



Mark Cliffe-Phillips
Executive Director
Mackenzie Valley Environmental Impact Review Board
200 Scotia Centre
P.O. Box 938
YELLOWKNIFE NT X1A 2N7

VIA EMAIL

Dear Mr. Cliffe-Phillips:

Government of the Northwest Territories' annual measures implementation report for the Tłı̨chǫ All-season Road Project (EA 1617-01, Measures 14-1 and 14-2)

On behalf of the Government of the Northwest Territories (GNWT), we are pleased to provide the attached Annual Report on implementation of Tłı̨chǫ All-season Road Project measures. The Annual Report describes the implementation of measures directed to the developer (Measure 14-1) and to the GNWT (Measure 14-2). Where the measures are directed to the developer, the Department of Infrastructure (INF) has provided the response; where the measures are directed to the GNWT or specific departments within the GNWT, departments with mandates related to the measure have provided the response.

The Mackenzie Valley Environmental Impact Review Board's (Review Board), March 29, 2018 *Report of Environmental Assessment and Reasons for Decision (REA)* for the GNWT's, as led by INF (the developer), Tłı̨chǫ All-season Road Project includes measures 14-1 and 14-2: Annual Reporting from the Developer, and Annual Reporting from Regulatory Authorities and Government.

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The measures read as follows:

Measure 14-2: Annual reporting from the developer

To demonstrate how measures are being implemented and to evaluate the effectiveness of the developer's efforts to prevent or minimize impacts on the environment, the developer will, throughout all phases of the development, prepare an annual report on the implementation of measures. The report will address the measures that the developer is responsible for and will:

- a) describe the actions, including actions implemented through adaptive management, being undertaken to implement the measures; and,*
- b) evaluate how effective the implementation actions are in reducing or avoiding the impact (considering the results of monitoring programs and adaptive management frameworks). Where applicable, provide references to further information contained in other management plans or monitoring reports.*

The developer will provide its annual report to the Review Board one year from the date of the final approval of this Report of Environmental Assessment, and annually thereafter

Measure 14-2: Annual reporting from government and regulatory authorities

To help evaluate the effectiveness of mitigation measures for the protection of the environment, each regulatory authority or government that is wholly or partly responsible for implementation of any measure in this Report of Environmental Assessment will prepare an annual report on implementation of measures. The report will:

- a) describe the actions being undertaken to implement the measures or the part(s) of the measures for which the regulatory authority or government is responsible; and,*
- b) explain how these actions, including those implemented through*

adaptive management, fulfill the intent of the EA measures, including consideration of the following questions:

- i. How are implementation actions addressing a likely significant adverse impact on the environment?*
- ii. How effective are implementation actions at reducing or avoiding the impact or its likelihood?*

Government and regulators are only responsible for reporting on the implementation actions they take, not actions taken by the developer. For example, if a regulator does not issue an authorization, provide direction to the developer, approve a management plan, or take other actions that relate to an EA measure(s) in a given year, the regulator will not need to submit a report for that year.

The governments and regulators will provide their annual reports to the Review Board one year from the date of the final approval of this Report of Environmental Assessment, and annually thereafter.

As required by the October 25, 2018 decision letter on EA 1617-01 from the Minister of Lands on behalf of responsible ministers, and by sub-section 130(5) of the *Mackenzie Valley Resource Management Act*, the GNWT provides the attached Report on Implementation of the Tłıchq All-season Road Project Measures. This Annual Report lists all measures as adopted by the responsible ministers and Tłıchq Government and summarizes GNWT action to date, along with links to relevant documents. The GNWT has chosen to report on activities subject to the measure, up to and including September 30th of this calendar year.

Measures directed wholly or in part to the GNWT as the developer are:

- Measure 5-1 Monitoring health and well-being impacts to Whatı
- Measure 5-2 Tłıchq monitoring, engagement and reporting
- Measure 5-3 Safety of young women in relation to work camps

- Measure 5-4 Employee awareness training and policies
- Measure 5-5 Community engagement and grievance mechanisms
- Measure 5-6 Include Behchokò in accident response planning
- Measure 5-7 Prioritize Northern hiring
- Measure 6-3 Habitat offset and restoration plan
- Measure 7-1 Incorporate Traditional Knowledge into caribou monitoring
- Measure 8-1 Fisheries Management Plan
- Measure 9-2 Cultural sensitivity in work camps and communities
- Measure 9-3 Include Traditional Knowledge from all relevant groups
- Measure 10-1 Bird species at risk and migratory bird mitigation
- Measure 10-2 Wildlife Management and Monitoring Plan approval
- Measure 11-1 Permafrost Management Plan
- Measure 14-2 Annual reporting from the developer

Measures directed wholly or in part to the non-developer departments of the GNWT:

- Measure 5-2 Tłıchò monitoring, engagement and reporting
- Measure 6-1 Develop and implement range plans for boreal caribou
- Measure 6-2 Determine sustainable harvest levels for boreal caribou
- Measure 6-3 Habitat offset and restoration plan
- Measure 7-2 Barren ground caribou mitigation and policy changes
- Measure 9-1 Monitoring harvest and managing wildlife
- Measure 10-2 Wildlife Management and Monitoring Plan approval
- Measure 14-1 Annual reporting from government and regulatory authorities

Suggestions directed to the developer or the GNWT are being considered as appropriate.

Should the Review Board or any parties have any questions, please contact Darren Campbell, Project Assessment Analyst, by phone at (867) 767-9183 (Ext. 24024) or email at Darren_Campbell@gov.nt.ca or Benjamin Bey, Environmental Analyst, by email at Benjamin_Bey@gov.nt.ca or by phone at (867) 767-9083 (Ext. 31058).

Yours sincerely,



Lorraine Seale
Director, Securities and
Project Assessment
Department of Lands



Ziaur Rahman
Manager, Surface Design and
Construction
Department of Infrastructure

Attachment

c.

Adrian Paradis, Senior Project Manager, Northern Projects Management Office

Brett Elkin, Director of Wildlife, Environment and Natural Resources

Julian Kanigan, Director, Environmental Stewardship and Climate Change

Zabey Nevitt, Senior Advisor, Sustainability and Resource Management, Tłıchǫ Government



**Government of the Northwest Territories'
Report**

for

**Tłıchq All-Season Road Project
Annual Measures Reporting**

(Measures 14-1 and 14-2)

EA1617-01

SUBMITTED TO

Mackenzie Valley Environmental Impact Review Board

200 Scotia Centre, P.O. Box 938

YELLOWKNIFE, NT X1A 2N7

October 25, 2019

Tłchq All-Season Road: Final Environmental Assessment Measures Reporting Table

The following table summarizes annual reporting for 2018-2019 on the Tłchq All-Season Road (TASR, the Project) measures (EA 1617-01) on behalf of the GNWT, both as the developer (Measure 14-1) and as Government and Regulatory Authorities (Measure 14-2). This report includes a summary of activities related to each of the measures in the *Report of Environmental Assessment and Reasons for Decision* for the Project for the period of October 25th, 2018 to September 30th, 2019.

The Tłchq All-Season Road measures that require annual reporting be provided to the Mackenzie Valley Environmental Impact Review Board are written as follows:

Measure 14-1: Annual reporting from the developer

To demonstrate how measures are being implemented and to evaluate the effectiveness of the developer's efforts to prevent or minimize impacts on the environment, the developer will, throughout all phases of the development, prepare an annual report on the implementation of measures. The report will address the measures that the developer is responsible for and will:

- a) describe the actions, including actions implemented through adaptive management, being undertaken to implement the measures; and,
- b) evaluate how effective the implementation actions are in reducing or avoiding the impact (considering the results of monitoring programs and adaptive management frameworks). Where applicable, provide references to further information contained in other management plans or monitoring reports.

The developer will provide its annual report to the Review Board one year from the date of the final approval of this Report of Environmental Assessment, and annually thereafter.

Measure 14-2: Annual Reporting from Government and Regulatory Authorities:

To help evaluate the effectiveness of mitigation measures for the protection of the environment, each regulatory authority or government that is wholly or partly responsible for implementation of any measure in this Report of Environmental Assessment will prepare an annual report on implementation of measures. The report will:

- a) describe the actions being undertaken to implement the measures or the part(s) of the measures for which the regulatory authority or government is responsible; and,
- b) explain how these actions, including those implemented through adaptive management, fulfill the intent of the EA measures, including consideration of the following questions:
 - i. How are implementation actions addressing a likely significant adverse impact on the environment?
 - ii. How effective are implementation actions at reducing or avoiding the impact or its likelihood?

Government and regulators are only responsible for reporting on the implementation actions they take, not actions taken by the developer. For example, if a regulator does not issue an authorization, provide direction to the developer, approve a management plan, or take other actions that relate to an EA measure(s) in a given year, the regulator will not need to submit a report for that year.

The governments and regulators will provide their annual reports to the Review Board one year from the date of the final approval of this Report of Environmental Assessment, and annually thereafter.

MEASURE		MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE
Community well-being			
Measure 5-1	<p>Developer's support of monitoring and adaptive management of adverse health and well-being impacts</p> <p>Part 1 Monitor adverse health and well-being impacts to the Community of Whatì</p> <p>Part 2 Reporting</p> <p>Part 3 Adaptive management and re-evaluation</p>	<p><u>5-1, Part 1: Monitoring adverse health and well-being impacts to the Community of Whatì</u></p> <p>To inform mitigation of significant cumulative and project-specific adverse impacts on the health and well-being of the Community of Whatì, the developer will support the Tłıchų Government and Community Government of Whatì in the monitoring and evaluation of direct and indirect impacts of the Project on the health and well-being of the Community of Whatì. These will include:</p> <ul style="list-style-type: none"> the anticipated initial spike in harmful behaviours associated with increased access to drugs and alcohol; traffic accidents on the road; change in safety of young women and other vulnerable groups; and, change in harvest success rates and availability of country foods in Whatì. <p>Monitoring will meet the requirements of Appendix C.</p> <p><u>5-1, Part 2: Reporting</u></p> <p>The developer will support the Tłıchų overnment and Community Government of Whatì in preparing an annual progress report on their efforts to mitigate impacts on health and well-being to the Community of Whatì.</p> <p><u>5-1 Part 3: Adaptive management and re-evaluation</u></p> <p>The developer, in collaboration with the Tłıchų overnment and Community Government of Whatì, will support the adaptive management of health and well-being impacts, following guidance in Appendix B.</p> <p>The developer will support the Tłıchų overnment and Community Government of Whatì, in the monitoring, engagement, reporting and adaptive management described in this measure for each year of construction and for a minimum of ten years of Project operations.</p>	<p>This Measure is directed to the developer, reporting under Measure 14-1</p> <p>a) 5-1 Part 1: Monitoring adverse health and well-being impacts to Whatì: The Tłıchų All-Season Road is in the early phases of construction, with all permitting requirements being obtained in early September. As the road is only just being constructed, direct and indirect impacts of the Project on the health and well-being of the Community of Whatì are not anticipated at this time. The developer is, in preparation for completion of the construction of the road, working with and supporting the Tłıchų overnment and the Community overnment of Whatì as they prepare for road opening. The Tłıchų overnment (T), the overnment of the Northwest Territories (NWT), Tłıchų Community Services Agency (TCSA), and the Community Governments of Behchokò and Whatì (CGB & CGW). During this meeting, a session was held to discuss socio-economic, health and way of life monitoring and reporting under measures 5-1 and 5-2. A key outcome from this session was the joint commitment of the parties to create the Health and Well-being Working Group for the TASR. The primary objective of this group is to cooperatively develop the health and well-being indicators, including thresholds and adaptive management plans relating to impacts from the TASR. The group will use a cooperative approach to come to a clear understanding of, approach to, and development of monitoring, evaluation, and reporting of indicators related to Measures 5-1 and 5-2. A draft Terms of Reference was developed in April 2019 and shared with all working group members, including staff from the TG, TCSA, GNWT departments of Health and Social Services (HSS) and Infrastructure (INF), CGB and CGW. The first meeting of the working group was held in April, 2019.</p> <p>5-1 Parts 2 and 3: Reporting and adaptive management: Annual progress reports and adaptive management of the health and well-being impacts of the road on the Community of Whatì have not been initiated to date, given that the road is not yet constructed and open to the public. The developer will, once the road is open, support the Tłıchų overnment and Community overnment of Whatì in preparing an annual progress report . The developer will also support the TG and CGW in the adaptive management of health and well-being impacts.</p> <p>b) The effectiveness of the implementation actions cannot be fully assessed in this Annual Report, as measure implementation is in the early planning stages.</p>

MEASURE	MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE
<p>Measure 5-2</p> <p>Tẖcẖ monitoring, engagement and reporting of adverse health and well-being impacts</p> <p>Part 1 Tẖcẖ monitoring of adverse health and well-being impacts</p> <p>Part 2 Public engagement</p> <p>Part 3 Reporting</p>	<p><u>5-2, Part 1: Tẖcẖ monitoring of adverse health and well-being impacts</u></p> <p>The Tẖcẖ overnment, overnment of the Northwest Territories, Tẖcẖ Community Services Agency and Community Government of Whati, with the support of the developer, will establish and implement a framework to monitor and evaluate health and well-being impacts associated with the road, and will adaptively manage health and well-being impacts as described in Measure 5-1 and following guidance in Appendices B and C, for each year of construction and for a minimum of ten years of operations.</p> <p>Following ten years of Project operations, the Community overnment of Whati, overnment of the Northwest Territories, Tẖcẖ Community Services Agency and Tẖcẖ overnment in collaboration with the developer, will re-evaluate the need for, and frequency of, monitoring, engagement, reporting and adaptive management.</p> <p>If the monitoring of harvest success rates and availability of country foods in Whati (in Measure 5-1, Part 1, above) indicates a declining trend in harvest success and the consumption of country foods, the Tẖcẖ overnment and the Community Government of Whati will develop and implement a strategy to address the decline in the availability of country foods for those most affected.</p> <p><u>5-2, Part 2: Public engagement</u></p> <p>The Tẖcẖ overnment, overnment of the Northwest Territories, Tẖcẖ Community Services Agency and Community Government of Whati, with the participation of the developer and the P3 operator, will meet with the residents of Whati at least once per year to discuss:</p> <p>a) priority health and well-being impacts at the individual, family and community level related to the Project;</p> <p>b) the effectiveness of programs or mitigations used to address these impacts; and,</p> <p>c) the need to adjust programs or implement additional mitigations.</p> <p><u>5-2, Part 3: Reporting</u></p> <p>The Tẖcẖ overnment, overnment of the Northwest Territories, Tẖcẖ Community Services Agency and Community Government of Whati, with the support of the developer, will prepare and make publicly available an annual progress report on their efforts to mitigate impacts on health and well-being to the Community of Whati. The report will describe engagement, current management and plans for future adaptive management. The findings of the report will be presented to the residents of Whati, provided to the Whati Inter-Agency Committee and provided to the Tẖcẖ All-Season Road Corridor Working roup (see Measure 14-3).</p>	<p>This Measure is directed at the Tẖcẖ overnment , TCSA and whole of the GNWT (with support of the developer). As such, it is being reported on under both Measure 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) The developer attended the 3 day workshop hosted by the Tẖcẖ overnment (T) and is a member of the Health and Well -being Working Group. The developer also reviewed the Terms of Reference for the group, distributed in April 2019. The developer will be providing funding for the implementation of monitoring of any health and well-being impacts, and will continue to be a participant of the Health and Well-being Working Group.</p> <p>b) The effectiveness of the implementation actions has yet to be seen as the project is in the early stages of implementation.</p> <p>Reporting under Measure 14-2</p> <p>a) As noted under Measure 5-1, the Tẖcẖ overnment (T) hosted a three day Measure Review and Implementation Planning Workshop in January 2019, which was attended by staff from the Tẖcẖ overnment (T), the overnment of the Northwest Territories (NWT), Tẖcẖ Community Services Agency (TCSA), and the Community Governments of Behchoḵ and Whati (CGB & CGW). During this meeting, a session was held to discuss socio-economic, health and way of life monitoring and reporting requirements under measures 5-1 and 5-2. A key outcome from this session was the joint commitment of the parties to create the Health and Well-being Working Group for the TASR. The primary objective of this group is to cooperatively develop the health and well-being indicators, including thresholds and adaptive management plans relating to impacts from the TASR. The group will use a cooperative approach to come to a clear understanding of, approach to, and development of monitoring, evaluation, and reporting of indicators related to Measures 5-1 and 5-2. A draft Terms of Reference was developed in April 2019 and shared with all working group members, including staff from the TG, TCSA, GNWT departments of Health and Social Services (HSS) and Infrastructure (INF), CGB and CGW. The first meeting of the working group was held in April, 2019.</p> <p>In addition to this meeting, the Department of Health and Social Services (HSS) met with the TCSA to have a preliminary discussion on territorial and regional health data, services, and programs and potentially related mitigations as well as current or anticipated actions that can support this work. In May 2019, the departments of HSS, Justice (JUS), and Education, Culture and Employment (ECE) attended the Whati Interagency Committee meeting with other GNWT departments, the TG, and community members. At the Whati Interagency Committee meeting the approach to implementing the measure as well as potential sources of data were discussed. At this meeting, JUS and ECE joined the working group to support the cooperative approach of all parties as it relates to their mandate areas. Working Group meetings will continue throughout 2019 and 2020 to cooperatively develop the monitoring and mitigation framework and identify needs and appropriate indicators of health and well-being. HSS has assembled preliminary health and wellness indicators and data to be considered and discussed in the next Working Group meeting and to receive feedback on where more information may be needed. Some of these include but are not limited to: baseline information on alcohol and drug hospitalizations, data related to emergency department visits, data related to children receiving services, chronic diseases and infections.</p> <p>JUS has committed to supporting the monitoring of adverse health and well-being effects of the TASR to the Community of Whati by participating in post-EA processes and providing data that it, or its partner, the RCMP, tracks, where appropriate. With respect to the "anticipated initial spike in harmful behaviours associated with increased access to drugs and alcohol", JUS will provide information on community patrols and seizures of controlled and prohibited substances and illegal firearms¹. With respect to the "change in safety of young women and other vulnerable groups," JUS can provide information on RCMP presence, police reported crime by nature of offence (including alleged sexual assaults) and the frequency with which victims' services are utilized. This data can be used in the annual progress report and to determine if and how adaptive management of health and well-being impacts will occur.</p> <p>As well, Annual Policing Priority Action Plans (Action Plans) are developed in partnership between the RCMP and community leadership. Priorities are developed based on the specific needs of each community and provide the opportunity to examine current community safety pressures and plan for future demands. These action plans are revisited annually and revised as necessary by the community and the RCMP. Action Plan reporting to track the RCMP and community goals is captured on a template and reported on a quarterly basis. Reports are provided to Mayors and Chief and Council and may be distributed by the community as a public document if the community so wishes.</p> <p>Along with its membership on the Whati Interagency Committee, the department of ECE is able to provide information on the following programs:</p> <ul style="list-style-type: none"> • Income Security Programs - Income Assistance, Seniors Home Heating Subsidy, Seniors Supplementary Benefit, Student Financial Assistance, NWT Child Benefit; • Early Childhood - # of Early Childhood Care Spaces, # of EC Licensed Programs, Early Childhood Development Instrument Reports; • Employment and skills training - data from NWT Stats Bureau, GNWT Labour Market Programs, Apprenticeships; • Education - Junior Kindergarten – Grade 12 student data; • Indigenous Languages- Reports from Tlicẖ Government Regional Language Plans – Stats from 2014 Community Survey (# of speakers by language/community) <p>The data collected as part of these programs can be used by the Whati Inter-Agency Committee and will help the Committee determine the effectiveness of mitigations to address potential health and well-being impacts. Moving forward, GNWT will continue to work closely and collaboratively with the TG, Community Governments, and TCSA to ensure that the indicators selected for the monitoring plan are jointly decided upon and that culturally relevant and community orientated mitigations are included. This will ensure a responsive monitoring and mitigation plan is developed that best fits the needs of the community.</p> <p>b) The actions completed to date outline the progress that has been made in implementing this measure. The effectiveness of this work cannot be assessed at this time, as the project is in the early development stage.</p> <p>¹ There are some situations in which data may be held back at the community level to avoid privacy violations.</p>

MEASURE		MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE
Measure 5-3	Safety of young women in relation to work camps	To mitigate the Project's impact on the physical and mental health and safety of women, the developer will require that the successful P3 operator has gender appropriate and gender-specific policies in place that promote a safe, respectful and inclusive environment for women at work and in communities near work camps. The developer will consult with the Tłıchq Government and Community Government of Whatı in establishing core elements of these policies.	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Hiring for the construction of the road has started and will continue as required to meet construction demands. Women have been hired from the community and were orientated using gender-specific policies. The gender-specific policies were developed in consultation with the Community Governments to ensure the safety of all women at the camp. The P3 operator (North Start Infrastructure), acting on behalf of the developer, continues to consult on a weekly basis with Tłıchq overnment representatives and the Community overnments of Whatı and Behchokò on the policies . This ongoing consultation helps in the continuous improvement of the new-hire orientation program.</p> <p>With the exception of Behchokò residents, workers and staff are required to stay in camp during non-working hours. Daily and weekly meetings are held with worker representatives and senior leadership, providing a forum for issues and concerns to be raised and resolved.</p> <p>No safety issues or concerns have been raised by any female employees since the implementation of the policies.</p> <p>b) The full effectiveness of the implementation actions cannot be assessed in this Annual Report, as construction has been ongoing for approximately a month and a half. However, at this time the actions taken to reduce or avoid impacts on the physical and mental safety of women have been successful as no issues have been raised.</p>
Measure 5-4	Employee awareness training and policies	To promote a positive, safe and inclusive work environment, the developer will ensure that the P3 operator: <ul style="list-style-type: none"> establishes a workplace environment that prevents assault, harassment and racism; has a zero-tolerance harassment policy for racial or sexual discrimination; and, requires employees to take a training course designed to promote cultural and gender awareness. The developer will develop appropriate training materials, in consultation with the Tłıchq overnment and the Tłıchq Community Services Agency, that reflect the factors that increase risks of sexual assaults on Aboriginal women. The developer, the Tłıchq overnment and the Tłıchq Community Services Agency will coordinate course delivery. The developer will fund the training course.	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer required employee awareness training and policies be developed in consultation with the Tłıchq overnment and the Tłıchq Community Services Agency to ensure all personnel working onsite completed a mandatory onsite orientation. This has been completed. The onsite orientation provides training on key elements of workplace safety with emphasis on zero-tolerance for harassment, racial or sexual discrimination. Policy reminders are posted at worksite vantage points.</p> <p>The P3 operator is working with the Tłıchq overnment and the Tłıchq Community Services Agency, to ensure that training materials cover factors that are likely to increase risks of sexual assaults on Indigenous women. The P3 operator meets weekly with Tłıchq overnment and the Tłıchq Community Services Agency to review the policies.</p> <p>Racial or sexual discrimination, sexual assault or harassment has not been reported since commencement of construction on September 2, 2019 until this report has been prepared in October, 2019.</p> <p>b) The effectiveness of the implementation actions cannot be fully assessed in this Annual Report, as construction has been ongoing for approximately a month and a half. However, at this time the actions taken to reduce or avoid impacts have been successful as no issues have been raised.</p>
Measure 5-5	Community engagement and grievance mechanisms	The developer will hold public engagement sessions with the Communities of Whatı and Behchokò to discuss project-related community concerns.	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Public engagement sessions were held in the communities as follows:</p> <p>June 17, 2019 - Behchokò Cultural awareness/signage meeting June 18, 2019 - Whatı Career Fair June 19, 2019 - Behchokò Community information meeting June 20, 2019 - Behchokò Community information meeting August 7, 2019- Whatı Community Engagement regarding Camp and Community rievance policy. The Community Coordinator Lead (CCL) went to Whatı to review the policies. August 8, 2019- Behchokò Community Engagement regarding Camp and Community rievance policy. The CCL also went to Behchokò to review the policies.</p> <p>The developer has designed a camp grievance mechanism and a community grievance mechanism. The camp grievance mechanism was put in place prior to September 3, 2019 and is included in the onsite orientation. The grievance policies were reviewed with the TG Client Service Department on September 25 and October 2, 2019, respectively. The TG meets weekly with the developer to review events, grievances, and policies.</p> <p>b) The implementation actions have been successful at this early stage of construction, as the grievance mechanisms have been developed in coordination with the communities of Behchokò and Whatı and were in place prior to the start of construction. The effectiveness of the grievance mechanisms has yet to be tested as no concerns or issues have been raised.</p>
		The developer will have a camp grievance mechanism and a community grievance mechanism that allow individuals and communities to raise concerns in a timely and open manner. These will be in place before the start of Project construction.	

MEASURE		MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE
Measure 5-6	Include Behchokò in accident response planning	The Government of the Northwest Territories will develop and implement an effective ground ambulance and highway rescue action plan along the road that will be designed in collaboration with the Tłıchǫ government (TG), Tłıchǫ Community Services Agency (TCSA), Community government of Whatì, and Community government of Behchokò.	<p>This measure is directed to the GNWT, reporting under Measure 14-2</p> <p>Backgrounder on NWT Ground Ambulance Highway Rescue (GAHR) Action Plan:</p> <p>In 2017, the GNWT started work on an action plan to address gaps, deficiencies, and to identify future needs relative to the current ground ambulance and highway rescue services system in the Northwest Territories. Project activities included researching service delivery standards, and assessing the current operating environment with a view to determining the operational and financial requirements necessary to sustain a desired standard of service. In February 2019, work was completed on a Findings and Recommendations Report which was used as a basis for a two-year action plan approved in June 2019.</p> <p>The action plan places an immediate priority on governance and establishing an acceptable fiscal arrangement between the GNWT and community governments which deliver mature ground ambulance and rescue services on territorial highways. Territorial legislation empowers community governments to establish ground ambulance and rescue services and to extend those services beyond municipal boundaries. The GNWT supports these efforts with funding, training, tools and guidance. The action plan includes work on a revised funding policy to support a fair and equitable approach to funding GAHR across the territory, and establishment of a basic service delivery model with key elements to support the design, development, implementation, and maintenance of GAHR services in the NWT. The GNWT fully anticipates that outcomes from the action plan will inform the establishment of new or expanded services in the NWT.</p> <p>a) Implementation of Measure 5-6, GAHR Action Plan Project for the TASR:</p> <ul style="list-style-type: none"> In January 2019, the TG hosted a three day Measures Review and Implementation Planning Workshop wherein the TG, TCSA, GNWT (including MACA, HSS), and Community Governments agreed to create a working group to jointly move forward and address this measure. In the spring of 2019, a working group was established and two preliminary meetings were held in May/June to further define the project's scope, key objectives, and the engagement process for implementing Measure 5-6 and developing an effective GAHR action plan for the TASR. The working group is chaired by MACA (Municipal and Community Affairs), and includes the GNWT-HSS, TG, TCSA, and the Community governments of Whatì and Behchokò. In June 2019, a Project Charter was finalized in collaboration with the working group which outlines the project scope, priority activities, and a critical path forward for meeting the intent of Measure 5-6. In July 2019, a Terms of Reference was developed in collaboration with the working group which defines the scope, methodology, and key deliverables for examining the current operating environment and informing the development of a GAHR action plan for the TASR. MACA also developed an assessment outline for the working group to provide additional clarity on focus areas to be examined, and to assist the TCSA and Community Governments with preparing any support materials in advance of the scheduled community visits. On September 16th, 2019, a Knowledge gathering Session was held in the community of Behchokò involving key policy and operational staff from the T, TCSA, and Community governments of Whatì and Behchokò. MACA provided a backgrounder on the broader NWT GAHR Action Plan, reviewed key components of the Project Charter, and described the approach that will be used for conducting the operational assessment. HSS facilitated the knowledge gathering discussion which explored local historical knowledge, key policies and governance challenges, and other barriers and successes related to the current operating environment. Information gathered from this session will be included in the overall assessment and inform the development of an action plan for the TASR. In October 2019, the Office of the Fire Marshal (MACA) visited the communities of Whatì and Behchokò to conduct an operational assessment of GAHR rescue services. This work involved interviews with key management and operational staff on governance, policies, service levels, staffing, equipment, operating procedures, training, inter-agency coordination, and other foundational elements for the establishment and delivery of emergency response services. MACA will prepare a draft report on the community operational assessment findings. These findings will be made available for the working group to review. The working group will also discuss next steps towards the development and implementation of an action plan. To inform this work, HSS will be working with MACA and Executive and Indigenous Affairs (EIA) to provide clarity on the current legal, policy, and financial arrangements that are in place involving existing services delivered by the TCSA. Moving forward, the GNWT (MACA, HSS) will continue to work closely and collaboratively with the TG, TCSA, and the Community Governments of Whatì and Behchokò to ensure priority actions are meeting the intent of the measure. <p>b) The actions completed to date outline the progress that has been made in implementing this measure. The effectiveness of this work cannot be assessed at this time, as the project is in the early development stage.</p>

MEASURE		MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE
Measure 5-7	Prioritize Northern hiring	The developer will prioritize Northern hiring, and Tł̓ch̓q citizen hiring in particular, in its contract with the P3 operator.	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer has prioritized Northern Hiring and currently has a total of 15 local people from the Community of Behchok̓ and the hamlet of Fort Providence working on the Tł̓ch̓q All-season Road Project since the start of construction on September 3, 2019.</p> <p>Further hiring is ongoing and clear data on the number of local people hired for the project will be provided in the next annual report. To date, there has not been any complaint from the community governments about the hiring process.</p> <p>b) The project agreement ensures that Northern hiring will be prioritized and has been effective at this early stage in construction. The effectiveness will continue to be monitored throughout construction and operations.</p>

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MEASURE	MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE
Boreal caribou		
Measure 6-1 Implementation of the Recovery Strategy for the Boreal Caribou in the NWT, and required range plans, for boreal caribou affected by the Project Part 1 Develop and implement range plans Part 2 Information and adaptive management requirements	<p><u>6-1, Part 1: Develop and implement range plans</u> The GNWT-ENR will develop and implement a range plan for boreal caribou (t̄odzı) in the North Slave portion of the NT1 range, as required by the Recovery Strategy for the Boreal Caribou in the NWT. The GNWT-ENR will also develop and implement a range plan for any other region where boreal caribou (t̄odzı) may experience impacts related to the Project.</p> <p>The range plan(s) will be developed collaboratively with Aboriginal groups and co-management partners. GNWT-ENR will complete and submit a range plan for the North Slave portion of the NT1 range to the Wek'èezhì Renewable Resources Board for review under section 12.5.1 of the T̄ı̄ch̄ Agreement a minimum of 90 days before the Project is opened for public use.</p> <p>The NWT will work collaboratively with the T̄ı̄c̄ h̄ Government, and other relevant Aboriginal and federal land management authorities to manage habitat to achieve the habitat disturbance threshold set out in this range plan to the greatest extent possible. The GNWT will consult with applicable Aboriginal groups as required.</p> <p><u>6-1, Part 2: Information and adaptive management requirements</u> For the area identified by the range plan(s) in measure 6-1, part 1 the following must be included in the development and implementation of the Recovery Strategy for the Boreal Caribou in the NWT or range plan(s):</p> <ul style="list-style-type: none"> • monitoring to determine population trends, abundance and distribution; • determination of population thresholds and triggers to inform adaptive management; • harvest monitoring and reporting; • determining sustainable harvest levels; • identifying critical habitat; • ongoing habitat disturbance monitoring; • setting disturbance thresholds for critical habitat and, to the greatest extent possible, managing habitat towards meeting these disturbance thresholds for each range planning region; and, • monitoring predator populations including densities, movements and predation rates. <p>Monitoring will meet the requirements of Appendix C. GNWT-ENR will work with the developer to adaptively manage Project impacts on boreal caribou (t̄odzı) (following guidance in Appendix B).</p>	<p>This measure is directed to the GNWT-ENR, reporting under Measure 14-2</p> <p>a) 6-1, Part 1: Develop and implement range plans: In August 2019, GNWT-ENR released A Framework for Boreal Caribou Range Planning (the Framework) that will guide the development of five regional range plans for boreal caribou. The Framework is intended to guide what factors regional range plans will consider, how disturbance will be managed, what kinds of actions are recommended for different levels of disturbance, and how those actions will be implemented. This includes setting regional limits for total habitat disturbance, and human disturbance thresholds to determine the intensity of management actions required. Range planning for the Southern NWT and the Wek'èezhì regions will start in fall 2019. The Framework is available on ENR's website at https://www.enr.gov.nt.ca/sites/enr/files/resources/boreal_caribou_range_planning_framework_2019_-_cadre_de_planification_de_laire_de_repartition_du_caribou_boreal_2019.pdf.</p> <p>ENR will engage with Indigenous governments and organizations (IGOs), renewable resources boards, land use planning boards, regulatory boards, industry and non-governmental organizations during the development of boreal caribou range plans for Southern NWT and the Wek'èezhì region.</p> <p>6-1, Part 2: Information and adaptive management requirements: ENR initiated a boreal caribou monitoring program in the North Slave region focused on the TASR corridor in March 2017, with the deployment of 20 GPS collars on adult female caribou. Five more collars were deployed in the study area in March 2018, and ENR completed the first classification survey to determine cow: calf ratios in March 2018. Seven more collars were deployed in March 2019, and classification surveys were also completed. There are currently 30 active collared caribou within the study area. ENR has hired a contractor to begin evaluating sustainable harvest levels using available demographic data from NWT boreal caribou monitoring programs.</p> <p>b) Measure 6-1 directs the GNWT-ENR to develop and implement a range plan for boreal caribou in the North Slave portion of the NT1 range. The actions taken to date outline the progress the GNWT-ENR has made, in collaboration with IGOs, renewable resources boards, land use planning boards, regulatory boards, industry and non-governmental organizations, in working towards the development of boreal caribou range plans. The development and implementation of range plans will help address this impact as range plans are tools for decision-makers, developers and communities to help manage activities on the land in a way that supports caribou conservation. The effectiveness of this measure cannot be determined until after the boreal caribou range plan for the Wek'èezhì region is completed.</p>

MEASURE		MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE
Measure 6-2	Determine sustainable harvest levels for boreal caribou (t̄qdz̄i) and implement measures to ensure harvest is sustainable if required	<p>To mitigate significant adverse impacts from the project on boreal caribou (t̄qdz̄i), the NWT -ENR, in collaboration with Aboriginal groups and in accordance with the requirements of the T̄h̄ch̄q̄ Agreement, will determine sustainable harvest levels for boreal caribou in the North Slave portion of the NT1 range prior to the road being opened to the public.</p> <p>In that same period, if current harvest levels are determined to exceed sustainable levels, management action will be undertaken in conjunction with the T̄h̄ch̄q̄ overnment.</p> <p>If harvest levels are observed to increase towards unsustainable levels once the road is opened to the public, NWT -ENR and T̄h̄ch̄q̄ overnment will submit a wildlife management proposal under section 12.5.1 of the T̄h̄ch̄q̄ Agreement to the Wek'èezh̄i Renewable Resources Board for the timely implementation of any measures necessary to ensure boreal caribou harvest in the region is kept within sustainable levels. Such measures may include the establishment of a no-hunting corridor along the Project route.</p>	<p>This measure is directed to GNWT-ENR, reporting under Measure 14-2</p> <p>a) GNWT- ENR has hired a contractor to begin evaluating sustainable harvest levels using available demographic data from NWT boreal caribou monitoring programs. ENR will engage on the results of the contractor's report once it is finalized.</p> <p>In July 2019, ENR introduced new harvest regulations to split woodland caribou into separate "boreal caribou" and "northern mountain caribou" tags based on where each ecotype of woodland caribou lives the caribou live to improve ENR's ability to track resident harvest levels of each ecotype. For boreal caribou, resident hunters and General Hunting Licence holders can now only hunt bulls and the hunting season has been shortened.</p> <p>b) The actions taken to date outline the progress the GNWT-ENR has made in implementing this measure. The effectiveness of this measure cannot be determined until sustainable harvest levels are established.</p>

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MEASURE	MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE																
Measure 6-3 Habitat offset and restoration plan	<p>The developer will offset effective boreal caribou (t̄ɔdz̄ı) habitat lost because of disturbance from the Project.</p> <p>The developer, with the involvement of GNWT-ENR, will prepare and implement a habitat offset plan. This plan will describe how the required habitat offset area will be determined and how it will be achieved. In preparing the plan, the developer will collaborate with T̄ıch̄ɔ ɔvernment and the Wek'èezh̄ı Renewable Resources Board, and consult with the following participants to this environmental assessment:</p> <ul style="list-style-type: none"> • Environment and Climate Change Canada; • Yellowknives Dene First Nation; and, • North Slave Métis Alliance. <p>The developer will make funding available to the parties to support this consultation and collaboration. The developer will submit a draft and a final plan as described below. Once approved, the developer will operate in accordance with the plan.</p> <p>The developer will submit a draft plan to the Wek'èezh̄ı Renewable Resources Board a minimum of 30 days prior to commencement of construction. The developer will submit the final habitat offset plan to the Wek'èezh̄ı Renewable Resources Board for review under section 12.5.1 of the T̄ıch̄ɔ Agreement, as soon as possible, and no later than 90 days prior to public use of the road. This final plan will include, at a minimum:</p> <ul style="list-style-type: none"> • the goals and objectives of the plan; • a discussion on the expected effectiveness of mitigations and offsets; • a decision framework to prioritize restoration areas, mitigations, and offsets, including references to the research on which the decision framework was based; • a discussion of how any proposed mitigations or offsets align with the Recovery Strategy for the Boreal Caribou in the NWT and range plans; • details of proposed ways to offset habitat disturbance including restoration sites, mitigation measures, offsets, forest fire fighting policies, or habitat management approaches; • a description of the spatial scale of the proposed offset, the habitat quality and type, site specific restoration activities, and any challenges; • a timeline for offsetting; • a quantitative and qualitative assessment of the total area of boreal caribou habitat proposed for restoration and the timeframe required for restoration; • a summary of consultation feedback that was integrated into the draft and final plans; • a description of any Traditional Knowledge that was considered in the development of the plan, and how it was incorporated; and, • a description of any resources provided to Aboriginal groups to support their involvement in the drafting of the final plan, and for any involvement in the implementation of the plan. 	<p>This measure is directed to the developer, but requires the involvement of GNWT-ENR. The developer and ENR worked collaboratively to provide the information as summarized below, reporting under Measure 14-1 and 14-2.</p> <p>a) A Consultant (Associated Environment) has been retained by the developer to undertake and complete a Draft Caribou Habitat Offset Plan for the TASR in collaboration with the T̄ıch̄ɔ ɔvernment and the Wek'èezh̄ı Renewable Resources Board (WRRB), and in consultation with Environment and Climate Change Canada (ECCC), Yellowknives Dene First Nation (YKDFN), and North Slave Métis Alliance (NSMA).</p> <p>As part of the consultation, Associated Environment (AE) organized 3 workshops; 2 in Behchok̄ɔ and 1 in Yellowknife.</p> <table border="1"> <thead> <tr> <th>Workshop</th> <th>Date</th> <th>Venue</th> <th>Attendees</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>February 22, 2019</td> <td>Yellowknife</td> <td>TG, WRRB, GNWT-ENR, GNWT-INF, and AE</td> </tr> <tr> <td>2</td> <td>April 23 & 24, 2019</td> <td>Behchok̄ɔ</td> <td>TG, WRRB, GNWT-ENR, GNWT-INF, AE, Elders and Harvesters from What̄ı and Behchok̄ɔ</td> </tr> <tr> <td>3</td> <td>May 9 & 10, 2019</td> <td>Behchok̄ɔ and Yellowknife</td> <td>T, WRRB, NWT -ENR, NWT -INF, AE, Elders and Harvesters from What̄ı and Behchok̄ɔ</td> </tr> </tbody> </table> <p><i>Workshop 1</i> The purpose of workshop 1 was to encourage a common understanding of the concepts of offsetting and agree upon how the draft Habitat Offset Plan should be developed. The collaborators decided upon a tentative schedule, the parties who needed to be engaged, the methods of engagement, the number of engagement sessions that would be required, and the number of drafts that would be provided.</p> <p><i>Workshop 2</i> At workshop 2 offsetting was introduced to the Elders and Harvesters. The collaborators listened to the Elders and Harvesters traditional use of the land and the traditional knowledge they had of todzi use of the land. AE consulted with the Elders and Harvesters on methods of offset and areas for potential offset.</p> <p><i>Workshop 3</i> Workshop 3 was a follow-up with Elders and Harvesters to ensure that the information obtained from the previous workshop was correct, and provided Elders and Harvesters with an opportunity to provide further feedback. The second day of the workshop was held with staff to focus on the methods and areas for offsetting and what the draft Habitat Offset Plan will look like.</p> <p>AE distributed the draft Habitat Offset Plan to the TG, WRRB, NSMA, YKDFN, GNWT-ENR, and the developer. Note: ECCC was consulted in a different forum.</p> <p>The first draft was completed and submitted to the developer on June 10, 2019 for review and comment. The second draft was distributed to all interested parties on June 17, 2019 for review and comment, and was distributed again on July 12, 2019 for further review. The draft Habitat Offset Plan was completed and submitted to the WRRB, in accordance with Measure 6-3, on July 31, 2019.</p> <p>Following submission of the draft Habitat Offset Plan to WRRB, the Forest Management Division of ENR raised pertinent issues which AE will be working on. The final Habitat Offset Plan is due at least 90 days prior to public use of the road, which is scheduled for Fall 2022. Once the WRRB completes their review of the draft Habitat Offset Plan, AE will continue to prepare the final Habitat Offset Plan in collaboration and consultation with the required parties.</p> <p>b) The actions taken to date outline the progress that has been made in implementing this measure. The implementation actions described above have been effective at preparing the draft Habitat Offset Plan using a collaborative process. The effectiveness at avoiding or reducing impacts is yet to be seen as the Habitat Offset Plan is still a draft and has yet to be implemented.</p>	Workshop	Date	Venue	Attendees	1	February 22, 2019	Yellowknife	TG, WRRB, GNWT-ENR, GNWT-INF, and AE	2	April 23 & 24, 2019	Behchok̄ɔ	TG, WRRB, GNWT-ENR, GNWT-INF, AE, Elders and Harvesters from What̄ı and Behchok̄ɔ	3	May 9 & 10, 2019	Behchok̄ɔ and Yellowknife	T, WRRB, NWT -ENR, NWT -INF, AE, Elders and Harvesters from What̄ı and Behchok̄ɔ
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3	May 9 & 10, 2019	Behchok̄ɔ and Yellowknife	T, WRRB, NWT -ENR, NWT -INF, AE, Elders and Harvesters from What̄ı and Behchok̄ɔ															

MEASURE		MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE
Barren-ground caribou			
Measure 7-1	Incorporate Traditional Knowledge into monitoring of barren-ground caribou (ᑕᑦᓴᓴᓴ)	To improve and inform mitigation of significant adverse impacts to barren-ground caribou (ᑕᑦᓴᓴᓴ) resulting from increased access due to the Project, the developer will include Traditional Knowledge in barren-ground caribou (ᑕᑦᓴᓴᓴ) monitoring and management. Prior to operations, the developer will: a) support the Tłıchǰ government in the design and implementation of a program that uses Tłıchǰ harvesters' traditional knowledge and methods to monitor the state of barren-ground caribou (ᑕᑦᓴᓴᓴ) winter habitat, during and after the construction of the Project; b) fund the implementation of the program in paragraph a); and c) incorporate the findings of the program in paragraph a) into the Wildlife Management and Monitoring Plan while it is in place, and into any other barren-ground caribou (ᑕᑦᓴᓴᓴ) management if the Wildlife Management and Monitoring Plan is not extended.	This measure is directed to the developer, reporting under Measure 14-1 a) The developer is collaborating with the Tłıchǰ Government to provide support for the design and implementation of a program that uses traditional knowledge and methods by Tłıchǰ harvesters to monitor the state of barren-ground caribou winter habitat starting in the 2019 winter season. Results from the implementation of the program will be provided after the 2019 winter season. b) The effectiveness of the actions taken to implement this measure cannot be assessed yet, as measure implementation is in the early planning stage.
Measure 7-2	Barren-ground caribou mitigation and policy changes	To manage significant adverse impacts to barren-ground caribou (ᑕᑦᓴᓴᓴ) resulting from the Project, NWT -ENR and Tłıchǰ Government, along with their co-management partners in the Wek'èezhì area, will: a) complete the Bathurst Caribou Range Plan as soon as possible and prior to the expiry of the Wildlife Management and Monitoring Plan; and, b) consider protecting barren-ground caribou (ᑕᑦᓴᓴᓴ) historic winter habitat from fires when determining where and when fires are fought, to offset effective habitat loss from the Project.	This measure is directed to the GNWT-ENR and the Tłıchǰ government, reporting under Measure 14-2 a) 7-2, Part a: complete the Bathurst Caribou Range Plan: The Bathurst Caribou Range Plan (BCRP) was released on August 21, 2019. The BCRP was developed by a multi-stakeholder working group and will help decision-makers manage activities on the land in a way that supports the recovery of the Bathurst herd, while providing clarity on land use and access for developers, regulators and residents of the Northwest Territories (NWT). It includes guidance for managing the overall amount of disturbance on the land, as well as seven management tools to reduce and manage impacts to caribou and caribou habitat. Actions are currently underway to support implementation of the recommendations contained in the BCRP. The BCRP is available on ENR's website at https://www.enr.gov.nt.ca/sites/enr/files/resources/bathurst_caribou_range_plan_2019_-_plan_pour_laire_de_repartition_des_caribous_de_bathurst_2019.pdf . 7-2, Part b: consider protecting barren-ground caribou historic winter habitat from fires: The BCRP contains a recommendation to: "On an annual basis, identify large, strategically-located patches of forest in the central Bathurst winter range for the GNWT fire management "Values at Risk" database. Response to fires in these areas would be based on an analysis of the current fire load, fire environment, resource availability and similar considerations of the management options at the time of the fire event." b) The actions taken to date outline the progress the GNWT-ENR has made in implementing this measure. The development and implementation of range plans will help address this impact as range plans are tools for decision-makers, developers and communities to help manage activities on the land in a way that supports caribou conservation. The effectiveness of the BCRP cannot be assessed because the BCRP is relatively recent (August 21, 2019).
Fish and water			

MEASURE		MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE
Measure 8-1	Fisheries Management Plan	<p>Fisheries and Oceans Canada and the Tłıchǵovernment, with the support of the developer, will develop and implement a Fisheries Management Plan for fisheries in the project area. This will prevent significant adverse impacts from additional fishing pressure that will likely result from increased access via the Project. In designing the plan, Fisheries and Oceans Canada will engage with the Tłıchǵovernment, the Wek'èezhì Renewable Resources Board, the Community of Whatı and other affected Aboriginal groups. Fisheries and Oceans Canada and the Tłıchǵovernment will submit the plan to the Wek'èezhì Renewable Resources Board for review under section 12.5.1 of the Tłıchǵ Agreement.</p> <p>As part of this plan, Fisheries and Oceans Canada and the Tłıchǵovernment will complete the following work:</p> <p>a) Complete work to understand baseline fishery and harvest conditions. This work will include, at a minimum:</p> <ul style="list-style-type: none"> i. assessing yield and harvest; ii. identifying management issues; iii. establishing fisheries objectives; and, iv. clarifying management and stewardship arrangements. <p>b) Design and implement, with support of the developer, mitigation to prevent or manage project impacts (which may include a regulatory and compliance plan).</p> <p>c) Design and implement monitoring plans, meeting the requirements of Appendix C.</p> <p>d) Design and implement an adaptive management plan (following guidance in Appendix B).</p> <p>Fisheries and Oceans Canada and the Tłıchǵovernment will provide opportunity for the working group (required by Measure 14-3) and other interested parties to review and comment on this plan.</p>	<p>This measure is directed to Fisheries and Oceans Canada and the Tłıchǵovernment. Support is required from the developer. Reporting under Measure 14-1</p> <p>a) The developer is supporting the efforts of Fisheries and Oceans Canada (DFO) and the Tłıchǵovernment (T) in developing a Fisheries Management Plan (FMP) prior to the opening of the highway, expected in the fall of 2021. To date, the developer has reached out to both DFO and the TG and is communicating with DFO to determine how to successfully meet this measure.</p> <p>The TG has provided terms of reference for the TASR Fisheries Working Group, which includes a mandate, composition, activities and accountability, and administration. DFO, the T, the Community government of Whatı and the developer make up that working group. The group has not yet met formally.</p> <p>The developer has also reached out to the Wek'èezhì Renewable Resources Board as this Board will play a pivotal role in meeting the measure.</p> <p>As well, the FMP will be a standing item on the Corridor Working Group agenda so as to ensure interested parties can be updated and comment.</p> <p>b) The effectiveness of the actions taken to implement this measure cannot be assessed yet, as measure implementation is in the early planning stage.</p>

MEASURE		MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE
Cultural well-being			
Measure 9-1	<p>Monitoring harvest and managing wildlife to maintain successful harvest</p> <p>Part 1 Aboriginal harvest monitoring and reporting program</p> <p>Part 2 Use monitoring to inform management</p>	<p><u>9-1, Part 1: Aboriginal harvest monitoring and reporting program</u> To mitigate impacts on Aboriginal harvesters and to effectively inform management of wildlife populations in the area of the Project, GNWT-ENR will work together with the Tłıchǰ Government and Wek'èezhì Renewable Resources Board to develop and implement a non-mandatory Aboriginal harvest monitoring and reporting program. The harvest monitoring and reporting program will: a) focus on boreal caribou, barren-ground caribou and moose population trends in areas accessed by winter roads and trails from the Project; b) be community-based and involve collaboration between Tłıchǰ overnment and the developer; c) involve Traditional Knowledge holders and harvesters in monitoring wildlife harvesting trends; and, d) report on wildlife harvesting numbers and trends from monitoring checkpoints and/or other harvest monitoring methods annually to the Tłıchǰ overnment, Wek'èezhì Renewable Resources Board, GNWT-ENR and other wildlife co-management partners.</p> <p>The developer will fund this harvest monitoring and reporting related to the project. The harvest monitoring will meet the requirements of Appendix C.</p> <p><u>9-1, Part 2: Use monitoring to inform management</u> GNWT-ENR, in collaboration with the Tłıchǰ overnment and Wek'èezhì Renewable Resources Board, will consider wildlife management actions and mitigations based on the results of the monitoring above and the information collected by the GNWT's existing Resident Hunting Reporting Program, to help ensure sustainable Aboriginal harvesting of wildlife and report on monitoring results and management actions in the annual reviews of the Wildlife Management and Monitoring Plan.</p>	<p>This measure is directed at the GNWT-ENR, WRRB and the Tłıchǰ overnment , reporting under Measure 14-2</p> <p>a) NWT -ENR and the Tłıchǰ overnment participated in a community based monitoring workshop in February, 2019 that specifically foc used on Measure 9-1. ENR will continue to work with the Tłıchǰ overnment and will engage with other parties, including the Wek'èezhì Renewable Resource Board, on this measure.</p> <p>b) The effectiveness of the actions taken to implement this measure cannot be assessed yet, as measure implementation is in the early planning stage.</p>
Measure 9-2	Cultural sensitivity in work camps and communities	To mitigate the Project's impact on Tłıchǰ culture and well-being of Tłıchǰ residents, the developer will require that the P3 operator has culturally appropriate and specific policies in accordance with those set out by the Tłıchǰ overnment, NWT departments and federal government. The P3 operator will have policies and programs in place for employee cultural orientation, approved by the Tłıchǰ overnment, for all non -Tłıchǰ workers, including awareness of special cultural norms and practices.	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Cultural sensitivity orientation and training have been included in the new-hire orientation program. All new hires took the cultural sensitivity training prior to starting work. A re-training is mandatory for any employee who does anything contrary to the cultural sensitivity policy.</p> <p>Policies and training materials will be updated and reviewed as and when required, and whenever the project resumes construction after an extended shutdown.</p> <p>b) The effectiveness of the actions taken to implement this measure has thus far been successful as there have not been any cultural sensitivity complaints since the implementation of the policies.</p>

MEASURE		MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE
Measure 9-3	Include Traditional Knowledge from all relevant groups	<p>To mitigate impacts from the Project to culture and harvesting, the developer will incorporate Traditional Knowledge into the Project design and management from all Aboriginal groups that traditionally use the area. The developer will:</p> <p>a) support the collection of Traditional Knowledge related to traditional use, and compile it with information already acquired; b) thoroughly consider any Traditional Knowledge that is made available, and, where applicable, incorporate Traditional Knowledge into Project design, mitigations, monitoring and adaptive management; and, c) do this in a culturally-appropriate way that respects applicable Traditional Knowledge policies and protocols. The GNWT-ENR and Wek'èzhì Land and Water Board will consider these findings in the Wildlife Management and Monitoring Plan and in permitting.</p>	<p>This measure is directed primarily to the developer, reporting under Measure 14-1 (see below for Measure 14-2 reporting)</p> <p>a) The developer has received Traditional Knowledge Reports from The Tłıchǫ Government, NSMA, and YKDFN. These reports have been reviewed and information or concerns have been reflected in the Wildlife Management and Monitoring Plan (WMMP) where applicable. The Tłıchǫ All Season Road Corridor Working Group is another forum where Traditional Knowledge is provided as the project progresses. As per the Terms of Reference of the Corridor Working Group, Elders are invited to participate at the meetings.</p> <p>In the development of the draft Habitat Offset Plan, local Elders and Harvesters from Whatì and Behchokǫ attended two workshops. At these workshops Elders and Harvesters were presented with the concepts and possible strategies for offsetting, their opinions on these strategies were heard, as well as how they traditionally use the land in these areas, and they shared their knowledge of tǫdzı in these areas. The Traditional Knowledge provided was used to help create the draft Habitat Offset Plan.</p> <p>Throughout the construction, the developer and P3 operator will continue to seek Traditional Knowledge from IGOs where appropriate.</p> <p>b) The WMMP, draft Habitat Offset Plan, and project design have incorporated the Traditional Knowledge provided to INF. The actions taken thus far have been effective at incorporating the Traditional Knowledge into the design of the project, mitigation, and monitoring.</p> <p>This measure is directed primarily to the developer, but requires GNWT-ENR to consider the findings in the Wildlife Management and Monitoring Plan (WMMP) and in permitting. Reporting under 14-2</p> <p>a) Please see the update provided for Measure 10-2 (below).</p>

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MEASURE	MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE
Species at risk and wildlife, other than caribou		
Measure 10-1 Bird species at risk and migratory bird data, mitigation, monitoring and adaptive management Part 1 Pre-construction bird surveys Part 2 Mitigation Part 3 Monitoring and reporting Part 4 Adaptive management	<p><u>10-1, Part 1: Pre-construction bird surveys</u> The developer will conduct pre-construction field surveys of bird species at risk and migratory birds prior to disturbing potential habitat, including any clearing of the right-of way, quarry sites, camps, access routes, or other project infrastructure. The developer will consult with Environment and Climate Change Canada (ECCC) and GNWT-ENR about methods and timing for a field survey(s). The developer will conduct the survey using methods derived from peer-reviewed scientific literature and best practices.</p> <p><u>10-1, Part 2: Mitigation</u> The developer will use the results from surveys in 10-1 Part 1 to inform mitigations. The mitigations will help protect bird species at risk and migratory birds and ensure habitats and nesting sites are protected. For all project-related infrastructure and activities during the construction and operations phase, the developer will: a) use the information from the survey(s) to inform and adjust proposed mitigations; b) implement mitigations as described in its commitments table and its Wildlife Management and Monitoring Plan; c) implement additional mitigations to eliminate or reduce impacts, if warranted based on surveys; d) halt all disruptive activities, in consultation with ECCC, in an area if nests or young are discovered; and; e) determine and implement, in consultation with ECCC and GNWT-ENR, appropriate species-specific buffer zones or setbacks, until the young have naturally and permanently left the vicinity of the nest taking into consideration the intensity of the disturbance and the surrounding habitat.</p> <p><u>10-1, Part 3: Monitoring and reporting</u> The developer will: a) implement monitoring in section 5 and Appendix C of the Wildlife Management and Monitoring Plan and Chapter 14 of this report; b) monitor nests using non-intrusive search methods at quarry sites immediately prior to commencing any disruptive activities during the nesting period; and, c) report weekly and annually as described in section 6 of the Wildlife Management and Monitoring Plan, including findings of baseline surveys in 10-1 Part 1. Monitoring will meet the requirements of Appendix C.</p> <p><u>10-1, Part 4: Adaptive management</u> The developer will implement adaptive management as described in section 6 of the Wildlife Management and Monitoring Plan and following guidance in Appendix B of this report.</p>	<p>This measure is directed to the developer, but requires the developer consult with GNWT-ENR, reporting under Measure 14-1</p> <p>a) 10-1, Part 1: Pre-construction bird surveys: A Consultant, Golder Associates (Golder), was retained by the developer to undertake field surveys of bird species at risk and migratory birds. Golder consulted with Environment and Climate Change Canada (ECCC) and GNWT-ENR to develop a methodology and timeline for the survey. The consultations were carried out on April 18, May 11, and May 28, 2018. Based on the agreed-upon methodology and timeline, 60 Autonomous Recording Units (ARUs) were deployed between March 27-30, 2019 and were retrieved between July 3-6, and 11-12, 2019. In addition to the ARUs, 10 cameras were also set up along the alignment to capture wildlife and possibly human activities. The ARUs have been analyzed by avian biologists. A technical report has been written and has been provided to ENR for their review. Once the developer receives ENR's comments, the report will be submitted to ECCC.</p> <p>10-1, Part 2: Mitigation: Golder provided a technical memo detailing how the results of the bird surveys could inform mitigations for the Tłı̄ch̄o All-Season Road. As part of the technical memo, a thorough review of the mitigation measures proposed in the current Wildlife Management and Monitoring Plan (WMMP) was completed. The report concluded that adequate mitigation measures for birds, under GNWT-ENR's authority, have been included in the current WMMP.</p> <p>One new mitigation measure has been recommended as a result of the information gathered from the bird survey, which is to create a suitable alternative habitat for bank swallows if they are found to be nesting in any Project stockpiles. This recommendation is currently under consideration. Results from the survey also reinforce the importance of the road alignment following the existing Old Airport Road.</p> <p>10-1, Part 3: Monitoring and reporting: Monitoring programs are currently being implemented and weekly reports are generated.</p> <p>10-1, Part 4: Adaptive management: The WMMP has an Adaptive Management component, which is being updated as and when necessary and being implemented to protect birds under GNWT-ENR's authority. As the needs for Adaptive Management are realized throughout construction and operation, changes to the WMMP will be addressed and incorporated as appropriate.</p> <p>b) The bird survey report has provided a new recommendation for a mitigation measure as a result of the survey. The effectiveness of the other aspects of this measure is yet to be realized, as construction has been ongoing for approximately a month and a half. As construction continues, monitoring results and reporting will inform the effectiveness of the implementation actions at avoiding or reducing harm.</p> <p>This measure is directed to the developer, but requires the developer consult with GNWT-ENR. Reporting under Measure 14-2</p> <p>GNWT-ENR provided the developer with advice regarding methods and timing for a field survey(s) prior to the start of construction. The GNWT-ENR requested, as part of the approval of the developer's Wildlife Management and Monitoring Plan, that the full report of the pre-construction field surveys outlining the results for the second half of the road right of way for rusty blackbird and short eared owl be provided to the GNWT-ENR, by the developer, within 30 days of starting construction. The developer provided the full report on October 1, 2019. ENR will review the report to determine if additional mitigations to eliminate or reduce impacts are warranted based on the results of the surveys.</p>

MEASURE	MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE																																																																																																																																												
<p>Measure 10-2</p> <p>Wildlife Management and Monitoring Plan approval, annual review and reporting</p> <p>Part 1 WMMP update prior to permitting</p> <p>Part 2 WMMP update during permitting</p> <p>Part 3 Annual review of the WMMP during construction and operations.</p>	<p><u>10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting</u> The developer will update its Wildlife Management and Monitoring Plan prior to permitting to include the developer's commitments and Review Board's measures from this Report of Environmental Assessment.</p> <p>Prior to permitting, the developer will, where appropriate, include Traditional Knowledge from all Aboriginal groups that harvest in the area on ways to mitigate, monitor and adaptively manage impacts from the Project to wildlife.</p> <p><u>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting</u> During permitting, the developer will involve Environment and Climate Change Canada, NWT -ENR, Wek'èezhì Renewable Resources Board, Tłı̨chǫ overnment and Aboriginal groups that harvest in the area, in developing an updated Wildlife Management and Monitoring Plan. Monitoring will meet the requirements of Appendix C.</p> <p>When updating the Wildlife Management and Monitoring Plan, the developer will, where appropriate, include Traditional Knowledge from all Aboriginal groups that harvest in the area on ways to mitigate, monitor, and adaptively manage impacts from the Project to wildlife. The Wildlife Management and Monitoring Plan will be updated based on the results of available surveys and monitoring, such as caribou, bird (Measure 10-1), and moose surveys.</p> <p>The Wildlife Management and Monitoring Plan will require that construction activities, including clearing, consider sensitive wildlife periods, for example nesting periods of migratory birds.</p> <p><u>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations</u> GNWT-ENR will require annual public review of the Wildlife Management and Monitoring Plan and make publicly viewable:</p> <ul style="list-style-type: none"> • recommendations from parties; • responses on how recommendations were incorporated; and, • reasons for recommendations which were not incorporated. 	<p>This measure is directed primarily to the developer, but requires GNWT-ENR involvement. Reporting under Measure 14-1 (see below for reporting under Measure 14-2)</p> <p>a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: Following the WLWB comments and the public comments, the WMMP has undergone several edits and iterations, both prior to and after permits have been issued. Version 3.3 of the WMMP was approved by ENR on August 30, 2019. In its August 23, 2019 Reasons for Decision, the WLWB did not approve the Version 3.3 and directed that Version 3.4 be submitted prior to the commencement of construction. Complying with the directives of the WLWB, Version 3.4 of the WMMP was submitted to the WLWB on August 30, 2019.</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: During the permitting, the developer worked collaboratively with Environment and Climate Change Canada, NWT -ENR, Wek'èezhì Renewable Resources Board, Tłı̨chǫ overnment and Indigenous groups and harvesters to develop an updated WMMP.</p> <p>Traditional knowledge (TK) was provided by The Tłı̨chǫ overnment and the Yellowknives Dene First Nations. The TK was incorporated into the WMMP with respect to caribou, and will also be incorporated into a Caribou Habitat Offset Plan.</p> <p>The Wildlife Management and Monitoring Plan has identified sensitive wildlife periods and construction activities are scheduled outside these sensitive periods.</p> <p>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: During the Construction and Operations Phase, the Wildlife Management and Monitoring Plan will be reviewed and, if required, revised at least annually and potentially more frequently taking into account changes in the law, environmental factors, monitoring results, developer and North Star Infrastructure policies. GNWT will provide the WMMP, with any proposed changes, for public review and will make the WMMP publicly available. As noted above, the WMMP was reviewed and approved on August 23, 2019. The next annual public review of the Wildlife Management and Monitoring Plan will take place in August 2020.</p> <p>Environmental Monitors are using binoculars for wildlife sightings as outlined in the WMMP. The table below is an example of the wildlife sightings as reported in the weekly report:</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Time</th> <th>Location</th> <th>Wildlife</th> <th>Number</th> </tr> </thead> <tbody> <tr><td>03-Sept-19</td><td>9: 25 am</td><td>Near waste Bins</td><td>Common Raven</td><td>1</td></tr> <tr><td>04-Sept-19</td><td>12 00 pm</td><td>Km 15</td><td>Cougar</td><td>1</td></tr> <tr><td>05-Sept-19</td><td>1:00 pm</td><td>Km 20</td><td>Black Bear</td><td>1</td></tr> <tr><td>05-Sept-19</td><td>5:34 pm</td><td>Km 11</td><td>Red Squirrel</td><td>1</td></tr> <tr><td>06-Sept-19</td><td>12:30 pm</td><td>Km 12</td><td>Sharp-tailed Grouse</td><td>1</td></tr> <tr><td>07-Sept-19</td><td>8:17 am</td><td>Km 4.5</td><td>Wood Bison</td><td>10</td></tr> <tr><td>07-Sept-19</td><td>9:32 am</td><td>Km 12</td><td>Wood Bison tracks</td><td>1</td></tr> <tr><td>07-Sept-19</td><td>9:38 am</td><td>Km 18</td><td>Dark-eyed Juncos</td><td>30</td></tr> <tr><td>07-Sept-19</td><td>11:00 am</td><td>Km 7.5</td><td>Black Bear</td><td>3 – Sows with 2 cubs</td></tr> <tr><td>07-Sept-19</td><td>3:30 pm</td><td>Km 4.5</td><td>Wood Bison</td><td>1</td></tr> <tr><td>07-Sept-19</td><td>6:30 pm</td><td>Km 0</td><td>Wolf</td><td>1</td></tr> <tr><td>08-Sept-19</td><td>10:23 am</td><td>Km 17.5</td><td>Black Bear</td><td>1</td></tr> <tr><td>13-Sept-19</td><td>6:30 am</td><td>Km 0</td><td>Wolf</td><td>1</td></tr> <tr><td>13-Sept-19</td><td>10:30 am</td><td>Km 11</td><td>Wood Bison</td><td>1</td></tr> <tr><td>16-Sept-19</td><td>2:00 pm</td><td>Km 18</td><td>Moose</td><td>1</td></tr> <tr><td>18-Sept-19</td><td>7:30 am</td><td>Km 17</td><td>Wood Bison</td><td>1</td></tr> <tr><td>19-Sept-19</td><td>7:45 am</td><td>Km 1.3</td><td>Wood Bison</td><td>1</td></tr> <tr><td>21-Sept-19</td><td>11:00 am</td><td>Km 7</td><td>Wood Bison</td><td>1</td></tr> <tr><td>21-Sept-19</td><td>7:15 am</td><td>Km 1.5</td><td>Lynx</td><td>1</td></tr> <tr><td>23-Sept-19</td><td>8:30 am</td><td>Km 18</td><td>Wood Bison</td><td>1</td></tr> <tr><td>24-Sept-19</td><td>11: 55 am</td><td>Km 16</td><td>Common Raven</td><td>1</td></tr> <tr><td>26-Sept-19</td><td>4: 40 pm</td><td>Km 6.3</td><td>Moose</td><td>1</td></tr> <tr><td>27-Sept-19</td><td>9: 46 am</td><td>Km 7</td><td>Moose</td><td>1</td></tr> <tr><td>28-Sept-19</td><td>7: 00 pm</td><td>Km 8</td><td>Great Grey Owl</td><td>1</td></tr> <tr><td>29-Sept-19</td><td>9: 05 am</td><td>Km 2</td><td>Common Raven</td><td>1</td></tr> <tr><td>30-Sept-19</td><td>12: 17 pm</td><td>Km 7</td><td>Moose</td><td>1</td></tr> <tr><td>30-Sept-19</td><td>12: 30 pm</td><td>Km 7.5</td><td>Canada Jay</td><td>1</td></tr> </tbody> </table> <p>This measure is directed primarily to the developer, but requires GNWT-ENR involvement, reporting under Measure 14-2.</p> <p>The GNWT-ENR was involved in developing an updated Wildlife Management and Monitoring Plan, as per Measure 10-2, Part 2. The GNWT-ENR will require annual public review of the Wildlife Management and Monitoring Plan as outlined in Measure 10-2, Part 3 and as stated in the measure reporting under 14-1, above. The Wildlife Management and Monitoring Plan, version 3.3 was approved by the GNWT-ENR on August 30, 2019.</p>	Date	Time	Location	Wildlife	Number	03-Sept-19	9: 25 am	Near waste Bins	Common Raven	1	04-Sept-19	12 00 pm	Km 15	Cougar	1	05-Sept-19	1:00 pm	Km 20	Black Bear	1	05-Sept-19	5:34 pm	Km 11	Red Squirrel	1	06-Sept-19	12:30 pm	Km 12	Sharp-tailed Grouse	1	07-Sept-19	8:17 am	Km 4.5	Wood Bison	10	07-Sept-19	9:32 am	Km 12	Wood Bison tracks	1	07-Sept-19	9:38 am	Km 18	Dark-eyed Juncos	30	07-Sept-19	11:00 am	Km 7.5	Black Bear	3 – Sows with 2 cubs	07-Sept-19	3:30 pm	Km 4.5	Wood Bison	1	07-Sept-19	6:30 pm	Km 0	Wolf	1	08-Sept-19	10:23 am	Km 17.5	Black Bear	1	13-Sept-19	6:30 am	Km 0	Wolf	1	13-Sept-19	10:30 am	Km 11	Wood Bison	1	16-Sept-19	2:00 pm	Km 18	Moose	1	18-Sept-19	7:30 am	Km 17	Wood Bison	1	19-Sept-19	7:45 am	Km 1.3	Wood Bison	1	21-Sept-19	11:00 am	Km 7	Wood Bison	1	21-Sept-19	7:15 am	Km 1.5	Lynx	1	23-Sept-19	8:30 am	Km 18	Wood Bison	1	24-Sept-19	11: 55 am	Km 16	Common Raven	1	26-Sept-19	4: 40 pm	Km 6.3	Moose	1	27-Sept-19	9: 46 am	Km 7	Moose	1	28-Sept-19	7: 00 pm	Km 8	Great Grey Owl	1	29-Sept-19	9: 05 am	Km 2	Common Raven	1	30-Sept-19	12: 17 pm	Km 7	Moose	1	30-Sept-19	12: 30 pm	Km 7.5	Canada Jay	1
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Permafrost			
Measure 11-1	Permafrost Management Plan	<p>To minimize permafrost degradation and prevent associated significant adverse impacts on the environment from the Project during construction and operation of the Project, the developer will develop and implement a permafrost management plan for construction and maintenance of the Project. The plan will be submitted for review and approval to the Wek'èezhì Land and Water Board prior to construction.</p> <p>This plan will include monitoring (following the requirements in Appendix C) and adaptive management (following the requirements in Appendix B). It will incorporate the recommendations made by Natural Resources Canada during the environmental assessment process as well as recommendations from the working group (Measure 14-3).</p> <p>The developer will incorporate any relevant information from the permafrost management plan into ongoing monitoring and adaptive management during Project operations.</p>	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The Permafrost Management Plan was prepared by the developer and submitted to the WLWB on January 7, 2019 with the reapplication package following the Environmental Assessment. The WLWB provided further direction on the Permafrost Management Plan on April 17, 2019 based on the comments received on the Online Review System. INF submitted a revised version of the Permafrost Management Plan on July 19, 2019, which was approved by the WLWB on August 23, 2019. The recommendations from ECCC were included in the Permafrost Management Plan. Permafrost was briefly discussed at the TASR CWG, however no recommendations were provided at the June 24, 2019 meeting. The meeting minutes will be made available to the public when they have been approved by the TASR CWG at the next meeting.</p> <p>As per requirements of the Permafrost Management Plan, both winter readings and summer readings are needed annually. The winter readings were taken between April 1 and April 8, 2019 and the summary report was presented to the WLWB. The developer is currently planning to conduct a summer reading of the thermistors. At that time the developer will also flag the thermistor cables with flagging tape to try to protect the thermistors from any damage that may occur during construction, ensuring future readings can be taken to monitor the permafrost and inform adaptive management.</p> <p>b) As construction has been ongoing for approximately a month and a half, the effectiveness of the implementation actions are yet to be seen. The results of the thermistor readings will help determine whether the mitigations used are effective at reducing the impacts to permafrost.</p>
Adaptive management, follow-up, and monitoring			
Measure 14-1	Annual reporting from the developer	<p>To demonstrate how measures are being implemented and to evaluate the effectiveness of the developer's efforts to prevent or minimize impacts on the environment, the developer will, throughout all phases of the development, prepare an annual report on the implementation of measures. The report will address the measures that the developer is responsible for and will:</p> <p>a) describe the actions, including actions implemented through adaptive management, being undertaken to implement the measures; and,</p> <p>b) evaluate how effective the implementation actions are in reducing or avoiding the impact (considering the results of monitoring programs and adaptive management frameworks). Where applicable, provide references to further information contained in other management plans or monitoring reports.</p> <p>The developer will provide its annual report to the Review Board one year from the date of the final approval of this Report of Environmental Assessment, and annually thereafter.</p>	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>The GNWT has interpreted GNWT-INF and the North Star Infrastructure Project Company as being the developer for the purposes of Measure 14-1 annual reporting.</p> <p>The reporting requirement from the developer falls under the Environmental Assessment (EA) Measure 14-1, which comprises of the following EA Measures:</p> <ol style="list-style-type: none"> 1. Measure 5-1 2. Measure 5-2 3. Measure 5-3 4. Measure 5-4 5. Measure 5-5 6. Measure 5-6 7. Measure 5-7 8. Measure 6-3 9. Measure 7-1 10. Measure 8-1 11. Measure 9-2 12. Measure 9-3 13. Measure 10-1 14. Measure 10-2 15. Measure 11-1 16. Measure 14-1

MEASURE	MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE
Measure 14-2 Annual reporting from government and regulatory authorities	<p>To help evaluate the effectiveness of mitigation measures for the protection of the environment, each regulatory authority or government that is wholly or partly responsible for implementation of any measure in this Report of Environmental Assessment will prepare an annual report on implementation of measures. The report will:</p> <p>a) describe the actions being undertaken to implement the measures or the part(s) of the measures for which the regulatory authority or government is responsible; and, b) explain how these actions, including those implemented through adaptive management, fulfill the intent of the EA measures, including consideration of the following questions: i. How are implementation actions addressing a likely significant adverse impact on the environment? ii. How effective are implementation actions at reducing or avoiding the impact or its likelihood?</p> <p>Government and regulators are only responsible for reporting on the implementation actions they take, not actions taken by the developer. For example, if a regulator does not issue an authorization, provide direction to the developer, approve a management plan, or take other actions that relate to an EA measure(s) in a given year, the regulator will not need to submit a report for that year.</p> <p>The governments and regulators will provide their annual reports to the Review Board one year from the date of the final approval of this Report of Environmental Assessment, and annually thereafter.</p>	<p>This measure is directed to the GNWT, reporting under Measure 14-2</p> <p>The following Measures fall under the reporting requirements of Measure 14-2 for the Government and Regulatory Authorities:</p> <ol style="list-style-type: none"> 1. Measure 5-2 2. Measure 6-1 3. Measure 6-2 4. Measure 6-3 5. Measure 7-2 6. Measure 9-1 7. Measure 10-2 8. Measure 14-1
Measure 14-3 Project working group	<p>The developer will establish the Tłıchǰ All-Season Road Corridor Working Group by:</p> <ul style="list-style-type: none"> • funding the Tłıchǰ overnment, Wek'èezhì Renewable Resources Board, Yellowknives Dene First Nation and North Slave Métis Alliance to participate in twice annual working group meetings, one of which will annually take place in Whatì; • requiring the participation of the P3 operator; and, • inviting Tłıchǰ Elders to participate. <p>The developer will make meeting minutes publicly available. The developer will maintain the working group throughout the Project construction phase and for five years of Project operations, unless an extended term is agreed to by parties.</p>	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The Tłıchǰ All-Season Road Corridor Working Group (TASR CWG) was formed in May 2019. It is made up of representatives from the following interested parties:</p> <ul style="list-style-type: none"> • The Tłıchǰ overnment • Yellowknives Dene First Nations • North Slave Métis Alliance • Prince of Wales Northern Heritage Centre • Community Government of Whatì • Community overnment of Behchokǰ • Wek'èezhì Renewable Resources Board • Wek'èezhì Land and Water Board • Environmental and Natural Resources • Department of Lands • Department of Infrastructure • Department of Finance • Fisheries and Oceans Canada • Environment and Climate Change Canada • North Star Infrastructure • Associated Engineering • Golder Associates <p>The group held its first meeting in Whatì on June 24, 2019, chaired by the Regional Superintendent of the Department of Infrastructure. The draft meeting minutes have been prepared and were distributed to all TASR CWG members for comments on August 6, 2019. Comments have been received and the final meeting minutes are ready for adoption at the next meeting before being made publicly available on GNWT-INF's project website. The next meeting will be held on December 11, 2019 at Behchokǰ.</p> <p>b) Implementation of the CWG has been successful thus far. The first TASR CWG meeting occurred before construction started so there was minimal discussion in terms of Adaptive Management. The success of the TASR CWG in helping to avoid or reduce impacts through Adaptive Management will continue to be seen through the upcoming meetings.</p>

MEASURE		MEASURE SPECIFICS	DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE
Measure 14-4	P3 operator agreement	To ensure that all applicable and relevant commitments of the developer and measures directed at the developer are carried out during the construction and operation phases of the Project, the developer will formalize and include these commitments and measures in its final contract with the P3 operator.	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) This measure has been fulfilled. The Project Agreement between the GNWT-INF and North Star Infrastructure captures the legal requirements to satisfy the commitments and measures resulting from the environmental assessment. Schedule 19 (Environmental Obligations) and Schedule 1 (Definitions and Interpretation) would be some of the more relevant sections that satisfy this measure. The Project Agreement is available on GNWT-INF's Project website (https://www.inf.gov.nt.ca/sites/inf/files/content/tasr_-_project_agreement_final_redacted_version.pdf).</p> <p>b) The implementation of the Project Agreement has been fulfilled, as both parties have signed and entered into the agreement. The status and fulfillment of the commitments outlined within the Project Agreement are closely monitored by GNWT-INF.</p>

<p><u>Various Acronyms:</u> Developer = GNWT-INF with NSI (P3 Contractor) where applicable GNWT = Regulatory Authority/Responsible Minister ECCC = Environment and Climate Change Canada ENR = GNWT – Environment and Natural Resources INF = GNWT – Infrastructure</p>	<p>REA = Report of Environmental Assessment TK = traditional knowledge WLWB = Wek'èezhì Land and Water Board WMMP = Wildlife Management and Monitoring Plan GNWT = Government of Northwest Territories</p>	<p>AE = Associated Engineering YKDFN = Yellowknives Dene First Nation T = Tłı̨cho overnment NSMA = North Slave Métis Alliance TASR = Tłı̨chq All-Season Road</p>
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DRAFT



Oct 23 2020

BY EMAIL

Mr. Mark Cliffe-Phillips
Executive Director
Mackenzie Valley Environmental Impact Review Board
200 Scotia Centre
PO BOX 938
YELLOWKNIFE NT X1A 2N7

Dear Mr. Cliffe-Phillips:

Government of the Northwest Territories' 2019 annual environmental assessment measures report for the Tłıchǵ All-season Road Project (EA1617-01, Measures 14-1 and 14-2)

On behalf of the Government of the Northwest Territories (GNWT), we are pleased to provide the second annual environmental assessment measures report (the Annual Report) for the Tłıchǵ All-season Road Project. The 2019 Annual Report describes the implementation of measures directed to the developer (Measure 14-1) and to the GNWT (Measure 14-2), as required by EA1617-01. Where the measures are directed to the developer, the Department of Infrastructure (INF) has provided the response; where the measures are directed to the GNWT or specific departments within the GNWT, departments with mandates related to the measure have provided the response.

The attached Annual Report lists all measures as adopted by the responsible ministers and Tłıchǵ Government and summarizes the GNWT action to date, along with links to relevant documents. Suggestions from EA1617-01 directed to the developer or the GNWT are being considered as appropriate. These suggestions are not captured in the attached 2019 Annual Report.

The GNWT and the Tłıchǵ Government shared their respective reports at the staff level for review before submission to the Mackenzie Valley Environmental Impact Review Board. Tłıchǵ Government staff had no comments on our report.

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Change to Reporting Period

For the 2019 Annual Report, the GNWT has chosen to report on activities subject to the measures between October 1, 2019 and September 30, 2020. For next year's 2020 Annual Report, the GNWT will be shifting the reporting period to cover activities between August 1, 2020 and July 31, 2021. The Annual Report will still be submitted by the October 25 deadline. In order to facilitate a more thorough internal review process, changes to the reporting period were necessary. All subsequent annual reports will be submitted in October, but the reporting period will start in August and end in July of the following year.

Should the Mackenzie Valley Environmental Impact Review Board or any parties have any questions, please contact Katie Rozestraten, Project Assessment Analyst, by email at Katie_Rozestraten@gov.nt.ca or Benjamin Bey, Environmental Analyst, by email at Benjamin_Bey@gov.nt.ca or by phone at (867) 767-9083 (Ext. 31058).

Sincerely,



Lorraine Seale
Director, Securities and
Project Assessment
Department of Lands



Ziaur Rahman
Manager, Surface Design and
Construction
Department of Infrastructure

Attachment

c. Mr. Adrian Paradis, Senior Project Manager, Northern Projects Management Office

Ms. Karin Clark, A/Director of Wildlife, Environment and Natural Resources

Mr. Julian Kanigan, Director, Environmental Stewardship and Climate Change

Mr. Zabey Nevitt, Senior Advisor, Sustainability and Resource Management, Tłı̨chǫ Government

Tłıchǫ All-Season Road: GNWT Annual Environmental Assessment Measures Report

This tabular report summarizes the Government of the Northwest Territories' (GNWT) 2019-2020 performance on twenty-three Tłıchǫ All-Season Road (TASR, the Project) environmental assessment measures (EA 1617-01). Reporting is made on behalf of the GNWT, both as the developer (Measure 14-1) and as Government and Regulatory Authorities (Measure 14-2). For reference, the reporting period spans from October 1, 2019 to September 30, 2020.

The measures that stipulated annual reporting be provided to the Mackenzie Valley Environmental Impact Review Board (the Review Board) are as follows:

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-1	Annual reporting from the developer	<p>To demonstrate how measures are being implemented and to evaluate the effectiveness of the developer's efforts to prevent or minimize impacts on the environment, the developer will, throughout all phases of the development, prepare an annual report on the implementation of measures. The report will address the measures that the developer is responsible for and will:</p> <p>a) describe the actions, including actions implemented through adaptive management, being undertaken to implement the measures; and, b) evaluate how effective the implementation actions are in reducing or avoiding the impact (considering the results of monitoring programs and adaptive management frameworks). Where applicable, provide references to further information contained in other management plans or monitoring reports.</p> <p>The developer will provide its annual report to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>
Measure 14-2	Annual reporting from government and regulatory authorities	<p>To help evaluate the effectiveness of mitigation measures for the protection of the environment, each regulatory authority or government that is wholly or partly responsible for implementation of any measure in this <i>Report of Environmental Assessment</i> will prepare an annual report on implementation of measures. The report will:</p> <p>a) describe the actions being undertaken to implement the measures or the part(s) of the measures for which the regulatory authority or government is responsible; and, b) explain how these actions, including those implemented through adaptive management, fulfill the intent of the EA measures, including consideration of the following questions: i. How are implementation actions addressing a likely significant adverse impact on the environment? ii. How effective are implementation actions at reducing or avoiding the impact or its likelihood?</p> <p>Government and regulators are only responsible for reporting on the implementation actions they take, not actions taken by the developer. For example, if a regulator does not issue an authorization, provide direction to the developer, approve a management plan, or take other actions that relate to an EA measure(s) in a given year, the regulator will not need to submit a report for that year.</p> <p>The governments and regulators will provide their annual reports to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>

DESCRIPTION OF HOW MEASURES ARE BEING SATISFIED AND UNDER WHICH MEASURE (14-1 OR 14-2) THE REPORT IS BEING MADE

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-1	<p>Developer's support of monitoring and adaptive management of adverse health and well-being impacts</p> <p>Part 1 Monitor adverse health and well-being impacts to the Community of Whatì</p> <p>Part 2 Reporting</p> <p>Part 3 Adaptive management and re-evaluation</p>	<p><u>5-1. Part 1: Monitoring adverse health and well-being impacts to the Community of Whatì</u> To inform mitigation of significant cumulative and project-specific adverse impacts on the health and well-being of the Community of Whatì, the developer will support the Tłıchq Government and Community Government of Whatì in the monitoring and evaluation of direct and indirect impacts of the Project on the health and well-being of the Community of Whatì. These will include:</p> <ul style="list-style-type: none"> the anticipated initial spike in harmful behaviours associated with increased access to drugs and alcohol; traffic accidents on the road; change in safety of young women and other vulnerable groups; and, change in harvest success rates and availability of country foods in Whatì. <p>Monitoring will meet the requirements of Appendix C.</p> <p><u>5-1. Part 2: Reporting</u> The developer will support the Tłıchq Government and Community Government of Whatì in preparing an annual progress report on their efforts to mitigate impacts on health and well-being to the Community of Whatì.</p> <p><u>5-1 Part 3: Adaptive management and re-evaluation</u> The developer, in collaboration with the Tłıchq Government and Community Government of Whatì, will support the adaptive management of health and well-being impacts, following guidance in Appendix B.</p> <p>The developer will support the Tłıchq Government and Community Government of Whatì, in the monitoring, engagement, reporting and adaptive management described in this measure for each year of construction and for a minimum of ten years of Project operations.</p>

DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE

2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS
<p>This Measure is directed to the developer, reporting under Measure 14-1</p> <p>a) 5-1 Part 1: Monitoring adverse health and well-being impacts to Whatì: The Tłıchq All-Season Road is in the early phases of construction, with all permitting requirements being obtained in early September. As the road is only just being constructed, direct and indirect impacts of the Project on the health and well-being of the Community of Whatì are not anticipated at this time. The developer is, in preparation for completion of the construction of the road, working with and supporting the Tłıchq Government and the Community Government of Whatì as they prepare for road opening. The Tłıchq Government (TG) hosted a three-day Measure Review and Implementation Planning Workshop in January 2019, which was attended by staff from the Tłıchq Government (TG), the Government of the Northwest Territories (GNWT), Tłıchq Community Services Agency (TCSA), and the Community Governments of Behchokò and Whatì (CGB & CGW). During this meeting, a session was held to discuss socio-economic, health and way of life monitoring and reporting under measures 5-1 and 5-2. A key outcome from this session was the joint commitment of the parties to create the Health and Well-being Working Group for the TASR. The primary objective of this group is to cooperatively develop the health and well-being indicators, including thresholds and adaptive management plans relating to impacts from the TASR. The group will use a cooperative approach to come to a clear understanding of, approach to, and development of monitoring, evaluation, and reporting of indicators related to Measures 5-1 and 5-2. A draft Terms of Reference was developed in April 2019 and shared with all working group members, including staff from the TG, TCSA, GNWT departments of Health and Social Services (HSS) and Infrastructure (INF), CGB and CGW. The first meeting of the working group was held in April 2019.</p> <p>5-1 Parts 2 and 3: Reporting and adaptive management: Annual progress reports and adaptive management of the health and well-being impacts of the road on the Community of Whatì have not been initiated to date, given that the road is not yet constructed and open to the public. The developer will, once the road is open, support the Tłıchq Government and Community Government of Whatì in preparing an annual progress report. The developer will also support the TG and CGW in the adaptive management of health and well-being impacts.</p> <p>b) The effectiveness of the implementation actions cannot be fully assessed in this Annual Report, as measure implementation is in the early planning stages.</p>	<p>This Measure is directed to the developer, reporting under Measure 14-1</p> <p>a) 5-1 Part 1: Monitoring adverse health and well-being impacts to Whatì: The developer has and will continue to provide funding for the implementation and adaptive management of the framework to monitor any health and well-being impacts associated with the road. 5-1 Parts 2 and 3: Reporting and adaptive management: The developer will continue to collaborate with the TG, CGW, CGB, TCSA and GNWT as the monitoring framework is finalized and a schedule for public engagement and reporting is finalized. Following implementation, the plan will be monitored and reviewed for adaptive management, if necessary.</p> <p>b) It is too early to determine the effectiveness of the actions taken as the plan has not yet been fully implemented. The developer is supportive of the approach that has been taken by the TG, CGW and GNWT-HSS on the implementation process.</p>

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-2	<p>Tłchq monitoring, engagement and reporting of adverse health and well-being impacts</p> <p>Part 1 Tłchq monitoring of adverse health and well-being impacts</p> <p>Part 2 Public engagement</p> <p>Part 3 Reporting</p>	<p><u>5-2, Part 1: Tłchq monitoring of adverse health and well-being impacts</u> The Tłchq Government, Government of the Northwest Territories, Tłchq Community Services Agency and Community Government of Whatì, with the support of the developer, will establish and implement a framework to monitor and evaluate health and well-being impacts associated with the road, and will adaptively manage health and well-being impacts as described in Measure 5-1 and following guidance in Appendices B and C, for each year of construction and for a minimum of ten years of operations. Following ten years of Project operations, the Community Government of Whatì, Government of the Northwest Territories, Tłchq Community Services Agency and Tłchq Government in collaboration with the developer, will re-evaluate the need for, and frequency of, monitoring, engagement, reporting and adaptive management. If the monitoring of harvest success rates and availability of country foods in Whatì (in Measure 5-1, Part 1, above) indicates a declining trend in harvest success and the consumption of country foods, the Tłchq Government and the Community Government of Whatì will develop and implement a strategy to address the decline in the availability of country foods for those most affected.</p> <p><u>5-2, Part 2: Public engagement</u> The Tłchq Government, Government of the Northwest Territories, Tłchq Community Services Agency and Community Government of Whatì, with the participation of the developer and the P3 operator, will meet with the residents of Whatì at least once per year to discuss: a) priority health and well-being impacts at the individual, family and community level related to the Project; b) the effectiveness of programs or mitigations used to address these impacts; and, c) the need to adjust programs or implement additional mitigations.</p> <p><u>5-2, Part 3: Reporting</u> The Tłchq Government, Government of the Northwest Territories, Tłchq Community Services Agency and Community Government of Whatì, with the support of the developer, will prepare and make publicly available an annual progress report on their efforts to mitigate impacts on health and well-being to the Community of Whatì. The report will describe engagement, current management and plans for future adaptive management. The findings of the report will be presented to the residents of Whatì, provided to the Whatì Inter-Agency Committee and provided to the Tłchq All-Season Road Corridor Working Group (see Measure 14-3).</p>

DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE

2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS
<p>This Measure is directed at the Tłchq Government, TCSA and whole of the GNWT (with support of the developer). As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1 a) The developer attended the three-day workshop hosted by the Tłchq Government (TG) and is a member of the Health and Well-being Working Group. The developer also reviewed the Terms of Reference for the group, distributed in April 2019. The developer will be providing funding for the implementation of monitoring of any health and well-being impacts, and will continue to be a participant of the Health and Well-being Working Group. b) The effectiveness of the implementation actions has yet to be seen as the project is in the early stages of implementation.</p> <p>Reporting under Measure 14-2 a) As noted under Measure 5-1, the Tłchq Government (TG) hosted a three-day Measure Review and Implementation Planning Workshop in January 2019, which was attended by staff from the Tłchq Government (TG), the Government of the Northwest Territories (GNWT), Tłchq Community Services Agency (TCSA), and the Community Governments of Behchokq and Whatì (CGB & CGW). During this meeting, a session was held to discuss socio-economic, health and way of life monitoring and reporting requirements under measures 5-1 and 5-2. A key outcome from this session was the joint commitment of the parties to create the Health and Well-being Working Group for the TASR. The primary objective of this group is to cooperatively develop the health and well-being indicators, including thresholds and adaptive management plans relating to impacts from the TASR. The group will use a cooperative approach to come to a clear understanding of, approach to, and development of monitoring, evaluation, and reporting of indicators related to Measures 5-1 and 5-2. A draft Terms of Reference was developed in April 2019 and shared with all working group members, including staff from the TG, TCSA, GNWT departments of Health and Social Services (HSS) and Infrastructure (INF), CGB and CGW. The first meeting of the working group was held in April 2019. In addition to this meeting, the Department of Health and Social Services (HSS) met with the TCSA to have a preliminary discussion on territorial and regional health data, services, and programs and potentially related mitigations as well as current or anticipated actions that can support this work. In May 2019, the departments of HSS, Justice (JUS), and Education, Culture and Employment (ECE) attended the Whatì Interagency Committee meeting with other GNWT departments, the TG, and community members. At the Whatì Interagency Committee meeting the approach to implementing the measure as well</p>	<p>This Measure is directed at the Tłchq Government, TCSA and whole of the GNWT (with support of the developer). As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1 a) The developer has and will continue to provide funding for the implementation and adaptive management of the framework to monitor any health and well-being impacts associated with the road. The developer will continue to collaborate with the TG, CGW, CGB, TCSA and GNWT as the monitoring framework is finalized and a schedule for public engagement and reporting is finalized. b) It is too early to determine the effectiveness of the implementation actions. The developer is supportive of the approach that has been taken by the TG, CGW and GNWT-HSS on the implementation process.</p> <p>Reporting under Measure 14-2 a) The regulatory partners are currently working together to review and agree upon indicators, thresholds to assess change, and effective and responsive mitigations for this measure. GNWT-HSS met with TCSA to discuss the project, current health and social issues in the impacted communities, and progress on the monitoring and mitigation plan in August and September 2020. HSS met with TG and the Community Government of Whatì (CGW) working group members in September 2020 to review and assess preliminary data, identify further information required, identify program areas and mitigation areas to be investigated and receive critical feedback and guidance. Follow-up meetings with the TCSA, TG and CGW are currently scheduled for end of September and will focus on updates for baseline data as well as information from program areas. b) The regulatory bodies are working together to ensure that impacts to well-being can be tracked, monitored and mitigated effectively. It is too early to identify, assess or mitigate significant adverse impacts from the project. HSS anticipates that with continued close engagement with the TG, CGW, the Community Government of Behchokq and the TCSA, a fulsome and responsive monitoring and adaptive management framework can be agreed upon in the coming months. This plan will also need to consider the exceptional activities and impacts incurred from COVID-19.</p>

as potential sources of data were discussed. At this meeting, JUS and ECE joined the working group to support the cooperative approach of all parties as it relates to their mandate areas. Working Group meetings will continue throughout 2019 and 2020 to cooperatively develop the monitoring and mitigation framework and identify needs and appropriate indicators of health and well-being. HSS has assembled preliminary health and wellness indicators and data to be considered and discussed in the next Working Group meeting and to receive feedback on where more information may be needed. Some of these include but are not limited to: baseline information on alcohol and drug hospitalizations, data related to emergency department visits, data related to children receiving services, chronic diseases and infections.

JUS has committed to supporting the monitoring of adverse health and well-being effects of the TASR to the Community of Whatì by participating in post-EA processes and providing data that it, or its partner, the RCMP, tracks, where appropriate. With respect to the "anticipated initial spike in harmful behaviours associated with increased access to drugs and alcohol", JUS will provide information on community patrols and seizures of controlled and prohibited substances and illegal firearms¹. With respect to the "*change in safety of young women and other vulnerable groups*," JUS can provide information on RCMP presence, police reported crime by nature of offence (including alleged sexual assaults) and the frequency with which victims' services are utilized. This data can be used in the annual progress report and to determine if and how adaptive management of health and well-being impacts will occur.

As well, Annual Policing Priority Action Plans (Action Plans) are developed in partnership between the RCMP and community leadership. Priorities are developed based on the specific needs of each community and provide the opportunity to examine current community safety pressures and plan for future demands. These action plans are revisited annually and revised as necessary by the community and the RCMP. Action Plan reporting to track the RCMP and community goals is captured on a template and reported on a quarterly basis. Reports are provided to Mayors and Chief and Council and may be distributed by the community as a public document if the community so wishes.

Along with its membership on the Whatì Interagency Committee, the department of ECE is able to provide information on the following programs:

- Income Security Programs - Income Assistance, Seniors Home Heating Subsidy, Seniors Supplementary Benefit, Student Financial Assistance, NWT Child Benefit;
- Early Childhood - # of Early Childhood Care Spaces, # of EC Licensed Programs, Early Childhood Development Instrument Reports;
- Employment and skills training – data from NWT Stats Bureau, GNWT Labour Market Programs, Apprenticeships;
- Education - Junior Kindergarten – Grade 12 student data;
- Indigenous Languages- Reports from Tlicho Government Regional Language Plans – Stats from 2014 Community Survey (# of speakers by language/community)

The data collected as part of these programs can be used by the Whatì Inter-Agency Committee and will help the Committee determine the effectiveness of mitigations to address potential health and well-being impacts. Moving forward, GNWT will continue to work closely and collaboratively with the TG, Community Governments, and TCSA to ensure that the indicators selected for the monitoring plan are jointly decided upon and that culturally relevant and community orientated mitigations are included. This will ensure a responsive monitoring and mitigation plan is developed that best fits the needs of the community.

- b) The actions completed to date outline the progress that has been made in implementing this measure. The effectiveness of this work cannot be assessed at this time, as the project is in the early development stage.

¹ There are some situations in which data may be held back at the community level to avoid privacy violations.

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-3	Safety of young women in relation to work camps	To mitigate the Project's impact on the physical and mental health and safety of women, the developer will require that the successful P3 operator has gender appropriate and gender-specific policies in place that promote a safe, respectful and inclusive environment for women at work and in communities near work camps. The developer will consult with the Ṭḥcḥ Government and Community Government of Whaṭi in establishing core elements of these policies.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Hiring for the construction of the road has started and will continue as required to meet construction demands. Women have been hired from the community and were orientated using gender-specific policies. The gender-specific policies were developed in consultation with the Community Governments to ensure the safety of all women at the camp. The P3 operator (North Star Infrastructure), acting on behalf of the developer, continues to consult on a weekly basis with Ṭḥcḥ Government representatives and the Community Governments of Whaṭi and Behchoḳ on the policies. This ongoing consultation helps in the continuous improvement of the new-hire orientation program.</p> <p>With the exception of Behchoḳ residents, workers and staff are required to stay in camp during non-working hours. Daily and weekly meetings are held with worker representatives and senior leadership, providing a forum for issues and concerns to be raised and resolved.</p> <p>No safety issues or concerns have been raised by any female employees since the implementation of the policies.</p> <p>b) The full effectiveness of the implementation actions cannot be assessed in this (2018) Annual Report, as construction has been ongoing for approximately a month and a half. However, at this time the actions taken to reduce or avoid impacts on the physical and mental safety of women have been successful as no issues have been raised.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Hiring for the construction of the road has been ongoing to meet construction staffing demands. Women have been hired from the Ṭḥcḥ communities and there are currently 31 Ṭḥcḥ women working on the TASR project. Senior Management from the P3 Operator (North Star Infrastructure), acting on behalf of the developer, continues to consult on a bi-weekly basis with the Ṭḥcḥ Government Client Services Directors who represent the Ṭḥcḥ Government's four communities. Initiatives to "improve opportunities for Woman in the Trades Industry" are items on the bi-weekly agenda. During these discussions, any employee grievances, safety issues or incidents are supposed to be brought up and resolved.</p> <p>The gender-specific policies developed are still being applied and appear to be working effectively.</p> <p>No safety issues or concerns have been raised by any female employees since the implementation of the policies and during the bi-weekly meetings.</p> <p>b) The actions taken to reduce or avoid impacts on the physical and mental safety of women appear to have been successful as no issues have been raised so far.</p> <p>The developers Community Coordination Lead (CCL) is coordinating with the TG Career Development Manger to identify potential female candidates to fill positions during the operational phase of the project when the construction is complete. The CCL attended the Health and Social Services and Whaṭi Community Government Working Group meetings on September 23, 2020.</p>

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-4	Employee awareness training and policies	<p>To promote a positive, safe and inclusive work environment, the developer will ensure that the P3 operator:</p> <ul style="list-style-type: none"> • establishes a workplace environment that prevents assault, harassment and racism; • has a zero-tolerance harassment policy for racial or sexual discrimination; and, • requires employees to take a training course designed to promote cultural and gender awareness. <p>The developer will develop appropriate training materials, in consultation with the Tłıchǫ Government and the Tłıchǫ Community Services Agency, that reflect the factors that increase risks of sexual assaults on Aboriginal women. The developer, the Tłıchǫ Government and the Tłıchǫ Community Services Agency will coordinate course delivery. The developer will fund the training course.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer required employee awareness training and policies be developed in consultation with the Tłıchǫ Government and the Tłıchǫ Community Services Agency to ensure all personnel working onsite completed a mandatory onsite orientation. This has been completed. The onsite orientation provides training on key elements of workplace safety with emphasis on zero-tolerance for harassment, racial or sexual discrimination. Policy reminders are posted at worksite vantage points.</p> <p>The P3 operator is working with the Tłıchǫ Government and the Tłıchǫ Community Services Agency, to ensure that training materials cover factors that are likely to increase risks of sexual assaults on Indigenous women. The P3 operator meets weekly with Tłıchǫ Government and the Tłıchǫ Community Services Agency to review the policies.</p> <p>Racial or sexual discrimination, sexual assault or harassment has not been reported since commencement of construction on September 2, 2019 until this report has been prepared in October 2019.</p> <p>b) The effectiveness of the implementation actions cannot be fully assessed in this (2018) Annual Report, as construction has been ongoing for approximately a month and a half. However, at this time the actions taken to reduce or avoid impacts have been successful as no issues have been raised.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) In consultation with the Tłıchǫ Government and the Tłıchǫ Community Services Agency, the developer has developed employee awareness training and policy guidelines for all employees. The developer completes a mandatory onsite awareness training and roll out of policies during new employee orientations. The grievance process/mechanism is presented to all employees during the new hire orientation. Any issues, incidents or employee grievances are encouraged to be reported at the bi-weekly meeting between the developer and the TG Client Services Directors.</p> <p>b) The actions taken to implement this measure appear to have been effective. No incidents of racial or sexual discrimination, sexual assault or harassment were reported during the 2019-20 reporting period nor have any incidents been reported since the commencement of construction on September 2, 2019.</p>

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-5	Community engagement and grievance mechanisms	<p>The developer will hold public engagement sessions with the Communities of Whatì and Behchokò to discuss project-related community concerns.</p> <p>The developer will have a camp grievance mechanism and a community grievance mechanism that allow individuals and communities to raise concerns in a timely and open manner. These will be in place before the start of Project construction.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Public engagement sessions were held in the communities as follows:</p> <p>June 17, 2019 - Behchokò Cultural awareness/signage meeting June 18, 2019 - Whatì Career Fair June 19, 2019 - Behchokò Community information meeting June 20, 2019 - Behchokò Community information meeting August 7, 2019- Whatì Community Engagement regarding Camp and Community Grievance policy. The Community Coordinator Lead (CCL) went to Whatì to review the policies. August 8, 2019- Behchokò Community Engagement regarding Camp and Community Grievance policy. The CCL also went to Behchokò to review the policies.</p> <p>The developer has designed a camp grievance mechanism and a community grievance mechanism. The camp grievance mechanism was put in place prior to September 3, 2019 and is included in the onsite orientation. The grievance policies were reviewed with the TG Client Service Department on September 25 and October 2, 2019, respectively. The TG meets weekly with the developer to review events, grievances, and policies.</p> <p>b) The implementation actions have been successful at this early stage of construction, as the grievance mechanisms have been developed in coordination with the communities of Behchokò and Whatì and were in place prior to the start of construction. The effectiveness of the grievance mechanisms has yet to be tested as no concerns or issues have been raised.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Due to COVID-19, in-person Community Engagement has been postponed. The TG Client Services Directors are developing a process for outside companies to conduct Community Engagement. The engagement process is updated during the TG Client Service bi-weekly meetings. The developer will follow all guidelines for the TG Community Engagement process. On August 20, 2020, the developer hosted a TASR site tour for the Behchokò Chief and Council members.</p> <p>The developer has designed a camp grievance mechanism and a community grievance mechanism. The camp grievance mechanism was put in place prior to September 3, 2019 and is included as an element of the onsite orientation. The grievance policies were reviewed with the TG Client Service Department on September 25 and October 2, 2019, respectively. The TG Client Services meets bi-weekly or as needed with the developer to review events, grievances, and policies.</p> <p>b) The effectiveness of the grievance mechanisms have proven to work effectively in responding to concerns or issues as demonstrated in the test case below:</p> <ul style="list-style-type: none"> • In July 2020, an employee let the Community Coordination Lead know that he had a grievance with his Supervisor. • The CCL informed the operation Manager on site. The following day, the Manager and the employee filled out the Grievance form. • The next day, the Manager spoke to the Supervisor about the grievance. The Supervisor admitted he raised his voice and used inappropriate language. The Supervisor was reprimanded that day. • The following day, the Supervisor decided to speak to all the staff and other Supervisors. He apologized and admitted he made a mistake and should not have raised his voice or used such language • The following week there was a "Toolbox training" for all staff, foremen, supervisors and employees regarding proper communication and conduct. • Four days after the incident, the CCL spoke to the employee to keep him updated on the process. • On the seventh day, CCL spoke to the Client Service representative to give an update on the incident and the resolution. • CCL called the employee on the eighth day to update him on the resolution. The employee said "I feel better about the issue."

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-6	Include Behchokò in accident response planning	The Government of the Northwest Territories will develop and implement an effective ground ambulance and highway rescue action plan along the road that will be designed in collaboration with the Tłıchǵ Government (TG), Tłıchǵ Community Services Agency (TCSA), Community Government of Whatì, and Community Government of Behchokò.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the GNWT, reporting under Measure 14-2</p> <p>Backgrounder on NWT Ground Ambulance Highway Rescue (GAHR) Action Plan:</p> <p>In 2017, the GNWT started work on an action plan to address gaps, deficiencies, and to identify future needs relative to the current ground ambulance and highway rescue services system in the Northwest Territories. Project activities included researching service delivery standards, and assessing the current operating environment with a view to determining the operational and financial requirements necessary to sustain a desired standard of service. In February 2019, work was completed on a Findings and Recommendations Report which was used as a basis for a two-year action plan approved in June 2019.</p> <p>The action plan places an immediate priority on governance and establishing an acceptable fiscal arrangement between the GNWT and community governments which deliver mature ground ambulance and rescue services on territorial highways. Territorial legislation empowers community governments to establish ground ambulance and rescue services and to extend those services beyond municipal boundaries. The GNWT supports these efforts with funding, training, tools and guidance. The action plan includes work on a revised funding policy to support a fair and equitable approach to funding GAHR across the territory, and establishment of a basic service delivery model with key elements to support the design, development, implementation, and maintenance of GAHR services in the NWT. The GNWT fully anticipates that outcomes from the action plan will inform the establishment of new or expanded services in the NWT.</p> <p>a) Implementation of Measure 5-6, GAHR Action Plan Project for the TASR:</p> <ul style="list-style-type: none"> In January 2019, the TG hosted a three-day Measures Review and Implementation Planning Workshop wherein the TG, TCSA, GNWT (including MACA, HSS), and Community Governments agreed to create a working group to jointly move forward and address this measure. In the spring of 2019, a working group was established and two preliminary meetings were held in May/June to further define the project's scope, key objectives, and the engagement process for implementing Measure 5-6 and developing an effective GAHR action plan for the TASR. The working group is chaired by MACA (Municipal and Community Affairs), and includes the GNWT-HSS, TG, TCSA, and the Community Governments of Whatì and Behchokò. In June 2019, a Project Charter was finalized in collaboration with the working group which outlines the project scope, priority activities, and a critical path forward for meeting the intent of Measure 5-6. In July 2019, a Terms of Reference was developed in collaboration with the working group which defines the scope, methodology, and key deliverables for examining the current operating environment and informing the development of a GAHR action plan for the TASR. MACA also developed an assessment outline for the working group to provide additional clarity on focus areas to be examined, and to assist the TCSA and Community Governments with preparing any support materials in advance of the scheduled community visits. On September 16th, 2019, a Knowledge Gathering Session was held in the community of Behchokò involving key policy and operational staff from the TG, TCSA, and Community Governments of Whatì and Behchokò. MACA provided a backgrounder on the broader NWT GAHR Action Plan, reviewed key components of the Project Charter, and described the approach that will be used for conducting the operational assessment. HSS facilitated the knowledge gathering discussion which explored local historical knowledge, key policies and governance challenges, and other barriers and successes related to the current operating environment. Information gathered from this session will be included in the overall assessment and inform the development of an action plan for the TASR. In October 2019, the Office of the Fire Marshal (MACA) visited the communities of Whatì and Behchokò to conduct an operational assessment of GAHR rescue services. This work involved interviews with key management and operational staff on governance, policies, service levels, staffing, equipment, operating procedures, training, inter-agency coordination, and other foundational elements for the establishment and delivery of emergency response services. 		<p>This measure is directed to the GNWT, reporting under Measure 14-2</p> <p>a) Current actions and progress on implementation of Measure 5-6, Ground Ambulance Highway Rescue (GAHR) Action Plan Project for the TASR:</p> <ul style="list-style-type: none"> In February 2020, MACA facilitated a follow-up presentation for the working group (MACA, HSS, TG, TCSA, Whatì, Behchokò) which included a progress update, assessment overview, key findings, and a recommended approach going forward; The working group connected again in July 2020 to discuss recommended next steps, including a community-level review about current capacity and service level options using information provided by MACA; At the request of the Community Governments of Whatì and Behchokò, MACA offered to present at a joint council meeting in Behchokò once a date can be determined. A follow-up meeting will then be scheduled with the working group to discuss next steps; In the interim, MACA is working on completing an operational risk assessment on the types of traffic, hazards, response distances, and other risk considerations to further support decision making on a desired service level. <p>b) Effectiveness of these actions towards meeting the intent of Measure 5-6, GAHR Action Plan Project for the TASR:</p> <ul style="list-style-type: none"> The GNWT continues to collaborate with the working group throughout the project to provide clarity on the current operating environment, response capacity, service level options, resource needs, budget impacts, and other important safety considerations required to develop safe, effective and sustainable emergency response services for the TASR. Forthcoming decisions from the Community Governments of Whatì and Behchokò and other stakeholders on whether to expand services beyond the current level will determine how best to proceed with action plan development. The timeframe for implementation and implications on existing services is highly dependent on the outcome of those decisions.

<ul style="list-style-type: none">• MACA will prepare a draft report on the community operational assessment findings. These findings will be made available for the working group to review. The working group will also discuss next steps towards the development and implementation of an action plan. To inform this work, HSS will be working with MACA and Executive and Indigenous Affairs (EIA) to provide clarity on the current legal, policy, and financial arrangements that are in place involving existing services delivered by the TCSA.• Moving forward, the GNWT (MACA, HSS) will continue to work closely and collaboratively with the TG, TCSA, and the Community Governments of Whatì and Behchokò to ensure priority actions are meeting the intent of the measure. <p>b) The actions completed to date outline the progress that has been made in implementing this measure. The effectiveness of this work cannot be assessed at this time, as the project is in the early development stage.</p>	
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MEASURE		MEASURE SPECIFICS																																																						
Community well-being																																																								
Measure 5-7	Prioritize Northern hiring	The developer will prioritize Northern hiring, and Tłıchǫ citizen hiring in particular, in its contract with the P3 operator.																																																						
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<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer has prioritized Northern Hiring and currently has a total of 15 local people from the Community of Behchokǫ and the Hamlet of Fort Providence working on the Tłıchǫ All-season Road Project since the start of construction on September 3, 2019.</p> <p>Further hiring is ongoing and clear data on the number of local people hired for the project will be provided in the next annual report. To date, there has not been any complaint from the community governments about the hiring process.</p> <p>b) The project agreement ensures that Northern hiring will be prioritized and has been effective at this early stage in construction. The effectiveness will continue to be monitored throughout construction and operations.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer has prioritized Northern hiring and ensures Northern employment opportunities are fulfilled by onsite management by reviewing and considering all resumes received from Northern applicants. To encourage Northern hiring, the developer, in consultation with the Tłıchǫ Community Services Agency developed and organized job site heavy equipment training for Tłıchǫ community members between July 13, 2020 and August 15, 2020. Twelve students enrolled in the program out of which nine graduated with certification in heavy equipment operations that will enhance their employability, not only on the TASR Project but also on other construction projects in the Territory. The three students who could not complete the initial training due to family emergencies later graduated as well.</p> <p>b) The developer has prioritized Northern hiring and has consistently added Tłıchǫ and Northern employees each month in 2020. The developer advertised on the TG Facebook page and a hiring poster during Q2 (June 2020). So far, the actions taken to ensure prioritizing Northern hiring have been effective as reflected in the increasing number of Tłıchǫ workers being employed on the project. The table below shows a breakdown and percentage of Tłıchǫ workers. Tłıchǫ workers are made up of Tłıchǫ residents plus Tłıchǫ Investment Corporation (TIC) approved workers. As shown in the table below, there was a sudden increase in the number of workers in June as a means of the contractor catching up with project schedules following a six-week shutdown due to COVID-19.</p> <p style="text-align: center;">Number and Percentage of Tłıchǫ and Northern Workers between January and August 2020</p> <table border="1"> <thead> <tr> <th>Month of Year</th> <th>Total Workers on Project</th> <th>Tłıchǫ Residents +TIC-Approved Workers</th> <th>% of Tłıchǫ Residents +TIC-Approved Workers</th> <th>Northern Residents</th> <th>% of Northern Residents</th> </tr> </thead> <tbody> <tr> <td>Jan - 2020</td> <td>100</td> <td>33</td> <td>33</td> <td>10</td> <td>10</td> </tr> <tr> <td>Feb - 2020</td> <td>110</td> <td>30</td> <td>27</td> <td>9</td> <td>8</td> </tr> <tr> <td>March - 2020</td> <td>124</td> <td>32</td> <td>26</td> <td>16</td> <td>13</td> </tr> <tr> <td>April - 2020</td> <td>50</td> <td>13</td> <td>26</td> <td>2</td> <td>4</td> </tr> <tr> <td>May - 2020</td> <td>57</td> <td>14</td> <td>25</td> <td>4</td> <td>7</td> </tr> <tr> <td>June - 2020</td> <td>184</td> <td>127</td> <td>69</td> <td>6</td> <td>3</td> </tr> <tr> <td>July - 2020</td> <td>256</td> <td>183</td> <td>71</td> <td>32</td> <td>13</td> </tr> <tr> <td>August - 2020</td> <td>276</td> <td>200</td> <td>73</td> <td>33</td> <td>12</td> </tr> </tbody> </table>	Month of Year	Total Workers on Project	Tłıchǫ Residents +TIC-Approved Workers	% of Tłıchǫ Residents +TIC-Approved Workers	Northern Residents	% of Northern Residents	Jan - 2020	100	33	33	10	10	Feb - 2020	110	30	27	9	8	March - 2020	124	32	26	16	13	April - 2020	50	13	26	2	4	May - 2020	57	14	25	4	7	June - 2020	184	127	69	6	3	July - 2020	256	183	71	32	13	August - 2020	276	200	73	33	12
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MEASURE		MEASURE SPECIFICS
Boreal caribou		
Measure 6-1	<p>Implementation of the Recovery Strategy for the Boreal Caribou in the NWT, and required range plans, for boreal caribou affected by the Project</p> <p>Part 1 Develop and implement range plans</p> <p>Part 2 Information and adaptive management requirements</p>	<p><u>6-1, Part 1: Develop and implement range plans</u> The GNWT-ENR will develop and implement a range plan for boreal caribou (t̄d̄z̄ı) in the North Slave portion of the NT1 range, as required by the Recovery Strategy for the Boreal Caribou in the NWT. The GNWT-ENR will also develop and implement a range plan for any other region where boreal caribou (t̄d̄z̄ı) may experience impacts related to the Project.</p> <p>The range plan(s) will be developed collaboratively with Aboriginal groups and co-management partners. GNWT-ENR will complete and submit a range plan for the North Slave portion of the NT1 range to the Wek'èezhì Renewable Resources Board for review under section 12.5.1 of the T̄h̄ch̄ Agreement a minimum of 90 days before the Project is opened for public use.</p> <p>The GNWT will work collaboratively with the T̄h̄ch̄ Government, and other relevant Aboriginal and federal land management authorities to manage habitat to achieve the habitat disturbance threshold set out in this range plan to the greatest extent possible. The GNWT will consult with applicable Aboriginal groups as required.</p> <p><u>6-1, Part 2: Information and adaptive management requirements</u> For the area identified by the range plan(s) in measure 6-1, part 1 the following must be included in the development and implementation of the Recovery Strategy for the Boreal Caribou in the NWT or range plan(s):</p> <ul style="list-style-type: none"> • monitoring to determine population trends, abundance and distribution; • determination of population thresholds and triggers to inform adaptive management; • harvest monitoring and reporting; • determining sustainable harvest levels; • identifying critical habitat; • ongoing habitat disturbance monitoring; • setting disturbance thresholds for critical habitat and, to the greatest extent possible, managing habitat towards meeting these disturbance thresholds for each range planning region; and, • monitoring predator populations including densities, movements and predation rates. <p>Monitoring will meet the requirements of Appendix C. GNWT-ENR will work with the developer to adaptively manage Project impacts on boreal caribou (t̄d̄z̄ı) (following guidance in Appendix B).</p>

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<p>This measure is directed to the GNWT-ENR, reporting under Measure 14-2</p> <p>a) 6-1 Part 1: Develop and implement range plans: In August 2019, GNWT-ENR released A Framework for Boreal Caribou Range Planning (the Framework) that will guide the development of five regional range plans for boreal caribou. The Framework is intended to guide what factors regional range plans will consider, how disturbance will be managed, what kinds of actions are recommended for different levels of disturbance, and how those actions will be implemented. This includes setting regional limits for total habitat disturbance, and human disturbance thresholds to determine the intensity of management actions required. Range planning for the Southern NWT and the Wek'èezhì regions will start in fall 2019. The Framework is available on ENR's website at https://www.enr.gov.nt.ca/sites/enr/files/resources/boreal_caribou_range_planning_framework_2019_-_cadre_de_planification_de_laire_de_repartition_du_caribou_boreal_2019.pdf.</p> <p>ENR will engage with Indigenous governments and organizations (IGOs), renewable resources boards, land use planning boards, regulatory boards, industry and non-governmental organizations during the development of boreal caribou range plans for Southern NWT and the Wek'èezhì region.</p> <p>6-1 Part 2: Information and adaptive management requirements: ENR initiated a boreal caribou monitoring program in the North Slave region focused on the TASR corridor in March 2017, with the deployment of 20 GPS collars on adult female caribou. Five more collars were deployed in the study area in March 2018, and ENR completed the first classification survey to determine cow: calf ratios in March 2018. Seven more collars were deployed in March 2019, and classification surveys were also completed. There are currently 30 active collared caribou within the study area. ENR has hired a contractor to begin evaluating sustainable harvest levels using available demographic data from NWT boreal caribou monitoring programs.</p> <p>b) Measure 6-1 directs the GNWT-ENR to develop and implement a range plan for boreal caribou in the North Slave portion of the NT1 range. The actions taken to date outline the progress the GNWT-ENR has made, in collaboration with IGOs, renewable resources boards, land use planning boards, regulatory boards, industry and non-governmental organizations, in working towards the development of boreal caribou range plans. The development and implementation of range plans will</p>	<p>This measure is directed to the GNWT-ENR, reporting under Measure 14-2</p> <p>a) 6-1 Part 1: Develop and implement range plans: ENR has been working to collaboratively develop and implement range plans for boreal caribou (t̄d̄z̄ı). ENR hosted Wek'èezhì range planning working group meetings in Yellowknife on November 13, 2019, and on February 12, 2020. Participants included the Wek'èezhì Renewable Resources Board (WRRB), T̄h̄ch̄ Government (TG), Yellowknives Dene First Nation (YKDFN), North Slave Métis Alliance (NSMA), Environment and Climate Change Canada (ECCC) and the departments of Industry, Tourism and Investment, Lands and Executive and Indigenous Affairs. COVID-19 related restrictions resulted in planned community meetings being postponed until late-fall 2020 at the earliest. These meetings were to be led by TG, NSMA and YKDFN to document Traditional Knowledge about important areas for boreal caribou. These community meetings are an essential step in the range planning process as ENR is committed to incorporating Indigenous knowledge into development of the range plans and the measure requires the range plans to be developed collaboratively with Indigenous groups and co-management partners.</p> <p>The measure calls for the boreal caribou range plan to be submitted to the WRRB 90 days before the opening of the TASR. At the time the EA was concluded, and the measures were accepted by responsible ministers and the T̄h̄ch̄ government, the projected timeline for road construction was four years. Under the original circumstances (four-year construction timeline for the TASR), it would still have been very difficult to meet the timeline in Measure 6-1. Now, with an advanced opening date of November 2021, combined with the delay in community meetings due to COVID-19, it is extremely unlikely ENR will meet the timeline required by Measure 6-1. Therefore, ENR proposed that an "interim" boreal caribou range plan be prepared for the Wek'èezhì region. It would be based on the science and Indigenous knowledge information currently available and would be submitted to the WRRB by the required deadline of August 2021. The proposed "interim" range plan may only be in effect for two (2) years (still to be confirmed), which would give the GNWT, Indigenous governments and organizations and co-management partners additional time to complete a full range plan respecting the process set out in the Framework, and including full consideration of the Indigenous knowledge collected at future community meetings. The Wek'èezhì boreal caribou range planning working group was notified by letter of this proposed approach on August 7, 2020. The WRRB provided a letter to ENR indicating their support for this approach on August 31, 2020. ENR held a virtual working group meeting on September 16, 2020 to discuss the proposed interim range plan with the working group, and did not hear any opposition to this approach from the organizations that were in attendance.</p>

help address this impact as range plans are tools for decision-makers, developers and communities to help manage activities on the land in a way that supports caribou conservation. The effectiveness of this measure cannot be determined until after the boreal caribou range plan for the Wek'èezhì region is completed.

6-1 Part 2: Information and adaptive management requirements: There are currently 27 active collars deployed on boreal caribou within the TASR study area. Since the last reporting period, there was one natural mortality, one mortality due to harvest, and one collar that released ahead of schedule. No new collars were deployed in winter 2019.

ENR completed a boreal caribou abundance survey and a wolf abundance survey within the TASR study area in Feb/Mar 2020. The preliminary results from these two surveys were presented at the July 7, 2020 TASR Corridor Working Group meeting, as well as in field reports distributed to WRRB, TG, NSMA and YKDFN in early September 2020. The boreal caribou abundance survey also served as the spring classification survey to estimate calf recruitment rates. Details on the methods of these surveys are outlined in v. 4.0 of the [TASR Wildlife Management and Monitoring Plan](#) (WMMP) which was circulated for public review on September 15, 2020.

ENR's contractor completed the report on population modeling to assess sustainable harvest rates for boreal caribou in March 2020. ENR plans on creating a plain language summary of the report and engaging with TG, WRRB, NSMA and YKDFN on the results of the report in fall 2020 or winter 2021.

ENR recently completed updates to estimates of fire disturbance within the NT1 boreal caribou range, and range planning regions. As of fall 2019, there is 31.9% fire disturbance within the Wek'èezhì portion of the range. Anthropogenic disturbance levels have not been updated since 2015 (the last time ECCC measured disturbance), and remains at 0.8%. Total disturbance (fire + human) is at 32.3%.

b) No change from 2018-19 response.

MEASURE		MEASURE SPECIFICS
Boreal caribou		
Measure 6-2	Determine sustainable harvest levels for boreal caribou (t̄odzı) and implement measures to ensure harvest is sustainable if required	<p>To mitigate significant adverse impacts from the project on boreal caribou (t̄odzı), the GNWT-ENR, in collaboration with Aboriginal groups and in accordance with the requirements of the T̄ıch̄q Agreement, will determine sustainable harvest levels for boreal caribou in the North Slave portion of the NT1 range prior to the road being opened to the public.</p> <p>In that same period, if current harvest levels are determined to exceed sustainable levels, management action will be undertaken in conjunction with the T̄ıch̄q Government.</p> <p>If harvest levels are observed to increase towards unsustainable levels once the road is opened to the public, GNWT-ENR and T̄ıch̄q Government will submit a wildlife management proposal under section 12.5.1 of the T̄ıch̄q Agreement to the Wek'èezhì Renewable Resources Board for the timely implementation of any measures necessary to ensure boreal caribou harvest in the region is kept within sustainable levels. Such measures may include the establishment of a no-hunting corridor along the Project route.</p>
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<p>This measure is directed to GNWT-ENR, reporting under Measure 14-2</p> <p>a) GNWT- ENR has hired a contractor to begin evaluating sustainable harvest levels using available demographic data from NWT boreal caribou monitoring programs. ENR will engage on the results of the contractor's report once it is finalized.</p> <p>In July 2019, ENR introduced new harvest regulations to split woodland caribou into separate "boreal caribou" and "northern mountain caribou" tags based on where each ecotype of woodland caribou live to improve ENR's ability to track resident harvest levels of each ecotype. For boreal caribou, resident hunters and General Hunting Licence holders can now only hunt bulls and the hunting season has been shortened.</p> <p>b) The actions taken to date outline the progress the GNWT-ENR has made in implementing this measure. The effectiveness of this measure cannot be determined until sustainable harvest levels are established.</p>		<p>This measure is directed to the GNWT-ENR, reporting under Measure 14-2</p> <p>a) ENR's contractor completed the report on population modeling to assess sustainable harvest rates for boreal caribou in March 2020. ENR plans on creating a plain language summary of the report and engaging with TG, WRRB, NSMA and YKDFN on the results of the report in fall 2020 or winter 2021.</p> <p>b) No change from the 2018-19 response.</p>

MEASURE		MEASURE SPECIFICS																
Boreal caribou																		
Measure 6-3	Habitat offset and restoration plan	<p>The developer will offset effective boreal caribou (t̄dz̄i) habitat lost because of disturbance from the Project.</p> <p>The developer, with the involvement of GNWT-ENR, will prepare and implement a habitat offset plan. This plan will describe how the required habitat offset area will be determined and how it will be achieved. In preparing the plan, the developer will collaborate with T̄ch̄q̄ Government and the Wek'èezhì Renewable Resources Board, and consult with the following participants to this environmental assessment:</p> <ul style="list-style-type: none"> • Environment and Climate Change Canada; • Yellowknives Dene First Nation; and, • North Slave Métis Alliance. <p>The developer will make funding available to the parties to support this consultation and collaboration. The developer will submit a draft and a final plan as described below. Once approved, the developer will operate in accordance with the plan.</p> <p>The developer will submit a draft plan to the Wek'èezhì Renewable Resources Board a minimum of 30 days prior to commencement of construction. The developer will submit the final habitat offset plan to the Wek'èezhì Renewable Resources Board for review under section 12.5.1 of the T̄ch̄q̄ Agreement, as soon as possible, and no later than 90 days prior to public use of the road. This final plan will include, at a minimum:</p> <ul style="list-style-type: none"> • the goals and objectives of the plan; • a discussion on the expected effectiveness of mitigations and offsets; • a decision framework to prioritize restoration areas, mitigations, and offsets, including references to the research on which the decision framework was based; • a discussion of how any proposed mitigations or offsets align with the Recovery Strategy for the Boreal Caribou in the NWT and range plans; • details of proposed ways to offset habitat disturbance including restoration sites, mitigation measures, offsets, forest fire fighting policies, or habitat management approaches; • a description of the spatial scale of the proposed offset, the habitat quality and type, site specific restoration activities, and any challenges; • a timeline for offsetting; • a quantitative and qualitative assessment of the total area of boreal caribou habitat proposed for restoration and the timeframe required for restoration; • a summary of consultation feedback that was integrated into the draft and final plans; • a description of any Traditional Knowledge that was considered in the development of the plan, and how it was incorporated; and, • a description of any resources provided to Aboriginal groups to support their involvement in the drafting of the final plan, and for any involvement in the implementation of the plan. 																
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<p>This measure is directed to the developer, but requires the involvement of GNWT-ENR. The developer and ENR worked collaboratively to provide the information as summarized below, reporting under Measures 14-1 and 14-2.</p> <p>a) A Consultant (Associated Environment) has been retained by the developer to undertake and complete a Draft Caribou Habitat Offset Plan for the TASR in collaboration with the T̄ch̄q̄ Government and the Wek'èezhì Renewable Resources Board (WRRB), and in consultation with Environment and Climate Change Canada (ECCC), Yellowknives Dene First Nation (YKDFN), and North Slave Métis Alliance (NSMA).</p> <p>As part of the consultation, Associated Environment (AE) organized 3 workshops; 2 in Behchok̄ and 1 in Yellowknife.</p> <table border="1"> <thead> <tr> <th>Workshop</th> <th>Date</th> <th>Venue</th> <th>Attendees</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>February 22, 2019</td> <td>Yellowknife</td> <td>TG, WRRB, GNWT-ENR, GNWT-INF, and AE</td> </tr> <tr> <td>2</td> <td>April 23 & 24, 2019</td> <td>Behchok̄</td> <td>TG, WRRB, GNWT-ENR, GNWT-INF, AE, Elders and Harvesters from Whatì and Behchok̄</td> </tr> <tr> <td>3</td> <td>May 9 & 10, 2019</td> <td>Behchok̄ and Yellowknife</td> <td>TG, WRRB, GNWT-ENR, GNWT-INF, AE, Elders and Harvesters from Whatì and Behchok̄</td> </tr> </tbody> </table> <p><i>Workshop 1</i> The purpose of workshop 1 was to encourage a common understanding of the concepts of offsetting and agree upon how the draft Habitat Offset Plan should be developed. The collaborators decided upon a tentative schedule, the parties who needed to be engaged, the methods of engagement, the number of engagement sessions that would be required, and the number of drafts that would be provided.</p>		Workshop	Date	Venue	Attendees	1	February 22, 2019	Yellowknife	TG, WRRB, GNWT-ENR, GNWT-INF, and AE	2	April 23 & 24, 2019	Behchok̄	TG, WRRB, GNWT-ENR, GNWT-INF, AE, Elders and Harvesters from Whatì and Behchok̄	3	May 9 & 10, 2019	Behchok̄ and Yellowknife	TG, WRRB, GNWT-ENR, GNWT-INF, AE, Elders and Harvesters from Whatì and Behchok̄	<p>This measure is primarily directed to the developer, but requires the involvement of GNWT-ENR. The developer and ENR worked collaboratively to provide the information as summarized below, reporting under Measures 14-1 and 14-2.</p> <p>a) During the reporting period, the developer's consultant (Associated Environmental) has taken information and Traditional Knowledge received from the T̄ch̄q̄ Government, Wek'èezhì Renewable Resources Board (WRRB), Environment and Climate Change Canada (ECCC), Yellowknives Dene First Nation (YKDFN), and North Slave Métis Alliance (NSMA), Elders, and hunter/trappers to prepare the final Boreal Caribou Habitat Offsetting Plan (Final Plan). On April 23, 2020, the Consultant provided a concordance table to demonstrate how the information that was provided has been used to help develop the Final Plan. The consultant also participated in the December 11, 2019 Corridor Working Group meeting held in Behchok̄ and provided an update to the Corridor Working Group members on the status and development of the Final Plan. NSMA provided further comments to INF in a letter on April 3, 2020. INF and their consultant provided a response to each comment on July 18, 2020. In finalizing the Plan, the next steps will include sending the Final Plan to all interested parties for another review. Following this review, the Final Plan will be revised and submitted to the WRRB for their final review. An implementation plan will be developed based on recommendations from the Final Plan.</p> <p>b) The actions taken to date outline the progress that has been made in putting together the Draft Boreal Caribou Habitat Offset Plan in 2019 and are currently being used to develop the Final Plan. The implementation actions described above have been effective at preparing the Draft Habitat Offset Plan by using a collaborative process. The Final Boreal Caribou Habitat Offset Plan is expected to be submitted to the WRRB no later than 90 days prior to public use of the road. The effectiveness at avoiding or reducing impacts is yet to be seen as the Final Plan is still a draft and has yet to be implemented.</p>
Workshop	Date	Venue	Attendees															
1	February 22, 2019	Yellowknife	TG, WRRB, GNWT-ENR, GNWT-INF, and AE															
2	April 23 & 24, 2019	Behchok̄	TG, WRRB, GNWT-ENR, GNWT-INF, AE, Elders and Harvesters from Whatì and Behchok̄															
3	May 9 & 10, 2019	Behchok̄ and Yellowknife	TG, WRRB, GNWT-ENR, GNWT-INF, AE, Elders and Harvesters from Whatì and Behchok̄															

Workshop 2

At workshop 2 offsetting was introduced to the Elders and Harvesters. The collaborators listened to the Elders and Harvesters traditional use of the land and the traditional knowledge they had of todzi use of the land. AE consulted with the Elders and Harvesters on methods of offset and areas for potential offset.

Workshop 3

Workshop 3 was a follow-up with Elders and Harvesters to ensure that the information obtained from the previous workshop was correct, and provided Elders and Harvesters with an opportunity to provide further feedback. The second day of the workshop was held with staff to focus on the methods and areas for offsetting and what the draft Habitat Offset Plan will look like.

AE distributed the draft Habitat Offset Plan to the TG, WRRB, NSMA, YKDFN, GNWT-ENR, and the developer. **Note:** ECCC was consulted in a different forum.

The first draft was completed and submitted to the developer on June 10, 2019 for review and comment. The second draft was distributed to all interested parties on June 17, 2019 for review and comment, and was distributed again on July 12, 2019 for further review. The draft Habitat Offset Plan was completed and submitted to the WRRB, in accordance with Measure 6-3, on July 31, 2019.

Following submission of the draft Habitat Offset Plan to WRRB, the Forest Management Division of ENR raised pertinent issues which AE will be working on. The final Habitat Offset Plan is due at least 90 days prior to public use of the road, which is scheduled for Fall 2022. Once the WRRB completes their review of the draft Habitat Offset Plan, AE will continue to prepare the final Habitat Offset Plan in collaboration and consultation with the required parties.

- b) The actions taken to date outline the progress that has been made in implementing this measure. The implementation actions described above have been effective at preparing the draft Habitat Offset Plan using a collaborative process. The effectiveness at avoiding or reducing impacts is yet to be seen as the Habitat Offset Plan is still a draft and has yet to be implemented.

MEASURE		MEASURE SPECIFICS
Barren-ground caribou		
Measure 7-1	Incorporate Traditional Knowledge into monitoring of barren-ground caribou (ʔekwò)	To improve and inform mitigation of significant adverse impacts to barren-ground caribou (ʔekwò) resulting from increased access due to the Project, the developer will include Traditional Knowledge in barren-ground caribou (ʔekwò) monitoring and management. Prior to operations, the developer will: a) support the Tłıchǵ Government in the design and implementation of a program that uses Tłıchǵ harvesters' traditional knowledge and methods to monitor the state of barren-ground caribou (ʔekwò) winter habitat, during and after the construction of the Project; b) fund the implementation of the program in paragraph a); and, c) incorporate the findings of the program in paragraph a) into the Wildlife Management and Monitoring Plan while it is in place, and into any other barren-ground caribou (ʔekwò) management if the Wildlife Management and Monitoring Plan is not extended.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer is collaborating with the Tłıchǵ Government to provide support for the design and implementation of a program that uses traditional knowledge and methods by Tłıchǵ harvesters to monitor the state of barren-ground caribou winter habitat starting in the 2019 winter season.</p> <p>Results from the implementation of the program will be provided after the 2019 winter season.</p> <p>b) The effectiveness of the actions taken to implement this measure cannot be assessed yet, as measure implementation is in the early planning stage.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer has been collaborating with the Tłıchǵ Government (TG) to provide financial support for the development of programs that monitor barren-ground caribou. In August 2020, the TG submitted a harvest monitoring study design proposal and a budget to the developer/INF for review and approval. In consultation with ENR, INF approved the proposal and made funds available for the design and implementation of caribou harvesting and monitoring programs that will be rooted in Traditional Knowledge. TG is expected to work collaboratively with ENR to ensure successful implementation of the programs.</p> <p>The information from this program will provide information that will also support implementation of Measures 6-2 and 7-2, as well as inclusion of traditional knowledge as required by Measures 9-3 and 10-2. Future versions of the WMMPs will be updated with any recommendations from the study. Further details on this program are provided in Appendix I of v. 4.0 of the TASR WMMP which was circulated for public review on September 15, 2020.</p> <p>b) The effectiveness of the actions taken to implement this measure cannot be assessed at this time, as the implementation of the measure is still at an early planning stage.</p>

MEASURE		MEASURE SPECIFICS
Barren-ground caribou		
Measure 7-2	Barren-ground caribou mitigation and policy changes	To manage significant adverse impacts to barren-ground caribou (ᚰekwᚰ) resulting from the Project, GNWT-ENR and Tłı̨chǫ Government, along with their co-management partners in the Wek'èezhìi area, will: a) complete the Bathurst Caribou Range Plan as soon as possible and prior to the expiry of the Wildlife Management and Monitoring Plan; and, b) consider protecting barren-ground caribou (ᚰekwᚰ) historic winter habitat from fires when determining where and when fires are fought, to offset effective habitat loss from the Project.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
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<p>This measure is directed to the GNWT-ENR and the Tłı̨chǫ Government, reporting under Measure 14-2</p> <p>a) 7-2, Part a: complete the Bathurst Caribou Range Plan: The Bathurst Caribou Range Plan (BCRP) was released on August 21, 2019. The BCRP was developed by a multi-stakeholder working group and will help decision-makers manage activities on the land in a way that supports the recovery of the Bathurst herd, while providing clarity on land use and access for developers, regulators and residents of the Northwest Territories (NWT). It includes guidance for managing the overall amount of disturbance on the land, as well as seven management tools to reduce and manage impacts to caribou and caribou habitat. Actions are currently underway to support implementation of the recommendations contained in the BCRP. The BCRP is available on ENR's website at https://www.enr.gov.nt.ca/sites/enr/files/resources/bathurst_caribou_range_plan_2019_-_plan_pour_laire_de_repartition_des_caribous_de_bathurst_2019.pdf.</p> <p>7-2, Part b: consider protecting barren-ground caribou historic winter habitat from fires: The BCRP contains a recommendation to: "On an annual basis, identify large, strategically-located patches of forest in the central Bathurst winter range for the GNWT fire management "Values at Risk" database. Response to fires in these areas would be based on an analysis of the current fire load, fire environment, resource availability and similar considerations of the management options at the time of the fire event."</p> <p>b) The actions taken to date outline the progress the GNWT-ENR has made in implementing this measure. The development and implementation of range plans will help address this impact as range plans are tools for decision-makers, developers and communities to help manage activities on the land in a way that supports caribou conservation. The effectiveness of the BCRP cannot be assessed because the BCRP is relatively recent (August 21, 2019).</p>		<p>This measure is directed to the GNWT-ENR and the Tłı̨chǫ Government, reporting under Measure 14-2</p> <p>a) 7-2, Part a: complete the Bathurst Caribou Range Plan: No changes or updates since the 2018-19 response.</p> <p>7-2, Part b: consider protecting barren-ground caribou historic winter habitat from fires: In spring 2019 the Tłı̨chǫ Government organized a workshop to identify important habitat areas for barren-ground and boreal caribou to consider as Values at Risk in ENR's fire management system. Maps and spatial data from that workshop were shared with ENR and incorporated into fire management decision making in summer 2019 and 2020.</p> <p>Additionally, ENR is providing funding for Bathurst Caribou Range Planning implementation to Indigenous governments and organizations to identify areas of important winter habitat that will be considered as Values at Risk in ENR's fire management system. A workshop will be held in January or February of 2021 to consolidate and build consensus on a short list of areas.</p> <p>b) No change from the 2018-19 response.</p>

MEASURE		MEASURE SPECIFICS
Fish and water		
Measure 8-1	Fisheries Management Plan	<p>Fisheries and Oceans Canada and the Tłıchǵ Government, with the support of the developer, will develop and implement a Fisheries Management Plan for fisheries in the project area. This will prevent significant adverse impacts from additional fishing pressure that will likely result from increased access via the Project. In designing the plan, Fisheries and Oceans Canada will engage with the Tłıchǵ Government, the Wek'èezhì Renewable Resources Board, the Community of Whatì and other affected Aboriginal groups. Fisheries and Oceans Canada and the Tłıchǵ Government will submit the plan to the Wek'èezhì Renewable Resources Board for review under section 12.5.1 of the Tłıchǵ Agreement.</p> <p>As part of this plan, Fisheries and Oceans Canada and the Tłıchǵ Government will complete the following work:</p> <p>a) Complete work to understand baseline fishery and harvest conditions. This work will include, at a minimum:</p> <ol style="list-style-type: none"> i. assessing yield and harvest; ii. identifying management issues; iii. establishing fisheries objectives; and, iv. clarifying management and stewardship arrangements. <p>b) Design and implement, with support of the developer, mitigation to prevent or manage project impacts (which may include a regulatory and compliance plan).</p> <p>c) Design and implement monitoring plans, meeting the requirements of Appendix C.</p> <p>d) Design and implement an adaptive management plan (following guidance in Appendix B).</p> <p>Fisheries and Oceans Canada and the Tłıchǵ Government will provide opportunity for the working group (required by Measure 14-3) and other interested parties to review and comment on this plan.</p>
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<p>This measure is directed to Fisheries and Oceans Canada and the Tłıchǵ Government. Support is required from the developer. Reporting under Measure 14-1</p> <p>a) The developer is supporting the efforts of Fisheries and Oceans Canada (DFO) and the Tłıchǵ Government (TG) in developing a Fisheries Management Plan (FMP) prior to the opening of the highway, expected in the fall of 2021. To date, the developer has reached out to both DFO and the TG and is communicating with DFO to determine how to successfully meet this measure.</p> <p>The TG has provided terms of reference for the TASR Fisheries Working Group, which includes a mandate, composition, activities and accountability, and administration. DFO, the TG, the Community Government of Whatì and the developer make up that working group. The group has not yet met formally.</p> <p>The developer has also reached out to the Wek'èezhì Renewable Resources Board as this Board will play a pivotal role in meeting the measure.</p> <p>As well, the FMP will be a standing item on the Corridor Working Group agenda so as to ensure interested parties can be updated and comment.</p> <p>b) The effectiveness of the actions taken to implement this measure cannot be assessed yet, as measure implementation is in the early planning stage.</p>		<p>This measure is directed to Fisheries and Oceans Canada and the Tłıchǵ Government, with support of the developer. As such, the GNWT is reporting under Measure 14-1, while the other regulators will, in their own report(s), report under Measure 14-2.</p> <p>a) INF has been working with Fisheries and Oceans Canada (DFO), the Tłıchǵ Government (TG), Wek'èezhì Renewable Resources Board (WRRB), and the Community Government of Whatì (CGW) to ensure this measure is met. A working group, the TASR Fisheries Management Plan Working Group, has been formed that includes representatives from DFO, TG, WRRB, CGW and INF. DFO and TG are co-chairing the Working Group and the Terms of Reference has been reviewed and finalized. The working group met on the following dates to discuss how and what should be included in the plan.</p> <p>May 26, 2020 June 1, 2020 June 30, 2020 August 6, 2020 September 3, 2020 October 2, 2020</p> <p>A draft plan is expected by the end of December 2020.</p> <p>b) The effectiveness of the actions taken to implement this measure cannot be assessed yet, as the measure implementation is in the early planning stage.</p>

MEASURE		MEASURE SPECIFICS
Cultural well-being		
Measure 9-1	<p>Monitoring harvest and managing wildlife to maintain successful harvest</p> <p>Part 1 Aboriginal harvest monitoring and reporting program</p> <p>Part 2 Use monitoring to inform management</p>	<p><u>9-1, Part 1: Aboriginal harvest monitoring and reporting program</u></p> <p>To mitigate impacts on Aboriginal harvesters and to effectively inform management of wildlife populations in the area of the Project, GNWT-ENR will work together with the Tłıchǫ Government and Wek'èezhì Renewable Resources Board to develop and implement a non-mandatory Aboriginal harvest monitoring and reporting program.</p> <p>The harvest monitoring and reporting program will:</p> <p>a) focus on boreal caribou, barren-ground caribou and moose population trends in areas accessed by winter roads and trails from the Project;</p> <p>b) be community-based and involve collaboration between Tłıchǫ Government and the developer;</p> <p>c) involve Traditional Knowledge holders and harvesters in monitoring wildlife harvesting trends; and,</p> <p>d) report on wildlife harvesting numbers and trends from monitoring checkpoints and/or other harvest monitoring methods annually to the Tłıchǫ Government, Wek'èezhì Renewable Resources Board, GNWT-ENR and other wildlife co-management partners.</p> <p>The developer will fund this harvest monitoring and reporting related to the project. The harvest monitoring will meet the requirements of Appendix C.</p> <p><u>9-1, Part 2: Use monitoring to inform management</u></p> <p>GNWT-ENR, in collaboration with the Tłıchǫ Government and Wek'èezhì Renewable Resources Board, will consider wildlife management actions and mitigations based on the results of the monitoring above and the information collected by the GNWT's existing Resident Hunting Reporting Program, to help ensure sustainable Aboriginal harvesting of wildlife and report on monitoring results and management actions in the annual reviews of the Wildlife Management and Monitoring Plan.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
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<p>This measure is directed at the GNWT-ENR, WRRB and the Tłıchǫ Government, reporting under Measure 14-2</p> <p>a) GNWT-ENR and the Tłıchǫ Government participated in a community based monitoring workshop in February, 2019 that specifically focused on Measure 9-1. ENR will continue to work with the Tłıchǫ Government and will engage with other parties, including the Wek'èezhì Renewable Resource Board, on this measure.</p> <p>b) The effectiveness of the actions taken to implement this measure cannot be assessed yet, as measure implementation is in the early planning stage.</p>		<p>This measure is directed at the GNWT-ENR, WRRB and the Tłıchǫ Government, reporting under Measure 14-2</p> <p>a) The Tłıchǫ Government developed a proposal for a monitoring program to address Measures 7-1 and 9-1 of the Report of EA. In August 2020, INF committed funds to support the Tłıchǫ Government to undertake this program. ENR is administering the funding agreement with the Tłıchǫ Government for this program and will provide technical input and support as the program is further developed. The information from this program will provide information that will also support implementation of Measures 6-2 and 7-2, as well as inclusion of traditional knowledge as required by Measures 9-3 and 10-2. Future versions of the WMMPs will be updated with any recommendations from the study. Further details on this program are provided in Appendix I of v. 4.0 of the TASR WMMP which was circulated for public review on September 15, 2020.</p> <p>b) No change from the 2018-19 response.</p>

MEASURE		MEASURE SPECIFICS
Cultural well-being		
Measure 9-2	Cultural sensitivity in work camps and communities	To mitigate the Project's impact on Tłıchǫ culture and well-being of Tłıchǫ residents, the developer will require that the P3 operator has culturally appropriate and specific policies in accordance with those set out by the Tłıchǫ Government, GNWT departments and federal government. The P3 operator will have policies and programs in place for employee cultural orientation, approved by the Tłıchǫ Government, for all non-Tłıchǫ workers, including awareness of special cultural norms and practices.
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<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Cultural sensitivity orientation and training have been included in the new-hire orientation program. All new hires took the cultural sensitivity training prior to starting work. A re-training is mandatory for any employee who does anything contrary to the cultural sensitivity policy.</p> <p>Policies and training materials will be updated and reviewed as and when required, and whenever the project resumes construction after an extended shutdown.</p> <p>b) The effectiveness of the actions taken to implement this measure has thus far been successful as there have not been any cultural sensitivity complaints since the implementation of the policies.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer created and implemented an employee "Cultural Safety" training program in consultation with the Tłıchǫ Government (TG) and the Tłıchǫ Community Services Agency. This training document was repackaged into a PowerPoint document and presented to all personnel working on site. The National Collaboration Centre for Aboriginal Health described Cultural Safety as "developing and nurturing a climate where the unique history of Indigenous peoples is recognized and respected in an impartial and safe way, without discrimination."</p> <p>On December 4, 5, and 6, 2019, a Tłıchǫ Elder and TG Cultural Practices Manager shared the Tłıchǫ history, traditional knowledge, traditional land use, and the importance of safety and working together with TASR site personnel.</p> <p>The Elder, a 93-year old man, was born in Wekweèti and later moved to Behchokǫ. He shared a couple of wise and constructive stories about his involvement in building the road from Yellowknife to Behchokǫ in the 1960s and the cultural sensitivity lessons that could be learnt from his experience. He suggested that "road construction needs to be based on traditional and modern trails." This means that everyone needs to understand the Tłıchǫ traditional ways of living on the land while working together and building new roads. He stressed the importance of teamwork and how the Tłıchǫ workers can help construction companies survive in the North. He related the changes that occurred following the Yellowknife - Behchokǫ road construction and those lessons can help with the TASR Project. The presentations benefited the TASR personnel by enhancing cultural awareness, competency and sensitivity, which foster cultural safety.</p> <p>b) The actions taken to implement this measure appear to have been effective. At the time of this report, no incidences of cultural insensitivity, cultural discrimination, have been reported since commencement of construction activities on September 2, 2019.</p>

MEASURE		MEASURE SPECIFICS
Cultural well-being		
Measure 9-3	Include Traditional Knowledge from all relevant groups	To mitigate impacts from the Project to culture and harvesting, the developer will incorporate Traditional Knowledge into the Project design and management from all Aboriginal groups that traditionally use the area. The developer will: a) support the collection of Traditional Knowledge related to traditional use, and compile it with information already acquired; b) thoroughly consider any Traditional Knowledge that is made available, and, where applicable, incorporate Traditional Knowledge into Project design, mitigations, monitoring and adaptive management; and, c) do this in a culturally-appropriate way that respects applicable Traditional Knowledge policies and protocols. The GNWT-ENR and Wek'èezhì Land and Water Board will consider these findings in the Wildlife Management and Monitoring Plan and in permitting.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed primarily to the developer, reporting under Measure 14-1 (see below for Measure 14-2 reporting)</p> <p>a) The developer has received Traditional Knowledge Reports from The Tłıchǵ Government, NSMA, and YKDFN. These reports have been reviewed and information or concerns have been reflected in the Wildlife Management and Monitoring Plan (WMMP) where applicable. The Tłıchǵ All Season Road Corridor Working Group is another forum where Traditional Knowledge is provided as the project progresses. As per the Terms of Reference of the Corridor Working Group, Elders are invited to participate at the meetings.</p> <p>In the development of the draft Habitat Offset Plan, local Elders and Harvesters from Whatì and Behchokǵ attended two workshops. At these workshops Elders and Harvesters were presented with the concepts and possible strategies for offsetting, their opinions on these strategies were heard, as well as how they traditionally use the land in these areas, and they shared their knowledge of tǵdzı in these areas. The Traditional Knowledge provided was used to help create the draft Habitat Offset Plan.</p> <p>Throughout the construction, the developer and P3 operator will continue to seek Traditional Knowledge from IGOs where appropriate.</p> <p>b) The WMMP, draft Habitat Offset Plan, and project design have incorporated the Traditional Knowledge provided to INF. The actions taken thus far have been effective at incorporating the Traditional Knowledge into the design of the project, mitigation, and monitoring.</p> <p>This measure is directed primarily to the developer, but requires GNWT-ENR to consider the findings in the Wildlife Management and Monitoring Plan (WMMP) and in permitting. Reporting under 14-2</p> <p>a) Please see the update provided for Measure 10-2 (below).</p>		<p>This measure is directed primarily to the developer, but requires GNWT-ENR to consider the findings in the Wildlife Management and Monitoring Plan (WMMP) and in permitting. As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) Development of the Boreal Caribou Habitat Offsetting Plan continues to use Traditional Knowledge provided at the draft Habitat Offset Plan stages. The Traditional Knowledge incorporated into the WMMP, Project design, mitigation measures, and monitoring has been in use during construction.</p> <p>INF is also working with TG and ENR to undertake a caribou harvest and monitoring study design that will be rooted in Traditional Knowledge. The outcome of the study will inform additional mitigation measures based on TK, if necessary.</p> <p>Traditional Knowledge was also incorporated into policies and training materials to ensure respect for cultural sensitivity in work camps and communities as reported under Measure 9-2.</p> <p>b) Traditional Knowledge used in the WMMP, Project design, mitigations and monitoring methods have been effective at reducing impacts to the environment and wildlife. The effectiveness will continue to be observed throughout the remainder of construction and operations.</p> <p>Reporting under Measure 14-2</p> <p>a) ENR has not received or been made aware of any new Traditional Knowledge reports or findings during the reporting period that could have been incorporated into version 4.0 of the TASR WMMP that was circulated for public review on September 15, 2020.</p> <p>b) Please see the update provided for Measure 10-2 (below)</p>

MEASURE		MEASURE SPECIFICS
Species at risk and wildlife, other than caribou		
Measure 10-1	Bird species at risk and migratory bird data, mitigation, monitoring and adaptive management Part 1 Pre-construction bird surveys Part 2 Mitigation Part 3 Monitoring and reporting Part 4 Adaptive management	<p><u>10-1, Part 1: Pre-construction bird surveys</u> The developer will conduct pre-construction field surveys of bird species at risk and migratory birds prior to disturbing potential habitat, including any clearing of the right-of way, quarry sites, camps, access routes, or other project infrastructure. The developer will consult with Environment and Climate Change Canada (ECCC) and GNWT-ENR about methods and timing for a field survey(s). The developer will conduct the survey using methods derived from peer-reviewed scientific literature and best practices.</p> <p><u>10-1, Part 2: Mitigation</u> The developer will use the results from surveys in 10-1 Part 1 to inform mitigations. The mitigations will help protect bird species at risk and migratory birds and ensure habitats and nesting sites are protected. For all project-related infrastructure and activities during the construction and operations phase, the developer will: a) use the information from the survey(s) to inform and adjust proposed mitigations; b) implement mitigations as described in its commitments table and its Wildlife Management and Monitoring Plan; c) implement additional mitigations to eliminate or reduce impacts, if warranted based on surveys; d) halt all disruptive activities, in consultation with ECCC, in an area if nests or young are discovered; and e) determine and implement, in consultation with ECCC and GNWT-ENR, appropriate species-specific buffer zones or setbacks, until the young have naturally and permanently left the vicinity of the nest taking into consideration the intensity of the disturbance and the surrounding habitat.</p> <p><u>10-1, Part 3: Monitoring and reporting</u> The developer will: a) implement monitoring in section 5 and Appendix C of the Wildlife Management and Monitoring Plan and Chapter 14 of this report; b) monitor nests using non-intrusive search methods at quarry sites immediately prior to commencing any disruptive activities during the nesting period; and c) report weekly and annually as described in section 6 of the Wildlife Management and Monitoring Plan, including findings of baseline surveys in 10-1 Part 1. Monitoring will meet the requirements of Appendix C.</p> <p><u>10-1, Part 4: Adaptive management</u> The developer will implement adaptive management as described in section 6 of the Wildlife Management and Monitoring Plan and following guidance in Appendix B of this report.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, but requires the developer consult with GNWT-ENR, reporting under Measure 14-1</p> <p>a) 10-1, Part 1: Pre-construction bird surveys: A Consultant, Golder Associates (Golder), was retained by the developer to undertake field surveys of bird species at risk and migratory birds. Golder consulted with Environment and Climate Change Canada (ECCC) and GNWT-ENR to develop a methodology and timeline for the survey. The consultations were carried out on April 18, May 11, and May 28, 2018. Based on the agreed-upon methodology and timeline, 60 Autonomous Recording Units (ARUs) were deployed between March 27-30, 2019 and were retrieved between July 3-6, and 11-12, 2019. In addition to the ARUs, 10 cameras were also set up along the alignment to capture wildlife and possibly human activities. The ARUs have been analyzed by avian biologists. A technical report has been written and has been provided to ENR for their review. Once the developer receives ENR's comments, the report will be submitted to ECCC.</p> <p>10-1, Part 2: Mitigation: Golder provided a technical memo detailing how the results of the bird surveys could inform mitigations for the Tłı̨chǫ All-Season Road. As part of the technical memo, a thorough review of the mitigation measures proposed in the current Wildlife Management and Monitoring Plan (WMMP) was completed. The report concluded that adequate mitigation measures for birds, under GNWT-ENR's authority, have been included in the current WMMP.</p> <p>One new mitigation measure has been recommended as a result of the information gathered from the bird survey, which is to create a suitable alternative habitat for bank swallows if they are found to be nesting in any Project stockpiles. This recommendation is currently under consideration. Results from the survey also reinforce the importance of the road alignment following the existing Old Airport Road.</p> <p>10-1, Part 3: Monitoring and reporting: Monitoring programs are currently being implemented and weekly reports are generated.</p> <p>10-1, Part 4: Adaptive management:</p>		<p>This measure is directed to the developer, but requires the developer to consult with ECCC and GNWT-ENR. As such, it is being reported on by GNWT under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) 10-1, Part 1: Pre-construction bird surveys: The Migratory Bird Survey technical memo/report was submitted to ECCC on August 17, 2020. INF is working with ECCC to assess if further analyses are required. The analysis completed to date by the developer and the developer's contractor, Golder Associates (Golder), did not identify additional species at risk birds. Therefore, no additional mitigation measures are being recommended at this time. However, if further analyses are required and completed, additional mitigation measures may be included in future versions of the WMMP, if necessary.</p> <p>10-1, Part 2: Mitigation: The technical memo prepared by Golder on September 10, 2019 detailed how the results of the Migratory Bird Survey would have been used for additional mitigation measures, if necessary. As part of the technical memo, a thorough review of the mitigation measures proposed in the approved Wildlife Management and Monitoring Plan (WMMP) was completed. The report concluded that adequate mitigation measures have been included in the WMMP and therefore no additional mitigation measures are being recommended at this time. However, if further analyses are required and completed, additional mitigation measures will be included in future versions of the WMMP, if necessary.</p> <p>10-1, Part 3: Monitoring and reporting: Monitoring programs proposed in the approved version of the WMMP are being implemented and weekly reports generated.</p> <p>10-1, Part 4: Adaptive management: The WMMP's Adaptive Management component is to be updated and implemented as and when it becomes necessary. As the needs for Adaptive Management are realized throughout construction and operations, changes to the WMMP will be addressed and incorporated as appropriate. The first annual review for the WMMP is currently undergoing public review process. The developer hasn't identified any need for an Adaptive Management updates at this time. However, if public</p>

<p>The WMMP has an Adaptive Management component, which is being updated as and when necessary and being implemented to protect birds under GNWT-ENR's authority. As the needs for Adaptive Management are realized throughout construction and operation, changes to the WMMP will be addressed and incorporated as appropriate.</p> <p>b) The bird survey report has provided a new recommendation for a mitigation measure as a result of the survey. The effectiveness of the other aspects of this measure is yet to be realized, as construction has been ongoing for approximately a month and a half. As construction continues, monitoring results and reporting will inform the effectiveness of the implementation actions at avoiding or reducing harm.</p> <p>This measure is directed to the developer, but requires the developer consult with GNWT-ENR, reporting under Measure 14-2</p> <p>GNWT-ENR provided the developer with advice regarding methods and timing for a field survey(s) prior to the start of construction. The GNWT-ENR requested, as part of the approval of the developer's Wildlife Management and Monitoring Plan, that the full report of the pre-construction field surveys outlining the results for the second half of the road right of way for rusty blackbird and short eared owl be provided to the GNWT-ENR, by the developer, within 30 days of starting construction. The developer provided the full report on October 1, 2019. ENR will review the report to determine if additional mitigations to eliminate or reduce impacts are warranted based on the results of the surveys.</p>	<p>comments trigger updates, the Adaptive Management component may be updated and reflected in the future versions of the WMMP.</p> <p>b) The mitigation measures currently proposed and being implemented in the approved WMMP have been effective thus far. Environmental weekly reports capture how the implementation has been working; including contacting the appropriate regulatory bodies if an issue was identified for a satisfactory solution.</p> <p>Reporting under Measure 14-2</p> <p>a) As noted in the 2018-19 reporting, the developer provided ENR pre-construction field surveys outlining the results for the second half of the road right of way for rusty blackbird and short eared owl on October 1, 2019. The contractor responsible for writing the report determined that no additional mitigations to eliminate or reduce impacts were warranted based on the results of the surveys. ENR concurs with those findings with respect to rusty blackbird and short-eared owl. A copy of the full report with findings for other bird species was included as an appendix to v.4.0 of the TASR WMMP which was circulated for public review on September 15, 2020.</p> <p>b) Not applicable as this measure is primarily directed to the developer.</p>
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MEASURE		MEASURE SPECIFICS
Species at risk and wildlife, other than caribou		
Measure 10-2	Wildlife Management and Monitoring Plan approval, annual review and reporting Part 1 WMMP update prior to permitting Part 2 WMMP update during permitting Part 3 Annual review of the WMMP during construction and operations.	<p><u>10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting</u> The developer will update its Wildlife Management and Monitoring Plan prior to permitting to include the developer's commitments and Review Board's measures from this <i>Report of Environmental Assessment</i>.</p> <p>Prior to permitting, the developer will, where appropriate, include Traditional Knowledge from all Aboriginal groups that harvest in the area on ways to mitigate, monitor and adaptively manage impacts from the Project to wildlife.</p> <p><u>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting</u> During permitting, the developer will involve Environment and Climate Change Canada, GNWT-ENR, Wek'èezhì Renewable Resources Board, Tłı̨chǫ Government and Aboriginal groups that harvest in the area, in developing an updated Wildlife Management and Monitoring Plan. Monitoring will meet the requirements of Appendix C.</p> <p>When updating the Wildlife Management and Monitoring Plan, the developer will, where appropriate, include Traditional Knowledge from all Aboriginal groups that harvest in the area on ways to mitigate, monitor, and adaptively manage impacts from the Project to wildlife. The Wildlife Management and Monitoring Plan will be updated based on the results of available surveys and monitoring, such as caribou, bird (Measure 10-1), and moose surveys.</p> <p>The Wildlife Management and Monitoring Plan will require that construction activities, including clearing, consider sensitive wildlife periods, for example nesting periods of migratory birds.</p> <p><u>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations</u> GNWT-ENR will require annual public review of the Wildlife Management and Monitoring Plan and make publicly viewable:</p> <ul style="list-style-type: none"> • recommendations from parties; • responses on how recommendations were incorporated; and, • reasons for recommendations which were not incorporated.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed primarily to the developer, but requires GNWT-ENR involvement. Reporting under Measure 14-1 (see below for reporting under Measure 14-2)</p> <p>a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: Following the WLWB comments and the public comments, the WMMP has undergone several edits and iterations, both prior to and after permits have been issued. Version 3.3 of the WMMP was approved by ENR on August 30, 2019. In its August 23, 2019 Reasons for Decision, the WLWB did not approve the Version 3.3 and directed that Version 3.4 be submitted prior to the commencement of construction. Complying with the directives of the WLWB, Version 3.4 of the WMMP was submitted to the WLWB on August 30, 2019.</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: During the permitting, the developer worked collaboratively with Environment and Climate Change Canada, GNWT-ENR, Wek'èezhì Renewable Resources Board, Tłı̨chǫ Government and Indigenous groups and harvesters to develop an updated WMMP.</p> <p>Traditional knowledge (TK) was provided by The Tłı̨chǫ Government and the Yellowknives Dene First Nations. The TK was incorporated into the WMMP with respect to caribou, and will also be incorporated into a Caribou Habitat Offset Plan.</p> <p>The Wildlife Management and Monitoring Plan has identified sensitive wildlife periods and construction activities are scheduled outside these sensitive periods.</p> <p>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: During the Construction and Operations Phase, the Wildlife Management and Monitoring Plan will be reviewed and, if required, revised at least annually and potentially more frequently taking into account changes in the law, environmental factors, monitoring results, developer and North Star Infrastructure policies. GNWT will provide the WMMP, with any proposed changes, for public review and will make the WMMP publicly available. As noted above, the WMMP was reviewed and approved on August 23, 2019. The next annual public review of the Wildlife Management and Monitoring Plan will take place in August 2020.</p> <p>Environmental Monitors are using binoculars for wildlife sightings as outlined in the WMMP. The table below is an example</p>		<p>This measure is directed primarily to the developer, but requires GNWT-ENR involvement. As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: This portion of the measure was completed in the last reporting period and remains the same.</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: This portion of the measure was completed in the last reporting period and remains the same.</p> <p>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: The first annual review of the WMMP has been completed and submitted to ENR and WLWB on September 15, 2020. At the time of filing this report, the review and updated version of the WMMP is undergoing public review/comment period; after which, the updated WMMP Version 4.0 will be considered for approval by ENR and WLWB.</p> <p>b) The actions taken to implement this measure, as proposed in the current approved WMMP, have been effective given that no large animals have been harmed, and no fatalities have been recorded. Environmental weekly reports capture how the implementation has been working; including contacting the appropriate regulatory bodies if an issue was identified for a satisfactory solution.</p> <p>Reporting under Measure 14-2</p> <p>a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: The TASR Land Use Permit and Type B Water Licence were issued May 30, 2019, which occurred prior to this reporting period. Please see the GNWT's response from 2018-19.</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: The TASR Land Use Permit and Type B Water Licence were issued May 30, 2019, which occurred prior to this reporting period. Please see the GNWT's response from 2018-19.</p> <p>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations:</p>

of the wildlife sightings as reported in the weekly report:

Date	Time	Location	Wildlife	Number
03-Sept-19	9: 25 am	Near waste Bins	Common Raven	1
04-Sept-19	12 00 pm	Km 15	Cougar	1
05-Sept-19	1:00 pm	Km 20	Black Bear	1
05-Sept-19	5:34 pm	Km 11	Red Squirrel	1
06-Sept-19	12:30 pm	Km 12	Sharp-tailed Grouse	1
07-Sept-19	8:17 am	Km 4.5	Wood Bison	10
07-Sept-19	9:32 am	Km 12	Wood Bison tracks	1
07-Sept-19	9:38 am	Km 18	Dark-eyed Juncos	30
07-Sept-19	11:00 am	Km 7.5	Black Bear	3 - Sows with 2 cubs
07-Sept-19	3:30 pm	Km 4.5	Wood Bison	1
07-Sept-19	6:30 pm	Km 0	Wolf	1
08-Sept-19	10:23 am	Km 17.5	Black Bear	1
13-Sept-19	6:30 am	Km 0	Wolf	1
13-Sept-19	10:30 am	Km 11	Wood Bison	1
16-Sept-19	2:00 pm	Km 18	Moose	1
18-Sept-19	7:30 am	Km 17	Wood Bison	1
19-Sept-19	7:45 am	Km 1.3	Wood Bison	1
21-Sept-19	11:00 am	Km 7	Wood Bison	1
21-Sept-19	7:15 am	Km 1.5	Lynx	1
23-Sept-19	8:30 am	Km 18	Wood Bison	1
24-Sept-19	11: 55 am	Km 16	Common Raven	1
26-Sept-19	4: 40 pm	Km 6.3	Moose	1
27-Sept-19	9: 46 am	Km 7	Moose	1
28-Sept-19	7: 00 pm	Km 8	Great Grey Owl	1
29-Sept-19	9: 05 am	Km 2	Common Raven	1
30-Sept-19	12: 17 pm	Km 7	Moose	1
30-Sept-19	12: 30 pm	Km 7.5	Canada Jay	1

This measure is directed primarily to the developer, but requires GNWT-ENR involvement, reporting under Measure 14-2.

The GNWT-ENR was involved in developing an updated Wildlife Management and Monitoring Plan, as per Measure 10-2, Part 2. The GNWT-ENR will require annual public review of the Wildlife Management and Monitoring Plan as outlined in Measure 10-2, Part 3 and as stated in the measure reporting under 14-1, above. The Wildlife Management and Monitoring Plan, version 3.3 was approved by the GNWT-ENR on August 30, 2019.

ENR is working with the Wek'èezhì Land and Water Board (WLWB) and the Wek'èezhì Renewable Resources Board (WRRB) to coordinate the annual public review of the TASR WMMP. An updated version of the WMMP (v. 4.0) was submitted by the developer to ENR on September 15, 2020. The WMMP (v. 4.0) was posted on the WLWB's Online Review System for public comment for a period of 30 days. The WLWB's Online Review System was utilized to ensure that recommendations from parties and responses from the developer indicating how recommendations were incorporated, and providing reasons for recommendations which were not incorporated, could be publicly viewed.

The results of the public review of the WMMP will be reported on in the 2020-21 Annual Report, as the 2019-20 reporting period ends on September 30, 2020.

- b) This will be the first annual TASR WMMP review, so it is too early to comment on the effectiveness of this measure.

MEASURE		MEASURE SPECIFICS
Permafrost		
Measure 11-1	Permafrost Management Plan	<p>To minimize permafrost degradation and prevent associated significant adverse impacts on the environment from the Project during construction and operation of the Project, the developer will develop and implement a permafrost management plan for construction and maintenance of the Project. The plan will be submitted for review and approval to the Wek'èezhì Land and Water Board prior to construction.</p> <p>This plan will include monitoring (following the requirements in Appendix C) and adaptive management (following the requirements in Appendix B). It will incorporate the recommendations made by Natural Resources Canada during the environmental assessment process as well as recommendations from the working group (Measure 14-3).</p> <p>The developer will incorporate any relevant information from the permafrost management plan into ongoing monitoring and adaptive management during Project operations.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The Permafrost Management Plan was prepared by the developer and submitted to the WLWB on January 7, 2019 with the reapplication package following the Environmental Assessment. The WLWB provided further direction on the Permafrost Management Plan on April 17, 2019 based on the comments received on the Online Review System. INF submitted a revised version of the Permafrost Management Plan on July 19, 2019, which was approved by the WLWB on August 23, 2019. The recommendations from ECCC were included in the Permafrost Management Plan. Permafrost was briefly discussed at the TASR CWG, however no recommendations were provided at the June 24, 2019 meeting. The meeting minutes will be made available to the public when they have been approved by the TASR CWG at the next meeting.</p> <p>As per requirements of the Permafrost Management Plan, both winter readings and summer readings are needed annually. The winter readings were taken between April 1 and April 8, 2019 and the summary report was presented to the WLWB. The developer is currently planning to conduct a summer reading of the thermistors. At that time the developer will also flag the thermistor cables with flagging tape to try to protect the thermistors from any damage that may occur during construction, ensuring future readings can be taken to monitor the permafrost and inform adaptive management.</p> <p>b) As construction has been ongoing for approximately a month and a half, the effectiveness of the implementation actions are yet to be seen. The results of the thermistor readings will help determine whether the mitigations used are effective at reducing the impacts to permafrost.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The Permafrost Management Plan was modified and approved by the WLWB in May of 2020. It included an elimination of the thermistor readings during the construction period. Readings would continue after construction is complete. The reason behind the change was because the construction of the road changes the thermal characteristics of the ground due to stripping of the vegetation and organic soil covering, ditching excavation, new drainage patterns, etc., which will result in more erratic readings until ground temperature normalizes again after construction. Returning to annually scheduled permafrost monitoring after the construction is completed, and ground temperatures have normalized, will give future maintenance operators more valid ground temperature information for decision making.</p> <p>b) The latest thermal readings were in April of 2019 and October of 2019. The readings to-date indicated very little permafrost, and highlights the areas where permafrost is present. This information now gives the developer enough knowledge (thermistor readings, geophysical records, and on-site inspections) to plan, design and implement permafrost protection plans during construction. Continual inspections by the department of Lands and Infrastructure inspectors have monitored construction to ensure compliance with land management and construction techniques.</p>

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-1	Annual reporting from the developer	<p>To demonstrate how measures are being implemented and to evaluate the effectiveness of the developer's efforts to prevent or minimize impacts on the environment, the developer will, throughout all phases of the development, prepare an annual report on the implementation of measures. The report will address the measures that the developer is responsible for and will:</p> <p>a) describe the actions, including actions implemented through adaptive management, being undertaken to implement the measures; and, b) evaluate how effective the implementation actions are in reducing or avoiding the impact (considering the results of monitoring programs and adaptive management frameworks). Where applicable, provide references to further information contained in other management plans or monitoring reports.</p> <p>The developer will provide its annual report to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>The GNWT has interpreted GNWT-INF and the North Star Infrastructure Project Company as being the developer for the purposes of Measure 14-1 annual reporting.</p> <p>The reporting requirement from the developer falls under the Environmental Assessment (EA) Measure 14-1, which comprises of the following EA Measures:</p> <ol style="list-style-type: none"> 1. Measure 5-1 2. Measure 5-2 3. Measure 5-3 4. Measure 5-4 5. Measure 5-5 6. Measure 5-6 7. Measure 5-7 8. Measure 6-3 9. Measure 7-1 10. Measure 8-1 11. Measure 9-2 12. Measure 9-3 13. Measure 10-1 14. Measure 10-2 15. Measure 11-1 16. Measure 14-1 		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>The reporting details for Measure 14-1 remain nearly the same from last year's report. In error, Measure 5-6 was captured under Measure 14-1 when it should have been captured under Measure 14-2. This error has been resolved.</p> <p>The reporting requirement from the developer falls under the Environmental Assessment (EA) Measure 14-1, which comprises of the following EA Measures:</p> <ol style="list-style-type: none"> 1. Measure 5-1 2. Measure 5-2 3. Measure 5-3 4. Measure 5-4 5. Measure 5-5 6. Measure 5-7 7. Measure 6-3 8. Measure 7-1 9. Measure 8-1 10. Measure 9-2 11. Measure 9-3 12. Measure 10-1 13. Measure 10-2 14. Measure 11-1 15. Measure 14-1 16. Measure 14-3 17. Measure 14-4

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-2	Annual reporting from government and regulatory authorities	<p>To help evaluate the effectiveness of mitigation measures for the protection of the environment, each regulatory authority or government that is wholly or partly responsible for implementation of any measure in this <i>Report of Environmental Assessment</i> will prepare an annual report on implementation of measures. The report will:</p> <p>a) describe the actions being undertaken to implement the measures or the part(s) of the measures for which the regulatory authority or government is responsible; and, b) explain how these actions, including those implemented through adaptive management, fulfill the intent of the EA measures, including consideration of the following questions:</p> <p>i. How are implementation actions addressing a likely significant adverse impact on the environment? ii. How effective are implementation actions at reducing or avoiding the impact or its likelihood?</p> <p>Government and regulators are only responsible for reporting on the implementation actions they take, not actions taken by the developer. For example, if a regulator does not issue an authorization, provide direction to the developer, approve a management plan, or take other actions that relate to an EA measure(s) in a given year, the regulator will not need to submit a report for that year.</p> <p>The governments and regulators will provide their annual reports to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the GNWT, reporting under Measure 14-2</p> <p>The following Measures fall under the reporting requirements of Measure 14-2 for the Government and Regulatory Authorities:</p> <ol style="list-style-type: none"> 1. Measure 5-2 2. Measure 6-1 3. Measure 6-2 4. Measure 6-3 5. Measure 7-2 6. Measure 9-1 7. Measure 10-2 8. Measure 14-1 		<p>This measure is directed to the regulatory authorities and/or governments, including the GNWT, reporting under Measure 14-2</p> <p>The reporting details for Measure 14-2 remain nearly the same from last year's annual report. In error, some measures applicable to Measure 14-2 were omitted from the Measure 14-2 summary. This error has been resolved. The following Measures fall under the reporting requirements of Measure 14-2 for the Government and Regulatory Authorities:</p> <ol style="list-style-type: none"> 1. Measure 5-2 2. Measure 5-6 3. Measure 6-1 4. Measure 6-2 5. Measure 6-3 6. Measure 7-2 7. Measure 8-1 8. Measure 9-1 9. Measure 9-3 10. Measure 10-1 11. Measure 10-2 12. Measure 14-2

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-3	Project working group	<p>The developer will establish the Tłıchǰ All-Season Road Corridor Working Group by:</p> <ul style="list-style-type: none"> • funding the Tłıchǰ Government, Wek'èezhì Renewable Resources Board, Yellowknives Dene First Nation and North Slave Métis Alliance to participate in twice annual working group meetings, one of which will annually take place in Whatì; • requiring the participation of the P3 operator; and, • inviting Tłıchǰ Elders to participate. <p>The developer will make meeting minutes publicly available. The developer will maintain the working group throughout the Project construction phase and for five years of Project operations, unless an extended term is agreed to by parties.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The Tłıchǰ All-Season Road Corridor Working Group (TASR CWG) was formed in May 2019. It is made up of representatives from the following interested parties:</p> <ul style="list-style-type: none"> • The Tłıchǰ Government • Yellowknives Dene First Nations • North Slave Métis Alliance • Prince of Wales Northern Heritage Centre • Community Government of Whatì • Community Government of Behchokò • Wek'èezhì Renewable Resources Board • Wek'èezhì Land and Water Board • Environmental and Natural Resources • Department of Lands • Department of Infrastructure • Department of Finance • Fisheries and Oceans Canada • Environment and Climate Change Canada • North Star Infrastructure • Associated Engineering • Golder Associates <p>The group held its first meeting in Whatì on June 24, 2019, chaired by the Regional Superintendent of the Department of Infrastructure. The draft meeting minutes have been prepared and were distributed to all TASR CWG members for comments on August 6, 2019. Comments have been received and the final meeting minutes are ready for adoption at the next meeting before being made publicly available on GNWT-INF's project website. The next meeting will be held on December 11, 2019 at Behchokò.</p> <p>b) Implementation of the CWG has been successful thus far. The first TASR CWG meeting occurred before construction started so there was minimal discussion in terms of Adaptive Management. The success of the TASR CWG in helping to avoid or reduce impacts through Adaptive Management will continue to be seen through the upcoming meetings.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The Tłıchǰ All-Season Road Corridor Working Group (TASR CWG) was formed in May 2019. It is made up of representatives from the following interested parties:</p> <ul style="list-style-type: none"> • The Tłıchǰ Government • Yellowknives Dene First Nations • North Slave Métis Alliance • Prince of Wales Northern Heritage Centre • Community Government of Whatì • Community Government of Behchokò • Wek'èezhì Renewable Resources Board • Wek'èezhì Land and Water Board • Environmental and Natural Resources • Department of Lands • Department of Infrastructure • Department of Finance • Fisheries and Oceans Canada • Environment and Climate Change Canada • North Star Infrastructure • Associated Engineering <p>The CWG respectively held meetings on December 19, 2019 in Behchokò and July 7, 2020 via Zoom due to COVID-19 restrictions. The final meeting minute for December 19, 2019 has not been posted on the WLWB website, however, that for July 7, 2020 can be found here. The next meeting is schedule for the first week of December 2020. The specific date will be determined in the coming weeks.</p> <p>b) Implementation of the CWG has been successful thus far. Project updates from North Star Infrastructure (Contractor), presentations from regulators, input from interested Indigenous parties, and general discussion during the meeting have been useful for making sure all mitigation measures put in place are working as intended. So far, no serious issues were raised that impacted the construction progress.</p>

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-4	P3 operator agreement	To ensure that all applicable and relevant commitments of the developer and measures directed at the developer are carried out during the construction and operation phases of the Project, the developer will formalize and include these commitments and measures in its final contract with the P3 operator.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) This measure has been fulfilled. The Project Agreement between the GNWT-INF and North Star Infrastructure captures the legal requirements to satisfy the commitments and measures resulting from the environmental assessment. Schedule 19 (Environmental Obligations) and Schedule 1 (Definitions and Interpretation) would be some of the more relevant sections that satisfy this measure. The Project Agreement is available on GNWT-INF's Project website (https://www.inf.gov.nt.ca/sites/inf/files/content/tasr_-_project_agreement_final_redacted_version.pdf).</p> <p>b) The implementation of the Project Agreement has been fulfilled, as both parties have signed and entered into the agreement. The status and fulfillment of the commitments outlined within the Project Agreement are closely monitored by GNWT-INF.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>The reporting details for Measure 14-4 remain identical to last year's report.</p>

<p><u>Various Acronyms:</u> Developer = GNWT-INF with NSI (P3 Contractor) where applicable GNWT = Regulatory Authority/Responsible Minister ECCC = Environment and Climate Change Canada ENR = GNWT – Environment and Natural Resources INF = GNWT – Infrastructure TCSA = Tłıchǫ Community Services Agency</p>	<p>REA = Report of Environmental Assessment TK = traditional knowledge WLWB = Wek'èezhì Land and Water Board WMMP = Wildlife Management and Monitoring Plan GNWT = Government of Northwest Territories MACA = Municipal and Community Affairs HSS = Health and Social Services</p>	<p>AE = Associated Engineering YKDFN = Yellowknives Dene First Nation TG = Tłıcho Government NSMA = North Slave Métis Alliance TASR = Tłıchǫ All-Season Road GAHR = Ground Ambulance Highway Rescue WRRB = Wek'èezhì Renewal Resources Board</p>
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25 OCT 21

BY EMAIL

Mark Cliffe-Phillips
Executive Director
Mackenzie Valley Environmental Impact Review Board
200 Scotia Centre
PO BOX 938
YELLOWKNIFE NT X1A 2N7

Dear Mark Cliffe-Phillips:

**Government of the Northwest Territories' 2020 annual
environmental assessment measures report for the Tłı̨chǫ
All-season Road Project (EA1617-01, Measures 14-1 and 14-2)**

On behalf of the Government of the Northwest Territories (GNWT), we are pleased to provide the third annual environmental assessment measures report (the Annual Report) for the Tłı̨chǫ All-season Road Project. The 2020 Annual Report describes the implementation of measures directed to the developer (Measure 14-1) and to the GNWT (Measure 14-2), as required by EA1617-01. Where the measures are directed to the developer, the Department of Infrastructure (INF) has provided the response; where the measures are directed to the GNWT or specific departments within the GNWT, departments with mandates related to the measure have provided the response.

The attached Annual Report lists all measures as adopted by the responsible ministers and Tłı̨chǫ Government and summarizes the GNWT action to date, along with links to relevant documents. Suggestions from EA1617-01 directed to the developer or the GNWT are being considered as appropriate. These suggestions are not captured in the attached 2020 Annual Report.

As per our last annual report, the reporting period in this 2020 Annual Report covers activities between August 1, 2020 and July 31, 2021.

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The GNWT shared its report with the Tłıchǫ Government at the staff level for review before submission to the Mackenzie Valley Environmental Impact Review Board. Tłıchǫ Government staff had no comments on our report.

Should the Mackenzie Valley Environmental Impact Review Board or any parties have any questions, please contact Katie Rozestraten, Project Assessment Analyst, by email at Katie_Rozestraten@gov.nt.ca or Benjamin Bey, Environmental Analyst, by email at Benjamin_Bey@gov.nt.ca or by phone at (867) 767-9083 (Ext. 31058).

Sincerely,



Lorraine Seale
Director, Securities and
Project Assessment
Lands


FOR

Ziaur Rahman
Manager, Surface Design and
Construction
Infrastructure

Attachment



Government of the Northwest Territories'

Tłıchq All-Season Road Project
2020 Annual Environmental Assessment Measures
Report

(as required by Measures 14-1 and 14-2)

EA1617-01

SUBMITTED TO

Mackenzie Valley Environmental Impact Review Board

200 Scotia Centre, P.O. Box 938

YELLOWKNIFE, NT X1A 2N7

October 25, 2021

Tłchq All-Season Road: GNWT Annual Environmental Assessment Measures Report

This tabular report summarizes the Government of the Northwest Territories' (GNWT) 2020-2021 performance on twenty-three Tłchq All-Season Road (TASR, the Project) environmental assessment measures (EA1617-01). Reporting is made on behalf of the GNWT, both as the developer (Measure 14-1) and as Government and Regulatory Authorities (Measure 14-2). For reference, the reporting period spans from August 1, 2020 to July 31, 2021.

The measures that stipulated annual reporting be provided to the Mackenzie Valley Environmental Impact Review Board (the Review Board) are as follows:

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-1	Annual reporting from the developer	<p>To demonstrate how measures are being implemented and to evaluate the effectiveness of the developer's efforts to prevent or minimize impacts on the environment, the developer will, throughout all phases of the development, prepare an annual report on the implementation of measures. The report will address the measures that the developer is responsible for and will:</p> <p>a) describe the actions, including actions implemented through adaptive management, being undertaken to implement the measures; and, b) evaluate how effective the implementation actions are in reducing or avoiding the impact (considering the results of monitoring programs and adaptive management frameworks). Where applicable, provide references to further information contained in other management plans or monitoring reports.</p> <p>The developer will provide its annual report to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>
Measure 14-2	Annual reporting from government and regulatory authorities	<p>To help evaluate the effectiveness of mitigation measures for the protection of the environment, each regulatory authority or government that is wholly or partly responsible for implementation of any measure in this <i>Report of Environmental Assessment</i> will prepare an annual report on implementation of measures. The report will:</p> <p>a) describe the actions being undertaken to implement the measures or the part(s) of the measures for which the regulatory authority or government is responsible; and, b) explain how these actions, including those implemented through adaptive management, fulfill the intent of the EA measures, including consideration of the following questions:</p> <p style="margin-left: 40px;">i. How are implementation actions addressing a likely significant adverse impact on the environment? ii. How effective are implementation actions at reducing or avoiding the impact or its likelihood?</p> <p>Government and regulators are only responsible for reporting on the implementation actions they take, not actions taken by the developer. For example, if a regulator does not issue an authorization, provide direction to the developer, approve a management plan, or take other actions that relate to an EA measure(s) in a given year, the regulator will not need to submit a report for that year.</p> <p>The governments and regulators will provide their annual reports to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>

DESCRIPTION OF HOW MEASURES ARE BEING SATISFIED AND UNDER WHICH MEASURE (14-1 OR 14-2) THE REPORT IS BEING MADE

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-1	<p>Developer's support of monitoring and adaptive management of adverse health and well-being impacts</p> <p>Part 1 Monitor adverse health and well-being impacts to the Community of Whatì</p> <p>Part 2 Reporting</p> <p>Part 3 Adaptive management and re-evaluation</p>	<p>5-1. Part 1: Monitoring adverse health and well-being impacts to the Community of Whatì To inform mitigation of significant cumulative and project-specific adverse impacts on the health and well-being of the Community of Whatì, the developer will support the Tłıchƚ Government and Community Government of Whatì in the monitoring and evaluation of direct and indirect impacts of the Project on the health and well-being of the Community of Whatì. These will include:</p> <ul style="list-style-type: none"> the anticipated initial spike in harmful behaviours associated with increased access to drugs and alcohol; traffic accidents on the road; change in safety of young women and other vulnerable groups; and, change in harvest success rates and availability of country foods in Whatì. <p>Monitoring will meet the requirements of Appendix C.</p> <p>5-1. Part 2: Reporting The developer will support the Tłıchƚ Government and Community Government of Whatì in preparing an annual progress report on their efforts to mitigate impacts on health and well-being to the Community of Whatì.</p> <p>5-1 Part 3: Adaptive management and re-evaluation The developer, in collaboration with the Tłıchƚ Government and Community Government of Whatì, will support the adaptive management of health and well-being impacts, following guidance in Appendix B.</p> <p>The developer will support the Tłıchƚ Government and Community Government of Whatì, in the monitoring, engagement, reporting and adaptive management described in this measure for each year of construction and for a minimum of ten years of Project operations.</p>

DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE

2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS	2020-2021 DETAIL ON MEASURE PROGRESS
<p>This Measure is directed to the developer, reporting under Measure 14-1</p> <p>a) 5-1 Part 1: Monitoring adverse health and well-being impacts to Whatì: The Tłıchƚ All-Season Road is in the early phases of construction, with all permitting requirements being obtained in early September. As the road is only just being constructed, direct and indirect impacts of the Project on the health and well-being of the Community of Whatì are not anticipated at this time. The developer is, in preparation for completion of the construction of the road, working with and supporting the Tłıchƚ Government and the Community Government of Whatì as they prepare for road opening. The Tłıchƚ Government (TG) hosted a three-day Measure Review and Implementation Planning Workshop in January 2019, which was attended by staff from the Tłıchƚ Government (TG), the Government of the Northwest Territories (GNWT), Tłıchƚ Community Services Agency (TCSA), and the Community Governments of Behchokò and Whatì (CGB & CGW). During this meeting, a session was held to discuss socio-economic, health and way of life monitoring and reporting under measures 5-1 and 5-2. A key outcome from this session was the joint commitment of the parties to create the Health and Well-being Working Group for the TASR. The primary objective of this group is to cooperatively develop the health and well-being indicators, including thresholds and adaptive management plans relating to impacts from the TASR. The group will use a cooperative approach to come to a clear understanding of, approach to, and development of monitoring, evaluation, and reporting of indicators related to Measures 5-1 and 5-2. A draft Terms of Reference was developed in April 2019 and shared with all working group members, including staff from the TG, TCSA, GNWT departments of Health and Social Services (HSS) and Infrastructure (INF), CGB and CGW. The first meeting of the working group was held in April 2019.</p> <p>5-1 Parts 2 and 3: Reporting and adaptive management: Annual progress reports and adaptive management of the health and well-being impacts of the road on the Community of Whatì have not been initiated to date, given that the road is not yet constructed and open to the public. The developer will, once the road is open, support the Tłıchƚ Government and Community Government of Whatì in preparing an annual progress report. The developer will also support the TG and CGW in the adaptive management of health and well-being impacts.</p> <p>b) The effectiveness of the implementation actions cannot be fully assessed in this Annual Report, as measure implementation is in the early planning stages.</p>	<p>This Measure is directed to the developer, reporting under Measure 14-1</p> <p>a) 5-1 Part 1: Monitoring adverse health and well-being impacts to Whatì: The developer has and will continue to provide funding for the implementation and adaptive management of the framework to monitor any health and well-being impacts associated with the road.</p> <p>5-1 Parts 2 and 3: Reporting and adaptive management: The developer will continue to collaborate with the TG, CGW, CGB, TCSA and GNWT as the monitoring framework is finalized and a schedule for public engagement and reporting is finalized. Following implementation, the plan will be monitored and reviewed for adaptive management, if necessary.</p> <p>b) It is too early to determine the effectiveness of the actions taken as the plan has not yet been fully implemented. The developer is supportive of the approach that has been taken by the TG, CGW and GNWT-HSS on the implementation process.</p>	<p>This Measure is directed to the developer, reporting under Measure 14-1</p> <p>a) 5-1 Part 1: Monitoring adverse health and well-being impacts to Whatì: The developer continues to provide funding for a position within the GNWT for the implementation and adaptive management of the framework to monitor any health and well-being impacts associated with the road.</p> <p>5-1 Parts 2 and 3: Reporting and adaptive management: The developer will continue to support and collaborate with the TG, the CGW, the CGB, the TCSA and GNWT-HSS as the monitoring framework nears finalization and a schedule for public engagement and reporting is completed. Following implementation, the plan will be monitored, reviewed and adapted as necessary.</p> <p>b) It is still too early to determine the effectiveness of the actions taken as the monitoring has not yet been fully prepared or implemented.</p>

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-2	<p>Tłıchq monitoring, engagement and reporting of adverse health and well-being impacts</p> <p>Part 1 Tłıchq monitoring of adverse health and well-being impacts</p> <p>Part 2 Public engagement</p> <p>Part 3 Reporting</p>	<p><u>5-2, Part 1: Tłıchq monitoring of adverse health and well-being impacts</u> The Tłıchq Government, Government of the Northwest Territories, Tłıchq Community Services Agency and Community Government of Whatı, with the support of the developer, will establish and implement a framework to monitor and evaluate health and well-being impacts associated with the road, and will adaptively manage health and well-being impacts as described in Measure 5-1 and following guidance in Appendices B and C, for each year of construction and for a minimum of ten years of operations. Following ten years of Project operations, the Community Government of Whatı, Government of the Northwest Territories, Tłıchq Community Services Agency and Tłıchq Government in collaboration with the developer, will re-evaluate the need for, and frequency of, monitoring, engagement, reporting and adaptive management. If the monitoring of harvest success rates and availability of country foods in Whatı (in Measure 5-1, Part 1, above) indicates a declining trend in harvest success and the consumption of country foods, the Tłıchq Government and the Community Government of Whatı will develop and implement a strategy to address the decline in the availability of country foods for those most affected.</p> <p><u>5-2, Part 2: Public engagement</u> The Tłıchq Government, Government of the Northwest Territories, Tłıchq Community Services Agency and Community Government of Whatı, with the participation of the developer and the P3 operator, will meet with the residents of Whatı at least once per year to discuss: a) priority health and well-being impacts at the individual, family and community level related to the Project; b) the effectiveness of programs or mitigations used to address these impacts; and, c) the need to adjust programs or implement additional mitigations.</p> <p><u>5-2, Part 3: Reporting</u> The Tłıchq Government, Government of the Northwest Territories, Tłıchq Community Services Agency and Community Government of Whatı, with the support of the developer, will prepare and make publicly available an annual progress report on their efforts to mitigate impacts on health and well-being to the Community of Whatı. The report will describe engagement, current management and plans for future adaptive management. The findings of the report will be presented to the residents of Whatı, provided to the Whatı Inter-Agency Committee and provided to the Tłıchq All-Season Road Corridor Working Group (see Measure 14-3).</p>

DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE

2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS	2020-2021 DETAIL ON MEASURE PROGRESS
<p>This Measure is directed at the Tłıchq Government, TCSA and whole of the GNWT (with support of the developer). As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1 a) The developer attended the three-day workshop hosted by the Tłıchq Government (TG) and is a member of the Health and Well-being Working Group. The developer also reviewed the Terms of Reference for the group, distributed in April 2019. The developer will be providing funding for the implementation of monitoring of any health and well-being impacts, and will continue to be a participant of the Health and Well-being Working Group. b) The effectiveness of the implementation actions has yet to be seen as the project is in the early stages of implementation.</p> <p>Reporting under Measure 14-2 a) As noted under Measure 5-1, the Tłıchq Government (TG) hosted a three-day Measure Review and Implementation Planning Workshop in January 2019, which was attended by staff from the Tłıchq Government (TG), the Government of the Northwest Territories (GNWT), Tłıchq Community Services Agency (TCSA), and the Community Governments of Behchokq and Whatı (CGB & CGW). During this meeting, a session was held to discuss socio-economic, health and way of life monitoring and reporting requirements under measures 5-1 and 5-2. A key outcome from this session was the joint commitment of the parties to create the Health and Well-being Working Group for the TASR. The primary objective of this group is to cooperatively develop the health and well-being indicators, including thresholds and adaptive management plans relating to impacts from the TASR. The group will use a cooperative approach to come to a clear understanding of, approach to, and development of monitoring, evaluation, and reporting of indicators related to Measures 5-1 and 5-2. A draft Terms of Reference was developed in April 2019 and shared with all working group members, including staff from the TG, TCSA, GNWT departments of Health and Social Services (HSS) and Infrastructure (INF), CGB and CGW. The first meeting of the working group was held in April 2019. In addition to this meeting, the Department of Health and Social Services (HSS) met with the TCSA to have a preliminary discussion on territorial and regional health data, services, and programs and potentially related mitigations as well as current or anticipated actions that can support this work. In May 2019, the departments of</p>	<p>This Measure is directed at the Tłıchq Government, TCSA and whole of the GNWT (with support of the developer). As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1 a) The developer has and will continue to provide funding for the implementation and adaptive management of the framework to monitor any health and well-being impacts associated with the road. The developer will continue to collaborate with the TG, CGW, CGB, TCSA and GNWT as the monitoring framework is finalized and a schedule for public engagement and reporting is finalized. b) It is too early to determine the effectiveness of the implementation actions. The developer is supportive of the approach that has been taken by the TG, CGW and GNWT-HSS on the implementation process.</p> <p>Reporting under Measure 14-2 a) The regulatory partners are currently working together to review and agree upon indicators, thresholds to assess change, and effective and responsive mitigations for this measure. GNWT-HSS met with TCSA to discuss the project, current health and social issues in the impacted communities, and progress on the monitoring and mitigation plan in August and September 2020. HSS met with TG and the Community Government of Whatı (CGW) working group members in September 2020 to review and assess preliminary data, identify further information required, identify program areas and mitigation areas to be investigated and receive critical feedback and guidance. Follow-up meetings with the TCSA, TG and CGW are currently scheduled for end of September and will focus on updates for baseline data as well as information from program areas.</p>	<p>This Measure is directed at the Tłıchq Government, TCSA and whole of the GNWT (with support of the developer). As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1 a) The developer continues to provide funding for the implementation and adaptive management of the framework to monitor any health and well-being impacts associated with the road, including ongoing collaboration with the TG, CGW, CGB, the TCSA and the GNWT as the monitoring framework nears finalization. b) It is still too early to determine the effectiveness of the implementation actions, as road operations have not yet commenced.</p> <p>Reporting under Measure 14-2 a) Collaboration between the Tłıchq Government, the TCSA, the CGW and the GNWT-HSS on the development and implementation of a monitoring framework, for evaluating and responding to health and well-being impacts associated with the road, continues and is nearing completion. Baseline data has been collected and a suite of indicators to monitor, including response thresholds and mitigative actions, have been identified and is nearly complete, with the objective of responding to and mitigating potentially adverse impacts associated with the operations of the road.</p>

HSS, Justice (JUS), and Education, Culture and Employment (ECE) attended the Whatì Interagency Committee meeting with other GNWT departments, the TG, and community members. At the Whatì Interagency Committee meeting the approach to implementing the measure as well as potential sources of data were discussed. At this meeting, JUS and ECE joined the working group to support the cooperative approach of all parties as it relates to their mandate areas. Working Group meetings will continue throughout 2019 and 2020 to cooperatively develop the monitoring and mitigation framework and identify needs and appropriate indicators of health and well-being. HSS has assembled preliminary health and wellness indicators and data to be considered and discussed in the next Working Group meeting and to receive feedback on where more information may be needed. Some of these include but are not limited to: baseline information on alcohol and drug hospitalizations, data related to emergency department visits, data related to children receiving services, chronic diseases and infections.

JUS has committed to supporting the monitoring of adverse health and well-being effects of the TASR to the Community of Whatì by participating in post-EA processes and providing data that it, or its partner, the RCMP, tracks, where appropriate. With respect to the "anticipated initial spike in harmful behaviours associated with increased access to drugs and alcohol", JUS will provide information on community patrols and seizures of controlled and prohibited substances and illegal firearms¹. With respect to the "*change in safety of young women and other vulnerable groups*," JUS can provide information on RCMP presence, police reported crime by nature of offence (including alleged sexual assaults) and the frequency with which victims' services are utilized. This data can be used in the annual progress report and to determine if and how adaptive management of health and well-being impacts will occur.

As well, Annual Policing Priority Action Plans (Action Plans) are developed in partnership between the RCMP and community leadership. Priorities are developed based on the specific needs of each community and provide the opportunity to examine current community safety pressures and plan for future demands. These action plans are revisited annually and revised as necessary by the community and the RCMP. Action Plan reporting to track the RCMP and community goals is captured on a template and reported on a quarterly basis. Reports are provided to Mayors and Chief and Council and may be distributed by the community as a public document if the community so wishes.

Along with its membership on the Whatì Interagency Committee, the department of ECE is able to provide information on the following programs:

- Income Security Programs - Income Assistance, Seniors Home Heating Subsidy, Seniors Supplementary Benefit, Student Financial Assistance, NWT Child Benefit;
- Early Childhood - # of Early Childhood Care Spaces, # of EC Licensed Programs, Early Childhood Development Instrument Reports;
- Employment and skills training – data from NWT Stats Bureau, GNWT Labour Market Programs, Apprenticeships;
- Education - Junior Kindergarten – Grade 12 student data;
- Indigenous Languages- Reports from Tlicho Government Regional Language Plans – Stats from 2014 Community Survey (# of speakers by language/community)

The data collected as part of these programs can be used by the Whatì Inter-Agency Committee and will help the Committee determine the effectiveness of mitigations to address potential health and well-being impacts. Moving forward, GNWT will continue to work closely and collaboratively with the TG, Community Governments, and TCSA to ensure that the indicators selected for the monitoring plan are jointly decided upon and that culturally relevant and community orientated mitigations are included. This will ensure a responsive monitoring and mitigation plan is developed that best fits the needs of the community.

- b) The actions completed to date outline the progress that has been made in implementing this measure. The effectiveness of this work cannot be assessed at this time, as the project is in the early development stage.

¹ There are some situations in which data may be held back at the community level to avoid privacy violations.

- b) The regulatory bodies are working together to ensure that impacts to well-being can be tracked, monitored and mitigated effectively. It is too early to identify, assess or mitigate significant adverse impacts from the project. HSS anticipates that with continued close engagement with the TG, CGW, the Community Government of Behchokò and the TCSA, a fulsome and responsive monitoring and adaptive management framework can be agreed upon in the coming months. This plan will also need to consider the exceptional activities and impacts incurred from COVID-19.

- b) The responsible governments continue to collaborate on finalizing a framework for monitoring and evaluating health and well-being impacts, which is very nearly complete. It remains too early to assess how effective the identified implementation actions are with respect to reducing or avoiding impacts, as operations of the road have not yet commenced.

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-3	Safety of young women in relation to work camps	To mitigate the Project's impact on the physical and mental health and safety of women, the developer will require that the successful P3 operator has gender appropriate and gender-specific policies in place that promote a safe, respectful and inclusive environment for women at work and in communities near work camps. The developer will consult with the Tłıchq Government and Community Government of Whatì in establishing core elements of these policies.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS	2020-2021 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Hiring for the construction of the road has started and will continue as required to meet construction demands. Women have been hired from the community and were orientated using gender-specific policies. The gender-specific policies were developed in consultation with the Community Governments to ensure the safety of all women at the camp. The P3 operator (North Star Infrastructure), acting on behalf of the developer, continues to consult on a weekly basis with Tłıchq Government representatives and the Community Governments of Whatì and Behchokò on the policies. This ongoing consultation helps in the continuous improvement of the new-hire orientation program.</p> <p>With the exception of Behchokò residents, workers and staff are required to stay in camp during non-working hours. Daily and weekly meetings are held with worker representatives and senior leadership, providing a forum for issues and concerns to be raised and resolved.</p> <p>No safety issues or concerns have been raised by any female employees since the implementation of the policies.</p> <p>b) The full effectiveness of the implementation actions cannot be assessed in this (2018) Annual Report, as construction has been ongoing for approximately a month and a half. However, at this time the actions taken to reduce or avoid impacts on the physical and mental safety of women have been successful as no issues have been raised.</p>	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Hiring for the construction of the road has been ongoing to meet construction staffing demands. Women have been hired from the Tłıchq communities and there are currently 31 Tłıchq women working on the TASR project. Senior Management from the P3 Operator (North Star Infrastructure), acting on behalf of the developer, continues to consult on a bi-weekly basis with the Tłıchq Government Client Services Directors who represent the Tłıchq Government's four communities. Initiatives to "improve opportunities for Woman in the Trades Industry" are items on the bi-weekly agenda. During these discussions, any employee grievances, safety issues or incidents are supposed to be brought up and resolved.</p> <p>The gender-specific policies developed are still being applied and appear to be working effectively.</p> <p>No safety issues or concerns have been raised by any female employees since the implementation of the policies and during the bi-weekly meetings.</p> <p>b) The actions taken to reduce or avoid impacts on the physical and mental safety of women appear to have been successful as no issues have been raised so far.</p> <p>The developer's Community Coordination Lead (CCL) is coordinating with the TG Career Development Manger to identify potential female candidates to fill positions during the operational phase of the project when the construction is complete. The CCL attended the Health and Social Services and Whatì Community Government Working Group meetings on September 23, 2020.</p>	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Hiring for the construction of the road has been ongoing to meet construction staffing demands. Women have been hired from the Tłıchq communities and there are currently 16 Tłıchq women working on the TASR project. Senior Management from the P3 Operator (North Star Infrastructure), acting on behalf of the developer, continues to consult on a bi-weekly basis with the Tłıchq Government Client Services Directors who represent the Tłıchq Government's four communities. Initiatives to "improve opportunities for Woman in the Trades Industry" are items on the bi-weekly agenda. During these discussions, any employee grievances, safety issues or incidents are supposed to be brought up and resolved.</p> <p>Gender-specific policies developed are still being applied and appear to be working effectively.</p> <p>No safety issues or concerns have been raised by any female employees since the implementation of the policies and during the bi-weekly meetings.</p> <p>b) The actions taken to reduce or avoid impacts on the physical and mental safety of women appear to have been successful as no issues have been raised so far.</p> <p>The developer's Community Coordination Lead is coordinating with the Tłıchq Government Career Development Manger to identify potential female candidates to fill positions during the operational phase of the project when the construction is complete. The project hired a total of 72 female craft and subcontractor Tłıchq citizen workers since the beginning of the project.</p>

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-4	Employee awareness training and policies	To promote a positive, safe and inclusive work environment, the developer will ensure that the P3 operator: <ul style="list-style-type: none"> • establishes a workplace environment that prevents assault, harassment and racism; • has a zero-tolerance harassment policy for racial or sexual discrimination; and, • requires employees to take a training course designed to promote cultural and gender awareness. The developer will develop appropriate training materials, in consultation with the Tłıchǫ Government and the Tłıchǫ Community Services Agency, that reflect the factors that increase risks of sexual assaults on Aboriginal women. The developer, the Tłıchǫ Government and the Tłıchǫ Community Services Agency will coordinate course delivery. The developer will fund the training course.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer required employee awareness training and policies be developed in consultation with the Tłıchǫ Government and the Tłıchǫ Community Services Agency to ensure all personnel working onsite completed a mandatory onsite orientation. This has been completed. The onsite orientation provides training on key elements of workplace safety with emphasis on zero-tolerance for harassment, racial or sexual discrimination. Policy reminders are posted at worksite vantage points.</p> <p>The P3 operator is working with the Tłıchǫ Government and the Tłıchǫ Community Services Agency, to ensure that training materials cover factors that are likely to increase risks of sexual assaults on Indigenous women. The P3 operator meets weekly with Tłıchǫ Government and the Tłıchǫ Community Services Agency to review the policies.</p> <p>Racial or sexual discrimination, sexual assault or harassment has not been reported since commencement of construction on September 2, 2019 until this report has been prepared in October 2019.</p> <p>b) The effectiveness of the implementation actions cannot be fully assessed in this (2018) Annual Report, as construction has been ongoing for approximately a month and a half. However, at this time the actions taken to reduce or avoid impacts have been successful as no issues have been raised.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) In consultation with the Tłıchǫ Government and the Tłıchǫ Community Services Agency, the developer has developed employee awareness training and policy guidelines for all employees. The developer completes a mandatory onsite awareness training and roll out of policies during new employee orientations. The grievance process/mechanism is presented to all employees during the new hire orientation. Any issues, incidents or employee grievances are encouraged to be reported at the bi-weekly meeting between the developer and the TG Client Services Directors.</p> <p>b) The actions taken to implement this measure appear to have been effective. No incidents of racial or sexual discrimination, sexual assault or harassment were reported during the 2019-20 reporting period nor have any incidents been reported since the commencement of construction on September 2, 2019.</p>
		2020-2021 DETAIL ON MEASURE PROGRESS
		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) No change from the 2019-2020 response.</p> <p>b) The actions taken to implement this measure appear to have been effective. The grievance process has proven to work as the ones brought forward were resolved rapidly. No incidents of racial or sexual discrimination, sexual assault or harassment were reported during the 2020-2021 reporting period nor have any incidents been reported since the commencement of construction on September 2, 2019.</p>

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-5	Community engagement and grievance mechanisms	The developer will hold public engagement sessions with the Communities of Whatì and Behchokò to discuss project-related community concerns. The developer will have a camp grievance mechanism and a community grievance mechanism that allow individuals and communities to raise concerns in a timely and open manner. These will be in place before the start of Project construction.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS	2020-2021 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Public engagement sessions were held in the communities as follows:</p> <p>June 17, 2019 - Behchokò Cultural awareness/signage meeting June 18, 2019 - Whatì Career Fair June 19, 2019 - Behchokò Community information meeting June 20, 2019 - Behchokò Community information meeting August 7, 2019- Whatì Community Engagement regarding Camp and Community Grievance policy. The Community Coordinator Lead (CCL) went to Whatì to review the policies. August 8, 2019- Behchokò Community Engagement regarding Camp and Community Grievance policy. The CCL also went to Behchokò to review the policies.</p> <p>The developer has designed a camp grievance mechanism and a community grievance mechanism. The camp grievance mechanism was put in place prior to September 3, 2019 and is included in the onsite orientation. The grievance policies were reviewed with the TG Client Service Department on September 25 and October 2, 2019, respectively. The TG meets weekly with the developer to review events, grievances, and policies.</p> <p>b) The implementation actions have been successful at this early stage of construction, as the grievance mechanisms have been developed in coordination with the communities of Behchokò and Whatì and were in place prior to the start of construction. The effectiveness of the grievance mechanisms has yet to be tested as no concerns or issues have been raised.</p>	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Due to COVID-19, in-person Community Engagement has been postponed. The TG Client Services Directors are developing a process for outside companies to conduct Community Engagement. The engagement process is updated during the TG Client Service bi-weekly meetings. The developer will follow all guidelines for the TG Community Engagement process. On August 20, 2020, the developer hosted a TASR site tour for the Behchokò Chief and Council members.</p> <p>The developer has designed a camp grievance mechanism and a community grievance mechanism. The camp grievance mechanism was put in place prior to September 3, 2019 and is included as an element of the onsite orientation. The grievance policies were reviewed with the TG Client Service Department on September 25 and October 2, 2019, respectively. The TG Client Services meets bi-weekly or as needed with the developer to review events, grievances, and policies.</p> <p>b) The effectiveness of the grievance mechanisms have proven to work effectively in responding to concerns or issues as demonstrated in the test case below:</p> <ul style="list-style-type: none"> In July 2020, an employee let the Community Coordination Lead know that he had a grievance with his Supervisor. The CCL informed the operation Manager on site. The following day, the Manager and the employee filled out the Grievance form. The next day, the Manager spoke to the Supervisor about the grievance. The Supervisor admitted he raised his voice and used inappropriate language. The Supervisor was reprimanded that day. The following day, the Supervisor decided to speak to all the staff and other Supervisors. He apologized and admitted he made a mistake and should not have raised his voice or used such language The following week there was a "Toolbox training" for all staff, foremen, supervisors and employees regarding proper communication and conduct. Four days after the incident, the CCL spoke to the employee to keep him updated on the process. On the seventh day, CCL spoke to the Client Service representative to give an update on the incident and the resolution. CCL called the employee on the eighth day to update him on the resolution. The employee said "I feel better about the issue." 	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Due to COVID-19, in-person Community Engagement has been challenging during the 2020-2021 reporting period. The Tìchq Government Client Services Directors have developed a process for outside companies to conduct Community Engagement. The engagement process is updated during the Tìchq Government Client Service bi-weekly meetings. The developer followed all guidelines for the Tìchq Government Community Engagement process. On July 12, 2021, the developer hosted a TASR site tour for the Whatì Chief and Council members as part of the engagement process for the community to assess the construction progress.</p> <p>The developer designed a camp-grievance mechanism and a community-grievance mechanism. The camp-grievance mechanism was put in place prior to September 3, 2019 and is included as an element of the onsite orientation. The grievance policies were reviewed with the Tìchq Government Client Service Department as and when necessary. The Tìchq Government Client Services meets bi-weekly or as needed with the developer to review events, grievances, and policies.</p> <p>b) The implementation of the grievance mechanisms at the beginning of the project have proven to be successful, as demonstrated during the reporting period of 2019-2020. There were no grievances during the 2020-2021 reporting period but there is no indication of ineffectiveness in the grievance resolution mechanisms.</p>

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-6	Include Behchokò in accident response planning	The Government of the Northwest Territories will develop and implement an effective ground ambulance and highway rescue action plan along the road that will be designed in collaboration with the Tłıchq Government (TG), Tłıchq Community Services Agency (TCSA), Community Government of Whatì, and Community Government of Behchokò.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS	2020-2021 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the GNWT, reporting under Measure 14-2</p> <p>Background on NWT Ground Ambulance Highway Rescue (GAHR) Action Plan:</p> <p>In 2017, the GNWT started work on an action plan to address gaps, deficiencies, and to identify future needs relative to the current ground ambulance and highway rescue services system in the Northwest Territories. Project activities included researching service delivery standards, and assessing the current operating environment with a view to determining the operational and financial requirements necessary to sustain a desired standard of service. In February 2019, work was completed on a Findings and Recommendations Report which was used as a basis for a two-year action plan approved in June 2019.</p> <p>The action plan places an immediate priority on governance and establishing an acceptable fiscal arrangement between the GNWT and community governments which deliver mature ground ambulance and rescue services on territorial highways. Territorial legislation empowers community governments to establish ground ambulance and rescue services and to extend those services beyond municipal boundaries. The GNWT supports these efforts with funding, training, tools and guidance. The action plan includes work on a revised funding policy to support a fair and equitable approach to funding GAHR across the territory, and establishment of a basic service delivery model with key elements to support the design, development, implementation, and maintenance of GAHR services in the NWT. The GNWT fully anticipates that outcomes from the action plan will inform the establishment of new or expanded services in the NWT.</p> <p>a) Implementation of Measure 5-6, GAHR Action Plan Project for the TASR:</p> <ul style="list-style-type: none"> In January 2019, the TG hosted a three-day Measures Review and Implementation Planning Workshop wherein the TG, TCSA, GNWT (including MACA, HSS), and Community Governments agreed to create a working group to jointly move forward and address this measure. In the spring of 2019, a working group was established and two preliminary meetings were held in May/June to further define the project's scope, key objectives, and the engagement process for implementing Measure 5-6 and developing an effective GAHR action plan for the TASR. The working group is chaired by MACA (Municipal and Community Affairs), and includes the GNWT-HSS, TG, TCSA, and the Community Governments of Whatì and Behchokò. In June 2019, a Project Charter was finalized in collaboration with the working group which outlines the project scope, priority activities, and a critical path forward for meeting the intent of Measure 5-6. In July 2019, a Terms of Reference was developed in collaboration with the working group which defines the scope, methodology, and key deliverables for examining the current operating environment and informing the development of a GAHR action plan for the TASR. MACA also developed an assessment outline for the working group to provide additional clarity on focus areas to be examined, and to assist the TCSA and Community Governments with preparing any support materials in advance of the scheduled community visits. On September 16th, 2019, a Knowledge Gathering Session was held in the community of Behchokò involving key policy and operational staff from the TG, TCSA, and Community Governments of Whatì and Behchokò. MACA provided a backgrounder on the broader NWT GAHR Action Plan, reviewed key components of the Project Charter, and described the approach that will be used for conducting the operational assessment. HSS facilitated 	<p>This measure is directed to the GNWT, reporting under Measure 14-2</p> <p>a) Current actions and progress on implementation of Measure 5-6, Ground Ambulance Highway Rescue (GAHR) Action Plan Project for the TASR:</p> <ul style="list-style-type: none"> In February 2020, MACA facilitated a follow-up presentation for the working group (MACA, HSS, TG, TCSA, Whatì, Behchokò) which included a progress update, assessment overview, key findings, and a recommended approach going forward; The working group connected again in July 2020 to discuss recommended next steps, including a community-level review about current capacity and service level options using information provided by MACA; At the request of the Community Governments of Whatì and Behchokò, MACA offered to present at a joint council meeting in Behchokò once a date can be determined. A follow-up meeting will then be scheduled with the working group to discuss next steps; In the interim, MACA is working on completing an operational risk assessment on the types of traffic, hazards, response distances, and other risk considerations to further support decision making on a desired service level. <p>b) Effectiveness of these actions towards meeting the intent of Measure 5-6, GAHR Action Plan Project for the TASR:</p> <ul style="list-style-type: none"> The GNWT continues to collaborate with the working group throughout the project to provide clarity on the current operating environment, response capacity, service level options, resource needs, budget impacts, and other important safety considerations required to develop safe, effective and sustainable emergency response services for the TASR. Forthcoming decisions from the Community Governments of Whatì and Behchokò and other stakeholders on whether to expand services beyond the current level will determine how best to proceed with action plan development. The timeframe for implementation and implications on existing services is highly dependent on the outcome of those decisions. 	<p>This measure is directed to the GNWT, reporting under Measure 14-2</p> <p>a) Current actions and progress on implementation of Measure 5-6, Ground Ambulance Highway Rescue (GAHR) Action Plan Project for the TASR:</p> <ul style="list-style-type: none"> Key activities completed to date include an assessment of the current operating environment, local capacity and resource considerations, service level options and key decision points. MACA has updated the Tłıchq Highway Working Group and the elected officials of the Community Governments of Whatì and Behchokò, on assessment findings and the proposed approach going forward. MACA has also completed an operational risk assessment for the Tłıchq Highway Working Group related to the types of traffic, hazards, response distances, and other risk considerations to further support decision making on a desired service level. MACA has developed and provided an action plan for the delivery of ground ambulance and highway rescue along the TASR and has identified local capacity challenges that currently exist in the communities of Behchokò and Whatì. As such, MACA has recommended to the Tłıchq Government, TCSA, CGW, and CWB to continue efforts to develop their local fire services in attaining industry best practices and safety related foundational elements prior to considering implementation and delivery of ground ambulance and highway rescue services. <p>b) Effectiveness of these actions towards meeting the intent of Measure 5-6, GAHR Action Plan Project for the TASR:</p> <ul style="list-style-type: none"> Considering the above, MACA feels it has met the intent of Measure 5-6 and will continue collaborative efforts with the communities of Whatì and Behchokò in achieving necessary fire service foundational elements and support and guide efforts as community capacity expands to include decisions on emergency services that consider GAHR. The GNWT continues to collaborate with the working group throughout the project to provide clarity on the current operating environment, response capacity, service level options, resource needs, budget impacts, and other important safety considerations required to develop safe, effective and sustainable emergency response services for the TASR.

<p>the knowledge gathering discussion which explored local historical knowledge, key policies and governance challenges, and other barriers and successes related to the current operating environment. Information gathered from this session will be included in the overall assessment and inform the development of an action plan for the TASR.</p> <ul style="list-style-type: none"> • In October 2019, the Office of the Fire Marshal (MACA) visited the communities of Whatì and Behchokò to conduct an operational assessment of GAHR rescue services. This work involved interviews with key management and operational staff on governance, policies, service levels, staffing, equipment, operating procedures, training, inter-agency coordination, and other foundational elements for the establishment and delivery of emergency response services. • MACA will prepare a draft report on the community operational assessment findings. These findings will be made available for the working group to review. The working group will also discuss next steps towards the development and implementation of an action plan. To inform this work, HSS will be working with MACA and Executive and Indigenous Affairs (EIA) to provide clarity on the current legal, policy, and financial arrangements that are in place involving existing services delivered by the TCSA. • Moving forward, the GNWT (MACA, HSS) will continue to work closely and collaboratively with the TG, TCSA, and the Community Governments of Whatì and Behchokò to ensure priority actions are meeting the intent of the measure. <p>b) The actions completed to date outline the progress that has been made in implementing this measure. The effectiveness of this work cannot be assessed at this time, as the project is in the early development stage.</p>		
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MEASURE		MEASURE SPECIFICS																																																																																																																																	
Community well-being																																																																																																																																			
Measure 5-7	Prioritize Northern hiring	The developer will prioritize Northern hiring, and Tłchq citizen hiring in particular, in its contract with the P3 operator.																																																																																																																																	
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<p>a) The developer has prioritized Northern Hiring and currently has a total of 15 local people from the Community of Behchokq and the Hamlet of Fort Providence working on the Tłchq All-season Road Project since the start of construction on September 3, 2019.</p> <p>Further hiring is ongoing and clear data on the number of local people hired for the project will be provided in the next annual report. To date, there has not been any complaint from the community governments about the hiring process.</p> <p>b) The project agreement ensures that Northern hiring will be prioritized and has been effective at this early stage in construction. The effectiveness will continue to be monitored throughout construction and operations.</p>		<p>a) The developer has prioritized Northern hiring and ensures Northern employment opportunities are fulfilled by onsite management by reviewing and considering all resumes received from Northern applicants. To encourage Northern hiring, the developer, in consultation with the Tłchq Community Services Agency developed and organized job site heavy equipment training for Tłchq community members between July 13, 2020 and August 15, 2020. Twelve students enrolled in the program out of which nine graduated with certification in heavy equipment operations that will enhance their employability, not only on the TASR Project but also on other construction projects in the Territory. The three students who could not complete the initial training due to family emergencies later graduated as well.</p> <p>b) The developer has prioritized Northern hiring and has consistently added Tłchq and Northern employees each month in 2020. The developer advertised on the TG Facebook page and a hiring poster during Q2 (June 2020). So far, the actions taken to ensure prioritizing Northern hiring have been effective as reflected in the increasing number of Tłchq workers being employed on the project. The table below shows a breakdown and percentage of Tłchq workers. Tłchq workers are made up of Tłchq residents plus Tłchq Investment Corporation (TIC) approved workers. As shown in the table below, there was a sudden increase in the number of workers in June as a means of the contractor catching up with project schedules following a six-week shutdown due to COVID-19.</p> <p style="text-align: center;">Number and Percentage of Tłchq and Northern Workers between January and August 2020</p> <table border="1"> <thead> <tr> <th>Month of Year</th> <th>Total Workers on Project</th> <th>Tłchq Residents +TIC-Approved Workers</th> <th>% of Tłchq Residents +TIC-Approved Workers</th> <th>Northern Residents</th> <th>% of Northern Residents</th> </tr> </thead> <tbody> <tr> <td>Jan - 2020</td> <td>100</td> <td>33</td> <td>33</td> <td>10</td> <td>10</td> </tr> <tr> <td>Feb - 2020</td> <td>110</td> <td>30</td> <td>27</td> <td>9</td> <td>8</td> </tr> <tr> <td>March - 2020</td> <td>124</td> <td>32</td> <td>26</td> <td>16</td> <td>13</td> </tr> <tr> <td>April - 2020</td> <td>50</td> <td>13</td> <td>26</td> <td>2</td> <td>4</td> </tr> <tr> <td>May - 2020</td> <td>57</td> <td>14</td> <td>25</td> <td>4</td> <td>7</td> </tr> <tr> <td>June - 2020</td> <td>184</td> <td>127</td> <td>69</td> <td>6</td> <td>3</td> </tr> <tr> <td>July - 2020</td> <td>256</td> <td>183</td> <td>71</td> <td>32</td> <td>13</td> </tr> <tr> <td>August - 2020</td> <td>276</td> <td>200</td> <td>73</td> <td>33</td> <td>12</td> </tr> </tbody> </table>		Month of Year	Total Workers on Project	Tłchq Residents +TIC-Approved Workers	% of Tłchq Residents +TIC-Approved Workers	Northern Residents	% of Northern Residents	Jan - 2020	100	33	33	10	10	Feb - 2020	110	30	27	9	8	March - 2020	124	32	26	16	13	April - 2020	50	13	26	2	4	May - 2020	57	14	25	4	7	June - 2020	184	127	69	6	3	July - 2020	256	183	71	32	13	August - 2020	276	200	73	33	12	<p>a) The developer has prioritized Northern hiring and ensures Northern employment opportunities are fulfilled by onsite management by reviewing and considering all resumes received from Northern applicants. To encourage Northern hiring during the COVID pandemic, the developer, in consultation with the TCSA developed and organized Virtual Training for the Tłchq community members. The purpose of this program was to provide community citizens an introduction to the construction industry. Furthermore, once selected for employment, training was provided in a hands-on manner to increase understanding. Assistance was provided to review and complete hire-on paperwork as needed. In addition to other initiatives identified, the Developer has identified and is utilizing Tłchq workers with strong communication skills to help communicate tasks to other Tłchq citizens with less advanced English language skills.</p> <p>b) The developer prioritized Northern hiring and was actively hiring Tłchq and Northern employees each month in the 2020-2021 reporting period. Positions were advertised on the Tłchq Government Facebook page. So far, the actions taken to ensure prioritizing Northern hiring have been effective as reflected in the increasing number of Tłchq workers being employed on the project. The table below shows a breakdown and percentage of Tłchq workers. Tłchq workers are made up of Tłchq residents plus Tłchq Investment Corporation (TIC) approved workers.</p> <p style="text-align: center;">Number and Percentage of Tłchq and Northern Workers between September 2020 and July 2021</p> <table border="1"> <thead> <tr> <th>Month of Year</th> <th>Total Workers on Project</th> <th>Tłchq Residents +TIC-Approved Workers</th> <th>% of Tłchq Residents +TIC-Approved Workers</th> <th>Northern Residents</th> <th>% of Northern Residents</th> </tr> </thead> <tbody> <tr> <td>Sept - 2020</td> <td>264</td> <td>177</td> <td>67%</td> <td>40</td> <td>15%</td> </tr> <tr> <td>Oct - 2020</td> <td>227</td> <td>160</td> <td>70%</td> <td>24</td> <td>11%</td> </tr> <tr> <td>Nov - 2020</td> <td>150</td> <td>103</td> <td>69%</td> <td>17</td> <td>11%</td> </tr> <tr> <td>Dec - 2020</td> <td>45</td> <td>25</td> <td>55%</td> <td>7</td> <td>16%</td> </tr> <tr> <td>Jan - 2021</td> <td>3</td> <td>2</td> <td>67%</td> <td>1</td> <td>33%</td> </tr> <tr> <td>Feb - 2021</td> <td>3</td> <td>2</td> <td>67%</td> <td>1</td> <td>33%</td> </tr> <tr> <td>Mar - 2021</td> <td>8</td> <td>7</td> <td>88%</td> <td>3</td> <td>38%</td> </tr> <tr> <td>April - 2021</td> <td>8</td> <td>7</td> <td>88%</td> <td>3</td> <td>38%</td> </tr> <tr> <td>May - 2021</td> <td>122</td> <td>59</td> <td>48%</td> <td>3</td> <td>2%</td> </tr> <tr> <td>June - 2021</td> <td>115</td> <td>47</td> <td>41%</td> <td>14</td> <td>12%</td> </tr> <tr> <td>July - 2021</td> <td>129</td> <td>73</td> <td>57%</td> <td>20</td> <td>16%</td> </tr> </tbody> </table> <p>The Virtual community training program has proven to be effective. The targeted number of enrollments was twenty-two candidates. A total of twenty-four students were selected and a total of seven students attended. After a 24-hour online training was provided, they were awarded a certificate and invited to a site tour of the project on June 24, 2021.</p>		Month of Year	Total Workers on Project	Tłchq Residents +TIC-Approved Workers	% of Tłchq Residents +TIC-Approved Workers	Northern Residents	% of Northern Residents	Sept - 2020	264	177	67%	40	15%	Oct - 2020	227	160	70%	24	11%	Nov - 2020	150	103	69%	17	11%	Dec - 2020	45	25	55%	7	16%	Jan - 2021	3	2	67%	1	33%	Feb - 2021	3	2	67%	1	33%	Mar - 2021	8	7	88%	3	38%	April - 2021	8	7	88%	3	38%	May - 2021	122	59	48%	3	2%	June - 2021	115	47	41%	14	12%	July - 2021	129	73	57%	20	16%
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MEASURE		MEASURE SPECIFICS
Boreal caribou		
Measure 6-1	<p>Implementation of the Recovery Strategy for the Boreal Caribou in the NWT, and required range plans, for boreal caribou affected by the Project</p> <p>Part 1 Develop and implement range plans</p> <p>Part 2 Information and adaptive management requirements</p>	<p><u>6-1, Part 1: Develop and implement range plans</u> The GNWT-ENR will develop and implement a range plan for boreal caribou (t̄d̄z̄ı) in the North Slave portion of the NT1 range, as required by the Recovery Strategy for the Boreal Caribou in the NWT. The GNWT-ENR will also develop and implement a range plan for any other region where boreal caribou (t̄d̄z̄ı) may experience impacts related to the Project.</p> <p>The range plan(s) will be developed collaboratively with Aboriginal groups and co-management partners. GNWT-ENR will complete and submit a range plan for the North Slave portion of the NT1 range to the Wek'èezhì Renewable Resources Board for review under section 12.5.1 of the T̄h̄ch̄ Agreement a minimum of 90 days before the Project is opened for public use.</p> <p>The GNWT will work collaboratively with the T̄h̄ch̄ Government, and other relevant Aboriginal and federal land management authorities to manage habitat to achieve the habitat disturbance threshold set out in this range plan to the greatest extent possible. The GNWT will consult with applicable Aboriginal groups as required.</p> <p><u>6-1, Part 2: Information and adaptive management requirements</u> For the area identified by the range plan(s) in measure 6-1, part 1 the following must be included in the development and implementation of the Recovery Strategy for the Boreal Caribou in the NWT or range plan(s):</p> <ul style="list-style-type: none"> • monitoring to determine population trends, abundance and distribution; • determination of population thresholds and triggers to inform adaptive management; • harvest monitoring and reporting; • determining sustainable harvest levels; • identifying critical habitat; • ongoing habitat disturbance monitoring; • setting disturbance thresholds for critical habitat and, to the greatest extent possible, managing habitat towards meeting these disturbance thresholds for each range planning region; and, • monitoring predator populations including densities, movements and predation rates. <p>Monitoring will meet the requirements of Appendix C. GNWT-ENR will work with the developer to adaptively manage Project impacts on boreal caribou (t̄d̄z̄ı) (following guidance in Appendix B).</p>

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<p>This measure is directed to the GNWT-ENR, reporting under Measure 14-2</p> <p>a) 6-1 Part 1: Develop and implement range plans: In August 2019, GNWT-ENR released A Framework for Boreal Caribou Range Planning (the Framework) that will guide the development of five regional range plans for boreal caribou. The Framework is intended to guide what factors regional range plans will consider, how disturbance will be managed, what kinds of actions are recommended for different levels of disturbance, and how those actions will be implemented. This includes setting regional limits for total habitat disturbance, and human disturbance thresholds to determine the intensity of management actions required. Range planning for the Southern NWT and the Wek'èezhì regions will start in fall 2019. The Framework is available on ENR's website at https://www.enr.gov.nt.ca/sites/enr/files/resources/boreal_caribou_range_planning_framework_2019_-_cadre_de_planification_de_la_repartition_du_caribou_boreal_2019.pdf.</p> <p>ENR will engage with Indigenous governments and organizations (IGOs), renewable resources boards, land use planning boards, regulatory boards, industry and non-governmental organizations during the development of boreal caribou range plans for Southern NWT and the Wek'èezhì region.</p> <p>6-1 Part 2: Information and adaptive management requirements: ENR initiated a boreal caribou monitoring program in the North Slave region focused on the TASR corridor in March 2017, with the deployment of 20 GPS collars on adult female caribou. Five more collars were deployed in the study area in March 2018, and ENR completed the first classification survey to determine cow: calf ratios in March 2018. Seven more collars were deployed in March 2019, and classification surveys were also completed. There are currently 30 active collared</p>	<p>This measure is directed to the GNWT-ENR, reporting under Measure 14-2</p> <p>a) 6-1 Part 1: Develop and implement range plans: ENR has been working to collaboratively develop and implement range plans for boreal caribou (t̄d̄z̄ı). ENR hosted Wek'èezhì range planning working group meetings in Yellowknife on November 13, 2019, and on February 12, 2020. Participants included the Wek'èezhì Renewable Resources Board (WRRB), T̄h̄ch̄ Government (TG), Yellowknives Dene First Nation (YKDFN), North Slave Métis Alliance (NSMA), Environment and Climate Change Canada (ECCC) and the departments of Industry, Tourism and Investment, Lands and Executive and Indigenous Affairs. COVID-19 related restrictions resulted in planned community meetings being postponed until late-fall 2020 at the earliest. These meetings were to be led by TG, NSMA and YKDFN to document Traditional Knowledge about important areas for boreal caribou. These community meetings are an essential step in the range planning process as ENR is committed to incorporating Indigenous knowledge into development of the range plans and the measure requires the range plans to be developed collaboratively with Indigenous groups and co-management partners.</p> <p>The measure calls for the boreal caribou range plan to be submitted to the WRRB 90 days before the opening of the TASR. At the time the EA was concluded, and the measures were accepted by responsible ministers and the T̄h̄ch̄ government, the projected timeline for road construction was four years. Under the original circumstances (four-year construction timeline for the TASR), it would still have been very difficult to meet the timeline in Measure 6-1. Now, with an advanced opening date of November 2021, combined with the delay in community meetings due to COVID-19, it is extremely unlikely ENR will meet the timeline required by Measure 6-1. Therefore, ENR proposed that an "interim" boreal caribou range plan be prepared for the Wek'èezhì region. It would be based on the science and Indigenous</p>	<p>This measure is directed to the GNWT-ENR, reporting under Measure 14-2</p> <p>a) 6-1 Part 1: Develop and implement range plans: The Interim Wek'èezhì Boreal Caribou Range Plan was submitted to the Wek'èezhì Renewable Resources Board (WRRB) for review under section 12.5.1 of the T̄h̄ch̄ Agreement on August 17, 2021, 105 days before the anticipated opening of the TASR for public use.</p> <p>The Interim Wek'èezhì Boreal Caribou Range Plan was developed through collaboration with Indigenous Governments and co-management partners. The Wek'èezhì Boreal Caribou Range Plan Working Group met on April 22-23, 2021 and on May 12-13, 2021 to provide input into the plan. The T̄h̄ch̄ Government and North Slave Métis Alliance provided spatial data from traditional knowledge mapping workshops/interviews they conducted and the information was included in the interim range plan.</p> <p>The GNWT will continue to work with Indigenous governments and co-management partners to complete a full range plan that will replace the interim range plan. The full range plan will include additional consideration of Indigenous knowledge shared at future community meetings.</p> <p>6-1 Part 2: Information and adaptive management requirements: <u>Monitoring to determine population trends, abundance and distribution</u></p> <ul style="list-style-type: none"> • ENR deployed 23 collars on adult female boreal caribou within the TASR study area in March 2021. These collars were put out to replace collars that had been deployed in 2017 and were scheduled to drop-off on March 01, 2021, as well as collars lost due to mortality during the reporting

<p>caribou within the study area. ENR has hired a contractor to begin evaluating sustainable harvest levels using available demographic data from NWT boreal caribou monitoring programs.</p> <p>b) Measure 6-1 directs the GNWT-ENR to develop and implement a range plan for boreal caribou in the North Slave portion of the NT1 range. The actions taken to date outline the progress the GNWT-ENR has made, in collaboration with IGOs, renewable resources boards, land use planning boards, regulatory boards, industry and non-governmental organizations, in working towards the development of boreal caribou range plans. The development and implementation of range plans will help address this impact as range plans are tools for decision-makers, developers and communities to help manage activities on the land in a way that supports caribou conservation. The effectiveness of this measure cannot be determined until after the boreal caribou range plan for the Wek'èezhì region is completed.</p>	<p>knowledge information currently available and would be submitted to the WRRB by the required deadline of August 2021. The proposed "interim" range plan may only be in effect for two (2) years (still to be confirmed), which would give the GNWT, Indigenous governments and organizations and co-management partners additional time to complete a full range plan respecting the process set out in the Framework, and including full consideration of the Indigenous knowledge collected at future community meetings. The Wek'èezhì boreal caribou range planning working group was notified by letter of this proposed approach on August 7, 2020. The WRRB provided a letter to ENR indicating their support for this approach on August 31, 2020. ENR held a virtual working group meeting on September 16, 2020 to discuss the proposed interim range plan with the working group, and did not hear any opposition to this approach from the organizations that were in attendance.</p> <p>6-1 Part 2: Information and adaptive management requirements: There are currently 27 active collars deployed on boreal caribou within the TASR study area. Since the last reporting period, there was one natural mortality, one mortality due to harvest, and one collar that released ahead of schedule. No new collars were deployed in winter 2019.</p> <p>ENR completed a boreal caribou abundance survey and a wolf abundance survey within the TASR study area in Feb/Mar 2020. The preliminary results from these two surveys were presented at the July 7, 2020 TASR Corridor Working Group meeting, as well as in field reports distributed to WRRB, TG, NSMA and YKDFN in early September 2020. The boreal caribou abundance survey also served as the spring classification survey to estimate calf recruitment rates. Details on the methods of these surveys are outlined in v. 4.0 of the TASR Wildlife Management and Monitoring Plan (WMMP) which was circulated for public review on September 15, 2020.</p> <p>ENR's contractor completed the report on population modeling to assess sustainable harvest rates for boreal caribou in March 2020. ENR plans on creating a plain language summary of the report and engaging with TG, WRRB, NSMA and YKDFN on the results of the report in fall 2020 or winter 2021.</p> <p>ENR recently completed updates to estimates of fire disturbance within the NT1 boreal caribou range, and range planning regions. As of fall 2019, there is 31.9% fire disturbance within the Wek'èezhì portion of the range. Anthropogenic disturbance levels have not been updated since 2015 (the last time ECCC measured disturbance), and remains at 0.8%. Total disturbance (fire + human) is at 32.3%.</p> <p>b) No change from 2018-19 response.</p>	<p>period. There are currently 32 active collars in the study area. Spring classification surveys were completed in February 2021 to estimate calf:cow ratios.</p> <p><u>Determination of population thresholds and triggers to inform adaptive management</u></p> <ul style="list-style-type: none"> Population thresholds and triggers have not yet been defined for the region. Instead, regional habitat disturbance thresholds which are tied to the likelihood of population self-sustainability have been defined in the NWT range planning framework (A Framework for Boreal Caribou Range Planning). <p><u>Harvest monitoring and reporting</u></p> <ul style="list-style-type: none"> The Tłı̨chǫ Government developed a proposal for a monitoring program to address Measures 7-1 and 9-1 of the Report of EA. In August 2020, GNWT-INF committed funds to support the Tłı̨chǫ Government to undertake this program. Measure 9-1 relates to the development of a non-mandatory harvest monitoring and reporting program. The information from this program will provide information that will also support implementation of Measures 6-2 and 7-2, as well as inclusion of traditional knowledge as required by Measures 9-3 and 10-2. <p><u>Determining sustainable harvest levels</u></p> <ul style="list-style-type: none"> See Measure 6-2 regarding activities related to determination of sustainable harvest levels. <p><u>Identifying critical habitat</u></p> <ul style="list-style-type: none"> GNWT-ENR completed a range-wide (NT1) habitat selection analysis (resource selection functions) project using boreal caribou collar data from across the NWT to model and generate predictive maps of boreal caribou habitat selection during different seasons (NWT CIMP Project #202). The predictive habitat selection maps are being used to assist with identifying important areas for boreal caribou to support range planning and were also used in the draft TASR habitat offset plan for boreal caribou. <p><u>Ongoing habitat disturbance monitoring</u></p> <ul style="list-style-type: none"> ENR measures and updates fire disturbance on an annual basis and contributes this data to the National Burn Area Composite (NBAC) and Canadian National Fire Database (CNFDB) datasets maintained by Natural Resources Canada. ENR uses a combination of the NBAC (1986-2019) and CNFDB (pre-1986) datasets to calculate fire disturbance within the NT1 boreal caribou range. The NBAC data was last updated in 2019. In fall 2019, the Wek'èezhì portion of the boreal caribou range had 31.9% fire disturbance (≤40 yrs old; current to 2019), 0.8% human disturbance (including 500 m buffer; data current to 2015 [source ECCC]), and 32.3% total combined fire/human disturbance. These regional estimates do not include the projected footprint of the TASR project. The NT1 range as a whole had 23.1% fire disturbance, 9.1% human disturbance and 30.5% total disturbance. <p><u>Setting disturbance thresholds for critical habitat and, to the greatest extent possible, managing habitat towards meeting these disturbance thresholds for each range planning region</u></p> <ul style="list-style-type: none"> Disturbance limits and human disturbance management thresholds have been defined for each boreal caribou range planning region within the NWT Framework for Boreal Caribou Range Planning.
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		<p><u>Monitoring predator populations including densities, movements and predation rates</u></p> <ul style="list-style-type: none"> • A wolf aerial abundance survey was completed within a 5000 km² block centered on the TASR corridor in March 2020. A similar sized block was surveyed within the Mackenzie boreal caribou monitoring study area to serve as a reference site. Wolf densities were estimated to be 2.2 wolves/1000 km² in the TASR survey block and 1.8 wolves/1000 km² in the Mackenzie survey block. <p>b) No change from 2018-2019 response.</p>
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MEASURE		MEASURE SPECIFICS
Boreal caribou		
Measure 6-2	Determine sustainable harvest levels for boreal caribou (t̄ɔdz̄i) and implement measures to ensure harvest is sustainable if required	<p>To mitigate significant adverse impacts from the project on boreal caribou (t̄ɔdz̄i), the GNWT-ENR, in collaboration with Aboriginal groups and in accordance with the requirements of the T̄h̄ch̄ɔ Agreement, will determine sustainable harvest levels for boreal caribou in the North Slave portion of the NT1 range prior to the road being opened to the public.</p> <p>In that same period, if current harvest levels are determined to exceed sustainable levels, management action will be undertaken in conjunction with the T̄h̄ch̄ɔ Government.</p> <p>If harvest levels are observed to increase towards unsustainable levels once the road is opened to the public, GNWT-ENR and T̄h̄ch̄ɔ Government will submit a wildlife management proposal under section 12.5.1 of the T̄h̄ch̄ɔ Agreement to the Wek'èezh̄ì Renewable Resources Board for the timely implementation of any measures necessary to ensure boreal caribou harvest in the region is kept within sustainable levels. Such measures may include the establishment of a no-hunting corridor along the Project route.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to GNWT-ENR, reporting under Measure 14-2</p> <p>a) GNWT- ENR has hired a contractor to begin evaluating sustainable harvest levels using available demographic data from NWT boreal caribou monitoring programs. ENR will engage on the results of the contractor's report once it is finalized.</p> <p>In July 2019, ENR introduced new harvest regulations to split woodland caribou into separate "boreal caribou" and "northern mountain caribou" tags based on where each ecotype of woodland caribou lives the caribou live to improve ENR's ability to track resident harvest levels of each ecotype. For boreal caribou, resident hunters and General Hunting Licence holders can now only hunt bulls and the hunting season has been shortened.</p> <p>b) The actions taken to date outline the progress the GNWT-ENR has made in implementing this measure. The effectiveness of this measure cannot be determined until sustainable harvest levels are established.</p>		<p>This measure is directed to the GNWT-ENR, reporting under Measure 14-2</p> <p>a) ENR's contractor completed the report on population modeling to assess sustainable harvest rates for boreal caribou in March 2020. ENR plans on creating a plain language summary of the report and engaging with TG, WRRB, NSMA and YKDFN on the results of the report in fall 2020 or winter 2021.</p> <p>b) No change from the 2018-19 response.</p>
		2020-2021 DETAIL ON MEASURE PROGRESS
		<p>This measure is directed to the GNWT-ENR, reporting under Measure 14-2</p> <p>a) ENR's contractor completed the report on population modeling to assess sustainable harvest rates for boreal caribou in March 2020. ENR has developed a Plain Language Summary of the report and a 2-page Factsheet. ENR will share the report, Plain Language Summary and Factsheet with Indigenous governments in the South Slave, Dehcho and North Slave regions, as well as the Wek'èezh̄ì Renewable Resource Board, to initiate engagement on the findings of the report and discuss management options. ENR will offer to meet with each <u>Indigenous government</u> and the Wek'èezh̄ì Renewable Resource Board in fall 2021.</p> <p>b) No change from the 2018-19 response.</p>

MEASURE		MEASURE SPECIFICS																
Boreal caribou																		
Measure 6-3	Habitat offset and restoration plan	<p>The developer will offset effective boreal caribou (t̄q̄dzi) habitat lost because of disturbance from the Project.</p> <p>The developer, with the involvement of GNWT-ENR, will prepare and implement a habitat offset plan. This plan will describe how the required habitat offset area will be determined and how it will be achieved. In preparing the plan, the developer will collaborate with T̄h̄ch̄q̄ Government and the Wek'èezhì Renewable Resources Board, and consult with the following participants to this environmental assessment:</p> <ul style="list-style-type: none"> • Environment and Climate Change Canada; • Yellowknives Dene First Nation; and, • North Slave Métis Alliance. <p>The developer will make funding available to the parties to support this consultation and collaboration. The developer will submit a draft and a final plan as described below. Once approved, the developer will operate in accordance with the plan.</p> <p>The developer will submit a draft plan to the Wek'èezhì Renewable Resources Board a minimum of 30 days prior to commencement of construction. The developer will submit the final habitat offset plan to the Wek'èezhì Renewable Resources Board for review under section 12.5.1 of the T̄h̄ch̄q̄ Agreement, as soon as possible, and no later than 90 days prior to public use of the road. This final plan will include, at a minimum:</p> <ul style="list-style-type: none"> • the goals and objectives of the plan; • a discussion on the expected effectiveness of mitigations and offsets; • a decision framework to prioritize restoration areas, mitigations, and offsets, including references to the research on which the decision framework was based; • a discussion of how any proposed mitigations or offsets align with the Recovery Strategy for the Boreal Caribou in the NWT and range plans; • details of proposed ways to offset habitat disturbance including restoration sites, mitigation measures, offsets, forest fire fighting policies, or habitat management approaches; • a description of the spatial scale of the proposed offset, the habitat quality and type, site specific restoration activities, and any challenges; • a timeline for offsetting; • a quantitative and qualitative assessment of the total area of boreal caribou habitat proposed for restoration and the timeframe required for restoration; • a summary of consultation feedback that was integrated into the draft and final plans; • a description of any Traditional Knowledge that was considered in the development of the plan, and how it was incorporated; and, • a description of any resources provided to Aboriginal groups to support their involvement in the drafting of the final plan, and for any involvement in the implementation of the plan. 																
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE																		
2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS	2020-2021 DETAIL ON MEASURE PROGRESS																
<p>This measure is directed to the developer, but requires the involvement of GNWT-ENR. The developer and ENR worked collaboratively to provide the information as summarized below, reporting under Measures 14-1 and 14-2.</p> <p>a) A Consultant (Associated Environment) has been retained by the developer to undertake and complete a Draft Caribou Habitat Offset Plan for the TASR in collaboration with the T̄h̄ch̄q̄ Government and the Wek'èezhì Renewable Resources Board (WRRB), and in consultation with Environment and Climate Change Canada (ECCC), Yellowknives Dene First Nation (YKDFN), and North Slave Métis Alliance (NSMA).</p> <p>As part of the consultation, Associated Environment (AE) organized 3 workshops; 2 in Behchok̄ and 1 in Yellowknife.</p> <table border="1"> <thead> <tr> <th>Workshop</th> <th>Date</th> <th>Venue</th> <th>Attendees</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>February 22, 2019</td> <td>Yellowknife</td> <td>TG, WRRB, GNWT-ENR, GNWT-INF, and AE</td> </tr> <tr> <td>2</td> <td>April 23 & 24, 2019</td> <td>Behchok̄</td> <td>TG, WRRB, GNWT-ENR, GNWT-INF, AE, Elders and Harvesters from Whatì and Behchok̄</td> </tr> <tr> <td>3</td> <td>May 9 & 10, 2019</td> <td>Behchok̄ and Yellowknife</td> <td>TG, WRRB, GNWT-ENR, GNWT-INF, AE, Elders and Harvesters from Whatì and Behchok̄</td> </tr> </tbody> </table>	Workshop	Date	Venue	Attendees	1	February 22, 2019	Yellowknife	TG, WRRB, GNWT-ENR, GNWT-INF, and AE	2	April 23 & 24, 2019	Behchok̄	TG, WRRB, GNWT-ENR, GNWT-INF, AE, Elders and Harvesters from Whatì and Behchok̄	3	May 9 & 10, 2019	Behchok̄ and Yellowknife	TG, WRRB, GNWT-ENR, GNWT-INF, AE, Elders and Harvesters from Whatì and Behchok̄	<p>This measure is primarily directed to the developer, but requires the involvement of GNWT-ENR. The developer and ENR worked collaboratively to provide the information as summarized below, reporting under Measures 14-1 and 14-2.</p> <p>a) During the reporting period, the developer's consultant (Associated Environmental) has taken information and Traditional Knowledge received from the T̄h̄ch̄q̄ Government, Wek'èezhì Renewable Resources Board (WRRB), Environment and Climate Change Canada (ECCC), Yellowknives Dene First Nation (YKDFN), and North Slave Métis Alliance (NSMA), Elders, and hunter/trappers to prepare the final Boreal Caribou Habitat Offsetting Plan (Final Plan). On April 23, 2020, the Consultant provided a concordance table to demonstrate how the information that was provided has been used to help develop the Final Plan. The consultant also participated in the December 11, 2019 Corridor Working Group meeting held in Behchok̄ and provided an update to the Corridor Working Group members on the status and development of the Final Plan. NSMA provided further comments to INF in a letter on April 3, 2020. INF and their consultant provided a response to each comment on July 18, 2020. In finalizing the Plan, the next steps will include sending the Final Plan to all interested parties for another review. Following this review, the Final Plan will be revised and submitted to the WRRB for their final review. An implementation plan will be developed based on recommendations from the Final Plan.</p> <p>b) The actions taken to date outline the progress that has been made in putting together the Draft Boreal Caribou Habitat Offset Plan in 2019 and are</p>	<p>This measure is primarily directed to the developer, but requires the involvement of GNWT-ENR. The developer and ENR worked collaboratively to provide the information as summarized below, reporting under Measures 14-1 and 14-2.</p> <p>a) The Boreal Caribou Habitat Offset Plan was submitted to the WRRB for review under section 12.5.1 of the T̄h̄ch̄q̄ Agreement on July 16, 2021. Prior to submission, the developer's consultant (Associated Environmental) had shared a draft of the final plan with the T̄h̄ch̄q̄ Government, North Slave Métis Alliance, Yellowknives Dene First Nation, Wek'èezhì Renewable Resource Board, Environment and Climate Change Canada and the GNWT on September 11, 2020 and incorporated feedback into the plan. The consultant then continued to collaborate with ENR and INF to finalize the plan and develop a framework for implementing the Boreal Caribou Habitat Offset Plan.</p> <p>Updates on the status and development of the final plan were provided by the consultant to the Corridor Working Group members at the December 1, 2020 and June 16, 2021 Corridor Working Group meetings.</p> <p>b) No change from the 2019-2020 response.</p>
Workshop	Date	Venue	Attendees															
1	February 22, 2019	Yellowknife	TG, WRRB, GNWT-ENR, GNWT-INF, and AE															
2	April 23 & 24, 2019	Behchok̄	TG, WRRB, GNWT-ENR, GNWT-INF, AE, Elders and Harvesters from Whatì and Behchok̄															
3	May 9 & 10, 2019	Behchok̄ and Yellowknife	TG, WRRB, GNWT-ENR, GNWT-INF, AE, Elders and Harvesters from Whatì and Behchok̄															

<p><i>Workshop 1</i> The purpose of workshop 1 was to encourage a common understanding of the concepts of offsetting and agree upon how the draft Habitat Offset Plan should be developed. The collaborators decided upon a tentative schedule, the parties who needed to be engaged, the methods of engagement, the number of engagement sessions that would be required, and the number of drafts that would be provided.</p> <p><i>Workshop 2</i> At workshop 2 offsetting was introduced to the Elders and Harvesters. The collaborators listened to the Elders and Harvesters traditional use of the land and the traditional knowledge they had of todzi use of the land. AE consulted with the Elders and Harvesters on methods of offset and areas for potential offset.</p> <p><i>Workshop 3</i> Workshop 3 was a follow-up with Elders and Harvesters to ensure that the information obtained from the previous workshop was correct, and provided Elders and Harvesters with an opportunity to provide further feedback. The second day of the workshop was held with staff to focus on the methods and areas for offsetting and what the draft Habitat Offset Plan will look like.</p> <p>AE distributed the draft Habitat Offset Plan to the TG, WRRB, NSMA, YKDFN, GNWT-ENR, and the developer. Note: ECCC was consulted in a different forum.</p> <p>The first draft was completed and submitted to the developer on June 10, 2019 for review and comment. The second draft was distributed to all interested parties on June 17, 2019 for review and comment, and was distributed again on July 12, 2019 for further review. The draft Habitat Offset Plan was completed and submitted to the WRRB, in accordance with Measure 6-3, on July 31, 2019.</p> <p>Following submission of the draft Habitat Offset Plan to WRRB, the Forest Management Division of ENR raised pertinent issues which AE will be working on. The final Habitat Offset Plan is due at least 90 days prior to public use of the road, which is scheduled for Fall 2022. Once the WRRB completes their review of the draft Habitat Offset Plan, AE will continue to prepare the final Habitat Offset Plan in collaboration and consultation with the required parties.</p> <p>b) The actions taken to date outline the progress that has been made in implementing this measure. The implementation actions described above have been effective at preparing the draft Habitat Offset Plan using a collaborative process. The effectiveness at avoiding or reducing impacts is yet to be seen as the Habitat Offset Plan is still a draft and has yet to be implemented.</p>	<p>currently being used to develop the Final Plan. The implementation actions described above have been effective at preparing the Draft Habitat Offset Plan by using a collaborative process. The Final Boreal Caribou Habitat Offset Plan is expected to be submitted to the WRRB no later than 90 days prior to public use of the road. The effectiveness at avoiding or reducing impacts is yet to be seen as the Final Plan is still a draft and has yet to be implemented.</p>	
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MEASURE		MEASURE SPECIFICS
Barren-ground caribou		
Measure 7-1	Incorporate Traditional Knowledge into monitoring of barren-ground caribou (ʔekwò)	To improve and inform mitigation of significant adverse impacts to barren-ground caribou (ʔekwò) resulting from increased access due to the Project, the developer will include Traditional Knowledge in barren-ground caribou (ʔekwò) monitoring and management. Prior to operations, the developer will: a) support the Tłıchɔ Government in the design and implementation of a program that uses Tłıchɔ harvesters' traditional knowledge and methods to monitor the state of barren-ground caribou (ʔekwò) winter habitat, during and after the construction of the Project; b) fund the implementation of the program in paragraph a); and, c) incorporate the findings of the program in paragraph a) into the Wildlife Management and Monitoring Plan while it is in place, and into any other barren-ground caribou (ʔekwò) management if the Wildlife Management and Monitoring Plan is not extended.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer is collaborating with the Tłıchɔ Government to provide support for the design and implementation of a program that uses traditional knowledge and methods by Tłıchɔ harvesters to monitor the state of barren-ground caribou winter habitat starting in the 2019 winter season.</p> <p>Results from the implementation of the program will be provided after the 2019 winter season.</p> <p>b) The effectiveness of the actions taken to implement this measure cannot be assessed yet, as measure implementation is in the early planning stage.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer has been collaborating with the Tłıchɔ Government (TG) to provide financial support for the development of programs that monitor barren-ground caribou. In August 2020, the TG submitted a harvest monitoring study design proposal and a budget to the developer/INF for review and approval. In consultation with ENR, INF approved the proposal and made funds available for the design and implementation of caribou harvesting and monitoring programs that will be rooted in Traditional Knowledge. TG is expected to work collaboratively with ENR to ensure successful implementation of the programs.</p> <p>The information from this program will provide information that will also support implementation of Measures 6-2 and 7-2, as well as inclusion of traditional knowledge as required by Measures 9-3 and 10-2. Future versions of the WMMPs will be updated with any recommendations from the study. Further details on this program are provided in Appendix I of v. 4.0 of the TASR WMMP which was circulated for public review on September 15, 2020.</p> <p>b) The effectiveness of the actions taken to implement this measure cannot be assessed at this time, as the implementation of the measure is still at an early planning stage.</p>
		2020-2021 DETAIL ON MEASURE PROGRESS
		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Same as Measure 9-1.</p> <p>b) No change from the 2019-2020 response.</p>

MEASURE		MEASURE SPECIFICS
Barren-ground caribou		
Measure 7-2	Barren-ground caribou mitigation and policy changes	To manage significant adverse impacts to barren-ground caribou (ᚖekwò) resulting from the Project, GNWT-ENR and Tłı̨chọ Government, along with their co-management partners in the Wek'èezhìi area, will: a) complete the Bathurst Caribou Range Plan as soon as possible and prior to the expiry of the Wildlife Management and Monitoring Plan; and, b) consider protecting barren-ground caribou (ᚖekwò) historic winter habitat from fires when determining where and when fires are fought, to offset effective habitat loss from the Project.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the GNWT-ENR and the Tłı̨chọ Government, reporting under Measure 14-2</p> <p>a) 7-2, Part a: complete the Bathurst Caribou Range Plan: The Bathurst Caribou Range Plan (BCRP) was released on August 21, 2019. The BCRP was developed by a multi-stakeholder working group and will help decision-makers manage activities on the land in a way that supports the recovery of the Bathurst herd, while providing clarity on land use and access for developers, regulators and residents of the Northwest Territories (NWT). It includes guidance for managing the overall amount of disturbance on the land, as well as seven management tools to reduce and manage impacts to caribou and caribou habitat. Actions are currently underway to support implementation of the recommendations contained in the BCRP. The BCRP is available on ENR's website at https://www.enr.gov.nt.ca/sites/enr/files/resources/bathurst_caribou_range_plan_2019_-_plan_pour_laire_de_repartition_des_caribous_de_bathurst_2019.pdf.</p> <p>7-2, Part b: consider protecting barren-ground caribou historic winter habitat from fires: The BCRP contains a recommendation to: "On an annual basis, identify large, strategically-located patches of forest in the central Bathurst winter range for the GNWT fire management "Values at Risk" database. Response to fires in these areas would be based on an analysis of the current fire load, fire environment, resource availability and similar considerations of the management options at the time of the fire event."</p> <p>b) The actions taken to date outline the progress the GNWT-ENR has made in implementing this measure. The development and implementation of range plans will help address this impact as range plans are tools for decision-makers, developers and communities to help manage activities on the land in a way that supports caribou conservation. The effectiveness of the BCRP cannot be assessed because the BCRP is relatively recent (August 21, 2019).</p>		<p>This measure is directed to the GNWT-ENR and the Tłı̨chọ Government, reporting under Measure 14-2</p> <p>a) 7-2, Part a: complete the Bathurst Caribou Range Plan: No changes or updates since the 2018-19 response.</p> <p>7-2, Part b: consider protecting barren-ground caribou historic winter habitat from fires: In spring 2019 the Tłı̨chọ Government organized a workshop to identify important habitat areas for barren-ground and boreal caribou to consider as Values at Risk in ENR's fire management system. Maps and spatial data from that workshop were shared with ENR and incorporated into fire management decision making in summer 2019 and 2020.</p> <p>Additionally, ENR is providing funding for Bathurst Caribou Range Planning implementation to Indigenous governments and organizations to identify areas of important winter habitat that will be considered as Values at Risk in ENR's fire management system. A workshop will be held in January or February of 2021 to consolidate and build consensus on a short list of areas.</p> <p>b) No change from the 2018-19 response.</p>
		2020-2021 DETAIL ON MEASURE PROGRESS
		<p>This measure is directed to the GNWT-ENR and the Tłı̨chọ Government, reporting under Measure 14-2</p> <p>a) 7-2, Part a: complete the Bathurst Caribou Range Plan: No changes or updates since the 2018-2019 response.</p> <p>7-2, Part b: consider protecting barren-ground caribou historic winter habitat from fires: ENR did not fight any fires in the areas identified by the Tłı̨chọ Government as a priority for boreal caribou or barren ground caribou. ENR did suppress one fire south of Whatì, half way up the TASR road, which had grown to 550 hectares. This is the only fire that started in what is considered to be prime boreal caribou habitat. There were a total of seven forest fires reported in 2020 in barren ground caribou habitat, but the fires did not reach a significant size due to frequent precipitation events. Together these seven fires burned collectively a total of 2297 hectares. Three of these fires were located northeast of Wekweètì and were extinguished shortly after they started by rain at a combined size of nine hectares. The other four fires were north of Whatì and Gamètì with a combined total area burned of 2287 hectares. No new priority areas were identified by any other organizations or governments in 2020.</p> <p>b) No change from the 2018-2019 response.</p>

MEASURE		MEASURE SPECIFICS
Fish and water		
Measure 8-1	Fisheries Management Plan	<p>Fisheries and Oceans Canada and the Tłıchǫ Government, with the support of the developer, will develop and implement a Fisheries Management Plan for fisheries in the project area. This will prevent significant adverse impacts from additional fishing pressure that will likely result from increased access via the Project. In designing the plan, Fisheries and Oceans Canada will engage with the Tłıchǫ Government, the Wek'èezhì Renewable Resources Board, the Community of Whatì and other affected Aboriginal groups. Fisheries and Oceans Canada and the Tłıchǫ Government will submit the plan to the Wek'èezhì Renewable Resources Board for review under section 12.5.1 of the Tłıchǫ Agreement.</p> <p>As part of this plan, Fisheries and Oceans Canada and the Tłıchǫ Government will complete the following work:</p> <p>a) Complete work to understand baseline fishery and harvest conditions. This work will include, at a minimum:</p> <ol style="list-style-type: none"> i. assessing yield and harvest; ii. identifying management issues; iii. establishing fisheries objectives; and, iv. clarifying management and stewardship arrangements. <p>b) Design and implement, with support of the developer, mitigation to prevent or manage project impacts (which may include a regulatory and compliance plan).</p> <p>c) Design and implement monitoring plans, meeting the requirements of Appendix C.</p> <p>d) Design and implement an adaptive management plan (following guidance in Appendix B).</p> <p>Fisheries and Oceans Canada and the Tłıchǫ Government will provide opportunity for the working group (required by Measure 14-3) and other interested parties to review and comment on this plan.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to Fisheries and Oceans Canada and the Tłıchǫ Government. Support is required from the developer. Reporting under Measure 14-1</p> <p>a) The developer is supporting the efforts of Fisheries and Oceans Canada (DFO) and the Tłıchǫ Government (TG) in developing a Fisheries Management Plan (FMP) prior to the opening of the highway, expected in the fall of 2021. To date, the developer has reached out to both DFO and the TG and is communicating with DFO to determine how to successfully meet this measure.</p> <p>The TG has provided terms of reference for the TASR Fisheries Working Group, which includes a mandate, composition, activities and accountability, and administration. DFO, the TG, the Community Government of Whatì and the developer make up that working group. The group has not yet met formally.</p> <p>The developer has also reached out to the Wek'èezhì Renewable Resources Board as this Board will play a pivotal role in meeting the measure.</p> <p>As well, the FMP will be a standing item on the Corridor Working Group agenda so as to ensure interested parties can be updated and comment.</p> <p>b) The effectiveness of the actions taken to implement this measure cannot be assessed yet, as measure implementation is in the early planning stage.</p>		<p>This measure is directed to Fisheries and Oceans Canada and the Tłıchǫ Government, with support of the developer. As such, the GNWT is reporting under Measure 14-1, while the other regulators will, in their own report(s), report under Measure 14-2.</p> <p>a) INF has been working with Fisheries and Oceans Canada (DFO), the Tłıchǫ Government (TG), Wek'èezhì Renewable Resources Board (WRRB), and the Community Government of Whatì (CGW) to ensure this measure is met. A working group, the TASR Fisheries Management Plan Working Group, has been formed that includes representatives from DFO, TG, WRRB, CGW and INF. DFO and TG are co-chairing the Working Group and the Terms of Reference has been reviewed and finalized. The working group met on the following dates to discuss how and what should be included in the plan.</p> <p>May 26, 2020 June 1, 2020 June 30, 2020 August 6, 2020 September 3, 2020 October 2, 2020</p> <p>A draft plan is expected by the end of December 2020.</p> <p>b) The effectiveness of the actions taken to implement this measure cannot be assessed yet, as the measure implementation is in the early planning stage.</p>
		2020-2021 DETAIL ON MEASURE PROGRESS
		<p>This measure is directed to Fisheries and Oceans Canada and the Tłıchǫ Government, with support of the developer. As such, the GNWT is reporting under Measure 14-1, while the other regulators will, in their own report(s), report under Measure 14-2.</p> <p>a) INF continues to work with Fisheries and Oceans Canada (DFO), the Tłıchǫ Government, and WRRB to develop the Fisheries Management Plan. The Working Group meets monthly to discuss and review the progress of the Fisheries Management Plan. On June 16, 2021, a PowerPoint presentation was made on the Plan at the Corridor Working Group meeting. The Plan is currently undergoing final reviews by DFO Science after which it will be distributed to the CWG for comments. In addition to the Plan, other informational materials such as signage, brochure/pamphlet, and Angler diary are being developed to enhance the effectiveness of the FMP. The final Plan is expected to be submitted to the WRRB by December 31, 2021</p> <p>b) No change from the 2019-2020 response.</p>

MEASURE		MEASURE SPECIFICS
Cultural well-being		
Measure 9-1	<p>Monitoring harvest and managing wildlife to maintain successful harvest</p> <p>Part 1 Aboriginal harvest monitoring and reporting program</p> <p>Part 2 Use monitoring to inform management</p>	<p><u>9-1, Part 1: Aboriginal harvest monitoring and reporting program</u></p> <p>To mitigate impacts on Aboriginal harvesters and to effectively inform management of wildlife populations in the area of the Project, GNWT-ENR will work together with the Tłıchǫ Government and Wek'èezhì Renewable Resources Board to develop and implement a non-mandatory Aboriginal harvest monitoring and reporting program.</p> <p>The harvest monitoring and reporting program will:</p> <p>a) focus on boreal caribou, barren-ground caribou and moose population trends in areas accessed by winter roads and trails from the Project;</p> <p>b) be community-based and involve collaboration between Tłıchǫ Government and the developer;</p> <p>c) involve Traditional Knowledge holders and harvesters in monitoring wildlife harvesting trends; and,</p> <p>d) report on wildlife harvesting numbers and trends from monitoring checkpoints and/or other harvest monitoring methods annually to the Tłıchǫ Government, Wek'èezhì Renewable Resources Board, GNWT-ENR and other wildlife co-management partners.</p> <p>The developer will fund this harvest monitoring and reporting related to the project. The harvest monitoring will meet the requirements of Appendix C.</p> <p><u>9-1, Part 2: Use monitoring to inform management</u></p> <p>GNWT-ENR, in collaboration with the Tłıchǫ Government and Wek'èezhì Renewable Resources Board, will consider wildlife management actions and mitigations based on the results of the monitoring above and the information collected by the GNWT's existing Resident Hunting Reporting Program, to help ensure sustainable Aboriginal harvesting of wildlife and report on monitoring results and management actions in the annual reviews of the Wildlife Management and Monitoring Plan.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS	2020-2021 DETAIL ON MEASURE PROGRESS
<p>This measure is directed at the GNWT-ENR, WRRB and the Tłıchǫ Government, reporting under Measure 14-2</p> <p>a) GNWT-ENR and the Tłıchǫ Government participated in a community based monitoring workshop in February, 2019 that specifically focused on Measure 9-1. ENR will continue to work with the Tłıchǫ Government and will engage with other parties, including the Wek'èezhì Renewable Resource Board, on this measure.</p> <p>b) The effectiveness of the actions taken to implement this measure cannot be assessed yet, as measure implementation is in the early planning stage.</p>	<p>This measure is directed at the GNWT-ENR, WRRB and the Tłıchǫ Government, reporting under Measure 14-2</p> <p>a) The Tłıchǫ Government developed a proposal for a monitoring program to address Measures 7-1 and 9-1 of the Report of EA. In August 2020, INF committed funds to support the Tłıchǫ Government to undertake this program. ENR is administering the funding agreement with the Tłıchǫ Government for this program and will provide technical input and support as the program is further developed. The information from this program will provide information that will also support implementation of Measures 6-2 and 7-2, as well as inclusion of traditional knowledge as required by Measures 9-3 and 10-2. Future versions of the WMMPs will be updated with any recommendations from the study. Further details on this program are provided in Appendix I of v. 4.0 of the TASR WMMP which was circulated for public review on September 15, 2020.</p> <p>b) No change from the 2018-19 response.</p>	<p>This measure is directed at the GNWT-ENR, WRRB and the Tłıchǫ Government, reporting under Measure 14-2</p> <p>a) With the support of the developer and ENR, the Tłıchǫ Government undertook the following activities:</p> <ul style="list-style-type: none"> • January 2021 – Hired a Wildlife Monitoring Program Coordinator and established Elder/harvester committee to provide advice and oversight for harvest monitoring. • February 2021 – Animal-track surveys and interviews for habitat report completed. Added two youth to the committee. • April 2021 – Second committee meeting was held with Elders, harvesters, and youth. A baseline habitat report was completed. • June 2021 – The committee toured the TASR project site with the P3 Operator to assess conditions of the habitat along the alignment.

		<p>The following activities are also ongoing and expected to be completed by November 2021:</p> <ul style="list-style-type: none"> • Developing voluntary harvest reporting program. • Completing current state of habitat report based on tracks, trails, Traditional Knowledge, and cameras. This would help identify changes after the road is open. • Determining current harvesting levels for comparison after road is open. • Training wildlife monitors. • Establishing a checkpoint for harvest monitoring on the completed Tłıchǫ Highway. • Encouraging voluntary harvest reporting <p>b) No change from the 2018-2019 response.</p>
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MEASURE		MEASURE SPECIFICS
Cultural well-being		
Measure 9-2	Cultural sensitivity in work camps and communities	To mitigate the Project's impact on Tłıchǫ culture and well-being of Tłıchǫ residents, the developer will require that the P3 operator has culturally appropriate and specific policies in accordance with those set out by the Tłıchǫ Government, GNWT departments and federal government. The P3 operator will have policies and programs in place for employee cultural orientation, approved by the Tłıchǫ Government, for all non-Tłıchǫ workers, including awareness of special cultural norms and practices.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS	2020-2021 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Cultural sensitivity orientation and training have been included in the new-hire orientation program. All new hires took the cultural sensitivity training prior to starting work. A re-training is mandatory for any employee who does anything contrary to the cultural sensitivity policy.</p> <p>Policies and training materials will be updated and reviewed as and when required, and whenever the project resumes construction after an extended shutdown.</p> <p>b) The effectiveness of the actions taken to implement this measure has thus far been successful as there have not been any cultural sensitivity complaints since the implementation of the policies.</p>	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer created and implemented an employee "Cultural Safety" training program in consultation with the Tłıchǫ Government (TG) and the Tłıchǫ Community Services Agency. This training document was repackaged into a PowerPoint document and presented to all personnel working on site. The National Collaboration Centre for Aboriginal Health described Cultural Safety as "developing and nurturing a climate where the unique history of Indigenous peoples is recognized and respected in an impartial and safe way, without discrimination."</p> <p>On December 4, 5, and 6, 2019, a Tłıchǫ Elder and TG Cultural Practices Manager shared the Tłıchǫ history, traditional knowledge, traditional land use, and the importance of safety and working together with TASR site personnel.</p> <p>The Elder, a 93-year old man, was born in Wekweèti and later moved to Behchokǫ. He shared a couple of wise and constructive stories about his involvement in building the road from Yellowknife to Behchokǫ in the 1960s and the cultural sensitivity lessons that could be learnt from his experience. He suggested that "road construction needs to be based on traditional and modern trails." This means that everyone needs to understand the Tłıchǫ traditional ways of living on the land while working together and building new roads. He stressed the importance of teamwork and how the Tłıchǫ workers can help construction companies survive in the North. He related the changes that occurred following the Yellowknife - Behchokǫ road construction and those lessons can help with the TASR Project. The presentations benefited the TASR personnel by enhancing cultural awareness, competency and sensitivity, which foster cultural safety.</p> <p>b) The actions taken to implement this measure appear to have been effective. At the time of this report, no incidences of cultural insensitivity, cultural discrimination, have been reported since commencement of construction activities on September 2, 2019.</p>	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) No change from the 2019-2020 response.</p> <p>b) The actions taken to implement this measure appeared to have been effective. At the time of this report, no incidences of cultural insensitivity, cultural discrimination, have been reported since commencement of construction activities on September 2, 2019. There is a growing interest among external workforce to learn about the Tłıchǫ culture. There is mutual respect among workers with different cultural backgrounds.</p>

MEASURE		MEASURE SPECIFICS
Cultural well-being		
Measure 9-3	Include Traditional Knowledge from all relevant groups	To mitigate impacts from the Project to culture and harvesting, the developer will incorporate Traditional Knowledge into the Project design and management from all Aboriginal groups that traditionally use the area. The developer will: a) support the collection of Traditional Knowledge related to traditional use, and compile it with information already acquired; b) thoroughly consider any Traditional Knowledge that is made available, and, where applicable, incorporate Traditional Knowledge into Project design, mitigations, monitoring and adaptive management; and, c) do this in a culturally-appropriate way that respects applicable Traditional Knowledge policies and protocols. The GNWT-ENR and Wek'èezhì Land and Water Board will consider these findings in the Wildlife Management and Monitoring Plan and in permitting.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS	2020-2021 DETAIL ON MEASURE PROGRESS
<p>This measure is directed primarily to the developer, reporting under Measure 14-1 (see below for Measure 14-2 reporting)</p> <p>a) The developer has received Traditional Knowledge Reports from The Tłıchǫ Government, NSMA, and YKDFN. These reports have been reviewed and information or concerns have been reflected in the Wildlife Management and Monitoring Plan (WMMP) where applicable. The Tłıchǫ All Season Road Corridor Working Group is another forum where Traditional Knowledge is provided as the project progresses. As per the Terms of Reference of the Corridor Working Group, Elders are invited to participate at the meetings.</p> <p>In the development of the draft Habitat Offset Plan, local Elders and Harvesters from Whatì and Behchokǫ attended two workshops. At these workshops Elders and Harvesters were presented with the concepts and possible strategies for offsetting, their opinions on these strategies were heard, as well as how they traditionally use the land in these areas, and they shared their knowledge of tǫdzı in these areas. The Traditional Knowledge provided was used to help create the draft Habitat Offset Plan.</p> <p>Throughout the construction, the developer and P3 operator will continue to seek Traditional Knowledge from IGOs where appropriate.</p> <p>b) The WMMP, draft Habitat Offset Plan, and project design have incorporated the Traditional Knowledge provided to INF. The actions taken thus far have been effective at incorporating the Traditional Knowledge into the design of the project, mitigation, and monitoring.</p> <p>This measure is directed primarily to the developer, but requires GNWT-ENR to consider the findings in the Wildlife Management and Monitoring Plan (WMMP) and in permitting. Reporting under 14-2</p> <p>a) Please see the update provided for Measure 10-2 (below).</p>	<p>This measure is directed primarily to the developer, but requires GNWT-ENR to consider the findings in the Wildlife Management and Monitoring Plan (WMMP) and in permitting. As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) Development of the Boreal Caribou Habitat Offsetting Plan continues to use Traditional Knowledge provided at the draft Habitat Offset Plan stages. The Traditional Knowledge incorporated into the WMMP, Project design, mitigation measures, and monitoring has been in use during construction.</p> <p>INF is also working with TG and ENR to undertake a caribou harvest and monitoring study design that will be rooted in Traditional Knowledge. The outcome of the study will inform additional mitigation measures based on TK, if necessary.</p> <p>Traditional Knowledge was also incorporated into policies and training materials to ensure respect for cultural sensitivity in work camps and communities as reported under Measure 9-2.</p> <p>b) Traditional Knowledge used in the WMMP, Project design, mitigations and monitoring methods have been effective at reducing impacts to the environment and wildlife. The effectiveness will continue to be observed throughout the remainder of construction and operations.</p> <p>Reporting under Measure 14-2</p> <p>a) ENR has not received or been made aware of any new Traditional Knowledge reports or findings during the reporting period that could have been incorporated into version 4.0 of the TASR WMMP that was circulated for public review on September 15, 2020.</p> <p>b) Please see the update provided for Measure 10-2 (below)</p>	<p>This measure is directed primarily to the developer, but requires GNWT-ENR to consider the findings in the Wildlife Management and Monitoring Plan (WMMP) and in permitting. As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) Traditional Knowledge was incorporated into policies and training materials to ensure cultural awareness and sensitivity onsite and within the community as reported under Measure 9-2 for the 2020-2021 reporting period.</p> <p>INF continues to use the Traditional Knowledge incorporated into the WMMP, Project design, mitigation measures, and monitoring during construction.</p> <p>b) No change from the 2019-2020 response.</p> <p>Reporting under Measure 14-2</p> <p>a) ENR has not received or been made aware of any new Traditional Knowledge reports or findings during the reporting period that could have been incorporated into of the TASR WMMP, which was last circulated for public review on September 15, 2020 (v.4.0), and approved on March 1, 2020 (v.4.2). The next public review of the TASR WMMP should take place in September 2021.</p> <p>b) Not applicable as this measure is primarily directed to the developer.</p>

MEASURE		MEASURE SPECIFICS
Species at risk and wildlife, other than caribou		
Measure 10-1	Bird species at risk and migratory bird data, mitigation, monitoring and adaptive management Part 1 Pre-construction bird surveys Part 2 Mitigation Part 3 Monitoring and reporting Part 4 Adaptive management	<p><u>10-1, Part 1: Pre-construction bird surveys</u> The developer will conduct pre-construction field surveys of bird species at risk and migratory birds prior to disturbing potential habitat, including any clearing of the right-of way, quarry sites, camps, access routes, or other project infrastructure. The developer will consult with Environment and Climate Change Canada (ECCC) and GNWT-ENR about methods and timing for a field survey(s). The developer will conduct the survey using methods derived from peer-reviewed scientific literature and best practices.</p> <p><u>10-1, Part 2: Mitigation</u> The developer will use the results from surveys in 10-1 Part 1 to inform mitigations. The mitigations will help protect bird species at risk and migratory birds and ensure habitats and nesting sites are protected. For all project-related infrastructure and activities during the construction and operations phase, the developer will: a) use the information from the survey(s) to inform and adjust proposed mitigations; b) implement mitigations as described in its commitments table and its Wildlife Management and Monitoring Plan; c) implement additional mitigations to eliminate or reduce impacts, if warranted based on surveys; d) halt all disruptive activities, in consultation with ECCC, in an area if nests or young are discovered; and e) determine and implement, in consultation with ECCC and GNWT-ENR, appropriate species-specific buffer zones or setbacks, until the young have naturally and permanently left the vicinity of the nest taking into consideration the intensity of the disturbance and the surrounding habitat.</p> <p><u>10-1, Part 3: Monitoring and reporting</u> The developer will: a) implement monitoring in section 5 and Appendix C of the Wildlife Management and Monitoring Plan and Chapter 14 of this report; b) monitor nests using non-intrusive search methods at quarry sites immediately prior to commencing any disruptive activities during the nesting period; and c) report weekly and annually as described in section 6 of the Wildlife Management and Monitoring Plan, including findings of baseline surveys in 10-1 Part 1. Monitoring will meet the requirements of Appendix C.</p> <p><u>10-1, Part 4: Adaptive management</u> The developer will implement adaptive management as described in section 6 of the Wildlife Management and Monitoring Plan and following guidance in Appendix B of this report.</p>

DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE

2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS	2020-2021 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, but requires the developer consult with GNWT-ENR, reporting under Measure 14-1</p> <p>a) 10-1, Part 1: Pre-construction bird surveys: A Consultant, Golder Associates (Golder), was retained by the developer to undertake field surveys of bird species at risk and migratory birds. Golder consulted with Environment and Climate Change Canada (ECCC) and GNWT-ENR to develop a methodology and timeline for the survey. The consultations were carried out on April 18, May 11, and May 28, 2018. Based on the agreed-upon methodology and timeline, 60 Autonomous Recording Units (ARUs) were deployed between March 27-30, 2019 and were retrieved between July 3-6, and 11-12, 2019. In addition to the ARUs, 10 cameras were also set up along the alignment to capture wildlife and possibly human activities. The ARUs have been analyzed by avian biologists. A technical report has been written and has been provided to ENR for their review. Once the developer receives ENR's comments, the report will be submitted to ECCC.</p> <p>10-1, Part 2: Mitigation: Golder provided a technical memo detailing how the results of the bird surveys could inform mitigations for the Tłı̄ch̄o All-Season Road. As part of the technical memo, a thorough review of the mitigation measures proposed in the current Wildlife Management and Monitoring Plan (WMMP) was completed. The report concluded that adequate mitigation measures for birds, under GNWT-ENR's authority, have been included in the current WMMP.</p> <p>One new mitigation measure has been recommended as a result of the information gathered from the bird survey, which is to create a suitable alternative habitat for bank swallows if they are found to be nesting in any</p>	<p>This measure is directed to the developer, but requires the developer to consult with ECCC and GNWT-ENR. As such, it is being reported on by GNWT under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) 10-1, Part 1: Pre-construction bird surveys: The Migratory Bird Survey technical memo/report was submitted to ECCC on August 17, 2020. INF is working with ECCC to assess if further analyses are required. The analysis completed to date by the developer and the developer's contractor, Golder Associates (Golder), did not identify additional species at risk birds. Therefore, no additional mitigation measures are being recommended at this time. However, if further analyses are required and completed, additional mitigation measures may be included in future versions of the WMMP, if necessary.</p> <p>10-1, Part 2: Mitigation: The technical memo prepared by Golder on September 10, 2019 detailed how the results of the Migratory Bird Survey would have been used for additional mitigation measures, if necessary. As part of the technical memo, a thorough review of the mitigation measures proposed in the approved Wildlife Management and Monitoring Plan (WMMP) was completed. The report concluded that adequate mitigation measures have been included in the WMMP and therefore no additional mitigation measures are being recommended at this time. However, if further analyses are required and completed, additional mitigation measures will be included in future versions of the WMMP, if necessary.</p> <p>10-1, Part 3: Monitoring and reporting: Monitoring programs proposed in the approved version of the WMMP are being implemented and weekly reports generated.</p>	<p>This measure is directed to the developer, but requires the developer to consult with ECCC and GNWT-ENR. As such, it is being reported on by GNWT under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) 10-1, Part 1: Pre-construction bird surveys: No change from the 2019-2020 response.</p> <p>10-1, Part 2: Mitigation: No change from the 2019-2020 response. No active bird nests were encountered during this reporting period.</p> <p>10-1, Part 3: Monitoring and reporting: No change from the 2019-2020 response. No active bird nests were encountered during this reporting period.</p> <p>10-1, Part 4: Adaptive management: No change from the 2019-2020 response.</p> <p>b) No change from the 2019-2020 response.</p> <p>Reporting under Measure 14-2</p> <p>a) ENR was not consulted on appropriate species-specific buffer zones or setbacks for bird species at risk and migratory birds. As to ENR's knowledge, no active bird nests were encountered or reported by the developer during the reporting period.</p>

<p>Project stockpiles. This recommendation is currently under consideration. Results from the survey also reinforce the importance of the road alignment following the existing Old Airport Road.</p> <p>10-1, Part 3: Monitoring and reporting: Monitoring programs are currently being implemented and weekly reports are generated.</p> <p>10-1, Part 4: Adaptive management: The WMMP has an Adaptive Management component, which is being updated as and when necessary and being implemented to protect birds under GNWT-ENR's authority. As the needs for Adaptive Management are realized throughout construction and operation, changes to the WMMP will be addressed and incorporated as appropriate.</p> <p>b) The bird survey report has provided a new recommendation for a mitigation measure as a result of the survey. The effectiveness of the other aspects of this measure is yet to be realized, as construction has been ongoing for approximately a month and a half. As construction continues, monitoring results and reporting will inform the effectiveness of the implementation actions at avoiding or reducing harm.</p> <p>This measure is directed to the developer, but requires the developer consult with GNWT-ENR, reporting under Measure 14-2</p> <p>GNWT-ENR provided the developer with advice regarding methods and timing for a field survey(s) prior to the start of construction. The GNWT-ENR requested, as part of the approval of the developer's Wildlife Management and Monitoring Plan, that the full report of the pre-construction field surveys outlining the results for the second half of the road right of way for rusty blackbird and short eared owl be provided to the GNWT-ENR, by the developer, within 30 days of starting construction. The developer provided the full report on October 1, 2019. ENR will review the report to determine if additional mitigations to eliminate or reduce impacts are warranted based on the results of the surveys.</p>	<p>10-1, Part 4: Adaptive management: The WMMP's Adaptive Management component is to be updated and implemented as and when it becomes necessary. As the needs for Adaptive Management are realized throughout construction and operations, changes to the WMMP will be addressed and incorporated as appropriate. The first annual review for the WMMP is currently undergoing public review process. The developer hasn't identified any need for an Adaptive Management updates at this time. However, if public comments trigger updates, the Adaptive Management component may be updated and reflected in the future versions of the WMMP.</p> <p>b) The mitigation measures currently proposed and being implemented in the approved WMMP have been effective thus far. Environmental weekly reports capture how the implementation has been working; including contacting the appropriate regulatory bodies if an issue was identified for a satisfactory solution.</p> <p>Reporting under Measure 14-2</p> <p>a) As noted in the 2018-19 reporting, the developer provided ENR pre-construction field surveys outlining the results for the second half of the road right of way for rusty blackbird and short eared owl on October 1, 2019. The contractor responsible for writing the report determined that no additional mitigations to eliminate or reduce impacts were warranted based on the results of the surveys. ENR concurs with those findings with respect to rusty blackbird and short-eared owl. A copy of the full report with findings for other bird species was included as an appendix to v.4.0 of the TASR WMMP which was circulated for public review on September 15, 2020.</p> <p>b) Not applicable as this measure is primarily directed to the developer.</p>	<p>b) Not applicable as this measure is primarily directed to the developer.</p>
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MEASURE		MEASURE SPECIFICS
Species at risk and wildlife, other than caribou		
Measure 10-2	Wildlife Management and Monitoring Plan approval, annual review and reporting Part 1 WMMP update prior to permitting Part 2 WMMP update during permitting Part 3 Annual review of the WMMP during construction and operations.	<p><u>10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting</u> The developer will update its Wildlife Management and Monitoring Plan prior to permitting to include the developer's commitments and Review Board's measures from this <i>Report of Environmental Assessment</i>.</p> <p>Prior to permitting, the developer will, where appropriate, include Traditional Knowledge from all Aboriginal groups that harvest in the area on ways to mitigate, monitor and adaptively manage impacts from the Project to wildlife.</p> <p><u>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting</u> During permitting, the developer will involve Environment and Climate Change Canada, GNWT-ENR, Wek'èezhì Renewable Resources Board, Tłı̨chọ Government and Aboriginal groups that harvest in the area, in developing an updated Wildlife Management and Monitoring Plan. Monitoring will meet the requirements of Appendix C.</p> <p>When updating the Wildlife Management and Monitoring Plan, the developer will, where appropriate, include Traditional Knowledge from all Aboriginal groups that harvest in the area on ways to mitigate, monitor, and adaptively manage impacts from the Project to wildlife. The Wildlife Management and Monitoring Plan will be updated based on the results of available surveys and monitoring, such as caribou, bird (Measure 10-1), and moose surveys.</p> <p>The Wildlife Management and Monitoring Plan will require that construction activities, including clearing, consider sensitive wildlife periods, for example nesting periods of migratory birds.</p> <p><u>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations</u> GNWT-ENR will require annual public review of the Wildlife Management and Monitoring Plan and make publicly viewable:</p> <ul style="list-style-type: none"> • recommendations from parties; • responses on how recommendations were incorporated; and, • reasons for recommendations which were not incorporated.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS	2020-2021 DETAIL ON MEASURE PROGRESS
<p>This measure is directed primarily to the developer, but requires GNWT-ENR involvement. Reporting under Measure 14-1 (see below for reporting under Measure 14-2)</p> <p>a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: Following the WLWB comments and the public comments, the WMMP has undergone several edits and iterations, both prior to and after permits have been issued. Version 3.3 of the WMMP was approved by ENR on August 30, 2019. In its August 23, 2019 Reasons for Decision, the WLWB did not approve the Version 3.3 and directed that Version 3.4 be submitted prior to the commencement of construction. Complying with the directives of the WLWB, Version 3.4 of the WMMP was submitted to the WLWB on August 30, 2019.</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: During the permitting, the developer worked collaboratively with Environment and Climate Change Canada, GNWT-ENR, Wek'èezhì Renewable Resources Board, Tłı̨chọ Government and Indigenous groups and harvesters to develop an updated WMMP.</p> <p>Traditional knowledge (TK) was provided by The Tłı̨chọ Government and the Yellowknives Dene First Nations. The TK was incorporated into the WMMP with respect to caribou, and will also be incorporated into a Caribou Habitat Offset Plan.</p> <p>The Wildlife Management and Monitoring Plan has identified sensitive wildlife periods and construction activities are scheduled outside these sensitive periods.</p> <p>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: During the Construction and Operations Phase, the Wildlife Management and</p>	<p>This measure is directed primarily to the developer, but requires GNWT-ENR involvement. As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: This portion of the measure was completed in the last reporting period and remains the same.</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: This portion of the measure was completed in the last reporting period and remains the same.</p> <p>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: The first annual review of the WMMP has been completed and submitted to ENR and WLWB on September 15, 2020. At the time of filing this report, the review and updated version of the WMMP is undergoing public review/comment period; after which, the updated WMMP Version 4.0 will be considered for approval by ENR and WLWB.</p> <p>b) The actions taken to implement this measure, as proposed in the current approved WMMP, have been effective given that no large animals have been harmed, and no fatalities have been recorded. Environmental weekly reports capture how the implementation has been working; including contacting the appropriate regulatory bodies if an issue was identified for a satisfactory solution.</p> <p>Reporting under Measure 14-2</p> <p>a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to</p>	<p>This measure is directed primarily to the developer, but requires GNWT-ENR involvement. As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: This portion of the measure was completed in the 2018-2019 reporting period and remains the same.</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: This portion of the measure was completed in the 2018-2019 reporting period and remains the same.</p> <p>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: Version 4.0 of the TASR WMMP was circulated for public review in September 2020, and version 4.2 of the TASR WMMP was approved by ENR on March 01, 2021. The next public review will take place in September 2021.</p> <p>b) No change from the 2019-2020 response.</p> <p>Reporting under Measure 14-2</p> <p>a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: This portion of the measure is reported on through Measure 14-1 (see above).</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: This portion of the measure is reported on through Measure 14-1 (see above).</p>

Monitoring Plan will be reviewed and, if required, revised at least annually and potentially more frequently taking into account changes in the law, environmental factors, monitoring results, developer and North Star Infrastructure policies. GNWT will provide the WMMP, with any proposed changes, for public review and will make the WMMP publicly available. As noted above, the WMMP was reviewed and approved on August 23, 2019. The next annual public review of the Wildlife Management and Monitoring Plan will take place in August 2020.

Environmental Monitors are using binoculars for wildlife sightings as outlined in the WMMP. The table below is an example of the wildlife sightings as reported in the weekly report:

Date	Time	Location	Wildlife	Number
03-Sept-19	9: 25 am	Near waste Bins	Common Raven	1
04-Sept-19	12:00 pm	Km 15	Cougar	1
05-Sept-19	1:00 pm	Km 20	Black Bear	1
05-Sept-19	5:34 pm	Km 11	Red Squirrel	1
06-Sept-19	12:30 pm	Km 12	Sharp-tailed Grouse	1
07-Sept-19	8:17 am	Km 4.5	Wood Bison	10
07-Sept-19	9:32 am	Km 12	Wood Bison tracks	1
07-Sept-19	9:38 am	Km 18	Dark-eyed Juncos	30
07-Sept-19	11:00 am	Km 7.5	Black Bear	3 – Sows with 2 cubs
07-Sept-19	3:30 pm	Km 4.5	Wood Bison	1
07-Sept-19	6:30 pm	Km 0	Wolf	1
08-Sept-19	10:23 am	Km 17.5	Black Bear	1
13-Sept-19	6:30 am	Km 0	Wolf	1
13-Sept-19	10:30 am	Km 11	Wood Bison	1
16-Sept-19	2:00 pm	Km 18	Moose	1
18-Sept-19	7:30 am	Km 17	Wood Bison	1
19-Sept-19	7:45 am	Km 1.3	Wood Bison	1
21-Sept-19	11:00 am	Km 7	Wood Bison	1
21-Sept-19	7:15 am	Km 1.5	Lynx	1
23-Sept-19	8:30 am	Km 18	Wood Bison	1
24-Sept-19	11: 55 am	Km 16	Common Raven	1
26-Sept-19	4: 40 pm	Km 6.3	Moose	1
27-Sept-19	9: 46 am	Km 7	Moose	1
28-Sept-19	7: 00 pm	Km 8	Great Grey Owl	1
29-Sept-19	9: 05 am	Km 2	Common Raven	1
30-Sept-19	12: 17 pm	Km 7	Moose	1
30-Sept-19	12: 30 pm	Km 7.5	Canada Jay	1

This measure is directed primarily to the developer, but requires GNWT-ENR involvement, reporting under Measure 14-2.

The GNWT-ENR was involved in developing an updated Wildlife Management and Monitoring Plan, as per Measure 10-2, Part 2. The GNWT-ENR will require annual public review of the Wildlife Management and Monitoring Plan as outlined in Measure 10-2, Part 3 and as stated in the measure reporting under 14-1, above. The Wildlife Management and Monitoring Plan, version 3.3 was approved by the GNWT-ENR on August 30, 2019.

permitting: The TASR Land Use Permit and Type B Water Licence were issued May 30, 2019, which occurred prior to this reporting period. Please see the GNWT’s response from 2018-19.

10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: The TASR Land Use Permit and Type B Water Licence were issued May 30, 2019, which occurred prior to this reporting period. Please see the GNWT’s response from 2018-19.

10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: ENR is working with the Wek’èezhì Land and Water Board (WLWB) and the Wek’èezhì Renewable Resources Board (WRRB) to coordinate the annual public review of the TASR WMMP. An updated version of the WMMP (v. 4.0) was submitted by the developer to ENR on September 15, 2020. The WMMP (v. 4.0) was posted on the WLWB’s Online Review System for public comment for a period of 30 days. The WLWB’s Online Review System was utilized to ensure that recommendations from parties and responses from the developer indicating how recommendations were incorporated, and providing reasons for recommendations which were not incorporated, could be publicly viewed.

The results of the public review of the WMMP will be reported on in the 2020-21 Annual Report, as the 2019-20 reporting period ends on September 30, 2020.

b) This will be the first annual TASR WMMP review, so it is too early to comment on the effectiveness of this measure.

10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: This portion of the measure is reported on through Measure 14-1 (see above).

b) The first annual review of the TASR WMMP was successfully completed in fall 2020, and the most recent version (4.2) of the WMMP was approved in March 2021. The annual review process was effective in incorporating new information into the plan and allowing different parties to recommend changes to the plan or to identify areas where implementation of the plan may have been deficient. During the first annual review, comments were submitted by Environment and Climate Change Canada, the Tłı̨chǫ Government, the Wek’èezhì Land and Water Board and the Wek’èezhì Renewable Resource Board.

MEASURE		MEASURE SPECIFICS		
Permafrost				
Measure 11-1	Permafrost Management Plan	<p>To minimize permafrost degradation and prevent associated significant adverse impacts on the environment from the Project during construction and operation of the Project, the developer will develop and implement a permafrost management plan for construction and maintenance of the Project. The plan will be submitted for review and approval to the Wek'èezhì Land and Water Board prior to construction.</p> <p>This plan will include monitoring (following the requirements in Appendix C) and adaptive management (following the requirements in Appendix B). It will incorporate the recommendations made by Natural Resources Canada during the environmental assessment process as well as recommendations from the working group (Measure 14-3).</p> <p>The developer will incorporate any relevant information from the permafrost management plan into ongoing monitoring and adaptive management during Project operations.</p>		
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE				
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS		2020-2021 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The Permafrost Management Plan was prepared by the developer and submitted to the WLWB on January 7, 2019 with the reapplication package following the Environmental Assessment. The WLWB provided further direction on the Permafrost Management Plan on April 17, 2019 based on the comments received on the Online Review System. INF submitted a revised version of the Permafrost Management Plan on July 19, 2019, which was approved by the WLWB on August 23, 2019. The recommendations from ECCC were included in the Permafrost Management Plan. Permafrost was briefly discussed at the TASR CWG, however no recommendations were provided at the June 24, 2019 meeting. The meeting minutes will be made available to the public when they have been approved by the TASR CWG at the next meeting.</p> <p>As per requirements of the Permafrost Management Plan, both winter readings and summer readings are needed annually. The winter readings were taken between April 1 and April 8, 2019 and the summary report was presented to the WLWB. The developer is currently planning to conduct a summer reading of the thermistors. At that time the developer will also flag the thermistor cables with flagging tape to try to protect the thermistors from any damage that may occur during construction, ensuring future readings can be taken to monitor the permafrost and inform adaptive management.</p> <p>b) As construction has been ongoing for approximately a month and a half, the effectiveness of the implementation actions are yet to be seen. The results of the thermistor readings will help determine whether the mitigations used are effective at reducing the impacts to permafrost.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The Permafrost Management Plan was modified and approved by the WLWB in May of 2020. It included an elimination of the thermistor readings during the construction period. Readings would continue after construction is complete. The reason behind the change was because the construction of the road changes the thermal characteristics of the ground due to stripping of the vegetation and organic soil covering, ditching excavation, new drainage patterns, etc., which will result in more erratic readings until ground temperature normalizes again after construction. Returning to annually scheduled permafrost monitoring after the construction is completed, and ground temperatures have normalized, will give future maintenance operators more valid ground temperature information for decision making.</p> <p>b) The latest thermal readings were in April of 2019 and October of 2019. The readings to-date indicated very little permafrost, and highlights the areas where permafrost is present. This information now gives the developer enough knowledge (thermistor readings, geophysical records, and on-site inspections) to plan, design and implement permafrost protection plans during construction. Continual inspections by the department of Lands and Infrastructure inspectors have monitored construction to ensure compliance with land management and construction techniques.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) No change from the 2019-2020 response.</p> <p>b) No change from the 2019-2020 response.</p>

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-1	Annual reporting from the developer	<p>To demonstrate how measures are being implemented and to evaluate the effectiveness of the developer's efforts to prevent or minimize impacts on the environment, the developer will, throughout all phases of the development, prepare an annual report on the implementation of measures. The report will address the measures that the developer is responsible for and will:</p> <p>a) describe the actions, including actions implemented through adaptive management, being undertaken to implement the measures; and, b) evaluate how effective the implementation actions are in reducing or avoiding the impact (considering the results of monitoring programs and adaptive management frameworks). Where applicable, provide references to further information contained in other management plans or monitoring reports.</p> <p>The developer will provide its annual report to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS	2020-2021 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>The GNWT has interpreted GNWT-INF and the North Star Infrastructure Project Company as being the developer for the purposes of Measure 14-1 annual reporting.</p> <p>The reporting requirement from the developer falls under the Environmental Assessment (EA) Measure 14-1, which comprises of the following EA Measures:</p> <ol style="list-style-type: none"> 1. Measure 5-1 2. Measure 5-2 3. Measure 5-3 4. Measure 5-4 5. Measure 5-5 6. Measure 5-6 7. Measure 5-7 8. Measure 6-3 9. Measure 7-1 10. Measure 8-1 11. Measure 9-2 12. Measure 9-3 13. Measure 10-1 14. Measure 10-2 15. Measure 11-1 16. Measure 14-1 	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>The reporting details for Measure 14-1 remain nearly the same from last year's report. In error, Measure 5-6 was captured under Measure 14-1 when it should have been captured under Measure 14-2. This error has been resolved.</p> <p>The reporting requirement from the developer falls under the Environmental Assessment (EA) Measure 14-1, which comprises of the following EA Measures:</p> <ol style="list-style-type: none"> 1. Measure 5-1 2. Measure 5-2 3. Measure 5-3 4. Measure 5-4 5. Measure 5-5 6. Measure 5-7 7. Measure 6-3 8. Measure 7-1 9. Measure 8-1 10. Measure 9-2 11. Measure 9-3 12. Measure 10-1 13. Measure 10-2 14. Measure 11-1 15. Measure 14-1 16. Measure 14-3 17. Measure 14-4 	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>The reporting requirement from the developer falls under the Environmental Assessment (EA) Measure 14-1, which comprises of the following EA Measures:</p> <ol style="list-style-type: none"> 1. Measure 5-1 2. Measure 5-2 3. Measure 5-3 4. Measure 5-4 5. Measure 5-5 6. Measure 5-7 7. Measure 6-3 8. Measure 7-1 9. Measure 8-1 10. Measure 9-2 11. Measure 9-3 12. Measure 10-1 13. Measure 10-2 14. Measure 11-1 15. Measure 14-1 16. Measure 14-3 17. Measure 14-4

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-2	Annual reporting from government and regulatory authorities	<p>To help evaluate the effectiveness of mitigation measures for the protection of the environment, each regulatory authority or government that is wholly or partly responsible for implementation of any measure in this <i>Report of Environmental Assessment</i> will prepare an annual report on implementation of measures. The report will:</p> <p>a) describe the actions being undertaken to implement the measures or the part(s) of the measures for which the regulatory authority or government is responsible; and, b) explain how these actions, including those implemented through adaptive management, fulfill the intent of the EA measures, including consideration of the following questions:</p> <p>i. How are implementation actions addressing a likely significant adverse impact on the environment? ii. How effective are implementation actions at reducing or avoiding the impact or its likelihood?</p> <p>Government and regulators are only responsible for reporting on the implementation actions they take, not actions taken by the developer. For example, if a regulator does not issue an authorization, provide direction to the developer, approve a management plan, or take other actions that relate to an EA measure(s) in a given year, the regulator will not need to submit a report for that year.</p> <p>The governments and regulators will provide their annual reports to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS	2020-2021 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the GNWT, reporting under Measure 14-2</p> <p>The following Measures fall under the reporting requirements of Measure 14-2 for the Government and Regulatory Authorities:</p> <ol style="list-style-type: none"> 1. Measure 5-2 2. Measure 6-1 3. Measure 6-2 4. Measure 6-3 5. Measure 7-2 6. Measure 9-1 7. Measure 10-2 8. Measure 14-1 	<p>This measure is directed to the regulatory authorities and/or governments, including the GNWT, reporting under Measure 14-2</p> <p>The reporting details for Measure 14-2 remain nearly the same from last year's annual report. In error, some measures applicable to Measure 14-2 were omitted from the Measure 14-2 summary. This error has been resolved. The following Measures fall under the reporting requirements of Measure 14-2 for the Government and Regulatory Authorities:</p> <ol style="list-style-type: none"> 1. Measure 5-2 2. Measure 5-6 3. Measure 6-1 4. Measure 6-2 5. Measure 6-3 6. Measure 7-2 7. Measure 8-1 8. Measure 9-1 9. Measure 9-3 10. Measure 10-1 11. Measure 10-2 12. Measure 14-2 	<p>This measure is directed to the regulatory authorities and/or governments, including the GNWT, reporting under Measure 14-2</p> <p>The following Measures fall under the reporting requirements of Measure 14-2 for the Government and Regulatory Authorities:</p> <ol style="list-style-type: none"> 1. Measure 5-2 2. Measure 5-6 3. Measure 6-1 4. Measure 6-2 5. Measure 6-3 6. Measure 7-2 7. Measure 8-1 8. Measure 9-1 9. Measure 9-3 10. Measure 10-1 11. Measure 10-2 12. Measure 14-2

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-3	Project working group	<p>The developer will establish the Tłıchǰ All-Season Road Corridor Working Group by:</p> <ul style="list-style-type: none"> • funding the Tłıchǰ Government, Wek'èezhì Renewable Resources Board, Yellowknives Dene First Nation and North Slave Métis Alliance to participate in twice annual working group meetings, one of which will annually take place in Whatì; • requiring the participation of the P3 operator; and, • inviting Tłıchǰ Elders to participate. <p>The developer will make meeting minutes publicly available. The developer will maintain the working group throughout the Project construction phase and for five years of Project operations, unless an extended term is agreed to by parties.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS		2019-2020 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The Tłıchǰ All-Season Road Corridor Working Group (TASR CWG) was formed in May 2019. It is made up of representatives from the following interested parties:</p> <ul style="list-style-type: none"> • The Tłıchǰ Government • Yellowknives Dene First Nations • North Slave Métis Alliance • Prince of Wales Northern Heritage Centre • Community Government of Whatì • Community Government of Behchokò • Wek'èezhì Renewable Resources Board • Wek'èezhì Land and Water Board • Environmental and Natural Resources • Department of Lands • Department of Infrastructure • Department of Finance • Fisheries and Oceans Canada • Environment and Climate Change Canada • North Star Infrastructure • Associated Engineering • Golder Associates <p>The group held its first meeting in Whatì on June 24, 2019, chaired by the Regional Superintendent of the Department of Infrastructure. The draft meeting minutes have been prepared and were distributed to all TASR CWG members for comments on August 6, 2019. Comments have been received and the final meeting minutes are ready for adoption at the next meeting before being made publicly available on GNWT-INF's project website. The next meeting will be held on December 11, 2019 at Behchokò.</p> <p>b) Implementation of the CWG has been successful thus far. The first TASR CWG meeting occurred before construction started so there was minimal discussion in terms of Adaptive Management. The success of the TASR CWG in helping to avoid or reduce impacts through Adaptive Management will continue to be seen through the upcoming meetings.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The Tłıchǰ All-Season Road Corridor Working Group (TASR CWG) was formed in May 2019. It is made up of representatives from the following interested parties:</p> <ul style="list-style-type: none"> • The Tłıchǰ Government • Yellowknives Dene First Nations • North Slave Métis Alliance • Prince of Wales Northern Heritage Centre • Community Government of Whatì • Community Government of Behchokò • Wek'èezhì Renewable Resources Board • Wek'èezhì Land and Water Board • Environmental and Natural Resources • Department of Lands • Department of Infrastructure • Department of Finance • Fisheries and Oceans Canada • Environment and Climate Change Canada • North Star Infrastructure • Associated Engineering <p>The CWG respectively held meetings on December 19, 2019 in Behchokò and July 7, 2020 via Zoom due to COVID-19 restrictions. The final meeting minute for December 19, 2019 has not been posted on the WLWB website, however, that for July 7, 2020 can be found here. The next meeting is schedule for the first week of December 2020. The specific date will be determined in the coming weeks.</p> <p>b) Implementation of the CWG has been successful thus far. Project updates from North Star Infrastructure (Contractor), presentations from regulators, input from interested Indigenous parties, and general discussion during the meeting have been useful for making sure all mitigation measures put in place are working as intended. So far, no serious issues were raised that impacted the construction progress.</p>
		2020-2021 DETAIL ON MEASURE PROGRESS
		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The Tłıchǰ All-Season Road Corridor Working Group was formed in May 2019. It is made up of representatives from the following interested parties:</p> <ul style="list-style-type: none"> • The Tłıchǰ Government • Yellowknives Dene First Nations • North Slave Métis Alliance • Prince of Wales Northern Heritage Centre • Community Government of Whatì • Community Government of Behchokò • Wek'èezhì Renewable Resources Board • Wek'èezhì Land and Water Board • Environmental and Natural Resources • Department of Lands • Department of Infrastructure • Department of Finance • Fisheries and Oceans Canada • Environment and Climate Change Canada • North Star Infrastructure • Associated Engineering <p>Due to COVID-19 restrictions, the Corridor Working Group held virtual meetings on December 1, 2020 and June 16, 2021, respectively. The final meeting minutes for December 1, 2020 can be found here while the minutes for the June 16, 2021 meeting are currently being finalized. The next meeting is schedule for the second week of December 2021.</p> <p>b) No change from the 2019-2020 response.</p>

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-4	P3 operator agreement	To ensure that all applicable and relevant commitments of the developer and measures directed at the developer are carried out during the construction and operation phases of the Project, the developer will formalize and include these commitments and measures in its final contract with the P3 operator.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2018-2019 DETAIL ON MEASURE PROGRESS	2019-2020 DETAIL ON MEASURE PROGRESS	2020-2021 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) This measure has been fulfilled. The Project Agreement between the GNWT-INF and North Star Infrastructure captures the legal requirements to satisfy the commitments and measures resulting from the environmental assessment. Schedule 19 (Environmental Obligations) and Schedule 1 (Definitions and Interpretation) would be some of the more relevant sections that satisfy this measure. The Project Agreement is available on GNWT-INF's Project website (https://www.inf.gov.nt.ca/sites/inf/files/content/tasr_-_project_agreement_final_redacted_version.pdf).</p> <p>b) The implementation of the Project Agreement has been fulfilled, as both parties have signed and entered into the agreement. The status and fulfillment of the commitments outlined within the Project Agreement are closely monitored by GNWT-INF.</p>	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>The reporting details for Measure 14-4 remain identical to last year's report.</p>	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>The reporting details for Measure 14-4 remain identical to last year's report.</p>

<p><u>Various Acronyms:</u> Developer = GNWT-INF with NSI (P3 Contractor) where applicable GNWT = Regulatory Authority/Responsible Minister DFO = Fisheries and Oceans Canada ECCC = Environment and Climate Change Canada ENR = GNWT - Environment and Natural Resources INF = GNWT - Infrastructure TCSA = Tłıchq Community Services Agency NBAC = National Burn Area Composite CNFDB = Canadian National Fire Database</p>	<p>REA = Report of Environmental Assessment TK = traditional knowledge WLWB = Wek'èezhì Land and Water Board WMMP = Wildlife Management and Monitoring Plan GNWT = Government of Northwest Territories MACA = Municipal and Community Affairs HSS = Health and Social Services CGW = Community Government of Whatì TIC = Tłıchq Investment Corporation</p>	<p>AE = Associated Engineering YKDFN = Yellowknives Dene First Nation TG = Tłıcho Government NSMA = North Slave Métis Alliance TASR = Tłıchq All-Season Road GAHR = Ground Ambulance Highway Rescue WRRB = Wek'èezhì Renewal Resources Board CGB = Community Government of Behchokò CIMP = Cumulative Impact Monitoring Program</p>
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November 4, 2022

BY EMAIL

Mark Cliffe-Phillips
Executive Director
Mackenzie Valley Environmental Impact Review Board
200 Scotia Centre
PO BOX 938
YELLOWKNIFE NT X1A 2N7

Dear Mark Cliffe-Phillips:

Government of the Northwest Territories' 2021 annual environmental assessment measures report for the Tłı̨chǫ All-season Road Project (EA1617-01, Measures 14-1 and 14-2)

On behalf of the Government of the Northwest Territories (GNWT), we are pleased to provide the 2021 annual environmental assessment measures report (the Annual Report) for the Tłı̨chǫ All-season Road Project. The Annual Report describes the implementation of measures directed to the developer (Measure 14-1) and to the GNWT (Measure 14-2), as required by EA1617-01. Where the measures are directed to the developer, the Department of Infrastructure (INF) has provided the response; where the measures are directed to the GNWT or specific departments within the GNWT, departments with mandates related to the measure have provided the response.

The Annual Report lists all measures as adopted by the responsible ministers and Tłı̨chǫ Government and summarizes the GNWT action to date, along with links to relevant documents. Suggestions from EA1617-01 directed to the developer or the GNWT are being considered as appropriate and are not captured in the Annual Report. For continuity with the 2020 Annual

Report, submitted on October 25, 2021, the reporting period covers activities between August 1, 2021 and July 31, 2022. The GNWT shared this submission with the Tłchq Government staff and has not received any comments.

Should the Mackenzie Valley Environmental Impact Review Board or any parties have any questions, please contact Marie-Christine Belair, Project Assessment Analyst, by email at Marie-Christine_Belair@gov.nt.ca or (867) 767-9180 Ext. 24025, or Benjamin Bey, Environmental Analyst, by email at Benjamin_Bey@gov.nt.ca or by phone at (867) 767-9083 Ext. 31058.

Sincerely,



Lorraine Seale
Director, Securities and
Project Assessment
Lands



Muhammad Abu Bakar
A/Manager, Surface Design and
Construction
Infrastructure

Attachment

- 2021 annual environmental assessment measures report for the Tłchq All-season Road Project.



Government of the Northwest Territories'

Tłıchq All-Season Road Project
2021 Annual Environmental Assessment Measures
Report

(as required by Measures 14-1 and 14-2)

EA1617-01

SUBMITTED TO

Mackenzie Valley Environmental Impact Review Board

200 Scotia Centre, P.O. Box 938

YELLOWKNIFE, NT X1A 2N7

November 4, 2022

Tłıchǫ All-Season Road: GNWT Annual Environmental Assessment Measures Report

This tabular report summarizes the Government of the Northwest Territories' (GNWT) 2021-2022 performance on twenty-three Tłıchǫ All-Season Road (TASR, the Project) environmental assessment measures (EA1617-01). Reporting is made on behalf of the GNWT, both as the developer (Measure 14-1) and as Government and Regulatory Authorities (Measure 14-2). For reference, the reporting period spans from August 1, 2021 to July 31, 2022.

The measures that stipulated annual reporting be provided to the Mackenzie Valley Environmental Impact Review Board (the Review Board) are as follows:

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-1	Annual reporting from the developer	<p>To demonstrate how measures are being implemented and to evaluate the effectiveness of the developer's efforts to prevent or minimize impacts on the environment, the developer will, throughout all phases of the development, prepare an annual report on the implementation of measures. The report will address the measures that the developer is responsible for and will:</p> <p>a) describe the actions, including actions implemented through adaptive management, being undertaken to implement the measures; and, b) evaluate how effective the implementation actions are in reducing or avoiding the impact (considering the results of monitoring programs and adaptive management frameworks). Where applicable, provide references to further information contained in other management plans or monitoring reports.</p> <p>The developer will provide its annual report to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>
Measure 14-2	Annual reporting from government and regulatory authorities	<p>To help evaluate the effectiveness of mitigation measures for the protection of the environment, each regulatory authority or government that is wholly or partly responsible for implementation of any measure in this <i>Report of Environmental Assessment</i> will prepare an annual report on implementation of measures. The report will:</p> <p>a) describe the actions being undertaken to implement the measures or the part(s) of the measures for which the regulatory authority or government is responsible; and, b) explain how these actions, including those implemented through adaptive management, fulfill the intent of the EA measures, including consideration of the following questions:</p> <p style="margin-left: 40px;">i. How are implementation actions addressing a likely significant adverse impact on the environment? ii. How effective are implementation actions at reducing or avoiding the impact or its likelihood?</p> <p>Government and regulators are only responsible for reporting on the implementation actions they take, not actions taken by the developer. For example, if a regulator does not issue an authorization, provide direction to the developer, approve a management plan, or take other actions that relate to an EA measure(s) in a given year, the regulator will not need to submit a report for that year.</p> <p>The governments and regulators will provide their annual reports to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>

DESCRIPTION OF HOW MEASURES ARE BEING SATISFIED AND UNDER WHICH MEASURE (14-1 OR 14-2) THE REPORT IS BEING MADE

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-1	<p>Developer's support of monitoring and adaptive management of adverse health and well-being impacts</p> <p>Part 1 Monitor adverse health and well-being impacts to the Community of Whatì</p> <p>Part 2 Reporting</p> <p>Part 3 Adaptive management and re-evaluation</p>	<p><u>5-1. Part 1: Monitoring adverse health and well-being impacts to the Community of Whatì</u></p> <p>To inform mitigation of significant cumulative and project-specific adverse impacts on the health and well-being of the Community of Whatì, the developer will support the Tłıchǵ Government and Community Government of Whatì in the monitoring and evaluation of direct and indirect impacts of the Project on the health and well-being of the Community of Whatì. These will include:</p> <ul style="list-style-type: none"> the anticipated initial spike in harmful behaviours associated with increased access to drugs and alcohol; traffic accidents on the road; change in safety of young women and other vulnerable groups; and, change in harvest success rates and availability of country foods in Whatì. <p>Monitoring will meet the requirements of Appendix C.</p> <p><u>5-1. Part 2: Reporting</u></p> <p>The developer will support the Tłıchǵ Government and Community Government of Whatì in preparing an annual progress report on their efforts to mitigate impacts on health and well-being to the Community of Whatì.</p> <p><u>5-1 Part 3: Adaptive management and re-evaluation</u></p> <p>The developer, in collaboration with the Tłıchǵ Government and Community Government of Whatì, will support the adaptive management of health and well-being impacts, following guidance in Appendix B.</p> <p>The developer will support the Tłıchǵ Government and Community Government of Whatì, in the monitoring, engagement, reporting and adaptive management described in this measure for each year of construction and for a minimum of ten years of Project operations.</p>

DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE

2020-2021 DETAIL ON MEASURE PROGRESS	2021-2022 DETAIL ON MEASURE PROGRESS
<p>This Measure is directed to the developer, reporting under Measure 14-1</p> <p>a) 5-1 Part 1: Monitoring adverse health and well-being impacts to Whatì: The developer continues to provide funding for a position within the GNWT for the implementation and adaptive management of the framework to monitor any health and well-being impacts associated with the road.</p> <p>5-1 Parts 2 and 3: Reporting and adaptive management: The developer will continue to support and collaborate with the TG, the CGW, the CGB, the TCSA and GNWT-HSS as the monitoring framework nears finalization and a schedule for public engagement and reporting is completed. Following implementation, the plan will be monitored, reviewed and adapted as necessary.</p> <p>b) It is still too early to determine the effectiveness of the actions taken as the monitoring has not yet been fully prepared or implemented.</p>	<p>This Measure is directed to the developer, reporting under Measure 14-1</p> <p>a) 5-1 Part 1: Monitoring adverse health and well-being impacts to Whatì: The developer continues to provide funding for a position within the Government of the Northwest Territories (GNWT) for the development of a monitoring and adaptive management framework associated with the road. This funding continues until 2024. The developer is working with GNWT-Health and Social Services (HSS) to improve support for implementation, including long-term planning and financial contributions. The developer is working to provide long-term support for the Tłıchǵ Government (TG), the Community Government of Whatì (CGW) and the Community Government of Behchokǵ (CGB), and the Tłıchǵ Community Services Authority (TCSA) alongside the GNWT-HSS.</p> <p>5-1 Parts 2 and 3: Reporting and adaptive management: The developer is working to provide long-term support for the TG, the CGW and CGB, and the TCSA alongside the GNWT-HSS for reporting. The developer will include social and health issues in the Corridor Working Group Discussions in addition to the existing health and well-being working group that implements Measures 5-1 and 5-2.</p> <p>b) As the road has been open for one year, it is still too early to properly assess effectiveness of the actions already taken. However, preliminary concerns from the community may require immediate actions to ensure that mitigation measures are implemented to address these concerns related to the opening of the road. The developer and GNWT-HSS have identified areas that need improvement and have received feedback from the working group about the need for adequate plans to implement the program for the period outlined in the Measure.</p>

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-2	<p>Tłıchǵ monitoring, engagement and reporting of adverse health and well-being impacts</p> <p>Part 1 Tłıchǵ monitoring of adverse health and well-being impacts</p> <p>Part 2 Public engagement</p> <p>Part 3 Reporting</p>	<p><u>5-2, Part 1: Tłıchǵ monitoring of adverse health and well-being impacts</u> The Tłıchǵ Government, Government of the Northwest Territories, Tłıchǵ Community Services Agency and Community Government of Whatı, with the support of the developer, will establish and implement a framework to monitor and evaluate health and well-being impacts associated with the road, and will adaptively manage health and well-being impacts as described in Measure 5-1 and following guidance in Appendices B and C, for each year of construction and for a minimum of ten years of operations. Following ten years of Project operations, the Community Government of Whatı, Government of the Northwest Territories, Tłıchǵ Community Services Agency and Tłıchǵ Government in collaboration with the developer, will re-evaluate the need for, and frequency of, monitoring, engagement, reporting and adaptive management. If the monitoring of harvest success rates and availability of country foods in Whatı (in Measure 5-1, Part 1, above) indicates a declining trend in harvest success and the consumption of country foods, the Tłıchǵ Government and the Community Government of Whatı will develop and implement a strategy to address the decline in the availability of country foods for those most affected.</p> <p><u>5-2, Part 2: Public engagement</u> The Tłıchǵ Government, Government of the Northwest Territories, Tłıchǵ Community Services Agency and Community Government of Whatı, with the participation of the developer and the P3 operator, will meet with the residents of Whatı at least once per year to discuss: a) priority health and well-being impacts at the individual, family and community level related to the Project; b) the effectiveness of programs or mitigations used to address these impacts; and, c) the need to adjust programs or implement additional mitigations.</p> <p><u>5-2, Part 3: Reporting</u> The Tłıchǵ Government, Government of the Northwest Territories, Tłıchǵ Community Services Agency and Community Government of Whatı, with the support of the developer, will prepare and make publicly available an annual progress report on their efforts to mitigate impacts on health and well-being to the Community of Whatı. The report will describe engagement, current management and plans for future adaptive management. The findings of the report will be presented to the residents of Whatı, provided to the Whatı Inter-Agency Committee and provided to the Tłıchǵ All-Season Road Corridor Working Group (see Measure 14-3).</p>

DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE

2020-2021 DETAIL ON MEASURE PROGRESS	2021-2022 DETAIL ON MEASURE PROGRESS
<p>This Measure is directed at the Tłıchǵ Government, TCSA and whole of the GNWT (with support of the developer). As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) The developer continues to provide funding for the implementation and adaptive management of the framework to monitor any health and well-being impacts associated with the road, including ongoing collaboration with the TG, CGW, CGB, the TCSA and the GNWT as the monitoring framework nears finalization.</p> <p>b) It is still too early to determine the effectiveness of the implementation actions, as road operations have not yet commenced.</p> <p>Reporting under Measure 14-2</p> <p>a) Collaboration between the Tłıchǵ Government, the TCSA, the CGW and the GNWT-HSS on the development and implementation of a monitoring framework, for evaluating and responding to health and well-being impacts associated with the road, continues and is nearing completion. Baseline data has been collected and a suite of indicators to monitor, including response thresholds and mitigative actions, have been identified and is nearly complete, with the objective of responding to and mitigating potentially adverse impacts associated with the operations of the road.</p> <p>b) The responsible governments continue to collaborate on finalizing a framework for monitoring and evaluating health and well-being impacts, which is very nearly complete. It remains too early to assess how effective the identified implementation actions are with respect to reducing or avoiding impacts, as operations of the road have not yet commenced.</p>	<p>This Measure is directed at the Tłıchǵ Government, TCSA and whole of the GNWT (with support of the developer). As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) The developer funded one position in the GNWT-HSS to support the coordination of this work from late 2019 onwards. GNWT-HSS provided preliminary funds to support work on Measure 5-1 and 5-2 for the period of March 2021 through March 2023. The developer and GNWT-HSS are working together to identify a long-term plan for implementation funding to support the monitoring framework based on information provided from the Tłıchǵ Government and the Community Government of Whatı and the Community Government of Behchokǵ.</p> <p>b) As the road nears one year of operations it is too early to determine with confidence the effectiveness of implementation. It is evident, however, that further work and immediate action is required to ensure that mitigations are implemented to address preliminary concerns related to the opening of the road.</p> <p>Reporting under Measure 14-2</p> <p>a) The Tłıchǵ Government, Government of the Northwest Territories, Tłıchǵ Community Services Agency (TCSA), Community Government of Whatı (CGW) and Community Government of Behchokǵ (CGB) have finalized a set of primary and secondary indicators to be used in monitoring and responding to health and well-being impacts associated with the road and are nearing the first year of monitoring road operations. The working group has completed two progress reports for the Tłıchǵ leadership and public and are preparing for community engagement on the results of the first year of monitoring in late 2022. GNWT-HSS, TCSA and the Office of the Chief Public Health Officer are meeting in October 2022 to identify health related mitigative actions that will be implemented in 22-23 fiscal year based on initial changes identified through the monitoring program and qualitative reports from the community. GNWT-HSS will be working with the Tłıchǵ Government and the Community Governments of Whatı and Behchokǵ to solidify the monitoring framework and support for adaptive management.</p> <p>b) It is early in project implementation; however preliminary findings are indicating that the initial spike in harmful behaviours and adverse effects that was predicted in the EA is occurring. The working group has been focused on: identifying the priority health and wellbeing indicators and effects; developing an action-focused adaptive management approach; and, most importantly, increasing the community engagement post-COVID lockdowns to receive community feedback on actions taken thus far. The working group will use this engagement to feed into the</p>

	planning of adaptive management approaches to ensure that these are based on community priorities. With more time, the working group, led by GNWT and Tłchq Government will be able to assess the effectiveness of implementation with more confidence.
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MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-3	Safety of young women in relation to work camps	To mitigate the Project's impact on the physical and mental health and safety of women, the developer will require that the successful P3 operator has gender appropriate and gender-specific policies in place that promote a safe, respectful and inclusive environment for women at work and in communities near work camps. The developer will consult with the Tłchq Government and Community Government of Whatì in establishing core elements of these policies.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Hiring for the construction of the road has been ongoing to meet construction staffing demands. Women have been hired from the Tłchq communities and there are currently 16 Tłchq women working on the TASR project. Senior Management from the P3 Operator (North Star Infrastructure), acting on behalf of the developer, continues to consult on a bi-weekly basis with the Tłchq Government Client Services Directors who represent the Tłchq Government's four communities. Initiatives to "improve opportunities for Woman in the Trades Industry" are items on the bi-weekly agenda. During these discussions, any employee grievances, safety issues or incidents are supposed to be brought up and resolved.</p> <p>Gender-specific policies developed are still being applied and appear to be working effectively.</p> <p>No safety issues or concerns have been raised by any female employees since the implementation of the policies and during the bi-weekly meetings.</p> <p>b) The actions taken to reduce or avoid impacts on the physical and mental safety of women appear to have been successful as no issues have been raised so far.</p> <p>The developer's Community Coordination Lead is coordinating with the Tłchq Government Career Development Manger to identify potential female candidates to fill positions during the operational phase of the project when the construction is complete. The project hired a total of 72 female craft and subcontractor Tłchq citizen workers since the beginning of the project.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Hiring for the construction of the road has been ongoing to meet construction staffing demands. Women have been hired from the Tłchq communities. Senior Management from the P3 Operator (North Star Infrastructure), acting on behalf of the developer, continues to consult on a bi-weekly basis with the Tłchq Government Client Services Directors who represent the Tłchq Government's four communities. Initiatives to "improve opportunities for Women in the Trades Industry" are items on the bi-weekly agenda. During these discussions, any employee grievances, safety issues or incidents are supposed to be brought up and resolved.</p> <p>Gender-specific policies developed are still being applied and appear to be working effectively.</p> <p>No safety issues or concerns have been raised by any female employees since the implementation of the policies and during the bi-weekly meetings.</p> <p>b) The actions taken to reduce or avoid impacts on the physical and mental safety of women appear to have been successful as no issues have been raised so far.</p>

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-4	Employee awareness training and policies	<p>To promote a positive, safe and inclusive work environment, the developer will ensure that the P3 operator:</p> <ul style="list-style-type: none"> • establishes a workplace environment that prevents assault, harassment and racism; • has a zero-tolerance harassment policy for racial or sexual discrimination; and, • requires employees to take a training course designed to promote cultural and gender awareness. <p>The developer will develop appropriate training materials, in consultation with the Tłıchǫ Government and the Tłıchǫ Community Services Agency, that reflect the factors that increase risks of sexual assaults on Aboriginal women. The developer, the Tłıchǫ Government and the Tłıchǫ Community Services Agency will coordinate course delivery. The developer will fund the training course.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) No change from the 2019-2020 response.</p> <p>b) The actions taken to implement this measure appear to have been effective. The grievance process has proven to work as the ones brought forward were resolved rapidly. No incidents of racial or sexual discrimination, sexual assault or harassment were reported during the 2020-2021 reporting period nor have any incidents been reported since the commencement of construction on September 2, 2019.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) No change from the 2020-2021 response.</p> <p>b) No incidents of racial or sexual discrimination, sexual assault or harassment were reported during the 2021-2022 reporting period nor have any incidents been reported since the commencement of construction on September 2, 2019.</p>

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-5	Community engagement and grievance mechanisms	<p>The developer will hold public engagement sessions with the Communities of Whatì and Behchokò to discuss project-related community concerns.</p> <p>The developer will have a camp grievance mechanism and a community grievance mechanism that allow individuals and communities to raise concerns in a timely and open manner. These will be in place before the start of Project construction.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Due to COVID-19, in-person Community Engagement has been challenging during the 2020-2021 reporting period. The Tłıchǵ Government Client Services Directors have developed a process for outside companies to conduct Community Engagement. The engagement process is updated during the Tłıchǵ Government Client Service bi-weekly meetings. The developer followed all guidelines for the Tłıchǵ Government Community Engagement process. On July 12, 2021, the developer hosted a TASR site tour for the Whatì Chief and Council members as part of the engagement process for the community to assess the construction progress.</p> <p>The developer designed a camp-grievance mechanism and a community-grievance mechanism. The camp-grievance mechanism was put in place prior to September 3, 2019 and is included as an element of the onsite orientation. The grievance policies were reviewed with the Tłıchǵ Government Client Service Department as and when necessary. The Tłıchǵ Government Client Services meets bi-weekly or as needed with the developer to review events, grievances, and policies.</p> <p>b) The implementation of the grievance mechanisms at the beginning of the project have proven to be successful, as demonstrated during the reporting period of 2019-2020. There were no grievances during the 2020-2021 reporting period but there is no indication of ineffectiveness in the grievance resolution mechanisms.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Due to COVID-19, in-person Community Engagement has been challenging during the 2021-2022 reporting period. The Tłıchǵ Government Client Services Directors have developed a process for outside companies to conduct Community Engagement. The engagement process is updated during the Tłıchǵ Government Client Service bi-weekly meetings. The developer followed all guidelines for the Tłıchǵ Government Community Engagement process.</p> <p>The developer designed a camp-grievance mechanism and a community-grievance mechanism. The camp-grievance mechanism was put in place prior to September 3, 2019, and is included as an element of the onsite orientation. The grievance policies were reviewed with the Tłıchǵ Government Client Service Department as and when necessary. The Tłıchǵ Government Client Services meets bi-weekly or as needed with the developer to review events, grievances, and policies.</p> <p>b) The implementation of the grievance mechanisms at the beginning of the project have proven to be successful, as demonstrated during the reporting period of 2019-2022. There were no grievances during the 2021-2022 reporting period but there is no indication of ineffectiveness in the grievance resolution mechanisms.</p>

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-6	Include Behchokò in accident response planning	The Government of the Northwest Territories will develop and implement an effective ground ambulance and highway rescue action plan along the road that will be designed in collaboration with the Tłıchǫ Government (TG), Tłıchǫ Community Services Agency (TCSA), Community Government of Whatì, and Community Government of Behchokò.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the GNWT, reporting under Measure 14-2</p> <p>a) Current actions and progress on implementation of Measure 5-6, Ground Ambulance Highway Rescue (GAHR) Action Plan Project for the TASR:</p> <ul style="list-style-type: none"> • Key activities completed to date include an assessment of the current operating environment, local capacity and resource considerations, service level options and key decision points. • MACA has updated the Tłıchǫ Highway Working Group and the elected officials of the Community Governments of Whatì and Behchokò, on assessment findings and the proposed approach going forward. • MACA has also completed an operational risk assessment for the Tłıchǫ Highway Working Group related to the types of traffic, hazards, response distances, and other risk considerations to further support decision making on a desired service level. • MACA has developed and provided an action plan for the delivery of ground ambulance and highway rescue along the TASR and has identified local capacity challenges that currently exist in the communities of Behchokò and Whatì. • As such, MACA has recommended to the Tłıchǫ Government, TCSA, CGW, and CWB to continue efforts to develop their local fire services in attaining industry best practices and safety related foundational elements prior to considering implementation and delivery of ground ambulance and highway rescue services. <p>b) Effectiveness of these actions towards meeting the intent of Measure 5-6, GAHR Action Plan Project for the TASR:</p> <ul style="list-style-type: none"> • Considering the above, MACA feels it has met the intent of Measure 5-6 and will continue collaborative efforts with the communities of Whatì and Behchokò in achieving necessary fire service foundational elements and support and guide efforts as community capacity expands to include decisions on emergency services that consider GAHR. • The GNWT continues to collaborate with the working group throughout the project to provide clarity on the current operating environment, response capacity, service level options, resource needs, budget impacts, and other important safety considerations required to develop safe, effective and sustainable emergency response services for the TASR. 		<p>This measure is directed to the GNWT, reporting under Measure 14-2</p> <p>a) Current actions and progress on implementation of Measure 5-6, Ground Ambulance Highway Rescue (GAHR) Action Plan Project for the TASR:</p> <ul style="list-style-type: none"> • The Department of Municipal and Community Affairs (MACA) has developed and provided an action plan for the establishment and delivery of GAHR services along the Tłıchǫ Highway, including the identification of local capacity challenges that currently exist. • MACA's recommendation to the Tłıchǫ Government, Tłıchǫ Community Service Agency, Community Government of Whatì, and Community Government of Behchokò is to continue efforts to build local fire service capacity in attaining territorial safety requirements and industry best practices prior to considering GAHR service expansion. <p>b) Effectiveness of these actions towards meeting the intent of Measure 5-6, GAHR Action Plan Project for the TASR:</p> <ul style="list-style-type: none"> • The decision on whether to expand local emergency services to include GAHR rests with community governments. • MACA feels it has met the intent of Measure 5-6 and will continue to work closely with the communities of Whatì and Behchokò to strengthen their fire service, while supporting and guiding efforts as community capacity expands to include decisions on emergency services that consider GAHR.

MEASURE		MEASURE SPECIFICS																																																																																																																																																			
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Measure 5-7	Prioritize Northern hiring	The developer will prioritize Northern hiring, and Tłchq citizen hiring in particular, in its contract with the P3 operator.																																																																																																																																																			
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<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer has prioritized Northern hiring and ensures Northern employment opportunities are fulfilled by onsite management by reviewing and considering all resumes received from Northern applicants. To encourage Northern hiring during the COVID pandemic, the developer, in consultation with the TCSA developed and organized Virtual Training for the Tłchq community members. The purpose of this program was to provide community citizens an introduction to the construction industry. Furthermore, once selected for employment, training was provided in a hands-on manner to increase understanding. Assistance was provided to review and complete hire-on paperwork as needed. In addition to other initiatives identified, the Developer has identified and is utilizing Tłchq workers with strong communication skills to help communicate tasks to other Tłchq citizens with less advanced English language skills.</p> <p>b) The developer prioritized Northern hiring and was actively hiring Tłchq and Northern employees each month in the 2020-2021 reporting period. Positions were advertised on the Tłchq Government Facebook page. So far, the actions taken to ensure prioritizing Northern hiring have been effective as reflected in the increasing number of Tłchq workers being employed on the project. The table below shows a breakdown and percentage of Tłchq workers. Tłchq workers are made up of Tłchq residents plus Tłchq Investment Corporation (TIC) approved workers.</p> <p style="text-align: center;">Number and Percentage of Tłchq and Northern Workers between September 2020 and July 2021</p> <table border="1"> <thead> <tr> <th>Month of Year</th> <th>Total Workers on Project</th> <th>Tłchq Residents +TIC-Approved Workers</th> <th>% of Tłchq Residents +TIC-Approved Workers</th> <th>Northern Residents</th> <th>% of Northern Residents</th> </tr> </thead> <tbody> <tr><td>Sept - 2020</td><td>264</td><td>177</td><td>67%</td><td>40</td><td>15%</td></tr> <tr><td>Oct - 2020</td><td>227</td><td>160</td><td>70%</td><td>24</td><td>11%</td></tr> <tr><td>Nov - 2020</td><td>150</td><td>103</td><td>69%</td><td>17</td><td>11%</td></tr> <tr><td>Dec - 2020</td><td>45</td><td>25</td><td>55%</td><td>7</td><td>16%</td></tr> <tr><td>Jan - 2021</td><td>3</td><td>2</td><td>67%</td><td>1</td><td>33%</td></tr> <tr><td>Feb - 2021</td><td>3</td><td>2</td><td>67%</td><td>1</td><td>33%</td></tr> <tr><td>Mar - 2021</td><td>8</td><td>7</td><td>88%</td><td>3</td><td>38%</td></tr> <tr><td>April - 2021</td><td>8</td><td>7</td><td>88%</td><td>3</td><td>38%</td></tr> <tr><td>May - 2021</td><td>122</td><td>59</td><td>48%</td><td>3</td><td>2%</td></tr> <tr><td>June - 2021</td><td>115</td><td>47</td><td>41%</td><td>14</td><td>12%</td></tr> <tr><td>July - 2021</td><td>129</td><td>73</td><td>57%</td><td>20</td><td>16%</td></tr> </tbody> </table> <p>The Virtual community training program has proven to be effective. The targeted number of enrollments was twenty-two candidates. A total of twenty-four students were selected and a total of seven students attended. After a 24-hour online training was provided, they were awarded a certificate and invited to a site tour of the project on June 24, 2021.</p>			Month of Year	Total Workers on Project	Tłchq Residents +TIC-Approved Workers	% of Tłchq Residents +TIC-Approved Workers	Northern Residents	% of Northern Residents	Sept - 2020	264	177	67%	40	15%	Oct - 2020	227	160	70%	24	11%	Nov - 2020	150	103	69%	17	11%	Dec - 2020	45	25	55%	7	16%	Jan - 2021	3	2	67%	1	33%	Feb - 2021	3	2	67%	1	33%	Mar - 2021	8	7	88%	3	38%	April - 2021	8	7	88%	3	38%	May - 2021	122	59	48%	3	2%	June - 2021	115	47	41%	14	12%	July - 2021	129	73	57%	20	16%	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer has prioritized Northern hiring and ensures Northern employment opportunities are fulfilled by onsite management by reviewing and considering all resumes received from Northern applicants. 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MEASURE		MEASURE SPECIFICS
Boreal caribou		
Measure 6-1	<p>Implementation of the Recovery Strategy for the Boreal Caribou in the NWT, and required range plans, for boreal caribou affected by the Project</p> <p>Part 1 Develop and implement range plans</p> <p>Part 2 Information and adaptive management requirements</p>	<p><u>6-1, Part 1: Develop and implement range plans</u> The GNWT-ENR will develop and implement a range plan for boreal caribou (t̄d̄z̄ı) in the North Slave portion of the NT1 range, as required by the Recovery Strategy for the Boreal Caribou in the NWT. The GNWT-ENR will also develop and implement a range plan for any other region where boreal caribou (t̄d̄z̄ı) may experience impacts related to the Project.</p> <p>The range plan(s) will be developed collaboratively with Aboriginal groups and co-management partners. GNWT-ENR will complete and submit a range plan for the North Slave portion of the NT1 range to the Wek'èezhì Renewable Resources Board for review under section 12.5.1 of the T̄h̄ch̄ Agreement a minimum of 90 days before the Project is opened for public use.</p> <p>The GNWT will work collaboratively with the T̄h̄ch̄ Government, and other relevant Aboriginal and federal land management authorities to manage habitat to achieve the habitat disturbance threshold set out in this range plan to the greatest extent possible. The GNWT will consult with applicable Aboriginal groups as required.</p> <p><u>6-1, Part 2: Information and adaptive management requirements</u> For the area identified by the range plan(s) in measure 6-1, part 1 the following must be included in the development and implementation of the Recovery Strategy for the Boreal Caribou in the NWT or range plan(s):</p> <ul style="list-style-type: none"> • monitoring to determine population trends, abundance and distribution; • determination of population thresholds and triggers to inform adaptive management; • harvest monitoring and reporting; • determining sustainable harvest levels; • identifying critical habitat; • ongoing habitat disturbance monitoring; • setting disturbance thresholds for critical habitat and, to the greatest extent possible, managing habitat towards meeting these disturbance thresholds for each range planning region; and, • monitoring predator populations including densities, movements and predation rates. <p>Monitoring will meet the requirements of Appendix C. GNWT-ENR will work with the developer to adaptively manage Project impacts on boreal caribou (t̄d̄z̄ı) (following guidance in Appendix B).</p>

DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE

2020-2021 DETAIL ON MEASURE PROGRESS	2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the GNWT-ENR, reporting under Measure 14-2</p> <p>a) 6-1 Part 1: Develop and implement range plans: The Interim Wek'èezhì Boreal Caribou Range Plan was submitted to the Wek'èezhì Renewable Resources Board (WRRB) for review under section 12.5.1 of the T̄h̄ch̄ Agreement on August 17, 2021, 105 days before the anticipated opening of the TASR for public use.</p> <p>The Interim Wek'èezhì Boreal Caribou Range Plan was developed through collaboration with Indigenous Governments and co-management partners. The Wek'èezhì Boreal Caribou Range Plan Working Group met on April 22-23, 2021 and on May 12-13, 2021 to provide input into the plan. The T̄h̄ch̄ Government and North Slave Métis Alliance provided spatial data from traditional knowledge mapping workshops/interviews they conducted and the information was included in the interim range plan.</p> <p>The GNWT will continue to work with Indigenous governments and co-management partners to complete a full range plan that will replace the interim range plan. The full range plan will include additional consideration of Indigenous knowledge shared at future community meetings.</p> <p>6-1 Part 2: Information and adaptive management requirements: <u>Monitoring to determine population trends, abundance and distribution</u></p> <ul style="list-style-type: none"> • ENR deployed 23 collars on adult female boreal caribou within the TASR study area in March 2021. These collars were put out to replace collars that had been deployed in 2017 and were scheduled to drop-off on March 01, 2021, as well as collars lost due to mortality during the reporting period. There are currently 32 active collars in the study area. Spring classification surveys were completed in February 2021 to estimate calf:cow ratios. <p><u>Determination of population thresholds and triggers to inform adaptive management</u></p> <ul style="list-style-type: none"> • Population thresholds and triggers have not yet been defined for the region. Instead, regional habitat disturbance thresholds which are tied to the likelihood of population self-sustainability have been defined in the NWT range planning framework (A Framework for Boreal Caribou Range Planning). 	<p>This measure is directed to the GNWT-ENR, reporting under Measure 14-2</p> <p>a) 6-1 Part 1: Develop and implement range plans A final draft of the interim Wek'èezhì range plan was completed at the end of June 2021, and was submitted to the Wek'èezhì Renewable Resources Board (WRRB) on August 17, 2021. At the same time, ENR initiated a public review period for the interim range plan, with comments accepted until early October 2021. On November 03, 2021, the Department of Environment and Natural Resources (ENR) submitted a revised version of the interim range plan to the WRRB along with a summary of how comments from the public review period had been addressed. On December 09, 2021, WRRB notified ENR that they had approved the interim range plan. The final interim Wek'èezhì range plan is available at: https://www.enr.gov.nt.ca/en/interim-wekeezhii-boreal-caribou-range-plan-plan-provisoire-pour-laire-derepartition-du-caribou On April 28, 2022 the Wek'èezhì Boreal Caribou Range Planning Working Group met to resume work on the full Wek'èezhii range plan.</p> <p>6-1 Part 2: Information and adaptive management requirements: <u>Monitoring to determine population trends, abundance and distribution</u></p> <ul style="list-style-type: none"> • ENR initiated a boreal caribou monitoring program in the North Slave region focused on the TASR corridor in March 2017. Annual survival rates of collared female caribou, as well as spring classification surveys used to estimate calf:cow ratios conducted in February or March each year, are used to estimate annual rates of population trend (λ =adult female survival/[1-female calf recruitment]) following Latham et al.'s (2010) modification of Hatter and Bergerud's (1991) equation. To date ENR has observed high annual female survival rates, and a stable to increasing population trend in all five years, but the calf recruitment rate was lower in 2019-20 and 2021-22 than the other three years of the program, and adult female survival was lower in 2021-22 than in previous years. • ENR deployed 10 collars on adult female boreal caribou within the TASR study area in March 2022. These collars were put out to replace collars that had been deployed in 2018 and were scheduled to drop-off on March 01, 2022, as well as collars lost due to mortality during the reporting period. Spring classification surveys were completed in March 2022 to

Harvest monitoring and reporting

- The Tłı̨chǫ Government developed a proposal for a monitoring program to address Measures 7-1 and 9-1 of the Report of EA. In August 2020, GNWT-INF committed funds to support the Tłı̨chǫ Government to undertake this program. Measure 9-1 relates to the development of a non-mandatory harvest monitoring and reporting program. The information from this program will provide information that will also support implementation of Measures 6-2 and 7-2, as well as inclusion of traditional knowledge as required by Measures 9-3 and 10-2.

Determining sustainable harvest levels

- See Measure 6-2 regarding activities related to determination of sustainable harvest levels.

Identifying critical habitat

- GNWT-ENR completed a range-wide (NT1) habitat selection analysis (resource selection functions) project using boreal caribou collar data from across the NWT to model and generate predictive maps of boreal caribou habitat selection during different seasons (NWT CIMP Project #202). The predictive habitat selection maps are being used to assist with identifying important areas for boreal caribou to support range planning and were also used in the draft TASR habitat offset plan for boreal caribou.

Ongoing habitat disturbance monitoring

- ENR measures and updates fire disturbance on an annual basis and contributes this data to the National Burn Area Composite (NBAC) and Canadian National Fire Database (CNFDB) datasets maintained by Natural Resources Canada. ENR uses a combination of the NBAC (1986-2019) and CNFDB (pre-1986) datasets to calculate fire disturbance within the NT1 boreal caribou range. The NBAC data was last updated in 2019. In fall 2019, the Wek'èezhì portion of the boreal caribou range had 31.9% fire disturbance (≤ 40 yrs old; current to 2019), 0.8% human disturbance (including 500 m buffer; data current to 2015 [source ECCC]), and 32.3% total combined fire/human disturbance. These regional estimates do not include the projected footprint of the TASR project. The NT1 range as a whole had 23.1% fire disturbance, 9.1% human disturbance and 30.5% total disturbance.

Setting disturbance thresholds for critical habitat and, to the greatest extent possible, managing habitat towards meeting these disturbance thresholds for each range planning region

- Disturbance limits and human disturbance management thresholds have been defined for each boreal caribou range planning region within the NWT Framework for Boreal Caribou Range Planning.

Monitoring predator populations including densities, movements and predation rates

- A wolf aerial abundance survey was completed within a 5000 km² block centered on the TASR corridor in March 2020. A similar sized block was surveyed within the Mackenzie boreal caribou monitoring study area to serve as a reference site. Wolf densities were estimated to be 2.2 wolves/1000 km² in the TASR survey block and 1.8 wolves/1000 km² in the Mackenzie survey block.

b) No change from 2018-2019 response.

estimate calf:cow ratios. As of September 2022, there are 35 active collars in the study area.

- No boreal caribou abundance surveys took place in 2021 or 2022.

Determination of population thresholds and triggers to inform adaptive management

- Population thresholds and triggers have not yet been defined for the region. Instead, regional habitat disturbance thresholds which are tied to the likelihood of population self-sustainability have been defined in the NWT range planning framework ([A Framework for Boreal Caribou Range Planning](#)).

Harvest monitoring and reporting

- The Tłı̨chǫ Government developed a proposal for a monitoring program to address Measures 7-1 and 9-1 of the Report of EA. In August 2020, GNWT-INF committed funds to support the Tłı̨chǫ Government to undertake this program. Measure 9-1 relates to the development of a non-mandatory harvest monitoring and reporting program. The information from this program will provide information that will also support implementation of Measures 6-2 and 7-2, as well as inclusion of traditional knowledge as required by Measures 9-3 and 10-2.

- In addition to the program led by the Tłı̨chǫ Government, Renewable Resources Officers from GNWT-ENR have been conducting patrols along the TASR following the opening of the road to public use. Patrols vary from daily to about three times a week, depending on the time of year.

Determining sustainable harvest levels

- See Measure 6-2 regarding activities related to determination of sustainable harvest levels.

Identifying critical habitat

- GNWT-ENR completed a range-wide (NT1) habitat selection analysis (resource selection functions) project using boreal caribou collar data from across the NWT to model and generate predictive maps of boreal caribou habitat selection during different seasons (NWT CIMP Project #202). The predictive habitat selection maps are being used to assist with identifying important areas for boreal caribou to support range planning and were also used in the draft TASR habitat offset plan for boreal caribou.

Ongoing habitat disturbance monitoring

- ENR measures and updates fire disturbance on an annual basis and contributes this data to the National Burn Area Composite (NBAC) and Canadian National Fire Database (CNFDB) datasets maintained by Natural Resources Canada (NRCan). ENR uses a combination of the NBAC (1986-2020) and CNFDB (pre-1986) datasets to calculate fire disturbance within the NWT boreal caribou range.

- The interim Wek'èezhì range plan contains fire data as of 2020. As of fall 2020, the Wek'èezhì portion of the boreal caribou range had 31.9% fire disturbance (≤ 40 yrs old), 0.8% human disturbance (including 500 m buffer; data current to 2015 [source ECCC]), and 32.3% total combined fire/human disturbance. These regional estimates do not yet include the final footprint of the TASR project (road alignment and borrow sources plus a 500 m buffer); however, based on the proposed alignment and all 21 potential borrow sources, the human disturbance footprint in the region would increase to 0.92%, and the total disturbance footprint (fire/human combined) would remain roughly the same at 32.3%. The NT1 range as a whole had 21.5% fire disturbance, 9.1% human disturbance and 29.0% total disturbance.

- For general awareness, ENR is reporting on firewood harvesting. Currently any NWT resident can get a free timber cutting permit for km 0-5 on the TASR. There is an allowable 40 free timber cutting permits available to be issued for two months and up to five cords of firewood for km 8-12 of the TASR. There cannot be more than 40 permits issued at any given time for this user group. Indigenous harvesters can harvest from km 0-75 with a free permit but must not cut within 500m of a designated cabin. ENR and the Tłı̨chǫ Government are working together to develop a Forest Management Plan for the Wek'èezhì area.

Setting disturbance thresholds for critical habitat and, to the greatest extent possible, managing habitat towards meeting these disturbance thresholds for each range planning region

- Disturbance limits and human disturbance management thresholds have been defined for each boreal caribou range planning region within the NWT Framework for Boreal Caribou Range Planning.

Monitoring predator populations including densities, movements and predation rates

- As part of the TASR WMMP and research program in partnership with Laval University (funded by the Sentinel North program), ENR deployed six culvert traps along Highway 3 between Fort Providence and Behchoko, and along the TASR corridor, to deploy GPS collars on black bears. Traps were deployed in different locations between September 8th and October 8th, 2021. The purpose of this program is to evaluate the influence of the TASR and Highway 3 on black bear movements and to assess predation rates of black bears on boreal caribou, moose and bison calves. The broader purpose of the Sentinel North project is to study food web dynamics between boreal caribou, moose, bison, wolves and bears and to understand how the food web is influenced by natural and human landscape disturbance as well as climate change. The black bear collars are equipped with a video camera to capture short video clips at regular intervals to document black bear predation events as well as to learn more about their behaviour and food habits. A total of seven bears were captured and fitted with GPS collars in 2021 – six males and one female. An additional female black bear was captured and collared in Yellowknife and was released inside the study area. One male bear was captured and fitted with a GPS collar in spring 2022. Additional collaring is planned for autumn 2022 to reach a target sample size of 20 individuals.
 - ENR completed a wolf survey in the TASR area February 26-March 1, 2022, using the same survey area as the 2020 survey. The wolf density estimate was 2.0-2.8 wolves/1000 km². A second 2022 wolf survey in the Mackenzie area east of Highway 3 acted as a control. The wolf density estimate in this area was 1.4 wolves/1000 km². Four wolves in two different packs were collared in the study area in February 2022. One collared wolf died in March 2022 of a vehicle collision and one wolf collar is stationary in a remote location. As of Sept 2022, there are two collared wolves in the study area.
- b) Measure 6-1 directs the GNWT-ENR to develop and implement a range plan for boreal caribou in the North Slave portion of the NT1 range. The actions taken to date outline the progress the GNWT-ENR has made, in collaboration with Indigenous governments and Indigenous organizations, renewable resources boards, land use planning boards, regulatory boards, industry and non-governmental organizations, in working towards the development of boreal caribou range plans. The development and implementation of range plans will help address Project impacts as range plans are tools for decision-makers, developers and communities to help manage activities on the land in a way that supports caribou conservation. The effectiveness of this measure cannot be determined until after the boreal caribou range plan for the Wek'èezhì region is completed and fully implemented.

MEASURE		MEASURE SPECIFICS
Boreal caribou		
Measure 6-2	Determine sustainable harvest levels for boreal caribou (t̄d̄z̄i) and implement measures to ensure harvest is sustainable if required	<p>To mitigate significant adverse impacts from the project on boreal caribou (t̄d̄z̄i), the GNWT-ENR, in collaboration with Aboriginal groups and in accordance with the requirements of the T̄h̄ch̄q Agreement, will determine sustainable harvest levels for boreal caribou in the North Slave portion of the NT1 range prior to the road being opened to the public.</p> <p>In that same period, if current harvest levels are determined to exceed sustainable levels, management action will be undertaken in conjunction with the T̄h̄ch̄q Government.</p> <p>If harvest levels are observed to increase towards unsustainable levels once the road is opened to the public, GNWT-ENR and T̄h̄ch̄q Government will submit a wildlife management proposal under section 12.5.1 of the T̄h̄ch̄q Agreement to the Wek'èezhì Renewable Resources Board for the timely implementation of any measures necessary to ensure boreal caribou harvest in the region is kept within sustainable levels. Such measures may include the establishment of a no-hunting corridor along the Project route.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the GNWT-ENR, reporting under Measure 14-2</p> <p>a) ENR's contractor completed the report on population modeling to assess sustainable harvest rates for boreal caribou in March 2020. ENR has developed a Plain Language Summary of the report and a 2-page Factsheet. ENR will share the report, Plain Language Summary and Factsheet with Indigenous governments in the South Slave, Dehcho and North Slave regions, as well as the Wek'èezhì Renewable Resource Board, to initiate engagement on the findings of the report and discuss management options. ENR will offer to meet with each Indigenous government and the Wek'èezhì Renewable Resource Board in fall 2021.</p> <p>b) No change from the 2018-19 response.</p>		<p>This measure is directed to the GNWT-ENR, reporting under Measure 14-2</p> <p>a) ENR hired a contractor to conduct population modeling to evaluate sustainable harvest levels using available demographic data from boreal caribou monitoring programs in the Dehcho, South Slave and North Slave regions. The report was completed as of March 31, 2020. On September 27, 2021, GNWT circulated the report to Indigenous Governments and Indigenous Organizations (IGs and IOs) and released the report on ENR's website. The findings of the report were presented on November 10, 2021 at the Wildlife Act Section 15 meeting, as well as at specific meetings with the T̄h̄ch̄q Government and North Slave Métis Alliance on October 28, 2021. ENR also held meetings to discuss the report with four IGs and IOs from the South Slave and Dehcho regions in fall 2021. Engagement on the report will continue in 2022. Copies of the full report, plain language summary and fact sheet can be found at:</p> <ul style="list-style-type: none"> • https://www.enr.gov.nt.ca/sites/enr/files/resources/gnwt_boreal_caribou_population_model_report_final_bil_1.pdf • https://www.enr.gov.nt.ca/sites/enr/files/resources/plain_lanugage_summary_boreal_caribou_sustainable_harvest_report_sep2021_0.pdf • https://www.enr.gov.nt.ca/sites/enr/files/resources/boreal_caribou_sustainable_harvest_fact_sheet.pdf <p>b) The actions taken to date outline the progress the GNWT-ENR has made in implementing this measure and has established a baseline understanding for sustainable harvest levels in the North Slave regions of the NT1 range. The effectiveness of this measure cannot be determined until future harvest level data is available for comparison against the baseline data.</p>

MEASURE		MEASURE SPECIFICS
Boreal caribou		
Measure 6-3	Habitat offset and restoration plan	<p>The developer will offset effective boreal caribou (t̄q̄dzi) habitat lost because of disturbance from the Project.</p> <p>The developer, with the involvement of GNWT-ENR, will prepare and implement a habitat offset plan. This plan will describe how the required habitat offset area will be determined and how it will be achieved. In preparing the plan, the developer will collaborate with T̄ich̄q̄ Government and the Wek'èezhì Renewable Resources Board, and consult with the following participants to this environmental assessment:</p> <ul style="list-style-type: none"> • Environment and Climate Change Canada; • Yellowknives Dene First Nation; and, • North Slave Métis Alliance. <p>The developer will make funding available to the parties to support this consultation and collaboration. The developer will submit a draft and a final plan as described below. Once approved, the developer will operate in accordance with the plan.</p> <p>The developer will submit a draft plan to the Wek'èezhì Renewable Resources Board a minimum of 30 days prior to commencement of construction. The developer will submit the final habitat offset plan to the Wek'èezhì Renewable Resources Board for review under section 12.5.1 of the T̄ich̄q̄ Agreement, as soon as possible, and no later than 90 days prior to public use of the road. This final plan will include, at a minimum:</p> <ul style="list-style-type: none"> • the goals and objectives of the plan; • a discussion on the expected effectiveness of mitigations and offsets; • a decision framework to prioritize restoration areas, mitigations, and offsets, including references to the research on which the decision framework was based; • a discussion of how any proposed mitigations or offsets align with the Recovery Strategy for the Boreal Caribou in the NWT and range plans; • details of proposed ways to offset habitat disturbance including restoration sites, mitigation measures, offsets, forest fire fighting policies, or habitat management approaches; • a description of the spatial scale of the proposed offset, the habitat quality and type, site specific restoration activities, and any challenges; • a timeline for offsetting; • a quantitative and qualitative assessment of the total area of boreal caribou habitat proposed for restoration and the timeframe required for restoration; • a summary of consultation feedback that was integrated into the draft and final plans; • a description of any Traditional Knowledge that was considered in the development of the plan, and how it was incorporated; and, • a description of any resources provided to Aboriginal groups to support their involvement in the drafting of the final plan, and for any involvement in the implementation of the plan.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is primarily directed to the developer, but requires the involvement of GNWT-ENR. The developer and ENR worked collaboratively to provide the information as summarized below, reporting under Measures 14-1 and 14-2.</p> <p>a) The Boreal Caribou Habitat Offset Plan was submitted to the WRRB for review under section 12.5.1 of the T̄ich̄q̄ Agreement on July 16, 2021. Prior to submission, the developer's consultant (Associated Environmental) had shared a draft of the final plan with the T̄ich̄q̄ Government, North Slave Métis Alliance, Yellowknives Dene First Nation, Wek'èezhì Renewable Resource Board, Environment and Climate Change Canada and the GNWT on September 11, 2020 and incorporated feedback into the plan. The consultant then continued to collaborate with ENR and INF to finalize the plan and develop a framework for implementing the Boreal Caribou Habitat Offset Plan.</p> <p>Updates on the status and development of the final plan were provided by the consultant to the Corridor Working Group members at the December 1, 2020 and June 16, 2021 Corridor Working Group meetings.</p> <p>b) No change from the 2019-2020 response.</p>		<p>This measure is primarily directed to the developer, but requires the involvement of GNWT-ENR. The developer and ENR worked collaboratively to provide the information as summarized below, reporting under Measures 14-1 and 14-2.</p> <p>a) The Final Boreal Caribou Habitat Offset Plan was completed and submitted to the Wek'èezhì Renewal Resources Board (WRRB) on July 16, 2021. On September 2, 2021, the WRRB approved the final plan which paved the way for the road to be opened to the public on November 30, 2021. The Final Plan and WRRB's letter of approval can be found here.</p> <p>The next steps in the offsetting program are:</p> <ol style="list-style-type: none"> 1. Development of Implementation Plan 2. Field Implementation of the Plan <p>To undertake the full scope of steps 1 & 2 above, INF sought the services of a consultant to estimates the costs associated with implementation plan development and implementation of the plan. Once funding is secured, Request for Proposals (RFP) will be sent out in 2023/24 for the offsetting program to move forward.</p> <p>b) No change from the 2019-2020 response.</p>

MEASURE		MEASURE SPECIFICS
Barren-ground caribou		
Measure 7-1	Incorporate Traditional Knowledge into monitoring of barren-ground caribou (ʔekwò)	To improve and inform mitigation of significant adverse impacts to barren-ground caribou (ʔekwò) resulting from increased access due to the Project, the developer will include Traditional Knowledge in barren-ground caribou (ʔekwò) monitoring and management. Prior to operations, the developer will: a) support the Tłıchʔ Government in the design and implementation of a program that uses Tłıchʔ harvesters' traditional knowledge and methods to monitor the state of barren-ground caribou (ʔekwò) winter habitat, during and after the construction of the Project; b) fund the implementation of the program in paragraph a); and, c) incorporate the findings of the program in paragraph a) into the Wildlife Management and Monitoring Plan while it is in place, and into any other barren-ground caribou (ʔekwò) management if the Wildlife Management and Monitoring Plan is not extended.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
This measure is directed to the developer, reporting under Measure 14-1 a) Same as Measure 9-1. b) No change from the 2019-2020 response.		This measure is directed to the developer, reporting under Measure 14-1 a) Same as Measure 9-1. b) No change from the 2019-2020 response .

MEASURE		MEASURE SPECIFICS
Barren-ground caribou		
Measure 7-2	Barren-ground caribou mitigation and policy changes	To manage significant adverse impacts to barren-ground caribou (ᐱᑦᐅᐅᐅ) resulting from the Project, GNWT-ENR and ᑕᐅᐅᐅ Government, along with their co-management partners in the Wek'èezhì area, will: a) complete the Bathurst Caribou Range Plan as soon as possible and prior to the expiry of the Wildlife Management and Monitoring Plan; and, b) consider protecting barren-ground caribou (ᐱᑦᐅᐅᐅ) historic winter habitat from fires when determining where and when fires are fought, to offset effective habitat loss from the Project.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the GNWT-ENR and the ᑕᐅᐅᐅ Government, reporting under Measure 14-2</p> <p>a) 7-2, Part a: complete the Bathurst Caribou Range Plan: No changes or updates since the 2018-2019 response.</p> <p>7-2, Part b: consider protecting barren-ground caribou historic winter habitat from fires: ENR did not fight any fires in the areas identified by the ᑕᐅᐅᐅ Government as a priority for boreal caribou or barren ground caribou. ENR did suppress one fire south of Whatì, half way up the TASR road, which had grown to 550 hectares. This is the only fire that started in what is considered to be prime boreal caribou habitat. There were a total of seven forest fires reported in 2020 in barren ground caribou habitat, but the fires did not reach a significant size due to frequent precipitation events. Together these seven fires burned collectively a total of 2297 hectares. Three of these fires were located northeast of Wekweèti and were extinguished shortly after they started by rain at a combined size of nine hectares. The other four fires were north of Whatì and Gamèti with a combined total area burned of 2287 hectares. No new priority areas were identified by any other organizations or governments in 2020.</p> <p>b) No change from the 2018-2019 response.</p>		<p>This measure is directed to the GNWT-ENR and the ᑕᐅᐅᐅ Government, reporting under Measure 14-2</p> <p>a) 7-2, Part a: complete the Bathurst Caribou Range Plan: The Bathurst Caribou Range Plan (BCRP) was released on August 21, 2019. The BCRP was developed by a multi-stakeholder working group and will help decision-makers manage activities on the land in a way that supports the recovery of the Bathurst herd, while providing clarity on land use and access for developers, regulators and residents of the Northwest Territories (NWT). It includes guidance for managing the overall amount of disturbance on the land, as well as seven management tools to reduce and manage impacts to caribou and caribou habitat. Actions are currently underway to support implementation of the recommendations contained in the BCRP. The BCRP is available on ENR's website at https://www.enr.gov.nt.ca/sites/enr/files/resources/bathurst_caribou_range_plan_2019_-_plan_pour_laire_de_repartition_des_caribous_de_bathurst_2019.pdf.</p> <p>In 2021, GNWT-ENR, with an Industry partner, has developed two guidance documents for the implementation of Mobile Caribou Conservation Measures (MCCM). A Framework Document describes the intent of MCCM and how they would operate, and an Operational Guidance document provides direction for companies with exploration camps that might need to implement MCCM at their site. GNWT-ENR conducted a desktop pilot project of MCCM in Fall 2020. The pilot project was conducted as a desktop exercise as exploration camps were not operational due to COVID-19. Results of the pilot project are reported in the MCCM Operational Guidance document and show how often caribou interacted with the sites, how long they resided nearby, what type of mitigation measures would have been triggered and for how long. GNWT-ENR plans to work with an Industry partner to test the MCCM and Operational Guidance document at an active exploration camp in 2022.</p> <p>7-2, Part b: consider protecting barren-ground caribou historic winter habitat from fires: The BCRP contains a recommendation to: "On an annual basis, identify large, strategically-</p>

located patches of forest in the central Bathurst winter range for the GNWT fire management “Values at Risk” database. Response to fires in these areas would be based on an analysis of the current fire load, fire environment, resource availability and similar considerations of the management options at the time of the fire event.”

ENR has been exploring ways to identify areas as values at risk for boreal and barren-ground caribou based on habitat selection models, areas identified as important habitat by communities, availability and location of fire management resources, and logistical constraints. ENR staff met in summer and fall 2019 to discuss different options and this work is ongoing. The Tłı̨chǫ Government held a workshop to identify areas of critical winter habitat for boreal and barren-ground caribou and shared the spatial data from the workshop with ENR in late summer 2019.

A total of 44 forest fires were reported in the North Slave region in 2021, with a total area burned of 34,865 ha. This was below the 10-year average of 57 fires per year and 287,000 ha burned per year. Several fires around Yellowknife, Behchokǫ and Whatì received fire suppression actions. ENR fought a fire (Zf035-21) that occurred south of Whatì and east of the TASR which was within a large patch of high suitability late-winter habitat for boreal caribou identified as Value at Risk in the interim Wek’èezhì range plan. It took over 10 days to have the fire controlled and the fire burned an area of 2699 ha. Two fires that occurred within the barren-ground caribou winter range (Zf036-21 and Zf037-21) northeast of Whatì and southwest of Gamètì were suppressed during the same period but did not coincide with areas identified by the Tłı̨chǫ Government as a priority barren ground caribou habitat. Two fires in the Wek’èezhì Management area that were human caused were quickly suppressed and did not reach a significant size. 2022 fire data has not yet been fully analyzed and will be reported on in future reports.

- b) The actions taken to date outline the progress the GNWT-ENR has made in implementing this measure. The development and implementation of range plans will help address this impact as range plans are tools for decision-makers, developers and communities to help manage activities on the land in a way that supports caribou conservation. The effectiveness of the BCRP cannot be assessed because the BCRP is relatively recent (August 21, 2019).

MEASURE		MEASURE SPECIFICS
Fish and water		
Measure 8-1	Fisheries Management Plan	<p>Fisheries and Oceans Canada and the Tłıchq Government, with the support of the developer, will develop and implement a Fisheries Management Plan for fisheries in the project area. This will prevent significant adverse impacts from additional fishing pressure that will likely result from increased access via the Project. In designing the plan, Fisheries and Oceans Canada will engage with the Tłıchq Government, the Wek'èezhì Renewable Resources Board, the Community of Whati and other affected Aboriginal groups. Fisheries and Oceans Canada and the Tłıchq Government will submit the plan to the Wek'èezhì Renewable Resources Board for review under section 12.5.1 of the Tłıchq Agreement.</p> <p>As part of this plan, Fisheries and Oceans Canada and the Tłıchq Government will complete the following work:</p> <p>a) Complete work to understand baseline fishery and harvest conditions. This work will include, at a minimum:</p> <ol style="list-style-type: none"> i. assessing yield and harvest; ii. identifying management issues; iii. establishing fisheries objectives; and, iv. clarifying management and stewardship arrangements. <p>b) Design and implement, with support of the developer, mitigation to prevent or manage project impacts (which may include a regulatory and compliance plan).</p> <p>c) Design and implement monitoring plans, meeting the requirements of Appendix C.</p> <p>d) Design and implement an adaptive management plan (following guidance in Appendix B).</p> <p>Fisheries and Oceans Canada and the Tłıchq Government will provide opportunity for the working group (required by Measure 14-3) and other interested parties to review and comment on this plan.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to Fisheries and Oceans Canada and the Tłıchq Government, with support of the developer. As such, the GNWT is reporting under Measure 14-1, while the other regulators will, in their own report(s), report under Measure 14-2.</p> <p>a) INF continues to work with Fisheries and Oceans Canada (DFO), the Tłıchq Government, and WRRB to develop the Fisheries Management Plan. The Working Group meets monthly to discuss and review the progress of the Fisheries Management Plan. On June 16, 2021, a PowerPoint presentation was made on the Plan at the Corridor Working Group meeting. The Plan is currently undergoing final reviews by DFO Science after which it will be distributed to the CWG for comments. In addition to the Plan, other informational materials such as signage, brochure/pamphlet, and Angler diary are being developed to enhance the effectiveness of the FMP. The final Plan is expected to be submitted to the WRRB by December 31, 2021</p> <p>b) No change from the 2019-2020 response.</p>		<p>This measure is directed to Fisheries and Oceans Canada and the Tłıchq Government, with support of the developer. As such, the GNWT is reporting under Measure 14-1, while the other regulators will, in their own report(s), report under Measure 14-2.</p> <p>a) INF continues to work collaboratively with Fisheries and Oceans Canada (DFO), the Tłıchq Government, and the Wek'èezhì Renewal Resources Board (WRRB) to develop the Fisheries Management Plan (FMP). The Working Group meets monthly to discuss and review the progress of the FMP. The Working Group updated the Corridor Working Group at its June 13, 2022 meeting.</p> <p>On January 24, 2022, INF submitted the final FMP to the WRRB for their review and approval. On February 15, 2022, the WRRB approved the final Plan. In addition to the Plan, other informational materials such as signage, brochure/pamphlet, and an Angler diary are being developed to enhance and effectively disseminate the information in the FMP. Currently, the FMP Working Group is working with two companies to complete the design and production of the signage and pamphlet, and the Angler diary.</p> <p>b) No changes or updates since the 2019-2020 response.</p>

MEASURE		MEASURE SPECIFICS
Cultural well-being		
Measure 9-1	<p>Monitoring harvest and managing wildlife to maintain successful harvest</p> <p>Part 1 Aboriginal harvest monitoring and reporting program</p> <p>Part 2 Use monitoring to inform management</p>	<p><u>9-1, Part 1: Aboriginal harvest monitoring and reporting program</u> To mitigate impacts on Aboriginal harvesters and to effectively inform management of wildlife populations in the area of the Project, GNWT-ENR will work together with the Tłıchǰ Government and Wek'èezhì Renewable Resources Board to develop and implement a non-mandatory Aboriginal harvest monitoring and reporting program. The harvest monitoring and reporting program will: a) focus on boreal caribou, barren-ground caribou and moose population trends in areas accessed by winter roads and trails from the Project; b) be community-based and involve collaboration between Tłıchǰ Government and the developer; c) involve Traditional Knowledge holders and harvesters in monitoring wildlife harvesting trends; and, d) report on wildlife harvesting numbers and trends from monitoring checkpoints and/or other harvest monitoring methods annually to the Tłıchǰ Government, Wek'èezhì Renewable Resources Board, GNWT-ENR and other wildlife co-management partners.</p> <p>The developer will fund this harvest monitoring and reporting related to the project. The harvest monitoring will meet the requirements of Appendix C.</p> <p><u>9-1, Part 2: Use monitoring to inform management</u> GNWT-ENR, in collaboration with the Tłıchǰ Government and Wek'èezhì Renewable Resources Board, will consider wildlife management actions and mitigations based on the results of the monitoring above and the information collected by the GNWT's existing Resident Hunting Reporting Program, to help ensure sustainable Aboriginal harvesting of wildlife and report on monitoring results and management actions in the annual reviews of the Wildlife Management and Monitoring Plan.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed at the GNWT-ENR, WRRB and the Tłıchǰ Government, reporting under Measure 14-2</p> <p>a) With the support of the developer and ENR, the Tłıchǰ Government undertook the following activities:</p> <ul style="list-style-type: none"> January 2021 – Hired a Wildlife Monitoring Program Coordinator and established Elder/harvester committee to provide advice and oversight for harvest monitoring. February 2021 – Animal-track surveys and interviews for habitat report completed. Added two youth to the committee. April 2021 – Second committee meeting was held with Elders, harvesters, and youth. A baseline habitat report was completed. June 2021 – The committee toured the TASR project site with the P3 Operator to assess conditions of the habitat along the alignment. <p>The following activities are also ongoing and expected to be completed by November 2021:</p> <ul style="list-style-type: none"> Developing voluntary harvest reporting program. Completing current state of habitat report based on tracks, trails, Traditional Knowledge, and cameras. This would help identify changes after the road is open. Determining current harvesting levels for comparison after road is open. 		<p>This measure is directed at the GNWT-ENR, WRRB and the Tłıchǰ Government, reporting under Measure 14-2</p> <p>a) <u>9-1, Part 1: Aboriginal harvest monitoring and reporting program</u> The non-mandatory Aboriginal harvest monitoring and reporting program required by Measure 9-1 is being implemented by the Tłıchǰ Government. ENR is providing technical input and support to the Tłıchǰ Government as required. For example, ENR provides technical updates to the Tłıchǰ Monitoring Committee twice a year on all related wildlife monitoring activities led by ENR, shares technical reports, such as the harvest sustainability report, and administers the funding contribution agreement. The Department of INF provides funding related to the program.</p> <p><u>9-1, Part 2: Use monitoring to inform management</u> The information from the Aboriginal harvest monitoring and reporting program will provide information that will also support implementation of Measures 6-2, as well as inclusion of traditional knowledge as required by Measures 9-3 and 10-2. Future versions of the Wildlife Management and Monitoring Plans will be updated with any recommendations from the study.</p>

<ul style="list-style-type: none"> • Training wildlife monitors. • Establishing a checkpoint for harvest monitoring on the completed Tłıchǵ Highway. • Encouraging voluntary harvest reporting <p>b) No change from the 2018-2019 response.</p>	<p>b) The effectiveness of the actions taken to implement this measure cannot be assessed yet, as measure implementation is in the early stages.</p>
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MEASURE		MEASURE SPECIFICS	
Cultural well-being			
Measure 9-2	Cultural sensitivity in work camps and communities	To mitigate the Project's impact on Tłıchǵ culture and well-being of Tłıchǵ residents, the developer will require that the P3 operator has culturally appropriate and specific policies in accordance with those set out by the Tłıchǵ Government, GNWT departments and federal government. The P3 operator will have policies and programs in place for employee cultural orientation, approved by the Tłıchǵ Government, for all non-Tłıchǵ workers, including awareness of special cultural norms and practices.	
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE			
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS	
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) No change from the 2019-2020 response.</p> <p>b) The actions taken to implement this measure appeared to have been effective. At the time of this report, no incidences of cultural insensitivity, cultural discrimination, have been reported since commencement of construction activities on September 2, 2019. There is a growing interest among external workforce to learn about the Tłıchǵ culture. There is mutual respect among workers with different cultural backgrounds.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) No change from the 2020-2021 response.</p> <p>b) The actions taken to implement this measure appeared to have been effective. At the time of this report, no incidences of cultural insensitivity, cultural discrimination, have been reported since commencement of construction activities on September 2, 2019. There is a growing interest among external workforce to learn about the Tłıchǵ culture. There is mutual respect among workers with different cultural backgrounds.</p>	

MEASURE		MEASURE SPECIFICS
Cultural well-being		
Measure 9-3	Include Traditional Knowledge from all relevant groups	To mitigate impacts from the Project to culture and harvesting, the developer will incorporate Traditional Knowledge into the Project design and management from all Aboriginal groups that traditionally use the area. The developer will: a) support the collection of Traditional Knowledge related to traditional use, and compile it with information already acquired; b) thoroughly consider any Traditional Knowledge that is made available, and, where applicable, incorporate Traditional Knowledge into Project design, mitigations, monitoring and adaptive management; and, c) do this in a culturally-appropriate way that respects applicable Traditional Knowledge policies and protocols. The GNWT-ENR and Wek'èezhì Land and Water Board will consider these findings in the Wildlife Management and Monitoring Plan and in permitting.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed primarily to the developer, but requires GNWT-ENR to consider the findings in the Wildlife Management and Monitoring Plan (WMMP) and in permitting. As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) Traditional Knowledge was incorporated into policies and training materials to ensure cultural awareness and sensitivity onsite and within the community as reported under Measure 9-2 for the 2020-2021 reporting period.</p> <p>INF continues to use the Traditional Knowledge incorporated into the WMMP, Project design, mitigation measures, and monitoring during construction.</p> <p>b) No change from the 2019-2020 response.</p> <p>Reporting under Measure 14-2</p> <p>a) ENR has not received or been made aware of any new Traditional Knowledge reports or findings during the reporting period that could have been incorporated into of the TASR WMMP, which was last circulated for public review on September 15, 2020 (v.4.0), and approved on March 1, 2020 (v.4.2). The next public review of the TASR WMMP should take place in September 2021.</p> <p>b) Not applicable as this measure is primarily directed to the developer.</p>		<p>This measure is directed primarily to the developer, but requires GNWT-ENR to consider the findings in the Wildlife Management and Monitoring Plan (WMMP) and in permitting. As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) Traditional Knowledge was incorporated into policies and training materials to ensure cultural awareness and sensitivity during construction both onsite and within the community. INF continues to use the existing Traditional Knowledge incorporated into the Wildlife Management and Monitoring Plan (WMMP), Project design, mitigation measures, and monitoring during construction and operations. INF also continues to solicit for Traditional Knowledge input from the community during TASR Corridor Working Group Meetings.</p> <p>b) No change from the 2019-2020 response.</p> <p>Reporting under Measure 14-2</p> <p>a) ENR has not received or been made aware of any new Traditional Knowledge reports or findings during the reporting period that could have been incorporated into of the TASR WMMP, which was last circulated for public review in September, 2021. The WLWB approved version 5.2 on February 09, 2022, while ENR approved the same version on March 21, 2022.</p> <p>b) Not applicable as this measure is primarily directed to the developer.</p>

MEASURE		MEASURE SPECIFICS
Species at risk and wildlife, other than caribou		
Measure 10-1	Bird species at risk and migratory bird data, mitigation, monitoring and adaptive management Part 1 Pre-construction bird surveys Part 2 Mitigation Part 3 Monitoring and reporting Part 4 Adaptive management	<p><u>10-1, Part 1: Pre-construction bird surveys</u> The developer will conduct pre-construction field surveys of bird species at risk and migratory birds prior to disturbing potential habitat, including any clearing of the right-of way, quarry sites, camps, access routes, or other project infrastructure. The developer will consult with Environment and Climate Change Canada (ECCC) and GNWT-ENR about methods and timing for a field survey(s). The developer will conduct the survey using methods derived from peer-reviewed scientific literature and best practices.</p> <p><u>10-1, Part 2: Mitigation</u> The developer will use the results from surveys in 10-1 Part 1 to inform mitigations. The mitigations will help protect bird species at risk and migratory birds and ensure habitats and nesting sites are protected. For all project-related infrastructure and activities during the construction and operations phase, the developer will: a) use the information from the survey(s) to inform and adjust proposed mitigations; b) implement mitigations as described in its commitments table and its Wildlife Management and Monitoring Plan; c) implement additional mitigations to eliminate or reduce impacts, if warranted based on surveys; d) halt all disruptive activities, in consultation with ECCC, in an area if nests or young are discovered; and e) determine and implement, in consultation with ECCC and GNWT-ENR, appropriate species-specific buffer zones or setbacks, until the young have naturally and permanently left the vicinity of the nest taking into consideration the intensity of the disturbance and the surrounding habitat.</p> <p><u>10-1, Part 3: Monitoring and reporting</u> The developer will: a) implement monitoring in section 5 and Appendix C of the Wildlife Management and Monitoring Plan and Chapter 14 of this report; b) monitor nests using non-intrusive search methods at quarry sites immediately prior to commencing any disruptive activities during the nesting period; and c) report weekly and annually as described in section 6 of the Wildlife Management and Monitoring Plan, including findings of baseline surveys in 10-1 Part 1. Monitoring will meet the requirements of Appendix C.</p> <p><u>10-1, Part 4: Adaptive management</u> The developer will implement adaptive management as described in section 6 of the Wildlife Management and Monitoring Plan and following guidance in Appendix B of this report.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, but requires the developer to consult with ECCC and GNWT-ENR. As such, it is being reported on by GNWT under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1 a) 10-1, Part 1: Pre-construction bird surveys: No change from the 2019-2020 response.</p> <p>10-1, Part 2: Mitigation: No change from the 2019-2020 response. No active bird nests were encountered during this reporting period.</p> <p>10-1, Part 3: Monitoring and reporting: No change from the 2019-2020 response. No active bird nests were encountered during this reporting period.</p> <p>10-1, Part 4: Adaptive management: No change from the 2019-2020 response.</p> <p>b) No change from the 2019-2020 response.</p> <p>Reporting under Measure 14-2 a) ENR was not consulted on appropriate species-specific buffer zones or setbacks for bird species at risk and migratory birds. As to ENR's knowledge, no active bird nests were encountered or reported by the developer during the reporting period.</p> <p>b) Not applicable as this measure is primarily directed to the developer.</p>		<p>This measure is directed to the developer, but requires the developer to consult with ECCC and GNWT-ENR. As such, it is being reported on by GNWT under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1 a) 10-1, Part 1: Pre-construction bird surveys: No change from the 2019-2020 response.</p> <p>10-1, Part 2: Mitigation: No change from the 2019-2020 response. No active bird nests were encountered during this reporting period</p> <p>10-1, Part 3: Monitoring and reporting: No change from the 2019-2020 response. No active bird nests were encountered during this reporting period</p> <p>10-1, Part 4: Adaptive management: No change from the 2019-2020 response. Mitigation measures put in place appear to be working effectively.</p> <p>b) No change from the 2019-2020 response.</p> <p>Reporting under Measure 14-2 a) ENR was not consulted on appropriate species-specific buffer zones or setbacks for bird species at risk and migratory birds. As to ENR's knowledge, no active bird nests were encountered or reported by the developer during the reporting period.</p> <p>b) Not applicable as this measure is primarily directed to the developer.</p>

MEASURE		MEASURE SPECIFICS
Species at risk and wildlife, other than caribou		
Measure 10-2	Wildlife Management and Monitoring Plan approval, annual review and reporting Part 1 WMMP update prior to permitting Part 2 WMMP update during permitting Part 3 Annual review of the WMMP during construction and operations.	<p><u>10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting</u> The developer will update its Wildlife Management and Monitoring Plan prior to permitting to include the developer's commitments and Review Board's measures from this <i>Report of Environmental Assessment</i>.</p> <p>Prior to permitting, the developer will, where appropriate, include Traditional Knowledge from all Aboriginal groups that harvest in the area on ways to mitigate, monitor and adaptively manage impacts from the Project to wildlife.</p> <p><u>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting</u> During permitting, the developer will involve Environment and Climate Change Canada, GNWT-ENR, Wek'èezhì Renewable Resources Board, Tłı̨chǫ Government and Aboriginal groups that harvest in the area, in developing an updated Wildlife Management and Monitoring Plan. Monitoring will meet the requirements of Appendix C.</p> <p>When updating the Wildlife Management and Monitoring Plan, the developer will, where appropriate, include Traditional Knowledge from all Aboriginal groups that harvest in the area on ways to mitigate, monitor, and adaptively manage impacts from the Project to wildlife. The Wildlife Management and Monitoring Plan will be updated based on the results of available surveys and monitoring, such as caribou, bird (Measure 10-1), and moose surveys.</p> <p>The Wildlife Management and Monitoring Plan will require that construction activities, including clearing, consider sensitive wildlife periods, for example nesting periods of migratory birds.</p> <p><u>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations</u> GNWT-ENR will require annual public review of the Wildlife Management and Monitoring Plan and make publicly viewable:</p> <ul style="list-style-type: none"> • recommendations from parties; • responses on how recommendations were incorporated; and, • reasons for recommendations which were not incorporated.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed primarily to the developer, but requires GNWT-ENR involvement. As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1 a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: This portion of the measure was completed in the 2018-2019 reporting period and remains the same.</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: This portion of the measure was completed in the 2018-2019 reporting period and remains the same.</p> <p>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: Version 4.0 of the TASR WMMP was circulated for public review in September 2020, and version 4.2 of the TASR WMMP was approved by ENR on March 01, 2021. The next public review will take place in September 2021.</p> <p>b) No change from the 2019-2020 response.</p> <p>Reporting under Measure 14-2 a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: This portion of the measure is reported on through Measure 14-1 (see above).</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: This portion of the measure is reported on through Measure 14-1 (see above).</p> <p>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: This portion of the measure is reported on through Measure 14-1 (see above).</p> <p>b) The first annual review of the TASR WMMP was successfully completed in fall 2020, and the most recent version (4.2) of the WMMP was approved in March 2021. The annual review process was effective in incorporating new information into the plan and allowing different parties to recommend changes to the plan or to identify areas where implementation of the plan may have been deficient. During the first annual review, comments were submitted by Environment and Climate Change Canada, the</p>		<p>This measure is directed primarily to the developer, but requires GNWT-ENR involvement. As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1 a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: This portion of the measure was completed in the last reporting period and remains the same.</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: This portion of the measure was completed in the last reporting period and remains the same.</p> <p>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: Version 5.0 of the TASR Wildlife Management and Monitoring Plan (WMMP) was circulated for public review in September 2021. Version 5.2 of the TASR WMMP was approved by the WLWB on February 9, 2022, while ENR approved the same Version on March 21, 2022.</p> <p>b) No change from the 2019-2020 response.</p> <p>Reporting under Measure 14-2 a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: This portion of the measures has been completed and there is no change to the previous reporting.</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: This portion of the measure has been completed and there is no change to the previous reporting.</p> <p>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: In September 2021, INF submitted version 5.0 of the TASR WMMP to the Wek'èezhì Land and Water Board (WLWB). A 30-day public review period was undertaken, with submissions made to the WLWB's Online Review System (ORS) by Environment and Climate Change Canada, the North Slave Métis Alliance, and the Wek'èezhì Renewable Resources Board (WRRB). In consultation with ENR staff, INF developed responses to comments received, revised the WMMP to</p>

Tłıchǫ Government, the Wek'èezhì Land and Water Board and the Wek'èezhì Renewable Resource Board.

address the comments and, on November 12, 2021, submitted Version 5.1 of the TASR WMMP to the WRRB as a management proposal under Section 12.5.1 of the Tłıchǫ Agreement. In a letter to INF on December 09, 2021, the WRRB indicated its approval of Version 5.1 of the TASR WMMP as submitted. On January 28, 2022, INF submitted Version 5.2 of the TASR WMMP to ENR and the WLWB. INF updated Version 5.2 with minor administrative changes. The WLWB approved Version 5.2 of the TASR WMMP on February 09, 2022 [while ENR approved the same version](#) on March 21, 2022.

Construction of the TASR was completed in November of 2021. A comprehensive WMMP report providing a summary and analysis of the wildlife mitigation and monitoring programs undertaken during the pre-construction and construction phase is required to be submitted to ENR by March 31, 2023.

- b) The annual review process was effective in incorporating new information into the plan and allowing different parties to recommend changes to the plan or to identify areas where implementation of the plan may have been deficient.

MEASURE		MEASURE SPECIFICS
Permafrost		
Measure 11-1	Permafrost Management Plan	<p>To minimize permafrost degradation and prevent associated significant adverse impacts on the environment from the Project during construction and operation of the Project, the developer will develop and implement a permafrost management plan for construction and maintenance of the Project. The plan will be submitted for review and approval to the Wek'èezhì Land and Water Board prior to construction.</p> <p>This plan will include monitoring (following the requirements in Appendix C) and adaptive management (following the requirements in Appendix B). It will incorporate the recommendations made by Natural Resources Canada during the environmental assessment process as well as recommendations from the working group (Measure 14-3).</p> <p>The developer will incorporate any relevant information from the permafrost management plan into ongoing monitoring and adaptive management during Project operations.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) No change from the 2019-2020 response.</p> <p>b) No change from the 2019-2020 response.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) No action was taken during the reporting period. Infrastructure is currently examining the operation of the existing thermistors, as there was damage to some of these units during the construction of the highway, and some units were placed off the highway final right-of way based on the original conceptual highway alignment.</p> <p>b) No change from the 2019-2020 response</p>

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-1	Annual reporting from the developer	<p>To demonstrate how measures are being implemented and to evaluate the effectiveness of the developer's efforts to prevent or minimize impacts on the environment, the developer will, throughout all phases of the development, prepare an annual report on the implementation of measures. The report will address the measures that the developer is responsible for and will:</p> <p>a) describe the actions, including actions implemented through adaptive management, being undertaken to implement the measures; and, b) evaluate how effective the implementation actions are in reducing or avoiding the impact (considering the results of monitoring programs and adaptive management frameworks). Where applicable, provide references to further information contained in other management plans or monitoring reports.</p> <p>The developer will provide its annual report to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>The reporting requirement from the developer falls under the Environmental Assessment (EA) Measure 14-1, which comprises of the following EA Measures:</p> <ol style="list-style-type: none"> 1. Measure 5-1 2. Measure 5-2 3. Measure 5-3 4. Measure 5-4 5. Measure 5-5 6. Measure 5-7 7. Measure 6-3 8. Measure 7-1 9. Measure 8-1 10. Measure 9-2 11. Measure 9-3 12. Measure 10-1 13. Measure 10-2 14. Measure 11-1 15. Measure 14-1 16. Measure 14-3 17. Measure 14-4 		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>The reporting requirement from the developer falls under the Environmental Assessment (EA) Measure 14-1, which comprises of the following EA Measures:</p> <ol style="list-style-type: none"> 1. Measure 5-1 2. Measure 5-2 3. Measure 5-3 4. Measure 5-4 5. Measure 5-5 6. Measure 5-7 7. Measure 6-3 8. Measure 7-1 9. Measure 8-1 10. Measure 9-2 11. Measure 9-3 12. Measure 10-1 13. Measure 10-2 14. Measure 11-1 15. Measure 14-1 16. Measure 14-3 17. Measure 14-4

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-2	Annual reporting from government and regulatory authorities	<p>To help evaluate the effectiveness of mitigation measures for the protection of the environment, each regulatory authority or government that is wholly or partly responsible for implementation of any measure in this <i>Report of Environmental Assessment</i> will prepare an annual report on implementation of measures. The report will:</p> <p>a) describe the actions being undertaken to implement the measures or the part(s) of the measures for which the regulatory authority or government is responsible; and, b) explain how these actions, including those implemented through adaptive management, fulfill the intent of the EA measures, including consideration of the following questions:</p> <p>i. How are implementation actions addressing a likely significant adverse impact on the environment? ii. How effective are implementation actions at reducing or avoiding the impact or its likelihood?</p> <p>Government and regulators are only responsible for reporting on the implementation actions they take, not actions taken by the developer. For example, if a regulator does not issue an authorization, provide direction to the developer, approve a management plan, or take other actions that relate to an EA measure(s) in a given year, the regulator will not need to submit a report for that year.</p> <p>The governments and regulators will provide their annual reports to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the regulatory authorities and/or governments, including the GNWT, reporting under Measure 14-2</p> <p>The following Measures fall under the reporting requirements of Measure 14-2 for the Government and Regulatory Authorities:</p> <ol style="list-style-type: none"> 1. Measure 5-2 2. Measure 5-6 3. Measure 6-1 4. Measure 6-2 5. Measure 6-3 6. Measure 7-2 7. Measure 8-1 8. Measure 9-1 9. Measure 9-3 10. Measure 10-1 11. Measure 10-2 12. Measure 14-2 		<p>This measure is directed to the regulatory authorities and/or governments, including the GNWT, reporting under Measure 14-2</p> <p>The following Measures fall under the reporting requirements of Measure 14-2 for the Government and Regulatory Authorities:</p> <ol style="list-style-type: none"> 1. Measure 5-2 2. Measure 5-6 3. Measure 6-1 4. Measure 6-2 5. Measure 6-3 6. Measure 7-2 7. Measure 8-1 8. Measure 9-1 9. Measure 9-3 10. Measure 10-1 11. Measure 10-2 12. Measure 14-2

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-3	Project working group	<p>The developer will establish the Tłıchǰ All-Season Road Corridor Working Group by:</p> <ul style="list-style-type: none"> • funding the Tłıchǰ Government, Wek'èezhì Renewable Resources Board, Yellowknives Dene First Nation and North Slave Métis Alliance to participate in twice annual working group meetings, one of which will annually take place in Whatì; • requiring the participation of the P3 operator; and, • inviting Tłıchǰ Elders to participate. <p>The developer will make meeting minutes publicly available. The developer will maintain the working group throughout the Project construction phase and for five years of Project operations, unless an extended term is agreed to by parties.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The Tłıchǰ All-Season Road Corridor Working Group was formed in May 2019. It is made up of representatives from the following interested parties:</p> <ul style="list-style-type: none"> • The Tłıchǰ Government • Yellowknives Dene First Nations • North Slave Métis Alliance • Prince of Wales Northern Heritage Centre • Community Government of Whatì • Community Government of Behchokǰ • Wek'èezhì Renewable Resources Board • Wek'èezhì Land and Water Board • Environmental and Natural Resources • Department of Lands • Department of Infrastructure • Department of Finance • Fisheries and Oceans Canada • Environment and Climate Change Canada • North Star Infrastructure • Associated Engineering <p>Due to COVID-19 restrictions, the Corridor Working Group held virtual meetings on December 1, 2020 and June 16, 2021, respectively. The final meeting minutes for December 1, 2020 can be found here while the minutes for the June 16, 2021 meeting are currently being finalized. The next meeting is schedule for the second week of December 2021.</p> <p>b) No change from the 2019-2020 response.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The Tłıchǰ All-Season Road Corridor Working Group (CWG) was formed in May 2019. It is made up of representatives from the following interested parties:</p> <ul style="list-style-type: none"> • The Tłıchǰ Government • Yellowknives Dene First Nations • North Slave Métis Alliance • Prince of Wales Northern Heritage Centre • Community Government of Whatì • Community Government of Behchokǰ • Wek'èezhì Renewable Resources Board • Wek'èezhì Land and Water Board • Environmental and Natural Resources • Department of Lands • Department of Infrastructure • Department of Finance • Fisheries and Oceans Canada • Environment and Climate Change Canada • North Star Infrastructure • Mackenzie Valley Environmental Impact Review Board (New addition) <p>At their request, the Mackenzie Valley Environmental Impact Review Board has been added to the list of interested parties for subsequent meetings.</p> <p>The CWG met on June 16, 2021, and on December 15, 2021, respectively. The final meeting minutes are yet to be uploaded onto the WLWB's public registry. Another meeting was held on June 13, 2022, and the second meeting for 2022 is scheduled for December 7, 2022. INF is currently taking steps to upload all previous meeting minutes to its website as well. In response to issues arising from the June 13, 2022, meeting, INF intends to amend and update the CWG Terms of Reference to address the issues.</p> <p>a) No change from the 2019-2020 response.</p>

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-4	P3 operator agreement	To ensure that all applicable and relevant commitments of the developer and measures directed at the developer are carried out during the construction and operation phases of the Project, the developer will formalize and include these commitments and measures in its final contract with the P3 operator.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2020-2021 DETAIL ON MEASURE PROGRESS		2021-2022 DETAIL ON MEASURE PROGRESS
This measure is directed to the developer, reporting under Measure 14-1 The reporting details for Measure 14-4 remain identical to last year's report.		This measure is directed to the developer, reporting under Measure 14-1 The reporting details for Measure 14-4 remain identical to last year's report.

<u>Various Acronyms:</u> Developer = GNWT-INF with NSI (P3 Contractor) where applicable GNWT = Regulatory Authority/Responsible Minister DFO = Fisheries and Oceans Canada ECCC = Environment and Climate Change Canada ENR = GNWT – Environment and Natural Resources INF = GNWT – Infrastructure TCSA = Tłchq Community Services Agency NBAC = National Burn Area Composite CNFDB = Canadian National Fire Database	REA = Report of Environmental Assessment TK = traditional knowledge WLWB = Wek'èezhì Land and Water Board WMMP = Wildlife Management and Monitoring Plan GNWT = Government of Northwest Territories MACA = Municipal and Community Affairs HSS = Health and Social Services CGW = Community Government of Whatì TIC = Tłchq Investment Corporation	AE = Associated Engineering YKDFN = Yellowknives Dene First Nation TG = Tłcho Government NSMA = North Slave Métis Alliance TASR = Tłchq All-Season Road GAHR = Ground Ambulance Highway Rescue WRRB = Wek'èezhì Renewal Resources Board CGB = Community Government of Behchokò CIMP = Cumulative Impact Monitoring Program
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Government of the Northwest Territories'

**Tłıchq Highway (Tłıchq All-Season Road Project)
2022 Annual Environmental Assessment Measures
Report**

(as required by Measures 14-1 and 14-2)

EA1617-01

SUBMITTED TO

Mackenzie Valley Environmental Impact Review Board

200 Scotia Centre, P.O. Box 938

YELLOWKNIFE, NT X1A 2N7

August 8, 2022



August 8, 2023

BY EMAIL

Mark Cliffe-Phillips
Executive Director
Mackenzie Valley Environmental Impact Review Board
200 Scotia Centre
PO BOX 938
YELLOWKNIFE NT X1A 2N7

Dear Mark Cliffe-Phillips:

Government of the Northwest Territories' 2022 annual environmental assessment measures report for the Tłıchǵ All-season Road Project (EA1617-01, Measures 14-1 and 14-2)

On behalf of the Government of the Northwest Territories (GNWT), we are pleased to provide the GNWT's 2022 annual environmental assessment measures report (the Annual Report) for the Tłıchǵ All-season Road Project, now referred to as the Tłıchǵ Highway. The Annual Report describes the implementation of measures directed to the developer (Measure 14-1) and to the GNWT (Measure 14-2), as required by EA1617-01. Where the measures are directed to the developer, the Department of Infrastructure (INF) has provided the response; where the measures are directed to the GNWT or specific departments within the GNWT, departments with mandates related to the measure have provided the response.

The Annual Report lists all measures as included in the recommendation adopted by the responsible ministers and Tłıchǵ Government and summarizes GNWT actions to date, along with links to relevant documents. Suggestions from EA1617-01 directed to the developer or the GNWT are being considered as appropriate and are not captured in the Annual Report.

The 2022 Annual Report is being submitted earlier than previous years, for internal efficiency, to align with the Project's Annual Water Licence Report (W2020L8-0001) submitted to the Wek'èezhì Land and Water Board. The Tłıchǵ Government was supportive of this date change.

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The reporting period is shorter than last year and covers activities between August 1, 2022 and April 30, 2023. The GNWT shared the attached submission with the Tłıchǫ Government staff and has not received any comments.

Should the Mackenzie Valley Environmental Impact Review Board or any parties have any questions, please contact Alison Heslep, Project Assessment Branch manager, by email at Alison_Heslep@gov.nt.ca or (867) 767-9180 Ext. 24021, or Benjamin Bey, Environmental Analyst, by email at Benjamin_Bey@gov.nt.ca or by phone at (867) 767-9083 Ext. 31058.

Sincerely,



Alison Heslep
Acting Director
Impact Assessment and Security Management
Environment and Climate Change



Ziaur Rahman
Manager
Surface Design and Construction
Infrastructure

Attachment

- GNWT 2022 Annual Environmental Assessment Measures Report for the Tłıchǫ All-season Road Project.

Tłıchǫ All-Season Road: GNWT Annual Environmental Assessment Measures Report

This tabular report summarizes the Government of the Northwest Territories' (GNWT) 2022-2023 performance on twenty-three Tłıchǫ All-Season Road (TASR, the Project) environmental assessment measures (EA1617-01). Reporting is made on behalf of the GNWT, both as the developer (Measure 14-1) and as Government and Regulatory Authorities (Measure 14-2). For reference, the reporting period spans from August 1, 2022 to April 30, 2023.

The measures that stipulated annual reporting be provided to the Mackenzie Valley Environmental Impact Review Board (the Review Board) are as follows:

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-1	Annual reporting from the developer	<p>To demonstrate how measures are being implemented and to evaluate the effectiveness of the developer's efforts to prevent or minimize impacts on the environment, the developer will, throughout all phases of the development, prepare an annual report on the implementation of measures. The report will address the measures that the developer is responsible for and will:</p> <p>a) describe the actions, including actions implemented through adaptive management, being undertaken to implement the measures; and, b) evaluate how effective the implementation actions are in reducing or avoiding the impact (considering the results of monitoring programs and adaptive management frameworks). Where applicable, provide references to further information contained in other management plans or monitoring reports.</p> <p>The developer will provide its annual report to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>
Measure 14-2	Annual reporting from government and regulatory authorities	<p>To help evaluate the effectiveness of mitigation measures for the protection of the environment, each regulatory authority or government that is wholly or partly responsible for implementation of any measure in this <i>Report of Environmental Assessment</i> will prepare an annual report on implementation of measures. The report will:</p> <p>a) describe the actions being undertaken to implement the measures or the part(s) of the measures for which the regulatory authority or government is responsible; and, b) explain how these actions, including those implemented through adaptive management, fulfill the intent of the EA measures, including consideration of the following questions:</p> <p style="padding-left: 20px;">i. How are implementation actions addressing a likely significant adverse impact on the environment? ii. How effective are implementation actions at reducing or avoiding the impact or its likelihood?</p> <p>Government and regulators are only responsible for reporting on the implementation actions they take, not actions taken by the developer. For example, if a regulator does not issue an authorization, provide direction to the developer, approve a management plan, or take other actions that relate to an EA measure(s) in a given year, the regulator will not need to submit a report for that year.</p> <p>The governments and regulators will provide their annual reports to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>

DESCRIPTION OF HOW MEASURES ARE BEING SATISFIED AND UNDER WHICH MEASURE (14-1 OR 14-2) THE REPORT IS BEING MADE

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-1	<p>Developer's support of monitoring and adaptive management of adverse health and well-being impacts</p> <p>Part 1 Monitor adverse health and well-being impacts to the Community of Whatì</p> <p>Part 2 Reporting</p> <p>Part 3 Adaptive management and re-evaluation</p>	<p><u>5-1. Part 1: Monitoring adverse health and well-being impacts to the Community of Whatì</u> To inform mitigation of significant cumulative and project-specific adverse impacts on the health and well-being of the Community of Whatì, the developer will support the Tłıchǝ Government and Community Government of Whatì in the monitoring and evaluation of direct and indirect impacts of the Project on the health and well-being of the Community of Whatì. These will include:</p> <ul style="list-style-type: none"> the anticipated initial spike in harmful behaviours associated with increased access to drugs and alcohol; traffic accidents on the road; change in safety of young women and other vulnerable groups; and, change in harvest success rates and availability of country foods in Whatì. <p>Monitoring will meet the requirements of Appendix C.</p> <p><u>5-1. Part 2: Reporting</u> The developer will support the Tłıchǝ Government and Community Government of Whatì in preparing an annual progress report on their efforts to mitigate impacts on health and well-being to the Community of Whatì.</p> <p><u>5-1 Part 3: Adaptive management and re-evaluation</u> The developer, in collaboration with the Tłıchǝ Government and Community Government of Whatì, will support the adaptive management of health and well-being impacts, following guidance in Appendix B.</p> <p>The developer will support the Tłıchǝ Government and Community Government of Whatì, in the monitoring, engagement, reporting and adaptive management described in this measure for each year of construction and for a minimum of ten years of Project operations.</p>

DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE

2021-2022 DETAIL ON MEASURE PROGRESS	2022-2023 DETAIL ON MEASURE PROGRESS
<p>This Measure is directed to the developer, reporting under Measure 14-1</p> <p>a) 5-1 Part 1: Monitoring adverse health and well-being impacts to Whatì: The developer continues to provide funding for a position within the Government of the Northwest Territories (GNWT) for the development of a monitoring and adaptive management framework associated with the road. This funding continues until 2024. The developer is working with GNWT-Health and Social Services (HSS) to improve support for implementation, including long-term planning and financial contributions. The developer is working to provide long-term support for the Tłıchǝ Government (TG), the Community Government of Whatì (CGW) and the Community Government of Behchokǝ (CGB), and the Tłıchǝ Community Services Authority (TCSA) alongside the GNWT-HSS.</p> <p>5-1 Parts 2 and 3: Reporting and adaptive management: The developer is working to provide long-term support for the TG, the CGW and CGB, and the TCSA alongside the GNWT-HSS for reporting. The developer will include social and health issues in the Corridor Working Group Discussions in addition to the existing health and well-being working group that implements Measures 5-1 and 5-2.</p> <p>b) As the road has been open for one year, it is still too early to properly assess effectiveness of the actions already taken. However, preliminary concerns from the community may require immediate actions to ensure that mitigation measures are implemented to address these concerns related to the opening of the road. The developer and GNWT-HSS have identified areas that need improvement and have received feedback from the working group about the need for adequate plans to implement the program for the period outlined in the Measure.</p>	<p>This Measure is directed to the developer, reporting under Measure 14-1</p> <p>a) 5-1 Part 1: Monitoring adverse health and well-being impacts to Whatì: The developer continues to provide funding for a position within the Government of the Northwest Territories (GNWT) for the development of a monitoring and adaptive management framework associated with the road. This funding continues until March 31, 2024.</p> <p>The developer is working with GNWT-Health and Social Services (HSS) to improve support for implementation, including long-term planning and financial contributions. The developer is working to provide long-term support for the Tłıchǝ Government (TG), the Community Government of Whatì (CGW) and the Community Government of Behchokǝ (CGB), and the Tłıchǝ Community Services Authority (TCSA) alongside the GNWT-HSS.</p> <p>5-1 Parts 2 and 3: Reporting and adaptive management: The developer has committed to financial support for the TG, the CGW and CGB, and the TCSA alongside the GNWT-HSS for reporting up until 2024/2025. The developer will include social and health issues in the Corridor Working Group Discussions in addition to the existing health and well-being working group that implements Measures 5-1 and 5-2.</p> <p>The Tłıchǝ Highway Health and Well-Being Progress Report is a collaboration between multiple agencies to develop, monitor and collect important health and well-being indicators has been prepared and finalized with the Tłıchǝ Highway Socio-Economic Working group. This report focuses on trends of the indicators of well-being and will be used to adaptively manage negative trends.</p> <p>b) Preliminary concerns from the community may require immediate actions to ensure that mitigation measures are implemented to address these concerns related to the opening of the road. The developer and GNWT-HSS have identified areas that need improvement and have received feedback from the working group about the need for adequate plans to implement the program for the period outlined in the Measure.</p>

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-2	<p>Tłchq monitoring, engagement and reporting of adverse health and well-being impacts</p> <p>Part 1 Tłchq monitoring of adverse health and well-being impacts</p> <p>Part 2 Public engagement</p> <p>Part 3 Reporting</p>	<p><u>5-2, Part 1: Tłchq monitoring of adverse health and well-being impacts</u> The Tłchq Government, Government of the Northwest Territories, Tłchq Community Services Agency and Community Government of Whatì, with the support of the developer, will establish and implement a framework to monitor and evaluate health and well-being impacts associated with the road, and will adaptively manage health and well-being impacts as described in Measure 5-1 and following guidance in Appendices B and C, for each year of construction and for a minimum of ten years of operations. Following ten years of Project operations, the Community Government of Whatì, Government of the Northwest Territories, Tłchq Community Services Agency and Tłchq Government in collaboration with the developer, will re-evaluate the need for, and frequency of, monitoring, engagement, reporting and adaptive management. If the monitoring of harvest success rates and availability of country foods in Whatì (in Measure 5-1, Part 1, above) indicates a declining trend in harvest success and the consumption of country foods, the Tłchq Government and the Community Government of Whatì will develop and implement a strategy to address the decline in the availability of country foods for those most affected.</p> <p><u>5-2, Part 2: Public engagement</u> The Tłchq Government, Government of the Northwest Territories, Tłchq Community Services Agency and Community Government of Whatì, with the participation of the developer and the P3 operator, will meet with the residents of Whatì at least once per year to discuss: a) priority health and well-being impacts at the individual, family and community level related to the Project; b) the effectiveness of programs or mitigations used to address these impacts; and, c) the need to adjust programs or implement additional mitigations.</p> <p><u>5-2, Part 3: Reporting</u> The Tłchq Government, Government of the Northwest Territories, Tłchq Community Services Agency and Community Government of Whatì, with the support of the developer, will prepare and make publicly available an annual progress report on their efforts to mitigate impacts on health and well-being to the Community of Whatì. The report will describe engagement, current management and plans for future adaptive management. The findings of the report will be presented to the residents of Whatì, provided to the Whatì Inter-Agency Committee and provided to the Tłchq All-Season Road Corridor Working Group (see Measure 14-3).</p>

DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE

2021-2022 DETAIL ON MEASURE PROGRESS	2022-2023 DETAIL ON MEASURE PROGRESS
<p>This Measure is directed at the Tłchq Government, TCSA and whole of the GNWT (with support of the developer). As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) The developer funded one position in the GNWT-HSS to support the coordination of this work from late 2019 onwards. GNWT-HSS provided preliminary funds to support work on Measure 5-1 and 5-2 for the period of March 2021 through March 2023. The developer and GNWT-HSS are working together to identify a long-term plan for implementation funding to support the monitoring framework based on information provided from the Tłchq Government and the Community Government of Whatì and the Community Government of Behchokò.</p> <p>b) As the road nears one year of operations it is too early to determine with confidence the effectiveness of implementation. It is evident, however, that further work and immediate action is required to ensure that mitigations are implemented to address preliminary concerns related to the opening of the road.</p> <p>Reporting under Measure 14-2</p> <p>a) The Tłchq Government, Government of the Northwest Territories, Tłchq Community Services Agency (TCSA), Community Government of Whatì (CGW) and Community Government of Behchokò (CGB) have finalized a set of primary and secondary indicators to be used in monitoring and responding to health and well-being impacts associated with the road and are nearing the first year of monitoring road operations. The working group has completed two progress reports for the Tłchq leadership and public and are preparing for community engagement on the results of the first year of monitoring in late 2022. GNWT-HSS, TCSA and the Office of the Chief Public Health Officer are meeting in October 2022 to identify health related mitigative actions that will be implemented in 22-23 fiscal year based on initial changes identified through the monitoring program and qualitative reports from the community. GNWT-HSS will be working with the Tłchq Government and the Community Governments of Whatì and Behchokò to solidify the monitoring framework and support for adaptive management.</p> <p>b) It is early in project implementation; however preliminary findings are indicating that the initial spike in harmful behaviours and adverse effects that was predicted in the EA is occurring. The working group has been focused on: identifying the priority health and wellbeing indicators and effects; developing an action-focused adaptive management approach; and, most importantly, increasing the community engagement post-COVID lockdowns to receive community feedback on actions taken thus far. The working group will use this engagement to feed into the planning of adaptive management approaches to ensure that these are</p>	<p>This Measure is directed at the Tłchq Government, TCSA and whole of the GNWT (with support of the developer). As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) The developer funded one position in the GNWT-HSS to support the coordination of this work from late 2019 onwards. GNWT-HSS provided preliminary funds to support work on Measure 5-1 and 5-2 up until 2024/25; GNWT-HSS and the developer are working to solidify longer term funding to support the monitoring framework based on information provided from the Tłchq Government and the Community Government of Whatì and the Community Government of Behchokò.</p> <p>b) Currently, work is ongoing to identify trends in indicators being monitored for health and well-being. Implementing adaptive management strategies is the next step for the Tłchq Highway Socio-Economic Working Group to identify pathways to adaptive management for indicators that are determined to be trending negatively. It is currently too early to determine with confidence the effectiveness of implementation. It is evident, however, that further work and immediate action is required to ensure that mitigations are implemented to address preliminary concerns related to the opening of the road. One example of a mitigation that was identified to improve safety for people on the road was to provide satellite phones to TCSA workers, and Road Safety Kits and Trauma Kits to the Tłchq Government. This has been completed.</p> <p>Reporting under Measure 14-2</p> <p>a) The Tłchq Government, Government of the Northwest Territories, Tłchq Community Services Agency (TCSA), Community Government of Whatì (CGW) and Community Government of Behchokò (CGB) have finalized a set of primary and secondary indicators to be used in monitoring and responding to health and well-being impacts associated with the road and are nearing the second year of monitoring road operations. The working group has completed two progress reports for the Tłchq leadership and public and are preparing for community engagement on the results. GNWT-HSS, TCSA and the Office of the Chief Public Health Officer met in October 2022 to identify health related mitigative actions that were implemented in 22-23 fiscal year based on initial changes identified through the monitoring program and qualitative reports from the community. GNWT-HSS will be working with the Tłchq Government and the Community Governments of Whatì and Behchokò to improve the monitoring framework to best support adaptive management.</p>

<p>based on community priorities. With more time, the working group, led by GNWT and Tłchq Government will be able to assess the effectiveness of implementation with more confidence.</p>	<p>b) Preliminary findings indicated that the initial spike in harmful behaviours and adverse effects that was predicted in the EA occurred. Work is ongoing to help mitigate those impacts, and then monitor to see if the behaviours return to pre-road construction levels. The working group has been focused on: continuing to identify the priority health and well-being indicators and effects and developing an action-focused adaptive management approach. Increasing community engagement to receive community feedback on actions taken thus far remains a challenge but continues to be high priority. The community engagement will be used to feed into the planning of adaptive management approaches to ensure that these are based on community priorities. With more time, the working group, led by GNWT and Tłchq Government will be able to assess the effectiveness of implementation with more confidence.</p>
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MEASURE		MEASURE SPECIFICS	
Community well-being			
Measure 5-3	Safety of young women in relation to work camps	To mitigate the Project's impact on the physical and mental health and safety of women, the developer will require that the successful P3 operator has gender appropriate and gender-specific policies in place that promote a safe, respectful and inclusive environment for women at work and in communities near work camps. The developer will consult with the Tłchq Government and Community Government of Whatì in establishing core elements of these policies.	
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE			
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS	
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Hiring for the construction of the road has been ongoing to meet construction staffing demands. Women have been hired from the Tłchq communities. Senior Management from the P3 Operator (North Star Infrastructure), acting on behalf of the developer, continues to consult on a bi-weekly basis with the Tłchq Government Client Services Directors who represent the Tłchq Government's four communities. Initiatives to "improve opportunities for Women in the Trades Industry" are items on the bi-weekly agenda. During these discussions, any employee grievances, safety issues or incidents are supposed to be brought up and resolved.</p> <p>Gender-specific policies developed are still being applied and appear to be working effectively.</p> <p>No safety issues or concerns have been raised by any female employees since the implementation of the policies and during the bi-weekly meetings.</p> <p>b) The actions taken to reduce or avoid impacts on the physical and mental safety of women appear to have been successful as no issues have been raised so far.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) No women are currently employed as part of the Tłchq Highway Maintenance work force.</p> <p>b) Not applicable.</p>	

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-4	Employee awareness training and policies	<p>To promote a positive, safe and inclusive work environment, the developer will ensure that the P3 operator:</p> <ul style="list-style-type: none"> • establishes a workplace environment that prevents assault, harassment and racism; • has a zero-tolerance harassment policy for racial or sexual discrimination; and, • requires employees to take a training course designed to promote cultural and gender awareness. <p>The developer will develop appropriate training materials, in consultation with the Tłıchǫ Government and the Tłıchǫ Community Services Agency, that reflect the factors that increase risks of sexual assaults on Aboriginal women. The developer, the Tłıchǫ Government and the Tłıchǫ Community Services Agency will coordinate course delivery. The developer will fund the training course.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) No change from the 2020-2021 response.</p> <p>b) No incidents of racial or sexual discrimination, sexual assault or harassment were reported during the 2021-2022 reporting period nor have any incidents been reported since the commencement of construction on September 2, 2019.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) No change from the 2021-2022 response.</p> <p>b) No incidents of racial or sexual discrimination, sexual assault or harassment were reported during the 2022-2023 reporting period nor have any incidents been reported since the commencement of construction on September 2, 2019.</p>

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-5	Community engagement and grievance mechanisms	<p>The developer will hold public engagement sessions with the Communities of Whatì and Behchokò to discuss project-related community concerns.</p> <p>The developer will have a camp grievance mechanism and a community grievance mechanism that allow individuals and communities to raise concerns in a timely and open manner. These will be in place before the start of Project construction.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Due to COVID-19, in-person Community Engagement has been challenging during the 2021-2022 reporting period. The Tłıchǵ Government Client Services Directors have developed a process for outside companies to conduct Community Engagement. The engagement process is updated during the Tłıchǵ Government Client Service bi-weekly meetings. The developer followed all guidelines for the Tłıchǵ Government Community Engagement process.</p> <p>The developer designed a camp-grievance mechanism and a community-grievance mechanism. The camp-grievance mechanism was put in place prior to September 3, 2019, and is included as an element of the onsite orientation. The grievance policies were reviewed with the Tłıchǵ Government Client Service Department as and when necessary. The Tłıchǵ Government Client Services meets bi-weekly or as needed with the developer to review events, grievances, and policies.</p> <p>b) The implementation of the grievance mechanisms at the beginning of the project have proven to be successful, as demonstrated during the reporting period of 2019-2022. There were no grievances during the 2021-2022 reporting period but there is no indication of ineffectiveness in the grievance resolution mechanisms.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) Following completion of construction, and with no active and functional work camp, this requirement is no longer applicable.</p> <p>b) Not applicable.</p>

MEASURE		MEASURE SPECIFICS
Community well-being		
Measure 5-6	Include Behchokò in accident response planning	The Government of the Northwest Territories will develop and implement an effective ground ambulance and highway rescue action plan along the road that will be designed in collaboration with the Tłıchǫ Government (TG), Tłıchǫ Community Services Agency (TCSA), Community Government of Whatì, and Community Government of Behchokò.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the GNWT, reporting under Measure 14-2</p> <p>a) Current actions and progress on implementation of Measure 5-6, Ground Ambulance Highway Rescue (GAHR) Action Plan Project for the TASR:</p> <ul style="list-style-type: none"> The Department of Municipal and Community Affairs (MACA) has developed and provided an action plan for the establishment and delivery of GAHR services along the Tłıchǫ Highway, including the identification of local capacity challenges that currently exist. MACA's recommendation to the Tłıchǫ Government, Tłıchǫ Community Service Agency, Community Government of Whatì, and Community Government of Behchokò is to continue efforts to build local fire service capacity in attaining territorial safety requirements and industry best practices prior to considering GAHR service expansion. <p>b) Effectiveness of these actions towards meeting the intent of Measure 5-6, GAHR Action Plan Project for the TASR:</p> <ul style="list-style-type: none"> The decision on whether to expand local emergency services to include GAHR rests with community governments. MACA feels it has met the intent of Measure 5-6 and will continue to work closely with the communities of Whatì and Behchokò to strengthen their fire service, while supporting and guiding efforts as community capacity expands to include decisions on emergency services that consider GAHR. 		<p>This measure is directed to the GNWT, reporting under Measure 14-2</p> <p>a) No change - see previous year's comments.</p> <p>b) No change - see previous year's comments.</p>

MEASURE		MEASURE SPECIFICS																																																																																																																																																			
Community well-being																																																																																																																																																					
Measure 5-7	Prioritize Northern hiring	The developer will prioritize Northern hiring, and Tłchq citizen hiring in particular, in its contract with the P3 operator.																																																																																																																																																			
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE																																																																																																																																																					
2021-2022 DETAIL ON MEASURE PROGRESS			2022-2023 DETAIL ON MEASURE PROGRESS																																																																																																																																																		
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer has prioritized Northern hiring and ensures Northern employment opportunities are fulfilled by onsite management by reviewing and considering all resumes received from Northern applicants. To encourage Northern hiring during the COVID pandemic, the developer, in consultation with the Tłchq Community Services Agency developed and organized Virtual Training for the Tłchq community members. The purpose of this program was to provide community citizens an introduction to the construction industry. Furthermore, once selected for employment, training was provided in a hands-on manner to increase understanding. Assistance was provided to review and complete hire-on paperwork as needed. In addition to other initiatives identified, the Developer has identified and is utilizing Tłchq workers with strong communication skills to help communicate tasks to other Tłchq citizens with less advanced English language skills.</p> <p>b) The developer prioritized Northern hiring and was actively hiring Tłchq and Northern employees each month in the 2021-2022 reporting period. Positions were advertised on the Tłchq Government Facebook page. So far, the actions taken to ensure prioritizing Northern hiring have been effective as reflected in the increasing number of Tłchq workers being employed on the project. The table below shows a breakdown and percentage of Tłchq workers. Tłchq workers are made up of Tłchq residents plus Tłchq Investment Corporation (TIC) approved workers.</p> <p style="text-align: center;">Number and Percentage of Tłchq and Northern Workers between September 2021 and July 2022</p> <table border="1"> <thead> <tr> <th>Month of Year</th> <th>Total Workers on Project</th> <th>Tłchq Residents +TIC-Approved Workers</th> <th>% of Tłchq Residents +TIC-Approved Workers</th> <th>Northern Residents</th> <th>% of Northern Residents</th> </tr> </thead> <tbody> <tr><td>Sept - 2021</td><td>121</td><td>67</td><td>55%</td><td>8</td><td>7%</td></tr> <tr><td>Oct - 2021</td><td>95</td><td>52</td><td>55%</td><td>3</td><td>3%</td></tr> <tr><td>Nov - 2021</td><td>0</td><td>0</td><td>0%</td><td>0</td><td>0%</td></tr> <tr><td>Dec - 2021</td><td>7</td><td>7</td><td>100%</td><td>2</td><td>29%</td></tr> <tr><td>Jan - 2022</td><td>6</td><td>4</td><td>67%</td><td>2</td><td>33%</td></tr> <tr><td>Feb - 2022</td><td>7</td><td>6</td><td>86%</td><td>2</td><td>29%</td></tr> <tr><td>Mar - 2022</td><td>7</td><td>6</td><td>86%</td><td>2</td><td>29%</td></tr> <tr><td>April - 2022</td><td>7</td><td>6</td><td>86%</td><td>2</td><td>29%</td></tr> <tr><td>May - 2022</td><td>7</td><td>6</td><td>86%</td><td>2</td><td>29%</td></tr> <tr><td>June - 2022</td><td>7</td><td>6</td><td>86%</td><td>2</td><td>29%</td></tr> <tr><td>July - 2022</td><td>7</td><td>6</td><td>86%</td><td>2</td><td>29%</td></tr> </tbody> </table>			Month of Year	Total Workers on Project	Tłchq Residents +TIC-Approved Workers	% of Tłchq Residents +TIC-Approved Workers	Northern Residents	% of Northern Residents	Sept - 2021	121	67	55%	8	7%	Oct - 2021	95	52	55%	3	3%	Nov - 2021	0	0	0%	0	0%	Dec - 2021	7	7	100%	2	29%	Jan - 2022	6	4	67%	2	33%	Feb - 2022	7	6	86%	2	29%	Mar - 2022	7	6	86%	2	29%	April - 2022	7	6	86%	2	29%	May - 2022	7	6	86%	2	29%	June - 2022	7	6	86%	2	29%	July - 2022	7	6	86%	2	29%	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The developer has prioritized Northern hiring and ensures Northern employment opportunities are fulfilled by onsite management by reviewing and considering all resumes received from Northern applicants.</p> <p>b) The developer prioritized Northern hiring and actively hired Tłchq residents during the 2022-2023 reporting period. 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MEASURE		MEASURE SPECIFICS
Boreal caribou		
Measure 6-1	<p>Implementation of the Recovery Strategy for the Boreal Caribou in the NWT, and required range plans, for boreal caribou affected by the Project</p> <p>Part 1 Develop and implement range plans</p> <p>Part 2 Information and adaptive management requirements</p>	<p>6-1, Part 1: Develop and implement range plans</p> <p>The GNWT-ENR will develop and implement a range plan for boreal caribou (t̄dzı) in the North Slave portion of the NT1 range, as required by the Recovery Strategy for the Boreal Caribou in the NWT. The GNWT-ENR will also develop and implement a range plan for any other region where boreal caribou (t̄dzı) may experience impacts related to the Project.</p> <p>The range plan(s) will be developed collaboratively with Aboriginal groups and co-management partners. GNWT-ENR will complete and submit a range plan for the North Slave portion of the NT1 range to the Wek'èezhì Renewable Resources Board for review under section 12.5.1 of the T̄chq̄ Agreement a minimum of 90 days before the Project is opened for public use.</p> <p>The GNWT will work collaboratively with the T̄chq̄ Government, and other relevant Aboriginal and federal land management authorities to manage habitat to achieve the habitat disturbance threshold set out in this range plan to the greatest extent possible. The GNWT will consult with applicable Aboriginal groups as required.</p> <p>6-1, Part 2: Information and adaptive management requirements</p> <p>For the area identified by the range plan(s) in measure 6-1, part 1 the following must be included in the development and implementation of the Recovery Strategy for the Boreal Caribou in the NWT or range plan(s):</p> <ul style="list-style-type: none"> • monitoring to determine population trends, abundance and distribution; • determination of population thresholds and triggers to inform adaptive management; • harvest monitoring and reporting; • determining sustainable harvest levels; • identifying critical habitat; • ongoing habitat disturbance monitoring; • setting disturbance thresholds for critical habitat and, to the greatest extent possible, managing habitat towards meeting these disturbance thresholds for each range planning region; and, • monitoring predator populations including densities, movements and predation rates. <p>Monitoring will meet the requirements of Appendix C. GNWT-ENR will work with the developer to adaptively manage Project impacts on boreal caribou (t̄dzı) (following guidance in Appendix B).</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the GNWT-ENR, reporting under Measure 14-2</p> <p>a) 6-1 Part 1: Develop and implement range plans</p> <p>A final draft of the interim Wek'èezhì range plan was completed at the end of June 2021, and was submitted to the Wek'èezhì Renewable Resources Board (WRRB) on August 17, 2021. At the same time, ENR initiated a public review period for the interim range plan, with comments accepted until early October 2021. On November 03, 2021, the Department of Environment and Natural Resources (ENR) submitted a revised version of the interim range plan to the WRRB along with a summary of how comments from the public review period had been addressed. On December 09, 2021, WRRB notified ENR that they had approved the interim range plan. The final interim Wek'èezhì range plan is available at: https://www.enr.gov.nt.ca/en/interim-wekeezhii-boreal-caribou-range-plan-plan-provisoire-pour-laire-derepartition-du-caribou</p> <p>On April 28, 2022 the Wek'èezhì Boreal Caribou Range Planning Working Group met to resume work on the full Wek'èezhii range plan.</p> <p>6-1 Part 2: Information and adaptive management requirements:</p> <p><u>Monitoring to determine population trends, abundance and distribution</u></p> <ul style="list-style-type: none"> • ENR initiated a boreal caribou monitoring program in the North Slave region focused on the TASR corridor in March 2017. Annual survival rates of collared female caribou, as well as spring classification surveys used to estimate calf:cow ratios conducted in February or March each year, are used to estimate annual rates of population trend (λ =adult female survival/[1-female calf recruitment]) following Latham et al.'s (2010) modification of Hatter and Bergerud's (1991) equation. To date ENR has observed high annual female survival rates, and a stable to increasing population trend in all five years, but the calf recruitment rate was lower in 2019-20 and 2021-22 than the other three years of the program, and adult female survival was 		<p>This measure is directed to the GNWT-ECC¹, reporting under Measure 14-2</p> <p>a) 6-1 Part 1: Develop and implement range plans:</p> <p>On December 09, 2021, WRRB notified ENR that they had approved the interim range plan. The final interim Wek'èezhì range plan is available at: https://www.gov.nt.ca/ecc/sites/ecc/files/resources/attachment_a_final_interim_wekeezhii_bcrp_public_release_feb2022.pdf</p> <p>The Wek'èezhì range planning working group continued to work in 2022 on completing the full Wek'èezhì range plan. On December 1, 2022, the working group met and the Indigenous partners presented the results of their Traditional Knowledge Community Mapping workshops and discussed changes to the maps in the interim range plan.</p> <p>The GNWT is working collaboratively with the T̄chq̄ Government, and other relevant Indigenous and federal land management authorities to manage habitat to achieve the habitat disturbance threshold set out in the interim Wek'èezhì range plan to the greatest extent possible.</p> <p>6-1 Part 2: Information and adaptive management requirements:</p> <p><u>Monitoring to determine population trends, abundance and distribution</u></p> <ul style="list-style-type: none"> • ENR initiated a boreal caribou monitoring program in the North Slave region focused on the TASR corridor in March 2017. Annual survival rates of collared female caribou, as well as spring classification surveys used to estimate calf:cow ratios conducted in February or March each year, are used to estimate annual rates of population trend (λ =adult female

¹ Although the merger of the GNWT Departments of Lands and Environment and Natural Resources (ENR) occurred on April 1, 2023, the GNWT Department of Environment and Climate Change (GNWT-ECC) is used for all activities in the August 1, 2022 to April 30, 2023 reporting period.

<p>lower in 2021-22 than in previous years.</p> <ul style="list-style-type: none"> ENR deployed 10 collars on adult female boreal caribou within the TASR study area in March 2022. These collars were put out to replace collars that had been deployed in 2018 and were scheduled to drop-off on March 01, 2022, as well as collars lost due to mortality during the reporting period. Spring classification surveys were completed in March 2022 to estimate calf:cow ratios. As of September 2022, there are 35 active collars in the study area. No boreal caribou abundance surveys took place in 2021 or 2022. <p><u>Determination of population thresholds and triggers to inform adaptive management</u></p> <ul style="list-style-type: none"> Population thresholds and triggers have not yet been defined for the region. Instead, regional habitat disturbance thresholds which are tied to the likelihood of population self-sustainability have been defined in the NWT range planning framework (A Framework for Boreal Caribou Range Planning). <p><u>Harvest monitoring and reporting</u></p> <ul style="list-style-type: none"> The Tłı̨chǫ Government developed a proposal for a monitoring program to address Measures 7-1 and 9-1 of the Report of EA. In August 2020, GNWT-INF committed funds to support the Tłı̨chǫ Government to undertake this program. Measure 9-1 relates to the development of a non-mandatory harvest monitoring and reporting program. The information from this program will provide information that will also support implementation of Measures 6-2 and 7-2, as well as inclusion of traditional knowledge as required by Measures 9-3 and 10-2. In addition to the program led by the Tłı̨chǫ Government, Renewable Resources Officers from GNWT-ENR have been conducting patrols along the TASR following the opening of the road to public use. Patrols vary from daily to about three times a week, depending on the time of year. <p><u>Determining sustainable harvest levels</u></p> <ul style="list-style-type: none"> See Measure 6-2 regarding activities related to determination of sustainable harvest levels. <p><u>Identifying critical habitat</u></p> <ul style="list-style-type: none"> GNWT-ENR completed a range-wide (NT1) habitat selection analysis (resource selection functions) project using boreal caribou collar data from across the NWT to model and generate predictive maps of boreal caribou habitat selection during different seasons (NWT CIMP Project #202). The predictive habitat selection maps are being used to assist with identifying important areas for boreal caribou to support range planning and were also used in the draft TASR habitat offset plan for boreal caribou. <p><u>Ongoing habitat disturbance monitoring</u></p> <ul style="list-style-type: none"> ENR measures and updates fire disturbance on an annual basis and contributes this data to the National Burn Area Composite (NBAC) and Canadian National Fire Database (CNFDB) datasets maintained by Natural Resources Canada (NRCan). ENR uses a combination of the NBAC (1986-2020) and CNFDB (pre-1986) datasets to calculate fire disturbance within the NWT boreal caribou range. The interim Wek'èezhìi range plan contains fire data as of 2020. As of fall 2020, the Wek'èezhìi portion of the boreal caribou range had 31.9% fire disturbance (≤40 yrs old), 0.8% human disturbance (including 500 m buffer; data current to 2015 [source ECCC]), and 32.3% total combined fire/human disturbance. These regional estimates do not yet include the final footprint of the TASR project (road alignment and borrow sources plus a 500 m buffer); however, based on the proposed alignment and all 21 potential borrow sources, the human disturbance footprint in the region would increase to 0.92%, and the total disturbance footprint (fire/human combined) would remain roughly the same at 32.3%. The NT1 range as a whole had 21.5% fire disturbance, 9.1% human disturbance and 29.0% total disturbance. For general awareness, ENR is reporting on firewood harvesting. Currently any NWT resident can get a free timber cutting permit for km 0-5 on the TASR. There is an allowable 40 free timber cutting permits available to be issued for two months and up to five cords of firewood for km 8-12 of the TASR. There cannot be more than 40 permits issued at any given time for this 	<p>survival/[1- female calf recruitment]) following Latham et al.'s (2010) modification of Hatter and Bergerud's (1991) equation. To date GNWT-ECC² has observed high annual female survival rates, and an increasing population trend in all years, but the population trend index was lower in 2021-22 than the previous four years of the program.</p> <ul style="list-style-type: none"> GNWT-ECC deployed 7 collars on adult female boreal caribou within the TASR study area in February-March 2023. Spring classification surveys were completed in March 2023 to estimate calf:cow ratios. There were 34 active collars in the TASR study area as of June 2023. GNWT-ECC intends to maintain the number of collared females within the TASR (North Slave Tłı̨chǫ Highway) study area at a minimum of 30 individuals annually for at least 5 years during the operational period of the road, to obtain more precise estimates of female survival. No boreal caribou abundance surveys took place in 2022. <p><u>Determination of population thresholds and triggers to inform adaptive management</u></p> <ul style="list-style-type: none"> Population thresholds and triggers have not yet been defined for the region. Instead, regional habitat disturbance thresholds which are tied to the likelihood of population self-sustainability have been defined in the NWT range planning framework (A Framework for Boreal Caribou Range Planning). <p><u>Harvest monitoring and reporting</u></p> <ul style="list-style-type: none"> The Tłı̨chǫ Government developed a proposal for a monitoring program to address Measures 7-1 and 9-1 of the Report of EA. In August 2020, GNWT-INF committed funds to support the Tłı̨chǫ Government to undertake this program. Measure 9-1 relates to the development of a non-mandatory harvest monitoring and reporting program. The information from this program will provide information that will also support implementation of Measures 6-2 and 7-2, as well as inclusion of traditional knowledge as required by Measures 9-3 and 10-2. In addition to the program led by the Tłı̨chǫ Government, GNWT-ECC Renewable Resources Officers from Whatì and Behchokǫ conducted approximately 200 patrols on the Tłı̨chǫ Highway in 2022. <p><u>Determining sustainable harvest levels</u></p> <ul style="list-style-type: none"> See Measure 6-2 regarding activities related to determination of sustainable harvest levels. <p><u>Identifying critical habitat</u></p> <ul style="list-style-type: none"> This action is complete. See previous year's reporting. <p><u>Ongoing habitat disturbance monitoring</u></p> <ul style="list-style-type: none"> GNWT-ECC measures and updates fire disturbance on an annual basis and contributes this data to the National Burn Area Composite (NBAC) and Canadian National Fire Database (CNFDB) datasets maintained by Natural Resources Canada (NRCan). GNWT-ECC uses a combination of the NBAC (1986-2020) and CNFDB (pre-1986) datasets to calculate fire disturbance within the NWT boreal caribou range. As of fall 2021, the Wek'èezhìi portion of the boreal caribou range had 30.6% fire disturbance (≤40 yrs old), 0.8% human disturbance (including 500 m buffer; data current to 2015 [source ECCC]), and 31.0% total combined fire/human disturbance. These regional estimates do not yet include the final footprint of the TASR project (road alignment and borrow sources plus a 500 m buffer); however, based on the proposed alignment and all 21 potential borrow sources, the human disturbance footprint in the region would increase to 0.92%. GNWT-ECC is working with a contractor to map the as-built final footprint of the TASR project, and this will be available in 2023. The NT1 range as a whole had 20.4% fire disturbance, 9.1% human disturbance and 28.0% total disturbance. Fire polygons from 2022 are not yet available to update disturbance estimates current to fall 2022. <p><u>Setting disturbance thresholds for critical habitat and, to the greatest extent possible, managing habitat towards meeting these disturbance thresholds for each range planning region</u></p>
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²Although the merger of the GNWT Departments of Lands and Environment and Natural Resources (ENR) occurred on April 1, 2023, the Department of Environment Change (ECC) is used for all activities in the August 1, 2022, to April 30, 2023 reporting period.

user group. Indigenous harvesters can harvest from km 0-75 with a free permit but must not cut within 500m of a designated cabin. ENR and the Tłı̨chǫ Government are working together to develop a Forest Management Plan for the Wek'èezhìi area.

Setting disturbance thresholds for critical habitat and, to the greatest extent possible, managing habitat towards meeting these disturbance thresholds for each range planning region

- Disturbance limits and human disturbance management thresholds have been defined for each boreal caribou range planning region within the NWT Framework for Boreal Caribou Range Planning.

Monitoring predator populations including densities, movements and predation rates

- As part of the TASR WMMP and research program in partnership with Laval University (funded by the Sentinel North program), ENR deployed six culvert traps along Highway 3 between Fort Providence and Behchokǫ, and along the TASR corridor, to deploy GPS collars on black bears. Traps were deployed in different locations between September 8th and October 8th, 2021. The purpose of this program is to evaluate the influence of the TASR and Highway 3 on black bear movements and to assess predation rates of black bears on boreal caribou, moose and bison calves. The broader purpose of the Sentinel North project is to study food web dynamics between boreal caribou, moose, bison, wolves and bears and to understand how the food web is influenced by natural and human landscape disturbance as well as climate change. The black bear collars are equipped with a video camera to capture short video clips at regular intervals to document black bear predation events as well as to learn more about their behaviour and food habits. A total of seven bears were captured and fitted with GPS collars in 2021 – six males and one female. An additional female black bear was captured and collared in Yellowknife and was released inside the study area. One male bear was captured and fitted with a GPS collar in spring 2022. Additional collaring is planned for autumn 2022 to reach a target sample size of 20 individuals.
 - ENR completed a wolf survey in the TASR area February 26-March 1, 2022, using the same survey area as the 2020 survey. The wolf density estimate was 2.0-2.8 wolves/1000 km². A second 2022 wolf survey in the Mackenzie area east of Highway 3 acted as a control. The wolf density estimate in this area was 1.4 wolves/1000 km². Four wolves in two different packs were collared in the study area in February 2022. One collared wolf died in March 2022 of a vehicle collision and one wolf collar is stationary in a remote location. As of Sept 2022, there are two collared wolves in the study area.
- b) Measure 6-1 directs the GNWT-ENR to develop and implement a range plan for boreal caribou in the North Slave portion of the NT1 range. The actions taken to date outline the progress the GNWT-ENR has made, in collaboration with Indigenous governments and Indigenous organizations, renewable resources boards, land use planning boards, regulatory boards, industry and non-governmental organizations, in working towards the development of boreal caribou range plans. The development and implementation of range plans will help address Project impacts as range plans are tools for decision-makers, developers and communities to help manage activities on the land in a way that supports caribou conservation. The effectiveness of this measure cannot be determined until after the boreal caribou range plan for the Wek'èezhìi region is completed and fully implemented.

- Disturbance limits and human disturbance management thresholds have been defined for each boreal caribou range planning region within the NWT Framework for Boreal Caribou Range Planning.

Monitoring predator populations including densities, movements and predation rates

- As part of the TASR WMMP and research program, in partnership with Laval University (funded by the Sentinel North program), GNWT-ECC deployed 2 GPS collars on black bears in the study area between Fort Providence and Behchokǫ, and along the TASR corridor, in 2022.
 - The purpose of this program is to evaluate the influence of the TASR and Highway 3 on black bear movements and to assess predation rates of black bears on boreal caribou, moose and bison calves. The broader purpose of the Sentinel North project is to study food web dynamics between boreal caribou, moose, bison, wolves and bears and to understand how the food web is influenced by natural and human landscape disturbance as well as climate change.
 - The black bear collars are equipped with a video camera to capture short video clips at regular intervals to document black bear predation events as well as to learn more about their behaviour and food habits. A total of 7 bears were captured and fitted with GPS collars in the study area in 2021 – 6 males and 1 female, and 2 additional bears in 2022 – 1 male and 1 female.
 - No aerial wolf population surveys were conducted during this reporting period. See the previous year's report for wolf density estimates from past surveys.
 - In 2022, GPS collars were used to begin monitoring wolves to assess predator movements. See the previous year's report for information on collars that were deployed in 2022 prior to this reporting period. An additional 2 GPS collars were deployed on wolves in the study area in March 2023.
- b) Measure 6-1 directs the GNWT-ECC to develop and implement a range plan for boreal caribou in the North Slave portion of the NT1 range. The actions taken to date outline the progress the GNWT-ECC has made, in collaboration with Indigenous governments and Indigenous organizations, renewable resources boards, land use planning boards, regulatory boards, industry and non-governmental organizations, in working towards the development of boreal caribou range plans. The development and implementation of range plans will help address Project impacts as range plans are tools for decision-makers, developers and communities to help manage activities on the land in a way that supports caribou conservation. The effectiveness of this measure cannot be determined until after the boreal caribou range plan for the Wek'èezhìi region is completed and fully implemented.

MEASURE		MEASURE SPECIFICS
Boreal caribou		
Measure 6-2	Determine sustainable harvest levels for boreal caribou (t̄odzı) and implement measures to ensure harvest is sustainable if required	<p>To mitigate significant adverse impacts from the project on boreal caribou (t̄odzı), the GNWT-ENR, in collaboration with Aboriginal groups and in accordance with the requirements of the T̄ıch̄q Agreement, will determine sustainable harvest levels for boreal caribou in the North Slave portion of the NT1 range prior to the road being opened to the public.</p> <p>In that same period, if current harvest levels are determined to exceed sustainable levels, management action will be undertaken in conjunction with the T̄ıch̄q Government.</p> <p>If harvest levels are observed to increase towards unsustainable levels once the road is opened to the public, GNWT-ENR and T̄ıch̄q Government will submit a wildlife management proposal under section 12.5.1 of the T̄ıch̄q Agreement to the Wek'èezhı Renewable Resources Board for the timely implementation of any measures necessary to ensure boreal caribou harvest in the region is kept within sustainable levels. Such measures may include the establishment of a no-hunting corridor along the Project route.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the GNWT-ENR, reporting under Measure 14-2</p> <p>a) ENR hired a contractor to conduct population modeling to evaluate sustainable harvest levels using available demographic data from boreal caribou monitoring programs in the Dehcho, South Slave and North Slave regions. The report was completed as of March 31, 2020. On September 27, 2021, GNWT circulated the report to Indigenous Governments and Indigenous Organizations (IGs and Ios) and released the report on ENR's website. The findings of the report were presented on November 10, 2021 at the Wildlife Act Section 15 meeting, as well as at specific meetings with the T̄ıch̄q Government and North Slave Métis Alliance on October 28, 2021. ENR also held meetings to discuss the report with four Igs and Ios from the South Slave and Dehcho regions in fall 2021. Engagement on the report will continue in 2022. Copies of the full report, plain language summary and fact sheet can be found at:</p> <ul style="list-style-type: none"> • https://www.enr.gov.nt.ca/sites/enr/files/resources/gnwt_boreal_caribou_population_model_report_final_bil_1.pdf • https://www.enr.gov.nt.ca/sites/enr/files/resources/plain_lanugage_summary_boreal_caribou_sustainable_harvest_report_sep2021_0.pdf • https://www.enr.gov.nt.ca/sites/enr/files/resources/boreal_caribou_sustainable_harvest_fact_sheet.pdf <p>b) The actions taken to date outline the progress the GNWT-ENR has made in implementing this measure and has established a baseline understanding for sustainable harvest levels in the North Slave regions of the NT1 range. The effectiveness of this measure cannot be determined until future harvest level data is available for comparison against the baseline data.</p>		<p>This measure is directed to the GNWT-ECC, reporting under Measure 14-2</p> <p>a) As reported in previous years, population modeling to evaluate sustainable harvest levels using available demographic data from boreal caribou monitoring programs in the Dehcho, South Slave and North Slave regions was completed in 2020. Engagement on the report was conducted in 2021. Copies of the full report, plain language summary and fact sheet can be found at:</p> <ul style="list-style-type: none"> • https://www.enr.gov.nt.ca/sites/enr/files/resources/gnwt_boreal_caribou_population_model_report_final_bil_1.pdf • https://www.enr.gov.nt.ca/sites/enr/files/resources/plain_lanugage_summary_boreal_caribou_sustainable_harvest_report_sep2021_0.pdf • https://www.enr.gov.nt.ca/sites/enr/files/resources/boreal_caribou_sustainable_harvest_fact_sheet.pdf <p>b) The actions taken to date outline the progress the GNWT-ECC has made in implementing this measure and has established a baseline understanding for sustainable harvest levels in the North Slave regions of the NT1 range. The effectiveness of this measure cannot be determined until future harvest level data is available for comparison against the baseline data.</p>

MEASURE		MEASURE SPECIFICS
Boreal caribou		
Measure 6-3	Habitat offset and restoration plan	<p>The developer will offset effective boreal caribou (t̄q̄dzi) habitat lost because of disturbance from the Project.</p> <p>The developer, with the involvement of GNWT-ENR, will prepare and implement a habitat offset plan. This plan will describe how the required habitat offset area will be determined and how it will be achieved. In preparing the plan, the developer will collaborate with T̄h̄ch̄q̄ Government and the Wek'èezh̄ì Renewable Resources Board, and consult with the following participants to this environmental assessment:</p> <ul style="list-style-type: none"> • Environment and Climate Change Canada; • Yellowknives Dene First Nation; and, • North Slave Métis Alliance. <p>The developer will make funding available to the parties to support this consultation and collaboration. The developer will submit a draft and a final plan as described below. Once approved, the developer will operate in accordance with the plan.</p> <p>The developer will submit a draft plan to the Wek'èezh̄ì Renewable Resources Board a minimum of 30 days prior to commencement of construction. The developer will submit the final habitat offset plan to the Wek'èezh̄ì Renewable Resources Board for review under section 12.5.1 of the T̄h̄ch̄q̄ Agreement, as soon as possible, and no later than 90 days prior to public use of the road. This final plan will include, at a minimum:</p> <ul style="list-style-type: none"> • the goals and objectives of the plan; • a discussion on the expected effectiveness of mitigations and offsets; • a decision framework to prioritize restoration areas, mitigations, and offsets, including references to the research on which the decision framework was based; • a discussion of how any proposed mitigations or offsets align with the Recovery Strategy for the Boreal Caribou in the NWT and range plans; • details of proposed ways to offset habitat disturbance including restoration sites, mitigation measures, offsets, forest fire fighting policies, or habitat management approaches; • a description of the spatial scale of the proposed offset, the habitat quality and type, site specific restoration activities, and any challenges; • a timeline for offsetting; • a quantitative and qualitative assessment of the total area of boreal caribou habitat proposed for restoration and the timeframe required for restoration; • a summary of consultation feedback that was integrated into the draft and final plans; • a description of any Traditional Knowledge that was considered in the development of the plan, and how it was incorporated; and, • a description of any resources provided to Aboriginal groups to support their involvement in the drafting of the final plan, and for any involvement in the implementation of the plan.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is primarily directed to the developer, but requires the involvement of GNWT-ENR. The developer and ENR worked collaboratively to provide the information as summarized below, reporting under Measures 14-1 and 14-2.</p> <p>a) The Final Boreal Caribou Habitat Offset Plan was completed and submitted to the Wek'èezh̄ì Renewable Resources Board (WRRB) on July 16, 2021. On September 2, 2021, the WRRB approved the final plan which paved the way for the road to be opened to the public on November 30, 2021. The Final Plan and WRRB's letter of approval can be found here.</p> <p>The next steps in the offsetting program are:</p> <ol style="list-style-type: none"> 1. Development of Implementation Plan 2. Field Implementation of the Plan <p>To undertake the full scope of steps 1 & 2 above, INF sought the services of a consultant to estimates the costs associated with implementation plan development and implementation of the plan. Once funding is secured, Request for Proposals (RFP) will be sent out in 2023/24 for the offsetting program to move forward.</p> <p>b) No change from the 2019-2020 response.</p>		<p>This measure is primarily directed to the developer, but requires the involvement of GNWT-ECC. The developer and ECC worked collaboratively to provide the information as summarized below, reporting under Measures 14-1 and 14-2.</p> <p>a) Funding has now been secured for the next steps as follows:</p> <ol style="list-style-type: none"> 1. Development of Implementation Plan 2. Field Implementation of the Plan <p>A Request for Proposals is currently being prepared for the development of an Implementation Plan in 2024,</p> <p>b) No change from the 2019-2020 response.</p>

MEASURE		MEASURE SPECIFICS
Barren-ground caribou		
Measure 7-1	Incorporate Traditional Knowledge into monitoring of barren-ground caribou (ʔekwò)	To improve and inform mitigation of significant adverse impacts to barren-ground caribou (ʔekwò) resulting from increased access due to the Project, the developer will include Traditional Knowledge in barren-ground caribou (ʔekwò) monitoring and management. Prior to operations, the developer will: <ul style="list-style-type: none"> a) support the Tłıchǵ Government in the design and implementation of a program that uses Tłıchǵ harvesters' traditional knowledge and methods to monitor the state of barren-ground caribou (ʔekwò) winter habitat, during and after the construction of the Project; b) fund the implementation of the program in paragraph a); and, c) incorporate the findings of the program in paragraph a) into the Wildlife Management and Monitoring Plan while it is in place, and into any other barren-ground caribou (ʔekwò) management if the Wildlife Management and Monitoring Plan is not extended.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <ul style="list-style-type: none"> a) Same as Measure 9-1. b) No change from the 2019-2020 response. 		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <ul style="list-style-type: none"> a) The GNWT provides funding for the Tłıchǵ Government to implement a program that uses Tłıchǵ harvesters' traditional knowledge and methods to monitor the state of barren-ground caribou (ʔekwò) winter habitat. The following activities have occurred during the reporting period: <ul style="list-style-type: none"> • Elders and harvesters participate in the Tłıchǵ Tłı̀ Deè Committee (the Committee). The Committee met in November 2022. • On the recommendations of the Committee, three vegetation studies have occurred in August 2021, August 2022, July 2023, and reports have been done for the first two studies. The purpose of these vegetation surveys is to collect and analyse tǵdzı and hozı ekwǵ habitat data over time to measure the impact of the Tłıchǵ Highway to the plants and habitat in the area. • Based on the guidance of the Tłıchǵ Tłı̀ Deè Committee, it was recommended that the Tłıchǵ Government look into completing a dust study along the highway. The purpose of the study, which will use drones, is to collect imagery of the habitat surrounding the highway and analyze the imagery to see if dust can be detected on the vegetation. • Dust collection stands were deployed in April 2023. The Tłıchǵ Government has a Memorandum of Understanding with NRCan, who have agreed to provide financial, material, and analysis support to implement the dust study program. b) No change from the 2019-2020 response.

MEASURE		MEASURE SPECIFICS
Barren-ground caribou		
Measure 7-2	Barren-ground caribou mitigation and policy changes	To manage significant adverse impacts to barren-ground caribou (ᐱᑦᐱᑦᐱᑦ) resulting from the Project, GNWT-ENR and Tłı̨chǫ Government, along with their co-management partners in the Wek'èezhìi area, will: a) complete the Bathurst Caribou Range Plan as soon as possible and prior to the expiry of the Wildlife Management and Monitoring Plan; and, b) consider protecting barren-ground caribou (ᐱᑦᐱᑦᐱᑦ) historic winter habitat from fires when determining where and when fires are fought, to offset effective habitat loss from the Project.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the GNWT-ENR and the Tłı̨chǫ Government, reporting under Measure 14-2</p> <p>a) 7-2, Part a: complete the Bathurst Caribou Range Plan: The Bathurst Caribou Range Plan (BCRP) was released on August 21, 2019. The BCRP was developed by a multi-stakeholder working group and will help decision-makers manage activities on the land in a way that supports the recovery of the Bathurst herd, while providing clarity on land use and access for developers, regulators and residents of the Northwest Territories (NWT). It includes guidance for managing the overall amount of disturbance on the land, as well as seven management tools to reduce and manage impacts to caribou and caribou habitat. Actions are currently underway to support implementation of the recommendations contained in the BCRP. The BCRP is available on ENR's website at https://www.enr.gov.nt.ca/sites/enr/files/resources/bathurst_caribou_range_plan_2019_-_plan_pour_laire_de_repartition_des_caribous_de_bathurst_2019.pdf.</p> <p>In 2021, GNWT-ENR, with an Industry partner, has developed two guidance documents for the implementation of Mobile Caribou Conservation Measures (MCCM). A Framework Document describes the intent of MCCM and how they would operate, and an Operational Guidance document provides direction for companies with exploration camps that might need to implement MCCM at their site. GNWT-ENR conducted a desktop pilot project of MCCM in Fall 2020. The pilot project was conducted as a desktop exercise as exploration camps were not operational due to COVID-19. Results of the pilot project are reported in the MCCM Operational Guidance document and show how often caribou interacted with the sites, how long they resided nearby, what type of mitigation measures would have been triggered and for how long. GNWT-ENR plans to work with an Industry partner to test the MCCM and Operational Guidance document at an active exploration camp in 2022.</p> <p>7-2, Part b: consider protecting barren-ground caribou historic winter habitat from fires: The BCRP contains a recommendation to: "On an annual basis, identify large, strategically-located patches of forest in the central Bathurst winter range for the GNWT fire management "Values at Risk" database. Response to fires in these areas would be based on an analysis of the current fire load, fire environment, resource availability and similar considerations of the management options at the time of</p>		<p>This measure is directed to the GNWT-ECC and the Tłı̨chǫ Government, reporting under Measure 14-2</p> <p>a) 7-2, Part a: complete the Bathurst Caribou Range Plan. The Bathurst Caribou Range Plan (BCRP) was released on August 21, 2019. Actions are currently underway to support implementation of the recommendations contained in the BCRP. The BCRP is available on GNWT-ECC's website at: https://www.enr.gov.nt.ca/sites/enr/files/resources/bathurst_caribou_range_plan_2019_-_plan_pour_laire_de_repartition_des_caribous_de_bathurst_2019.pdf.</p> <p>In 2022, GNWT-ECC approached industry to test two guidance documents for the implementation of Mobile Caribou Conservation Measures (MCCM). A Framework Document describes the intent of MCCM and how they would operate, and an Operational Guidance document provides direction for companies with exploration camps that might need to implement MCCM at their site. The MCCM will be tested by Mountain Diamond Province (Kennedy North Exploration Project), Rio Tinto (Diavik Diamond Mine), and Blue Star Gold Corp (Ulu Gold Project) in 2023.</p> <p>7-2, Part b: consider protecting barren-ground caribou historic winter habitat from fires: The BCRP contains a recommendation to: "On an annual basis, identify large, strategically-located patches of forest in the central Bathurst winter range for the GNWT fire management "Values at Risk" database. Response to fires in these areas would be based on an +analysis of the current fire load, fire environment, resource availability and similar considerations of the management options at the time of the fire event."</p> <p>Priority areas for fire management for boreal caribou were identified in the interim Wek'èezhìi plan in 2021. Priority areas were identified based a late-winter habitat selection model and predictive map to target patches of highly selected habitat >60km² in size. These maps of key late-winter habitat patches were provided to GNWT-ECC Forest Management Division, along</p>

the fire event.”

ENR has been exploring ways to identify areas as values at risk for boreal and barren-ground caribou based on habitat selection models, areas identified as important habitat by communities, availability and location of fire management resources, and logistical constraints. ENR staff met in summer and fall 2019 to discuss different options and this work is ongoing. The Tłıchǵ Government held a workshop to identify areas of critical winter habitat for boreal and barren-ground caribou and shared the spatial data from the workshop with ENR in late summer 2019.

A total of 44 forest fires were reported in the North Slave region in 2021, with a total area burned of 34,865 ha. This was below the 10-year average of 57 fires per year and 287,000 ha burned per year. Several fires around Yellowknife, Behchokǵ and Whatı received fire suppression actions. ENR fought a fire (Zf035-21) that occurred south of Whatı and east of the TASR which was within a large patch of high suitability late-winter habitat for boreal caribou identified as Value at Risk in the interim Wek'èezhıı range plan. It took over 10 days to have the fire controlled and the fire burned an area of 2699 ha. Two fires that occurred within the barren-ground caribou winter range (Zf036-21 and Zf037-21) northeast of Whatı and southwest of Gamètı were suppressed during the same period but did not coincide with areas identified by the Tłıchǵ Government as a priority barren ground caribou habitat. Two fires in the Wek'èezhıı Management area that were human caused were quickly suppressed and did not reach a significant size. 2022 fire data has not yet been fully analyzed and will be reported on in future reports.

b) The actions taken to date outline the progress the GNWT-ENR has made in implementing this measure. The development and implementation of range plans will help address this impact as range plans are tools for decision-makers, developers and communities to help manage activities on the land in a way that supports caribou conservation. The effectiveness of the BCRP cannot be assessed because the BCRP is relatively recent (August 21, 2019).

with priority areas identified by the Tłıchǵ Government in 2019 and the map of Basic, Enhanced and Intensive management areas defined in the interim range plan, for incorporation into their fire management decision mapping support tool called “SPARCS” (Spatial Precipitation and Risk Calculation System).

b) The actions taken to date outline the progress the GNWT-ECC has made in implementing this measure. The development and implementation of range plans will help address this impact as range plans are tools for decision-makers, developers and communities to help manage activities on the land in a way that supports caribou conservation. The effectiveness of the BCRP cannot be assessed because the BCRP is relatively recent (August 21, 2019).

MEASURE		MEASURE SPECIFICS
Fish and water		
Measure 8-1	Fisheries Management Plan	<p>Fisheries and Oceans Canada and the Tłıchq Government, with the support of the developer, will develop and implement a Fisheries Management Plan for fisheries in the project area. This will prevent significant adverse impacts from additional fishing pressure that will likely result from increased access via the Project. In designing the plan, Fisheries and Oceans Canada will engage with the Tłıchq Government, the Wek'èezhì Renewable Resources Board, the Community of Whati and other affected Aboriginal groups. Fisheries and Oceans Canada and the Tłıchq Government will submit the plan to the Wek'èezhì Renewable Resources Board for review under section 12.5.1 of the Tłıchq Agreement.</p> <p>As part of this plan, Fisheries and Oceans Canada and the Tłıchq Government will complete the following work:</p> <p>a) Complete work to understand baseline fishery and harvest conditions. This work will include, at a minimum:</p> <ol style="list-style-type: none"> i. assessing yield and harvest; ii. identifying management issues; iii. establishing fisheries objectives; and, iv. clarifying management and stewardship arrangements. <p>b) Design and implement, with support of the developer, mitigation to prevent or manage project impacts (which may include a regulatory and compliance plan).</p> <p>c) Design and implement monitoring plans, meeting the requirements of Appendix C.</p> <p>d) Design and implement an adaptive management plan (following guidance in Appendix B).</p> <p>Fisheries and Oceans Canada and the Tłıchq Government will provide opportunity for the working group (required by Measure 14-3) and other interested parties to review and comment on this plan.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to Fisheries and Oceans Canada and the Tłıchq Government, with support of the developer. As such, the GNWT is reporting under Measure 14-1, while the other regulators will, in their own report(s), report under Measure 14-2.</p> <p>a) INF continues to work collaboratively with Fisheries and Oceans Canada (DFO), the Tłıchq Government, and the Wek'èezhì Renewable Resources Board (WRRB) to develop the Fisheries Management Plan (FMP). The Working Group meets monthly to discuss and review the progress of the FMP. The Working Group updated the Corridor Working Group at its June 13, 2022 meeting.</p> <p>On January 24, 2022, INF submitted the final FMP to the WRRB for their review and approval. On February 15, 2022, the WRRB approved the final Plan. In addition to the Plan, other informational materials such as signage, brochure/pamphlet, and an Angler diary are being developed to enhance and effectively disseminate the information in the FMP. Currently, the FMP Working Group is working with two companies to complete the design and production of the signage and pamphlet, and the Angler diary.</p> <p>b) No changes or updates since the 2019-2020 response.</p>		<p>This measure is directed to Fisheries and Oceans Canada and the Tłıchq Government, with support of the developer. As such, the GNWT is reporting under Measure 14-1, while the other regulators will, in their own report(s), report under Measure 14-2.</p> <p>a) INF worked collaboratively with Fisheries and Oceans Canada (DFO), the Tłıchq Government, and the Wek'èezhì Renewable Resources Board (WRRB) to develop the Fisheries Management Plan (FMP). The FMP was submitted to and approved by the WRRB in February 2022. The Working Group now meets occasionally to discuss and review optional supplementary materials the group has been planning to print out. The FMP Working Group updated the Corridor Working Group at its June 13, 2022 and December 7, 2022 meetings.</p> <p>Due to Staff changes within DFO, the texts for the signage and pamphlets went through additional review and proposed changes have been made, which temporarily delayed the production of the signage and pamphlets, as well as the Angler Diary.</p> <p>b) No changes or updates since the 2019-2020 response.</p>

MEASURE		MEASURE SPECIFICS
Cultural well-being		
Measure 9-1	<p>Monitoring harvest and managing wildlife to maintain successful harvest</p> <p>Part 1 Aboriginal harvest monitoring and reporting program</p> <p>Part 2 Use monitoring to inform management</p>	<p><u>9-1, Part 1: Aboriginal harvest monitoring and reporting program</u> To mitigate impacts on Aboriginal harvesters and to effectively inform management of wildlife populations in the area of the Project, GNWT-ENR will work together with the Tłıchǫ Government and Wek'èezhì Renewable Resources Board to develop and implement a non-mandatory Aboriginal harvest monitoring and reporting program. The harvest monitoring and reporting program will: a) focus on boreal caribou, barren-ground caribou and moose population trends in areas accessed by winter roads and trails from the Project; b) be community-based and involve collaboration between Tłıchǫ Government and the developer; c) involve Traditional Knowledge holders and harvesters in monitoring wildlife harvesting trends; and, d) report on wildlife harvesting numbers and trends from monitoring checkpoints and/or other harvest monitoring methods annually to the Tłıchǫ Government, Wek'èezhì Renewable Resources Board, GNWT-ENR and other wildlife co-management partners.</p> <p>The developer will fund this harvest monitoring and reporting related to the project. The harvest monitoring will meet the requirements of Appendix C.</p> <p><u>9-1, Part 2: Use monitoring to inform management</u> GNWT-ENR, in collaboration with the Tłıchǫ Government and Wek'èezhì Renewable Resources Board, will consider wildlife management actions and mitigations based on the results of the monitoring above and the information collected by the GNWT's existing Resident Hunting Reporting Program, to help ensure sustainable Aboriginal harvesting of wildlife and report on monitoring results and management actions in the annual reviews of the Wildlife Management and Monitoring Plan.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is directed at the GNWT-ENR, WRRB and the Tłıchǫ Government, reporting under Measure 14-2</p> <p>a) <u>9-1, Part 1: Aboriginal harvest monitoring and reporting program</u> The non-mandatory Aboriginal harvest monitoring and reporting program required by Measure 9-1 is being implemented by the Tłıchǫ Government. ENR is providing technical input and support to the Tłıchǫ Government as required. For example, ENR provides technical updates to the Tłıchǫ Monitoring Committee twice a year on all related wildlife monitoring activities led by ENR, shares technical reports, such as the harvest sustainability report, and administers the funding contribution agreement. The Department of INF provides funding related to the program.</p> <p><u>9-1, Part 2: Use monitoring to inform management</u> The information from the Aboriginal harvest monitoring and reporting program will provide information that will also support implementation of Measures 6-2, as well as inclusion of traditional knowledge as required by Measures 9-3 and 10-2. Future versions of the Wildlife Management and Monitoring Plans will be updated with any recommendations from the study.</p>		<p>This measure is directed at the GNWT-ECC, WRRB and the Tłıchǫ Government, reporting under Measure 14-2</p> <p>a) <u>9-1, Part 1: Aboriginal harvest monitoring and reporting program</u> The non-mandatory Aboriginal³ harvest monitoring and reporting program required by Measure 9-1 is being implemented by the Tłıchǫ Government. Activities carried out by the Tłıchǫ Government to implement this measure include:</p> <ul style="list-style-type: none"> • Hiring and training for the Tłıchǫ harvest monitors has occurred since December of 2021. There have been two official training weeks. • Harvest monitors started working in December 2021 when the road opened and have been working throughout the reporting period with intermittent breaks. • All monitoring data from the monitors to date has been compiled into a report. The monitors have not reported any Indigenous harvest of caribou or moose on the Tłıchǫ Highway.

³ Ordinarily, the GNWT would use the term “Indigenous” in this context, however the term “Aboriginal” is used in this context as this is the term used for the original measure.

<p>b) The effectiveness of the actions taken to implement this measure cannot be assessed yet, as measure implementation is in the early stages.</p>	<ul style="list-style-type: none"> The Tłıchǫ Government has a voluntary harvest reporting program in place but there has not been any uptake for the program. <p>Additionally, the GNWT-ECC is providing technical input and support to the Tłıchǫ Government as required. For example, the GNWT-ECC provides technical updates to the Tłıchǫ Tłıh Deè Committee twice a year on all related wildlife monitoring activities led by the GNWT-ECC, shares technical reports, such as the harvest sustainability report, and administers the funding contribution agreement. The Department of INF also provides funding related to the measure.</p> <p><u>9-1, Part 2: Use monitoring to inform management</u></p> <p>The information from the Aboriginal harvest monitoring and reporting program will provide information that will also support implementation of Measures 6-2, as well as inclusion of traditional knowledge as required by Measures 9-3 and 10-2. Future versions of the Wildlife Management and Monitoring Plans will be updated with any recommendations from the study.</p> <p>With financial support from GNWT-INF, TG has put in place a daily monitoring program with monitors patrolling the Tłıchǫ Highway, but there have not been any TK recommendations for harvesting, mitigation, monitoring, or adaptive management for the reporting period.</p> <p>c) The effectiveness of the actions taken to implement this measure cannot be assessed yet, as measure implementation is in the early stages.</p>
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MEASURE	MEASURE SPECIFICS
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Cultural well-being		
Measure 9-2	Cultural sensitivity in work camps and communities	To mitigate the Project’s impact on Tłıchǫ culture and well-being of Tłıchǫ residents, the developer will require that the P3 operator has culturally appropriate and specific policies in accordance with those set out by the Tłıchǫ Government, GNWT departments and federal government. The P3 operator will have policies and programs in place for employee cultural orientation, approved by the Tłıchǫ Government, for all non-Tłıchǫ workers, including awareness of special cultural norms and practices.

DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE

2021-2022 DETAIL ON MEASURE PROGRESS	2022-2023 DETAIL ON MEASURE PROGRESS
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<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) No change from the 2020-2021 response.</p> <p>b) The actions taken to implement this measure appeared to have been effective. At the time of this report, no incidences of cultural insensitivity, cultural discrimination, have been reported since commencement of construction activities on September 2, 2019. There is a growing</p>	<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) No change from the 2020-2021 response.</p> <p>b) The actions taken to implement this measure appeared to have been effective. At the time of this report, no incidences of cultural insensitivity or cultural discrimination have been reported since commencement of construction activities on September 2, 2019.</p>
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interest among external workforce to learn about the Tłıchǫ culture. There is mutual respect among workers with different cultural backgrounds.	
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MEASURE		MEASURE SPECIFICS
Cultural well-being		
Measure 9-3	Include Traditional Knowledge from all relevant groups	To mitigate impacts from the Project to culture and harvesting, the developer will incorporate Traditional Knowledge into the Project design and management from all Aboriginal groups that traditionally use the area. The developer will: a) support the collection of Traditional Knowledge related to traditional use, and compile it with information already acquired; b) thoroughly consider any Traditional Knowledge that is made available, and, where applicable, incorporate Traditional Knowledge into Project design, mitigations, monitoring and adaptive management; and, c) do this in a culturally-appropriate way that respects applicable Traditional Knowledge policies and protocols. The GNWT-ENR and Wek'èezhì Land and Water Board will consider these findings in the Wildlife Management and Monitoring Plan and in permitting.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is directed primarily to the developer, but requires GNWT-ENR to consider the findings in the Wildlife Management and Monitoring Plan (WMMP) and in permitting. As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1 a) Traditional Knowledge was incorporated into policies and training materials to ensure cultural awareness and sensitivity during construction both onsite and within the community. INF continues to use the existing Traditional Knowledge incorporated into the Wildlife Management and Monitoring Plan (WMMP), Project design, mitigation measures, and monitoring during construction and operations. INF also continues to solicit for Traditional Knowledge input from the community during TASR Corridor Working Group Meetings. b) No change from the 2019-2020 response.</p> <p>Reporting under Measure 14-2 a) ENR has not received or been made aware of any new Traditional Knowledge reports or findings during the reporting period that could have been incorporated into of the TASR WMMP, which was last circulated for public review in September, 2021. The WLWB approved version 5.2 on February 09, 2022, while ENR approved the same version on March 21, 2022. b) Not applicable as this measure is primarily directed to the developer.</p>		<p>This measure is directed primarily to the developer, but requires GNWT-ECC to consider the findings in the Wildlife Management and Monitoring Plan (WMMP) and in permitting. As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1 a) Traditional Knowledge was incorporated into policies and training materials to ensure cultural awareness and sensitivity during construction both onsite and within the community. INF continues to use the existing Traditional Knowledge incorporated into the Wildlife Management and Monitoring Plan (WMMP), Project design, mitigation measures, and monitoring during construction and operations. INF also continues to solicit for Traditional Knowledge input from the community during the Tłı̄chų Highway Corridor Working Group Meetings. INF and the Communities are monitoring the movement of Bison along the Tłı̄chų Highway. If they cross the LaMartre River (KM 85), TK will be sought from the Community, in collaboration with Environment and Climate Change (ECC), to manage the movement of the Bison so they don't get into the Community itself. b) No change from the 2019-2020 response.</p> <p>Reporting under Measure 14-2 a) GNWT-ECC has not received or been made aware of any new Traditional Knowledge reports or findings during the reporting period that could have been incorporated into of the TASR WMMP, which was last circulated for public review in January 2023. However, the GNWT-ECC received a 2022 Vegetation Survey report and a 2022 Tłı̄chų Highway Wildlife Monitoring Program report. The Monitoring Program report provides an overview of the data and observations from the Tłı̄chų Highway Wildlife Monitors from December 2021 to December 2022. Additionally, during the Corridor Working Group meetings in 2022, it was agreed that monitoring of Bison movement along the alignment should continue, and if the need arises, GNWT-INF/ECC will seek TK during formal engagement with the communities to manage Bison movement into the Whatı̄ Community. b) Not applicable as this measure is primarily directed to the developer.</p>

MEASURE		MEASURE SPECIFICS
Species at risk and wildlife, other than caribou		
Measure 10-1	Bird species at risk and migratory bird data, mitigation, monitoring and adaptive management Part 1 Pre-construction bird surveys Part 2 Mitigation Part 3 Monitoring and reporting Part 4 Adaptive management	<p><u>10-1, Part 1: Pre-construction bird surveys</u> The developer will conduct pre-construction field surveys of bird species at risk and migratory birds prior to disturbing potential habitat, including any clearing of the right-of way, quarry sites, camps, access routes, or other project infrastructure. The developer will consult with Environment and Climate Change Canada (ECCC) and GNWT-ENR about methods and timing for a field survey(s). The developer will conduct the survey using methods derived from peer-reviewed scientific literature and best practices.</p> <p><u>10-1, Part 2: Mitigation</u> The developer will use the results from surveys in 10-1 Part 1 to inform mitigations. The mitigations will help protect bird species at risk and migratory birds and ensure habitats and nesting sites are protected. For all project-related infrastructure and activities during the construction and operations phase, the developer will: a) use the information from the survey(s) to inform and adjust proposed mitigations; b) implement mitigations as described in its commitments table and its Wildlife Management and Monitoring Plan; c) implement additional mitigations to eliminate or reduce impacts, if warranted based on surveys; d) halt all disruptive activities, in consultation with ECCC, in an area if nests or young are discovered; and e) determine and implement, in consultation with ECCC and GNWT-ENR, appropriate species-specific buffer zones or setbacks, until the young have naturally and permanently left the vicinity of the nest taking into consideration the intensity of the disturbance and the surrounding habitat.</p> <p><u>10-1, Part 3: Monitoring and reporting</u> The developer will: a) implement monitoring in section 5 and Appendix C of the Wildlife Management and Monitoring Plan and Chapter 14 of this report; b) monitor nests using non-intrusive search methods at quarry sites immediately prior to commencing any disruptive activities during the nesting period; and c) report weekly and annually as described in section 6 of the Wildlife Management and Monitoring Plan, including findings of baseline surveys in 10-1 Part 1. Monitoring will meet the requirements of Appendix C.</p> <p><u>10-1, Part 4: Adaptive management</u> The developer will implement adaptive management as described in section 6 of the Wildlife Management and Monitoring Plan and following guidance in Appendix B of this report.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, but requires the developer to consult with ECCC and GNWT-ENR. As such, it is being reported on by GNWT under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1 a) 10-1, Part 1: Pre-construction bird surveys: No change from the 2019-2020 response.</p> <p>10-1, Part 2: Mitigation: No change from the 2019-2020 response. No active bird nests were encountered during this reporting period.</p> <p>10-1, Part 3: Monitoring and reporting: No change from the 2019-2020 response. No active bird nests were encountered during this reporting period.</p> <p>10-1, Part 4: Adaptive management: No change from the 2019-2020 response. Mitigation measures put in place appear to be working effectively.</p> <p>b) No change from the 2019-2020 response.</p> <p>Reporting under Measure 14-2 a) ENR was not consulted on appropriate species-specific buffer zones or setbacks for bird species at risk and migratory birds. As to ENR's knowledge, no active bird nests were encountered or reported by the developer during the reporting period.</p> <p>b) Not applicable as this measure is primarily directed to the developer.</p>		<p>This measure is directed to the developer, but requires the developer to consult with ECCC and GNWT-ENR. As such, it is being reported on by GNWT under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1 a) 10-1, Part 1: Pre-construction bird surveys: No change from the 2019-2020 response.</p> <p>10-1, Part 2: Mitigation: No change from the 2019-2020 response. No active bird nests were encountered during this reporting period.</p> <p>10-1, Part 3: Monitoring and reporting: No change from the 2019-2020 response. No active bird nests were encountered during this reporting period.</p> <p>10-1, Part 4: Adaptive management: No change from the 2019-2020 response. Mitigation measures put in place appear to be working effectively.</p> <p>b) No change from the 2019-2020 response.</p> <p>Reporting under Measure 14-2 a) GNWT-ECC was not consulted on appropriate species-specific buffer zones or setbacks for bird species at risk and migratory birds. As to the GNWT-ECC's knowledge, no active bird nests were encountered or reported by the developer during the reporting period.</p> <p>b) Not applicable as this measure is primarily directed to the developer.</p>

MEASURE		MEASURE SPECIFICS
Species at risk and wildlife, other than caribou		
Measure 10-2	Wildlife Management and Monitoring Plan approval, annual review and reporting Part 1 WMMP update prior to permitting Part 2 WMMP update during permitting Part 3 Annual review of the WMMP during construction and operations.	<p><u>10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting</u> The developer will update its Wildlife Management and Monitoring Plan prior to permitting to include the developer's commitments and Review Board's measures from this <i>Report of Environmental Assessment</i>.</p> <p>Prior to permitting, the developer will, where appropriate, include Traditional Knowledge from all Aboriginal groups that harvest in the area on ways to mitigate, monitor and adaptively manage impacts from the Project to wildlife.</p> <p><u>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting</u> During permitting, the developer will involve Environment and Climate Change Canada, GNWT-ENR, Wek'èezhì Renewable Resources Board, Tłı̨chǫ Government and Aboriginal groups that harvest in the area, in developing an updated Wildlife Management and Monitoring Plan. Monitoring will meet the requirements of Appendix C.</p> <p>When updating the Wildlife Management and Monitoring Plan, the developer will, where appropriate, include Traditional Knowledge from all Aboriginal groups that harvest in the area on ways to mitigate, monitor, and adaptively manage impacts from the Project to wildlife. The Wildlife Management and Monitoring Plan will be updated based on the results of available surveys and monitoring, such as caribou, bird (Measure 10-1), and moose surveys.</p> <p>The Wildlife Management and Monitoring Plan will require that construction activities, including clearing, consider sensitive wildlife periods, for example nesting periods of migratory birds.</p> <p><u>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations</u> GNWT-ENR will require annual public review of the Wildlife Management and Monitoring Plan and make publicly viewable:</p> <ul style="list-style-type: none"> • recommendations from parties; • responses on how recommendations were incorporated; and, • reasons for recommendations which were not incorporated.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is directed primarily to the developer, but requires GNWT-ENR involvement. As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: This portion of the measure was completed in the last reporting period and remains the same.</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: This portion of the measure was completed in the last reporting period and remains the same.</p> <p>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: Version 5.0 of the TASR Wildlife Management and Monitoring Plan (WMMP) was circulated for public review in September 2021. Version 5.2 of the TASR WMMP was approved by the WLWB on February 9, 2022, while ENR approved the same Version on March 21, 2022.</p> <p>b) No change from the 2019-2020 response.</p> <p>Reporting under Measure 14-2</p> <p>a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: This portion of the measures has been completed and there is no change to the previous reporting.</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: This portion of the measure has been completed and there is no change to the previous reporting.</p> <p>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: In September 2021, INF submitted version 5.0 of the TASR WMMP to the Wek'èezhì Land and Water Board (WLWB). A 30-day public review period was undertaken, with submissions made to the WLWB's Online Review System (ORS) by Environment and Climate Change Canada, the North Slave Métis Alliance, and the Wek'èezhì Renewable Resources Board (WRRB). In consultation with ENR staff, INF developed responses to comments received, revised the WMMP to address the comments and, on November 12, 2021, submitted Version 5.1 of the TASR WMMP to the WRRB as a management proposal under Section 12.5.1</p>		<p>This measure is directed primarily to the developer, but requires GNWT-ENR involvement. As such, it is being reported on under both Measures 14-1 and 14-2.</p> <p>Reporting under Measure 14-1</p> <p>a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: This portion of the measure was completed in the last reporting period and remains the same.</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: This portion of the measure was completed in the last reporting period and remains the same.</p> <p>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: Version 6.0 of the WMMP was submitted to the WLWB and ECC on January 20, 2023, respectively to commence the public review process. Version 6.0 was posted to the WLWB's Online Review System (ORS) for public comments. Following the public comment period, Version 6.1 was submitted to the WRRB on April 13, 2023 for their review and approval. The WRRB approved Version 6.1 on May 26, 2023. On June 12, 2023, Version 6.2 was submitted to GNWT-ECC and WLWB for a final approval.</p> <p>b) No change from the 2019-2020 response.</p> <p>Reporting under Measure 14-2</p> <p>a) 10-2, Part 1: Wildlife Management and Monitoring Plan update prior to permitting: This portion of the measures has been completed and there is no change to the previous reporting.</p> <p>10-2, Part 2: Wildlife Management and Monitoring Plan update during permitting: This portion of the measure has been completed and there is no change to the previous reporting.</p> <p>10-2, Part 3: Annual review of the Wildlife Management and Monitoring Plan during construction and operations: Version 6.0 of the WMMP was submitted to the WLWB and ECC on January 20, 2023, respectively to commence the public review process. Version 6.0 was posted to the WLWB's Online Review System (ORS) for public</p>

of the Tłı̄chǫ Agreement. In a letter to INF on December 09, 2021, the WRRB indicated its approval of Version 5.1 of the TASR WMMP as submitted. On January 28, 2022, INF submitted Version 5.2 of the TASR WMMP to ENR and the WLWB. INF updated Version 5.2 with minor administrative changes. The WLWB approved Version 5.2 of the TASR WMMP on February 09, 2022 [while ENR approved the same version](#) on March 21, 2022.

Construction of the TASR was completed in November of 2021. A comprehensive WMMP report providing a summary and analysis of the wildlife mitigation and monitoring programs undertaken during the pre-construction and construction phase is required to be submitted to ENR by March 31, 2023.

- b) The annual review process was effective in incorporating new information into the plan and allowing different parties to recommend changes to the plan or to identify areas where implementation of the plan may have been deficient.

comments. Following the public comment period, Version 6.1 was submitted to the WRRB on April 13, 2023 for their review and approval. The WRRB approved Version 6.1 on May 26, 2023. On June 12, 2023, Version 6.2 was submitted to ECC and WLWB for a final approval.

- b) The annual review process provided parties the opportunity to incorporate new information into the plan and recommend changes to the plan or to identify areas where implementation of the plan may have been deficient. No substantive changes were proposed by parties. Minor changes were made to the WMMP, and those changes are documented in the Plan Maintenance and Control section of the WMMP.

MEASURE		MEASURE SPECIFICS
Permafrost		
Measure 11-1	Permafrost Management Plan	<p>To minimize permafrost degradation and prevent associated significant adverse impacts on the environment from the Project during construction and operation of the Project, the developer will develop and implement a permafrost management plan for construction and maintenance of the Project. The plan will be submitted for review and approval to the Wek'èezhì Land and Water Board prior to construction.</p> <p>This plan will include monitoring (following the requirements in Appendix C) and adaptive management (following the requirements in Appendix B). It will incorporate the recommendations made by Natural Resources Canada during the environmental assessment process as well as recommendations from the working group (Measure 14-3).</p> <p>The developer will incorporate any relevant information from the permafrost management plan into ongoing monitoring and adaptive management during Project operations.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>a) This measure is directed to the developer, reporting under Measure 14-1</p> <p>No action was taken during the reporting period. Infrastructure is currently examining the operation of the existing thermistors, as there was damage to some of these units during the construction of the highway, and some units were placed off the highway final right-of way based on the original conceptual highway alignment.</p> <p>b) No change from the 2019-2020 response</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) No action was taken during the reporting period. Additional funding has now been secured to replace the thermistors that were damaged, if necessary, and relocate the existing ones that are too far away from the right-of-way.</p> <p>b) There was no change from the 2019-2020 response.</p>

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-1	Annual reporting from the developer	<p>To demonstrate how measures are being implemented and to evaluate the effectiveness of the developer's efforts to prevent or minimize impacts on the environment, the developer will, throughout all phases of the development, prepare an annual report on the implementation of measures. The report will address the measures that the developer is responsible for and will:</p> <p>a) describe the actions, including actions implemented through adaptive management, being undertaken to implement the measures; and, b) evaluate how effective the implementation actions are in reducing or avoiding the impact (considering the results of monitoring programs and adaptive management frameworks). Where applicable, provide references to further information contained in other management plans or monitoring reports.</p> <p>The developer will provide its annual report to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>The reporting requirement from the developer falls under the Environmental Assessment (EA) Measure 14-1, which comprises of the following EA Measures:</p> <ol style="list-style-type: none"> 1. Measure 5-1 2. Measure 5-2 3. Measure 5-3 4. Measure 5-4 5. Measure 5-5 6. Measure 5-7 7. Measure 6-3 8. Measure 7-1 9. Measure 8-1 10. Measure 9-2 11. Measure 9-3 12. Measure 10-1 13. Measure 10-2 14. Measure 11-1 15. Measure 14-1 16. Measure 14-3 17. Measure 14-4 		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>The reporting requirement from the developer falls under the Environmental Assessment (EA) Measure 14-1, which comprises of the following EA Measures:</p> <ol style="list-style-type: none"> 1. Measure 5-1 2. Measure 5-2 3. Measure 5-3 4. Measure 5-4 5. Measure 5-5 6. Measure 5-7 7. Measure 6-3 8. Measure 7-1 9. Measure 8-1 10. Measure 9-2 11. Measure 9-3 12. Measure 10-1 13. Measure 10-2 14. Measure 11-1 15. Measure 14-1 16. Measure 14-3 17. Measure 14-4

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-2	Annual reporting from government and regulatory authorities	<p>To help evaluate the effectiveness of mitigation measures for the protection of the environment, each regulatory authority or government that is wholly or partly responsible for implementation of any measure in this <i>Report of Environmental Assessment</i> will prepare an annual report on implementation of measures. The report will:</p> <p>a) describe the actions being undertaken to implement the measures or the part(s) of the measures for which the regulatory authority or government is responsible; and, b) explain how these actions, including those implemented through adaptive management, fulfill the intent of the EA measures, including consideration of the following questions:</p> <p>i. How are implementation actions addressing a likely significant adverse impact on the environment? ii. How effective are implementation actions at reducing or avoiding the impact or its likelihood?</p> <p>Government and regulators are only responsible for reporting on the implementation actions they take, not actions taken by the developer. For example, if a regulator does not issue an authorization, provide direction to the developer, approve a management plan, or take other actions that relate to an EA measure(s) in a given year, the regulator will not need to submit a report for that year.</p> <p>The governments and regulators will provide their annual reports to the Review Board one year from the date of the final approval of this <i>Report of Environmental Assessment</i>, and annually thereafter.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the regulatory authorities and/or governments, including the GNWT, reporting under Measure 14-2</p> <p>The following Measures fall under the reporting requirements of Measure 14-2 for the Government and Regulatory Authorities:</p> <ol style="list-style-type: none"> 1. Measure 5-2 2. Measure 5-6 3. Measure 6-1 4. Measure 6-2 5. Measure 6-3 6. Measure 7-2 7. Measure 8-1 8. Measure 9-1 9. Measure 9-3 10. Measure 10-1 11. Measure 10-2 12. Measure 14-2 		<p>This measure is directed to the regulatory authorities and/or governments, including the GNWT, reporting under Measure 14-2</p> <p>The following Measures fall under the reporting requirements of Measure 14-2 for the Government and Regulatory Authorities:</p> <ol style="list-style-type: none"> 1. Measure 5-2 2. Measure 5-6 3. Measure 6-1 4. Measure 6-2 5. Measure 6-3 6. Measure 7-2 7. Measure 8-1 8. Measure 9-1 9. Measure 9-3 10. Measure 10-1 11. Measure 10-2 12. Measure 14-2

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-3	Project working group	<p>The developer will establish the Tłıchǰ All-Season Road Corridor Working Group by:</p> <ul style="list-style-type: none"> • funding the Tłıchǰ Government, Wek'èezhì Renewable Resources Board, Yellowknives Dene First Nation and North Slave Métis Alliance to participate in twice annual working group meetings, one of which will annually take place in Whatì; • requiring the participation of the P3 operator; and, • inviting Tłıchǰ Elders to participate. <p>The developer will make meeting minutes publicly available. The developer will maintain the working group throughout the Project construction phase and for five years of Project operations, unless an extended term is agreed to by parties.</p>
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The Tłıchǰ All-Season Road Corridor Working Group (CWG) was formed in May 2019. It is made up of representatives from the following interested parties:</p> <ul style="list-style-type: none"> • The Tłıchǰ Government • Yellowknives Dene First Nations • North Slave Métis Alliance • Prince of Wales Northern Heritage Centre • Community Government of Whatì • Community Government of Behchokò • Wek'èezhì Renewable Resources Board • Wek'èezhì Land and Water Board • Environmental and Natural Resources • Department of Lands • Department of Infrastructure • Department of Finance • Fisheries and Oceans Canada • Environment and Climate Change Canada • North Star Infrastructure • Mackenzie Valley Environmental Impact Review Board (New addition) <p>At their request, the Mackenzie Valley Environmental Impact Review Board has been added to the list of interested parties for subsequent meetings.</p> <p>The CWG met on June 16, 2021, and on December 15, 2021, respectively. The final meeting minutes are yet to be uploaded onto the WLWB's public registry. Another meeting was held on June 13, 2022, and the second meeting for 2022 is scheduled for December 7, 2022. INF is currently taking steps to upload all previous meeting minutes to its website as well. In response to issues arising from the June 13, 2022, meeting, INF intends to amend and update the CWG Terms of Reference to address the issues.</p> <p>b) No change from the 2019-2020 response.</p>		<p>This measure is directed to the developer, reporting under Measure 14-1</p> <p>a) The Tłıchǰ All-Season Road Corridor Working Group (CWG) was formed in May 2019. It is made up of representatives from the following interested parties:</p> <ul style="list-style-type: none"> • The Tłıchǰ Government • Yellowknives Dene First Nations • North Slave Métis Alliance • Prince of Wales Northern Heritage Centre • Community Government of Whatì • Community Government of Behchokò • Wek'èezhì Renewable Resources Board • Wek'èezhì Land and Water Board • Environmental and Climate Change • Department of Lands • Department of Infrastructure • Department of Finance • Fisheries and Oceans Canada • Environment and Climate Change Canada • North Star Infrastructure • Mackenzie Valley Environmental Impact Review Board (New addition) <p>At their request, the Mackenzie Valley Environmental Impact Review Board has been added to the list of interested parties for subsequent meetings.</p> <p>The second meeting for 2022 was held on December 7, 2023 in Yellowknife. As a result of issues arising from June 13, 2022 meeting, the CWG Terms of Reference (ToR) has been revised to include updates from Health and Social Services on Socio-Economic impacts of the project on the Community. The ToR has also been revised to hold the meetings only in the Communities, alternating between Whatì and Behchokò moving forward. The Meeting Minutes for June 13, 2022 can be found here and that of December 7, 2022 can be found here.</p> <p>b) No change from the 2019-2020 response.</p>

MEASURE		MEASURE SPECIFICS
Adaptive management, follow-up, and monitoring		
Measure 14-4	P3 operator agreement	To ensure that all applicable and relevant commitments of the developer and measures directed at the developer are carried out during the construction and operation phases of the Project, the developer will formalize and include these commitments and measures in its final contract with the P3 operator.
DESCRIPTION OF HOW MEASURE IS BEING SATISFIED and UNDER WHICH MEASURE (14-1 or 14-2) THE REPORT IS BEING MADE		
2021-2022 DETAIL ON MEASURE PROGRESS		2022-2023 DETAIL ON MEASURE PROGRESS
This measure is directed to the developer, reporting under Measure 14-1 The reporting details for Measure 14-4 remain identical to last year's report .		This measure is directed to the developer, reporting under Measure 14-1 The reporting details for Measure 14-4 remain identical to last year's report .

Various Acronyms: Developer = GNWT-INF with NSI (P3 Contractor) where applicable GNWT = Regulatory Authority/Responsible Minister DFO = Fisheries and Oceans Canada ECC = Environment and Climate Change ECCC = Environment and Climate Change Canada ENR = GNWT – Environment and Natural Resources INF = GNWT – Infrastructure TCSA = Tłıchq Community Services Agency NBAC = National Burn Area Composite CNFDB = Canadian National Fire Database	REA = Report of Environmental Assessment TK = traditional knowledge WLWB = Wek'èezhì Land and Water Board WMMP = Wildlife Management and Monitoring Plan GNWT = Government of Northwest Territories MACA = Municipal and Community Affairs HSS = Health and Social Services CGW = Community Government of Whatì TIC = Tłıchq Investment Corporation	AE = Associated Engineering YKDFN = Yellowknives Dene First Nation TG = Tłıcho Government NSMA = North Slave Métis Alliance TASR = Tłıchq All-Season Road GAHR = Ground Ambulance Highway Rescue WRRB = Wek'èezhì Renewable Resources Board CGB = Community Government of Behchokò CIMP = Cumulative Impact Monitoring Program
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