



# 2022-2023 OSM WORK PLAN APPLICATION

This form will be used to assess the merits of the proposed work plan and its fit with the Oil Sands Monitoring (OSM) Program mandate and strategic priorities. Applicants must complete the form in its entirety. Applicants that fail to use this form and complete all sections in the timeframe will not be considered.

OSM Work Plan Submission Deadline: The deadline for submission of proposed work plans is <b>October 5, 2021 at 4:30 PM Mountain Standard time.</b>	<b>October 5, 2021</b> 4:30 PM MST
<b>Decision Notification</b>	Mid to Late January 2022

The OSM Program is governed by the Freedom of Information and Protection of Privacy Act (FOIP) and may be required to disclose information received under this Application, or other information delivered to the OSM Program in relation to a Project, when an access request is made by anyone in the public. Applicants are encouraged to familiarize themselves with FOIP. All work plans are public documents.

## WORK PLAN COMPLETION

Please **Enable Macros** on the form when prompted.

The applicant is required to provide information in sufficient detail to allow the evaluation team to assess the work plan. Please follow the requirements/instructions carefully while at the same time being concise in substantiating the project's merits. The OSM Program is not responsible for the costs incurred by the applicant in the preparation and submission of any proposed work plan.

When working on this form, please maintain Macros compatibility by always saving your draft and your final submission as a **Microsoft Word Macro-Enabled Document**, failure to do so will result in loss of form functionality. This form was created using Microsoft word 2016 on a PC and may not have functionality on other versions of Microsoft on PC or MACS.

All work plans under the OSM Program require either a government lead or a government coordinator. This will ensure that the financial tables (for Alberta Environment and Parks & Environment and Climate Change Canada) are completed accurately for work plan consideration. **However, if an Indigenous community, environmental nongovernmental organization or any other external partner is completing a work plan proposal, they would only complete the grant or contract budget component of the Human Resources & Financials Section** for their project. The government coordinator within Alberta Environment & Parks would be responsible for completing the remaining components of the Human Resources and Financial Section of this Work Plan Application, as they are responsible for contract and grant facilitation of successful submissions. All other sections outside of Human Resources & Financials Section of this work plan proposal are to be completed in full by all applicants.

The OSM Program recognizes that majority of work planning submissions are a result of joint effort and monitoring expertise. Should the applicant wish to submit supplemental materials in addition to their application additional resources are available in the Work Planning Form and Distribution Package, accessible here: [Work Planning Form and Distribution Package](#)

Should you have any **questions** about completing this work planning form or uploading your final submission documents, please send all inquiries by email to: [OSM.Info@gov.ab.ca](mailto:OSM.Info@gov.ab.ca).



## WORK PLAN SUBMISSION

Upon completion of this application, please submit the appropriately named work plan (**Microsoft Word Macro-Enabled Document**) and all supporting documents to the link provided below. Failure to follow the naming convention provided may result in oversight of your application.

Please upload (by drag and dropping) the **WORK PLAN SUBMISSION & ALL SUPPORTING DOCUMENTS** here:

### [WORK PLAN SUBMISSION LINK \(CTRL+CLICK HERE\)](#)

Please use the following file naming convention when submitting your **WORK PLAN**:

**202223\_wkpln\_WorkPlanTitle\_ProjectLeadLastNameFirstName**

**Example:**

202223\_wkpln\_OilSandsResiduesinFishTissue\_SmithJoe

If applicable, please use the following file naming convention when submitting your supplementary or supporting files. Please number them according to the guidance and examples provided:

**202223\_sup##\_WorkPlanTitle\_ProjectLeadLastNameFirstName**

**Examples:**

202223\_sup01\_OilSandsResiduesinFishTissue\_SmithJoe

202223\_sup02\_OilSandsResiduesinFishTissue\_SmithJoe

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. .  
. .

202223\_sup10\_OilSandsResiduesinFishTissue\_SmithJoe

**Do not resave your work plan or documents under any other naming conventions.** If you need to make revisions and resubmit before the work planning deadline of October 5, 2021, **DO NOT** rename your submission. When resubmitting, simply resubmit with the exact naming convention so that it replaces the original submission. **DO NOT** add any additional components such as versioning or dates to the file naming convention. Please direct any questions regarding the submission or naming of submissions to [OSM.Info@gov.ab.ca](mailto:OSM.Info@gov.ab.ca).



## WORK PLAN APPLICATION

PROJECT INFORMATION	
<b>Project Title:</b>	Christina Lake Monitoring Program
<b>Lead Applicant, Organization, or Community:</b>	Conklin Resource Development Advisory Committee – on behalf of Conklin Metis Local 193
<b>Work Plan Identifier Number:</b> <i>If this is an on-going project please fill the identifier number for 20/21 fiscal by adjusting the last four digits: <b>Example:</b> D-1-2020 would become D-1-2022</i>	Previously the program was funded solely by Environment and Climate Change Canada
<b>Project Region(s):</b>	Athabasca
<b>Project Start Year:</b> <i>First year funding under the OSM program was received for this project (if applicable)</i>	2022
<b>Project End Year:</b> <i>Last year funding under the OSM program is requested <b>Example:</b> 2022</i>	Ongoing
<b>Total 2022/23 Project Budget:</b> <i>For the 2022/23 fiscal year</i>	\$188,984.00
<b>Requested OSM Program Funding:</b> <i>For the 2022/23 fiscal year</i>	\$188,984.00
<b>Project Type:</b>	Longterm Monitoring
<b>Project Theme:</b>	Cross-Cutting
<b>Anticipated Total Duration of Projects (Core and Focused Study (3 years))</b>	Year 5
<b>Current Year</b>	<b>Focused Study:</b> Year 1 of 3
	<b>Core Monitoring:</b> Year 5

CONTACT INFORMATION	
<b>Lead Applicant/ Principal Investigator:</b> <i>Every work plan application requires one lead applicant. This lead is accountable for the entire work plan and all deliverables.</i>	Kimberly Desjarlais
<b>Job Title:</b>	Portfolio and Events Coordinator
<b>Organization:</b>	Conklin Resource Development Advisory Committee – (Part time at Higher Ground Consulting)
<b>Address:</b>	114 Father Mecredi's Trail, Conklin, Alberta, T0P 1H1
<b>Phone:</b>	780-799-9761
<b>Email:</b>	kimd@crdac.ca

## PROJECT SUMMARY

*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*

*In the space below please provide a summary (300 words max) 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.*

Christina Lake is the heart of the Community of Conklin. Conklin has a vested interest in preserving the aquatic resources at Christina Lake, including the water quantity and quality, and the fish and fish habitat. Christina Lake is used as the source for municipal water supply (Water License no. 221672-00-00), a source of food, and the location for integral cultural and spiritual activities. There is an increasing concern that negative changes to the aquatic caused by oil sands development could affect the long-term continued use and enjoyment of Christina Lake and/or other local lakes and streams in the region.

Conklin and Christina Lake sits in the middle of the some largest oil leases in the world. SAGD projects surround the small Hamlet on all sides. Companies such as; Cenovus, MEG Energy, CNRL (multiple), Harvest, ConocoPhillips, extract hundreds of thousands a barrels of oil a day kilometres from Conklin. Not only are the leases in very close proximity to the lake, but rivers that feed into Christina Lake pass through these leases first before depositing their contents into the Lake.

Objectives include: the continuation of this community-based and community-endorsed program to have pertinent monitoring performed by members of the Conklin Community and their endorsed environmental entity, and continue to build capacity in community members. The program is intended to observe and monitor any changes noted in water quality, quantity, fish, and fish health in the Christina Lake and tributaries that may be due to local industrial developments and could have a negative impact on the local water resources that are utilized by the Community of Conklin.

The Program initiated with Environment and Climate Change Canada funding in 2018.

## 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 the EEM 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 EEM framework 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
- Discuss results of previous monitoring/studies/development and what has been achieved to date.

Conklin residents are concerned about Christina Lake. These concerns lead to questions surrounding the health of the water and the fish that are pulled from the water. There is added concern about the quantity of water in the rivers and lake. Every tributary that empties into Christina Lake at one point pass through an oil sands lease. Belief that land disturbance, spills, aire emissions and water use are impacting water quality and quantity and subsequently fish health and the perception of the water.

## 2.0 Objectives of the Work Plan

List in point form the Objectives of the 2022/23 work plan below

1. Understand what the impact of the surrounding oil and gas lease development on Christina Lake, its tributaries and the fish:
  - a) Continue with water quality, water quantity and fish health studies, adding another year to the current 3 years of data for trend analysis and measure against provincial environmental quality guidelines and recognized standards.
2. Continue ongoing capacity building of Conklin community members in water quality/quantity, and fish health examination.
3. Add Benthic Invertebrate training and monitoring to the existing program.
  - a) additional sustainable, full-time employment within the Community-approved consulting company leading the program and potential other environmental companies in the region, allowing local residents an opportunity to live in Conklin.
  - b) an additional 8 to 12 Conklin community members with knowledge in sampling techniques and equipment management.
4. Proceed with ongoing feedback loop of program results to community and community input into the program
5. Produce rigorous data that feeds into the core surface water (including aquatics) and groundwater programs to help drive evnironmental policy and best practices going forward. Program will continue using source-pathway-effect based process including predicted In Situ facility ‘source’ that effects wetland datasets, including land disturbance (well pads,linear structures), groundwater dewatering, emissions. Conklin will work with OSM Surface Water and Groundwater Core teams to update as needed for standardized methodology.
6. Confirm that (source) Oil Sands production’s (stressor) increased settlement/land disturbance and contaminants are impacting (pathways) fish, benthic invertebrates, water quantity and quality, and influencing Indigenous harvesting patterns/loss of traditional and cultural practices.

### 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)
- integrate western science with Indigenous Community-Based Monitoring
- addresses the EEM framework 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 Sub Theme

Please select from the dropdown menu below the theme(s) your monitoring work plan relates to:

Surface Water

### 3.2 Core Monitoring or Focused study

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. For the purposes of 2022/23 work planning all Community Based Monitoring Projects are Focused Studies.

Core Monitoring

### 3.3 Sub Theme Key Questions

Please select from the dropdown menus below the sub-theme(s) your monitoring work plan relates to and address the Key Questions:

#### 3.3.1 Surface Water Theme

##### 3.3.1.1. Sub Themes:

Cross Cutting

##### 3.4.1.2 Surface Water Key Questions

Explain how your surface water monitoring program addresses the key questions below.

1. Are changes occurring in water quality, biological health (e.g., benthos, fish) and/or water quantity/flows, to what degree are changes attributable to oil sands activities, and what is the contribution in the context of cumulative effects?

Conklin has established baseline data for water quality and water quantity as well as general field parameters (EC, pH, DO) since 2018 at 12 separate shallow groundwater sites and 12 streams.

Conklin will use this data to measure against incoming data from ongoing monitoring. Conklin looks for:

- Changes to hydrology such as restricted water flow, resulting in changes to water levels and water quality affecting vegetation communities;
- Changes to wildlife, species population presence;
- Changes to water quality from leaks, spills, run-off and atmospheric deposition. Water quality samples look for: trace metals, routines, nutrients and d2H and BTEX.

2. Are changes in water quality and/or water quantity and/or biological health informing Indigenous key questions and concerns?

Yes, community is concerned about the water and the fish that they eat pulled from the water in Christina Lake and its tributaries.

3. Are data produced following OSM Program requirements and provided into the OSM Program data management system?

They will be. Sampling has occurred for 3 years for this program. Conklin will work with surface water/aquatics to align with Core SOP.

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

Yes they will. Sampling has occurred for 3 previous years using best practice methodology.

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

Monitoring will have methodologies that are consistent with Surface Water Core program enabling comparative analysis between communities.

6. 7.6. Where does the monitoring fit on the conceptual model within the EEM framework for the theme area and relative to the conceptual model for the OSM Program theme area? How will this work advance understanding transition towards of the conceptual model EEM framework?



The program fits within surface water theme, linking contamination (emissions air and ground) with impact on water through overland and groundwater transport, and atmospheric deposition (pathway), impacting water quality, fish, benthic invertebrates and traditional use and human health. Understanding the level, if any, impact will influence the community's perception and behaviour.

7. Is the work plan contributing to Programmatic State of Environment Reporting?

Yes, for surface water.





**3.3.2 Groundwater Theme**

**3.3.2.1 Sub Themes:**

Choose an item.

**3.3.2.2 Groundwater Key Questions**

Explain how your groundwater monitoring program addresses the key questions below.

1. Are changes occurring in groundwater quality and/or quantity, to what degree are changes attributable to oil sands activities, are changes affecting other ecosystems, and what is the contribution in the context of cumulative effects?

Click or tap here to enter text.

2. Are changes in groundwater quality and/or quantity informing Indigenous key questions and concerns Indigenous concerns and health?

Click or tap here to enter text.

3. Are data produced following OSM Program requirements and provided into the OSM Program data management system?

Click or tap here to enter text.

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

Click or tap here to enter text.

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

Click or tap here to enter text.

6. Where does the monitoring fit within the EEM framework and relative to the theme area? How will this work advance transition towards the EEM framework?

Click or tap here to enter text.

7. Where does the monitoring fit on the conceptual model for the theme area and relative to the conceptual model for the OSM Program? How will this work advance understanding of the conceptual model?

Click or tap here to enter text.

8. Is the work plan contributing to Programmatic State of Environment Reporting?

Click or tap here to enter text.



**3.3.3 Wetlands Theme**

**3.3.3.1 Sub Themes:**

Choose an item.

**3.3.3.2 Wetland - Key Questions**

Explain how your wetland monitoring program addresses the key questions below.

1. Are changes occurring in wetlands due to contaminants and hydrological processes, to what degree are changes attributable to oil sands activities, and what is the contribution in the context of cumulative effects?

Click or tap here to enter text.

2. Are changes in wetlands informing Indigenous key questions and concerns?

Click or tap here to enter text.

3. Are data produced following OSM Program requirements and provided into the OSM Program data management system?

Click or tap here to enter text.

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

Click or tap here to enter text.

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

Click or tap here to enter text.

6. Where does the monitoring fit within the EEM framework and relative to the theme area? How will this work advance transition towards the EEM framework?

Click or tap here to enter text.

7. Where does the monitoring fit on the conceptual model for the theme area and relative to the conceptual model for the OSM Program? How will this work advance understanding of the conceptual model?

Click or tap here to enter text.

8. Is the work plan contributing to Programmatic State of Environment Reporting?

Click or tap here to enter text.



**3.3.4 Air Theme**

**3.3.4.1 Sub Themes:**

Choose an item.

**3.3.4.2 Air & Deposition - Key Questions**

Explain how your air & deposition monitoring program addresses the key questions below.

1. Are changes occurring in air quality, to what degree are changes attributable to oil sands emissions, and what is the contribution in the context of cumulative effects?

Click or tap here to enter text.

2. Are changes informing Indigenous key questions and concerns?

Click or tap here to enter text.

3. Are data produced following OSM Program requirements and provided into the OSM Program data management system?

Click or tap here to enter text.

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

Click or tap here to enter text.

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

Click or tap here to enter text.

6. Where does the monitoring fit within the EEM framework and relative to the theme area? How will this work advance transition towards the EEM framework?

Click or tap here to enter text.

7. Where does the monitoring fit on the conceptual model for the theme area and relative to the conceptual model for the OSM Program? How will this work advance understanding of the conceptual model?

Click or tap here to enter text.

8. Is the work plan contributing to Programmatic State of Environment Reporting? (Answer Box)

Click or tap here to enter text.



**3.3.5 Terrestrial Biology Theme**

**3.3.5.1 Sub Themes:**

Choose an item.

**3.3.5.2 Terrestrial Biology - Key Questions**

Explain how your terrestrial biological monitoring program addresses the key questions below.

1. Are changes occurring in terrestrial ecosystems due to contaminants and landscape alteration, to what degree are changes attributable to oil sands activities, and what is the contribution in the context of cumulative effects?

Click or tap here to enter text.

2. Are changes in terrestrial ecosystems informing Indigenous key questions and concerns?

Click or tap here to enter text.

3. Are data produced following OSM Program requirements and provided into the OSM Program data management system?

Click or tap here to enter text.

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

Click or tap here to enter text.

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

Click or tap here to enter text.

6. Where does the monitoring fit within the EEM framework and relative to the theme area? How will this work advance transition towards the EEM framework?

Click or tap here to enter text.

7. Where does the monitoring fit on the conceptual model for the theme area and relative to the conceptual model for the OSM Program? How will this work advance understanding of the conceptual model?

Click or tap here to enter text.

8. Is the work plan contributing to Programmatic State of Environment Reporting?

Click or tap here to enter text.



**3.3.6 Cross-Cutting Across Theme Areas**

**3.3.6.1 Sub Themes:**

Choose an item.

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

Click or tap here to enter text.

**3.3.6.2 Cross-Cutting - Key Questions**

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

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

Click or tap here to enter text.

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

Click or tap here to enter text.

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

Click or tap here to enter text.

4. Where does the monitoring fit within the EEM framework and relative to the theme area? How will this work advance transition towards the EEM framework?

Click or tap here to enter text.

5. Where does the monitoring fit on the conceptual model for the theme area and relative to the conceptual model for the OSM Program? How will this work advance understanding of the conceptual model?

Click or tap here to enter text.

6. Is the work plan contributing to Programmatic State of Environment Reporting?

Click or tap here to enter text.

## 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 give consideration for the EEM framework and the approved Key Questions.

It is Conklin's belief that the data gathered from their surface water program will feed into regional Core Surface Water data to provide evidence of impact from oil sands development that will in turn drive necessary mitigation measures and land use planning. The monitoring should parallel and eventually combine with Industry EPEA approvals for surface water monitoring. The coordination/combination of AEP and AER should drive a less redundant process that incorporates both on lease and off lease sites and subsequent data.

## 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

- 1) Conklin has raised concerns regarding impacts of the numerous oil sands leases surrounding Conklin. These concerns relate largely to impact on harvesting and human health. Oil sands development is thought to impact water use and fishing potential impacts through emissions, water drawdown poor water quality and land disturbance, impacting shallow groundwater and surface water that impacts rivers that feed into Christina Lake. .
- 2) Conklin Community Members have has selected key fishing areas that are incorporated into the program for water sampling.
- 3) Indicators and associated protocols –We are working with communities to develop core wetland indicators and protocols that are high valued by the community and can be collected by the community.
- 4) The Conklin Community Consultant Entity has hired two trained Metis Local 193 individuals to perform the majority of the water monitoring field work. In addition, 6 to 12 more community members participate in training each year for water quality and quantity sampling, and the fish dissection and fish tissue evaluation events. Training in benthic invertebrate monitoring will occur this year.
- 5) Evaluation and Reporting –We are working with communities to provide monitoring program information that is valued and effectively-communicated. The CRDAC provides an annual community brochure highlighting the Christina Lake program, its methodologies and the results. An open invitation goes out each year to participate in sampling and fish dissection activities.

Does this project include an Integrated Community Based Monitoring Component?

Yes

## 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 can be assessed against a baseline condition. As relevant give consideration for the EEM framework and the approved Key Questions.

The program takes water quantity and quality samples for 12 shallow ground water wells and 12 tributaries to Christina Lake. In addition, lake samples are taken at various depths and fish are pulled from Community chosen locations. Currently, 2018 is set as the baseline (first year of monitoring) and water quality, quantity and field parameters will be compared against this data set going forward. Overall the social and cultural barriers, real and perceived, will be assessed as it relates to harvesting practices.



## 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 give consideration for the EEM framework and the approved Key Questions.

The Christina Lake Monitoring program will provide data into the Core surface water program. The program track shallow groundwater and surface water flowing from/through oil sands leases. The collection of contaminants can come from aire emissions, spills, seepage and impact soil and water that is monitored coming from these leases. Through water quality sampling and water quantity for river levels, a data set can be produced and use for a trend analysis over time and compared and charted for exceedances as per provincial surface water guidelines.

## 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 give consideration for the EEM framework and the approved Key Questions.

Data gathering/monitoring will be in compliance with SOPs supplied by the Surface Water TAC. The Conklin Team has experienced community members and consultants that work together following best practice/SOPs for sampling procedures. The Conklin data will be provided to the Surface Water Core Program to determine impact and changes over time. In addition, the data is analyzed by the Conklin team and a report is created for the Conklin Team and for Community purposes. In addition, a community brochure is created annually and made readily available containing highlights of the program.

## 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 give consideration for the EEM framework and the approved Key Questions.

The Christina Lake Monitoring Program has had rigorous data gathering for the past 3 years through ECCC funding. Industry best practices have been used for this data gathering. The Program will make the appropriate small changes, if needed, to provide data to the Core Surface Water Program.

The Community-Approved Consulting company hires full-time seasonal Metis Local 193 members as employees for sustainable work, and builds capacity in other community members wanting to participate in the program and/or learn about sampling/monitoring techniques. The new skillsets improve employability within the community consultant as well as the many environmental service providers performing work in the area. Typically, the program, between the community consultant service provider and the community itself has approximately 75% Metis Local 193 members performing all the field work.

As the tributaries are set, the Community members provided input on fishing locations, which feed the Christina Lake surface water sampling as well as where fish are pulled from for fish tissue analysis.

Community member inclusion helps the understanding of the pressure-stressor-pathways-response framework and can confirm and dispel perceptions around water quality/quantity and fish health relating back to oil sand development impacts.

## 10.0 Work Plan Approach/Methods

### 10.1 List the Key Project Phases and Provide Bullets for Each Major Task under Each Project Phase \*

- 1) Community Feedback Session
  - \*Discussion regarding previous year's results, water and fish perception and the upcoming program.
- 2) April/May Field Visit
  - \*Water quantity and Field parameters from 12 Streams and 12 shallow groundwater wells.
  - \*Flow data from 12 streams (width, velocity and depth)
  - \*Installation of levelloggers;s
- 3) July/August Field Visit
  - \*Water quantity and field parameters from 12 streams and 12 shallow ground water wells;
  - \*Water quality samples from 12 streams and 12 groundwater wells.
  - \*Lake samples from different depths at two locations.
  - \*Flow data from 12 streams
- 4) July-September
  - \*Fish Training and collaboration sessions with Community Aquatics expert and OSM Aquatics team
  - \*Benthic Invertebrate training to include for future programming
  - \*Fishing Session for fish tissue health.
- 5) October Field Trip
  - \*Water quantity and field parameters from 12 streams and 12 shallow groundwater wells.
  - \*Retrieval of levelloggers from shallow groundwater wells.
  - \*Flow data from 12 streams

### 10.2 Describe how changes in environmental Condition will be assessed \*

- Changes in surface water condition will be assessed in relation to key oil sands pressures of concern including atmospheric deposition, contaminants (water and soil transport) and water drawdowns.
- Fish protocol will be standardized with Core protocols to ensure consistency.
- Long-term surface water and shallow groundwater monitoring sites will be used to validate data inventories.

### 10.3 Are There Benchmarks Being Used to Assess Changes in Environmental Condition? If So, Please Describe, If Not, State "NONE" \*

Yes, field parameters and water quality are measured against provincial Environmental Quality Guidelines.

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

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

Please note that the following methodologies can be modified as seen fit to meet the Core Surface Water SOP parameters.

#### Shallow groundwater monitoring and field parameters sampling

- Before sampling, the static groundwater level is measured in each monitoring well using a hand-held water level meter;
- Each well is purged of standing water using a new Monoflex polyvinyl chloride (PVC) bailer. The temperature, EC, pH and oxidation-reduction potential (ORP) are measured during the purging process until measurements stabilized to within +/- 0.5°C, 2% EC and 0.1 pH units, respectively;
- Measurements of temperature, EC, pH and ORP are recorded after readings stabilized;
- Samples are then collected using clean-sampling protocols, and those requiring filtering (0.45 µm) and chemical preservation are treated as such in the field;
- Once collected, water samples are placed in ice-filled coolers to ensure chemical integrity during

transport from Conklin, Alberta to Laboratory in Edmonton, Alberta.

- Quality assurance/quality control (QA/QC) procedures for the program consist of the following:
- Collection of one field duplicate sample; and
- Completion of standard chain of custody (COC) documentation during the sampling event.

All samples are collected for a comprehensive suite of chemical analytes including:

- Routine potability (major ions, alkalinity, hardness, and TDS);
- Nutrients and indicators such as nitrate, nitrite, phosphorous, and orthophosphate;
- Dissolved metals and trace elements;
- Benzene, toluene, ethylbenzene and total xylenes (BTEX) and petroleum hydrocarbons (PHCs) fractions (F) 1 and 2 (at select locations); and,
- Polycyclic aromatic hydrocarbons (PAHs), and total phenols (at select locations).

In 2020, PAHs and total phenols were removed from the analytical schedule at some locations that had previously reported non-detectable concentrations for two or more monitoring events.

#### Water Level Measurements

All monitoring wells are fitted with pressure transducers set to take readings at 6-hour intervals. The wells are covered and locked with J-plugs. A barologger deployed in a nearby wetland monitoring well, located at legal description 10, Section 12, Township 77, Range 9 W4M, can be used to correct for atmospheric pressure.

#### Hydraulic Conductivity Testing

Hydraulic conductivity of the sediment situated across the screened interval of the wells is assessed via rising-head tests in Wells 1 to 10 and 12. Testing is performed by lowering the water level in the well with a bailer and measuring the recovering water level with elapsed time, until it reached static.

#### Surface Water Sampling

- In-situ water quality field parameters (temperature, EC, pH, dissolved oxygen, turbidity, and ORP) are measured using a YSI Professional Plus handheld multi-parameter unit;
- A new Monoflex PVC bailer is used to collect the stream water sample(s) and the water is poured into the appropriate laboratory supplied bottles;
- A Van Dorn sampler is used to collect both shallow and deep lake samples;
- Water samples are placed in an ice-filled cooler for transport from Conklin, Alberta to Laboratory in Edmonton, Alberta; and
- Standard COC protocols are followed at all times.

All surface water samples are collected for a comprehensive suite of chemical analytes including:

- Routine potability (major ions, alkalinity, hardness, and TDS);
- Nutrients and indicators such as nitrate, nitrite, chlorophyll a, phosphorous, orthophosphate and BODc;
- Total metals and trace elements;
- BTEX and PHC F1 and F2; and
- PAHs, naphthenic acids, and total phenols (at select locations).

#### Fish Data

Depending on year, fish data, if received from the provincial FIN program includes fork, total length, weight, gender life stage, spawning, maturity. When fish are pulled from the Lake by the Conklin team, fish are dissected and observed by aquatics expert in collaboration with community members. Fish evaluations will mimic surface water/aquatics SOP for upcoming years. Arrangements have been made to have a fish training sessions with OSM Aquatics representatives for the 2022/2023 year.

### 10.5 List the Key Indicators Measured, If Not Applicable, State N/A \*

Core Surface Water indicators are measured at all stream and well sites unless otherwise indicated include:

-Hydrology (water level, river flow; velocity, width, depth)

-Water quality (nutrients, major ions, mercury, trace elements, polycyclic aromatic compounds for open



water wetlands; only nutrients, major ions and total metals are analyzed for peatlands due to limitations in obtaining sufficient volumes for the full OSM SWQ parameter suite. There is very good evidence for SO<sub>2</sub>, NO<sub>x</sub>, PM<sub>2.5</sub>, PM<sub>10</sub>, VOCs, CO, and NH<sub>3</sub> associated with in situ operations based on NPRI datasets and GEM-MACH regional deposition models. BTEX are also included in the Conklin program, which is a divergence from the Core program. Water quality parameters may be reduced after no effects have been detected through surveillance monitoring.

## 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.

Water quality, water quantity, field parameters (pH, EC, temperature, Eh and DO), will be gathered as per SOP methodologies with data provided back to feed the regional OSM program. The Conklin Team has a general meeting with invite to Conklin community members to present the previous year's results and get feedback and input for upcoming programs. Community members participate in all field studies. All community comments are recorded and included in the annual report for review and possible inclusion for future programs. A community brochure is created each year with the results of the monitoring program, and highlighting exceedances and red flags.

## 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

1) Higher Ground Consulting (including Conklin Metis Local 193 employees)– Provides Field Leads and field seconds (and sometime a supporting third field staff, when necessary)for each field component of the Christina Lake Monitorig Program. Please note that Higher Ground employs Conklin Metis 193 members for full time seasonal work. There is always at least 75% Conklin Metis Local 193 employees in each field Program.

Higher Ground professional designated employees complete 100% of the reporting and scientific data analysis.

2)Labarotory

- i) InnoTech – Trace Metals, Routines.
- ii) Bureau Veritas – Nutrients, BTEX
- iii)InnoTech-Victoria – d180, d2H

3) Oak Environmental: Water sampling equipment.

4) The Printing House – Printing of Community Brochure

5 OSM Aquatics Team: Fish/Aquatics Standardization session with consultant and community members. (no cost)

6) Canadian Aquatic Biomonitoring Network: Benthic Invertebrate Training.

7) The Lornel Group – Rental of Geospatial Platform and Database.

\*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 2022-23 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.*



**Data Sharing and Data Management** *Continued*

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

YES

13.2 Type of Quantitative Data Variables:

Continuous

13.3 Frequency of Collection:

Annually

13.4 Estimated Data Collection Start Date:

2022-05-01

13.5 Estimated Data Collection End Date:

2022-11-01

13.6 Estimated Timeline For Upload Start Date:

2022-11-01

13.7 Estimated Timeline For Upload End Date:

2023-03-01

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

NO

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

*Add a Data Source by clicking on the table and then clicking on the blue "+" symbol 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, xls, etc.)	Security Classification
<i>Shallow groundwater quality and quantity</i>	Database	Geopackage or file geodatabase	Open by Default
<i>Surface Water quality and quantity</i>	Database	Geopackage or file geodatabase	Open by Default
<i>Field Parameters</i>	Database	Geopackage or file geodatabase	Open by Default



<i>River Flow Measurements</i>	Database	Geopackage or file geodatabase	Open by Default
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## 14.0 2022/23 Deliverables

Add an additional deliverable by clicking on the table and then clicking on the blue "+" symbol on the bottom right side of table.

Type of Deliverable	Delivery Date	Description
Technical Report	Q4	Summary report of all data gathered and by what methodology. Exceedances are highlighted and recommendations are put forth. Community communication is captured.

## 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.

Kimberly Desjarlais: CRDAC and Higher Ground Consulting Employee and Metis Local 193 Member – Project Administrator and Community Liaison. Kim, a Métis Local 193 member from the Community of Conklin, has been with HGC for over three years, helping lead field studies in wetland. Through HGC’s capacity-building commitment to Indigenous communities, Kim mentors and trains fellow Conklin residents as they look to build their skillset and gain a better understanding of the industrial development occurring in their backyard. With 15 years of environmental experience in Western Canada, Kim helps bridge the gap between perceived and actual effects by utilizing and combining her knowledge in both western science and traditional knowledge.

Kyle Desjarlais: Higher Ground Consulting Employee and Metis Local 193 Member – Kyle has approximately 2 years of field experience in the area of water monitoring, including water quality and quantity monitoring as well as field parameters gathering.

David Berrade: Higher Ground Consulting – B.A., MA Community Development – Project Manager - Dave has extensive experience in environmental projects throughout Alberta and has managed and implemented programs, including environmental monitoring programs, in both rural and urban settings. Over the past 15 years David has worked with regulators on a provincial and federal level on projects that included fisheries, wildlife, soil, water and wetland disciplines. David has managed the Conklin Wetland Project for the past three years and performs much of the non-technical report writing.

Chris Stoesz: Higher Ground Consulting – P. Bio – Fisheries Lead - Mr. Stoesz has over 20 years of experience in the consulting sector. He has been involved in managing the aquatic ecology component of a variety of projects, including pipeline projects, oil sands environmental impact assessments (EIAs), fish health studies for environmental effects monitoring (EEM) as well as attaining regulatory approvals for construction and fish habitat enhancement projects. Chris is very experienced working with the Water Act and the Fisheries Act, and has been responsible for attaining multiple project approvals on time via creative offsetting plans. He is an experienced project manager, is well-versed in field data collection methods, data analysis, and reporting. Chris has designed and implemented short and long-term monitoring programs for instream construction projects and accidental industrial releases, as well as responding to initial spill response.

Cameron Johnston: Higher Ground Consulting - B.Sc., P. Biol – Lead Wetlands Specialist - Cameron Johnston has worked in environmental consulting since 2008, with 10 of his most recent years focused on wetlands, vegetation, and water related projects. He is experienced in wetland and surface water monitoring programs for largescale oil sands projects as well as smaller scale developments and community-based monitoring. Cameron has also provided baseline vegetation assessments for multiple industrial sectors, surveyed and reported for wetland impacts, consulted clients on rare plant mitigations, and managed the vegetation component on numerous projects from field surveying to regulatory applications. Cameron’s environmental background as well as technical data management and GIS experience allow him to work directly with the environmental reporting and data components to ensure efficient and effective reporting and deliverables. He is also an educator and has conducted field training with indigenous communities in the province as well as taught water management in both a formal classroom and field setting. Cameron will lead/oversee field studies and the vegetation reporting.

Melanie Myden: M. Sc. P. Geol. – Senior Hydrogeologist - Melanie has over 15 years of professional experience



and specializes in water quality analysis and assessments and has extensive experience and understanding of the AB Surface Water Quality Guidelines, Tier 1 and 2 Guidelines and the AB Wetlands Policy. Melanie leads efforts, beginning at the planning phase, to develop comprehensive water quality monitoring plans that meet client and regulatory requirements, while also ensuring the community and public needs are met. She is also experienced in coordinating and communicating relevant program status and potential issues with clients and regulatory agencies. Melanie manages, analyzes and reports on the water data for the program.



## 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 AEP 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 AEP

Add an additional AEP Staff member by clicking on the table and then clicking on the blue "+" symbol on the bottom right side of 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
Click or tap here to enter text.	Click or tap here to enter text.	0%

#### Table 16.1.2 ECCC

Add an additional ECCC Staff member by clicking on the table and then clicking on the blue "+" symbol on the bottom right side of table. The total FTE (Full Time Equivalent) is Auto Summed in Table 16.2.2

Name (Last, First)	Role	% Time Allocated to Project
Click or tap here to enter text.	Click or tap here to enter text.	0%

The tables below are the financial tables for Alberta Environment & Parks (AEP) 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 (ctrl + click the link below). Please note that completion of this Project Finance Breakdown Template is mandatory and must be submitted along with each workplan.

## [PROJECT FINANCE BREAKDOWN TEMPLATE \(CTRL+CLICK HERE\)](#)

**Table 16.2.1 Funding Requested BY ALBERTA ENVIRONMENT & PARKS**

Organization – Alberta Environment & Parks ONLY	Total % time allocated to project for AEP staff	Total Funding Requested from OSM
<b>Salaries and Benefits</b> <i>(Calculated from Table 16.1.1 above)</i>	<b>0.00%</b>	<b>\$0.00</b>
<b>Operations and Maintenance</b>		
Consumable materials and supplies		\$0.00
Conferences and meetings travel		\$0.00
Project-related travel		\$0.00
Engagement		\$0.00
Reporting		\$0.00
Overhead		\$0.00
<b>Total All Grants</b> <i>(Calculated from Table 16.4 below)</i>		<b>\$188,984.00</b>
<b>Total All Contracts</b> <i>(Calculated from Table 16.5 below)</i>		<b>\$0.00</b>
<b>Sub- TOTAL</b> <i>(Calculated)</i>		<b>\$188,984.00</b>
Capital*		\$0.00
<b>AEP TOTAL</b> <i>(Calculated)</i>		<b>\$188,984.00</b>

\* 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
<b>Salaries and Benefits FTE</b> <i>(Please manually provide the number in the space below)</i>		
Salaries and Benefits		\$0.00
<b>Operations and Maintenance</b>		
Consumable materials and supplies		\$0.00
Conferences and meetings travel		\$0.00
Project-related travel		\$0.00
Engagement		\$0.00
Reporting		\$0.00
Overhead		\$0.00
<b>ECCC TOTAL</b> <i>(Calculated)</i>		<b>\$0.00</b>

\* 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 the table and then clicking on the blue "+" symbol on the bottom right side of table. The total of all Grants is Auto Summed in Table 16.2.1*

GRANT RECIPIENT - ONLY: Name	Kim Desjarlais
GRANT RECIPIENT - ONLY: Organization	Conklin Resource Development Advisory Committee on behalf of the Metis Local 193
<b>Category</b>	<b>Total Funding Requested from OSM</b>
Salaries and Benefits	\$111,580.00
<b>Operations and Maintenance</b>	
Consumable materials and supplies	\$5,900.00
Conferences and meetings travel	\$0.00
Project-related travel	\$14,450.00
Engagement	\$23,200.00
Reporting	\$28,664.00
Overhead	\$5,190.00
GRANT TOTAL <i>(Calculated)</i>	<b>\$188,984.00</b>

**Table 16.4**

**Complete ONE table per Contract recipient.**

*Add a Recipient by clicking on the table and then clicking on the blue "+" symbol on the bottom right side of 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	Click or tap here to enter text.
CONTRACT RECIPIENT - ONLY: Organization	Click or tap here to enter text.
<b>Category</b>	<b>Total Funding Requested from OSM</b>
Salaries and Benefits	\$0.00
<b>Operations and Maintenance</b>	
Consumable materials and supplies	\$0.00
Conferences and meetings travel	\$0.00
Project-related travel	\$0.00
Engagement	\$0.00
Reporting	\$0.00
Overhead	\$0.00
CONTRACT TOTAL <i>(Calculated)</i>	<b>\$0.00</b>

**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
<b>Salaries and Benefits</b> <i>Sums totals for salaries and benefits from AEP and ECCC ONLY</i>	\$0.00
<b>Operations and Maintenance</b>	
<b>Consumable materials and supplies</b> <i>Sums totals for AEP and ECCC ONLY</i>	\$0.00
<b>Conferences and meetings travel</b> <i>Sums totals for AEP and ECCC ONLY</i>	\$0.00
<b>Project-related travel</b> <i>Sums totals for AEP and ECCC ONLY</i>	\$0.00
<b>Engagement</b> <i>Sums totals for AEP and ECCC ONLY</i>	\$0.00
<b>Reporting</b> <i>Sums totals for AEP and ECCC ONLY</i>	\$0.00
<b>Overhead</b> <i>Sums totals for AEP and ECCC ONLY</i>	\$0.00
<b>Total All Grants (from table 16.2.1 above)</b> <i>Sums totals for AEP Tables ONLY</i>	\$188,984.00
<b>Total All Contracts (from table 16.2.1 above)</b> <i>Sums totals for AEP Tables ONLY</i>	\$0.00
<b>Sub- TOTAL</b>	\$188,984.00
<b>Capital*</b> <i>Sums total for AEP</i>	\$0.00
<b>GRAND PROJECT TOTAL</b>	\$188,984.00

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.

Click or tap here to enter text.



## 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 blue "+" symbol on the bottom right side of table.

DESCRIPTION	SOURCE	EQUIVALENT AMOUNT (\$CAD)
Click or tap here to enter text.	Click or tap here to enter text.	\$0.00
<b>TOTAL</b>		<b>\$0.00</b>



## 19.0 Consent & Declaration of Completion

**Lead Applicant Name**

Kimberly Desjarlais

**Title/Organization**

Portfolio and Events Coordinator/ Conklin Resource Development Advisory Committee

**Signature**

Kimberly Desjarlais

**Date**

2021-10-05

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

Click or tap here to enter text.

**Title/Organization**

Click or tap here to enter text.

**Signature**

Click or tap here to enter text.

**Date**

Click or tap to enter a date.



## PROGRAM OFFICE USE ONLY

### **Governance Review & Decision Process**

*this phase follows submission and triggers the Governance Review*

**TAC Review (Date):**

Click or tap to enter a date.

**ICBMAC Review (Date):**

Click or tap to enter a date.

**SIKIC Review (Date):**

Click or tap to enter a date.

**OC Review (Date):**

Click or tap to enter a date.

**Final Recommendations:**

**Decision Pool:**

Choose an item.

**Notes:**

Click or tap here to enter text.

### **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):**

Click or tap to enter a date.

**SIKIC Review (Date):**

Click or tap to enter a date.

**OC Review (Date):**

Click or tap to enter a date.

**Comments:**

**Decision Pool:**

Choose an item.

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

Click or tap here to enter text.