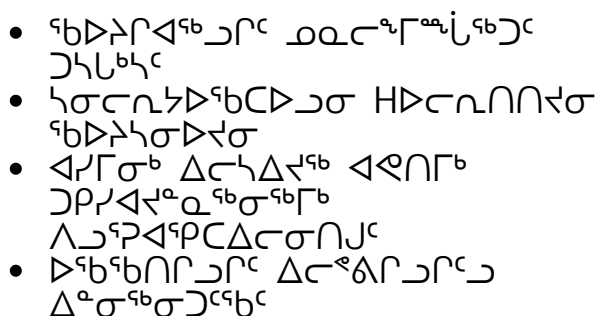
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INTEREST IN LONG-TERM ENVIRONMENTAL CHANGES

INFORMATION ABOUT PAST OR FUTURE CHANGES FOR MAKING DECISIONS



More respondents are interested in having information about past environmental changes than are interested in predictions of change. Common topics of interest included changes in sea ice thickness, and changes in position of the floe edge. Respondents who answered "Other" are interested in information about past changes related to erosion, animal populations, socio-economic impacts, as well as future mitigation due to climate change destruction of habitat.



INTEREST IN TRAINING

Respondents who said they were interested in receiving training on survival skills and navigating the land (28 participants), observing and understanding environmental conditions (25 participants), local environmental monitoring programs (27 participants), and accessing or using social media pages or groups (22 participants), were invited to describe the kinds of training they are interested in. Respondents were also asked to share about who they would like to learn from, and environmental conditions they would like to learn more about. The points below were organized by report writers to group them into similar topics.



Improving Navigation Skills

- Navigating on the land
- Navigating -
 - learn from Elders
 - learn from Nunavut Fisheries and Marine Training Consortium (NFMTC)



Developing Safety and Survival Skills

- First aid training
 - field and wilderness training
 - learn from certified instructors
- Ice safety, and on the land safety
- Search and rescue
- Survival skills -
 - navigational
 - on the land
 - that include young women
 - learn from Nunavut Emergency Services



Gaining Familiarity with Technology

- GPS
 - learn about co-ordinates
 - learn from conservation officer
- inReach
- Mapping
- Reading charts
- Reading ice conditions on government websites
- Satellite phones
- Tablets, note books
- Windy.com

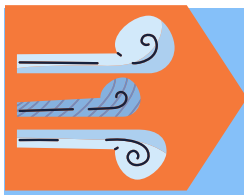


Connecting to Local Programs and Services

- Accessing local information
- Being a mentor for monitoring programs
- Teaching others how to read environment for safety
- Talk to/learn from Elders

INTEREST IN TRAINING

(CONTINUED)



Increasing Knowledge of Environmental Conditions

- About ice
 - ice conditions
 - how to identify (read) dangerous ice
- Increase opportunities for young women to learn -
 - about the environment and land
 - about weather conditions while out on the land
 - how to understand weather conditions without the weather forecast
- Learn about dangerous areas
- Observe and understand environmental conditions
- The land or ice
- Weather -
 - weather conditions
 - in all seasons



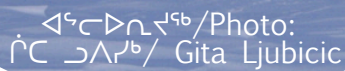
Strengthening Hunting and Inuit Cultural Practices and Skills

- Guide training
- How to work on Arctic animals
- Hunting, sewing
- On the land training
- Practice hunting caribou
- Tying grub
- Tying ropes
- Traditional knowledge
 - of the land
 - learn from Elders
 - forecasting weather



በቦላቢላቸው ስጋ: ነገሩ ልጅ
 Art work by: Jamesie Itulu

ᐅᑭᐱᑭᐅᑭᐅ, ᐃᐃᑭᑦ
Gjoa Haven, Nunavut



ጋዖርናር፡፡ ሙሉም ዕለታችንን በአካልና በእውነት
የሚያስተምሩና የሚመረጡ ምህንድስናዊ
Results of a community survey on environmental forecasting
uses and needs

ආරම්භක 2023
 DECEMBER 2023