| Project Information | |
|---|---|
| **Project Title:** | |
| **Lead Applicant, Organization, or Community:** | Beaver Lake Cree Nation |
| **Work Plan Identifier Number:** If this is an on-going project please fill the identifier number for 24/25 fiscal by adjusting the last four digits: **Example:** D-1-2425 would become D-1-**2425** | |
| **Project Region(s):** | Cold Lake |
| **Project Start Year:** First year funding under the OSM program was received for this project (if applicable) | 2024 |
| **Project End Year:** Last year funding under the OSM program is requested **Example: 2024** | 2025 |
| **Total 2024/25 Project Budget**: From all sources for the 2024/25 fiscal year | |
| **Requested OSM Program Funding:** For the 2024/25 fiscal year | $182,120.00 |
| **Project Type:** | Community Based Monitoring |
| **Project Theme:** | Cross-Cutting |
| **Anticipated Total Duration of Projects (Core and Focused Study (3 years))** | Year 2 |
| **Current Year (choose one):** | Focused Study -Select One- |
| | Core Monitoring Year 1 of 3 |

## Contact Information

| | |
|---|---|
| **Lead Applicant/ Principal Investigator:**<br><br>Every work plan application requires one lead applicant. This lead is accountable for the entire work plan and all deliverables. | Chris Swan |
| **Job Title:** | Community Based Environmental Monitoring Coordinator |
| **Organization:** | Beaver Lake Cree Nation |
| **Address:** | Box 960, lac la biche, alberta, T0A2C0 |
| **Phone:** | 780 623 4549 |
| **Email:** | ecm@blcn.ca |

In the space below, please provide a summary of the proposed project that includes a brief overview of the project drivers and objectives, the proposed approach/methodology, project deliverables, and how the project will deliver to the OSM Program objectives. The summary should be written in plain language and **should not exceed 300 words**.

Development of Surface Water ICBM projects is a requirement of the SIKIC and under the guidance of the ICBMAC and the SW TAC.  Community engagement, capacity building, and implementation of monitoring will enable communities to identify receptors and indicators, develop baselines, and generate data for surveillance of local natural and subsistence resources, document (confirm) change, and investigate cause. Thus, ICBM projects will serve the mandate of the OSM program by addressing the three questions for aquatic ecosystems, via western science and Indigenous Knowledge (IK) in an adaptive framework.  Are changes occurring to aquatic ecosystems?  Are changes to aquatic ecosystems caused by oil sands activities? What is the contribution of oils sands development activities to changes in in aquatic ecosystems, within the context of cumulative effects.

This workplan offers Indigenous communities (1) support – that has been lacking - to monitor surface water quality of lakes and (2) training opportunities in fish monitoring.  It also requests funds to complete an Indigenous-led study to define baseline of fish community composition. This project builds on experience with camera monitoring and muskrat work gained in the 23-24 cycle and begins to include benthics and small bodied fish.

## 1.0 Merits of the Work Plan

All work plans under the OSM Program must serve the mandate of the program by determining (1) if changes in indicators are occurring in the oil sands region and (2) if the changes are caused by oil sands development activities and (3) the contribution in the context of cumulative effects. In the space below please provide information on the following:

· Describe the key drivers for the project identifying linkages to Adaptive Monitoring framework particularly as it relates to surveillance, confirmation and limits of change (as per OC approved Key Questions).
· Explain the knowledge gap as it relates to the Adaptive Monitoring that is being addressed along with the context and scope of the problem as well as the Source - Pathway - Receptor Conceptual Models .
· Describe how the project meets the mandate of the OSM Program or areas of limited knowledge is the work being designed to answer with consideration for the TAC specific Scope of Work Document (attached) and the Key Questions (attached)?
· Discuss results of previous monitoring/studies/development and what has been achieved to date. Please identify potential linkages to relevant sections of the State of Environment Report.

This is a long-term project that began in 2020-2021 under a pilot project with Cold Lake First Nation. Beaver Lake Cree Nation had shown success and has begun doing fish monitoring since 2021-2022, and surface water quality monitoring since 2022-2023. This workplan will be a continuation of that work.

Project design:
-Fish health examination that follow protocols set out by the Facilitation Center (Mark McMaster)
-Fish health examinations include Indigenous knowledge
-Fish community data collection (Lengths & weights of all fish that are caught)
-monitoring will include Beaver Lake, Lac La Biche, Pinehurst Lake, & Wolf Lake
-Through the Aquatics training at CLFN we became aware that Athabasca Land Metis are also interested in monitoring Lac La Biche. BLCN is open to working with Athabasca landing Metis to provide any training on how to set nets, or on fish health exams, and we can share data.
-Each netting event includes each of the four lakes; fish community data is collected through catch data collection. These events are tied to subsistence fishing for the community.
-Netting event #2 will be the only sampling event in which we will be targeting 20 Male and 20 Female Lake Whitefish from Beaver Lake only to do fish health exams.

-Surface water quality testing following ALMS guides which are consistent with OSM (summer and winter sampling)
-Sampling will only include Beaver Lake

Phase 1 (Q1):
- Reporting
- 1 water sampling event may occur (June)
Phase 2 (Q2):
- July fish camp – Netting event #1 (Beaver Lake, Lac La Biche, Wolf Lake, Pinehurst)
- Monthly water sampling events (July, August, September)
- September harvest camp – Netting event #2 (Beaver Lake, Lac La Biche, Wolf Lake, Pinehurst) (20M/20F Whitefish from Beaver Lake)
- Reporting
Phase 3 (Q3):
- Netting event #3 (Beaver Lake, Lac La Biche, Wolf Lake, Pinehurst)
- October water sample
- December water sample
Phase 4 (Q4):
- Netting event #4 (Beaver Lake, Lac La Biche, Wolf Lake, Pinehurst)
- Monthly water sampling (Jan, Feb, March)
- Community info session on Aquatics
- Reporting

-BLCN is wanting to take training on Benthics and small fish should any training opportunities arise. The streams and Creek that we want to do are Punk creek which comes off of Pinehurst lake and the sand River which is located south east of Sand river.

-BLCN is also wanting to add Elinor Lake and Siebert Lake to our Fish and water Sampling.

This multi-year project focuses on key concerns of Beaver Lake Cree Nation around access to, safety of, and abundance of resources that underpin Section 35 rights practiced in BLCN territory. The project has the following objectives:
● Understand changes in wildlife that are important to BLCN community members;
● Continue and expand the wildlife monitoring program initiated in 2021/22;
● Expand community capacity to implement the monitoring program;
● Integrate monitoring efforts with regional OSM terrestrial monitoring

In 2022-23, camera traps were deployed by community members in BLCN territory in landscape units aligned with the broader BADR design, contributing to two OSM questions:
● Has the abundance of wildlife species changed?
● To what extent is that change driven by oil sands activities?
This project continues and builds on the previous monitoring efforts through data analysis and further camera deployments in 2024-25.
-BLCN is also going to be working with Phillipe Thomas on a muskrat program, The purpose of this contract is to collect 35 frozen muskrat carcasses from Beaver Lake Cree Nation (BLCN) submitted by their traditional land users.

## 2.0 Objectives of the Work Plan

List in point form the objectives of the 2024/25 work plan below

-BLCN is currently on the second year wildlife camera program and we will be focused on Data uploading from the previous year and added new cameras to a Oil Sands Disturbed area and Data comparisons will then be done.
-Development of Surface Water ICBM projects is a requirement of the SIKIC and under the guidance of the ICBMAC and the SW TAC. Community engagement, capacity building, and implementation of monitoring will enable communities to identify receptors and indicators, develop baselines, and generate data for surveillance of local natural and subsistence resources, document (confirm) change, and investigate cause. Thus, ICBM projects will serve the mandate of the OSM program by addressing the three questions for aquatic ecosystems, via western science and Indigenous Knowledge (IK) in an adaptive framework. Are changes occurring to aquatic ecosystems? Are changes to aquatic ecosystems caused by oil sands activities? What is the contribution of oils sands development activities to changes in an aquatic ecosystems, within the context of cumulative effects.

This workplan offers Indigenous communities (1) support – that has been lacking - to monitor surface water quality of lakes and (2) training opportunities in fish monitoring. It also requests funds to complete an Indigenous-led study to define baseline of fish community composition.Development of Surface Water ICBM projects is a requirement of the SIKIC and under the guidance of the ICBMAC and the SW TAC. Community engagement, capacity building, and implementation of monitoring will enable communities to identify receptors and indicators.

## 3.0 Scope

**Evaluation of Scope Criteria (Information Box Only- No action required)**
Your workplan will be evaluated against the criteria below. A successful workplan would:
- Be in scope of the OSM Program (e.g., regional boundaries, specific to oil sands development, within boundaries of the Oil Sands Environmental Monitoring Program Regulation)
- consider the TAC-specific Scope of Work document and the key questions
- integrate western science with Indigenous Community-Based Monitoring)
- address the Adaptive Monitoring particularly as it relates to surveillance, confirmation and limits of change as per approved Key Questions.
- have an experimental design that addresses the Pressure/Stressor, Pathway/Exposure, Response continuum
- produce data/knowledge aligned with OSM Program requirements and is working with Service Alberta
- uses Standard Operating Procedures/ Best Management Practices/ Standard Methods including for Indigenous Community-Based Monitoring

## 3.1 Theme

Please select the theme(s) your monitoring work plan relates to:

☐ Air ☐ Groundwater ☐ Surface Water ☐ Wetlands

☐ Terrestrial Biology ☐ Data Management Analytics & Prediction ☑ Cross Cutting

## 3.2 Core Monitoring, Focused Study or Community Based Monitoring

Please select from the dropdown menu below if the monitoring in the work plan is "core monitoring" and/or a "focused study". Core monitoring are long term monitoring programs that have been in operation for at least 3 years, have been previously designated by the OSM program as core, and will continue to operate into the future. Focused studies are short term projects 1-2 years that address a specific emerging issue.

Community Based Monitoring

## Themes

Please select the theme from the options below. Select all that apply.

☐ Air ☐ Groundwater ☐ Surface Water ☐ Wetland

☐ Terrestrial ☑ Cross-Cutting

**3.3.6 Cross-Cutting Across Theme Areas**

3.3.6.1 Sub Themes

Other: (Describe in space below)

If "Other" was selected from the drop down list above please describe below:

Community Based Monitoring

**3.3.6.2 Cross-Cutting - Key Questions:**

Explain how your cross-cutting biological  monitoring program addresses the key questions below.

Is data produced following OSM Program requirements and provided into the OSM Program data management system?

Western Science and muskrat data that is collected will be shared to the OSM Program data management system.

Do methodologies use relevant Standard Operating Procedures/ Best Management Practices/ Standard Methods?

This program follows Standard Operating Procedures developed by ABMI for camera programming, deploying, refreshing, retrieval, managing and processing. Additionally this program adheres to the Alberta Remote Camera Metadata Standards. We also use standard operating procedures for fish, water and muskrat work.

How does the monitoring identify integration amongst projects, themes or with communities?

Monitoring Both traditional land and Oil sand disturbed areas using multiple Projects would be beneficial for IK indicators and western science to help create themes between projects to compare Data from traditional Land to Oil Sand disturbed.

With consideration for adaptive monitoring, where does the proposed monitoring fit on the conceptual model for the theme area relative to the conceptual model for the OSM Program?

Traditional resources and cultural practices are identified as valued components in the OSM programmatic conceptual model. This work plan will work to integrate indigenous knowledge into the current pathways described in the current TBM conceptual model.

How will this work advance understanding transition towards adaptive monitoring?

This work will advance adaptive monitoring by including Indigenous Knowledge holders and introducing place based knowledge into discussion surrounding priority monitoring locations and areas of concern.

Is the work plan contributing to Programmatic State of Environment Reporting? If yes, please identify potential linkages to relevant sections of the State of Environment Report.

No, But Pictures from wildlife cameras taken on the reservation are not to be shared unless authorized by the community but off reserve wildlife cameras will most likely have different rules may be able to share with the report.

## 4.0 Mitigation

**Evaluation of Mitigation Criteria (Information Box Only- No action required)**
Your workplan will be evaluated against the criteria below. A successful workplan would potentially inform:
- · efficacy of an existing regulation or policy
- · an EPEA approval condition
- · a regional framework (i.e., LARP)
- · an emerging issue

Explain how your monitoring program informs management, policy and regulatory compliance. As relevant consider adaptive monitoring and the approved Key Questions in your response.

This program answers questions relevant to cumulative effects which is managed under regional and sub regional land use planning.

## 5.0 Indigenous Issues

**Evaluation of Indigenous Issues Criteria (Information Box Only- No action required)**
Your workplan will be evaluated against the criteria below. A successful workplan would potentially:
- · Investigate Indigenous communities key questions and concerns
- · Includes culturally relevant receptor(s) and indicator(s)
- · Include or be driven by Indigenous communities (participatory or collaborative)
- · Develop capacity in Indigenous communities
- · Include a Council Resolution or Letter of Support from one or more Indigenous communities
- · Describe how ethics protocols and best practices regarding involvement of Indigenous peoples will be adhered to
- · Provide information on how Indigenous Knowledge will be  collected, interpreted, validated, and used in a way that meets community Indigenous Knowledge protocols

Explain how your monitoring activities are inclusive and respond to Indigenous key questions and concerns and inform the ability to understand impacts on concerns and inform Section 35 Rights

This workplan will directly benefit Beaver Lake Cree Nation by giving our land users an opportunity to directly practice their inherent and Treaty rights as defined under Section 35.1, while learning and applying western scientific methods to assess health of fish and water. Capacity is being built through training community members to become monitors. This also gives community members an opportunity to learn/teach Indigenous Knowledge and is an important site for knowledge transfer. We also have a youth fish camp that we started during 2022-2023 that we will be continuing, so the youth will learn about how to set/pull nets, processing fish, and how to cook fish in different ways.

Does this project include an Integrated Community Based Monitoring Component?

Yes

**If YES, please complete the ICBM Abbreviated Work Plan Forms and submit using the link below**

**ICBM WORK PLAN SUBMISSION LINK**

Are there any community specific protocols that will be followed?

The ICBMAC provides clear instruction for ICBM projects for data management. Data produced from Indigenous Knowledge is "Protected by default"; Indigenous Knowledge data will be retained by BLCN.

Traditional BLCN community specific protocols will be followed when engaging with Indigenous knowledge holders to ensure they are appropriately recognized for sharing their knowledge as well as their participation in knowledge sharing activities. These protocols include the gifting of tobacco when you are asking a knowledge holder to share their knowledge.

Does the work plan involve methods for Indigenous participants to share information or knowledge (e.g. interview, focus group, survey/structured interview), or any other Indigenous participation? If yes, describe how risks and harms will be assessed, and the consent process that will be used.

BLCN community members will have an opportunity to engage during information sessions. Our youth fish camp, and harvest camp are open to the community and that is another time we take input from community and harvesters.
Traditional BLCN community specific protocols will be followed when engaging with Indigenous knowledge holders to ensure they are appropriately recognized for sharing their knowledge as well as their participation in knowledge sharing activities. These protocols include the gifting of tobacco when you are asking a knowledge holder to share their knowledge.

Do the activities include any other collecting/sharing, interpreting, or applying Indigenous knowledge? Please describe how these activities will be conducted in alignment with the Interim Ethical Guidelines, and any community-based protocols and/or guidelines that may also apply.

The ICBMAC provides clear instruction for ICBM projects for data management. Data produced from Indigneous Knowledge is "Protected by default"; Indigenous Knowledge will be retained by BLCN.

For monitoring, BLCN will follow standardized operating procedures for data collection, processing, and management provided by TBM. This will include metadata collection in alignment with provincial Camera Metadata Standards.

Traditional BLCN community specific protocols will be followed when engaging with Indigenous knowledge holders to ensure they are appropriately recognized for sharing their knowledge as well as their participation in knowledge sharing activities. These protocols include the gifting of tobacco when you are asking a knowledge holder to share their knowledge.

Indicate how Indigenous communities / Indigenous knowledge holders will be involved to ensure appropriate analysis, interpretation and application of data and knowledge.

Our work plan involves planning focus group sessions at the BLCN Community Hall to engage and involve community members with the program. ABMI staff and contractors will attend to meaningfully engage with the community about program updates, monitoring methods, study design, site locations, analysis, and integration of Indigenous knowledge indicators. This will also include ensuring mutual understanding among all those involved about risks, potential harms, and burdens of the proposed monitoring activities and outcomes. A meal will be provided during focus group sessions during the discussion and knowledge exchange. Traditional BLCN community specific protocols will be followed when engaging with Indigenous knowledge holders to ensure they are appropriately recognized for sharing their knowledge as well as their participation in knowledge sharing activities. These protocols include the gifting of tobacco when you are asking a knowledge holder to share their knowledge.

One of the objectives of all BLCN ICBM projects is to build capacity in our community for the management, analysis, and interpretation of the data we collect. This project is implemented through hands-on, in-

person training that is open to all community members for camera deployment and retrieval and for image tagging on WildTrax.

The ICBMAC provides clear integration expectations, including (i) ensuring respectful and equitable production of IK and western science data, (ii) using common methods or SOPS for field data collection and measurement, (iii) avoiding duplication, and (iv) avoiding knowledge silos and knowledge appropriation. These expectations will be followed during engagement, capacity building, and implementation of monitoring.

Risks, harms and burdens associated with this program will be continually assessed by taking the time and ensuring financial resources are available to allow for mutual understanding among all those involved.

Free, prior and informed consent will be practiced where community members will be aware that at any time they can withdraw their consent.

How are Indigenous communities involved in identifying or confirming the appropriateness of approach, methods, and/or indicators?

This project is implemented through hands-on, in-person training that is open to all community members for camera deployment and retrieval and image tagging on WildTrax. These sessions, in combination with the ongoing focus groups, will provide a forum for regular community input into the project. Focus sessions will be set up for two-way information sharing such that community members who attend can learn about the monitoring work, and also provide input. The focus of our work has been on scoping and capacity building, and so the project is not yet at a stage where there is a strong emphasis on interpretation and application – we anticipate this to become a larger component of the program in future years.

How does this work plan directly benefit Indigenous communities?   How does it support building capacity in Indigenous communities?

The ultimate goal of this long term project is a fully functioning community based monitoring program implemented independently by BLCN that is comparable to regional monitoring results. A focus of this project for the 2023-24 year is continued capacity building around data collection, management, and analysis. Community members will attend in-person, hands-on training for working with camera, data uploading, and image tagging using WildTrax.

How is the information from this work plan going to be reported back to Indigenous communities in a way that is accessible, transparent and easy to understand?

Our work plan will be reported back in multiple ways but primarily in focus group sessions as well as at medicine and harvest camps.

Our work plan will iIncorporate elements of wildlife monitoring into existing medicine and harvest camps. The details will be determined during project scoping but will span topics such as defining key questions and monitoring aspirations, identification of culturally relevant indicators of animals, hands-on training with monitoring protocols, and/or introduction to biological monitoring techniques and the SOPs.

**6.0 Measuring Change**

**Evaluation of Measuring Change Criteria (Information Box Only- No action required)**
Your workplan will be evaluated against the criteria below. A successful workplan would potentially:
·   assess changes in environmental conditions compared to baseline (e.g., validation of EIA predictions)
·   report uncertainty in estimates and monitoring is of sufficient power to detect change due to oil sands development on reasonable temporal or spatial scales
·   include indicators along the spectrum of response (e.g., individual, population, community)
·   focus on areas of highest risk (where change is detected, where change is greater than expected, where development is expected to expand collection of baseline).
·   measure change along a stressor gradient or a stressor/reference comparison

Explain how your monitoring identifies environmental changes and how can be assessed against a baseline condition. As relevant, consider adaptive monitoring, the TAC specific Scope of Work document and the Key Questions in your response.

-community baselines
-Working with core programs

**7.0 Accounting for Scale**

**Evaluation of Accounting for Scale Criteria (Information Box Only- No action required)**
Your workplan will be evaluated against the criteria below. A successful workplan would potentially be:
·   appropriate to the key question and indicator of interest
·   relevant to sub-regional and regional questions
·   relevant to organism, population and/or community levels of biological organization
·   where modelled results are validated with monitored data
·   where monitoring informs on environmental processes that occur at a regional scale. e.g. Characterizing individual sources to gain a regional estimate of acid deposition and understand signal from individual contributing sources.

Explain how your monitoring tracks regional and sub-regional state of the environment, including cumulative effects. As relevant, consider adaptive monitoring, the TAC specific Scope of Work document and the Key Questions in your response.

- working with core monitoirng and other CBM programs to achieve spatial scale

## 8.0 Transparency

**Evaluation of Transparency Criteria (Information Box Only- No action required)**
Your workplan will be evaluated against the criteria below. A successful workplan would potentially include:

- · a plan for dissemination of monitoring data, including appropriate timing, format, and aligns with OSM program data management plan
- · demonstrated transparency in past performance
- · identified an annual progress report as a deliverable
- · reporting of monitoring results occurs at timing and format that is appropriate for recipient audience.

Explain how your monitoring generates data and reporting that is accessible, credible and useful. As relevant, consider adaptive monitoring, the TAC specific Scope of Work document and the Key Questions in your response.

## 9.0 Efficiency

**Evaluation of Efficiency Criteria (Information Box Only- No action required)**
Your workplan will be evaluated against the criteria below. A successful workplan would include:

- · appropriately addressed a risk-informed allocation of resources
- · identified the role and justification for each staff member on the proposed work plan
- · identified in-kind and leveraged resources (e.g., resources and approaches are appropriately shared with other OSM projects where possible)
- · established partnerships (value-added) and demonstrated examples of coordinated efficiencies (e.g., field, analytical)
- · identified co-location of monitoring effort
- · demonstrated monitoring activities and information collected are not duplicative
- · considered sampling/measurement/methods compatibility to other data sources (e.g., AER)

Explain how your monitoring is integrated with other OSM projects and incorporates community-based participation and/or engagement in proposed monitoring activities. As relevant, consider adaptive monitoring, the TAC specific Scope of Work document and the Key Questions in your response.

List the Key Project Phases and Provide Bullets for Each Major Task under Each Project Phase

Phase 1 (Q1):
- Reporting
- 1 water sampling event may occur (June)
Phase 2 (Q2):
- July fish camp – Netting event #1 (Beaver Lake, Lac La Biche, Wolf Lake, Pinehurst)
- Monthly water sampling events (July, August, September)
- September harvest camp – Netting event #2 (Beaver Lake, Lac La Biche, Wolf Lake, Pinehurst) (20M/20F Whitefish from Beaver Lake)
- Reporting
Phase 3 (Q3):
- Netting event #3 (Beaver Lake, Lac La Biche, Wolf Lake, Pinehurst)
- October water sample
- December water sample
Phase 4 (Q4):
- Netting event #4 (Beaver Lake, Lac La Biche, Wolf Lake, Pinehurst)
- Monthly water sampling (Jan, Feb, March)
- Community info session on Aquatics
- Reporting

-BLCN is wanting to take training on Benthics and small fish should any training opportunities arise. The streams and Creek that we want to do are Punk creek which comes off of Pinehurst lake and the sand River which is located south east of Sand river.

-BLCN is also wanting to add Elinor Lake and Siebert Lake to our Fish and water Sampling.

This multi-year project focuses on key concerns of Beaver Lake Cree Nation around access to, safety of, and abundance of resources that underpin Section 35 rights practiced in BLCN territory. The project has the following objectives:
● Understand changes in wildlife that are important to BLCN community members;
● Continue and expand the wildlife monitoring program initiated in 2021/22;
● Expand community capacity to implement the monitoring program;
● Integrate monitoring efforts with regional OSM terrestrial monitoring

In 2022-23, camera traps were deployed by community members in BLCN territory in landscape units aligned with the broader BADR design, contributing to two OSM questions:
● Has the abundance of wildlife species changed?
● To what extent is that change driven by oil sands activities?
This project continues and builds on the previous monitoring efforts through data analysis and further camera deployments in 2024-25.

Describe how changes in environmental Condition will be assessed

- relative to community baselines and OSM program regional data

Are there Benchmarks Being Used to Assess Changes in Environmental Condition? If So, Please Describe, If Not, State "NONE"

NONE

(e.g., objectives, tiers, triggers, limits, reference conditions, thresholds, etc.)

Provide a Brief Description of the Western Science or Community-Based Monitoring Indigenous Community-Based Monitoring Methods by Project Phase

western based science samples will be sent away to labs.

List the Key Indicators Measured, If Not Applicable, State N/A

N/A

## 11.0 Knowledge Translation

**In the space below, please provide the following:**

· Describe the plan for knowledge transfer and distribution of learnings from the project. This could include workshops, publications, best practice documentation, marketing plan, etc.
· Demonstrate that the knowledge transfer plan is appropriate for the intended end-users.

Social Media (Facebook and Beaver Lake Cree Nation Apps)and Community Meetings, Youtube.

## 12.0 External Partners

List by project or project phase each component that will be delivered by an external party (including analytical laboratories) and name the party. Describe and name the associate work plan/grant/contract for these services. * state none if not required

Alberta Environment and Protected Areas- Fish Monitoring with Keegan Hicks
ALMS- Kurstynn Cappis
ABMI- David Evans
Environment Canada- Philippe Thomas

*To ensure complete work plan proposal submission, all grants and contracts listed in this section should also be captured in Grants & Contracts.

## 13.0 Data Sharing and Data Management

For 2024-25 the following approach will be taken by the OSM Program related to data sharing.

For all work plans of a **western science** nature funded under the OSM Program, data sharing is a condition of funding and must align with the principle of **"Open by Default"**. In this case, all data is to be shared with the OSM Program as directed by the OSM Program Data Management work plan.

For all work plans involving **Indigenous Knowledge** as defined below and funded under the OSM Program, data sharing is a condition of funding and the Indigenous Knowledge components of the work plan must align with the principle of **"Protected by Default".** In this case, all data as defined as Indigenous Knowledge, are to be retained by the Indigenous community to which the Indigenous Knowledge is held.

*Indigenous Knowledge is defined as:*

*"The knowledge held by First Nations, Inuit and Métis peoples, the Aboriginal peoples of Canada. Traditional knowledge is specific to place, usually transmitted orally, and rooted in the experience of multiple generations. It is determined by an Aboriginal community's land, environment, region, culture and language. Traditional knowledge is usually described by Aboriginal peoples as holistic, involving body, mind, feelings and spirit. Knowledge may be expressed in symbols, arts, ceremonial and everyday practices, narratives and, especially, in relationships. The word tradition is not necessarily synonymous with old. Traditional knowledge is held collectively by all members of a community, although some members may have particular responsibility for its transmission. It includes preserved knowledge created by, and received from, past generations and innovations and new knowledge transmitted to subsequent generations. In international or scholarly discourse, the terms traditional knowledge and Indigenous knowledge are sometimes used interchangeably."*

*This definition was taken from the Canadian Government's Tri-council Policy Statement for Ethical Research involving Humans (Chapter 9, pg. 113) and is an interim definition specific to the Oil Sands Monitoring Program.*

13.1 Has there, or will there be, a Data Sharing agreement established through this Project? *

| No |
|---|

13.2 Type of Quantitative Data Variables**:**

| Discrete |
|---|

13.3 Frequency of Collection:

| Annually |
|---|

13.4 Estimated Data Collection Start Date:

| March 2024 |
|---|

13.5 Estimated Data Collection End Date:

| march 2025 |
|---|

13.6 Estimated Timeline For Upload Start Date:

| |
|---|

13.7 Estimated Timeline For Upload End Date:

| |
|---|

13.8 Will the data include traditional knowledge as defined by and provided by an Indigenous representative, Community or Organization?

| Yes |
|---|

**Table 13.9 Please describe below the Location of Data and Data Type:**

**Add a Data Source by clicking on the add row on the bottom right side of table**

| Name of Dataset | Location of Dataset (E.g.:Path, Website, Database, etc.) | Data File Formats (E.g.: csv, txt, API, accdb, xlsx, etc.) | Security Classification |
|---|---|---|---|
|  |  |  | -Select One- |

## 14.0 2024/25 Deliverables

**Add an additional deliverable by clicking on the add row on the bottom right side of table**

| Type of Deliverable | Delivery Date | Description |
|---|---|---|
| -Select One- | -Select One- |  |

## 15.0 Project Team & Partners

**In the space below please provide information on the following:**

- · Describe key members of the project team, including roles, responsibilities and expertise relevant to the proposed project.
- · Describe the competency of this team to complete the project.
- · Identify any personnel or expertise gaps for successful completion of the project relative to the OSM Program mandate and discuss how these gaps will be addressed.
- · Describe the project management approach and the management structure.

## 16.0 Project Human Resources & Financing

### Section 16.1 Human Resource Estimates

Building off of the competencies listed in the previous section, please complete the table below. Add additional rows as necessary. This table must include **ALL staff involved** in the project, their role and the % of that staff's time allocated to this work plan. The AEPA calculated amount is based on an estimate of $120,000/year for FTEs. This number cannot be changed. The OSM program recognizes that this is an estimate.

**Table 16.1.1  AEPA**

Add an additional AEPA Staff member by clicking on the add row below the table. The total FTE (Full Time Equivalent) is Auto Summed (in Table 16.2.1) and converted to a dollar amount.

| Name (Last, First) | Role | %Time Allocated to Project |
|---|---|---|
|  |  |  |

**Table 16.1.2 ECCC**

Add an additional ECCC Staff member by clicking on the add row below the table. The total FTE (Full Time Equivalent) is Auto Summed (in Table 16.2.2) and converted to a dollar amount.

| Name (Last, First) | Role | %Time Allocated to Project |
|---|---|---|
|  |  |  |

The tables below are the financial tables for Alberta Environment & Protected Areas (AEPA) and Environment & Climate Change Canada. All work plans under the OSM Program require either a government lead or a government coordinator.

### Section 16.2 Financing

The OSM Program recognizes that many of these submissions are a result of joint effort and monitoring initiatives. A detailed "PROJECT FINANCE BREAKDOWN" must be provided using the Project Finance Breakdown Template provided, accessible here. Please note that completion of this Project Finance Breakdown Template is mandatory and must be submitted along with each workplan.

### **PROJECT FINANCE BREAKDOWN TEMPLATE**

**Table 16.2.1 Funding Requested BY ALBERTA ENVIRONMENT & PROTECTED AREAS**

| Organization  - Alberta Environment & Protected Areas ONLY | Total % time allocated to project for AEPA staff | Total Funding Requested from OSM |
|---|---|---|
| Salaries and Benefits<br>(Calculated from Table 16.1.1 above) | 0 | $0.00 |
| **Operations and Maintenance** | | |
| **Consumable materials and supplies** | | |
| **Conferences and meetings travel** | | |
| **Project-related travel** | | |
| **Engagement** | | |
| **Reporting** | | |
| **Overhead** | | |
| Total All Grants<br>(Calculated from Table 16.4 below) | | $182,120.00 |
| Total All Contracts<br>(Calculated from Table 16.5 below) | | $0.00 |
| Sub-Total<br>(Calculated) | | $182,120.00 |
| **Capital\*** | | |
| AEPA TOTAL<br>(Calculated) | | $182,120.00 |

\* The Government of Alberta Financial Policies (*Policy # A600*) requires that all **capital asset** purchases comply with governmental and departmental legislation, policies, procedures, directives and guidelines. **Capital assets** (*Financial Policy # A100*, Government of Alberta, January 2014) are tangible assets that: have economic life greater than one year; are acquired, constructed, or developed for use on a continuing basis; are not held for sale in ordinary course of operations; are recorded and tracked centrally; have a cost greater than $5,000.

Some **examples of capital asset equipment include:** laboratory equipment, appliances, boats, motors, field equipment, ATV's/snowmobiles, stationary equipment (pier/sign/weather), fire/safety equipment, pumps/tanks, heavy equipment, irrigation systems, furniture, trailers, vehicles, etc. (*Financial Policy # A100*, Government of Alberta, January 2014).

**Table 16.2.2 Funding Requested BY ENVIRONMENT & CLIMATE CHANGE CANADA**

| Organization - Environment & Climate Change Canada ONLY | Total % time allocated to project for ECCC staff | Total Funding Requested from OSM |
|---|---|---|
| Salaries and Benefits FTE<br>(Please manually provide the number in the space below) | 0 | $0.00 |
| **Operations and Maintenance** | | |
| Consumable materials and supplies | | |
| Conferences and meetings travel | | |
| Project-related travel | | |
| Engagement | | |
| Reporting | | |
| Overhead | | |
| ECCC TOTAL<br>(Calculated) | | $0.00 |

* ECCC cannot request capital under the OSM program. Any capital requirements to support long-term monitoring under the OSM program should be procured by Alberta and captured in that budget table.

**Table 16.3**

**Complete ONE table per Grant recipient.**

**Add a Recipient by clicking on add table below the table. The total of all Grants is Auto Summed in Table 16.2.1**

| GRANT RECIPIENT - ONLY: Name | Chris Swan |
|---|---|
| GRANT RECIPIENT - ONLY: Organization | Beaver Lake Cree Nation |
| Category | Total Funding Requested from OSM |
| Salaries and Benefits FTE | $117,120.00 |
| **Operations and Maintenance** | |
| Consumable materials and supplies | $20,000.00 |
| Conferences and meetings travel | $15,000.00 |
| Project-related travel | $28,000.00 |
| Engagement | $2,000.00 |
| Reporting | |
| Overhead | |
| GRANT TOTAL (Calculated) | $182,120.00 |

**Table 16.4**

**Complete ONE table per Contract recipient.**

**Add a Recipient by clicking on add row below the table.. This section is only to be completed should the applicant intend to contract components or stages of the project out to external organizations. The total of all Contracts is Auto Summed in Table 16.2.1**

| | |
|---|---|
| CONTRACT RECIPIENT - ONLY: Name | |
| CONTRACT RECIPIENT - ONLY: Organization | |
| Category | Total Funding Requested from OSM |
| Salaries and Benefits | |
| **Operations and Maintenance** | |
| Consumable materials and supplies | |
| Conferences and meetings travel | |
| Project-related travel | |
| Engagement | |
| Reporting | |
| Overhead | |
| CONTRACT TOTAL<br>(Calculated) | $0.00 |

**Table 16.5 GRAND TOTAL Project Funding Requested from OSM Program**

The table below is auto calculated, please do not try to manually manipulate these contents.

| Category | Total Funding Requested from OSM |
|---|---|
| Salaries and Benefits<br>Sums totals for salaries and benefits from AEPA and ECCC ONLY | $0.00 |
| **Operations and Maintenance** | |
| Consumable materials and supplies<br>Sums totals for AEPA and ECCC ONLY | $0.00 |
| Conferences and meetings travel<br>Sums totals for AEPA and ECCC ONLY | $0.00 |
| Project-related travel<br>Sums totals for AEPA and ECCC ONLY | $0.00 |
| Engagement<br>Sums totals for AEPA and ECCC ONLY | $0.00 |
| Reporting<br>Sums totals for AEPA and ECCC ONLY | $0.00 |
| Overhead<br>Sums totals for AEPA and ECCC ONLY | $0.00 |
| Total All Grants (from table 16.2.1 above)<br>**Sums totals for AEPA Tables ONLY** | $182,120.00 |
| Total All Contracts (from table 16.2.1 above)<br>**Sums totals for AEPA Tables ONLY** | $0.00 |
| SUB-TOTAL<br>(Calculated) | $182,120.00 |
| Capital*<br>**Sums total for AEPA** | |
| GRAND PROJECT TOTAL | $182,120.00 |

Some **examples of capital asset equipment include:** laboratory equipment, appliances, boats, motors, field equipment, ATV's/snowmobiles, stationary equipment (pier/sign/weather), fire/safety equipment, pumps/tanks, heavy equipment, irrigation systems, furniture, trailers, vehicles, etc. (*Financial Policy # A100*, Government of Alberta, January 2014).

## 17.0 FINANCIAL MANAGEMENT

**The OSM Program reserves the right to reallocate project funding during the current fiscal year on the basis of project performance and financial overspend or underspend.**

☑ Please check this box to acknowledge you have read and understand

**In the space below please describe the following:**
- · Discuss how potential cost overruns and cost underruns will be managed.
- · If this is a continuing project from last year, identify if this project was overspent or underspent in the previous year and explain why.
- · Describe what risks and/or barriers may affect this project.

## 18.0 Alternate Sources of Project Financing  - In-Kind Contributions

### Table 18.1 In-Kind Contributions

*Add an In Kind Contribution by clicking on the table and then clicking on the add row on the bottom right side of table.*

| Description | Source | Equivalent Amount ($CAD) |
|---|---|---|
| Office Space, Accounting and HR, Administration, | BLCN | $20,000.00 |
| | TOTAL | $20,000.00 |

## 19.0 Consent & Declaration of Completion

Should your application be successful, The OSM Program reserves the right to publish this work plan application. Please check the box below to acknowledge you have read and understand:

☑ I acknowledge and understand.

**Lead Applicant Name**

Chris Swan

**Title/Organization**

Beaver Lake Cree Nation/ Community Based Environmental Monitoring Coordinator

**Signature**

Chris Swan                    Digitally signed by Chris Swan
                              Date: 2023.11.02 09:19:21 -06'00'

**Government Lead / Government Coordinator Name** (if different from lead applicant)

**Title/Organization**

**Signature**

**Please save your form and refer to the instructions page for submission link.**

**Governance Review & Decision Process**

this phase follows submission and triggers the Governance Review

**TAC Review (Date):**

<br>

**ICBMAC Review (Date):**

<br>

**SIKIC Review (Date):**

<br>

**OC Review (Date):**

<br>

**Final Recommendations:**
**Decision Pool:**

<br>

**Notes:**

<br>

**Post Decision: Submission Work Plan Revisions Follow-up Process**

This phase will only be implemented if the final recommendation requires revisions and follow-up from governance

**ICBMAC Review (Date):**

<br>

**SIKIC Review (Date):**

<br>

**OC Review (Date):**

<br>

**Comments:**
**Decision Pool:**

<br>

**Notes & Additional Actions for Successful Work Plan Implementation:**

<br>

_____

Signature