



EASTERN ATHABASCA REGIONAL MONITORING PROGRAM



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WWW.EARMMP.COM



2023



01 JAN

2023

NOTES:

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
1	2	3	4	5	6	7
NEW YEAR'S DAY						
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



2023

NOTES:

Dene meaning for the month of February - short month

Cree meaning for the month of February - the great moon

SATURDAY

4

11

18

VALENTINE'S DAY

25

FAMILY DAY

28



03 MAR

2023

NOTES:

hah zaa

Dene meaning for the month of March - geese month

mikisiwip̄sim

Cree meaning for the month of March - eagle 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	ST. PATRICK'S DAY 24	25
26	FIRST DAY OF SPRING 27	28	29	30	31	



04 APR

2023

NOTES:

ts'aili zaa

Dene meaning for the month of April - frog month

niskipīsim

Cree meaning for the month of April - goose moon

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3	4	5	6	7	8
					GOOD FRIDAY	
9	10	11	12	13	14	15
EASTER						
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						



05 MAY

2023

NOTES:

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
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
MOTHER'S DAY						
21	22	23	24	25	26	27
	VICTORIA DAY					
28	29	30	31			



06 JUN

2023

NOTES:

egheze yehole zaa

Dene meaning for the month of June - egg hatching month

opiniyāwīwipīsim

Cree meaning for the month of June - egg laying 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 FIRST DAY OF SUMMER NATIONAL INDIGENOUS PEOPLES DAY	22	23	24
FATHER'S DAY 25	26	27	28	29	30	



07 JUL

2023

NOTES:

bek'e echeth zaa

Dene meaning for the month of July - baby chicks month

opaskowip̄sim

Cree meaning for the month of July - egg hatching season

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
						CANADA 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					



08 AUG

2023

NOTES:

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
		1	2	3	4	5
6	7	8	9	10	11	12
	SASKATCHEWAN DAY					
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		



09 SEP

2023

NOTES:

bek'e elghadi zaa

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

nimitahamowip̄sim

Cree meaning for the month of September- rutting moon

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4	5	6	7	8	9
	LABOUR DAY					
10	11	12	13	14	15	16
17	18	19	20	21	22	23
						FIRST DAY OF FALL
24	25	26	27	28	29	30
						NATIONAL DAY FOR TRUTH AND RECONCILIATION



10 OCT

2023

NOTES:

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
1	2	3	4	5	6	7
8	9	10	11	12	13	14
	THANKSGIVING					
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
		HALLOWEEN				



11 NOV

2023

NOTES:

eyune zaa

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

kaskatinowip̄sim

Cree meaning for the month of November - freeze up moon

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			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		



12 DEC

2023

NOTES:

tedhe yati zaa

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

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 CHRISTMAS EVE	25	26	27	28 FIRST DAY OF WINTER	29	30
31 NEW YEAR'S EVE	CHRISTMAS DAY	BOXING DAY				

2024

January

S	M	T	W	T	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	T	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		

March

S	M	T	W	T	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	T	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	T	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	T	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	T	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	T	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	T	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	T	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	T	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	T	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

2023

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.com.

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.com.



Photo credits: Jon Behuniak, Laura Cardenas-Ortiz and Shelly Fisher
Dene words and meanings obtained from Rose Joseyounen, Wollaston Lake, SK.
Cree words and meanings obtained from: www.giftoflanguageandculture.ca



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