



Lakeland Industry and Community Association

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Integrated Watershed Management Plan Committee Meeting Minutes

Wednesday, December 9, 2020 – 9:00 a.m. – 12:00 p.m.

Microsoft Teams

Present:	Jason Quinney (via teleconference) Delano Tolley Robert Machatis (via teleconference) Amanda Avery-Bibo (via teleconference) Roxane Bretzlaff (via teleconference) Abdi Siad-Omar (via teleconference, left at 11:10 a.m.) Kellie Nichiporik (via teleconference) Mitch Sylvestre (via teleconference) Madison Arsenault (via teleconference) Clem Parenteau Monty Moore (via teleconference) Richard Bourgeois (via teleconference) Randi Dupras (via teleconference)
Observers and Guests:	Fin McDermid (via teleconference) Rosey Radmanovich (via teleconference) Sandi Riemersma, Palliser Environmental Services Ltd. (via teleconference)
Staff:	Kristina Martel, LICA Executive Director Tricia Fleming, Environmental Coordinator Tina Martin, LICA Administrative Professional Rachel Bates, Education & Outreach Coordinator
Regrets:	Richard Pearce Shelby Kennedy Maureen Delorme-Ouellette Katherine Currie Dylan Landstrom Annette Hobart Bob Buckle Karlyn Degenhardt Al Bertschi Shana Langley

1.0 CALL TO ORDER

Jason Quinney, Committee Chairperson, called the meeting to order at 9:24 a.m.

1.1 Introductions

During introductions, members were asked what they hope to accomplish through the IWMP planning process? Responses are listed below:

- Develop a viable plan.
- Encourage continuous water monitoring efforts.
- Address concerns about water in local areas
- Develop a greater public understanding of the watershed.
- Support healthy ecosystems.
- Encourage community involvement in maintaining a healthy and sustainable watershed.
- Implement a comprehensive engagement plan.
- Develop a collaborative plan that is accepted, supported, and implemented.

1.2 Vision, Mission and Values

1.3 Approval of Agenda

#1 Moved by Robert Machatis AND CARRIED that the December 9, 2020 Agenda be approved as amended:

- The addition of item 4.0 Action List

1.4 Approval of Minutes

1.4.1 July 8, 2020 IWMP Minutes - Draft

It was noted that an observer at the July 8, 2020 Committee Meeting had made a motion. In accordance with policy, observers do not have authorization to vote on decisions. The Executive Director requested that a committee member present during the July 8, 2020, meeting volunteer record themselves as making the motion, given that consensus was achieved on the subject.

#2 Moved by Roxane Bretzlaff AND CARRIED that the July 8, 2020 Minutes be approved as amended:

- Correct Motion #3 to be moved by Roxane Bretzlaff in place of Fin McDermid.

2.0. INTRODUCTION & POLICY REVIEW

2.1 Committee Terms of Reference Review

The Committee reviewed the IWMP Terms of Reference document. The attached changes were recommended.

#3 Moved by Delano Tolley AND CARRIED that the attached changes to the IWMP Terms of Reference be forwarded to the Board of Directors for approval.

2.2 Policy Review

2.2.1 Policy 1.5 Decision-Making Process

The Committee members reviewed Policy 1.5 *Decision-Making Process*.

2.2.2 Policy 1.14 Confidentiality

The Committee members reviewed Policy 1.14 *Confidentiality* and were requested to sign and return the form to the LICA office.

2.2.3 Policy 1.13 Volunteer Hours

The Committee members reviewed Policy 1.13 *Volunteer Hours*.

2.2.4 Policy 2.8 Board and Committee Expenses and Remuneration

The Committee members reviewed Policy 2.8 *Board and Committee Expenses and Remuneration*.

2.2.4.1 Expense Claim Form

The Committee members reviewed the LICA Expense Claim Form.

2.2.4.2 Direct Deposit Option

The Committee members were given the option to complete the Direct Deposit form noting that a VOID cheque will be required to accompany the form.

2.2.5 Committee Member Sign-on

The Committee members were requested to complete the Board and Committee Sign-on sheet for retention by the Executive Director.

3.0 ONGOING BUSINESS

3.1 Presentation: Draft Beaver River IWMP Terms of Reference

Palliser Environmental provided a presentation on the history and future of LICA's Integrated Watershed Management Planning (IWMP) efforts. A comprehensive list of the objectives and outcomes, the communication and engagement strategy, and the planning schedule of the IWMP were also reviewed.

The presentation is attached for reference.

3.1.1 Review Purpose, Intent, Planning Context and Scope

Palliser Environmental recommends that letters of support or signatories are sought for the implementation of this plan.

Robert Machatis noted the importance of having ongoing discussions with First Nations and Métis Elders, Council Members, and decision-makers during the planning process. This includes but is not limited to engagement sessions and seeking support and/or signatures on the IWMP document.

3.1.2 Review Issues, Goals, and Objectives

The IWMP's intent is to address surface and groundwater concerns regarding quantity and quality, riparian areas and wetlands, biodiversity, and land management. Some concern was expressed on the overlap with larger, more regional plans (e.g., the Lower Athabasca Regional Plan), but in Palliser's experience these smaller plans are more effective.

3.1.3 Review Engagement Strategy

Further discussion at the meeting was tabled.

3.1.4 Review Work Plan & Schedule

Further discussion at the meeting was tabled.

3.1.5 Discussion: Draft Terms of Reference

Further discussion at the meeting was tabled.

4.0 ACTION LIST

4.1 Follow-up on Action List

4.1.1 July 8, 2020 Meeting

The IWMP Committee reviewed the action list from the July 8, 2020, IWMP Meeting. The forums are to be removed, as COVID-19 restrictions have moved them to virtual events, and an updated timeline on the survey has been moved to Winter 2021.

5.0 UPCOMING MEETING DATES

5.1 Board Meeting – December 17, 2020

5.2 Next Meeting – TBD

5.0 ADJOURNMENT

Meeting adjourned at 12:01 p.m.

#4 Moved by Clem Parenteau AND CARRIED that the meeting be adjourned.

Approved on: _____
Date

Signature

LICA

Lakeland Industry and Community Association

Integrated Watershed Management Plan Committee (IWMPC) Terms of Reference

The Lakeland Industry and Community Association (LICA) formed an Integrated Watershed Management Plan Committee (IWMPC) to assist in the development and oversight of LICA's Integrated Watershed Management Plan (IWMP). The IWMPC is a standing committee of LICA which shall report its activities and requests to the Board for approval. The IWMPC is supported by representation from industry, government, indigenous communities, youth, 4 Wing Cold Lake, and the public, which allows for a diverse insight and support when it comes to priorities in the Beaver River Watershed.

1.0 Purpose

- 1.1 To support the LICA Board's Vision and Mission.
- 1.2 To operate within LICA Board approved work plans and budget and be accountable to the LICA Board of Directors regarding oversight of the implementation, operation, reporting, and management of the IWMP.
- 1.3 To act on behalf of the stakeholders they represent and to bring that perspective to the IWMP.
- 1.4 To make recommendations related to messaging surrounding watershed issues, goals, objectives, targets, implementation, and other items to the IWMP.
- 1.5 Deliver relevant, accurate, reliable, and credible data and information that addresses stakeholder needs and priorities.
- 1.6 To act on behalf of the Board to represent stakeholders of the Beaver River watershed. Provide insight into environmental program needs, regional monitoring priorities, and concerns.
- 1.7 To ensure the dissemination of comprehensive information in and for the IWMP.
- 1.8 To support the implementation of recommendations from environmental management plans such as the Lower Athabasca Regional Plan (LARP), the 2006 Cold Lake Beaver River Water Management Plan and other local land and water management plans.

2.0 Operating Principles

- 2.1 The IWMPC will follow LICA's Vision and Mission and will operate within LICA's policies in support of the Strategic Plan.
- 2.2 The IWMPC will meet quarterly at a minimum.
- 2.3 The IWMPC will report to the Board, and when needed, be responsible for facilitating Board discussion regarding their recommendations.
- 2.4 The IWMPC will ensure that the IWMP effectively addresses stakeholder needs through regular evaluation of stakeholders' objectives related to LICA.
- 2.5 Members will actively participate and contribute to regular meetings and the group's work.
- 2.6 Members will communicate with employers, organizations, and stakeholders they represent about IWMPC's objectives, priorities, and accomplishments, as well as any issues that may need to be resolved.

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- 2.7 Meetings will be documented with summary notes, decision records and action logs to be issued within a reasonable time for review by the IWMPC prior to the final issue. These will be made available to all IWMPC members as part of the review process.
- 2.8 The IWMPC will strive for consensus recommendations and decisions. If it becomes clear that the IWMPC cannot make a consensus recommendation, the recommendation of the majority and the non-consensus position(s) will be presented for the Board to decide.
- 2.9 Ad-hoc focused task groups may be formed to review specific issues such as monitoring plans, special targets, watershed concerns, and contractor selection, and advise the IWMPC on a path forward.
- 2.10 Outside expertise may be invited to contribute as required as directed by the Technical Staff.

3.0 Membership

The membership of the IWMPC is made up of the Environmental Coordinator, Executive Director, Education & Outreach Coordinator, core members, and resource members. Core members are selected by the sectors that they represent or appointed by the LICA Board. Resource members are subject matter experts and LICA staff that may be included by invitation of the Environmental Coordinator or Executive Director.

- 3.1 The IWMPC chair will be a Board Director appointed by the Board and must be present at all committee meetings.
- 3.2 The Chair of the Board may attend as ex-officio.
- 3.3 Community members may be appointed by the Board and shall be eligible for remuneration and expenses according to LICA policy.
- 3.4 The Board may request additional members from among Industry, Government, and Non-Government organizations to be appointed from their respective sectors and may be eligible for remuneration and expenses according to LICA policy.
- 3.5 The core membership will be Board approved.
- 3.6 Core Membership
 - 3.6.1 Alberta Environment and Parks (AEP) – Sector nominated
 - 3.6.2 Alberta Energy Regulator (AER) – Sector nominated
 - 3.6.3 Industry, Oil & Gas – Sector nominated
 - 3.6.4 Agriculture - Sector nominated
 - 3.6.5 LICA Board Directors- Board appointed
 - 3.6.6 Indigenous Communities – Sector nominated
 - 3.6.7 Environmental Organizations & Special Interest Groups - Sector nominated
 - 3.6.8 Municipal Governments - Sector nominated
 - 3.6.9 Community Members - Sector nominated
 - 3.6.10 Scientific and Academic Organizations & Institutions - Sector nominated
 - 3.6.11 Youth
 - 3.6.12 Canadian Forces Base - 4 Wing Cold Lake

4.0 Meetings

- 4.1 Committee meetings will comply with Policy 1.6 Board and Committee Meetings. Please contact the LICA office at lica2@lica.ca for up-to-date policies.

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5.0 Roles and Responsibilities of the IWMPC and its Members

5.1 General IWMPC Members

- 5.1.1 Actively participate in meetings and provide technical knowledge and support.
- 5.1.2 Understand and represent the interests and regulatory requirements (if applicable) of the group they represent.
- 5.1.3 Develop key watershed concerns, priorities, goals, recommendations, targets and implementation.
- 5.1.4 Assess material and make recommendations as required regarding the development of the IWMP.
- 5.1.5 Provide support for planning future phases of the IWMP.
- 5.1.6 Keep the development of the IWMP in alignment with LICA's Strategic Plan and budget.
- 5.1.7 Ensure that the work is being conducted in a transparent manner.
- 5.1.8 Engage other expertise as needed.
- 5.1.9 Form ad hoc groups as needed to work on specific projects related to the IWMP.

5.2 Roles in Addition to General IWMPC Member Roles

5.2.1 Environmental Coordinator

- 5.2.1.1 Act as IWMP Vice-Chair to convene meetings and prepare agendas.
- 5.2.1.2 Report to the LICA Board as a representative of the IWMP.
- 5.2.1.3 Lead ad hoc groups as required.
- 5.2.1.4 Develop annual work plans and budgets for Board approval.
- 5.2.1.5 Oversee operations and maintenance of environmental programs, including the following:
- 5.2.1.6 Establish key performance indicators used to monitor the performance of third-party contractors based on best practices.
- 5.2.1.7 Monitor the performance of third-party contractors and report to the Board.
- 5.2.1.8 Report issues of non-compliance to the Board immediately for corrective action or direction based on recommendations from the IWMP.
- 5.2.1.9 Review the development of the IWMP to ensure the progress of the IWMP is being met with the standards of the provincial government; update the progress plan as required.
- 5.2.1.10 Stay informed of changes in land and water management as directed by the federal or provincial governments.
- 5.2.1.11 Ensure the environmental programs operate cost-effectively and within budget.
- 5.2.1.12 Develop, coordinate, and deliver community and stakeholder forums throughout the watershed.

5.2.2 Executive Director

- 5.2.2.1 Advise the IWMPC on LICA policies as required.
- 5.2.2.2 Act as a liaison between other LICA committees and the IWMPC.
- 5.2.2.3 Maintain collaborative relationships with stakeholders.

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- 5.2.3 Education & Outreach Coordinator
 - 5.2.3.1 Advise the IWMP on best practices to engage with the public for input on the IWMP.
 - 5.2.3.2 Assist in coordinating and delivering outreach activities to engage the public, such as forums.
 - 5.2.3.3 Promote the development and progress of the IWMP to the public and disseminate materials as they become available.

- 5.2.4 Board Director
 - 5.2.4.1 Act as a liaison between the LICA Board and IWMP.

- 5.2.5 Indigenous Representative(s)
 - 5.2.5.1 Ensure Traditional Environmental Knowledge is recognized and integrated into the IWMP.
 - 5.2.5.2 Provide information about cultural protocols and assistance with appropriate community engagement

- 5.2.6 AEP and AER Representative(s)
 - 5.2.6.1 Provide advice and technical input regarding the operations and design of the IWMP.
 - 5.2.6.2 Provide a link to other Government of Alberta and Regulatory staff and resources.
 - 5.2.6.3 Act as a liaison regarding regulatory requirements, policy development, and approvals.

- 5.2.7 Scientific and Academic Organization & Institution(s)
 - 5.2.7.1 Provide advice and technical input regarding the operations and design of the IWMP.

- 5.2.8 Third-Party Contractor(s)
 - 5.2.8.1 Perform duties according to approved standards and protocols as per their current contracts.

6.0 Evaluation

- 6.1 The IWMP shall review its Terms of Reference annually.

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Lakeland Industry and Community Association
**Beaver River Integrated
Watershed Management Plan**



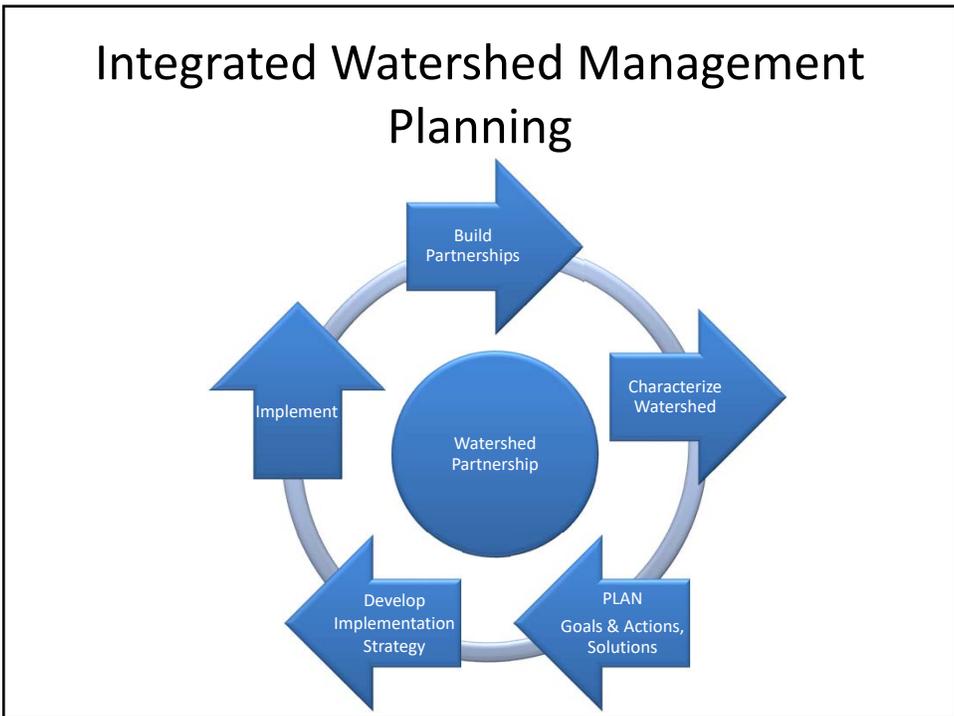
Presented by: Sandi Riemersma, PESL

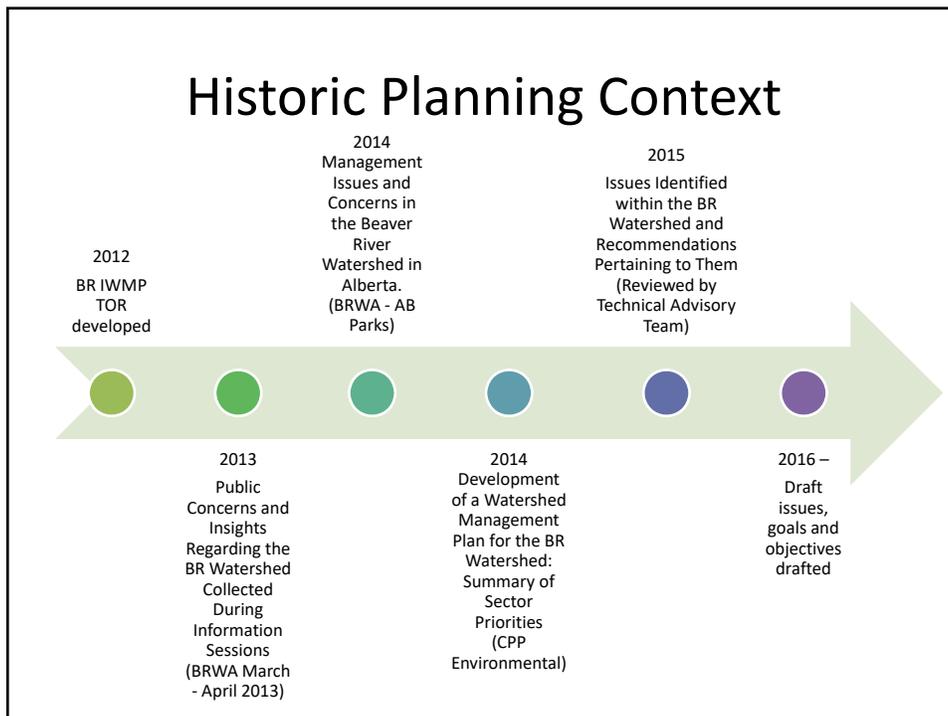
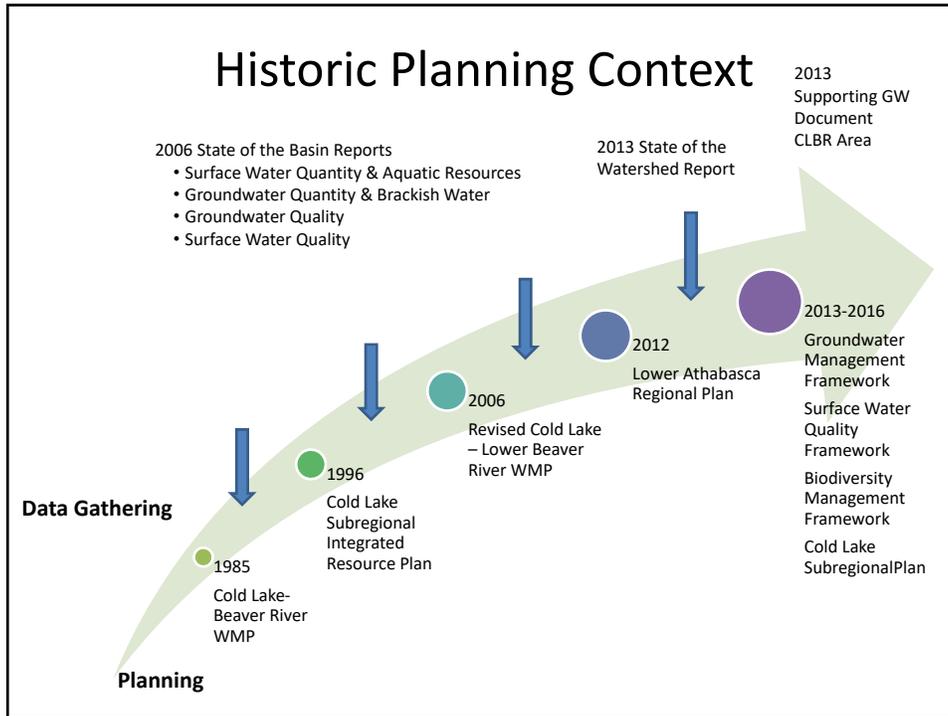
On behalf of LICA
December 9, 2020



Overview

- Background
- Beaver River IWMP Terms of Reference (2020)
 - Purpose, intent and authority
 - Legislative policy and planning context
 - IWMP scope and limitations
 - Geographic scope
 - Watershed issues
 - Goals, objectives and outcomes
 - Other elements of the Plan
 - Communication and Engagement Strategy
 - Roles and Responsibilities
 - Review and amendment
 - Schedule
- Questions
- Break
- Discussion





Need for a New Plan

- Healthy watersheds are important to support all life
- The 2006 Cold Lake-Beaver River Water Management Plan (CLBR WMP)
 - Is an authorized water management plan under the *Alberta Water Act*
 - Pre-dates important legislative changes that affect watershed management
 - Excludes parts of the greater Beaver River watershed (i.e., the headwaters)



Beaver River IWMP Terms of Reference

- Agreed upon terms identified early in the planning process to
 - Create common understanding
 - Guide the development of the plan
 - Manage expectations



Purpose, Intent and Authority

- The Beaver River IWMP
 - Provides broad guidance for watershed management
 - Identifies consistent, specific actions for integrated management of land and water resources
- The IWMP will not replace the 2006 CLBR WMP but complement it with aspects not previously considered
- Not legally binding, but value in collaborative planning to achieve common goals
- To maximize opportunities for successful implementation, the IWMP should be supported by all stakeholders, First Nations and Métis
 - Recommendations should be incorporated in future planning documents and updates of existing plans that have legal/regulatory authority, where possible

Legislative Policy and Planning Context

- Guided by:
 - The Framework for Water Management Planning (1999)
 - The Guide to Watershed Planning in Alberta (Alberta Government 2015)
 - *Water for Life Strategy* (2003; renewed in 2008)
- The IWMP will
 - Be developed within the context of existing federal, provincial and municipal legislation, policies and regional plans
 - Acknowledge and adhere to the commitments outlined in the inter-provincial Master Agreement on Apportionment (1969) as administered by the Prairie Provinces Water Board
 - Consider, but not replace, the existing CLBR WMP 2006



IWMP Scope

- The Beaver River IWMP will include:
 - A summary of issues, goals and objectives
 - Indicators, targets and thresholds
 - Roles and responsibilities
 - Recommendations
 - An implementation strategy
- The IWMP will:
 - Include the entire Beaver River watershed
 - Improve municipal influence by providing recommendations related to municipal development planning
 - Address wildlife and fisheries management
 - Broaden the focus from a specific sector (oil/gas thermal operations) to an integrated watershed approach
 - Provide specific recommendations with more implementation detail, as opposed to general recommendations that are not easily implemented

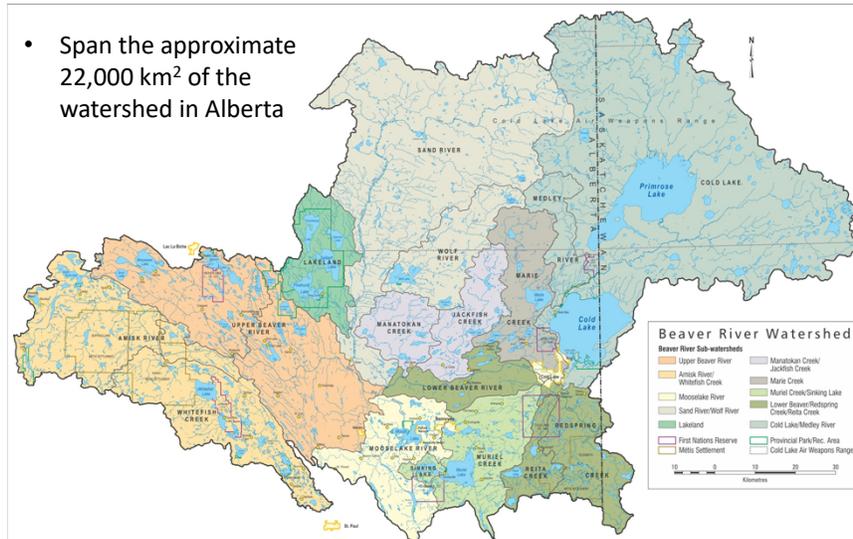


Limitations

- The IWMP will not:
 - Gather new information to fill data gaps
 - Formulate legislation, policy, or regulations
 - Address air quality unless it relates to a watershed issue
 - Consider the Saskatchewan portion of the watershed

Geographic Scope

- Span the approximate 22,000 km² of the watershed in Alberta



Watershed Issues

- Historic Context
 - Engagement Sessions (2013-2015)
 - Technical Advisory Team assessment of research and engagement results (2015-16)
- Bibliography of relevant work in the watershed (TOR Section 10)



PESL

Surface Water

Quantity

- Fluctuating water levels (lakes and wetlands) and streamflows caused by climate variability (e.g., temperature, evaporation, and precipitation) and climate change that can:
 - Impact water availability for municipal water supplies and agricultural uses
 - Increase risk of flooding
 - Impact recreation activity
 - Alter aquatic, riparian and upland habitat
 - Alter land use (e.g., cultivation, development) around wetlands and ephemeral streams (watercourses that flow briefly in direct response to rainfall or snowmelt (USEPA 2015)).
- Surface water withdrawals
- Altered drainage patterns and/or discharges of treated effluent, and stormwater.



MD of Bonnyville

Surface Water

Quality

- Water quality in lakes and streams does not meet desired end uses in some areas due to soil type and geology, climate variability affecting water level and streamflow, and/or an influx of point and non-point source pollution from adjacent lands (e.g., nutrients, sediment, bacteria).



Groundwater

Quantity

- Uncertainty regarding groundwater quantity resulting from variable climatic conditions and withdrawals for human and industrial use.
- Limited understanding of the impact that groundwater withdrawals have on aquifer dynamics (e.g., shallow/deep aquifer interactions) and on lake water levels and streamflows (i.e., groundwater-surface water interactions).

Groundwater

Quality

- Human health concerns related to naturally occurring and/or thermally mobilized trace metals (i.e., arsenic) and **uranium phenols** in concentrations above drinking water guidelines.
- Groundwater quality concerns related to land use, including potential contamination from improperly abandoned water wells, landfills, agricultural activity, septic fields and, oil and gas activity (casing failures).



Riparian Areas and Wetlands

- Loss of wetland and riparian areas and their respective functions:
 - Water storage (absorptive capacity, flood control) and water balance in lakes/streams
 - Groundwater recharge
 - Water quality (retention of nutrients, suspended sediment, soil and associated contaminants)
 - Biodiversity
 - Economy (recreation, carbon sequestration, stormwater treatment)

LICA

Biodiversity

- Fragmented and poor-quality habitat, due to increased road density, access, recreational activity, industrial activity (e.g., pipelines, well-sites, mining) and other developments.
- Decreasing abundance and/or size of certain fish species and other wildlife in the watershed due to fluctuating water levels, streamflows and changes to water quality.
- Potential threat of terrestrial and aquatic invasive species (e.g., quagga mussel, Himalayan Balsam) in and adjacent to waterbodies in the watershed.

Land Management

- Cumulative impact of development and industry on water resources, ecosystem and landscape function (including riparian areas and wetlands), and biodiversity.
 - Development: Includes urban and recreation developments.
 - Industry: Generally refers to oil and gas, forestry, agriculture, and sand and gravel extraction, among others



Climate Change

- Impacts of climate change as it relates to water availability and quality, increased risk of drought, fire and floods, pest management (e.g., forest insects and diseases), altered landscapes and risks to fish, wildlife, and vegetation.



Knowledge and Understanding

- Gaps in knowledge and understanding of natural conditions and anthropogenic (human caused) impacts on watershed function.

Goal

Collaborative management of land and water resources that results in a healthy Beaver River watershed.



Objectives and Outcomes

Component	Objectives	Outcome
Water Quantity	<ol style="list-style-type: none"> 1. Review existing Water Conservation Objectives in the original Cold Lake Beaver River Water Management Plan (CLBR WMP 2006) 2. Review the need to establish Water Conservation Objectives for streams and lakes outside of the original CLBR WMP planning area. 3. Recommend strategies that encourage water conservation. 4. Understand the status of current groundwater initiatives and recommend strategies to better manage the resource. 	Secure, reliable water supplies are available for all desired uses (i.e., environmental, municipal, agricultural, industrial and recreational).
Water Quality	<ol style="list-style-type: none"> 1. Establish Water Quality Objectives (WQOs) for the Beaver River and its major tributaries, the Sand, Amisk and Moose Lake rivers that are compatible with the Surface Water Quality Management Framework. 2. Establish WQOs for major recreational lakes. 3. Identify stormwater management targets and Low Impact Development strategies to minimize development impacts to water quality (and quantity). 4. Identify appropriate land use, management and stewardship strategies to maintain and/or improve water quality. 	Surface water and groundwater quality is protected from contamination and maintained within the range of natural variability.

Objectives and Outcomes

Component	Objectives	Outcome
Riparian Areas and Wetlands	<ol style="list-style-type: none"> 1. Establish riparian setbacks and management objectives/targets that are applied consistently throughout the watershed. 2. Recommend actions that contribute to healthy riparian areas and wetlands. 	Healthy riparian areas and wetlands contribute to watershed resiliency with respect to flood and drought, quality water, and critical habitat.
Biodiversity	<ol style="list-style-type: none"> 1. Identify linear features and other anthropogenic footprint targets and thresholds to maintain quality aquatic and terrestrial habitat. 2. Recommend appropriate actions to address the risk associated with invasive species. 	Self-sustaining populations of fish, wildlife and vegetation thrive in the watershed, supported by connected areas of quality habitat, which are diverse in size, structure and composition. These populations, in turn, provide for a traditional way of life.

Objectives and Outcomes

Component	Objectives	Outcome
Land Management	1. Recommend appropriate water and land management strategies to maintain and/or improve health.	Negative impacts of industry and development on land and water resources are minimized and mitigated. Land management practices that maintain and/or improve ecosystem health are promoted.
Climate Change	1. Recommend actions for inclusion in climate change adaptation strategies and plans (i.e. governments, industrial companies, organizations).	Climate change is recognized and considered in decision making and planning processes.
Knowledge and Understanding	1. Assess and prioritize knowledge gaps in the Beaver River watershed, particularly within the western, headwaters area. 2. Recommend outreach materials and other tools to disseminate local and Indigenous Traditional Knowledge, social science, and scientific research on naturally occurring and anthropogenic indicators of watershed health (e.g., water resources, human health)	Balanced, local and Indigenous Traditional Knowledge, social science and scientific research are collected and reported (see Objective 2)



Other Elements of the IWMP

- Indicators, Targets and Thresholds
- Recommendations
- Implementation Strategy

Measuring Success

- The IWMP will be successful when:
 - It is fully implemented through the collaboration of all stakeholders.
 - Targets and thresholds are achieved and/or measurable improvements are observed for established indicators.



Communication and Engagement Strategy



Watershed stakeholders, First Nations and Métis participate in the development of the Beaver River IWMP to ensure the long-term viability of the plan.

Communication and Engagement Strategy

Objectives

- Involve stakeholders, First Nations and Métis in the IWMP development process
- Share information about the IWMP, watershed, and progress related to IWMP development
- Identify and gather existing technical and scientific material to support the development of the IWMP, and address questions and concerns
- Facilitate and establish a common public understanding of the state of the watershed and associated issues
- Obtain input at key stages in the development of the IWMP; consider this information alongside best scientific information and Indigenous Traditional Knowledge to develop credible recommendations for resource management
- Promote communication to maximize collaboration and effective stewardship of the watershed

Communication and Engagement Strategy

- Engagement at four key stages:
 - Draft Beaver River IWMP Terms of Reference (Intent, Scope, Current Watershed Condition and Description of Issues, Goals and Objectives, Roles and Responsibilities, Work Plan and Schedule)
 - Draft I Beaver River IWMP – Indicators, Targets and Thresholds, Preliminary Recommendations
 - Draft II Beaver River IWMP Recommendations and Implementation Strategy
 - Presentation of the final IWMP and next steps
- Additional meetings held when needed



Communication and Engagement Strategy

Engagement Session Participation

Stakeholder groups

1. General public
2. Industry – Oil and gas, agriculture, sand and gravel
3. Local municipal governments - staff, appointed Council members
4. Provincial and Federal government agencies
5. Provincial/Regional Associations, NGOs and Academia
6. Youth

First Nations

1. Beaver Lake Cree Nation
2. Cold Lake First Nations
3. Kehewin Cree Nation
4. Whitefish First Nations

Métis

1. Buffalo Lake Métis Settlement
2. Elizabeth Métis Settlement
3. Fishing Lake Métis Settlement
4. Kikino Metis Settlement
5. Métis Nations of Alberta, Region 1 and 2

LICA

Communication and Engagement Strategy

- Gathering Input
 - Engagement session feedback
 - Online surveys
 - Email
- Feedback summarized and reviewed with the IWMP Committee
- Feedback summary document posted on LICA website

Communication and Engagement Strategy

Schedule	Engagement Session at Key Stages	Purpose
February-April 2021	1. Draft Beaver River IWMP Terms of Reference	<ul style="list-style-type: none"> Review intent and scope of the Beaver River IWMP Review and confirm watershed condition, key issues and opportunities for watershed management Review and confirm goals and objectives Review roles and responsibilities Review work plan and schedule Seek input into availability of data, technical reports, research in the watershed relevant to the main IWMP objectives
Sep-October 2021	2: Draft I Beaver River IWMP – Indicators, Targets and Thresholds, Early Recommendations	<ul style="list-style-type: none"> Review “What we Heard: Session I Review and confirm draft indicators, targets and thresholds Review and discuss preliminary recommendations
February-March 2022	3. Draft II Beaver River IWMP Recommendations and Implementation Strategy	<ul style="list-style-type: none"> Review “What we Heard: Session II Review, discuss and refine recommendations and implementation strategy
September 2022	4. Final Beaver River IWMP Presentation	<ul style="list-style-type: none"> Presentation of the Final Beaver River IWMP and summary of next steps

Roles and Responsibilities

- Watershed management planning and implementation of recommendations is a shared responsibility
- Requires the collaboration of multiple levels of government, various industries (e.g., agriculture, oil and gas), non-government organizations, landowners, leaseholders, and residents in the watershed.

Review and Amendment

- Beaver River IWMP will be complete in 2022
- Progress on its implementation should be tracked and reviewed annually
- The plan should be reviewed in 2025, and every five years after
 - to ensure it is still relevant and addressing priority issues



Beaver River IWMP Schedule

Phase	Task	2020												2021											
		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Terms of Reference (TOR)	IWMPC Meeting #1																								
	Review draft Beaver River IWMP Terms of Reference																								
	IWMPC Meeting #2																								
	Review engagement strategy and survey to stakeholders																								
	Circulate engagement notice, draft TOR – summary document, and survey to stakeholders																								
	Engagement Session 1																								
	Consider engagement input; Revise TOR based on feedback																								
DRAFT I IWMP	IWMPC Meeting #3																								
	Finalize TOR, Review approach to Draft I IWMP: indicators and preliminary recommendations																								
	Collect, review and organize relevant data. Identify data gaps to support recommendations. Establish indicators. (Ongoing)																								
	Interpret, analyze and synthesize findings. Establish Indicators, Targets and Thresholds; Leading recommendations																								
	Circulate Draft I IWMP to IWMPC																								
	IWMPC Meeting #4																								
	Review Draft I IWMP																								
	Consider IWMPC input; Revise Draft I IWMP																								
	Circulate materials for engagement, including Draft I IWMP and survey																								
	Engagement Session 2:																								
Review Draft I IWMP																									
Consider engagement input; Revise Draft I IWMP																									
DRAFT II IWMP	Circulate Draft II IWMP to IWMPC																								
	IWMPC Meeting #5																								
	Debrief engagement, Review Draft II IWMP																								

Beaver River IWMP Schedule

Phase	Task	2022											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Draft II IWMP	Circulate Draft II IWMP for engagement												
	Engagement Session 3: Review Draft II IWMP												
	Consider engagement input; Revise Draft II IWMP												
	Circulate final draft IWMP to IWMPCC												
Final IWMP	IWMPCC Meeting #6 Review Final draft IWMP; discuss next steps												
	Finalize IWMP and seek support; Develop summary documents and communications												
	Final Beaver River IWMP is available to partners, stakeholders and public on website.												

Questions?



- Break
 - Visit www.menti.com and use code 24 36 58 7 to complete two survey questions
- Discussion
 - Focus on Section 3 and Section 5

Next Steps

- Prepare for Engagement Session 1 – February-April 2021
 - Final draft Terms of Reference
 - Terms of Reference Summary document
 - Survey
- IWMP Committee Meeting – January 2021