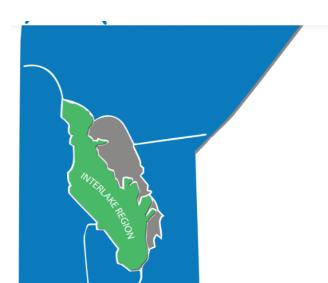


- About IRTC
- Departments

The Interlake Reserves Tribal Council Inc. (IRTC) consists of a partnership of six (6) Manitoba Interlake communities working together to advance our collective well-being of members from the following communities:

- Dauphin River First Nation
- · Kinonjeoshtegon First Nation
- Lake Manitoba First Nation
- Little Saskatchewan First Nation
- Peguis First Nation
- · Pinaymootang First Nation



Total Registered (As of July 2018)

306

Dauphin River First Nation

694

Kinonjeoshtegon First Nation

1,851

Lake Manitoba First Nation

1,092

Little Saskatchewan First Nation

8,835

Peguis First Nation

2,905

Pinaymootang First Nation



Our Communities

Interlake Reserves Tribal Council, Inc.

Context

Climate change impacts vs Human induced impacts

Climate change and Emergency management



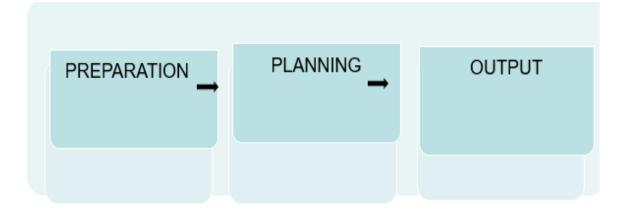
Project Objective:

To understand current (and past) impacts of climate change by conducting a vulnerability risk assessment in order to strengthen efforts in disaster risk reduction (DRR)

Stepwise approach focused on adaptation:

---- Risk management and adaptive capacity

---- Adaptation planning



- Design methodology
- Design participatory tools
- Conduct engagement/introduct ory workshops

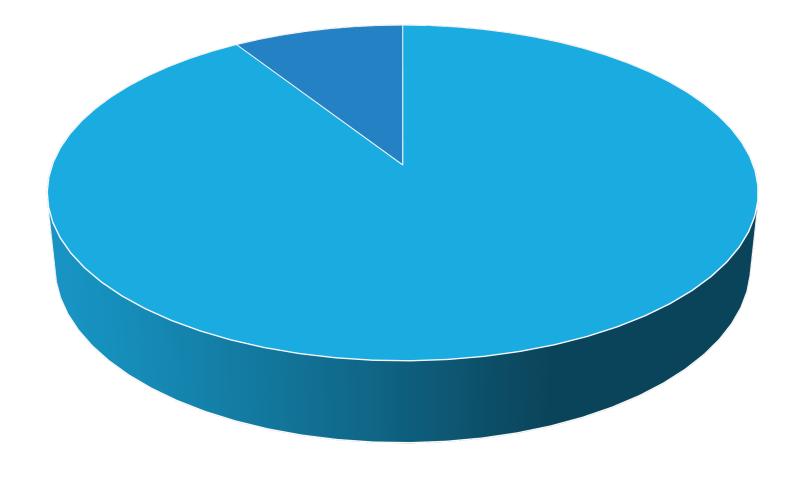
- Conduct community mapping
- Prepare community risk profiles and maps
- Conduct community planning workshops
- · Interviews/surveys

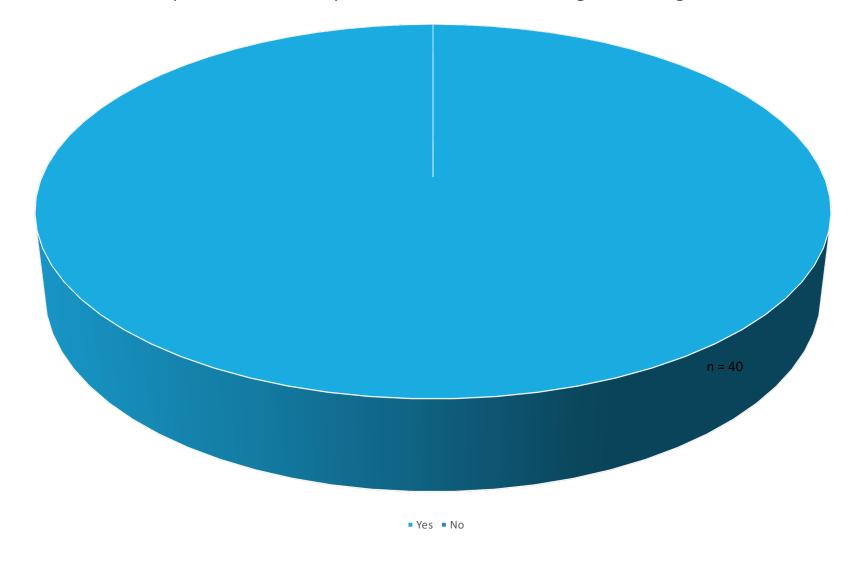
- Community risk profiles and assessment documents.
- Framework for adaptation plans



Climate Change Perception

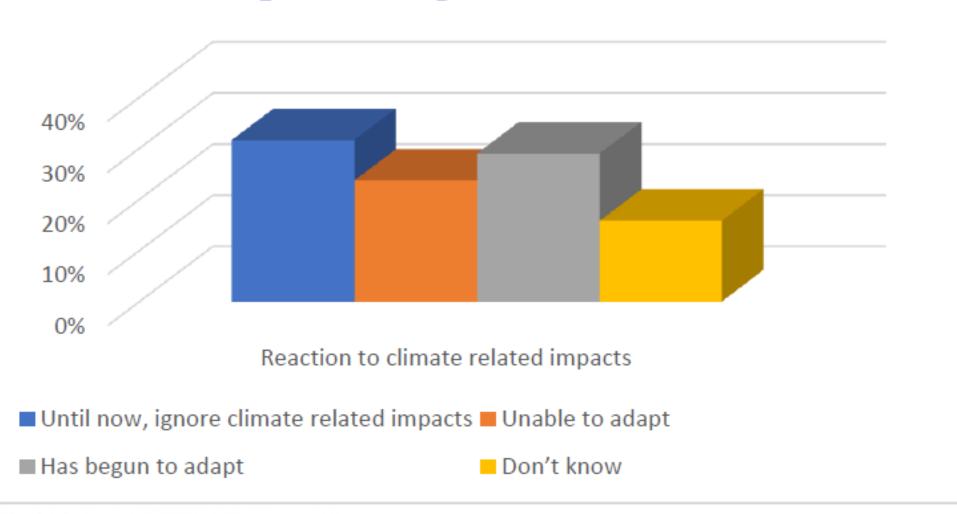
Ninety- One percent of community members believe that climate change is real - Dauphin River First Nation





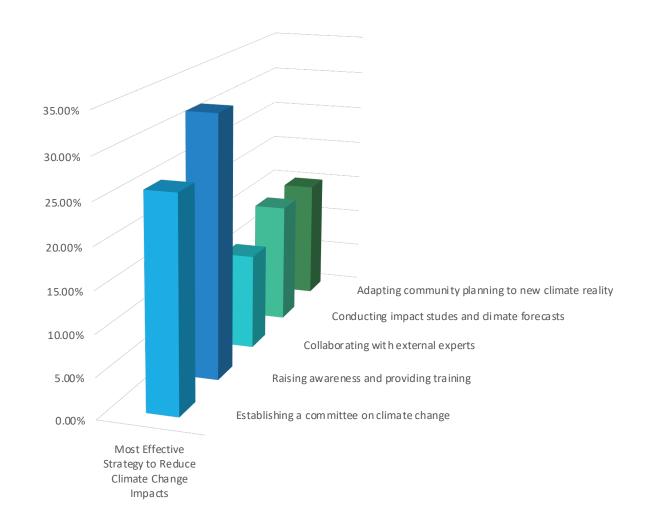
Source: IRTC climate change project

Community Reaction to Climate Change Impacts - Peguis First Nation





Most Effective Strategy to Reduce Climate Change Impacts - Pinaymootang First Nation

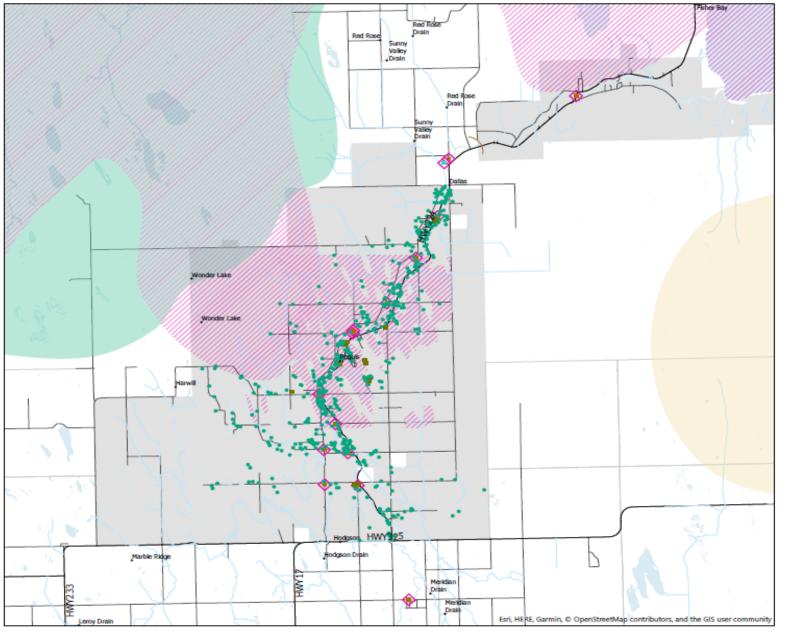


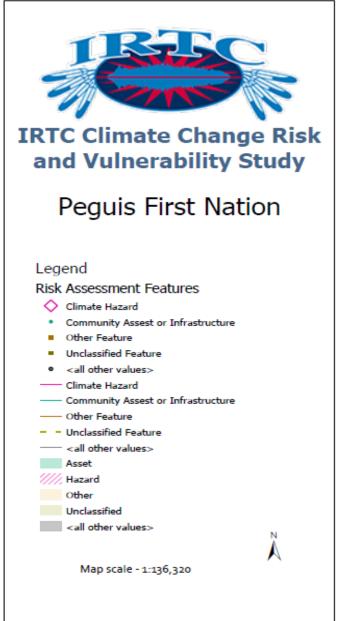
Community Risk Mapping

- Using a participatory approach that integrates traditional knowledge in adaptation planning, climate risks maps were produced.
- Community members, including leaders, resource users (hunters, fishermen.), and elders, were selected in the various mapping sessions organized.
- Oral stories, in addition to qualitative assessments, were used to identify and assess climate hazards and its level of impact.
- These data were put on the physical map provided, and later converted into GIS layers.



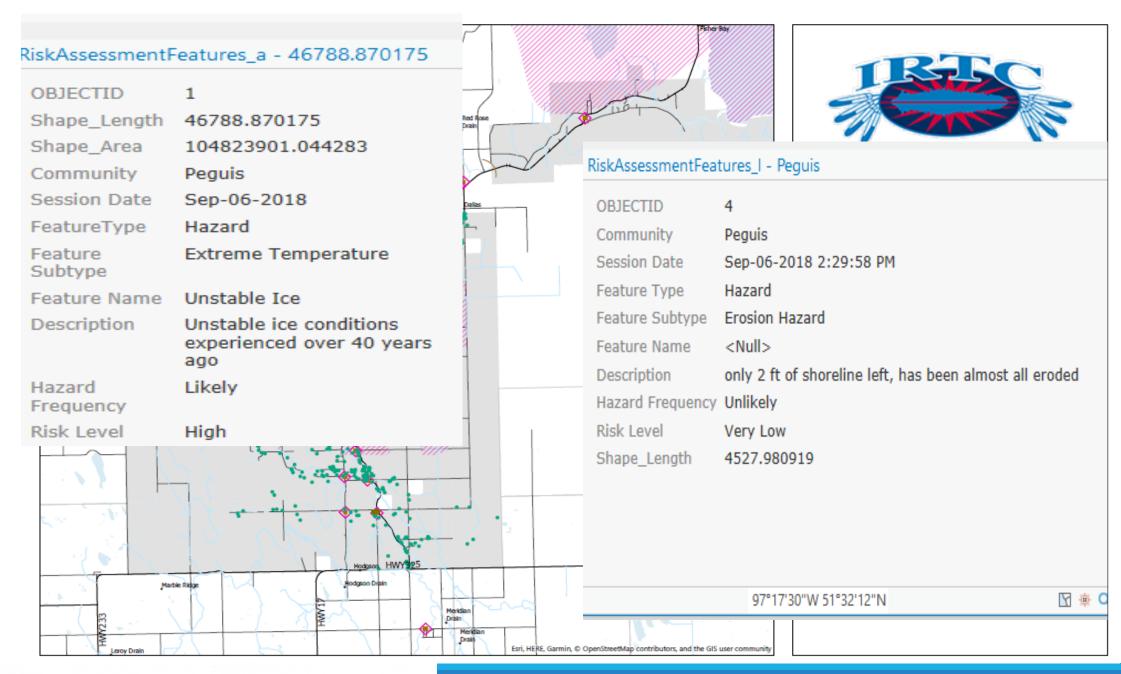








Disclaimer: The maps shown here are still in the process of refinement, as data collection and analysis are still ongoing. Subsequent iterations will be done in the next months/years





Community Mapping Project: IRTC Climate Change Risk and Vulnerability Study

Dauphin River First Nation



			1/2
RiskAssessmentFe	atures_a		1/2
OBJECTID	69	RiskAssessmentFea	tures_a - 100.187
Shape_Length	2620.4	OBJECTID	60
Shape_Length Shape_Area	376359		100.187893
Community	Dauphi		743.629726
Session Date	Oct-19-		Dauphin River
FeatureType	Hazard		Oct-19-2018 2:2
Feature Subtype			Asset
Feature Name	Berry P		Community Infra
Description	Berry s		New Cemetery
Description	and sas		Gravesites satur
Hazard	<null></null>	Hazard Frequency	
Frequency		Risk Level	<null></null>
Risk Level	<null></null>		
98	°4'29"W 5		
		98°3	'40"W 51°57'42"N
		1/2////	
	////		
"////	////		
11//		Esri, HERE, Garr	nin, © OpenStr
	-////	//×	•



Camera Manual During Climate Change Dishard RiskAssessmentFeatures_a - 1015.835616 t Nations OBJECTID 82 _Kashepakok/// Legend Shape Length 1015.835616 RiskAssessmentFeatures_a - 4737.203097 80009 0 Shape_Area 74234.862669 ures_p Community Little Saskatchewan OBJECTID 85 t or Infrastructure Pineir Session Date Nov-05-2018 2:29:30 PM Shape Length 4737,203097 Lake Shape_Area 1551028.592987 FeatureType Asset ures_l Community Pinaymootang Feature Subtype Traditional Resource Session Date Oct-02-2018 2:29:30 PM t or Infrastructure Feature Name Berry Patch FeatureType Asset Description non existent today Feature Subtype Traditional Resource ures a Hazard Frequency < Null> whitefish and catfish habitat Feature Name Risk Level <Null> Description Lost due to water regulation Hazard Frequency < Null> Risk Level <Null> Fairioru Big Fisher Island .80,179 Little Fisher 98°41'7"W 51°36'59"N Island Reed Island Esri, HERE, Garmin, © OpenStreetMap contributors, and the GIS user community





Climate Hazards and Risk levels - Peguis

Hazard	Frequency	Category	Risk Level	Description
Extreme	5	Likely	31 -40	High
Temperatures				
Flood	6	Almost Certain	41 -50	Very High
Fog	5	Likely	11-20	Low
Tornado	2	Very unlikely	11-20	Low
Windstorm	4	Probable	31-40	High
Snowstorm	5	Likely	31-40	High
Lightening	4	Probable	11-20	Low
Hail	3	Unlikely	11-20	Low
Wildfire	5	Likely	31-40	High
Freezing rain	3	Unlikely	11-20	Low
Erosion	3	unlikely	Below 10	Very low
Agricultural	3	unlikely	11-20	low
emergency		_		
Drinking water	4	Probable	21 -30	moderate
emergency				

Climate Hazards – Dauphin River

Hazard	Frequency	Category	Risk Level	Description
Extreme	6	Almost Certain	41-50	Very high
Temperatures				' -
Flood	6	Almost certain	41-50	Very high
Fog	4	Probable	21-30	Moderate
Tornado	4	Probable	Below 10	Very low
Windstorm	4	Probable	21-30	Moderate
Snowstorm	5	Likely	31-40	High
Lightening	5	likely	11-20	low
Hail	4	Probable	11-20	low
Wildfire	5	Likely	31-40	high
Freezing rain	4	Probable	21-30	moderate
Erosion	4	Probable	31-40	High
Agricultural	5	Likely	31-40	High
emergency		_		
Drinking water	5	Likely	31-40	High
emergency				

Climate Hazards - Pinaymootang

Hazard	Frequency	Category	Risk Level	Description
Extreme	6	Almost certain	31-40	High
Temperatures				
Flood	5	Likely	31-40	High
Fog	4	Probable	21-30	moderate
Tornado	1	rare	Below 10	Very low
Windstorm	2	Very unlikely	11-20	Low
Snowstorm	5	Likely	31-40	high
Lightening	4	probable	21-30	Moderate
Hail	4	probable	21-30	Moderate
Wildfire	4	probable	21-30	moderate
Freezing rain	3	unlikely	21-30	moderate
Erosion	4	probable	21-30	moderate
Agricultural	5	likely	31-40	High
emergency				
Drinking water	5	likely	31- 4 0	High
emergency				

Climate Hazards - Little Saskatchewan

Hazard	Frequency	Category	Risk Level	Description
Extreme	5	Likely	41-50	Very high
Temperatures		-		
Flood	5	Likely	1 1-50	Very high
Fog	4	Probable	21-30	Moderate
Tornado	4	Probable	21-30	moderate
Windstorm	4	Probable	21-30	moderate
Snowstorm	5	Likely	41-50	Very high
Lightening	5	Likely	41-50	Very high
Hail	4	Probable	21-30	Moderate
Wildfire	4	Probable	21-30	moderate
Freezing rain	5	Likely	41-50	Very high
Erosion	4	Probable	11-20	low
Agricultural	3	Unlikely	21-30	Moderate
emergency				
Drinking water	3	Unlikely	21-30	Moderate
emergency				

Workshops, Capacity Building, Engagement Sessions



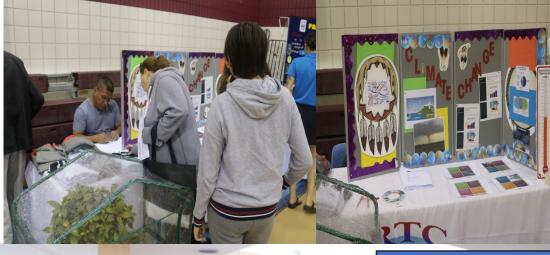






Climate school workshop -Pinaymootang First Nation







School workshops

Engagement sessions

Ongoing/future projects

Thank you Merci Mii'gwetch