

NOTE: AEP Core funding will be used for wages and resources so that MPWA staff can operate and manage these projects. Funding for the project themselves is from other sources including the Watershed Resiliency and Restoration Program, ECCC HSF, ECCC EcoAction, GoA, Stakeholders and Partners

MPWA works as a convener in the watershed to foster collaboration by bringing together partners to assess and report on watershed conditions, provide education to the public and stakeholders as well as develop place-based plans and policy recommendations. Some of the partners for the projects outlined below include: Agroforestry Woodlot Extension Society, Alberta Conservation Association, Alberta Agriculture and Forestry, Alberta Environment and Parks, Alberta Lake Management Society, Alberta Wilderness Association, Arc Resources, Aquatera Utilities Inc., City of Grande Prairie, Clear Hills County, County of Grande Prairie, County of Northern Lights, Cows and Fish, Ducks Unlimited, Evergreen Learning and Innovation Society, Grimshaw Gravels Aquifer Management Advisory Association, International Paper, Junior Forest Wardens, Landowners, Little Red River Cree Nation, Mackenzie Applied Research Association, Mackenzie County, MD of Fairview, MD of Greenview, MD of Peace, Mountain Metis Nation Association, Northwestern Polytechnic, Organic Alberta, Parks Canada, Town of Beaverlodge, Town of Grimshaw, Trout Unlimited, Village of Berwyn, West County Watershed Society, Weyerhaeuser Grande Prairie.

New projects are assessed based on their alignment with MPWA's strategic plan, the Integrated Watershed Management Plan, watershed concerns brought to MPWA (including those of Alberta and Environment and Parks), available resources and available funding. Future projects could include restoration projects for streams or wetlands, improving riparian zones/erosion and flood resiliency, water storage and management/drought resiliency, surface water management (flood resiliency and drought resiliency and water quality), source water protection planning and/or implementation, and baseline monitoring to inform watershed management.

MPWA Priority	Project Name	Project Status	Anticipated Achievements	Deliverables to AEP for 2023-24	Rationale	Strategic Plan Alignment
Priority 1 - Ongoing	Redwillow Watershed Restoration Project – Monitoring {MPWA lead}	Year 4 of Monitoring complete. (Year 4 of 5). Anticipated ongoing monitoring based upon resources through 2027	<ul style="list-style-type: none"> <li>Monitoring of fish passage structural integrity and conditions conducive to fish passage</li> <li>Monitoring of fish habitat and fish presence</li> <li>Both Summer and Winter Monitoring as resources permit.</li> </ul>	1. Annual briefing note (March 2024).	<ul style="list-style-type: none"> <li>Improved water quality and quantity supports the 3 <i>Water for Life</i> goals</li> <li>This sort of collaborative project allows more challenging watershed issues such as restoring fish habitat while maintaining water availability for municipal users</li> <li>Arctic Grayling have been identified as Species of Special Concern by Alberta's Endangered Species Conservation</li> </ul>	5.1, 5.2, 6.1

					<p>Committee. This Restoration Plan begins restoring Arctic Grayling habitat.</p> <ul style="list-style-type: none"> <li>Regional limnologist has indicated the importance of monitoring in the Redwillow Watershed</li> </ul>	
MPWA Priority	Project Name	Project Status	Anticipated Achievements	Deliverables to AEP for 2023-2024	Rationale	Strategic Plan Alignment
Priority 1 - Ongoing	Grimshaw Gravels Aquifer Source Water Protection Plan Implementation {MPWA Lead}	Project Team continues to follow through on implementation. (Year 3 of 5). MPWA intends to continue working with local decision-makers on implementation through 2027.	<ul style="list-style-type: none"> <li>Education and Outreach to Agricultural community</li> <li>Progress on water budget.</li> </ul>	1. GGASWPP Briefing Note (March 2024).	<ul style="list-style-type: none"> <li>Source water protection is a MPWA priority and an AEP priority as identified by the Regional Resource Manager and Senior Planner</li> <li>The Grimshaw Gravel Aquifers are very high quality and vulnerable source of water both for human consumption and other purposes and this is an AEP priority</li> <li>This addresses an important recommendation in the MPWA IWMP and fits well with regional planning priorities</li> </ul>	4.1, 4.2, 5.1, 6.1
MPWA Priority	Project Name	Project Status	Anticipated Achievements	Deliverables to AEP for 2023-2024	Rationale	Strategic Plan Alignment
Priority 1 - Ongoing	Community Based Lake Monitoring (LakeKeepers)	10 different lakes have been sampled either in the summer or	<ul style="list-style-type: none"> <li>A better understanding of community-based monitoring</li> <li>More lake information</li> </ul>	1. Results from monitoring of the lakes (When	<ul style="list-style-type: none"> <li>Watershed managers need good information to make decisions and it is important support</li> </ul>	2.1, 3.1, 3.2, 4.1, 5.1,

	{ALMS lead of Program but MPWA is responsible for volunteer recruitment, training and supply distribution)	winter programs or both. Planning to continue in 2023-2027.	to support management decisions <ul style="list-style-type: none"> <li>• Fostering of watershed stewardship and understanding water resources – Volunteers are being trained and foremost in this monitoring</li> </ul>	<a href="#">available</a> , these will be posted on the Mighty Peace Watershed Alliance website as well as on Alberta Lake Management Society's website and the DataStream portal.	community- based monitoring so that monitoring can be expanded <ul style="list-style-type: none"> <li>• Involving watershed residents in monitoring and distribution of information will strengthen the watershed stewardship ethic</li> <li>• As water quality and quantity are an issue of concern for MPWA stakeholders, this information is a key monitoring project.</li> <li>• Regional Limnologist and Resource Manager indicated their preference for lakes to be monitored</li> </ul>	6.1
MPWA Priority	Project Name	Project Status	Anticipated Achievements	Deliverables to AEP for 2023-2024	Rationale	Strategic Plan Alignment
Priority 1 - Ongoing	Wapiti River Watershed Management Plan/Source Water Protection Plan {MPWA Lead}	Implementation is ongoing and involves engaging decision makers to action recommendations made in the plan.	<ul style="list-style-type: none"> <li>• Terms of Reference</li> <li>• Identify hazards</li> <li>• Undertake risk assessment</li> <li>• Develop mitigative strategies</li> </ul>	1. Briefing note ( <a href="#">March 2024</a> ).	<ul style="list-style-type: none"> <li>• Source water protection is a MPWA priority</li> <li>• The Water Management Plan is complete with a focus on implementation to ensure proactive management of water quality is needed</li> <li>• AEP (Regional Resource Manager and Senior Planner) has identified a Wapiti Watershed</li> </ul>	4.1, 4.2, 5.2

					Management Plan/Source Water Protection Plan as a priority <ul style="list-style-type: none"> <li>Regional AEP has begun basic resource work in this area</li> </ul>	
MPWA Priority	Project Name	Project Status	Anticipated Achievements	Deliverables to AEP for 2023-2024	Rationale	Strategic Plan Alignment
Priority 1 – ongoing	Floating Treatment Wetlands (MPWA lead and resource)	A pilot was run in 2022-23 and a full-scale project will be implemented to improve stormwater quality before it discharges to the Bear River/Wapiti River. It is anticipated that this project will have several deployments through 2027.	<ul style="list-style-type: none"> <li>Plan to scale up to full treatment of at least one stormwater pond</li> </ul>	1. Briefing note (March 2024)	<ul style="list-style-type: none"> <li>Water quality is identified in in the Integrated Watershed Management Plan and the Wapiti Watershed Source Water Protection Plan</li> <li>Resource assistance is being provided by Northwestern Polytechnic and City of Grande Prairie – further lab work is anticipated in the future</li> </ul>	2.1, 3.1, 4.1, 4.2, 5.2, 6.1
MPWA Priority	Project Name	Project Status	Anticipated Achievements	Deliverables to AEP for 2023-2024	Rationale	Strategic Plan Alignment
Priority 2 – Project initiation	State of the Watershed (SoW) update scoping work	MPWA SOW was completed in 2015 with the plan to update in 10 years.	<ul style="list-style-type: none"> <li>Identify areas of work which could be accomplished to assist with updating the SOW. The Board Committees will need to assess the best process</li> </ul>	1. Briefing note (March 2024)	<ul style="list-style-type: none"> <li>Priority identified by AEP MRD</li> <li>Supports the implementation work of IWMP</li> <li>Producing the baseline was key in 2015, so an update is necessary to ensure progress is being</li> </ul>	2.1, 3.1, 3.2, 4.1, 5.1, 5.2

			to update and the resources needed. Unsure if this process will involve a full review at this time. Available staffing will be key to move this forward.		made and stakeholders are addressing their pieces of the puzzle.	
MPWA Priority	Project Name	Project Status	Anticipated Achievements	Deliverables to AEP for 2023-2024	Rationale	Strategic Plan Alignment
Priority 1 – Funding confirmed	Lower Peace Freshwater Contaminant Reduction (MPWA lead with partners from Mackenzie County, Cows & Fish, landowners, Mackenzie Applied Research Association, Organic Alberta etc)	Initiating project Year 1 of 3.	<ul style="list-style-type: none"> <li>• Sign funding agreements</li> <li>• Identify landowners to work with</li> <li>• Awareness campaign</li> </ul>	<ul style="list-style-type: none"> <li>• Briefing note (March 2024)</li> </ul>	<ul style="list-style-type: none"> <li>• Sedimentation and pollutant runoff has been identified as an issue by residents, municipalities and First Nations</li> <li>• Supports ecological needs of the Peace-Athabasca Delta</li> <li>• Water quality and wetlands are IWMP concerns</li> </ul>	2.1, 3.1, 4.1, 5.2, 6.1
MPWA Priority	Project Name	Project Status	Anticipated Achievements	Deliverables to AEP for 2023-2024	Rationale	Strategic Plan Alignment
Priority 1 – Funding confirmed	Reducing invasive species in the Peace-Athabasca	Initiating project. Year 1 of 2.	<ul style="list-style-type: none"> <li>• Sign funding agreements</li> <li>• Host invasive species workshop</li> <li>• Being survey</li> </ul>	<ul style="list-style-type: none"> <li>• Briefing note (March 2024).</li> </ul>	<ul style="list-style-type: none"> <li>• Wetlands are Wetlands loss are an IWMP priority</li> <li>• On the ground project with a First Nation partner</li> </ul>	2.1, 3.2, 5.2, 6.1

	Delta (MPWA lead with partners from Little Red River Cree Nation, Alberta Invasive Species Council, Parks Canada, etc)		work		<ul style="list-style-type: none"> <li>Peace River Flow Regime is another priority and while plant invasives may not be major influence at this time to flow, the quality of water and ecological needs of the Delta are being affected.</li> </ul>	
MPWA Priority	Project Name	Project Status	Anticipated Achievements	Deliverables to AEP for 2023-2024	Rationale	Strategic Plan Alignment
Priority 1 – project follow through	Restoration Knowledge Transfer and Translation	Ongoing	<ul style="list-style-type: none"> <li>Continue to monitor completed projects and share results and recommendations with decision-makers in the watershed</li> <li>Outreach and Education work around water literacy will leverage the on the ground projects that we have already completed to further Water for Life Strategies.</li> </ul>	<ul style="list-style-type: none"> <li>Annual briefing note (March 2024).</li> </ul>	<ul style="list-style-type: none"> <li>Leverages previous funding and provides input towards future planning and advising activities</li> <li>Increases organization capacity to implement recommendations of IWMP and strategic plan</li> <li>Bridges gap between planning and advising and on the ground activity through Knowledge Translation</li> </ul>	1.2, 2.1, 2.2, 3.1, 3.2, 4.2, 5.1, 5.2, 6.1
MPWA Priority	Project Name	Project Status	Anticipated Achievements	Deliverables to AEP for 2023-2024	Rationale	Strategic Plan Alignment
Priority 2 – project follow through dependent upon resources	Smoky Headwaters Initiative	Dedicated grant funding expires March 2023 but MPWA will continue to support implementation of planning and	<ul style="list-style-type: none"> <li>Crossing remediation work on prioritized crossings</li> <li>Assessment of planting and livestaking success</li> </ul>	<ul style="list-style-type: none"> <li>Annual briefing note (March 2024)</li> </ul>	<ul style="list-style-type: none"> <li>AEP staff have identified the importance of eastern slope stream temperature monitoring</li> <li>Arctic Grayling (<i>Thymallus arcticus</i>) and Bull Trout (<i>Salvelinus confluentus</i>) are listed species in</li> </ul>	2.1, 3.1, 4.1, 5.1, 6.1

		advising recommendation from this project including follow-up monitoring. (Follow-through Year 1 of 4)	<ul style="list-style-type: none"><li>• Monitoring of water quality parameters as measure of Species at Risk fish habitat</li></ul>		<p>Alberta, and this is their habitat</p> <ul style="list-style-type: none"><li>• Methods developed here will be transferable</li><li>• This is source water for a large portion of the Peace Watershed</li><li>• Stewardship ethic is critical to ensure implementation of recommended practices</li><li>• AEP staff have identified this as a priority</li></ul>	
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