

2024



**EASTERN ATHABASCA REGIONAL
MONITORING PROGRAM**



**INFO@EARMPCOM
WWW.EARMPC.A**





elets'elts'uni zaa

Dene meaning for the month of January - kissing month

opāwāhcikanasīs

Cree meaning for the month of January - frost exploding moon



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
31	1 New Year's Day	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

The Eastern Athabasca Regional Monitoring Program (**EARMP**) is a long-term environmental monitoring program that started in 2011 and has run every year since. It was established under the Province of Saskatchewan's Boreal Watershed Initiative.



DECEMBER 2023

S	M	T	W	TH	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

FEBRUARY

S	M	T	W	TH	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	

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2024

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saduwaze zaa

Dene meaning for the month of February - short month

kisip̄sim

Cree meaning for the month of February - the great moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	Valentine's Day 21	22	23	24
25	Family Day 26	27	28	29	1	2

The **EARMP** works with First Nations and communities in the Athabasca Basin to check if traditionally harvested foods are safe by collecting and testing water, fish, berry, mammal, and bird tissue samples. Thank you to all community members who participate each year!



JANUARY							MARCH						
S	M	T	W	TH	F	S	S	M	T	W	TH	F	S
	1	2	3	4	5	6						1	2
7	8	9	10	11	12	13	3	4	5	6	7	8	9
14	15	16	17	18	19	20	10	11	12	13	14	15	16
21	22	23	24	25	26	27	17	18	19	20	21	22	23
28	29	30	31				24	25	26	27	28	29	30
							31						

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2024

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hah zaa

Dene meaning for the month of March - geese month

mikisiwipism

Cree meaning for the month of March - eagle moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
25	26	27	28	29	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
St. Patrick's Day		First Day of Spring				
24	25	26	27	28	29	30
31						
Easter					Good Friday	

Our Community Reports are generated each year and are available to the public. You can read them on the **EARMP.CA** website.



FEBRUARY

S	M	T	W	TH	F	S	S	M	T	W	TH	F	S
				1	2	3	1	2	3	4	5	6	
4	5	6	7	8	9	10	7	8	9	10	11	12	13
11	12	13	14	15	16	17	14	15	16	17	18	19	20
18	19	20	21	22	23	24	21	22	23	24	25	26	27
25	26	27	28	29			28	29	30				

APRIL

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2024

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ts'aali zaa

Dene meaning for the month of April - frog month

niskipism

Cree meaning for the month of April - goose moon



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4

There are three Indigenous Nations and four communities in the region that participate in the **EARMP** each year, including Black Lake Dēnesųłné First Nation, Fond du Lac Dēnesųłné First Nation, Hatchet Lake Dēnesųłné First Nation, Stony Rapids, Wollaston Lake, Camsell Portage, and Uranium City.



MARCH

S	M	T	W	TH	F	S	S	M	T	W	TH	F	S
					1	2			1	2	3	4	
3	4	5	6	7	8	9	5	6	7	8	9	10	11
10	11	12	13	14	15	16	12	13	14	15	16	17	18
17	18	19	20	21	22	23	19	20	21	22	23	24	25
24	25	26	27	28	29	30	26	27	28	29	30	31	
31													

MAY

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2024

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egheze

Dene meaning for the month of May - egg month

athīkipīsim

Cree meaning for the month of May - frog moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
Mother's Day						
19	20	21	22	23	24	25
	Victoria Day					
26	27	28	29	30	31	1

Harvesting and consuming traditional foods are an important part of the culture in northern Saskatchewan which maintains a connection to the land and contributes to an overall healthy lifestyle through physical activity and healthy eating.



APRIL							JUNE						
S	M	T	W	TH	F	S	S	M	T	W	TH	F	S
	1	2	3	4	5	6							1
7	8	9	10	11	12	13	2	3	4	5	6	7	8
14	15	16	17	18	19	20	9	10	11	12	13	14	15
21	22	23	24	25	26	27	16	17	18	19	20	21	22
28	29	30					23	24	25	26	27	28	29
							30						

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egheze yehole zaa

Dene meaning for the month of June - egg hatching month

opiniyāwīwpīsim

Cree meaning for the month of June - egg laying moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
Father's Day				First Day of Summer	National Indigenous Peoples Day	
23	24	25	26	27	28	29
30						

Community members helped select the location for water samples at the beginning of the program. The sample locations for fish, berries, mammals, and birds are determined each year by community members and focus on locations routinely used for fishing, hunting, and gathering.



MAY							JULY						
S	M	T	W	TH	F	S	S	M	T	W	TH	F	S
			1	2	3	4	1	2	3	4	5	6	
5	6	7	8	9	10	11	7	8	9	10	11	12	13
12	13	14	15	16	17	18	14	15	16	17	18	19	20
19	20	21	22	23	24	25	21	22	23	24	25	26	27
26	27	28	29	30	31		28	29	30	31			

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bek'e echeth zaa

Dene meaning for the month of July - baby chicks

opaskowip̄sim

Cree meaning for the month of July - egg hatching

July

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30	1	2	3	4	5	6
	Canada Day					
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

The collection of samples is carried out by a community member, either independently or with a staff member from CanNorth. Over 1000 samples have been collected since the start of the **EARMP!**



JUNE							AUGUST							
S	M	T	W	TH	F	S	S	M	T	W	TH	F	S	
						1						1	2	3
2	3	4	5	6	7	8	4	5	6	7	8	9	10	
9	10	11	12	13	14	15	11	12	13	14	15	16	17	
16	17	18	19	20	21	22	18	19	20	21	22	23	24	
23	24	25	26	27	28	29	25	26	27	28	29	30	31	
30														

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bek'e ideli zaa

Dene meaning for the month of August - bird first flying month

ohpahowip̄sim

Cree meaning for the month of August - flying up moon



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29	30	31	1	2	3
4	5 Saskatchewan Day	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

The results of **EARMP** have shown that traditional foods are safe to eat. The measured levels in water, fish, berries, bird, and mammal samples are similar to natural background.



JULY							SEPTEMBER						
S	M	T	W	TH	F	S	S	M	T	W	TH	F	S
	1	2	3	4	5	6	1	2	3	4	5	6	7
7	8	9	10	11	12	13	8	9	10	11	12	13	14
14	15	16	17	18	19	20	15	16	17	18	19	20	21
21	22	23	24	25	26	27	22	23	24	25	26	27	28
28	29	30	31				29	30					

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September

bek'e elghadi zaa

Dene meaning for the month of September
- caribou or moose mating month

nimitahamowipisim

Cree meaning for the month of September - rutting moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
	Labour Day					
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5
First Day of Fall	National Day for Truth and Reconciliation					

Concentrations of chemicals in water are low and meet the Canadian and Saskatchewan guidelines for drinking water and the protection of fresh water. A reminder that it's always advised to boil water from lakes before consuming.



AUGUST

S	M	T	W	TH	F	S	S	M	T	W	TH	F	S	
					1	2	3			1	2	3	4	5
4	5	6	7	8	9	10	6	7	8	9	10	11	12	
11	12	13	14	15	16	17	13	14	15	16	17	18	19	
18	19	20	21	22	23	24	20	21	22	23	24	25	26	
25	26	27	28	29	30	31	27	28	29	30	31			

OCTOBER

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October

PHOTO CREDIT: JON BEHUNIAK

nihoteni zaa

Dene meaning for the month of October - freezing month

pimahamowip̄sim

Cree meaning for the month of October - migrating moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
	Thanksgiving					
20	21	22	23	24	25	26
27	28	29	30	31	1	2
				Halloween		

Overall, the measured levels in fish, moose, barren-ground caribou, snowshoe hare, spruce grouse, blueberries, and bog cranberries are considered low and safe to eat.



SEPTEMBER

S	M	T	W	TH	F	S	S	M	T	W	TH	F	S
1	2	3	4	5	6	7						1	2
8	9	10	11	12	13	14	3	4	5	6	7	8	9
15	16	17	18	19	20	21	10	11	12	13	14	15	16
22	23	24	25	26	27	28	17	18	19	20	21	22	23
29	30						24	25	26	27	28	29	30

NOVEMBER

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eyune zaa

Dene meaning for the month of November
- crazy month or all souls

PHOTO CREDIT: KIRSTEN SEPOS

kaskatinowip̄sim

Cree meaning for the month of November - freeze up moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11 Remembrance Day	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Higher levels of lead were found in some meat samples, likely caused by lead ammunition. It is recommended that hunters use ammunition alternatives that are not prone to fragment including steel, copper or bismuth, or other high-weight retention ammunition.



OCTOBER

S	M	T	W	TH	F	S	S	M	T	W	TH	F	S
		1	2	3	4	5	1	2	3	4	5	6	7
6	7	8	9	10	11	12	8	9	10	11	12	13	14
13	14	15	16	17	18	19	15	16	17	18	19	20	21
20	21	22	23	24	25	26	22	23	24	25	26	27	28
27	28	29	30	31			29	30	31				

DECEMBER

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December

tedhe zaa

Dene meaning for the month of December
- midnight mass or Christmas month

PHOTO CREDIT: KIRSTEN SEPOS

thithikopīwipīsim

Cree meaning for the month of December - hoar frost moon

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28 First Day of Winter
29	30	31 Christmas Eve	1 Christmas Day	2 Boxing Day	3	4
		New Year's Eve				

Results from **EARMP** have shown that traditional foods remain safe, and that they continue to be safe and a healthy dietary choice for residents of the Athabasca basin. It is advised to boil water from lakes before consuming.



NOVEMBER

S	M	T	W	TH	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JANUARY 2025

S	M	T	W	TH	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

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2025

JANUARY

S	M	T	W	TH	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

FEBRUARY

S	M	T	W	TH	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

MARCH

S	M	T	W	TH	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

APRIL

S	M	T	W	TH	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

MAY

S	M	T	W	TH	F	S
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

JUNE

S	M	T	W	TH	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

JULY

S	M	T	W	TH	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

AUGUST

S	M	T	W	TH	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

SEPTEMBER

S	M	T	W	TH	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

OCTOBER

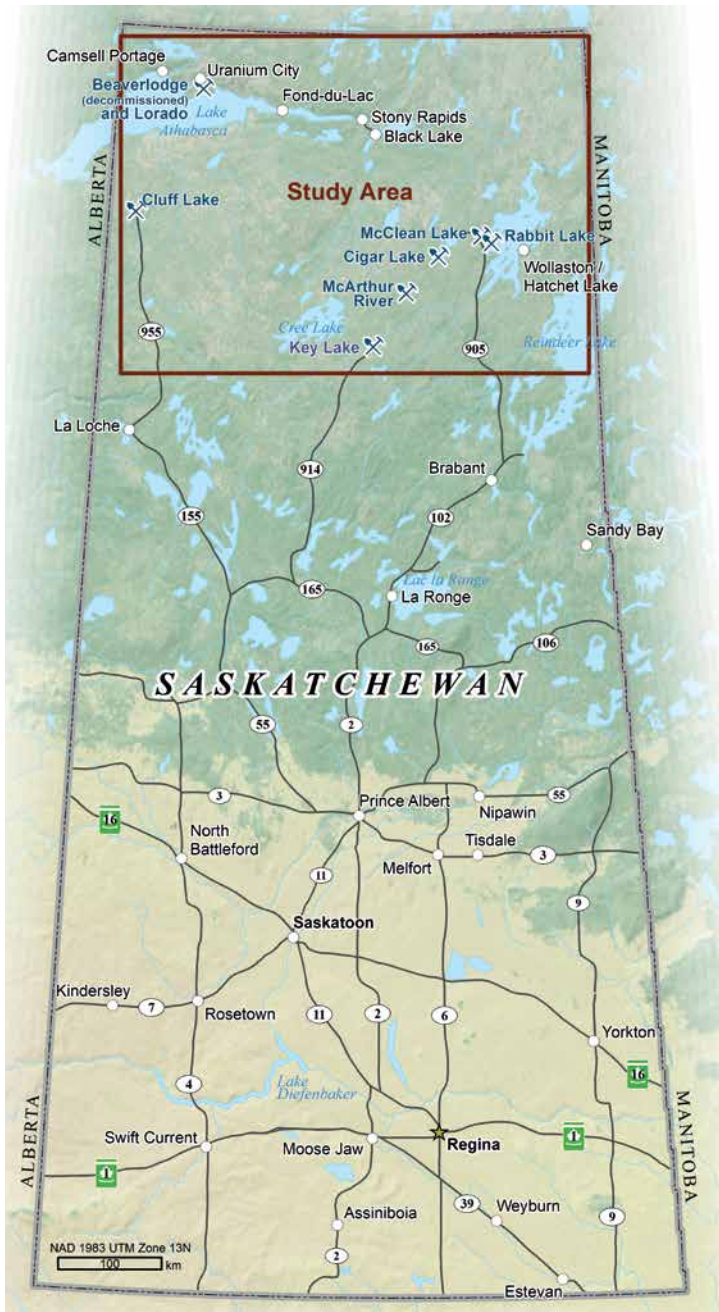
S	M	T	W	TH	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

NOVEMBER

S	M	T	W	TH	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

DECEMBER

S	M	T	W	TH	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			



EASTERN ATHABASCA REGIONAL MONITORING PROGRAM

2024

EARMP

The Eastern Athabasca Regional Monitoring Program (**EARMP**) is a joint, long-term environmental monitoring program established in 2011 under the Province of Saskatchewan's Boreal Watershed Initiative. The **EARMP** was designed to identify potential cumulative effects downstream of uranium mining and milling operations in the Eastern Athabasca region of northern Saskatchewan. Cumulative effects are defined as impacts on the environment that result from the incremental impact of an action when added to other past, present, and foreseeable future actions (Joint Panel 1992). Cumulative effects might occur when similar projects overlap spatially, such as when two watersheds exposed to uranium mining and milling activities converge. Cumulative effects may also occur temporally if contaminants are emitted into the environment over extended periods of time. The **EARMP** framework includes two sub-programs: a community program and a technical program. The technical program was established to monitor long-term changes in the aquatic environment far-field downstream of uranium mining and milling operations in the Eastern Athabasca region. The community program was established to monitor the safety of traditionally harvested country foods from the communities located in the Eastern Athabasca region.

Community Program

Harvesting and eating traditional country foods (berries, fish, and wild game) is an important part of the Indigenous lifestyle in northern Saskatchewan and contributes to an overall healthy lifestyle through physical activity and healthy eating. The intent of the **EARMP** community program is to provide confidence to community members that their traditional country foods remain safe to eat. The sampling program started in 2011. The community program tests water, berries, fish, birds, and mammals. All samples are collected independently by, or with the aid of, community members from Black Lake Denesuline First Nation, Camsell Portage, Fond du Lac Denesuline First Nation, Stony Rapids, Uranium City, Wollaston Lake, and Hatchet Lake Denesuline First Nation. The results of the most recent community sampling program are available at www.earmp.ca.

Technical Program

The focus of the technical program was to gather a two-year baseline of water quality, sediment quality, fish chemistry, and benthic invertebrate community data from locations far downstream of uranium mining and milling operations and reference locations in northern Saskatchewan. This monitoring program is completed and the data will be used to assess future cumulative effects. The technical sampling program results of the program are also available at www.earmp.ca.

*Thank you to the CanNorth Staff for the awesome photography!
If you would like to have your photographs featured in next years
calendar, please send them to us at info@earmp.com*



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