

ENGAGEMENT - Strategy/Summary/Log

HWY4 Lithium Ltd.
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REVISION HISTORY TABLE

HWY4 Lithium Ltd is responsible for the distribution, maintenance and updating of this document. Revised versions will be provided to the Mackenzie Valley Land and Water Board for approval and circulated accordingly.

Revision #	Section(s) Revised	Description of Revision	Issue Date
0	N/A	First version	August 10, 2023
1	All	Second version	September 24, 2023
2	Added a Note Section to page 3 & updated Summary Section	Third version	October 13, 2023

STRATEGIC APPROACH TO ENGAGEMENT

The Plan:

To be inclusive and transparent.

To conduct telephone and email outreach with all affected parties to establish relationships and to discuss approach to engagement.

To utilize emails to share information on Project Description, engagement presentation, and to update parties regarding the proposed exploration activities based on engagement triggers.

To offer and conduct in-person and online presentations to all impacted parties to raise awareness of proposed exploration activities in the Akaitcho Region – Hidden Lake area.

To provide opportunities for impacted parties to ask questions and/or raise concerns.

Schedule online and/or in-person presentations based on preferred approach to engagement by individual parties.

Note:

All engagement was conducted by the Land and Community Manager, Eileen Marlowe. Initial phone calls were made to ensure interpersonal introductions and to ensure person sought is the right contact. Thereafter, the Manager followed up with emails.

Furthermore, all scheduled meetings whether in-person or online included Loyal Lithium staff: Adam Ritchie, Director, Darren Allingham, Exploration Manager, and Eileen Marlowe, apart from LKDFN's in-person meeting, Adam Ritchie was not able to participate.

KEY AUDIENCES

Primary Audience: Akaitcho Dene First Nation: Yellowknives Dene First Nation, Lutselk'e Dene First Nation, Deninu Kue First Nation, Tłıchǫ Government, North Slave Metis Alliance, Smith Landing First Nation, NWT Metis Nation and Ingraham Trail Cabin Owners and Leaseholders.

Secondary Audience: Salt River First Nation, Katlodeechee First Nation, West Point First Nation, GNWT, Federal Government, Regulators, Elected Officials, City of Yellowknife, Chamber of Mines, Chamber of Commerce, Denendeh Investments Incorporated, Mine training Society, and media.

SUMMARY OF ENGAGEMENT FOR HIDDEN LAKE PROJECT

Affected Party/ies			
Akaiicho Dene First Nations	Issues/Comments	Recommendations	Proponent Response
Yellowknives Dene First Nations: Requested in-person engagement. NDilo Chief and Council: Chief Fred Sangris Councillor: Leroy Betsina Councillor: Phillip J. Goulet Councillor: Jeff Rosnawski Councillor: Lawrence Goulet Councillor: Cecelie Beaulieu Dettah Chief and Council: Chief Ernest Betsina Councillor: Anastassia Judas Councillor: Peter Crookedhand Councillor: Mary Rose Sundberg Councillor: Rosanna Sangris Councillor: Liza Charlo-Pieper			Made request to engage. Waiting to hear back on dates after new leadership have on-boarded.
Lutselk'e Dene First Nations: In -person Engagement Chief James Marlowe Councillor Berna Catholique Councillor Mervin Abel Councillor Charlie Catholique Staff: Stella Desjarlais, Executive Assistant Staff: Andre Larabie, Senior Administration Officer Interim Measures Agreement (IMA) Coordinator: Stephanie Poole	<ul style="list-style-type: none"> Councillor made a comment about how Impact Benefit Agreements (IBAs) do not work for the first nation based on experience and will be looking for meaningful benefits to their nation. S. Poole indicated she would email a list of questions that need answers. What is the process? Will chemicals be used? How will it be transported? 	<ol style="list-style-type: none"> Provide education materials on lithium. That we (Loyal Lithium) consider inclusive planning regarding Traditional Knowledge (TK). LKDFN needs capacity funds to be involved in planning. Would like to see visuals regarding extraction process. Would like to be involved in a site visit. Would like to see employment for first nation members. 	Once we know whether we have a viable project we will consider all points under column ISSUES/COMMENTS and RECOMMENDATIONS as the project advances. We will make every effort to communicate and work with Indigenous Governments on issues raised. Responded to S. Poole's email with list of questions.
Deninu Kue First Nations: In-person Engagement (This engagement also include members from Fort Resolution Metis Council – See NWT Metis Nation section below) Sub Chief Dave Pierrot Councillor Dean McKay Councillor Bradley King Staff: Carol Ann Chaplin	<ul style="list-style-type: none"> What impact will this project have on water? How much water will be utilized? Will chemicals be used in process? How big will the site be? Will the site be an open pit? Where will the processing of material be located? How will it be transported? 	<ol style="list-style-type: none"> Would like to benefit from development in a meaningful way. Would like training opportunities. Would like to be involved in a site visit. Would like economic opportunities. IGs will need capacity funds to be involved in project planning. Would like to supply LL with Core Boxes made by DKFN. 	Once we know whether we have a viable project we will consider all points under column ISSUES/COMMENTS and RECOMMENDATIONS as the project advances. We will make every effort to communicate and work with Indigenous Governments on issues raised. We answered questions regarding environment, water use, transportation of materials, safety concerns regarding potential use of chemicals.

Akaiitcho Territory Government: In-person engagement scheduled for November 8th 2023 in Dettah. Chief Betsina Chief Sangris Chief Marlowe Chief Balsillie Annie Boucher (ATG Executive Director)			Scheduled in-person meeting in Dettah on November 8 th , 2023.
DKFN Lands and Environment Office Minnie Wimp, Manager for Lands & Environment	Reached out to Minnie early however was on leave so I dealt directly with Carol Ann Chaplin, SAO for DKFN.		
LKDFN Lands and Environment Office: Online Engagement (Teams). Tas Tsi Catholique, Manager for Lands and Environment	<ul style="list-style-type: none"> LKDFN must be involved in TK. Will be looking at employment opportunities. Training and capacity building. 	1. Recommends that we present to Wildlife Committee and to Chief & Council when time permits.	We answered questions posed by Tas Tsi. Once we know whether we have a viable project we will consider approach to project planning.
Akaiitcho Interim Measures Agreement (IMA) Office Stephanie Poole, IMA Coordinator	<ul style="list-style-type: none"> Reached out to S. Poole very early on in the process. Provided Engagement Slide Deck and Project Description. Stephanie provided a list of questions. 		We replied to S. Poole's questions through email.
YKDFN Environment Department: Online Engagement (Teams) Ryan Miller, Remediation Project Coordinator	<ul style="list-style-type: none"> Ryan provided a list of questions to our proposed project. Indicated that Eileen is doing well with engagement. 	Ryan made some recommendations.	We are working with Ryan and answering questions and response to recommendations.
YKDFN Economic Development Department: Online Engagement (Teams) Kieron Testart, Director	<ul style="list-style-type: none"> YKDFN will be looking to benefit from project. 	1. That we have further discussions once new leadership is sworn in late October 2023.	Once we know whether we have a viable project we will consider approach to project planning.
YKDFN Chief Executive Officer: Online Engagement (Teams) Gaurav Kaushish	<ul style="list-style-type: none"> Great presentation. Is interested to see how project planning moves forward. 		Once we know whether we have a viable project we will consider approach to project planning.
Deton Cho Corporation (YKDFN): Online Engagement (Teams) Mark Lewis, Chief Executive Officer	<ul style="list-style-type: none"> Great presentation. 	1. Will reschedule another meeting.	Interested in working together. A second meeting was scheduled to hear Deton Cho's presentation on services they provide.
Tłıchq Government (TG)	Issues/Comments	Recommendations	Proponent Response
Grace Mackenzie, Community Liaison Coordinator Online Engagement (Teams)	<ul style="list-style-type: none"> Suggested that we add a slide to presentation on land acknowledgement. 	1. Would like to see FN's benefit from development in a meaningful way. 2. That we should present to the Resource Management Committee when time permits, and that Grace will arrange this meeting.	We will add an acknowledgement slide to presentation. We will make every effort to communicate and work with Indigenous Governments on issues raised.
North Slave Metis Alliance (NSMA)	Issues/Comments	Recommendations	Proponent Response
Alan Alex, Manager for Lands & Environment Online and In-person Engagement	No issues identified. (Indicated that he had been engaged by various proponents and had not seen engagement conducted the way we were conducting it. Our engagement consisted of an online presentation introducing him to who we are,	1. Indicated that should his leadership require a presentation he will be notifying me, however, upon his return from holidays.	We indicated that we were available should a request come through.

	what we would like to do, how, when, and where. Alex indicated that he preferred online engagement.)		
President Mark Whitford Robert Mercredi, NSMA Member Darryl Bohnet, NSMA Member Edward Mercredi, NSMA Member Hayley Arychuk, NSMA Member John Hazenberg, General Manager Taylin Gibeault, Board of Directors Jessica Smart, Lead Conservation Officer (Env Dept) Jamie L'Heureux, Environmental Technician (Env Dept)	<ul style="list-style-type: none"> • What will the site look like? • How will rocks be transported? • Will there be tailing ponds? • How much water will be used? • What makes a project viable? • Will chemicals be used? • How will you consider reclamation? • Have you considered sensor-based sorting? • Will you be recycling water? • Will rocks be in a container? • Will you have a camp? 	1. Want to see visuals of proposed development of site and of extraction process.	Once we know whether we have a viable project we will consider approach to project planning. We answered all the questions that were asked to provide further clarity. We will make every effort to communicate and work with the Metis on issues raised.
Ingraham Trail Residents/Leaseholders	Issues/Comments	Recommendations	Proponent Response
In-person engagement conducted at the Explorer Hotel: Dana Erasmus Norma Heslip Martina Simons Jeremy ? <i>(NSMA showed up to this meeting at the Explorer Hotel)</i> President Mark Whitford Robert Mercredi, NSMA Member Darryl Bohnet, NSMA Member Edward Mercredi, NSMA Member Hayley Arychuk, NSMA Member John Hazenberg, General Manager Taylin Gibeault, Board of Directors Jessica Smart, Lead Conservation Officer (Env Dept) Jamie L'Heureux, Environmental Technician (Env Dept)	<ul style="list-style-type: none"> • What will the site look like? • How will rocks be transported? • Will there be tailing ponds? • How much water will be used? • What makes a project viable? • Will chemicals be used? • How will you consider reclamation? • Have you considered sensor-based sorting? • Will you be recycling water? • Will rocks be in a container? • Will you have a camp? 	1. Want to see visuals and education materials of proposed development of site and of extraction process.	Once we know whether we have a viable project we will consider approach to project planning. We answered all the questions that were asked to provide further clarity. We will make every effort to communicate and work with residents on issues raised.
NWT Metis Nation (NWTMN)	Issues/Comments	Recommendations	Proponent Response
Fort Resolution Metis Council: In-person Engagement President Arthur Beck Shawn Mckay, Manager for Environment & Lands Councillor Tammy Hunter Councillor Ron Beaulieu Councillor Teegan Larocque Councillor Melvin Mandeville	<ul style="list-style-type: none"> • What impact will this project have on water? How much water will be utilized? • Will chemicals be used in process? • How big will the site be? • Will the site be an open pit? • Where will the processing of material be located? • How will it be transported? 	1. Would like to benefit from development in a meaningful way. 2. Would like training opportunities. 3. Would like to be involved in a site visit. 4. Would like economic opportunities. 5. IGs will need capacity funds to be involved in project planning.	Once we know whether we have a viable project we will consider all points under column ISSUES/COMMENTS and RECOMMENDATIONS as the project advances. We answered questions posed. We will make every effort to communicate and work with Metis on issues raised.
NWTMN Board of Directors: Online Engagement (Teams) NWTMN President Garry Bailey FRMG President Arthur Beck HRMG President Trevor Beck	<ul style="list-style-type: none"> • NWTMN has traditional harvesting rights in the Akaitcho region and in the Hidden Lake area, and this area is subject of the NWTMN Land Claim negotiations process. 		Once we know whether we have a viable project we will consider approach to project planning.

FSMC President Alan Heron Chief Negotiator Jake Heron Legal Counsel Darwin Hanna & Chaslynn Gillanders Land Side Table Representative Ron Yaworsky	<ul style="list-style-type: none"> Will need capacity funds to participate in process. NWTMN needs to be involved in an in-depth way. NWTMN has agreements with other exploration companies. These agreement outline benefits. NWTMN would need to be involved in TK studies. Would be interested in collaboration agreements. NWTMN would be interested in further discussions. Darwin Hanna to reach out to have further discussions. 		We will make every effort to communicate and work with Metis on issues raised.
Smith Landing First Nations	Issues/Comments	Recommendations	Proponent Response
Chief Paulette Becky Koska, Manager for Lands and Environment	Smith Landing First Nation residents are currently experiencing a crisis with forest fires near the community of Fort Smith for most of the summer. Will engage once the situation permits for good engagement, even after we submit our application to MVLWB.		
Salt River First Nations	Issues/Comments	Recommendations	Proponent Response
Jeff Fraser, Manager for Lands and Environment	Declined engagement.		
Katlocheeche First Nations	Issues/Comments	Recommendations	Proponent Response
Peter Redvers, Negotiator for KFN	Declined engagement.		
West Point First Nations	Issues/Comments	Recommendations	Proponent Response
John Sexsmith, Consultant for WPFN	Declined engagement.		

LOYAL LITHIUM ENGAGEMENT LOG

Yellowknives Dene First Nation (YKDFN)

Date	Engagement Trigger #	Outreach	Purpose	Message/Response
April 17, 2023	1	Emailed kick off letter to Kieron Testart, Economic Dev. Mgr for YKDFN	Introductions to Loyal Lithium and to proposed project.	No response.
May 29, 2023	1	Called Ryan Miller twice, Regulatory Specialist Ryanm@ykdene.com	Request a meeting to discuss engagement	Left message to call me back. Ryan did call me back; however, I missed the call and he did not leave message.
May 30, 2023	1	Called Ryan Miller	To request a meeting.	I missed Ryan's call.
May 31, 2023	1	" "	" "	Ryan called me back and we scheduled a meeting for June 6 th 2023 however, he was not able to keep appointment.
June 7, 2023	1	Called Ryan Miller	To meet and arrange a meeting.	Left a message for Ryan to call me.
June 12, 2023	1	Dropped in to meet with Ryan	To see if Ryan received my email.	He indicated that he received my email but has not replied.

Date	Engagement Trigger #	Outreach	Purpose	Message/Response
June 13, 2023	1	Followed up with Ryan by email	To see if there were any additional details Ryan would like for an Akaitcho Exploration Agreement.	Ryan did not respond to my email.
June 26, 2023	1	Email to Ryan, Kieron, Adrian	Requested meeting to go over Engagement presentation	Kieron replied to my email indicating that Ryan is the lead. However, he would be interested in meeting with us to go over proposed project.
June 27, 2023	1	Email to Ryan and cc'd Kieron and Adrian	Requested a meeting with Ryan again.	Ryan did not answer however Kieron replied and indicated his availability for July 6 th or 7 th .
June 28, 2023	1	Replied to Kieron, cc'd Ryan and Adrian	Confirm date for online engagement for July 10 th .	Agreed to do July 10 th however Kieron changed meeting date to July 12 th .
June 30, 2023	1	Emailed Ryan, Adrian, and cc'd Kieron	Sent Ryan an email with Engagement slide deck and requested meeting to introduce our proposed project	No response from Ryan.
July 4, 2023	1	Emailed Kieron, Ryan, and Adrian	To cancel engagement for July 7, 2023	Rescheduling online engagement.
July 4, 2023	1	Ryan emailed me	To notify me of his availability	Available July 10 or 11 th , 2023 at 9 am.
July 5, 2023	1	Kieron email me	To notify me that he is NOT available.	Kieron let me know he was only available on July 12 th .
July 5, 2023	1	Ryan emailed me to	Let me know that he will make himself available on July 12 th at 9 am.	I emailed a scheduler to confirm July 12 th at 9 am online engagement with slide deck.
July 12, 2023	1	Online meeting via Google	Provide presentation on slide deck for engagement.	Ryan Miller and Kieron were online for presentation. Ryan indicated that slide deck introducing project was good. He also indicated that we were asking some good questions for clarity.
July 17, 2023	1	Emailed Ryan Miller	Looking to get archaeology and TK going for project. Seeking Ryan's input to approach.	No response.
July 17, 2023	1	Phoned Ryan Miller	Left Ryan a message to call me back as I am trying to get a sense of approach to Archaeology and TK Process.	No response.
July 19, 2023	1	Called Lena Black, Assistant CEO	To discuss arranging a presentation with her and her CEO as we are also engaging other seniors leaders in other organizations.	She suggested I email Gaurav Kaushish, her CEO and she provided his contact information. I emailed both of them and offered them a presentation on our proposed project.
July 21, 2023	1	Emailed Gaurav Kaushish, YKDFN CEO and his assistant CEO Lena Black	To determine whether they will be available for in person presentation.	I notified them that we are also engaging senior leaders within governments, chamber of mines and commerce, etc.
July 21, 2023	1	Ryan Miller emailed me.	To respond to our Project description, to ask questions	Ryan provided a detailed response.
July 24, 2023	1	Emailed Gaurav Kaushish	To send him the link to our meeting.	Presentation was inform Gaurav as he is YKDFN CEO and he recently started his new position.
August 4, 2023	1	Called Ryan Miller, Manger for Lands and Environment	To see if he is available for a call to go over our responses to his questions.	No Response.
August 8, 2023	1	Emailed Ryan Miller	To see if he is open to online discussion to go over our responses.	No Response.
September 11, 2023	1	Received call from Ryan Miller	Ryan indicated that he will be emailing MOU by September 20, 2023	
September 21, 2023	1	Emailed YKDFN Chiefs EA's Melissa Mackenzie & Delores Lacorne	Requested to meet with YKDFN Leadership in early to mid November 2023	
September 22, 2023	1	Received email from Ryan Miller	Indicating that he will send an MOU by end of September if not early October.	

Date	Engagement Trigger #	Outreach	Purpose	Message/Response
September 24, 2023	1	Emailed Ryan Miller	To provide him a draft copy of our engagement strategy/summary/log	
October 7, 2023	1	Emailed Ryan Miller	Requested a TK Advisor from YKDFN for Archeology Field Work.	Ryan responded on October 12, 2023, and provided name of TK Advisor and we are working through coloration.

Akaitcho Interim Measures Office (IMA)

Date	Engagement Trigger #	Outreach	Purpose	Message/Response
April 18, 2023	1	Emailed kick off letter to Stephanie Poole, IMA coordinator for Akaitcho Territory Government	To introduce Loyal Lithium and proposed project.	
May 31, 2023	1	Called S. Poole Screening Officer 867-785-2217 (cell) screeningofficer@eastarm.com	Introduce myself in new position & inquire about Akaitcho Mineral Exploration Guideline & Agreement Template	Stephanie Poole will be emailing Eileen a copy of the Akaitcho Mineral Exploration Guideline.
May 31, 2023	1	Emailed S. Poole	To follow up on phone call and to ensure she has me email address. Also to discuss approach to engaging Akaitcho region.	No response to email.
June 2, 2023	1	S. Poole emailed me	To send me the Akaitcho Exploration Agreement.	She also notified me to also reach out Tas-Tsi the Wildlife Manager for LKDFN and all other Akaitcho IGs.
June 5, 2023	1	Emailed S. Poole	To discuss documents, she had sent.	No response. She was on annual by this point and indicated she would be off work till June 27, 2023.
June 9, 2023	1	Called S. Poole	To discuss Akaitcho Exploration Agreement.	Talked to S. Poole however she indicated was on vacation till end of June 2023.
June 26, 2023	1	Emailed S. Poole IMA Screening Officer & Tsat Tsi LKDFN Manager of Environment & Lands	To Provide presentation on project and approach to engagement	Tsat Tsi accepted online meeting however S. Poole did not.
June 29, 2023	1	S. Poole emailed me	To register mineral claim with IMA Office	Provide project description, maps, work to date in slide deck for engagement.
June 30, 2023	1	Emailed S. Poole	To send her the Engagement slide deck to see if she is interested a presentation.	No response from S. Poole.

Date	Engagement Trigger #	Outreach	Purpose	Message/Response
August 10, 2023	1	Emailed S. Poole	Responding and answering some of her questions regarding project.	

Lutselk'e Dene First Nation (LKDFN)

Date	Engagement Trigger #	Outreach	Purpose	Message/Response
April 18, 2023	1	Emailed kick off letter to Tas Tsi Catholique, Lands and Environment Manager for LKDFN	To introduce Loyal Lithium and proposed project.	No response.
May 31, 2023	1	Called 867 370-3820 ext. 10001 Lands & Environment LKDFN	To discuss approach to engagement	Left message for Tas Tsi to call me back.
May 31, 2023	1	Tsat Tsi called me back	To discuss briefly approach to engagement	Tsat Tsi indicated that they do have traditional use in the Hidden Lake area and that they typically request that mining companies engage the community, leadership directly and in person. He indicated that we would have to set a presentation date with him first, next step is to present to their Wildlife Committee, and then we would then present to his Chief and Council.
June 26, 2023	1	Emailed S. Poole and Tas – Tsi	To offer them a presentation on our proposed project. I emailed them our slide deck that introduces them to our proposed project.	No response.
June 28, 2023	1	Tas – Tsi emailed me back.	To arrange an online presentation.	Trying to pick a date to do online presentation.
June 30, 2023	1	Tas – Tsi emailed me	To let me know that he is sick with flu.	Trying to schedule for another day.
July 4, 2023	1	Emailed Tas – Tsi	To schedule a meeting date.	We settled on July 10, 2023 @ 10:00 am
July 10, 2023	1	Online meeting with LKDFN Rep Tas-Tsi (lands and environment Manager)	To provide presentation on engagement slide deck which explains who we are and what our proposed project details (initial phases)	Tas-Tsi indicated that he would like us to meet and present our project to the Wildlife Committee and to LKDFN leadership. He also indicated he would let us know when the next opportunity will engage his leadership and the Wildlife Committee.
July 13, 2023	1	Called Chief Marlowe directly on cell.	To discuss engagement with his council.	Chief Marlowe suggested I deal with his EA as she controls his schedule. He indicated that he would give her notice to call me.
July 13, 2023	1	Called Chief Marlowe's EA	To discuss engagement.	Left message for Susan Catlin EA, to call me back.
July 13, 2023	1	Called Chief Marlowe's EA	To discuss engagement.	Spoke with Susan to determine timeframe to engage and she indicated that the best time would have to be after the Spiritual gathering in August. I indicated that I wanted to coordinate meeting with Chief and Council with Wildlife Committee presentation on same day as we would have to fly in to conduct two presentations.
July 14, 2023	1	Tas Tsi emailed to let me know that August 15 th at 11 am would work	Set date to present to the Wildlife Committee in Lutselke.	Agreed to travel to Lutselke to conduct in person presentation on our slide deck re: proposed project.

July 14, 2023	1	Emailed Chief's Executive Assistant Susan Catlin	To determine whether August 15 th at 1:30 pm to present in person.	No response from Chief's EA yet as they are attending the Dene Nation Annual Gathering in Fort Fitzgerald.
July 31, 2023	1	Called Chief Marlowe	To determine date for in person presentation of proposed project.	Booked August 2 nd , 2023 at 7 pm.
August 2, 2023	1	In person engagement in Lutselke	To present proposed project.	Met with leadership and they wanted to know more information on lithium, to be included in planning, to benefit from project if it is viable, IBA's are not a standard to follow as they are not beneficial to IGs, flexibility to employment, receive regular updates, need capacity to be involved in TK with respect to project. LKDFN council and staff in attendance: Chief James Marlowe, Charlie Catholique, Mervin Abel, Berna Catholique, Stella Desjarlais, SAO Band Manager, and Stephanie Poole.
August 8, 2023	1	Emailed Lands Manager for LKDFN Tas Tsi	To determine when to present to their Wildlife Committee	No response.
August 10, 2023	1	Received email from Tas Tsi	To provide me a timeframe of August 21 st for possible WLC online presentation.	Waiting to hear from Tas Tsi. Due to evacuation, this meeting never took place.
September 20, 2023	1	Received email from Tas Tsi	To schedule online presentation in first two weeks of October for the Wildlife Committee.	I told Tas Tsi, I may be on duty travel. Will pick a date closer to end of October 2023.

Deninu Kue First Nation (DKFN)

Date	Engagement Trigger#	Outreach	Purpose	Message/Response
April 18, 2023	1	Emailed Minnie Wimp, Lands Manager for DKFN	To introduce Loyal Lithium and proposed project.	No response.
June 26, 2023	1	I emailed Minnie Wimp, Manager of Lands and Environment and Carol Ann Chaplin the SAO.	To invite to an online presentation of our engagement.	No response.
June 27, 2023	1	I phoned Minnie, Manager for Lands and Environment	To discuss engagement.	I left a message for Minnie to call me back. No response.
June 27, 2023	1	I phoned Minnie, Manager for Lands and Environment	To discuss engagement.	I left a message for Minnie to call me back. No response.
June 30, 2023	1	I emailed both Minnie and Carol Ann	To officially introduce intent of exploration activities by emailing a copy of our engagement slide deck.	No response.
July 4, 2023	1	I phoned Minnie, Manager for Lands and Environment	To discuss engagement.	I left a message for Minnie to call me back. No response.
July 10, 2023	1	I emailed Minnie and Carol Ann	To verify that they have received my emails and to get confirmation of whether they would like to be engaged.	
July 10, 2023	1	Carol Ann emailed me back.	To notify me that Minnie is in fact out of the office until July 14 th .	I replied by notifying them that I was in the middle of planning engagement with Fort Resolution Metis Council for July 27 th in Fort Resolution.

Date	Engagement Trigger#	Outreach	Purpose	Message/Response
July 13, 2023	1	I emailed Minnie and Carol Ann	To see if DKFN Chief and Council are available for a presentation on our exploration activities.	
July 17, 2023	1	I phoned Minnie, Manager for Lands and Environment	To discuss engagement.	No response.
July 17, 2023	1	I emailed Minnie and Carol Ann	To see if either of them were available to discuss engagement.	Carol Ann replied to notify me that Minnie would NOT be in office until further notice and that Kelsey would be available to work with me to determine a date to meet with Chief and Council. Received phone call from Kelsey and I shared a copy of the slide deck with her.
July 17, 2023	1	Kelsey emailed me	To notify me of the list of meeting costs for a meeting to be held on July 27 th at 5 pm.	I emailed back to Kelsey to confirm our availability for a meeting on July 27 at 5 pm. I also notified her that we were also meeting with Fort Resolution Metis Council at 6:30 pm.
July 27, 2023	1	BOOKED TO ENGAGE DKFN LEADERSHIP		
August 1, 2023	1	In person presentation in Fort Resolution	To provide introduction of exploration activities to DKFN and FRMC leadership	Met with Leadership from both IGs and the message was clear: Indigenous inclusion is a must in planning and IGs must also benefit from development meaningfully. Questions around the environment and waster came up more specifically around use of water in process. How much water will be utilized. People wanted to know whether chemicals will be used and what the proposed site would look like. DKFN leadership in attendance: Sub Chief Dave Pierrot, Bradly King, Dean Mckay, and Carol Ann Chaplin.

Smith Landing First Nation (SLFN)

Date	Engagement Trigger #	Outreach	Purpose	Message/Response
June 29, 2023	1	Called Becky Kostka, Manager of Lands and Resource at Smith Landing First Nation office. 872-4950	Discuss engagement.	No answer.
June 29, 2023	1	Called Becky Kostka, Manager of Lands and Resource at Smith Landing First Nation office. 872-4950	Discuss engagement.	Spoke to reception and she provided Becky's office number 872-5656.
June 29, 2023	1	Called Becky K. Manager of Lands and Resource at Smith Landing First Nation office. Called her office at her office at 872-5656.	To discuss engagement.	No one answered and I could not leave a message as her voicemail was full.
June 29, 2023	1	Called Becky K. a second time on this day, Manager of Lands and Resource at Smith Landing First Nation office. Called her office at 872-5656.	To discuss engagement.	No one answered and I could not leave a message as her voicemail was full.
June 29, 2023	1	Called Becky K. a third time on this day, Manager of Lands and Resource	To discuss engagement.	No one answered and I could not leave a message as her voicemail was full.

		at Smith Landing First Nation office. Called her office at 872-5656.		
July 6, 2023	1	Called Becky Kostka, Manager for Lands and Resource at Smith Landing First Nation at her office 872-5656.	To discuss engagement.	Could not leave a message as her voicemail was still full.
July 6 2023	1	Called the main office Smith Landing First Nation to reach Becky Kostka, Lands Manager 872-4950.	To make contact with Becky and discuss engagement.	Left a message with reception. No response back.
July 6, 2023	1	Called Becky at Smith Landing First Nation office 872-4950.	To make contact with Becky and discuss engagement.	Spoke with reception to see if Becky is at work. Reception indicated she is at work.
July 6, 2023	1	Emailed Becky Kostka, Lands Manager and Chief Paulette	Offer introduction to proposed project. I emailed them our slide deck for proposed project.	No response.
July 7, 2023	1	Emailed Becky and Chief	I sent a slide deck on July 6, 2023, that had minor font errors so I emailed another slide deck without errors still asking whether they would like a presentation on our proposed project.	No response.
July 10, 2023	1	Called Becky at 872-5656	Discuss engagement.	No one answered. Could not leave a message as her voicemail was full.
July 10, 2023	1	Called Becky at the Smith Landing First Nation main office 872-4950	Discuss engagement.	Left a message with reception to get Becky to call me back. She never called me back.
July 17, 2023	1	Emailed Becky Kostka and Chief Paulette	I had indicated that I have been trying to get a hold of Becky by phone and by email and have not been having any luck reaching her. I asked in my email if they were declining my invite to a presentation our proposed project.	Becky responded quickly and indicated that she has been very busy with planning the Dene Nation Assembly and concerned with forest fires near Fort Smith. She asked if we had capacity funds to engage them. I indicated that I did not think that the engagement I was doing warranted capacity funds. I indicated that I only need one hour to present our slide deck. I suggested an online presentation for July 25 th at 11 am however, she indicated that she has not had a day off in 55 days and declined engagement on July 25 th . She indicated that she would check with her team for a suitable date.
July 31, 2023	1	Emailed Becky and Chief Paulette	To determine when to conduct online engagement of our slide deck presentation.	No response.
August 4, 2023	1	Emailed Becky and Chief Paulette	To determine date and time to meet	No response to date. Will engage once the fire season is over. The community has experience crisis with fires close to their community.
August 11, 2023	1	Emailed Becky and Chief Paulette	To notify them that I will re-engage in late September 2023 due to fires close to community of Fort Smith and Thebacha.	

Tłı̨chq̨ Government (TG)

Date	Engagement Trigger#	Outreach	Purpose	Message/Response
April 18, 2023	1	Emailed kick off letter to Grace Mackenzie, Community Liaison for Tlı̨cho Government	To introduce Loyal Lithium and proposed project.	No response.

Date	Engagement Trigger#	Outreach	Purpose	Message/Response
May 31, 2023	1	Texted Grace Mackenzie, Community Liaison	To discuss engagement	We decided to meet and discuss approach to engagement on June 2, 2023.
June 2, 2023	1	Met with Grace at her office	Introduced myself in new role.	Grace indicated that we would have to present to the Resource Management Committee (WRC) and that potentially there would be a meeting at the end of June 2023. I requested to be added to the list presenting to WRC.
June 26, 2023	1	Texted Grace	To see if the WRC is meeting	WRC is not meeting and has been pushed forward however a date was not determined.
June 26, 2023	1	Emailed Grace & Lands Manager	Requesting to meet to discuss engagement.	No online response.
June 27, 2023	1	Texted Grace	To schedule online meeting & presentation on engagement slide deck.	Grace responded. We arranged an online call.
June 27, 2023	1	Emailed Grace	Link to Teams meeting to provide presentation on project	
June 28, 2023	1	Online presentation with Grace	Provide overview of our proposed project.	Met with Grace online. After presentation she indicated that we should add an additional engagement trigger to notify residents along Ingraham Trail of when we use helicopter.
June 28, 2023	1	Emailed Grace my meeting notes	Transparency.	She did not reply or resist my notes.
June 30, 2023	1	Emailed Grace	Provide Grace with a copy of the Engagement Slide Deck	Grace had requested a copy of the slide deck at online meeting previously. I also made second request to engage their WRC at next opportunity. Have not heard from Grace about when WRC will meet next.
August 4, 2023	1	Emailed Grace	To determine when the RMC will be meeting next and whether we can present to them.	No need to engage RMC as per Grace's input.
September 22, 2023	1	Email from Grace	No further dialogue unless TG requests engagement.	Closing dialogue.

Salt River First Nation (SRFN)

Date	Engagement Trigger#	Outreach	Purpose	Message/Response
July 6, 2023	1	Phoned Jeff Fraser, Manager of Lands and Environment	To see if Salt River First Nation would like to be engaged on our proposed project.	He indicated that likely not but will get back to me.
July 6, 2023	1	Emailed Jeff	To put in email my request to see if SRFN would like to be engaged.	
July 7, 2023	1	Jeff emailed me back	To notify me that he will be polling his leadership to see if they are interested.	No response.
July 17, 2023	1	I emailed Jeff	To get an update.	Jeff replied to let me know that his leadership are away and that he is declining engagement.
July 17, 2023	1	I emailed Jeff	To thank Jeff and notify him that I view his response as formally confirming and declining engagement.	No response. Closing dialogue.

North Slave Metis Alliance (NMSA)

Date	Engagement Trigger#	Outreach	Purpose	Message/Response
April 18, 2023	1	Emailed kick off letter to Noah Johnson, Environmental Manager for NSMA	To introduce Loyal Lithium and proposed project.	No response.
May 31, 2023	1	Called and left message for Noah Johnson, Environment Manager 867-873-6262	To meet and discuss approach to engagement	Left message for Noah Johnson to call me back. No response from Noah.
June 26, 2023	1	Called Noah	To discuss engagement	Noah was not available however I managed to talk to Alan Alex, the Environmental Officer. Alex and I discussed engagement, and he suggested an online meeting.
June 26, 2023	1	Emailed Alan Alex, cc'd Noah	To provide link to online meeting	
June 27, 2023	1	Online meeting with Alex only.	Introduce Alex to our project.	Noah was not able to make meeting however Alan Alex was available. Adam and I went through the slide deck for engagement. Alan indicated that the presentation was detailed and transparent. Something he has not seen before with any other Junior Mining companies engaging him. He requested a copy of our slide deck and indicated that he may request another online meeting with other staff at NSMA. Have not heard back from Alan to date.
July 24, 2023	1	<p>In person introduction to project at the Explorer Hotel</p> <p>In attendance: President Mark Whitford Robert Mercredi, NSMA Member Darryl Bohnet, NSMA Member Edward Mercredi, NSMA Member Hayley Arychuk, NSMA Member John Hazenberg, General Manager Taylin Gibeault, Board of Directors Jessica Smart, Lead Conservation Officer (Env Dept) Jamie L'Heureux, Environmental Technician (Env Dept)</p>	NSMA leadership showed up at the meeting for Ingraham Trail cabin owners and lease holders.	See summary for NSMA.

NWT Metis Nation (NWTMN)

Date	Engagement Trigger#	Outreach	Purpose	Message/Response
May 31, 2023	1	Called and left message for Shawn Mackay Environment Manager for (Fort Resolution Metis Council Office) subsidiary of NWT Metis Nation	To meet and discuss approach to engagement	Left message for Shawn Mckay to call me back.
June 28, 2023	1	Emailed Lorne Napier, Manager of Lands for NWTMN	Seeking clarity on whether NWTMN would like to be engaged work exploration activities within the Akaitcho Region – Chief Drygeese Territory.	No response.
June 28, 2023	1	Called and left message for Shawn Mackay Environment Manager	Discuss engagement.	Left message however Shawn has not called back.
July 5, 2023	1	Emailed Shawn Mackay & Arthur Beck	To Introduce to proposed project	I emailed our Engagement Slide deck and requested a meeting.
July 5, 2023	1	Emailed Loren Napier - Lands Manager for NWT Metis Nation (Fort Smith Office)	To determine whether they would like to be engaged for work within Chief Drygeese Territory within Akaitcho Territory.	No response.
July 7, 2023	1	Shawn emailed me back	To notify me that FRMG leadership recommends in person meeting	He was also wanting to know the timeframe for a meeting.
July 7, 2023	1	I called Shawn Mackay	To suggest July 26 th a meeting date.	Shawn will canvas leadership to see if July26th works. I also suggested that if an in person is not possible on the 26 th then an online meeting is also good.
July 7, 2023	1	I emailed Shawn Mackay and President Beck	To indicate that we could make ourselves available on July 26 th .	Wanted to seek their input.
July 7, 2023	1	Shawn Mackay emailed me	To notify me he must canvas his leadership.	
July 7, 2023	1	I emailed Shawn Mackay and President Beck	To explain rationale behind the proposed date of July 26 th .	No response.
July 11, 2023	1			
July 11, 2023	1	Shawn called me	To notify me that his leadership are available on July 27 th	He indicated he would email meeting costs. I indicated that I would work with my Director to determine if that day works and that I would email him back with response.
July 11, 2023	1	Shawn emailed me	Notify me of meeting costs to engage.	The July 27th date at 6:30 pm will work for the FRMG to meet with Loyal Lithium. Worked with Shawn to determine engagement costs.
July 11, 2023	1	Sent meeting google invite to Shawn Mackay	Engagement Tracking	Meeting set for July 27 th at 6:30 pm.
July 12, 2023	1	I emailed Shawn Mackay	To suggest not to record meeting as he previously indicated on the phone that he was recording first meeting.	I indicated it would restrict openness in dialogue.
July 13, 2023	1	Shawn Mackay emailed me	To notify me he will not record meeting.	He provided clarity that the sound system was so that folks online would hear better to in person conversations and dialogue.
July 13, 2023	1	I replied to Shawn Mackay	Thanking him.	

Date	Engagement Trigger#	Outreach	Purpose	Message/Response
July 13, 2023	1	Emailed Loren, Lands Manager and the President Garry Bailey	Following up on whether NWTMN would like a presentation on our proposed project.	Asked whether NWTMN would like to be engaged on our proposed project.
July 13, 2023	1	President Bailey emailed me back.	Provide clarity.	Indicated that he was travelling week of July 17, 2023.
July 14, 2023	1	I emailed President Bailey	To determine if was declining offer to our engagement presentation.	Loren replied to inform me that he was available on the following Tuesday am however, this timeframe did not work for other NWTMN leadership
July 14, 2023	1	Lorne Manager of Lands replied.	To suggest a meeting on July 18 at 10 am.	
July 14, 2023	1	President Bailey replied	To make a suggestion.	To move meeting to another day when he is available.
July 14, 2023	1	I emailed President Bailey back.	Suggestion.	I replied by asking for them to suggest some dates.
July 14, 2023	1	Lorne replied	Notify me that he needs to clarify meeting attendees before scheduling.	Will wait to hear what all Presidents say. I replied by proposing an online meeting. I also notified that I had been reaching out to Fort Resolution Metis and that I had already booked a meeting with them already for July 27 th in Fort Resolution.
July 17, 2023	1	I emailed Shawn Mackay	To make a change to meeting time to 6:30 pm	As we are also meeting with DKFN on July 27 at 5 pm.
July 18, 2023	1	I emailed all the Metis Presidents including some of their senior staff negotiations, legal rep, and their strategist, including Lorne.	To propose an online meeting with all of them on July 28 at 1 pm MST.	I indicated the presentation would take up to one hour.
July 18, 2023	1	I sent a meeting invite to all NWTMN leadership and senior leaders	To an online meeting July 28 th 2023 at 1 pm.	I had three positive replies and no rejection to date and time from anyone. Cancelled due to death in community.
July 17, 2023	1	Texted Shawn	To see we can move meeting to 6:30 pm	No response.
July 17, 2023	1	Called Shawn	To see if we can move meeting to 6:30 pm from 6 pm	No response.
July 26, 2023	1	Received email from Carol Ann and Shawn	To notify me of new date to engage.	August 1 st , 2023 booked to present to DKFN and FRMC.
July 31, 2023	1	Emailed Ron Y., Garry Bailey, and Loren Napier	To determine dates and times for proposed online engagement	No response.
August 1, 2023	1	In person engagement in Fort Resolution	To meet with FRMC and DKFN at same meeting.	Met with leadership and it was clear they want to be included and benefit from development in a meaningful way. It was noted that exclusive approach to planning by previous developers will not be supported. Indigenous inclusion with meaningful benefits is a must. To support project, they will need funds for capacity, want opportunities to provide support to site, will want a data sharing agreement drawn up, would like a site visit, employment opportunities, and would like economic development opportunities. FRMC members in attendance: Arthur Beck, Shawn Mackay, Tammy Hunter, Ron Beaulieu, Teegan Larocque, and Melvin Mandeville.
August 4, 2023	1	Emailed Ron Y., Garry Bailey, & Loren Napier	To determine when Fort Smith Metis and Hay River Metis are available to meet online re: project	Responded. Trying to determine date to do online engagement.
August 10, 2023	1	Scheduled online meeting with: NWTMN Board of Directors	To provide introduction to proposed exploration project at Hidden Lake outside of YK.	Good presentation. Will need further discussions as project advances should it be viable.

Date	Engagement Trigger#	Outreach	Purpose	Message/Response
		NWTMN President Garry Bailey FRMG President Arthur Beck HRMG President Trevor Beck FSMC President Alan Heron Chief Negotiator Jake Heron Legal Counsel Darwin Hanna & Chaslynn Gillanders, Land Side Table Representative Ron Yaworsky		Darwin Hanna, NWTMN legal rep will be in touch at later date.
August 17, 2023	1	Darwin Hanna emailed	Regarding engagement summary comments.	See Summary.
August 25, 2023	1	Letter from President Garry Bailey	Letter dated August 25, 2023 speaking to consultation and involvement in process.	

Katlodeechee First Nations (KFN)

Date	Engagement Trigger#	Outreach	Purpose	Message/Response
July 10, 2023	1	Emailed Peter Redvers, KFN Negotiator	To introduce KFN to our proposed project.	No response.
July 31, 2023	1	Emailed Peter Redvers, KFN Negotiator	To determine if KFN wants a presentation on our project.	Peter responded and declined presentation.

West Point First Nation (WPFN)

Date	Engagement Trigger#	Outreach	Purpose	Message/Response
July 31, 2023	1	Called West Point First Nation	To determine if they want a presentation on our project.	Was directed to contact John Sexsmith, Lands manager for West Point First Nation. John would review and get back to me.
July 31, 2023	1	Emailed John Sexsmith, Lands manager for WPFN	To review Project description	Declined Engagement.

MVLWB/GNWT/Federal Gov't/Northern Heritage Centre/other

Date	Outreach	Purpose	Message/Response
May 31, 2023	Called MVLWB Tyree Mullaney, Regulatory Specialist	Inquire about hard copies of LUP Guideline	Online only.
June 1, 2023	GNWT Lands	Inquired about assistance to notify lease holders	Amanda Hebert will get back to me with contact.
" "	PWNHC	Inquire about applying for an archeology permit	Called 867-873-7688 and left a message.
June 5, 2023	GNWT Clint Ambrose	Land Use Permit Application process	Talked to Clint briefly and emailed him a request to meet to discuss LUP application process. He will reply this afternoon.
June 5, 2023	PWNHC Tom Andrews		Left Tom a message to call me back to discuss Archeology Permits.
June 6, 2023	Met in person with C. Ambrose	Discuss engagement and his expectations around site drilling and prep	I indicated that I would share engagement plan before submission.
June 7, 2023	Met with Glen MacKay, PWNHC	Regarding Archaeology	
June 12, 2023	Archaeology	Calling for available archeologists	Hired Murray Lobb from WSP however Nancy Saxberg has taken over for him as Murray will be on another project.
June 26, 2023	Met with T. Hoefer, Manager Chamber of Mines	To discuss proposed project.	
July 17, 2023	City Hall	Phoned and emailed to determine when Director for Planning will be back.	She will be back in office on July 24 th . I proposed an in-person meeting or online presentation of our engagement slide deck. Never received a call back or any responses by email from City Hall to date.
July 5, 2023	Murray Lobb, Archeology with WSP	To provide clarity on scope of work to be conducted.	
July 5, 2023	Met with Jerry from Ingraham Trail Cabin Owners and Leaseholders. Jerry manages the email to the group regarding issues, exploration, and other activities within Ingraham Trail area.	To go over engagement slide deck	He suggested that we coordinate engagement for cabin owners and lease holders, and we determined July 24 th 2023, would be best. I emailed a copy of our slide deck to Jerry to share with all on his email list. Jerry recommended that cabin owners and leaseholders contact Eileen Marlowe, Manager for Land and Community should anyone have any questions. To date no one from this group emailed me with any concerns or issues.
July 6, 2023	Emailed Jerry a copy of slide deck	For distribution to cabin owners.	
July 17, 2023	Meeting with ENR staff	Regarding WMMP seeking clarity	

Date	Outreach	Purpose	Message/Response
July 24, 2023	Conducted in person presentation at Explorer Hotel for Ingraham Trail cabin owners and lease holders	Provide overview of proposed project.	Two people from Ingraham Trail showed up and the rest were part of the NSMA leadership. Ingraham Trail: Dana Erasmus and Norma Heslip.
July 25, 2023	Online engagement with GNWT Staff	Provide overview of proposed project.	Roughly 35 GNWT staff online. They did not have any questions.
July 25, 2023	Met with Karen Costello, new Executive Director at Chamber of Mines	Provide overview of proposed project.	Excellent presentation.
July 25, 2023	Met with Chamber of Commerce Executive Director online	To provide overview of proposed project.	Great overview presentation.
July 25, 2023	Met with Boyan Tracx and Shannon at NMPO in YK, in person meeting.	To provide overview of proposed project.	Will connect us to funding folks.
July 27, 2023	Met with Darryl Beaulieu from Denedeh Corp.	To provide overview of proposed project.	Great presentation. Will keep them posted on developments.
July 31, 2023	Met with Mine Training Society Executive Director and one board member	To provide overview of proposed project.	Great presentation.
	City of Yellowknife	To provide overview of proposed project.	No response. Called and emailed several times.

ENGAGEMENT TRIGGER TABLE

Engagement Trigger #	Engagement Trigger	Purpose for Engagement	Method to Engage
1.	Pre-application engagement	<ol style="list-style-type: none"> To respect Indigenous governments and leaders. To establish meaningful relationships with Indigenous leaders. To present our lithium project at Hidden Lake and to listen to feedback. The presentation will touch on the following: the potential it has, historical context, initial ground truthing activities, project description for drilling, next steps after data collection, and to discuss approach to Indigenous and public engagement in initial exploration activities (i.e., Method for updates, two-way communications, & transparency, etc.). To gain an understanding of Indigenous views on proposed project. To inform Ingraham Trail cabin owners of exploration activities. 	<ul style="list-style-type: none"> Email Follow up phone calls In person presentations and meetings

		6. To inform, discuss, and work with various individuals, parties, and governments to ensure completeness of various components to the Land Use Application.	
7.	Permit application	Conduct discussions with affected parties prior to application submission.	
8.	Prior to start of drilling activities	Notify affected parties of commencement of exploration activities.	<ul style="list-style-type: none">• Email/phone call
9.	Helicopter use in area	Notify when we will be flying helicopters in area.	<ul style="list-style-type: none">• Email
10.	Update on progress of project	Provide an update on progress & advise of any issues.	<ul style="list-style-type: none">• Email/phone call
11.	Any modifications or amendments to LUP which will change scope of work	Notify of any changes to scope of work.	<ul style="list-style-type: none">• Email/phone call
12.	Occurrence of spill	Inform regulators & parties as required by authorizations.	<ul style="list-style-type: none">• Email/phone
13.	Discovery of suspected archaeological find, historical or burial site	Inform regulators & parties as required by authorizations.	<ul style="list-style-type: none">•
14.	End of drilling activities	Notify affected parties of end of exploration activities and notify when to present findings.	<ul style="list-style-type: none">• Email/phone call
15.	Updates on results of drilling; corporate develops and discuss approach forward	Present summary of findings and present potential path forward.	<ul style="list-style-type: none">• Email• In-person meetings

APPENDIX A

Loyal Lithium Engagement Slide Deck
Will attach slide deck separately due to size.

HWY4 Lithium Ltd

a subsidiary of

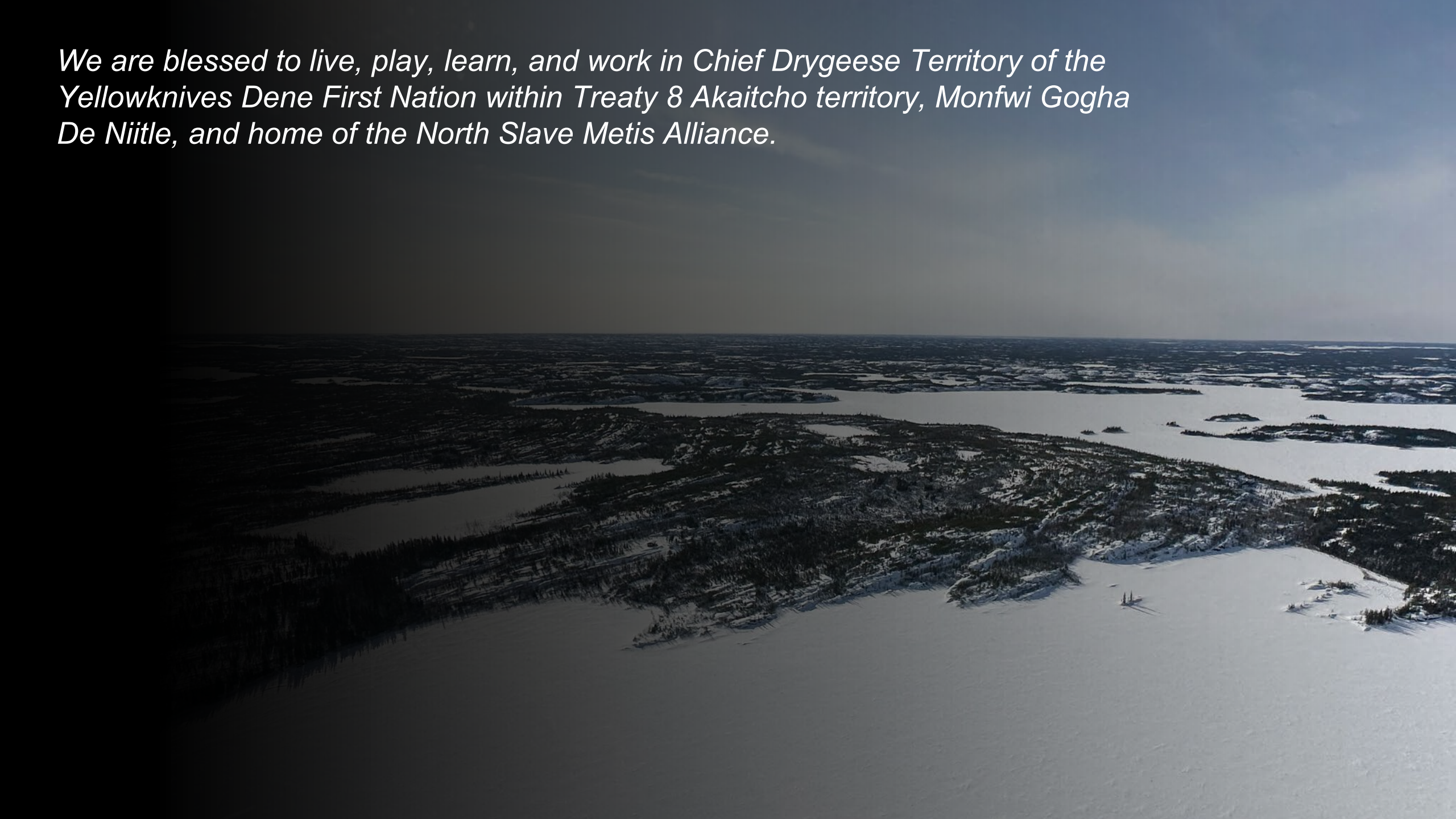


**A LITHIUM LED BATTERY MINERALS
AND TECHNOLOGY COMPANY**

Land & Community Engagement

JUNE 2023

We are blessed to live, play, learn, and work in Chief Drygeese Territory of the Yellowknives Dene First Nation within Treaty 8 Akaitcho territory, Monfwi Gogha De Niitle, and home of the North Slave Metis Alliance.



DISCLAIMER



The material in this presentation has been prepared by Loyal Lithium Ltd ("Loyal Lithium") and is general background information about Loyal Lithium's activities current as at the date of this presentation. This information is given in summary form and does not purport to be complete. Information in this presentation, including forecast financial information, should not be considered as advice or a recommendation to investors or potential investors in relation to holding, purchasing or selling securities or other financial products or instruments and does not take into account your particular investment objectives, financial situation or needs.

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This presentation may contain forward looking statements including statements regarding our intent, belief or current expectations with respect to Loyal Lithium Gold's businesses and operations, market conditions, results of operations and financial condition, capital adequacy, specific provisions and risk management practices. Readers are cautioned not to place undue reliance on these forward-looking statements. Loyal Lithium does not undertake any obligation to publicly release the result of any revisions to these forward-looking statements to reflect events or circumstances after the date hereof to reflect the occurrence of unanticipated events. While due care has been used in the preparation of forecast information, actual results may vary in a materially positive or negative manner. Forecasts and hypothetical examples are subject to uncertainty and contingencies outside Loyal Lithium's control. Past performance is not a reliable indication of future performance.

The information in this report that relates to Exploration Results is based on information either compiled or reviewed by Mr Darren Allingham FAIG who is an employee of Loyal Lithium Limited. Mr Allingham is a Fellow of the Australian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves. Mr Allingham consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

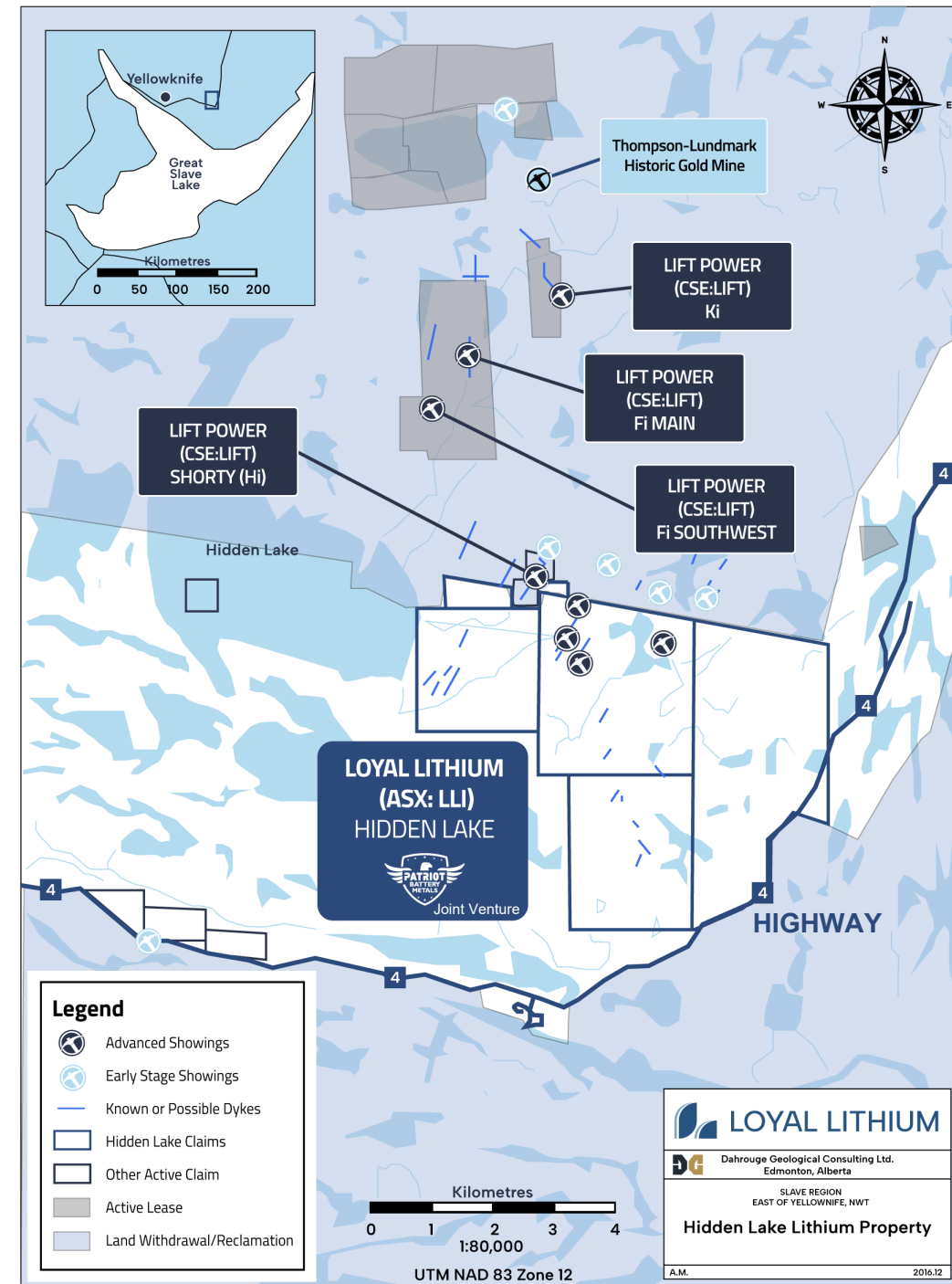
This presentation has been approved by the Board of Loyal Lithium Ltd.

LOYAL LITHIUM

THE HIDDEN LAKE LITHIUM PROJECT

MEETING AGENDA

- Our Mission & Vision
- Lithium, Enabling a Sustainable Future
- The North American Opportunity
- Our North American Portfolio
- Our Canadian-Australian Team
- The Hidden Lake Lithium Project
- Our Approach to Exploration
- Engagement Objectives & Audience
- Proposed Exploration
- Other Considerations
- Indigenous Employment Opportunities
- Engagement Triggers



OUR MISSION & VISION

MANAGING DIRECTOR – ADAM RITCHIE BEng (hon), MEng, CPEng

“Loyal Lithium aims to play a key role in the North American lithium supply chain by building a business that attracts development opportunity, whilst also adding value to communities and shareholders.”

“We are passionate about lithium and believe we can do it better.”

Highly experienced lithium and development professional



Over 20 years' experience in the resources sector having held senior positions at Australia's leading resources companies including Pilbara Minerals, FMG, Rio Tinto & BHP



Former Project Director of Pilbara Minerals (ASX: PLS) flagship Pilgangoora Lithium Project



ENABLING A SUSTAINABLE FUTURE



LAND & COMMUNITY MANAGER – EILEEN MARLOWE BPAC, MCM

“Having grown up in Yellowknife, I look forward to contributing my broad experience to ensure an inclusive process in exploring and developing the Hidden Lake Lithium Project, and further building Loyal Lithium’s relationships with the local communities.”



Loyal Lithium plans to enable a sustainable future while respecting the land and including indigenous communities.

The transition to a sustainable future relies on renewable energy and energy storage, with lithium-ion batteries playing a key role.

However, challenges exist in battery production and the availability of raw materials, especially lithium.

Spodumene, a leading lithium raw material, provides technical and investment confidence by separating mining and refining processes.

Sustainable mining and refining practices are crucial, and domestic lithium supplies, particularly in Canada's Spodumene rich deposits, offer environmental and economic benefits.

THE NORTH AMERICAN OPPORTUNITY

DRIVING TOWARDS DOMESTIC SUPPLY SOLUTIONS



“With over 400 million registered vehicles in North America, the demand for electric vehicles (EV) will only increase. The push for domestic sources of raw materials is heavily supported by both the Canadian and United States Governments.¹”

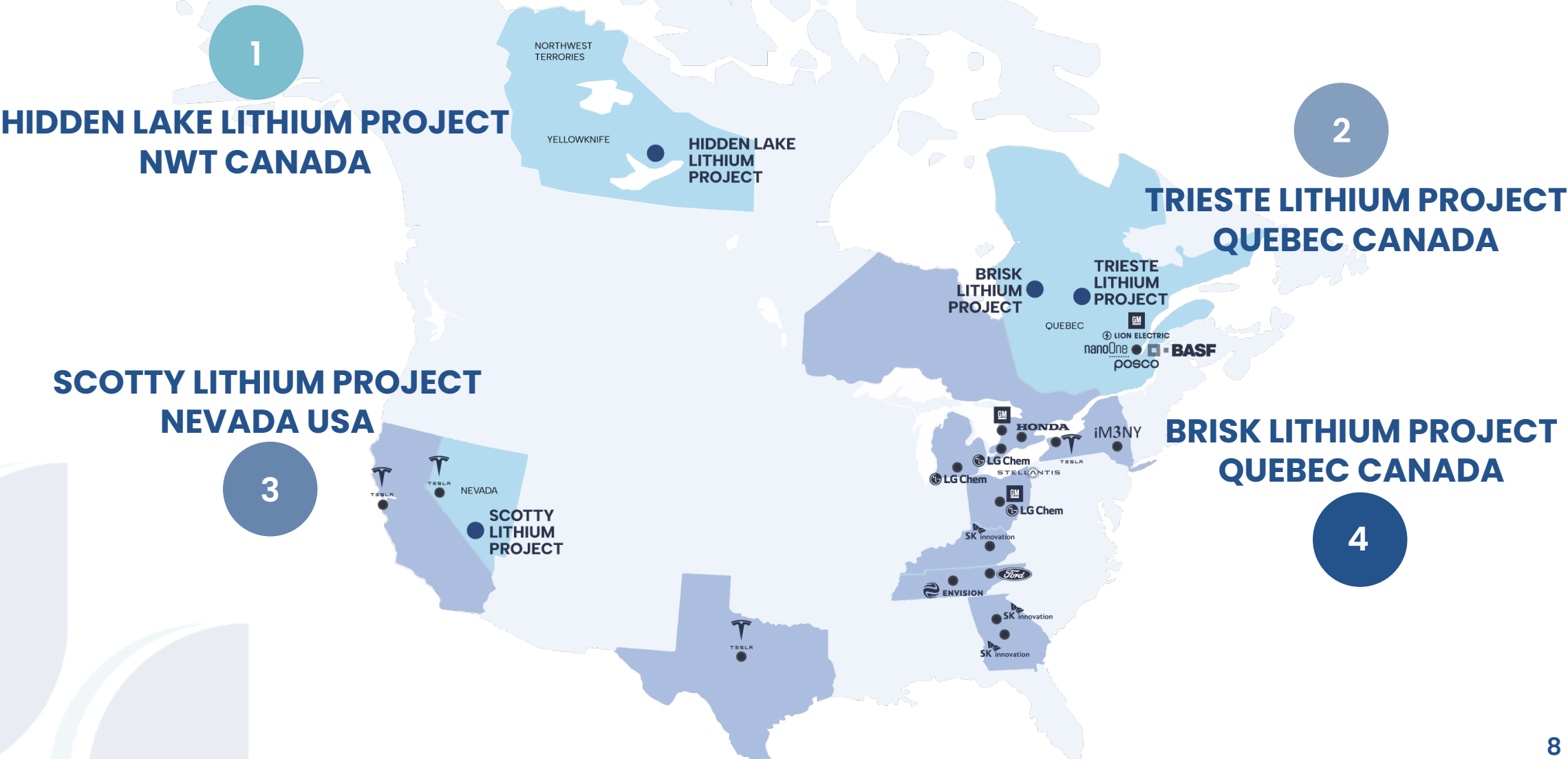
Adam Ritchie – Loyal Lithium, Managing Director



1 – See Appendix – Lithium is now political. Details of President Biden’s Inflation Reduction Act.

OUR NORTH AMERICAN PORTFOLIO

BUT OUR FOCUS IS YELLOWKNIFE



OUR CANADIAN - AUSTRALIAN TEAM

GOVERNANCE – STRATEGY – MANAGEMENT – PROMOTIONS



**EXECUTIVE
CHAIRMAN**
Peretz Schapiro



**MANAGING
DIRECTOR**
Adam Ritchie



**NON EXECUTIVE
DIRECTOR**
Andrew Graham



**NON EXECUTIVE
DIRECTOR**
TBA – YK Executive



**LAND &
COMMUNITY**
Eileen Marlowe



**COMMERCIAL
MANAGER**
Chris Kelly



**STUDY
MANAGER**
Daniel Campbell



**EXPLORATION
MANAGER**
Darren Allingham



**FINACIAL
CONTROLLER**
Kevin Berry



**COMPANY
SECRETARY**
Ian Pamensky

HIDDEN LAKE LITHIUM PROJECT

WHY WE LOVE IT – UNDER EXPLORED BUT WELL UNDERSTOOD



- 14 lithium spodumene bearing pegmatite outcrops
- 4 drill tested with a cumulative strike of 2,250m
- Known mineralisation is open along strike and depth
- 2,500 ha land position has had limited field mapping conducted and therefore significant scope to expand
- Simple mineralogy with highly liberated spodumene with SC6 DMS Concentrate already produced via pilot plant

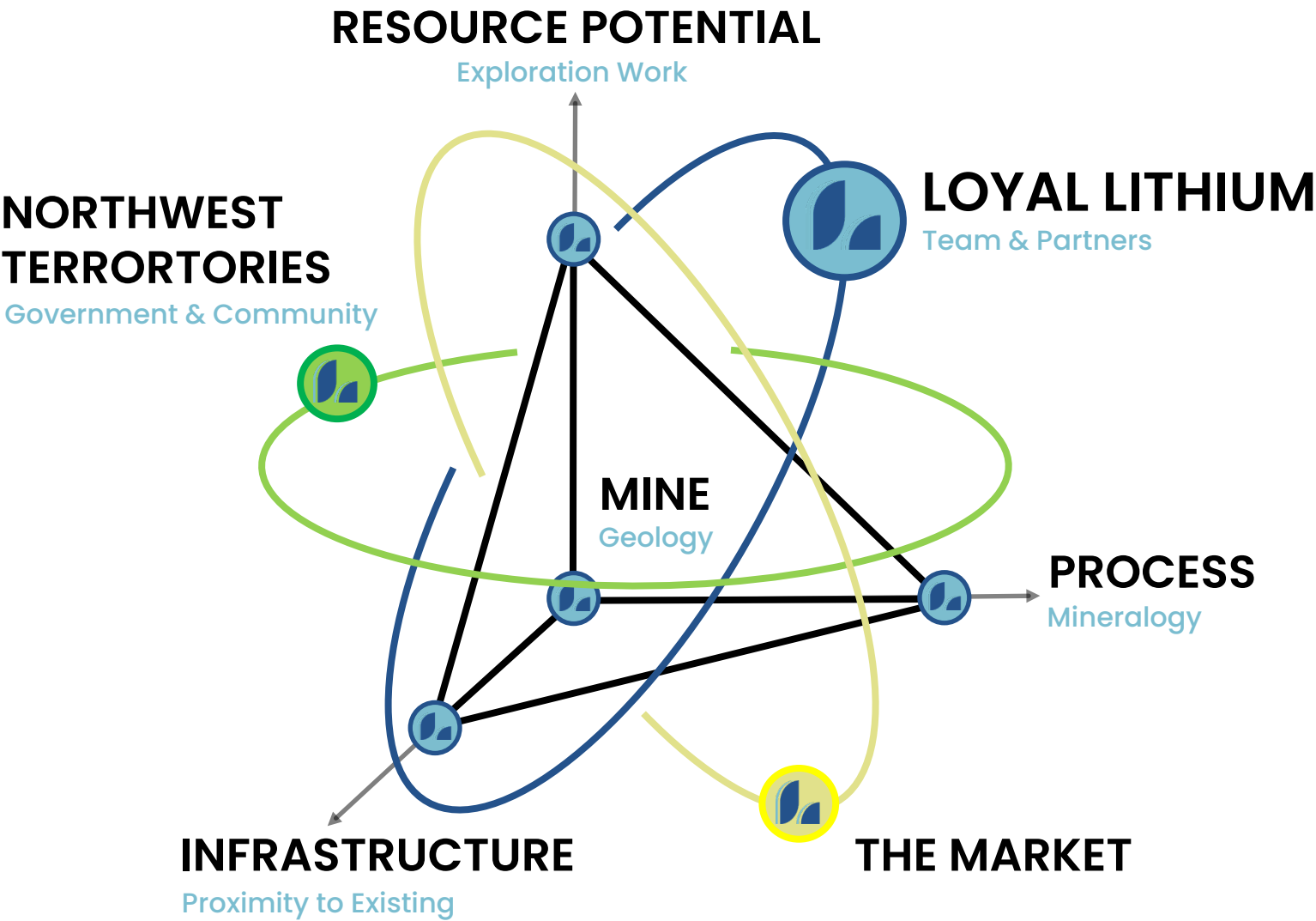


“We are excited to bring fresh ambitions to this notable spodumene project alongside our new joint venture partners in Patriot Battery Metals.”

Adam Ritchie – Managing Director Loyal Lithium

HIDDEN LAKE LITHIUM PROJECT

WHY WE LOVE IT



ENGAGEMENT OBJECTIVES

EARLY WITH TRANSPARENCY TO CREATES OPPORTUNITES

“Our objective is simple; we plan to engage early with transparency to create inclusive opportunities to learn and earn.”

HOW WE DO THIS

- **People:** Dedicated focus on the relationship
- **Discipline:** Regular two-way communications
- **Clarity:** Articulate the project with clarity

PRIMARY AUDIENCE

- **Indigenous Governments & Organizations:** Akaitcho Dene First Nations (ADFN), Tlicho Government (TG), North Slave Metis Alliance (NSMA)
- **Ingraham Trail Association:** Cabin Owners and Leaseholders

SECONDARY AUDIENCE

- Government (territorial & federal)
- Other First Nations (peripheral)
- Elected Officials
- City of Yellowknife
- Regulators & Chamber of Mines
- Media

HIDDEN LAKE EXPLORATION

THE TWO INITIAL EXPLORATION PHASES

PHASE 1 – FIELD MAPPING

SCOPE

- In Field Archeological & Cultural Surveys
- Field Mapping – Prospecting, Rock Chips, Channel Sampling & Assays
- Aerial Surveys – Helicopter & Satellite Imagery
- LISS – Low Impact Surface Sampling – subject to assessment

INDIGENOUS OPPORTUNITIES

- Archeological & Cultural Survey Support
- LISS Field Support

SNOW

2023

2024

PHASE 2 – DRILLING

SCOPE

- ~3,300m of Drilling – Two Drill Rigs

INDIGENOUS OPPORTUNITIES

- Site Infrastructure & Services Support
- Drilling Field Support



PLEASE SEE APPENDIX FOR FURTHER DETAIL

OTHER CONSIDERATIONS

PLANNED WORK

ARCHAEOLOGY - AOA & AIA

We plan to conduct an Archaeological Overview Assessment (AOA) and an Archaeological Impact Assessment (AIA) before the end of September 2023.

This is likely to involve two archaeologists and two Indigenous field assistants.

TRADITIONAL KNOWLEDGE

We plan to commence Traditional Knowledge assessment early.

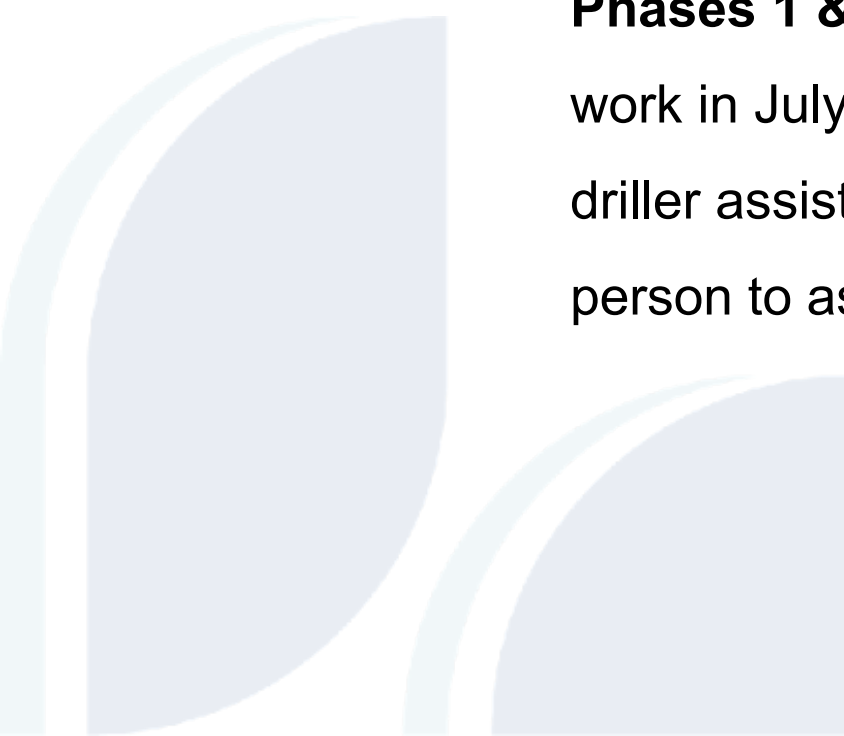
ENVIRONMENTAL BASELINE

We plan to commence Environmental Baseline work early – scope to be determined.

INDIGNEOUS EMPLOYMENT COMMENCED

CREATING OPPORTUNITIES

The first two phases of exploration are creating short term employment opportunities for Indigenous men/women - but more could follow.



Phases 1 & 2: Two Indigenous men/women required for archaeology work in July 2023. Once drilling commences opportunity exist for one driller assistant, two people for camp and catering set up, and one person to assist the road contractor.

Future Phases: Subject to the results of Phase 1 & 2, further exploration and development readiness would commence.



LOYAL LITHIUM

CONTACT

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Managing Director
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Eileen Marlowe
Land & Community Manager
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Cell: 780-832-8307

INITIAL EXPLORATION PHASES

PHASE	Technical Consultants	Indigenous Opportunity	Task	Timeframe	Output	Complete
Phase One: Field Mapping	DGC x 4 – 6 max		<ul style="list-style-type: none"> Field Mapping LIDAR Channel Sampling 	June 7- 27	Samples <ul style="list-style-type: none"> Assays to be sent by June 27 LIBS on site on outcrops 	Yes
	SHA Geophysics + Pioneer		<ul style="list-style-type: none"> LIDAR Helicopter 	June 27- TBC	<ul style="list-style-type: none"> Digital Terrain Model High resolution orthophotos 	Yes
	DGC <ul style="list-style-type: none"> 2 Geologists 2 Technician LISS 1 Driller 1 Drill Assistant 		<ul style="list-style-type: none"> LISS Shallow subsurface sampling of rock 	July 14 – 21	<ul style="list-style-type: none"> C. Ambrose to assess use. Drill holes to extract rock sample Sampling 	No
	<ul style="list-style-type: none"> 2 Archaeologist 1 Bear Monitor 1 Field Assistant 	2	<ul style="list-style-type: none"> Conduct AOA Conduct AIA 	July 2023	<ul style="list-style-type: none"> Report findings and results 	No
Phase Two: Drilling	DGC <ul style="list-style-type: none"> 2 Drillers Drill Assistants 	1	<ul style="list-style-type: none"> Drilling x 2 	Oct – Dec 2023	<ul style="list-style-type: none"> Site Setup Manage drilling program, samples Environmental rehabilitation 	
	<ul style="list-style-type: none"> Rodren Drilling Ltd Contractor for Site setup 		<ul style="list-style-type: none"> Heli-lift 	“ “	<ul style="list-style-type: none"> Transport and setup Drilling Sample collection 	
	<ul style="list-style-type: none"> Fuel contractor 		<ul style="list-style-type: none"> Supply/store/deliver 	“ “	<ul style="list-style-type: none"> Maintain fuel supply and storage 	
	ATV snow plough contractor <ul style="list-style-type: none"> 3 ppl 	3	<ul style="list-style-type: none"> Plough snow from walking trail off highway (Tibbet) Set up and maintain day camp for warming. 	TBD	<ul style="list-style-type: none"> Remove snow from access walking trail (as necessary) Maintain warming day camp. 	

ENGAGEMENT TRIGGERS

Engagement Trigger #	Engagement Trigger	Purpose for Engagement	Method to Engage
1.	Pre-application engagement	<ol style="list-style-type: none"> To respect Indigenous governments and leaders. To establish meaningful relationships with Indigenous leaders. To present our lithium project at Hidden Lake and to listen to feedback. The presentation will touch on the following: the potential it has, historical context, initial ground truthing activities, project description for drilling, next steps after data collection, and to discuss approach to Indigenous and public engagement in initial exploration activities (i.e., Method for updates, two-way communications, & transparency, etc.). To gain an understanding of Indigenous views and to To inform Ingraham Trail cabin owners of exploration activities. To inform, discuss, and work with various individuals, parties, and governments to ensure completeness of various components to the Land Use Application. For example: ENR-Wildlife Management & Monitoring Plans, Lands - Inspector, etc. 	<ul style="list-style-type: none"> Email Follow up phone calls In person presentations and meetings
7.	Permit application	Conduct discussions with affected parties prior to application submission.	
8.	Prior to start of drilling activities	Notify affected parties of commencement of exploration activities.	<ul style="list-style-type: none"> Email/phone call
9.	Update on progress of project	Provide an update on progress & advise of any issues.	<ul style="list-style-type: none"> Email/phone call
10.	Any modifications or amendments to LUP which will change scope of work	Notify of any changes to scope of work.	<ul style="list-style-type: none"> Email/phone call
11.	Occurrence of spill	Inform regulators & parties as required by authorizations.	<ul style="list-style-type: none"> Email/phone
12.	Discovery of suspected archaeological find, historical or burial site	Inform regulators & parties as required by authorizations.	<ul style="list-style-type: none">
13.	End of drilling activities	Notify affected parties of end of exploration activities and notify when to present findings.	<ul style="list-style-type: none"> Email/phone call
14.	Updates on results of drilling; corporate develops and discuss approach forward	Present summary of findings and present potential path forward.	<ul style="list-style-type: none"> Email In-person meetings

October 13, 2023

Chris Hotson
Regulatory Manager
Mackenzie Valley Land and Water Board
P.O. Box 2130
4922-48th Street
7th Floor YK Centre Mall
Yellowknife, NT. X1A 2P6

Re: Engagement Delays 2023

Dear Mr. Hotson:

I am writing to inform you that we conducted engagement over a five-month period in preparation for submitting our Land Use Permit application.

I would like to inform you that we encountered some delays in our engagement with certain groups due to factors such as seasonal wildfires, the evacuation of Yellowknife, and Indigenous leadership elections. These significant interruptions notably affected our engagement with the Primary first Nation - Yellowknives Dene First Nations (YKDFN). While we were able to achieve several successful engagements with a number of branches within YKDFN, including the environmental, economic, and commercial arms, our Managing Director has yet to present to the Chiefs and Counsel.

We have submitted a request for direct engagement with the YKDFN Chiefs and Counsel, and we are currently awaiting a response regarding the timing of this engagement as new Chiefs and Counselors are onboarded. I would like to assure you that both parties, Loyal Lithium and YKDFN, are committed and fully intend to proceed with this engagement.

Thank you for your guidance throughout this process.

Sincerely,

Eileen Marlowe
Land and Community Manager

from: **Adam Ritchie** <aritchie@loyallithium.com>
to: Ryan Miller <ryanm@ykdene.com>
cc: Elieen Marlowe <emarlowe@loyallithium.com>, Darren Allingham <dallingham@loyallithium.com>, Gaurav Kaushish <ceo@ykdene.com>, Lena Black <lblack@ykdene.com>, Johanne Black <jblack@ykdene.com>, Kieron Testart <kieront@ykdene.com>, Adrian Boyd <adrianb@ykdene.com>
date: 29 Jul 2023, 21:04
subject: Re: Archaeology and Traditional Knowledge
mailed- by: loyallithium.com

Adam Ritchie

29 Jul 2023, 21:04
(3 days ago)

to Ryan, Elieen, me, Gaurav, Lena, Johanne, Kieron, Adrian

Hi Ryan,

Thanks for your time the other week and your questions below. We've split our response into two sections to assist with clarity:

- * Q20 & Q21: Consent and Archaeology are addressed below in this email, and
- * Q1 to Q19: Water & Und Use have been addressed by Darren Allingham (LLI Exploration Manager) in the form of a Letter due to the images and content contained within the response.

Although we are still in the very early stages of exploration, we know enough about the project via historical work (drilling and metallurgical test) to believe

there could truly be a notable lithium project at Hidden Lake. This is an amazing opportunity for all involved (the traditional land owners, Yellowknife community, the NWT and more broadly Canada) to play a major part in a sustainable future as our transition is limited by the rate at which batteries and connected raw materials can be sourced.

However, as the demand for Lithium increases, alternative less sustainable sources of lithium from other jurisdictions are advanced with speed. We would embrace any opportunity to share our thoughts & insights more broadly within the YKDFN community to assist us both in seizing this Lithium 'window' of opportunity.

Please call if you require any further clarification.

Regards,

Adam

--



Adam Ritchie | MANAGING DIRECTOR

a: 5/10 Johnston St, Peppermint Grove WA 6011

e: aritchie@loyallithium.com

w: www.loyallithium.com

m: +61 403 462 383

NOTE: **Purple** has been extracted from your email below and **Black** is our response.

Consent

In the document I was sent, initial drilling is planned to commence as soon as the Land Use Permit (LUP) is approved and is anticipated to require two to four months to complete. An ongoing topic of conversation has been the first Nation's consent to the project and an exploration agreement.

Q20. Is Loyal Lithium prepared to confirm they will not drill without the First Nation's (Chiefs and Council's) explicit consent, and if not what will that look like?

As discussed, we were to work administratively on agreeing to a term sheet, and then being working on some of the details of an exploration agreement to later present to

chiefs and council for their review, input and eventual decision on whether to consent or not. A parallel process Of course will be Chiefs and Council consultation and engagement as well as Community engagement which will inform Chiefs and Council's decision.

Loyal Lithium's Land & Community engagement objective is to engage early with transparency. We hope that this builds awareness, support and creates opportunities for all. Loyal Lithium is committed to following YKDFN's Technical & Commercial process to meet this objective and sincerely hope that this leads to First Nation's (Chiefs and Council's) consent.

As we've discussed, the main hurdle that we collectively face is **time**, which is largely due to weather constraints and the imminent YKDFN Chief and Council elections. We appreciate the opportunity to agree on an initial term sheet (MOU) whilst we collectively work on the details of an Exploration Agreement. To help us all understand the process I've pulled together a monthly activities list that will outline an ideal scenario for your consideration and comment.

The Monthly activities list below shows two parallel work streams, a Technical and Commercial. Both work streams are critical to our collective success.

- The **Technical Critical Path** (denoted in **Red**) is associated with us working closely with designated TK advisors to complete an AOA & AIA to support a prompt LUP submission that will allow us to commence drilling.
- The **Commercial Critical Path** (denoted in **Blue**) is associated with us working together on Terms and Conditions that will enable a parallel LUP submission while we ultimately agree on an Exploration Agreement. This will allow us to commence drilling under the LUP and move forward with clarity and consent.

Activity	August	By	Action/Notes
1	YKDFN & LLI MOU: Draft Terms	5 August	YKDFN to provide draft terms for consideration?
2	YKDFN & LLI Exploration Agreement: Draft Terms	12 August	YKDFN to provide draft terms for consideration?
3	Archaeology AOA: YKDFN TK adviser to provide input to draft AOA	7-14 August	YKDFN to assign TK advisor.
4	YKDFN & LLI MOU: Execution of MOU enabling the completion and submission of the LUP	14 August	Linked to 1 & 2

5	Archaeology AIA & TK site visit	21 Aug	Linked to 3. YKDFN to confirm available timing.
6	YKDFN Chief & Council Elections	28 August	Milestone
Activity	September	By	Note
7	Completion of the AOA & AIA Report	7 Sept	Linked to 5
8	Submission of the LUP	8 Sept	Linked to 4 & 6
9	YKDFN & LLI Exploration Agreement: Agree on T&C's and prepare draft Exploration Agreement	14 August	Linked to 2
Activity	October	By	Note
10	Present to YKDFN Chief & Council for Consent	Late 7 Oct	Linked to 6 & 9
11	Obtain LUP	14 Oct	Linked to 8
12	YKDFN & LLI Exploration Agreement: Sign & Execute Agreement	14 Oct	Linked to 10
13	Award Drill Contract	15 Oct	Linked to 11

Technical Critical Path Actions: The key technical critical path action is the assignment of a YKDFN TK Advisor and confirmation of timing for a site visit. We understand that such a resource has limited availability and therefore we'd just like to mention a non-preferred alternative path if needed. This alternative path still satisfies the advice obtained from Glen MacKay from PWHC (attached), however reduces LLI's drilling scope proposed within the LUP. This will lead to an amended drill permit in time. To reiterate – this is not a preferred option for Loyal Lithium.

Planning for Success: In addition to the Technical Critical Path for AOA and planning for long term success, we would like to utilise the proposed Archaeological TK session for input into the planning/scoping of the Environmental Baseline work. With EA approval requiring at least 2 years of data we are keen to commence our Environmental baseline work as soon as possible.

Commercial Critical Path Actions: It is our understanding via publicly available sources that a MOU and Exploration Agreement has been signed with Li-FT. We hope that the framework of these existing agreements can be used to assist us both in the advancement of an independent agreement between Loyal Lithium and YKDFN. Obtaining this is critical to the timeline.

Archaeology

Best practice, timing given, would be to come to terms on an exploration agreement, provide consent, and then come to terms on a data sharing agreement before proceeding to the TK mapping session. This mapping session with Elders and knowledge holders would occur internally, funded by the proponent, and would complement the AOA, as well as the AIA, this has not been implemented to date. Please ask the Archaeologist if this is possible and if so how that would work.

As outlined above with the proposed schedule, timing is critical to our collective success. Although it is best practice to conduct the administrative process first, I believe the schedule proposed and the use of a MOU to parallel Technical & Commercial activities will still produce the same outcome.

With respect to the AOA & AIA, incorporation of TK is possible and preferred by both Loyal and the Archaeologist. The best way to conduct this is:

- The Archaeologist to prepare a draft assessment without TK input as a basis for the TK assessment.
- This draft document will enable the TK advisors to clearly understand the scope of the project and the findings of the Archaeologist to date.
- The output from the internal TK session can then be returned to the Archaeologist for review and incorporation.
- TK input could lead to additional work or rework by the Archaeologist before returning to a final draft AOA to the TK Advisor for review and approval.

Please note that the Archaeologist has been able to complete this draft and it has been attached to this email for review and consideration.

For clarity the cost of the TK advisor to conduct this work and associated reviews is accepted by Loyal. Please send through a formal quote/invoice for payment.

*At this time, we do not have a data sharing agreement and may not in the near future. We will proceed without one for now while working towards one. Until a form data sharing agreement is made. The YKDFN must be the owner of all data (raw published) generated by in reference to any information provided by our Elders and knowledge holders. What this looks like in practice we can further define as events arise.

With respect to the data sharing agreement, Loyal is happy for these terms to be included within the TK advisors purchase order, NDA and/or within the MOU. Please advise if you require assistance with this? Loyal is happy to propose formal

documentation (NDA, a short form Scope of Services contract, etc) for consideration. Details of the Data Sharing terms will be required from YKDFN.

In regard to a Cultural Advisor, this is the person who will accompany the Archaeologist when they conduct the relevant field work. The advisor will be appointed by the YKDFN staff as directed by Elders or otherwise directed. Connecting LL with the Cultural Advisor will occur before field TK is conducted and will occupy that role only for the purposes of the field work. They are not be reached out to at anytime for any reason outside of the time relevant to the AIA – YKDFN Leadership, government and staff are LL's contact point and are not to be circumvented.

Understood. Please note that Kieron Testart had mentioned two names to Loyal as possible TK advisors, however we await formal assignment of a resource.

The budget of a TK mapping session is determined by the follow costs:

- Hall rental \$300.00 – \$800.00 depending on availability and size of group
- Interpretation \$500/day
- Interpretation Equipment Rental – \$500/day
- Honouraria \$250 – \$300/day/Elder/Knowledge Holder
- Catering \$50/person
- Transportation \$1000.00 cap
- Staff Salaries
 - o Lands and Language Culture History staff to go through archival data and retrieve TK – 1.5 days @ \$632.08/day = \$948.12)
 - o Regulatory staff meeting coordination and facilitation – 1 day prep, 1 day meeting, 2 days to generate report (4 days @ \$632.08/day = \$2,528.32)
- Subtotal 1 day, 8 Elders, 1 Interpreter =
(\$800+\$500+\$500+\$2400+\$500.00+\$1000.00+\$948.12+\$2,528.32) \$9,176.44
- Admin fee @ 15% \$1,376.46
- Total \$10,552.90

Understood & Agreed

Considering this amount, we begin speaking about total engagement budget and costs Loyal Lithium and YKDFN will agree to for annual engagement costs. I want to be clear and proactive about budgeting, costs, expectations and avoid hard feelings about financial matters.

Q21. What is Loyal Lithium's predicted annual budget for engaging the YKDFN?

Hidden Lake is an early-stage exploration project, and our immediate objective is to conduct some drilling to determine if there is truly adequate resource potential to continue with the project.

Loyal Lithium understands the importance of early and ongoing Land and Community engagement, however at this stage it's too early for us to set an annual budget for engagement. After this initial drilling campaign, we will know more about the project at which time we plan to prepare a long term engagement plan. Loyal would embrace the opportunity to work with YKDFN on this.

[END]

----- Forwarded message -----

From: **Elieen Marlowe** <emarlowe@loyallithium.com>

Date: Thu, 15 Jun 2023 at 15:52

Subject: Estimate for archaeology

To: Lobb, Murray <murray.lobb@wsp.com>

Mur:

As per phone conversation today. Here are the three documents to help with the estimate.

Please note comments from Glen at PWHC:

We have reviewed Loyal Lithium's project description and the AOA prepared for 92 Resources. Our recommendations are as follows:

- Loyal Lithium's project area extends quite a way further east than the study area for 92 Resource's AOA. An AOA should be conducted for this additional area before any drilling or other ground disturbance takes place in this area. Based on Loyal Lithium's project description, it does not look like their preliminary drill program will impact this area, so the preliminary drill program can proceed before the additional AOA work is done.
- 92 Resource's AOA did identify areas of high potential in the project area. Loyal Lithium's drilling area 1 overlaps with an area of high archaeological potential. The AOA indicated that due to the small number of drill holes planned within the areas of high potential, and given that the drilling would take place under winter conditions, that an archaeological impact assessment was not needed in advance of the drilling program.

- Loyal Lithium's drill targets 2 through 6 are not in areas of high archaeological potential, so no further archaeological work is needed before drilling proceeds in these areas.
 - For drill target 1, as per the AOA done for 92 Resources, if drilling is done under winter conditions, no further archaeological work is needed in advance of Loyal Lithium's preliminary drilling program. If this area will be drilled under summer conditions, an AIA is required prior to drilling.
-

Murray:

1. **Based on bullet one:** Kindly conduct a desktop archaeological overview assessment of the areas of Loyal Lithium's project area that were not included in the 92 Resource's AOA.
2. **Based on bullet four:** Kindly conduct an AIA anyway for drill target 1.
3. **Based on Golders AOA Report:** There are two high areas. Kindly apply for a Class 2 archaeology permit to conduct an archaeological impact assessment (AIA) of the areas of high archaeological potential identified in the 92 Resources' AOA.
4. **Furthermore:** I assume you will also factor in an Indigenous TK Advisor into your estimate.

Should you have any questions, kindly let me know.

Marci cho, (thank you)



Eileen Marlowe | LLI LANDS & COMMUNITY MANAGER

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July 27, 2023

Ryan Miller
Remediation Project Coordinator
Yellowknives Dene First Nation
ryanm@ykdene.com

Re: Archaeology and Traditional Knowledge – Response to Email dated July 21, 2023

Hi Ryan,

Thank you for replying and seeking clarity on our proposed exploration activities. Due to the details and images within my response, I've adopted this Letter form to assist (word Doc).

We understand that water, the environment, and cultural practice is of utmost importance to Yellowknives Dene First Nation (YKDFN), including other impacted Indigenous governments and organizations. As such we endeavour to work with you and others within YKDFN in an inclusive and respectful manner as we progress our understanding of the Hidden Lake Lithium Project.

As you are aware, we are still in the very early stages of exploration and the objective of our inaugural exploration work program is to determine to what extent spodumene – lithium, exists within YKDFN traditional lands. Obtaining this vital information will help determine whether this project is viable and enable us all to have more fruitful conversations in the future.

I look forward to working with you as we move this proposed project. Please do not hesitate to email me or call me should you have additional questions regarding geology, and/or regarding the exploration activities.

Kind Regards,

Darren

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780 832 8307

NOTE: **Purple** has been extracted from your email below and **Black** is our response

All,

Thank you for the updated map, looks like LL owns both the 92 resource crop leases and Jordan Pearson's lease to the East with some potential drill sites. (LLI - Yes, this is correct) I have separated this email into three sections that we will work through. They are partitioned into water, consent, and archaeology sections.

Water

I wanted to begin bringing up some of the YKDFN's concerns associated with water usage. Some preliminary questions that will help address and inform concerns are number Q1-Q19 below.. Big picture, the pillars of our concerns are:

- Pollution of watercourses, bodies of water, wetlands and any potential groundwater regions now and in the future; (LLI - See Waste and Erosion Management Plan and Studies shown in the Project Description)
- Aquatic and terrestrial life or habitat; (LLI - See Wildlife Management Plan.)
- Erosion of the land surface and watercourses; (LLI - See Erosion Management Plan, Hydrology study)
- Preservation of the watershed's life force and utility within the realm of natural/controllable change; and (LLI - See Erosion, Waste and Wildlife Management Plans)
- Non-degradation of the YKDFN's relationship with their culture as may be impacted by operations. (LLI - A Traditional Knowledge Survey and Archaeology Overview Assessment are planned)

Given the small volume of lakes 5, 4, 3, 10, 8, 2, and 6, there is concern about the overall health of the water, watershed, connectivity, etc.

All proposed water withdrawal sites may not be used during winter. The number proposed locations provide Loyal Lithium with the option of using a different source if water extraction appears to be affecting water levels (will be monitored daily and recorded in a Site Log Book). There are a small number of drill holes planned at water withdrawal sites 2, 3, 4, 6, 8, 9 and 10. The primary water withdraw sites are adjacent to the most advanced lithium showings (rock chip, channel samples drill holes completed under a previous Land Use Permit) and therefore the majority of planned drill holes have water withdrawal sites at 1, 5 and 7. Sites 1 and 7 are located in the largest standing water body on the Project. Site 5 will only be used as an alternative to site 7.

Q1a. What is the best option of the health of the individual waterbodies and watershed as a whole; drawing water only from larger lakes or drawing from lakes most proximal to operations?

Drawing water from lakes with larger volumes ensures that pumps and hose line do not have to be moved to another water source during the time of drilling the hole. The further that hose lines have to be lain on the ground to extract water from a source, the more pressure required to pump the water and the more fuel that has to be used for the pump, creating more greenhouse gasses and higher costs. There is a natural limit to water extraction in winter where smaller lakes will become completely frozen and will not have water available for extraction. Water levels will be recorded in the Site Log Book and drops in levels noted with a measuring stick or water level tape at the site of extraction.

The health of individual water bodies and life within these water bodies is paramount to the company as well as YKDFN.

Q1b. Numbers on the map are missing, where are they located?

Please find enclosed another map with all water locations numbered and areas of drilling activity shown on the map. GIS Data are also provided with these numbered locations.

(Water body capacity estimates use 10 cm depth the approximated surface area of the lake. And it is estimated that each (2) drill rig(s) will utilize approximately 40m³ per day (80m³/day).

Note these are maximum estimated values of water consumption for two drill rigs. Actual water use should be lower due to;

1. Faster and easier drilling in bedrock than anticipated
2. Drill cutting lifted easier than anticipated, requiring less flushing

Water will be banded in one sump adjacent to the drill rig, with a second sump taking overflow from the first to produce water with less hard rock drill cuttings.

Q2. Is there any existing bathymetric or hydrological data or any other data that can be used to determine the volume of the waterbodies eligible for water extraction and to assist in locating and identifying waterbodies and watersheds potentially affected by the project?

A LIDAR survey will pick up where water is very shallow i.e., 1cm deep. But the LIDAR does pick up the topography surrounding the water body and depths can be inferred from the slopes surrounding and into the body of water.

A second product is very high-resolution photography. This photography has the ability to see the relative bathymetry within a water source and find the deepest parts of the water body.

Our preference would be to use an estimate of the precise water body volume and draw a max of 5% of the total volume. We do not want small lakes to experience significant volumetric loss and after watershed connectivity, critical evaporation volumes, are an amount of change that negatively impacts the wildlife and their habitat. This brings up, again, concerns about erosion.

This is acceptable to Loyal Lithium and will be a condition of the permit. The table below is an estimate of water usage over the proposed drill program in the winter of 2023/24. In this estimate the total water usage will be well below 5% of any lake volume.

Water Withdraw Sites	Area m2	Depth Av. Est.	Volume Estimate m3	Estimate Usage m3	Percentage of Waterbody
1, 7	448748	0.3	448748	3200	0.71%
2, 8	35710	0.1	35710	320	0.90%
4	82044	0.1	82044	320	0.39%
5	34489	0.1	34489	320	0.93%
3	42665	0.1	42665	320	0.75%
10	14115	0.1	14115	240	1.70%
6	13174	0.1	13174	240	1.82%
9	143474	0.1	143474	320	0.22%

Assumptions:

Water depth, drill rate based on previous program 2017

Total water usage maximum estimate for winter 2023/24 drill program = 5280 m3

Loyal Lithium has an Erosion Management Plan. The most fundamental aspect of this plan is daily inspections undertaken of areas where operations are occurring over the previous day and operations are planned for that day by the Site Manager or their site representative. All observations will be recorded in the Site Log Book including identification of any potential risks for erosion and also water withdrawal site data. This Site Log Book will be available at any time for examination by YKDFN representatives (with appropriate notice to Loyal). This procedure will allow constant monitoring of risks and therefore eliminate, control and/or mitigate those risks, with the objective of prevention of erosion before it occurs.

A study is being commissioned in order to monitor erosion risk using short time period satellite

data. The short real-time satellite imagery study is being undertaken by Geospatial Intelligence Ltd, in order to provide monitoring data on ground disturbance, erosion prevention and rehabilitation. This is a powerful tool that few resource companies are using currently and may present an opportunity to implement a monitoring system, if not in this first exploration program, then starting shortly thereafter, in order to be a vital component of the monitoring process throughout the potential lifecycle of the exploration and development on YKDFN traditional lands and Loyal Lithium's claims (Item 4 in Project Description).

Q3. Do the water sources meet peak water requirements (we can assume 5 to 10% volume) during periods of minimal surface precipitation and annual water level lows.

Yes, water sources will meet peak water requirements as there are 10 proposed water withdrawal sites a suitable site can be selected to ensure compliance.

Q4. What effort and actions are being taken to extract water from non-potable sources, except when potable sources are plentiful and perennial?

There is the capacity to utilise a water truck sourced from Yellowknife. But this is method is costly, time consuming and contributes to greenhouse gases (burning of fossil fuels) and will produce a higher erosion risk. Although in winter during drilling, this is alleviated by the significant ice and snow ground cover. There appear to be relatively significant volumes of water available across the claims area so that water replenishment from annual precipitation will reload stocks of standing water in lakes and swamps.

Q5. Do the withdraw sites have non-destructive year-round access?

Water withdrawal sites entry areas will be on fresh bedrock only adjacent to the water source. Some water withdrawal sties will be accessible only by helicopter (3, 6 and 9), while the remainder will be accessible by the planned seasonal winter roads. Due to frozen conditions, it is expected that minimal erosion will occur at these locations. The withdrawal sites will not be accessible by road during summer months to minimize erosion. According to the Erosion Management Plan the water withdrawal sites will be inspected for erosion daily and reported upon to the Site Supervisor and recorded in a Site Log Book.

Pre-Planning Questions before field work commences:

Water Use

Q6. Are there any pre-existing water discharges on conditions that may impact the land and water on your leases?

No pre-existing water discharges exist therefore there will be no impact on the land and water from this potential source.

Q7. Given the wind, proximity, hydraulic gradient, etc. what are the risks from adjacent sites/properties/past and present operations that may impinge on the health of the land and water of your current leases

There is lithium exploration to the northwest of Loyal Lithium's planned work area. But that work area is within a different watershed.

Q8. What will be done to ensure that water requirements for operations do not have a negative impact on the life it currently and has historically sustained?

Daily inspections of water sources will be undertaken daily. All observations will be recorded daily into a hardcopy site Log Book.

Water control

Q9. For used water, runoff, etc. what controls will be in place to prevent silting and erosion by the use of sumps, barriers, etc.

The program will utilize multi-tiered sumps that will contain water return and drill cuttings. The first sump will settle out the majority of drill cuttings and an overflow will take the water with less total dissolved solids and particulate matter into the secondary sump before absorbing into the ground. Sediment curtains/silt fencing will be placed down slope of water runoff.

Q10. How will water drill use be returned to the land?

The constructed drill sites will include space for a 2 or 3-tiered drill cutting and water return sump. These sumps are designed for sediment precipitation from the returned drill fluid (water) and allow water to reabsorb into the ground. These cutting sumps will be constructed on each drill site and will allow sediment settling for the near surface rock cuttings. The sumps will be constructed to an approximate 1.5 x 1.5 m surface dimension. Fluids (water) and cuttings will be trenched into the first sump, which will allow for cuttings to settle out before flowing into the next sump and reabsorbing into the ground. Once a hole has been completed, drill cuttings will be disposed of using the mix-bury-cover method (if possible, during winter conditions). The proposed shallow drillholes do not introduce rock compositions that are not already present at/near surface, so no significant geochemical impact is expected. Studies are currently underway to confirm the geochemical nature of the rock. No activity will be

undertaken within the buffer zones of watercourses and care will be taken to ensure drill cuttings do not enter any watercourses.

Q11. Please confirm whether or not there be sumps with grey water from operations on the leases.

There will be no grey water discharges from this project as there are no camp facilities.

Sumps will be 100m from a water course

Drilling is under winter conditions.

Q12. What procedures are in place in the event an artesian water source is struck by operations?

Drill holes will be monitored for the interception of artesian water sources by the driller, geologist and Site Manager. If an artesian water source is intersected that drill hole will be stopped immediately and permanently grouted and plugged at surface.

Water Discharge

Keep drill cuttings/sludge, material from hydraulic stripping, and any discharge from entering freshwater sources or flow from its source uncontrolled.

Q13. What is being done to ensure this?

In freezing conditions, prevent discharged water from building up as a frozen delta that can later flow as an ice tongue downslope into any body of water.

Drill sites are planned to ensure that sumps are located in areas of topographic lows, which will not allow any water to escape upon thawing. Continued monitoring of completed drill sites will be completed throughout the duration of the exploration program to ensure that no build-up of discharged water has occurred. Ongoing monitoring will occur during the development of the project.

Q14. Is there or will there be a closed-circuit facility for drilling mud and flocculating agents (settling pool/sump/tanks/filter/etc.)?

Yes, there will be a closed-circuit facility for drilling muds and flocculating agents with two sumps. One for the initial material and a second for the overflow from the first sump.

Q15. If determined any material is harmful to the land/water/life, will the material be transported to an approved landfill?

Definitely, yes. If any material is determined to be detrimental to the land/water/life the material will be transported to Yellowknife for disposal. Loyal lithium has obtained approval from KBL environmental to dispose of any hazardous and nonhazardous waste produced from the exploration program at their transfer station facility in Yellowknife.

Water Conservation

Use water with prudence, this life force must be treated with dignity. Use shutoff valves when supply lines are not in use, always reuse and recirculate non-potable water.

Sampling, monitoring, and water quality time stamp

Q16. When will water quality parameter sampling, sediment sampling, COPC sampling, and other relevant pre-operation sampling occur?

Baseline sampling will occur before the drilling work commences with samples also collected during and upon completion of drilling. The baseline samples will be compared against results from samples collected during and after drilling to ensure that no significant change in water quality has occurred as a result of the exploration program.

Discharge quality considers contaminants of potential concern (COPC) will be defined through geochemical testing of source materials. SRK Doctor Kirsty Ketchum Principal Geochemist is completing a study on the elements on the rocks that will be encountered on the drill pads and in the drill cuttings, from previous drill holes completed on the project area in the same areas as this new land use permit. This study will be given to both Loyal Lithium and YKDFN to inform of the bedrock characteristics including minerals and elements, to ensure the anticipated sediment is known to be inert (also the bedrock found naturally at surface that produces non-anthropogenic exposed weathered material).

Q17. What will be sampled and how?

The source of water proximal to water withdrawal sites will be sampled before, during and upon completion of drilling (or use of that particular withdrawal site) and sent for analysis. Water samples will be collected in bottles and analyzed for Metals (Total and Dissolved), Hydrocarbons, physical parameters including Total Dissolved Solids (TDS), Total Suspended Solids (TSS), Turbidity, Hardness and pH.

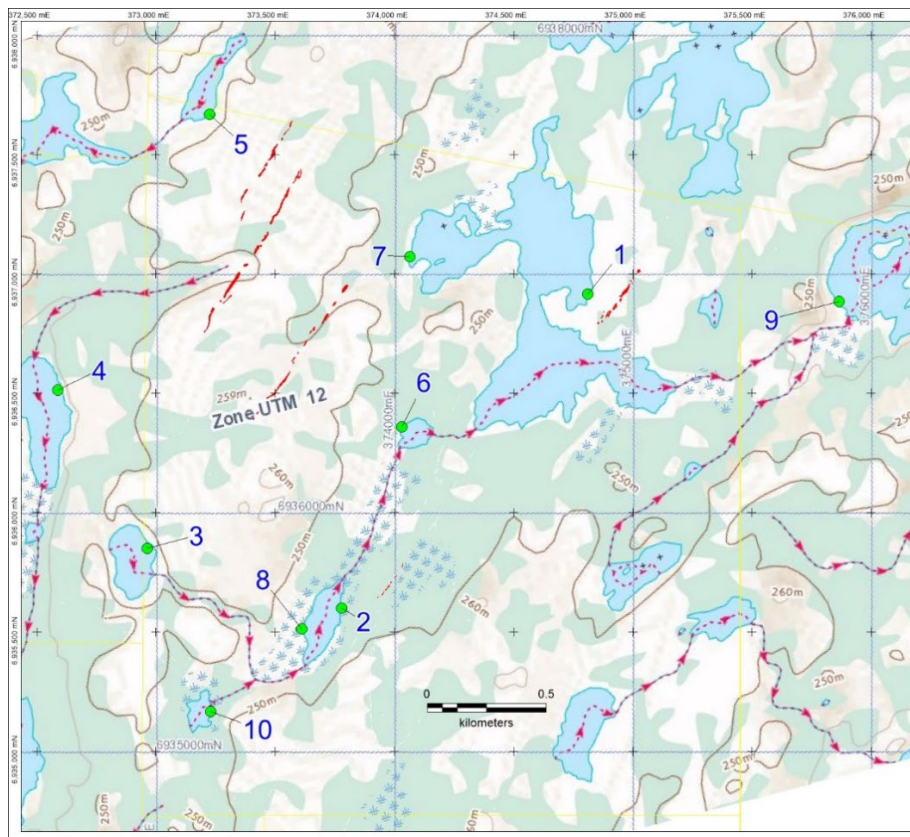
End Use

Q18. What procedures are in place to increase the likelihood of end use (YKDFN culture use) after operations/permit expiration?

As drilling will be undertaken almost exclusively in winter, there will be little to no trace of where the drill pad was once located after the snow and ice melt. Any trees that have been removed due to safety reasons, will be cut up and spread across the 10 metres by 10 metre drill pads to collect wind-blown and water moved rock and/or soil on the predominantly exposed bedrock surface. All drill sites completed during winter months will be revisited in the summer to ensure that these sites have been fully remediated.

Q19. When will the YKDFN be able to return to this site and practice culture as it was practiced before development?

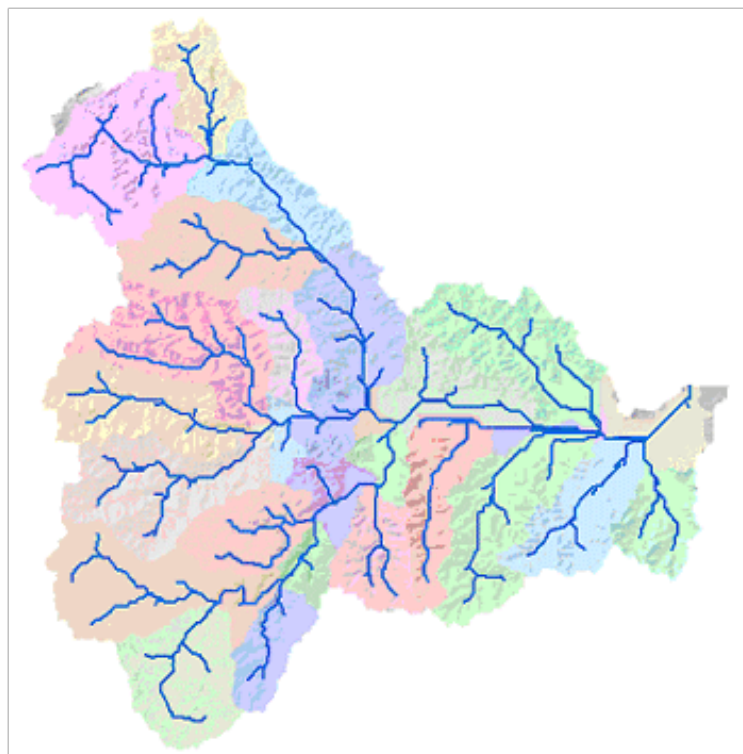
YKDFN can return to this site almost immediately after drilling has occurred. There will be a maximum of 2 drill operating at any time within 10 metres by 10 metre areas. The drill pad sites will be immediately reclaimed in a continuous reclamation process, so that the YKDFN can return immediately after reclamation has occurred, a short time after the drilling has occurred. As drilling is predominantly in winter, Loyal Lithium will not disturb the ground surface due to the presence of snow and ice. The site will be accessible immediately following the exploration drilling. Over the life of the permit, when active work is not being undertaken the area can be used to practice culture.



Hidden Lake Southeast: Plan of proposed water withdrawal sites. The plan illustrates topography with water flow directions shown as dashed lines with arrows. All sites may not be used during winter. There are a small number of drill holes planned with water withdrawal sites to be used at sites 2, 3, 4, 6, 8, 9 and 10. The main sites adjacent to major lithium showings and the majority of planned drill holes are water withdrawal sites 1, 5 and 7. Site 5 will only be used as an alternative to site 7. As pegmatites are resistive to erosion they are located on higher topographic areas, shown in the red straight lines clusters. Within these topographic highs there are depressions that are not water courses but have hard bedrock bases.

APPENDIX I

The high-resolution LIDAR survey will produce a Digital Elevation Model with high resolution orthophotography that Loyal Lithium will complete and then use to model hydrology using a Geographic Information System. Spatial analysis will provide the methods for describing the physical components of the land surface. The hydrologic analysis will identify sinks, determine flow direction, calculate flow accumulation, delineate watersheds, and create stream networks. For example, the image below is of a resulting stream network derived from an elevation model:

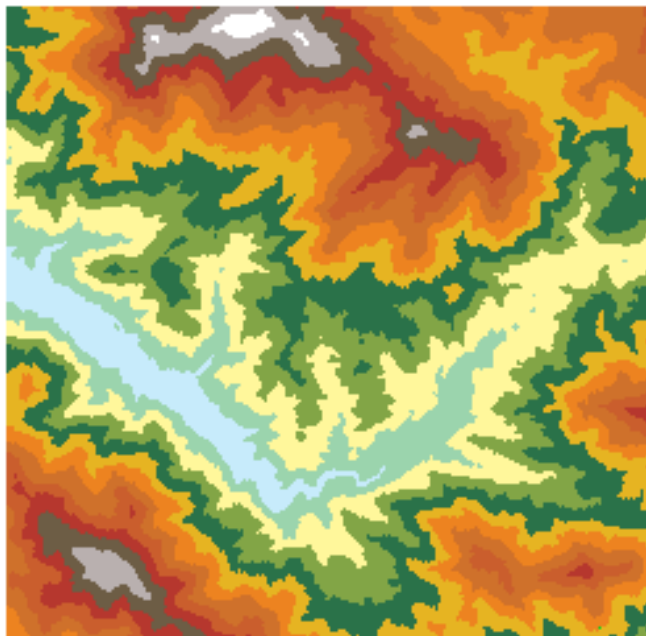


Example stream network derived from elevation model

Using an elevation raster or digital elevation model (DEM) as the input, it is possible to automatically delineate a drainage system and quantify the characteristics of the system.

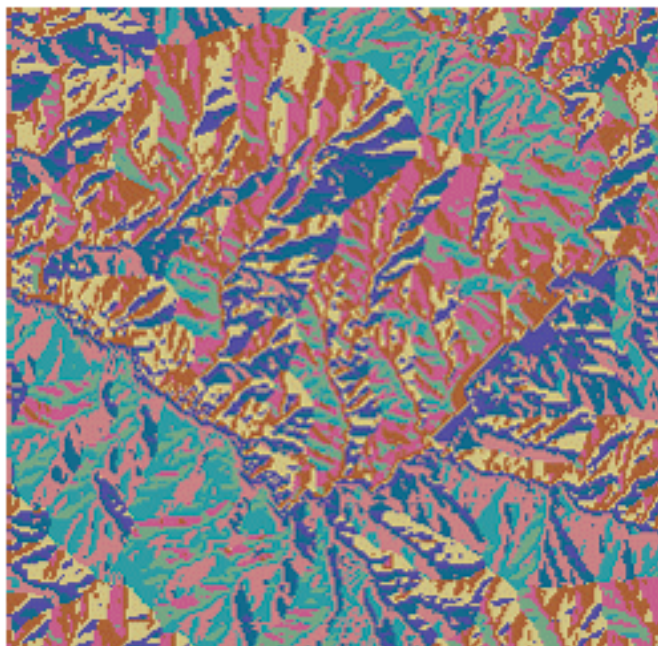
The following graphics illustrate the steps involved in calculating a watershed and stream network from a DEM.

1. The DEM on which the hydrologic analysis will be performed.



Input DEM surface

2. Using the DEM as input, the direction in which water would flow out of each cell is determined.
3. Flow direction is then determined.

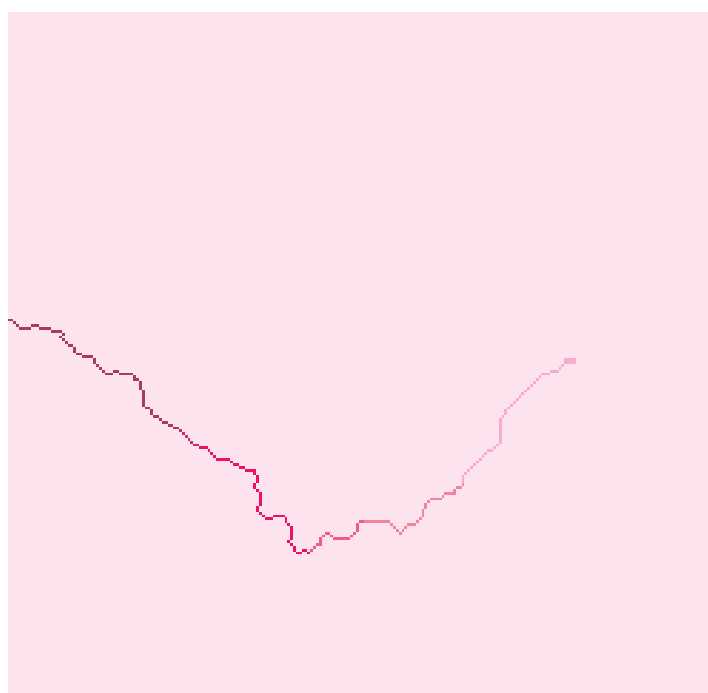


4. The watersheds are delineated for specified locations.



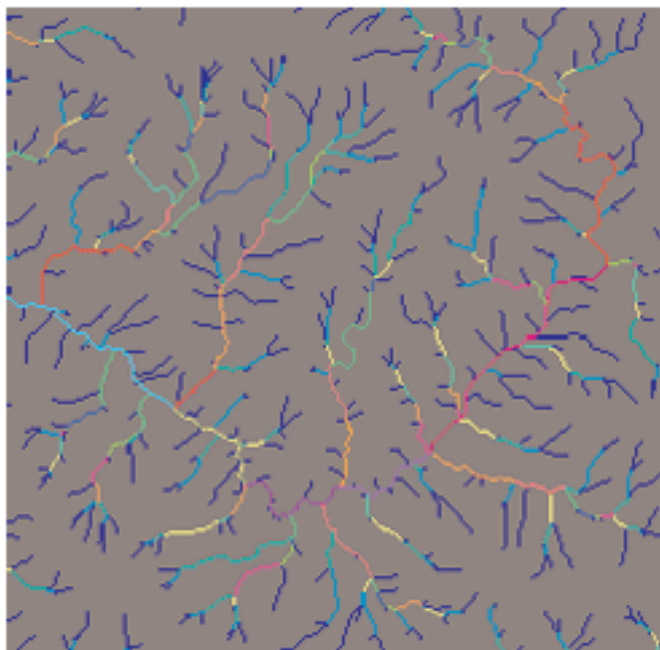
Watersheds are delineated.

5. For a stream network the flow accumulation will calculate the number of upslope cells flowing to a location. The output flow direction raster created in a previous step is used as input.



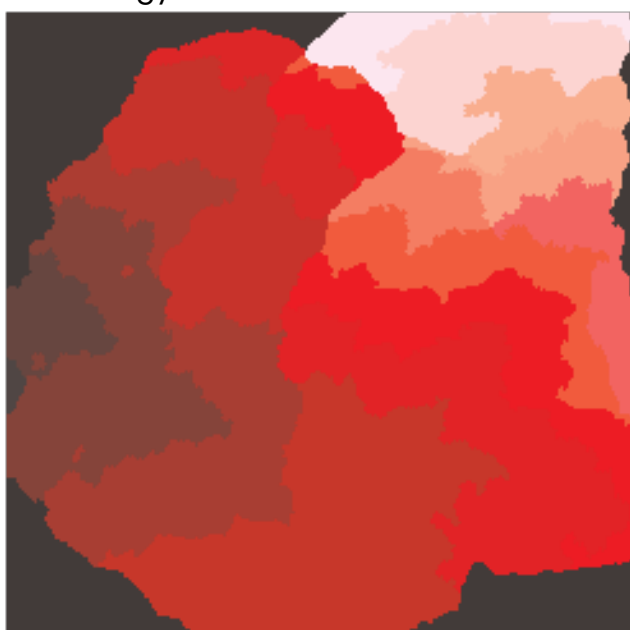
Flow accumulation output

6. All cells with more than a specified number of cells flowing into them will be designated as part of the stream network.
7. The order of each of the segments in a network is categorised as the stream order.



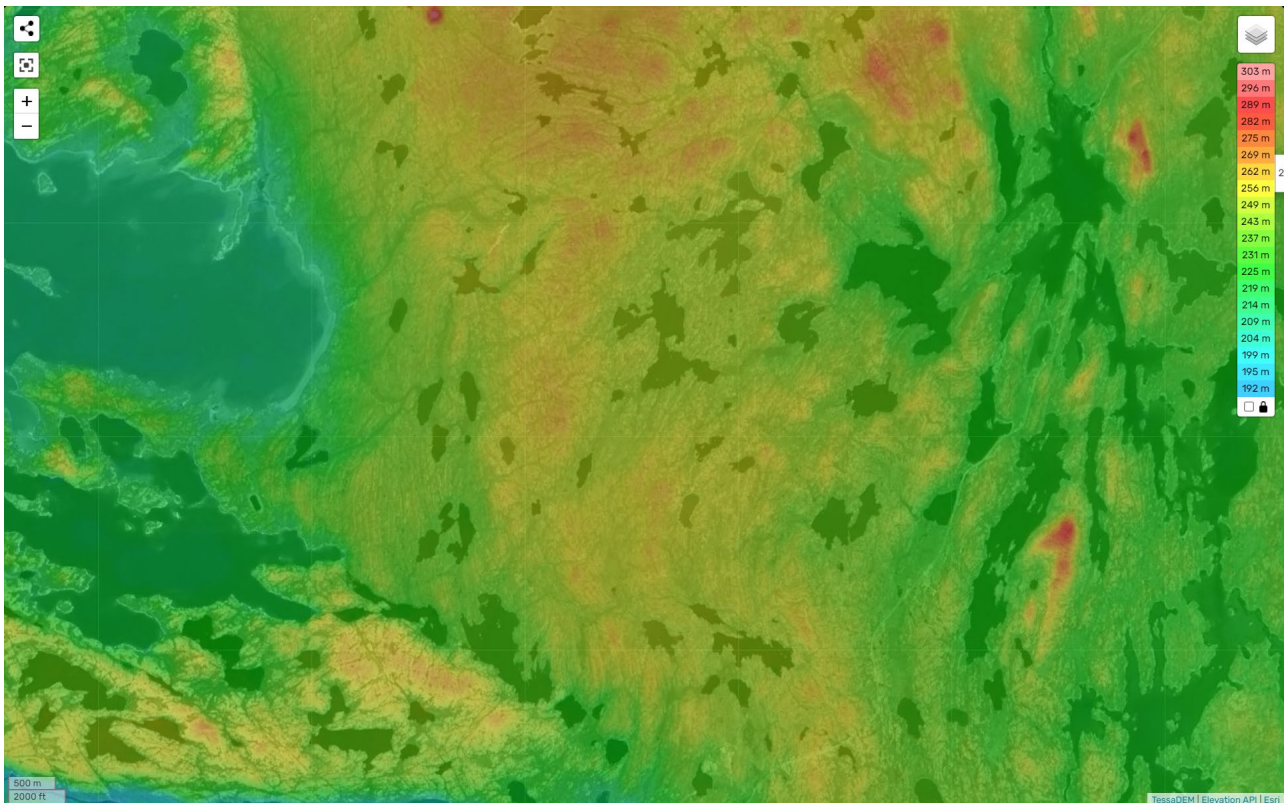
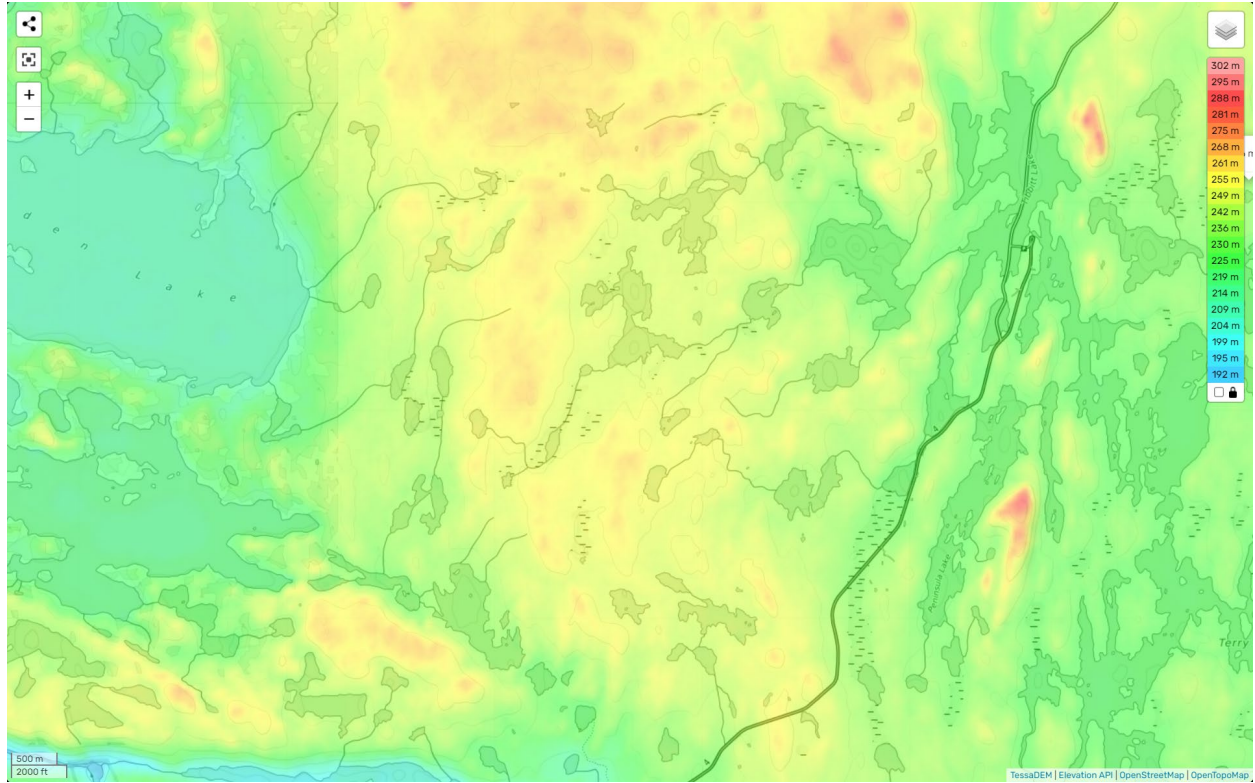
Output from stream ordering

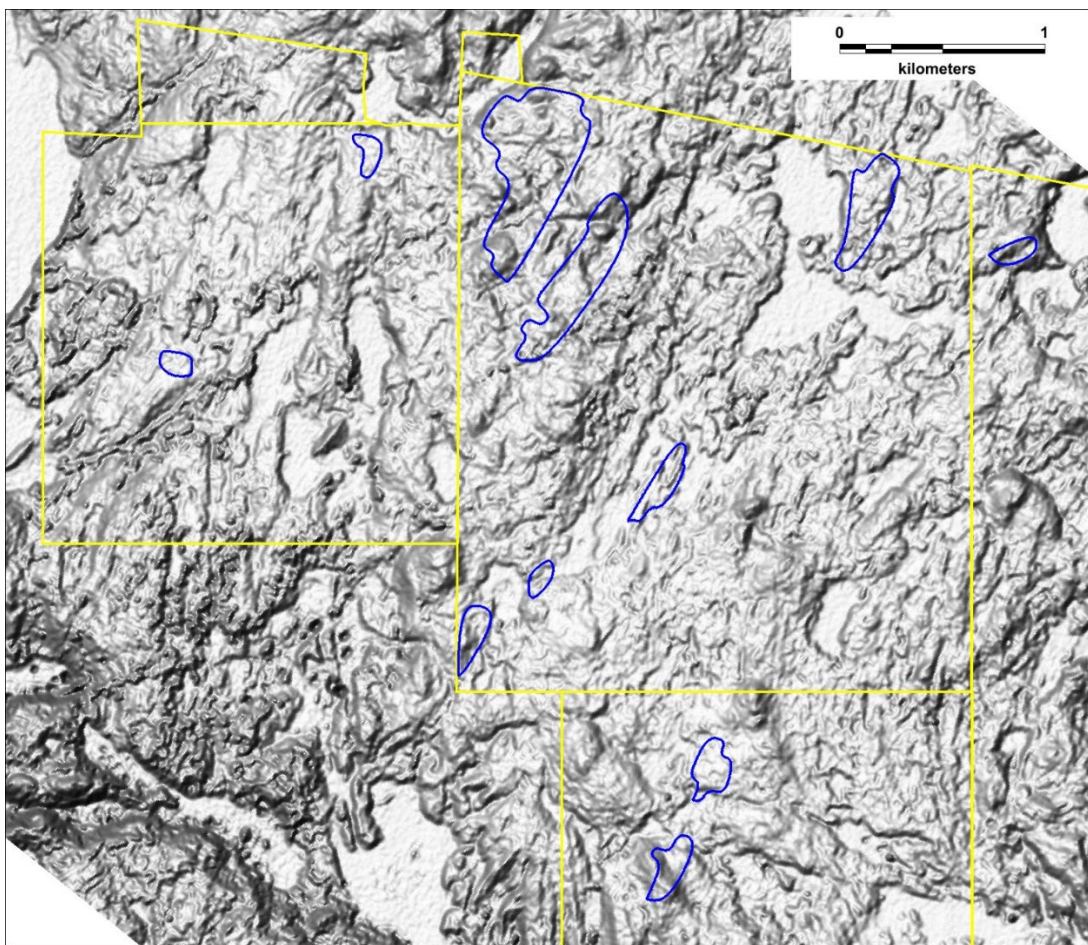
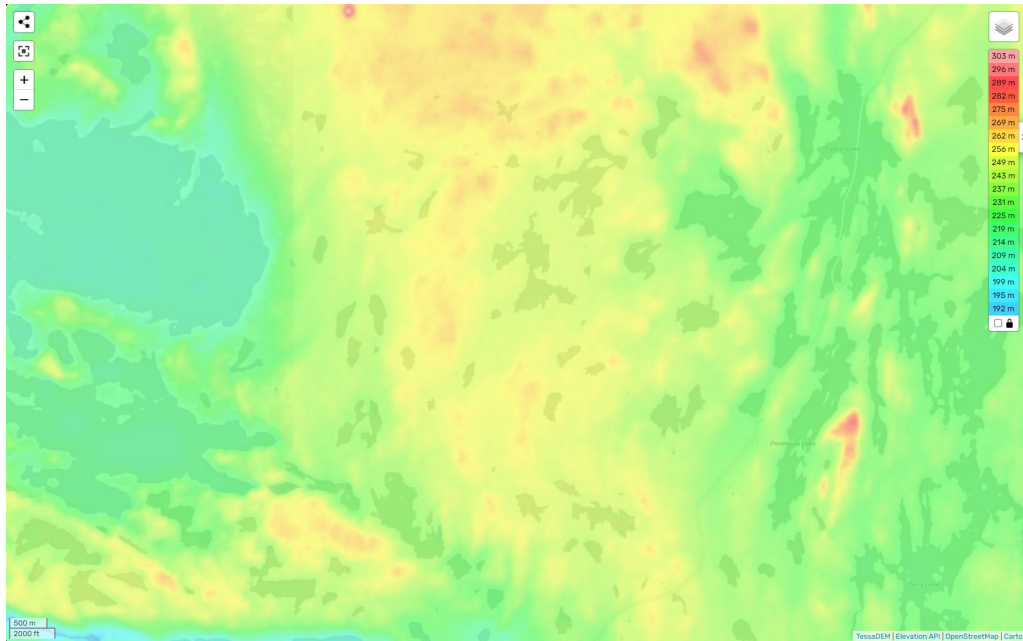
8. The length of the flow path, either upslope or downslope, from each cell within a given watershed can be determined. This is useful for calculating the travel time of water through a watershed and therefore the energy accumulation and erosion risk potential.



Flow length output

Examples of current scale of mapped Hidden Lake Project southeast topography (elevation warm colors are high, cool colors low).





Arctic Digital Elevation Model with proposed drill areas all located on topographic highs