

2018-19 Work Plan Template

All fields with an * are mandatory

Project Title *	Key Words (max 10) *
Community Led Berry Contamination Study - Fort McKay	Indigenous, traditional knowledge, community led, berries, cultural keystone species, oil sands

Project Information		Co-Chair Decision (March 8, 2018)
Project Objective(s) (Bullet Form) *	<ul style="list-style-type: none"> Produce qualitative and quantitative data spanning many years that will provide insights on the level of contamination and impacts that oil sands development has on traditional wild food supplies in northern Alberta. Support community involvement in program design, implementation, evaluation, reporting, and communication to ensure the project is based on community-specific priorities. Provide opportunities for relationship building, knowledge sharing, and time on the land. Provide educational opportunities for all participants involved to learn new perspectives and skills. 	<p>*Decision Pool A: Workplan approved. * Approved at \$158,868 * Activities to be captured under the Oil Sands Monitoring Program Community Based Monitoring Initiatives * It is a requirement of funding that key members of the project team participate in a Community Based Monitoring Task Group to be informed by the Oil Sands Monitoring Secretariat. The Task Group will be coordinated by Gleb Raygorodetsky (AEP) and Krista Tremblett and will identify the options for managing and assessing CBM under the Oil Sands Monitoring Program. The Team is to recommend to the OSM Program Co-Chairs and Science-Co-Leads the preferred path forward. A preferred option is requested by May 31, 2018 *Funding expectations: As a minimum, an annual progress report for this project is required by February 28, 2019. All publications or products resulting from this work requires acknowledgement of funding from the Oil Sands Monitoring Program and are to be provided to the Oil Sands Monitoring Secretariat for tracking and any programmatic communications purposes. Work funded through the Oil Sands Program will be available for public dissemination.</p>
Plain Language Overview (100 words) *	<p>This project records Fort McKay First Nation members' observations about changes in berry health and quality due to oil sands industrial development through community-led, traditional environmental knowledge-based monitoring of culturally significant berry patches. Fort McKay then works with the Wood Buffalo Environmental Association to apply western science to quantitatively measure these observed changes. The cultural identity of Fort McKay First Nation members is intertwined with their food sovereignty and food security, therefore the continued access to cultural keystone species of berries is paramount for their health and well-being. Participating Fort McKay First Nation members visit each berry patch during the field season to record qualitative observations, to harvest berries for analysis of health compounds and contaminants, and to measure air quality.</p>	
Project Duration *	Project Original Start Date *	Estimated Completion Date *
Multi-Year	1/1/2011	31/03/2022
Specify Objectives This Project Will Address in 2018/2019. *	<p>2018-2019 Proposed Research Activities: In 2018-2019 the Fort McKay berry project participants will continue regular visits to the berry patches to record observations and monitoring informed by traditional knowledge and to scientifically monitor air, weather, and test berries for contaminants and nutritional quality. Rather than having the entire berry group make the regular visits, teams of three people from Fort McKay will attend each</p>	
Specify Objectives This Project Will Address Beyond 2018/19 (if multi-year). *	<p>As this project continues to progress, Fort McKay members will become increasingly capable and responsible for collecting the western science data. Youth will be trained and may have a growing contribution to the project over time.</p>	
List Key Questions/Hypotheses Related to Each Objective Stated Above. *	<p>Hypothesis: Industrial development is having a negative impact on the condition of culturally important berry patches.</p>	
Main Assumptions, Constraints, Dependencies. *	<p>Fort McKay Elders will remain available and interested in supporting this project. There will be an adequate berry crop from which to harvest. Youth will be available and interested in participating in the project.</p>	
Partner Categories (select all that apply) * A partner is an individual, group, agency, community etc. that is an active participant in the project and in achieving the project deliverables.	Knowledge System *	Location (select all that apply) *
<input type="checkbox"/> Federal Government <input type="checkbox"/> Another AEP Division <input type="checkbox"/> Another GoA Department <input type="checkbox"/> University/Academic Institution <input type="checkbox"/> Solely delivered by GoA <input type="checkbox"/> Citizen Science <input checked="" type="checkbox"/> Indigenous Community or Organization <input checked="" type="checkbox"/> ENGO <input type="checkbox"/> Other	Both	<input type="checkbox"/> Office or Laboratory <input type="checkbox"/> Sub-regional <input type="checkbox"/> Transboundary (provincial/territorial) <input type="checkbox"/> Lower Peace Region <input type="checkbox"/> Upper Peace Region <input type="checkbox"/> North Saskatchewan Region <input type="checkbox"/> Red Deer Region <input checked="" type="checkbox"/> Lower Athabasca Region <input type="checkbox"/> Upper Athabasca Region
AEP ONLY: Strategic Alignment to EMSD Outcomes		
<p>AEP ONLY: Strategic Alignment to EMSD Science Plan, select 1-2 areas that apply (if Applicable)</p> <p>Ecosystems and Predicting Change Human Relationship with the Environment</p>		
AEP ONLY: Strategic Alignment to AEP Departmental Outcomes		
AEP ONLY: Environmental and Ecosystem Health and Integrity	AEP ONLY: Sustainable Economic Diversity	AEP ONLY: Social Well-Being
Biodiversity	No	Yes

AEP ONLY: Protected Public Health and Safety from Environmental	
Yes	
AEP ONLY: IMAG/IMSC Information Needs, Please Specify Which Need(s) is Being Addressed. File location M:\EMSD\Common\Portfolio Mgmt System Shared Docs	<p>Ref# 19: Question - What is the current and historical condition or status of indicator X in region Y? And how is it changing over time?</p> <p>Ref# 30: Question - What are the levels of contaminants (metals and PAH, pesticides) in country foods (e.g. berries, meat, medicine)? Are the levels safe? Where are the contaminants coming from?</p> <p>Ref# 34: Question - What is the abundance and distribution of species that are valued by Indigenous</p>
AEP ONLY: How This Project Will Address Each Strategic Theme Selected Above.	This project will help to answer questions that local Indigenous communities and organizations have about ecosystem change. A fundamental piece of this work will be the human element and the delicate relationship that humans have with the land. The focus of the program will be on biodiversity and the data collected using a MEB approach will be valuable within the broader OSM program as well as to inform regional planning initiatives such as the Biodiversity management Frameworks.
Project Methodology	
List the Key Project Phases and Provide Bullets for Each Major Task Under Each Project Phase. *	<p>There are four major phases that have been developed over the past five years:</p> <p>1. Planning</p> <ul style="list-style-type: none"> • Meet in April to discuss site visit schedule, identify participants for each visit • Reach out to youth centre to identify youth participants in summer field visits • Build trianing plan for Steering Group membership
Describe How Changes in Environmental Condition Will Be Assessed. *	Both qualitative and quantitative data will be collected to assess changes in environmental condition. Changes to the condition of berries and berry patches, based on the lived experiences and traditional knowledge of the community Elders and knowledge holders, have been recorded at every site visit over the past five years and will continue to be documented. Currently, berries harvested from Fort McKay are analyzed for trace elements and health compounds and both air quality and climate data is
Are There Benchmarks (e.g., objectives, tiers, triggers, limits, reference conditions, thresholds, etc.) Being Used to Assess Changes in Environmental Condition? If So, Please Describe, If Not, State "NONE". *	While no regulated or formal benchmarks have been established, Fort McKay community members rely up on their historical knowledge of the area and plant condition to determine changes in environmental condition.
Provide a Brief Description of the Methods By Project Phase. *	<p>Phase 1: Planning</p> <p>This is a crucial phase in community-based and indigenous methodologies. The group needs to decide the best timing and participants schedule for the fieldwork. Everyone needs to be informed and in agreement about project plans.</p>
List the Key Indicators Measured. *	<p>Traditional Knowledge Indicators:</p> <p>Berry colour, size, plumpness, timing of flower and fruit, taste, sheen.</p> <p>Plant leafiness, height, production, moisture.</p> <p>General concerns - dust on berries, odour in air, season regularity, heat, rain, major events from industry, disruption of berry habitat, systems of respect in place - ceremonial offerings, respectful</p>
Describe Sample Handling Procedures, If Not Applicable, State N/A. *	<p>Passive Samples:</p> <ul style="list-style-type: none"> • Wear a new pair of Powder-free gloves at each site, one pair to retrieve samples and a new pair to deploy new samplers. • Hold samplers on edges only. • Ensure samples are stored properly kept reffridgerated.
List SOPs that Will Be Used, If Not Applicable, State N/A.*	<ul style="list-style-type: none"> • WBEA SOP - Passive Sampling • WBEA SOP - Traditional Ecological Knowledge Project
Describe the QA/QC Plan, If Not Applicable, State N/A. *	N/A
Describe How Indigenous Communities are Involved in the Project Design, Data Collection, and Analysis (Knowledge Co-creation) and How is their Consent Sought. If Not Applicable, State N/A.*	As a community-led project, Fort McKay (a Cree and Dene community) members are involved in all aspects of the project, including program design, implementation, evaluation, reporting, and communication to ensure the project is developed at a pace that is dictated by the community and is based on community-specific priorities.
Components Delivered by Others	
List by Project or Project Phase Each Component That Will Be Delivered by An External Party (including analytical laboratories) and Name the Party. State None if Not Required. *	<p>All phases of this project are delivered by the WBEA which supports the project in a technical and administrative capacity and sub-contracts the following parties to deliver specific components:</p> <p>1) Little Seed Consulting is the environmental anthropologist/ethnoecologist on the project and is also part of every project phase.</p> <p>2) Testing (phase 3) is provided by:</p>
Will These Components be Delivered Under Grant or Contract or Both? Please Describe and Name the Associate Work Plan/Grant/Contract for These Services if Not Included Within This Work Plan. *	Contract with the Wood Buffalo Environmental Association (WBEA). WBEA is a non-profit, dynamic collaboration of communities, environmental groups, industry, government, and Aboriginal members. WBEA monitors the environment in the Regional Municipality of Wood Buffalo by focusing on air, terrestrial, and human exposure monitoring and reports the data in a public forum.
Monitoring Site Locations and Coordinates (for all sites, please add them to the Monitoring Site Location tab - a separate excel sheet)	

Attach Map of Locations. Distinguish Indicators by Station if Necessary. Distinguish Sampling Frequency by Station if Necessary.	The sample locations are sensitive to Fort McKay from a cultural standpoint. General locations are provided in the annual final reports. Fort McKay samples at four sites and visits each site monthly from May/June through to berry production in August/September.	
Project Schedule		
FOR OIL SANDS MONITORING PROJECTS ONLY: A coordinated field monitoring schedule for the OSM Program is required. Please complete the attached document named "OSM Program Field Monitoring Schedule" in addition to this work plan. Fill as much as you can recognizing that scheduling changes will occur and the scheduling document will be updated regularly. Please note the scheduling document will be shared with stakeholders.	Q1 April/May - Planning meeting May/June - First site visits Q2 July/August - Summer site visits August/September - Berry Harvest Q3 Berry sample testing Preparation of draft results reports Q4 Validation with community	
	N/A	
FOR OIL SANDS MONITORING PROJECTS ONLY: Have You Coordinated With Other Project Leads On Field Logistics? If So, Please Specify. *		
Other		
Additional Details.		
Will Capacity Building and Training be a Component of the Project and If So, Explain How. If Not, State N/A.*	Yes. The WBEA technicians engaged in this project will spend additional time this summer teaching Fort McKay participants how to collect the meteorological data and air quality samples themselves. This will be done at each site visit and will be complemented by an in-class session.	
Environmental Impact and Considerations.		
Data Management and Digital Assets		
Will Data be Produced as a Result of This Project? *	Type of Quantitative Data Variables	Frequency Of Collection
Yes	Discrete	Other
	Also Qualitative	
Data Collection Period: Start Date - End Date	Timeline For Upload Period: Start Date - End Date	
May 2018 - September 2018	February 2019 - March 2019	
Is There a Data Sharing Agreement? (Yes or No).	Yes	
Will the Data Include Traditional Knowledge as Defined by and Provided by an Indigenous Representative, Community or Organization (Yes / No).	Yes	
Platform/Location of Data Storage.	Data is stored in WBEA's data management system.	
Project Deliverables		
Proposed 2018-19 Deliverable Type (for each deliverable outline document, presentation, meeting, etc.)		
<input type="checkbox"/> Peer-reviewed Journal Publication	<input type="checkbox"/> Peer-reviewed Conference Proceeding	<input type="checkbox"/> Non-peer reviewed Conference Proceeding
Q1 - Deliverable, Comments	Q1 - Deliverable, Comments	Q1 - Deliverable, Comments
Baker will have a draft prepared on the 5-year review of this project. It will be co-authored with a least one of Fort McKay's consulting scientists and will be included in a special issue that WBEA scientists are preparing.		
Q2 - Deliverable, Comments	Q2 - Deliverable, Comments	Q2 - Deliverable, Comments
Baker has been invited to submit a paper as a part of a special issue in the journal "Extractive Industries and Society". Her paper will be on risk perception and air pollution, using Fort McKay as an example.		

Q3 - Deliverable, Comments	Q3 - Deliverable, Comments	Q3 - Deliverable, Comments
Baker, Davidson, and Spink are preparing a paper on Fort McKay determined thresholds.		
Q4 - Deliverable, Comments	Q4 - Deliverable, Comments	Q4 - Deliverable, Comments
<input type="checkbox"/> Technical Report	<input type="checkbox"/> Book Chapter	<input type="checkbox"/> Public Dissemination Document
Q1 - Deliverable, Comments	Q1 - Deliverable, Comments	Q1 - Deliverable, Comments
Q2 - Deliverable, Comments	Q2 - Deliverable, Comments	Q2 - Deliverable, Comments
Q3 - Deliverable, Comments	Q3 - Deliverable, Comments	Q3 - Deliverable, Comments
	Bear Stories in the Berry Patch: Caring for Boreal Forest Cycles of Respect. Book Chapter an edited volume that Clint Westman, Tara Joly, and Lena Grossman are editing entitled "Ecology, Ontology, and Settler Colonialism in Canada's Oil	
Q4 - Deliverable, Comments	Q4 - Deliverable, Comments	Q4 - Deliverable, Comments
	Baker, Janelle Marie and Fort McKay Berry Group 2019 (Forthcoming) Cranberries are Medicine: Monitoring, Sharing, and Consuming Cranberries in Fort McKay. <i>In</i> Wisdom Engaged: Traditional Knowledge for Northern Community Well-Being.	
<input type="checkbox"/> Conference Presentation(s)	Stakeholder Presentation	<input type="checkbox"/> Key Engagement/Participation Meeting*
Q1 - Deliverable, Comments	Q1 - Deliverable, Comments	Q1 - Deliverable, Comments
Choose one	Choose one	Name of Meeting, Year, Location, Dates, Participant Groups and Number of Participants.
Baker will give a position paper at an invited workshop funded by a NSF grant on "Citizen Science and the Food System" at University of Hawaii in April 2018. She will use this project as a case study for that paper.		April 2018 -Project Kick-off and Planning Meeting - Fort McKay First Nation. Will include representatives from WBEA, Littleseed Consulting, GoA and the members of the Berry Steering Group. Estimated 15 participants.
Q2 - Deliverable, Comments	Q2 - Deliverable, Comments	Q2 - Deliverable, Comments
Choose one	Choose one	Name of Meeting, Year, Location, Dates, Participant Groups and Number of Participants.
Baker will give a paper at the Canadian Anthropology Meeting in Cuba in May 2018 on the impacts of company-directed safety protocols on traditional land-users. Some of the ethnographic information from this project will		
Q3 - Deliverable, Comments	Q3 - Deliverable, Comments	Q3 - Deliverable, Comments
Choose one	Choose one	Name of Meeting, Year, Location, Dates, Participant Groups and Number of Participants.
		December 2018 - Validation Meeting - Fort McKay First Nation. Will include representatives from WBEA, Little Seed Consulting and the members of the Berry Steering Group. Estimated 15 participants.
Q4 - Deliverable, Comments	Q4 - Deliverable, Comments	Q4 - Deliverable, Comments
Choose one	Choose one	Name of Meeting, Year, Location, Dates, Participant Groups and Number of Participants.
		March 2019 - Project Open House - Fort McMurray. Will include representatives from WBEA, Little Seed Consulting, additional consulting support, GoA, the members of the Berry Steering Group and additional participants of the Berry Expansion
<input type="checkbox"/> EMSD Strategic & Operational Publication	<input type="checkbox"/> Other Documents	
Q1 - Deliverable, Comments	Q1 - Deliverable, Comments	

Q2 - Deliverable, Comments	Q2 - Deliverable, Comments	
Q3 - Deliverable, Comments	Q3 - Deliverable, Comments	
Q4 - Deliverable, Comments	Q4 - Deliverable, Comments	
Proposed Deliverables After 2018/2019 for the project funds received in 2018/2019		
<input type="checkbox"/> Peer-reviewed Journal Publication	<input type="checkbox"/> Peer-reviewed Conference Proceeding	<input type="checkbox"/> Non-peer reviewed Conference Proceeding
Q1 - Deliverable, Comments	Q1 - Deliverable, Comments	Q1 - Deliverable, Comments
Q2 - Deliverable, Comments	Q2 - Deliverable, Comments	Q2 - Deliverable, Comments
Q3 - Deliverable, Comments	Q3 - Deliverable, Comments	Q3 - Deliverable, Comments
Q4 - Deliverable, Comments	Q4 - Deliverable, Comments	Q4 - Deliverable, Comments
<input type="checkbox"/> Technical Report	<input type="checkbox"/> Book Chapter	<input type="checkbox"/> Public Dissemination Document
Q1 - Deliverable, Comments	Q1 - Deliverable, Comments	Q1 - Deliverable, Comments
Q2 - Deliverable, Comments	Q2 - Deliverable, Comments	Q2 - Deliverable, Comments
Q3 - Deliverable, Comments	Q3 - Deliverable, Comments	Q3 - Deliverable, Comments
Q4 - Deliverable, Comments	Q4 - Deliverable, Comments	Q4 - Deliverable, Comments

<input type="checkbox"/> Conference Presentation(s)	<input type="checkbox"/> Stakeholder Presentation	<input type="checkbox"/> Key Engagement/Participation Meeting *
Q1 - Deliverable, Comments	Q1 - Deliverable, Comments	Q1 - Deliverable, Comments
Choose one	Choose one	Name of Meeting, Year, Location, Dates, Participant Groups and Number of Participants. April 2019 -Project Kick-off and Planning Meeting - Fort McKay First Nation. Will include representatives from WBEA, Littleseed Consulting, GoA and the members of the Berry Steering Group. Estimated 15 participants.
Q2 - Deliverable, Comments	Q2 - Deliverable, Comments	Q2 - Deliverable, Comments
Choose one	Choose one	Name of Meeting, Year, Location, Dates, Participant Groups and Number of Participants.
Q3 - Deliverable, Comments	Q3 - Deliverable, Comments	Q3 - Deliverable, Comments
Choose one	Choose one	Name of Meeting, Year, Location, Dates, Participant Groups and Number of Participants. December 2019 - Validation Meeting - Fort McKay First Nation. Will include representatives from WBEA, Little Seed Consulting and the members of the Berry Steering Group. Estimated 15 participants.
Q4 - Deliverable, Comments	Q4 - Deliverable, Comments	Q4 - Deliverable, Comments
Choose one	Choose one	Name of Meeting, Year, Location, Dates, Participant Groups and Number of Participants. March 2020 - Project Open House - Fort McMurray. Will include representatives from WBEA, Little Seed Consulting, additional consulting support, GoA, the members of the Berry Steering Group and additional participants of the Berry Expansion
<input type="checkbox"/> EMSD Strategic & Operational Publication	<input type="checkbox"/> Other Documents	
Q1 - Deliverable, Comments	Q1 - Deliverable, Comments	
Q2 - Deliverable, Comments	Q2 - Deliverable, Comments	
Q3 - Deliverable, Comments	Q3 - Deliverable, Comments	
Q4 - Deliverable, Comments	Q4 - Deliverable, Comments	
All Completed Products		if a
multi-year project, specify all completed products to date (consistent format for the fields below). Add rows as required.		
Journal Paper		
Required Format: Author (follow APA citation format), Year, Title, Journal, Volume, Page Numbers, Open or Closed and Document Location Example: Jacoby, W. G. (1994). Public Attitudes Toward Government Spending. American Journal of Political Science, 38(2), 336-361.		
Fearon, J. D., & Laitin, D. D. (2003). Ethnicity, Insurgency, and Civil War. American Political Science Review, 97(01), 75. doi: 10.1017/S0003055403000534		
1) Baker, Janelle Marie (2017). Research as Reciprocity: Northern Cree Community-Based and Community-Engaged Research on Wild Food Contamination in Alberta's Oil Sands Region. Engaged Scholar Journal: Community-Engaged Research, Teaching, and Learning 2(1):109-123.		
2) Baker, Janelle Marie (2018). Do Berries Listen? Berries as Indicators, Ancestors, and Agents in Canada's Oil Sands Region. Ethnos. (Special issue on plant semiotics)		
3)		
4)		

5)
Technical Report
Required Format: Author, Year, Title, Publisher Location, Name of Publisher, Publisher, Document Location
Example: Author, F.M. (Publication Year). Title of Report (Report No. XXX). Publisher City, State: Publisher
1) Dann, T (2016) Report on Chemical Analysis of 2015 and 2016 Berries & Atmospheric Measurements for WBEA Traditional Knowledge Program
2)
3)
4)
5)
Book Chapter
Required Format: Author, Year, Title of Paper, Editors, Title of Book, Page Numbers, Location of Publisher, Name of Publisher, Document Location
Example: Hemingway, E. (1999). The Killers. In J. Updike & K. Kenison (Eds.), <i>The Best American Short Stories of the Century</i> (pp.78-80). Boston, MA: Houghton Mifflin)
1) Baker, Janelle Marie, and Fort McKay Berry Group (2019). <i>Cranberries are Medicine: Monitoring, Sharing, and Consuming Cranberries in Fort McKay. In Wisdom Engaged: Traditional Knowledge for Northern Community Well-Being</i> . L.M. Johnson, ed. Edmonton: University of Alberta Press.
2) Black Elk, Linda, and Janelle Marie Baker (2018) <i>From Traplines to Pipelines: Oil Sands and Pollution of Berries and Sacred Lands from Northern Alberta to North Dakota. In Indigenous Peoples' Land Rights and the Roles of Ethnoecology and Ethnobotany: Strategies for Canada's Future</i> . N.J. Turner.
3)
4)
5)
Conference Proceeding
Required Format: Author, Year, Title of Paper, Editors, Title of Proceedings, Name of Conference Location of Conference, Publisher Location, Name of
Example: Author of Paper, A., & Author of Paper, B. (Year, Month date). Title of Paper. In A. Editor, B. Editor, & C. Editor. Title of Published Proceedings. Paper Presented at Title of Conference: Subtitle of Conference, Location (inclusive page numbers). Place of Publication: Publisher.)
1)
2)
3)
4)
5)
Public Dissemination Document
Required Format: Author, Year, Title, Journal / Report, Volume, Publisher, Page Number, Number of Pages, Document Location
1) WBEA, 2017, WBEA Factsheet: Traditional Ecological Knowledge (TEK), Brochure available at http://www.wbea.org/download/wbea_factsheet_traditional_ecological_knowledge_tek_.pdf
2)
3)
4)
5)
AEP ONLY: EMSD Strategic and Operational Publication
Required Format: Author, Year, Title, Publisher Location, Name of Publisher, Publisher, Document Location
1)
2)
3)
4)
5)
Other Documents
Detailed Information of Other Documents
1)
2)
3)
4)
5)
Conference Presentation
Required Format: Presenter, Date, Location, Title, Platform or Poster, Conference Name
1) Janelle Marie Baker, May 10-13, 2017, Montreal, Quebec, For Profit or Print: Reflecting on How to be a Useful Ethnobiologist, Oral Presentation, Society of Ethnobiology 40th Annual Conference
2) Janelle Marie Baker, May 11-15, 2016, Halifax, Nova Scotia, Solidar(i)tes. Do Berries Listen?: Wild Food Contamination and Reciprocity in Alberta's Oil Sands Region, Oral presentation, Canadian Anthropology Society
3) Society for Applied Anthropology. Intersections. Vancouver, BC. March 29-April, 2016. <i>Monitoring Extreme Extraction in Alberta's Oil Sands: The Fort McKay Berry Project</i> .
4) Janelle Marie Baker, March 16-19, 2016, "Shhh the berries will hear you!": Ethnobiology, Posthumanism, and Cree-Berry Reciprocal Relationships, Oral Presentation, Society of Ethnobiology 39th Annual Conference, Tucson, Arizona
5) Janelle Marie Baker, November 18-22, 2015, Denver Colorado, Risky Participation: The Role of Risk Perception in First Nations Consultation in the Albertan Oil Sands Region, Oral Presentation, American Anthropology Association 114th Annual Meeting.
6) Janelle Marie Baker, May 25-29, 2015, Edmonton, Alberta, First Nations Perceptions of Wild Food Contamination in Alberta's Oil Sands
7) Wisdom Engaged: Traditional Knowledge and Northern Community Well-Being. Edmonton, Alberta. February 18-22, 2015. <i>Berries are</i>

8) Janelle Marie Baker, June 1-7, 2014, 14th, Bhutan, Using Traditional Knowledge to Adapt to Wild Food Contamination in Canada's Oil Sands, Film, Congress of the International Society of Ethnobiology, Regenerating Biocultural Ecosystem Resilience, Funded by Darrell
 9) Janelle Marie Baker with members of the Fort McKay Berry Focus Group, May 11-14, 2014, Cherokee, North Carolina, Tasting and Testing: Addressing Aboriginal Concepts of Berry Contamination in Alberta's Oil Sands Region, Society of Ethnobiology 37th Annual
 10) Society of Ethnobiology 36th Annual Conference, Climate Change and Ethnobiology, Denton, Texas, May 15-16, 2013. Poster: *Eating Berries Near the Oilsands: Fort McKay's Observations on Quality and Quantity of Berries in their Traditional Territory*. With the Fort McKay

Stakeholder Presentation

Required Format: Presenter, Date, Location, Title, Platform or Poster, Name of Meeting

- 1)
- 2)
- 3)
- 4)
- 5)

Key Engagement/Participation Meeting

Required Format: Meeting Host, Date, Location

- 1) WBEA/GOA, March 21 2016 , Fort McMurray
- 2)
- 3)
- 4)
- 5)

Human Resources / Staffing Plan (roles and responsibilities)

Name & Role	Organization	Responsibilities
Dianne McIsaac	WBEA	Project coordination
Janelle Baker	Little Seed Consulting	Ethnographic research and report writing
Tracy Howlett	AEP - EMSD	Project coordination
Bori Aborro	Fort McKay First Nation	Project coordination
Ryan Abel	Fort McKay First Nation	Project coordination
Cody David	WBEA	Lead field technician
Sanjay Prasad	WBEA	Executive Director
Peter Fortna	Willow Springs	Traditional Knowledge Committee Chair

AEP ONLY: Additional Human Resources Required from EMSD

Name & Role	Branch - Section	Estimated time (% of annual FTE)
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Financial Details and Budget Request

Source of Funding Requested Year 1 - 2018/19

	AEP ONLY: EMSD	OSM
Salaries and Benefits - AEP Chargeback		
Salaries and Benefits - New OSM Staff		
Operations and Maintenance		
Consumable materials and supplies		
Conferences and meetings travel		
Field work travel		
Project-related travel		
Engagement		
Reporting		
External Contracts - Organization/Vendor/Suppliers		158868
Overhead		
Grants		
Capital		
Total budget request for the year	0	158868
Total budget approved		

Source of Funding Requested Year 2 - 2019/20

	AEP ONLY: EMSD	OSM
Salaries and Benefits - AEP Chargeback		0
Salaries and Benefits - New OSM Staff		0
Operations and Maintenance		
Consumable materials and supplies		
Conferences and meetings travel		
Field work travel		
Project-related travel		
Engagement		
Reporting		

External Contracts - Organization/Vendor/Suppliers		158868
Overhead		
Grants		
Capital		
Total budget request for the year	0	158868
Total budget approved		

Source of Funding Requested Year 3 - 2020/21		
	AEP ONLY: EMSD	OSM
Salaries and Benefits - AEP Chargeback		0
Salaries and Benefits - New OSM Staff		0
Operations and Maintenance		
Consumable materials and supplies		
Conferences and meetings travel		
Field work travel		
Project-related travel		
Engagement		
Reporting		
External Contracts - Organization/Vendor/Suppliers		158868
Overhead		
Grants		
Capital		
Total budget request for the year	0	158868
Total budget approved		

Source of Funding Requested Year 4 - 2021/22		
	AEP ONLY: EMSD	OSM
Salaries and Benefits - AEP Chargeback		0
Salaries and Benefits - New OSM Staff		0
Operations and Maintenance		
Consumable materials and supplies		
Conferences and meetings travel		
Field work travel		
Project-related travel		
Engagement		
Reporting		
External Contracts - Organization/Vendor/Suppliers		158868
Overhead		
Grants		
Capital		
Total budget request for the year	0	158868
Total budget approved		

Budget Request for the Entire Project	0	635,472
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Project Approval(s)

Proposal Submitted by

Surname	Given Name	Organization
Howlett	Tracy	EMSD

Signature	Date
Tracy Howlett	12/1/2018

Proposal for OSM Reviewed by

EMSD Executive Director	Signature	Date
Gleb Raygorodetsky		12/2/2018

AEP Administrator/Coordinator - Review	Signature	Date

ECCC Administrator/Coordinator - Review	Signature	Date

OSM Project Approved by

AEP Co-Lead for OSM	Signature	Date

ECCC Co-Lead for OSM	Signature	Date

AEP ONLY: Proposal for EMSD Reviewed by

EMSD Director	Signature	Date

AEP ONLY: EMSD Project Approved by		
EMSD Executive Director	Signature	Date
EMSD Chief Scientist	Signature	Date
OSM / EMSD Project Has Not Been Approved		
Project Status	Date Notified	Date Required
The project is conditionally approved. The following conditions are required before approval is granted.		
List the Condition(s)		
Condition(s) Addressed / Approval Granted		
Choose one		
OSM / EMSD Approval Post Removal of Condition(s)		
Name & Title	Signature	Date