

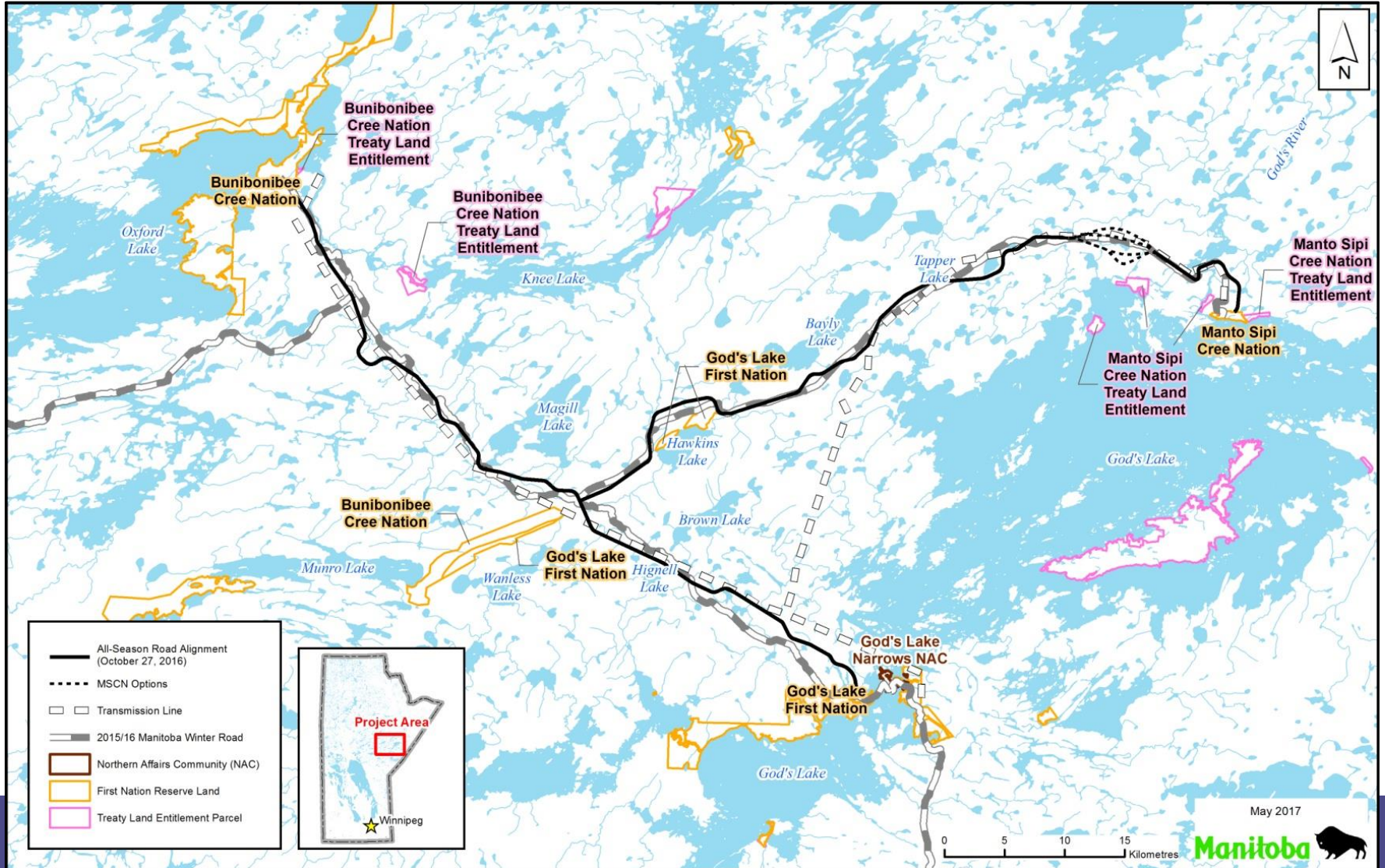
Project 6 – All-Season Road Linking Manto Sipi Cree Nation, Bunibonibee Cree Nation and God’s Lake First Nation

**Environmental Assessment Summary (Round 6) -
Presentation to Manto Sipi Cree Nation
February 22, 2018**

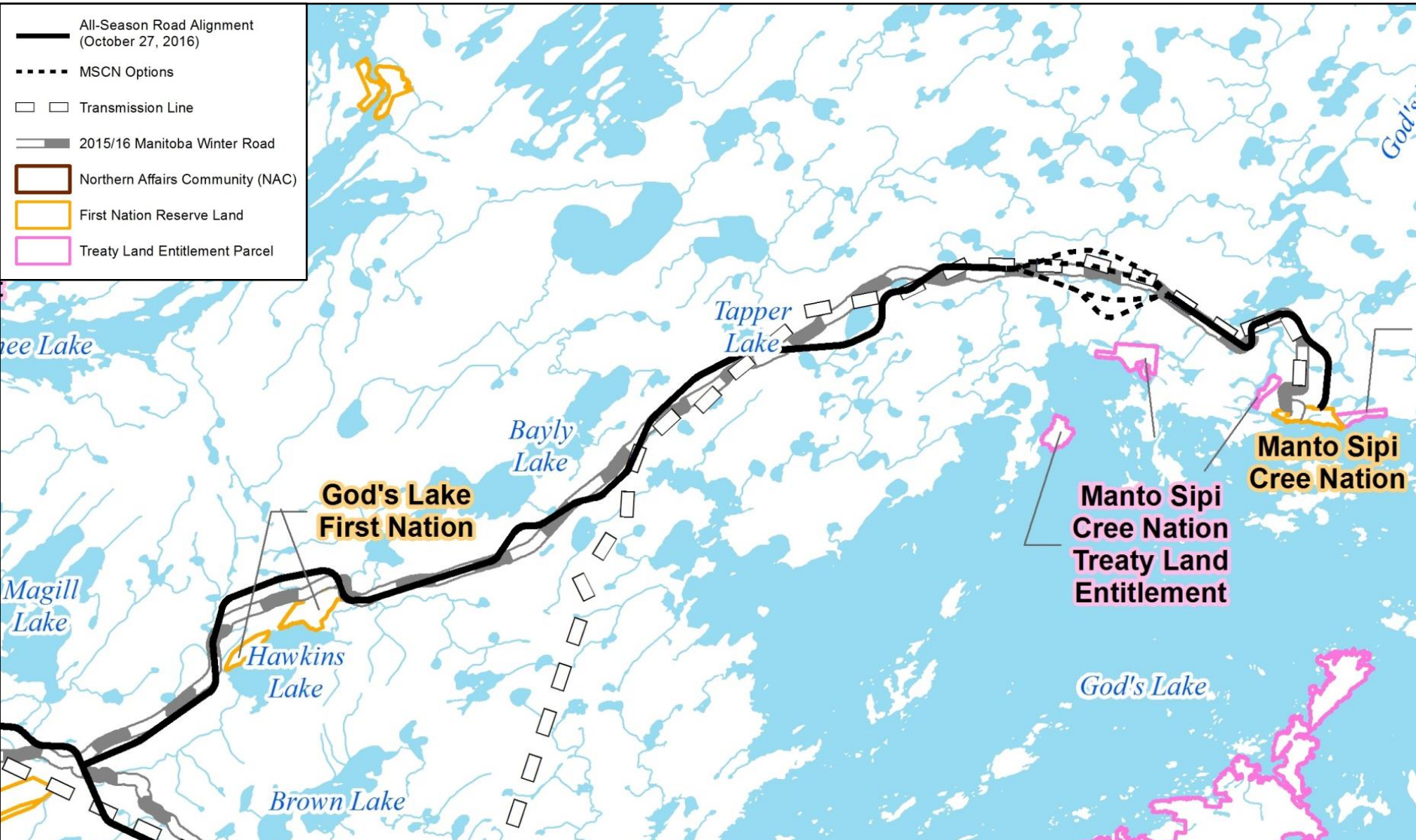
Why are we here?

- Provide information about the proposed P6 All-Season Road Project
- Discuss the previous meeting
- Summarize potential effects and mitigation measures
- Hear from you about what you value, so that it can be considered in the Environmental Assessment (EA) and addressed in the project design

Project P6 – All-Season Road



Project P6 – All-Season Road

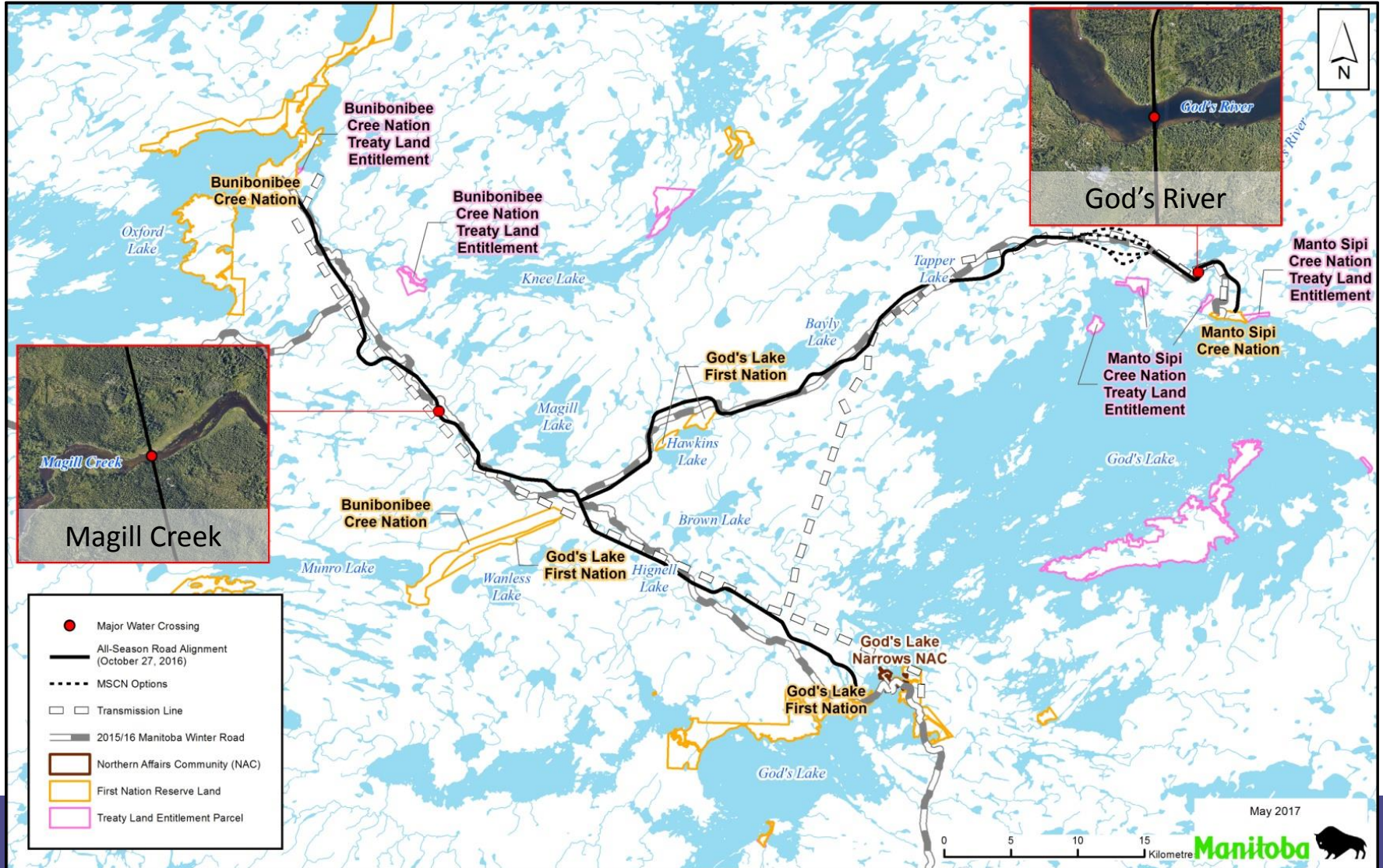


Description of Project P6

- 138.3 km ASR linking Manto Sipi, Bunibonibee and God's Lake:
 - 66.4 km section joining Bunibonibee and God's Lake
 - 71.9 km section from Manto Sipi intersecting the above
- Includes two major water crossings:
 - God's River
 - Magill Creek
- Approximately 51 minor crossings or drainage equalization culverts



Major Water Crossings



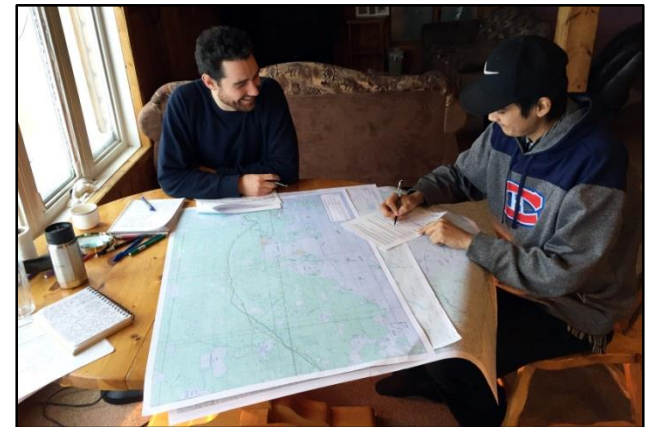
Prior Community Discussions

- Since 2009, meetings have been held with Manto Sipi to discuss the project and select the best road location
 - Community Meetings
 - March 24, 2016
 - February 17, 2012
 - July 4 and October 6, 2011
 - June 10, 2010
 - April 16 and September 22, 2009
 - Meetings with Chief and Council
 - October 25, 2016
 - September 24, 2013
 - January 31, 2013
 - October 6, 2011
 - September 22, 2009



Prior Community Discussions

- Traditional Knowledge (TK) Studies, Workshops and Interviews
 - March 24 and April 26, 2016
 - January 13 - 20, 2016
 - September 24, 2015
 - April 16, 2009
- Past discussions resulted in changes to the potential route to avoid sensitive areas based on community input
- Specifically for the EA a meeting was held on September 22, 2017 (Round 4 and 5 combined)



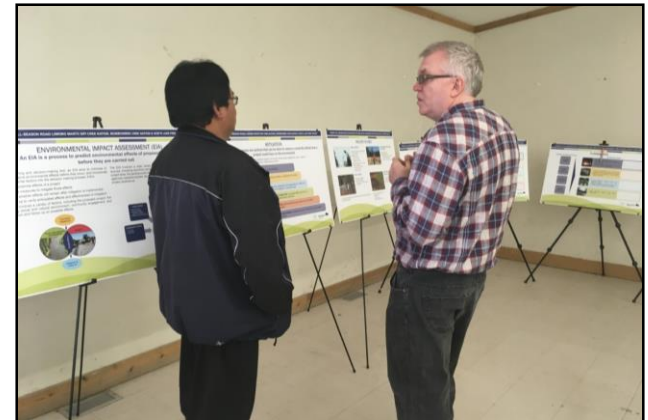
Round 4 and 5 Meeting

- Was held on September 22, 2017
- The purpose of the meeting was to:
 - Provide an overview of the project
 - Inform the community of the overall Environmental Assessment (EA) process
 - Discuss how the proposed road alignment has evolved based on feedback to avoid community sensitive areas
 - Dialogue with the community about which Valued Components should be the focus of the EA process
 - Discuss potential effects and possible mitigation measures



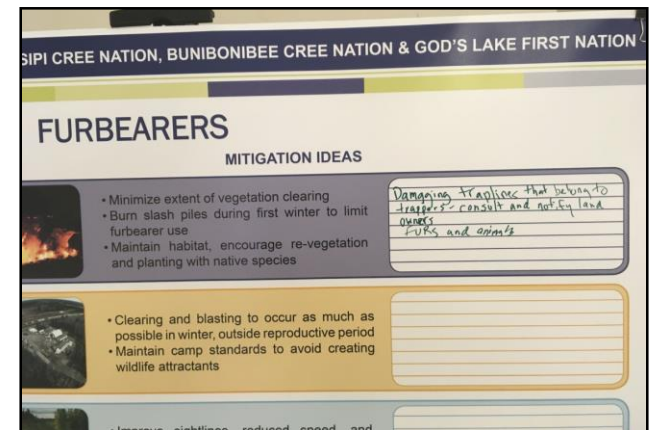
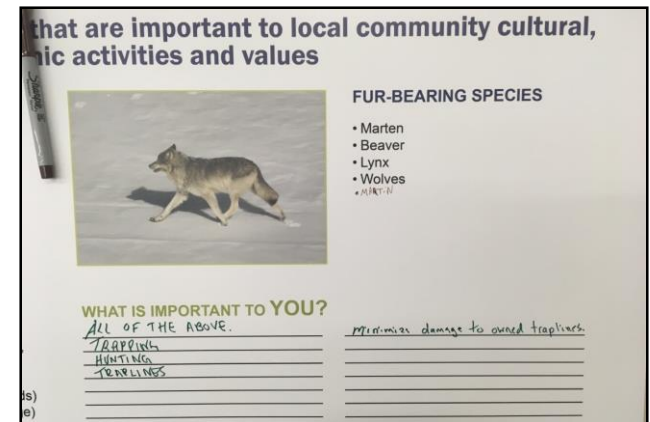
Summary of What We Heard – Round 4 and 5 Meeting

- What we heard from you:
 - Interest in P6 approval and construction timelines, timeframe seems long
 - How long did it take to complete construction of Highway 373 from when it was first proposed
 - Why is a road being built between the three communities before connecting to the Provincial road network
 - Interest in when a connection to Thompson will be built after P6 connects the Cree communities
 - Interested in EA process and who is involved in process. Is only the Chief and Council involved in the process
 - Interest in what type of road P6 will be (ex: single or double lane, divided, gravel or paved)

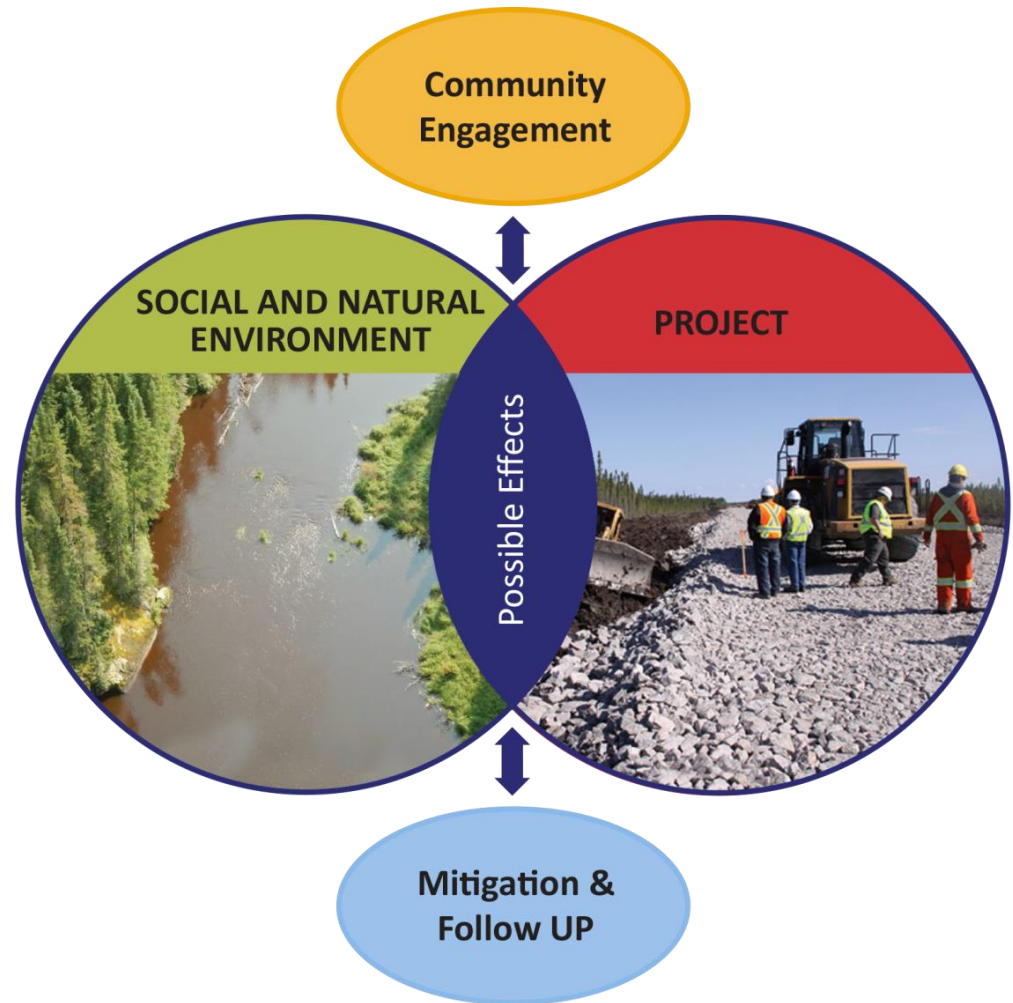


Summary of What We Heard – Round 4 and 5 Meeting

- What we heard from you (continued):
 - Questions were raised regarding what is happening in terms of the four options near the community
 - Interest in whether the winter road will remain operational during construction of the all-season road
 - Questions were raised regarding who will construct the road, what it will cost and who will get the maintenance contracts
 - Questions were raised regarding types of jobs created by the project and education required
 - Interest in trapline areas that the road will go through
 - A request was made for bumps on the winter road to be fixed



What Is Environmental Assessment

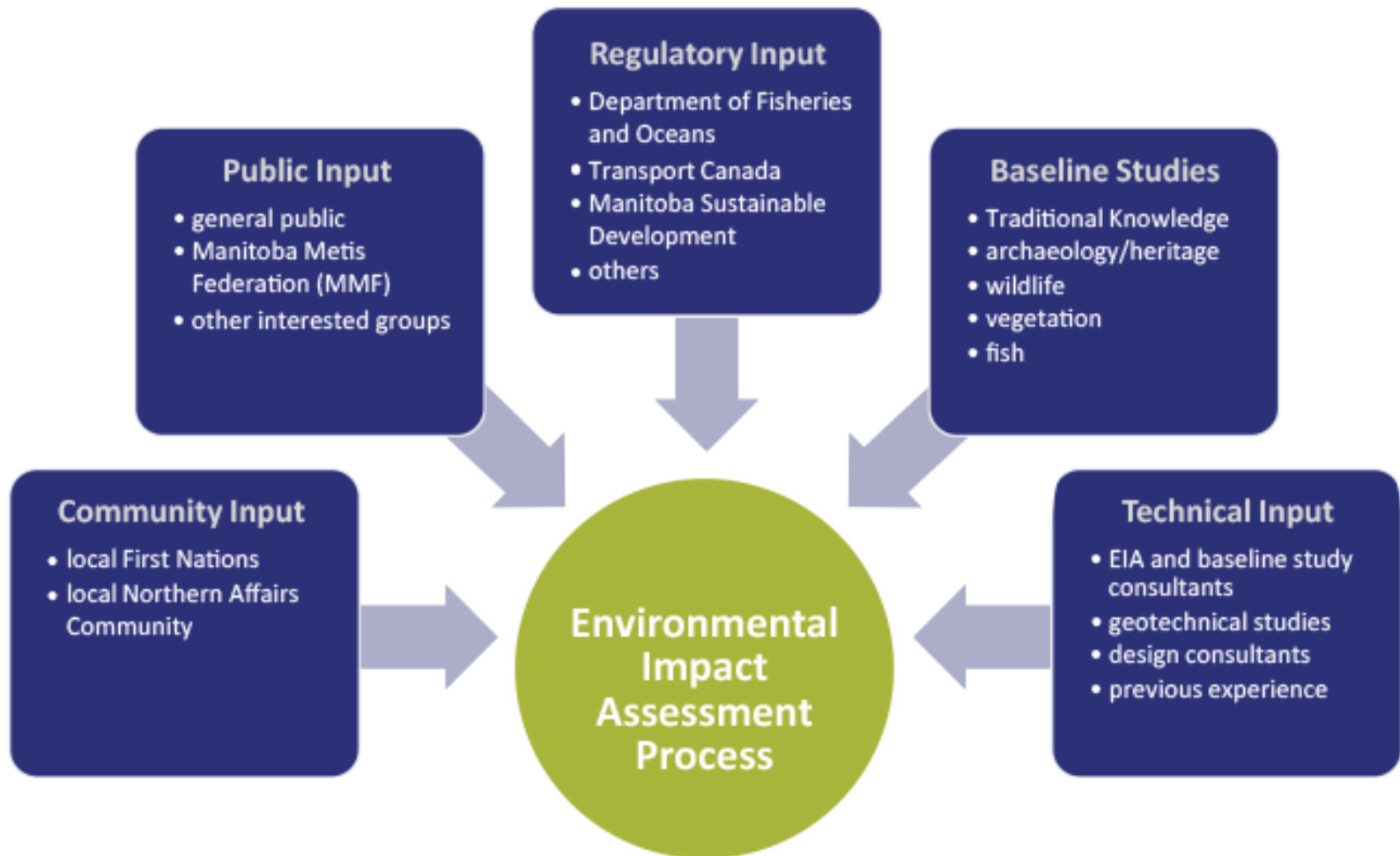


Baseline Data



- Traditional Knowledge (TK)
- Baseline studies to augment TK studies
 - Vegetation
 - Wildlife
 - Archaeology/Heritage
 - Fish and Habitat
- Used to confirm alignment
- Provide information for the Environmental Assessment
- Used to assist in project design and construction

Inputs Into The EA Process



How to Address Possible Effects

Mitigation measures are actions that can be done to avoid or reduce the effects that a project may have on the environment.

AVOID

• **AVOIDING** the effect altogether (most preferred)

MINIMIZE

• **MINIMIZING** effects by limiting the degree or magnitude of the action and its implementation

RESTORE

• **RESTORING** by applying rehabilitation techniques after the effect may have occurred, such as revegetation of disturbed areas

**REDUCE OR
ELIMINATE**

• **REDUCING OR ELIMINATING** the potential effect over time by preservation and maintenance operations

OFFSET

• **OFFSETING** potential effects through measures such as offsite habitat creation

MONITOR

• **MONITORING** the project over time to identify and reduce potential effects

Potential Effects Moose and Caribou

POSSIBLE CHANGES (EFFECTS)

Change in habitat



Disturbance from construction



Accidental wildlife-vehicle collisions



Increased access to resource areas



SUGGESTED MITIGATION

- Limit construction worker activity to project area
- Maintain habitat, encourage natural re-vegetation and planting with native species
- Limit access of right-of-way

- Clearing and blasting to occur as much as possible in winter, outside reproductive period
- Restrict hunting in construction contract areas

- Road design: improved sightlines, reduced speed, and signage on road

- Block temporary access roads after construction

Potential Effects Furbearers

POSSIBLE CHANGES (EFFECTS)

Change in habitat



Disturbance from
construction



Accidental
wildlife-vehicle
collisions



Increased access to
resource areas



SUGGESTED MITIGATION

- Minimize extent of vegetation clearing
- Burn slash piles during first winter to limit furbearer use
- Maintain habitat, encourage re-vegetation and planting with native species
- Clearing and blasting to occur as much as possible in winter, outside reproductive period
- Maintain camp standards to avoid creating wildlife attractants
- Improve sightlines, reduced speed, and signage on road
- Design equalization culverts to provide an alternate means of access for furbearers
- Block temporary access roads after construction

Potential Effects Birds

POSSIBLE CHANGES (EFFECTS)

Change in habitat



Disturbance and displacement from noise



Disturbance of existing nests



Increased access to resource areas



SUGGESTED MITIGATION

- Minimize extent of vegetation clearing
- Maintain riparian buffer zones along water's edge

- Restrict construction worker activity to project area
- Clearing and blasting to occur as much as possible in the winter, outside reproductive period

- No work below high water mark in spring to prevent accidental nest disturbance
- Identification and protection of critical nesting sites during construction
- Buffer around active nests and stick nests

- Restrict hunting in construction areas
- Block temporary access roads after construction limiting access of the right-of-way

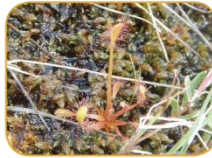
Potential Effects Vegetation

POSSIBLE CHANGES (EFFECTS)

Removal of trees and shrubs in construction areas



Loss of species of concern and habitat from clearing activities



Spread of invasive and non-native species



Change in wetland subsurface water flow



Increased access to resource areas



SUGGESTED MITIGATION

- Minimize extent of clearing to right-of-way, quarries, and borrow pits
- Prohibit equipment outside of construction area

- Minimize extent of clearing to right-of-way, quarries, and borrow pits
- Survey for species of concern

- Reclaim disturbed areas not required for road operation and maintenance
- Restore ground cover in ditches with native species

- Maintain subsurface water flow through design and installation of equalization culverts

- Block access roads after construction

Potential Effects Fish, Reptiles and Amphibians

POSSIBLE CHANGES (EFFECTS)

Habitat loss or change in productivity



Change in water quality from sediment



Improved access to waterways



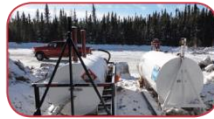
Blocked movements



Changes in water flows



Harm from accidental spills



Introduction of non-native species from equipment



SUGGESTED MITIGATION

- Avoid critical reproduction period and locations
- No work below the high water mark in spring
- Clear in winter and limit clearing near watercourses and restore vegetation
- Use erosion protection and sediment control
- Block access roads after construction
- Design culverts for passage and natural flow
- Design culverts for passage and natural flow
- Protect water quality through proper equipment maintenance, handling and storage of fuel, and disposal of waste
- Prohibit use of herbicides near watercourses
- Ensure equipment working beside or in water has been properly cleaned

Potential Effects Heritage and Cultural Sites

POSSIBLE CHANGES (EFFECTS)

Loss or disturbance to
heritage, culture (sacred) or
community use sites



SUGGESTED MITIGATION

- Avoid known heritage sites or recover artifacts
- Maintain buffers and temporary fencing around heritage sites that are near the proposed All-Season Road during construction
- Conduct appropriate community and cultural activities prior to construction activities or disturbance of the land
- Limit equipment and workers to construction areas
- Block temporary access roads after construction

Potential Effects Traditional Resource Activities

POSSIBLE CHANGES (EFFECTS)

Loss of traditionally used plants from clearing



Change to moose/caribou distribution affecting hunting



Change to furbearer distribution affecting trapping



Change in fishery harvest and collection of aquatic plants and fish eggs



Limiting travel routes for resource harvesting



Increased access to resource areas



SUGGESTED MITIGATION

- Map important traditional use areas for project planning and design (routing and set backs)

- Protect moose and caribou (*see boards*)

- Protect furbearers (*see boards*)

- Maintain access to traplines and trails during construction

- Design trail crossings to maintain trapper access and trails

- Protect fish, reptiles, amphibians (*see boards*)

- Provide an approach for current users to cross the road and signs posted showing the road crossing at portages

- Block temporary access roads after construction

Schedule

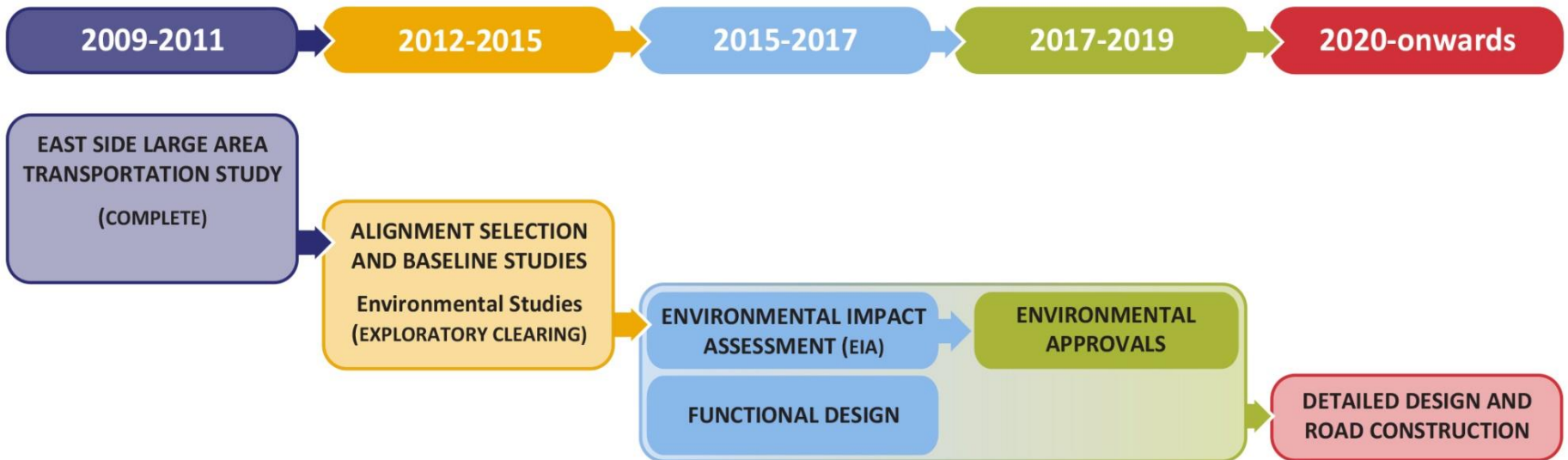


Table Talks!

Please stay and talk with us!

- We want to hear and learn from you!
- Write on the boards
- Tell us what is important to you, and what should be considered
- Please complete a comment sheet

Next Steps:

- Finalize the Environmental Impact Statement and submit to federal and provincial regulators by early 2018
- On-going communication and dialogue with the communities



Thank you for your participation



Contact Information:
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