

TMI\_868-CE(2)-01

Unique Identifier	Agency IR #	Annex	Agency / Group / Stakeholder	Cross Reference / Comment / Information Request / Response	
TMI_868-CE(2)-01	CE(2)-01	1	CEA Agency	Reference to EIS Guidelines:	Part 2, Section 12.1.2
				Reference to EIS / Appendix	Sections 7.2.2, 7.3.2; Figures 7.3.2-4, 7.3.2-9
				Cross-reference to Round 1 IRs	TMI_252-CE(1)-02
				<p><b><u>Context and Rationale:</u></b></p> <ul style="list-style-type: none"> <li>It is unclear if the proponent has considered all projects that could potentially interact with the valued components considered in the cumulative effects assessment. The list of projects originally identified by the Agency in CE(1)-02 has been considered in the assessment. However, this list was intended as a starting point and not an exhaustive list. There is no indication whether the proponent has undertaken its own screening of known or reasonably foreseeable future projects that could potentially interact with the valued components assessed.</li> <li>The Agency cannot find clear screening criteria for future projects considered in the cumulative effects assessment. Screening for projects should take into consideration the potential for interaction with all valued components, including that with the largest spatial boundary.</li> <li>Further, It is unclear from the map in Figure 7.3.2-4 whether projects that could interact with the ungulates regional study area were considered, as the map does not show the full extent of the study area.</li> </ul>	
<p><b><u>Specific Question / Request for Information:</u></b></p> <p>A. Provide a comprehensive list of projects with the potential to interact with the valued components identified, including with ungulates and the current use of lands and resources for traditional purposes. Include clear screening criteria and how they were applied.</p> <p>B. Update the cumulative effects assessment as necessary to reflect the potential effects that would result from the inclusion of any additional projects identified.</p>					
<p><b><u>Response:</u></b></p> <p>A:</p> <p>The process for identifying known and reasonably foreseeable projects for inclusion in the cumulative effects assessment presented in the revised EIS (April 2018) considered information available from a range of sources, including:</p> <ul style="list-style-type: none"> <li>The CEAA Registry (the Registry), located at: <a href="https://ceaa-acee.gc.ca/050/evaluations/?culture=en-CA">https://ceaa-acee.gc.ca/050/evaluations/?culture=en-CA</a>. The Registry lists major projects that require consideration under CEAA 2012, or its predecessor, and are likely to have potential cumulative effects if located sufficiently close to the study areas for the Goliath Gold Project.</li> </ul>					

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				<ul style="list-style-type: none"> <li>The listing of environmental assessments identified on the Ontario Ministry of Environment, Conservation and Parks website, located at: <a href="https://www.ontario.ca/page/environmental_assessment-projects-category#section-0">https://www.ontario.ca/page/environmental_assessment-projects-category#section-0</a>. As with the CEEA Registry, the projects for which provincial inventories are being completed are the types of project that are likely to have potential cumulative effects if located sufficiently close to the study areas for the Goliath Gold Project.</li> <li>Other sources of information, including feedback from Agency reviewers, which have identified additional projects that warrant consideration for inclusion in the cumulative effects assessment.</li> </ul> <p>The Registry currently lists a total of 38 projects in Ontario, which includes the Goliath Gold Project. Of those 38 projects, only 19, including the Goliath Gold Project, are located in northern Ontario and thus have any potential to interact with effects of the Goliath Gold Project. The other projects in northern Ontario that are listed on the Registry are summarized in Table 1, along with the status of the projects and their relative distance from the Goliath Gold Project. Five (5) of the projects in Table 1 have been terminated and thus would not have any potential for cumulative effects (shown with grey shading in Table 1). A further three (3) projects in Table 1 were determined by the Agency to have effects that do not require environmental assessments (shown with italics in Table 1). The relative location for the closest of these projects (i.e., those most likely to interact in a cumulative manner with the effects of the Goliath Gold Project) have been shown on TMI_868-CE(2)-01_Figure_1. The figure also shows the location of the terrestrial local study area (LSA), used for describing the effects of the Goliath Gold Project on vegetation, wetlands and wildlife (exclusive of ungulates, especially moose), the wild rice LSA, and the regional study area (RSA) for terrestrial valued components (VCs), which was used for describing the effects of the Goliath Gold Project on ungulates (specifically the moose indicator). These study areas are also used for describing the lands and resources available for traditional purposes that may be affected by the Goliath Gold Project. For other projects to overlap cumulatively with the effects of the Goliath Gold Project, their effects would need to overlap with the relevant study areas, as described in Section 7.3.2 of the revised EIS (April 2018). None of the projects listed on the Registry overlap with these study areas. The Josephine Cone Mine Project is the closest to the wildlife RSA (shown on TMI_868-CE(2)-01_Figure_1). While the Josephine Cone Mine Project is far enough away from the RSA that cumulative effects on terrestrial resources, especially moose, are not expected, this project was included as part of the cumulative effects assessment presented in Section 7 of the revised EIS (April 2018) at the specific request of the Agency reviewers.</p>

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				<p><b>Table 1: Listing of Northern Ontario Projects on the CEAA Registry</b></p> <table border="1"> <thead> <tr> <th>Count</th> <th>Project Name</th> <th>Proponent</th> <th>Status</th> <th>Approximate Distance (km)</th> <th>Approximate Direction</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Marathon Platinum Group Metals and Copper Mine Project</td> <td>Stillwater Canada Inc.</td> <td>Environmental assessment terminated by proponent.</td> <td>475</td> <td>ESE</td> </tr> <tr> <td>2</td> <td>Hammond Reef Gold Project</td> <td>Agnico Eagle Mines Limited</td> <td>Environmental assessment in progress</td> <td>125</td> <td>SE</td> </tr> <tr> <td>3</td> <td>Eagle's Nest Project</td> <td>Noront Resources Ltd.</td> <td>Environmental assessment in progress</td> <td>520</td> <td>NE</td> </tr> <tr> <td>4</td> <td>Cliffs Chromite Project</td> <td>Cliffs Natural Resources Inc</td> <td>Environmental assessment terminated</td> <td>525</td> <td>NE</td> </tr> <tr> <td>5</td> <td>Josephine Cone Mine Project</td> <td>Bending Lake Iron Group Limited</td> <td>Environmental assessment in progress</td> <td>60</td> <td>SE</td> </tr> <tr> <td>6</td> <td>Rainy River Project</td> <td>New Gold Inc.</td> <td>Environmental assessment completed</td> <td>150</td> <td>SW</td> </tr> <tr> <td>7</td> <td>Range and Training Area - Thunder Bay Region</td> <td>Department of National Defence</td> <td>Environmental assessment not required</td> <td>190</td> <td>ESE</td> </tr> <tr> <td>8</td> <td>Griffith Iron Ore Redevelopment Project</td> <td>Northern Iron Corporation</td> <td>Environmental assessment in progress</td> <td>125</td> <td>NNW</td> </tr> <tr> <td>9</td> <td>Côté Gold Mine Project</td> <td>IAMGOLD Corporation</td> <td>Environmental assessment completed</td> <td>825</td> <td>SE</td> </tr> <tr> <td>10</td> <td>Victor Diamond Mine Extension Project</td> <td>De Beers Canada Inc</td> <td>Environmental assessment terminated</td> <td>700</td> <td>ESE</td> </tr> <tr> <td>11</td> <td>Magino Gold Project</td> <td>Prodigy Gold Incorporated</td> <td>Environmental assessment in progress</td> <td>620</td> <td>SE</td> </tr> <tr> <td>12</td> <td>Hardrock Gold Mine Project</td> <td>Greenstone Gold Mines</td> <td>Environmental assessment in progress</td> <td>410</td> <td>E</td> </tr> <tr> <td>13</td> <td>Energy East Project</td> <td>Energy East Pipeline Ltd.</td> <td>Environmental assessment terminated</td> <td>—</td> <td>—</td> </tr> <tr> <td>14</td> <td>Eastern Mainline Project</td> <td>TransCanada PipeLines Limited</td> <td>Environmental assessment terminated</td> <td>—</td> <td>—</td> </tr> <tr> <td>15</td> <td>Borden Gold Mine Project</td> <td>Goldcorp Borden Limited</td> <td>Environmental assessment not required</td> <td>725</td> <td>ESE</td> </tr> <tr> <td>16</td> <td>Baudette-Rainy River International Bridge</td> <td>Ontario's Ministry of Transportation</td> <td>Environmental assessment not required</td> <td>184</td> <td>SW</td> </tr> <tr> <td>17</td> <td>Springpole Gold Project</td> <td>First Mining Gold Corp.</td> <td>Environmental assessment in progress</td> <td>185</td> <td>N</td> </tr> <tr> <td>18</td> <td>Century Gold Project</td> <td>Porcupine Gold Mines</td> <td>Project under consideration</td> <td>840</td> <td>ESE</td> </tr> </tbody> </table> <p>Although the Registry represents a good source of information for identifying projects with the potential to act in a cumulative manner with the effects of the Goliath Gold Project, other sources of information were also used. There were 47 projects in northern Ontario listed with environmental assessments on the Ontario Ministry of Environment, Conservation and Parks website. Of these, ten (10) were identified as electricity projects, nine (9) were identified as mining projects, and the remaining 28 were identified as waste management projects. It should also be noted that some of the projects listed on the Ministry of Environment, Conservation and Parks were also listed on the Registry.</p> <p>Table 2 provides a summary of the electricity projects in northern Ontario with provincial environmental assessments, along with the relevant position to the Goliath Gold Project. One (1) of the project in the table has been terminated by the proponent (shown with grey shading in Table 2). Therefore, this project cannot have any potential for cumulative effects with the Goliath Gold Project. Although there are nine (9) electricity projects listed in the table, there is a high likelihood that some of these projects will never proceed. For example, both the Wataynikaneyap Power and Sagatay Transmission L.P. projects appear to have the same purpose and similar corridor options. Of these projects, only one is likely to be constructed.</p>	Count	Project Name	Proponent	Status	Approximate Distance (km)	Approximate Direction	1	Marathon Platinum Group Metals and Copper Mine Project	Stillwater Canada Inc.	Environmental assessment terminated by proponent.	475	ESE	2	Hammond Reef Gold Project	Agnico Eagle Mines Limited	Environmental assessment in progress	125	SE	3	Eagle's Nest Project	Noront Resources Ltd.	Environmental assessment in progress	520	NE	4	Cliffs Chromite Project	Cliffs Natural Resources Inc	Environmental assessment terminated	525	NE	5	Josephine Cone Mine Project	Bending Lake Iron Group Limited	Environmental assessment in progress	60	SE	6	Rainy River Project	New Gold Inc.	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				<p>ungulates, especially moose), the wild rice LSA, and the regional study area (RSA) for terrestrial valued components (VCs), which was used for describing the effects of the Goliath Gold Project on ungulates (specifically the moose indicator). These study areas are also used for describing the lands and resources available for traditional purposes that may be affected by the Goliath Gold Project. For other projects to overlap cumulatively with the effects of the Goliath Gold Project, their effects would need to overlap with the relevant study areas, as described in Section 7.3.2 of the revised EIS (April 2018). Of the electricity and mining projects listed on the MECP environmental assessment database, only the following two (2) projects overlap with the RSA shown on TMI_868-CE(2)-01_Figure_2.</p> <ul style="list-style-type: none"> <li>• New Transmission Line to Pickle Lake (Wataynikaneyap Power); and</li> <li>• Sagatay Pickle Lake Transmission Project (Sagatay Transmission L.P.).</li> </ul> <p>As noted previously, both the Wataynikaneyap Power and Sagatay Transmission L.P. projects are identified as having the same purpose and similar corridor options, and only one of these projects are likely to be built. The cumulative effects assessment presented in Section 7 of the revised EIS (April 2018) included the Wataynikaneyap Power transmission line project at the request of the Agency reviewers. As only one of these projects will be constructed, the potential cumulative effects of these projects are captured in the revised EIS.</p> <p>In addition to the Wataynikaneyap Power transmission line project, the Bending Lake Iron Mine (Josephine Cone Mine Project), which also appears on the Registry, is also located in proximity to the wildlife RSA (shown on TMI_868-CE(2)-01_Figure_1). While it is far enough away from the RSA that cumulative effects on terrestrial resources, especially moose, are not expected, this project was included as part of the cumulative effects assessment presented in Section 7 of the revised EIS (April 2018) at the specific request of the Agency reviewers.</p> <p>In addition to the electricity and mining projects listed in the MECP database, there are 28 waste management projects listed in northern Ontario. As these projects will have only a localized effect, they would not be expected to have the potential to act in a cumulative manner with the effects of the Goliath Gold Project unless located within the relevant study areas used for describing cumulative effects, as described in Section 7.3.2 of the revised EIS (April 2018). Only the “Dryden Long Term Waste Disposal Capacity” project meets these criteria. The MECP database indicates that the purpose of the project was to expand the capacity of the existing landfill site located on the southern half of Lot 11, Concession 3, in the Township Van Horne. As the environmental assessment was approved on April 19, 2000, the effects of this project will already have been captured in the existing conditions, as described in Section 7.2.1 of the revised EIS (April 2018).</p> <p>Beyond the Registry and the MECP database of current and ongoing environmental assessments, considerable information can be located through internet searches to identify potential developments that may be advanced, and could thus interact in a cumulative manner with the effects of the Goliath Gold Project. Such projects however are typically at an early stage of development and as such, little information is available regarding the size, scope and configuration of these projects that would allow for a determination of the extent and magnitude of potential cumulative effects, if any, which could interact with the effects of the Goliath Gold Project. Based on these searches, the following groups of projects of projects were evaluated:</p> <ul style="list-style-type: none"> <li>• The Adaptive Phase Management (APM) project for the management of spent nuclear fuel;</li> <li>• Mining projects in the region;</li> <li>• Wabigoon River clean-up and remediation.</li> </ul> <p><u>Adaptive Phase Management</u></p> <p>The Adaptive Phased Management (APM) project is Canada’s plan for the long-term management of used nuclear fuel, which</p>

Unique Identifier	Agency IR #	Annex	Agency / Group / Stakeholder	Cross Reference / Comment / Information Request / Response
				<p>requires used fuel to be contained and isolated in a deep geological repository located in a willing host community. The Nuclear Waste Management Organization (NWMO) is responsible for designing and implementing the APM project. The implementation of the APM project will span many decades, and will include the following steps, as described by NWMO:</p> <ul style="list-style-type: none"> <li>• Step 1: NWMO initiates the siting process with a broad program to provide information, answer questions and build awareness among Canadians about the project and siting process. Awareness-building activities will continue throughout the full duration of the siting process.</li> <li>• Step 2: Communities identify their interest in learning more, and the NWMO provides detailed briefing. An initial screening is conducted. At the request of the community, the NWMO will evaluate the potential suitability of the community against a list of initial screening criteria.</li> <li>• Step 3: For interested communities, a preliminary assessment of potential suitability is conducted. At the request of the community, the NWMO will conduct a feasibility study collaboratively with the community to determine whether a site has the potential to meet the detailed requirements for the project. Interested communities will be encouraged to inform surrounding communities, including potentially affected Aboriginal communities and governments, as early as possible to facilitate their involvement.</li> <li>• Step 4: For interested communities, potentially affected surrounding communities are engaged if they have not been already, and detailed site evaluations are completed. In this step, the NWMO will select one or more suitable sites from communities expressing formal interest for regional study and/or detailed multi-year site evaluations. The NWMO will work collaboratively with these communities to engage potentially affected surrounding communities, Aboriginal governments and the provincial government in a study of health, safety, environment, social, economic and cultural effects of the project at a broader regional level (Regional Study), including effects that may be associated with transportation. Involvement will continue throughout the siting process as decisions are made about how the project will be implemented.</li> <li>• Step 5: Communities with confirmed suitable sites decide whether they are willing to accept the project and propose the terms and conditions on which they would have the project proceed.</li> <li>• Step 6: The NWMO and the community with the preferred site enter into a formal agreement to host the project. The NWMO selects the preferred site, and the NWMO and community ratify a formal agreement.</li> <li>• Step 7: Regulatory authorities review the safety of the project through an independent, formal and public process and, if all requirements are satisfied, give their approvals to proceed. The implementation of the deep geological repository will be regulated under the Nuclear Safety and Control Act and its associated regulations to protect the health, safety and security of Canadians and the environment, and to respect Canada’s international commitments on the peaceful use of nuclear energy. Regulatory requirements will be observed throughout all steps in the siting process. The documentation produced through previous steps, as well as other documentation that will be required, will be formally reviewed by regulatory authorities at this step through an Environmental Assessment and then licensing hearings related to site preparation and construction of facilities associated with the project. Various aspects of transportation of used nuclear fuel will also need to be approved by regulatory authorities.</li> <li>• Step 8: Construction and operation of an underground demonstration facility proceeds. The NWMO will develop the centre of expertise, launched in Step 4, to include and support the construction and operation of an underground demonstration facility designed to confirm the characteristics of the site before applying to regulatory authorities for</li> </ul>

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				<p>an operating licence. Designed in collaboration with the community, it will become a hub for knowledge-sharing across Canada and internationally.</p> <ul style="list-style-type: none"> <li>• Step 9: construction and operation of the facility. The NWMO begins construction of the deep geological repository and associated surface facilities. Operation will begin after an operating licence is obtained from regulatory authorities. The NWMO will continue to work in partnership with the host community in order to ensure the commitments to the community are addressed throughout the entire lifetime of the project.</li> </ul> <p>The APM project is currently in Step 3 of the process (preliminary evaluation of the sites), and have identified seven (7) possible locations in the following areas as the current focus are currently involved as a focus of study:</p> <ul style="list-style-type: none"> <li>• Hornepayne and Area;</li> <li>• Huron-Kinloss;</li> <li>• Ignace and Area;</li> <li>• Manitouwadge and Area; and</li> <li>• South Bruce</li> </ul> <p>Of these possible sites, only the “Ignace and Area” location is close enough to have the potential for effects that could be cumulative with the effects of the Goliath Gold Project. Currently, there is no indication whether this location will advance beyond Step 3 in the APM process. Even if the Ignace area is identified as having the potential to meet the detailed requirements for the APM project, it would still need to be selected as one of the sites to move forward into the multi-year studies (Step 4). Should the site be identified as suitable, the community would need to confirm its willingness to host the APM (Step 5) and enter a formal agreement to host the APM project (Step 6), before the regulatory approval process (including an environmental assessment) can commence. The site selection process (Steps 1 through 6) were expected to take more than 10 years to complete. The regulatory approval process is identified by NWMO as likely taking 5 or more years to complete; however, the regulatory approval process for the Deep Geologic Repository (DGR) for low and intermediate level waste is still ongoing after 12 years. It would not be until the successful conclusion of the regulatory process (possibly 10–20 years from today) that the 10-year construction process would commence. Therefore, the only activities associated with the APM project with the potential to overlap with the effects of the Goliath Gold Project would be the exploratory drilling work underway as part of Step 3, and possibly additional drilling if Ignace and Area are identified as suitable for moving into Step 4. As shown on TMI_868 CE(2) 01_Figure_3, all of the identified drilling areas in the Ignace study area fall outside of the study areas used for describing the effects of the Project on lands and resources that could be used for traditional purposes by members of Indigenous communities. Thus, no effects associated of the AMP project drilling (Step 3 and Step 4, should Ignace community advance in the process) were identified as acting cumulatively with the effects associated with the Goliath Gold Project, and the APM project was not included as part of the cumulative effects assessment presented in Section 7 of the revised EIS (April 2018).</p> <p><u>Mining Projects in the Region</u></p> <p>A search for other potential mining project in the vicinity of the Goliath Gold Projects identified a number of potential mines across northern Ontario. Only the Goldlund Project for First Mining Gold (25 km to the northeast) is close enough however to consider as possibly having the potential for cumulative effects with those of the Goliath Gold Project. The Goldlund Project is</p>

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				<p>one of four (4) properties held by First Mining Gold in northern Ontario, as shown in TMI_868 CE(2) 01_Figure 3, The others properties are Springpole (185 km to the north), Pickle Crow (265 km to the northeast), and Cameron (110 km to the west-southwest). Of these projects, only the Springpole Project has advanced beyond the exploration phase, having recently been posted on the Registry to start the environmental assessment process. The figure also shows the location of the terrestrial local study area (LSA), used for describing the effects of the Goliath Gold Project on vegetation, wetlands and wildlife (exclusive of ungulates, especially moose), the wild rice LSA, and the regional study area (RSA) for valued components (VCs), which was used for describing the effects of the Goliath Gold Project on ungulates (specifically the moose indicator). These study areas are also used for describing the lands and resources available for traditional purposes that may be affected by the Goliath Gold Project. For other projects to overlap cumulatively with the effects of the Goliath Gold Project, their effects would need to overlap with the relevant study areas, as described in Section 7.3.2 of the revised EIS (April 2018).</p> <p>Table 4 lists the resources associated with each of the First Mining Gold projects in northern Ontario, and shows why the Springpole project is being advanced by First Mining in preference of the other properties. The Goldlund Project, which is only in the process of completing two (2) phases of exploratory drilling, focused on areas around the patented claim (WSP 2017). The areas where the past and planned drilling is to occur lays outside of the study areas used for describing the effects of the Project on lands and resources that could be used for traditional purposes by members of Indigenous communities. Thus, no potential cumulative effects were expected to occur with the effects associated with the Goliath Gold Project, and this project was not included as part of the cumulative effects assessment presented in Section 7 of the revised EIS (April 2018).</p> <table border="1" data-bbox="787 776 1738 1008"> <caption>Table 4: First Mining Gold Resources in Northern Ontario</caption> <thead> <tr> <th rowspan="2">Project</th> <th colspan="4">Measured, Indicated and Inferred Resources (tonnes)</th> </tr> <tr> <th>Measured</th> <th>Indicated</th> <th>Inferred</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Goldlund</td> <td>—</td> <td>9,300,000</td> <td>40,900,000</td> <td>50,200,000</td> </tr> <tr> <td>Springpole</td> <td>—</td> <td>139,100,000</td> <td>11,400,000</td> <td>150,500,000</td> </tr> <tr> <td>Pickle Crow</td> <td>—</td> <td>—</td> <td>10,300,000</td> <td>10,300,000</td> </tr> <tr> <td>Cameron</td> <td>3,360,000</td> <td>2,170,000</td> <td>6,535,000</td> <td>12,065,000</td> </tr> </tbody> </table> <p>Source: <a href="https://firstmininggold.com/projects/mineral-resources/">https://firstmininggold.com/projects/mineral-resources/</a></p> <p><u>Wabigoon River Clean-up and Remediation.</u></p> <p>In July of 2017, the Ontario Government made a commitment to spend \$85 million to help clean up the mercury contamination in the Wabigoon and English river systems, downstream of the City of Dryden. The primary source of contamination had been identified as historic releases of mercury from the paper mill in the community; however, recent studies (Rudd et al. 2016) indicate there may still be sources of emissions. While the funding for the clean-up has been set aside, the plans for the actual clean-up activities have yet to be finalized, and no specific dates for starting the work released, and no indications as to the nature of the remediation published. As such, it is not possible to quantitatively evaluate what, if any, effects associated with this project could act in a cumulative manner with the effects of the Goliath Gold Project. As described in the cumulative effects assessment presented in Section 7 of the revised EIS (April 2018), the Goliath Gold Project was not identified as having adverse effects on either water quality and fish that extend beyond the network of stream adjacent to the Goliath Gold Project. There would be no measurable adverse effects of the Goliath Gold Project on either water quality or fish that extend into Wabigoon Lake, and thus no effects that would extend downstream of Dryden to interact with the possible effects associated with planned Wabigoon River clean-up and remediation. As set out in the guidance for completing cumulative</p>	Project	Measured, Indicated and Inferred Resources (tonnes)				Measured	Indicated	Inferred	Total	Goldlund	—	9,300,000	40,900,000	50,200,000	Springpole	—	139,100,000	11,400,000	150,500,000	Pickle Crow	—	—	10,300,000	10,300,000	Cameron	3,360,000	2,170,000	6,535,000	12,065,000
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				<p>effects assessments under CEAA 2012 (CEAA, 2014), the only cumulative effects that need to be considered are those where there are residual adverse effects identified as a result of the Project. Therefore, the planned Wabigoon River clean-up and remediation was not considered as part of the cumulative effects assessment presented in Section 7 of the revised EIS (April 2018), as there were no residual adverse effects to either fish or water quality that extended into Wabigoon Lake, or downstream. Treasury Metals is confident that the Agency, and other interested stakeholders, will ensure that the possible effects of the planned Wabigoon River clean-up and remediation project will be subject to the same level of rigorous scrutiny applied to the Goliath Gold Project and other similar projects that have completed, or are currently completing review under the Canadian Environmental Assessment Act.</p> <p><u>Part B:</u> As detailed in Part A of this response, Treasury Metals evaluated a comprehensive list of projects to identify those projects with effects that could potential interact in a cumulative manner with those of the Goliath Gold Project. No additional projects beyond those evaluated in Section 7 of the revised EIS (April 2018) were identified. As such, there is no need to revise the cumulative effects assessment presented in Section 7 of the revised EIS (April 2018).</p> <p><u>References</u> Canadian Environmental Assessment Registry. 2014 Available: <a href="https://www.ceaa-acee.gc.ca/050/index-eng.cfm">https://www.ceaa-acee.gc.ca/050/index-eng.cfm</a>. Accessed: October 14, 2014. WSP Canada Inc. (WSP). 2017. Technical Report and Resource Estimation Update on the Goldlund Project, Patricia and Kenora Mining Division, Ontario. Prepared for First Mining Finance Corp.</p>
				<p><b><u>Agency Comment on Draft Response</u></b> None received.</p> <p><b><u>Specific Response to Agency Comments</u></b> Not required. Agency accepted Draft Response.</p> <p><b><u>FINAL RESPONSE:</u></b> <u>A:</u> The process for identifying known and reasonably foreseeable projects for inclusion in the cumulative effects assessment presented in the revised EIS (April 2018) considered information available from a range of sources, including:</p> <ul style="list-style-type: none"> <li>• The CEAA Registry (the Registry), located at: <a href="https://ceaa-acee.gc.ca/050/evaluations/?culture=en-CA">https://ceaa-acee.gc.ca/050/evaluations/?culture=en-CA</a>. The Registry lists major projects that require consideration under CEAA 2012, or its predecessor, and are likely to have potential cumulative effects if located sufficiently close to the study areas for the Goliath Gold Project.</li> <li>• The listing of environmental assessments identified on the Ontario Ministry of Environment, Conservation and Parks website, located at: <a href="https://www.ontario.ca/page/environmental_assessment-projects-category#section-0">https://www.ontario.ca/page/environmental_assessment-projects-category#section-0</a>. As with the CEAA Registry, the projects for which provincial inventories are being completed are the types of project that are</li> </ul>

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				<p>likely to have potential cumulative effects if located sufficiently close to the study areas for the Goliath Gold Project.</p> <ul style="list-style-type: none"> <li>Other sources of information, including feedback from Agency reviewers, which have identified additional projects that warrant consideration for inclusion in the cumulative effects assessment.</li> </ul> <p>The Registry currently lists a total of 38 projects in Ontario, which includes the Goliath Gold Project. Of those 38 projects, only 19, including the Goliath Gold Project, are located in northern Ontario and thus have any potential to interact with effects of the Goliath Gold Project. The other projects in northern Ontario that are listed on the Registry are summarized in Table 1, along with the status of the projects and their relative distance from the Goliath Gold Project. Five (5) of the projects in Table 1 have been terminated and thus would not have any potential for cumulative effects (shown with grey shading in Table 1). A further three (3) projects in Table 1 were determined by the Agency to have effects that do not require environmental assessments (shown with italics in Table 1). The relative location for the closest of these projects (i.e., those most likely to interact in a cumulative manner with the effects of the Goliath Gold Project) have been shown on TMI_868-CE(2)-01_Figure_1. The figure also shows the location of the terrestrial local study area (LSA), used for describing the effects of the Goliath Gold Project on vegetation, wetlands and wildlife (exclusive of ungulates, especially moose), the wild rice LSA, and the regional study area (RSA) for terrestrial valued components (VCs), which was used for describing the effects of the Goliath Gold Project on ungulates (specifically the moose indicator). These study areas are also used for describing the lands and resources available for traditional purposes that may be affected by the Goliath Gold Project. For other projects to overlap cumulatively with the effects of the Goliath Gold Project, their effects would need to overlap with the relevant study areas, as described in Section 7.3.2 of the revised EIS (April 2018). None of the projects listed on the Registry overlap with these study areas. The Josephine Cone Mine Project is the closest to the wildlife RSA (shown on TMI_868-CE(2)-01_Figure_1). While the Josephine Cone Mine Project is far enough away from the RSA that cumulative effects on terrestrial resources, especially moose, are not expected, this project was included as part of the cumulative effects assessment presented in Section 7 of the revised EIS (April 2018) at the specific request of the Agency reviewers.</p>

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				<p><b>Table 1: Listing of Northern Ontario Projects on the CEAA Registry</b></p> <table border="1"> <thead> <tr> <th>Count</th> <th>Project Name</th> <th>Proponent</th> <th>Status</th> <th>Approximate Distance (km)</th> <th>Approximate Direction</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Marathon Platinum Group Metals and Copper Mine Project</td> <td>Stillwater Canada Inc.</td> <td>Environmental assessment terminated by proponent.</td> <td>475</td> <td>ESE</td> </tr> <tr> <td>2</td> <td>Hammond Reef Gold Project</td> <td>Agnico Eagle Mines Limited</td> <td>Environmental assessment in progress</td> <td>125</td> <td>SE</td> </tr> <tr> <td>3</td> <td>Eagle's Nest Project</td> <td>Noront Resources Ltd.</td> <td>Environmental assessment in progress</td> <td>520</td> <td>NE</td> </tr> <tr> <td>4</td> <td>Cliffs Chromite Project</td> <td>Cliffs Natural Resources Inc</td> <td>Environmental assessment terminated</td> <td>525</td> <td>NE</td> </tr> <tr> <td>5</td> <td>Josephine Cone Mine Project</td> <td>Bending Lake Iron Group Limited</td> <td>Environmental assessment in progress</td> <td>60</td> <td>SE</td> </tr> <tr> <td>6</td> <td>Rainy River Project</td> <td>New Gold Inc.</td> <td>Environmental assessment completed</td> <td>150</td> <td>SW</td> </tr> <tr> <td>7</td> <td>Range and Training Area - Thunder Bay Region</td> <td>Department of National Defence</td> <td>Environmental assessment not required</td> <td>190</td> <td>ESE</td> </tr> <tr> <td>8</td> <td>Griffith Iron Ore Redevelopment Project</td> <td>Northern Iron Corporation</td> <td>Environmental assessment in progress</td> <td>125</td> <td>NNW</td> </tr> <tr> <td>9</td> <td>Côté Gold Mine Project</td> <td>IAMGOLD Corporation</td> <td>Environmental assessment completed</td> <td>825</td> <td>SE</td> </tr> <tr> <td>10</td> <td>Victor Diamond Mine Extension Project</td> <td>De Beers Canada Inc</td> <td>Environmental assessment terminated</td> <td>700</td> <td>ESE</td> </tr> <tr> <td>11</td> <td>Magino Gold Project</td> <td>Prodigy Gold Incorporated</td> <td>Environmental assessment in progress</td> <td>620</td> <td>SE</td> </tr> <tr> <td>12</td> <td>Hardrock Gold Mine Project</td> <td>Greenstone Gold Mines</td> <td>Environmental assessment in progress</td> <td>410</td> <td>E</td> </tr> <tr> <td>13</td> <td>Energy East Project</td> <td>Energy East Pipeline Ltd.</td> <td>Environmental assessment terminated</td> <td>—</td> <td>—</td> </tr> <tr> <td>14</td> <td>Eastern Mainline Project</td> <td>TransCanada PipeLines Limited</td> <td>Environmental assessment terminated</td> <td>—</td> <td>—</td> </tr> <tr> <td>15</td> <td>Borden Gold Mine Project</td> <td>Goldcorp Borden Limited</td> <td>Environmental assessment not required</td> <td>725</td> <td>ESE</td> </tr> <tr> <td>16</td> <td>Baudette-Rainy River International Bridge</td> <td>Ontario's Ministry of Transportation</td> <td>Environmental assessment not required</td> <td>184</td> <td>SW</td> </tr> <tr> <td>17</td> <td>Springpole Gold Project</td> <td>First Mining Gold Corp.</td> <td>Environmental assessment in progress</td> <td>185</td> <td>N</td> </tr> <tr> <td>18</td> <td>Century Gold Project</td> <td>Porcupine Gold Mines</td> <td>Project under consideration</td> <td>840</td> <td>ESE</td> </tr> </tbody> </table> <p>Although the Registry represents a good source of information for identifying projects with the potential to act in a cumulative manner with the effects of the Goliath Gold Project, other sources of information were also used. There were 47 projects in northern Ontario listed with environmental assessments on the Ontario Ministry of Environment, Conservation and Parks website. Of these, ten (10) were identified as electricity projects, nine (9) were identified as mining projects, and the remaining 28 were identified as waste management projects. It should also be noted that some of the projects listed on the Ministry of Environment, Conservation and Parks were also listed on the Registry.</p> <p>Table 2 provides a summary of the electricity projects in northern Ontario with provincial environmental assessments, along with the relevant position to the Goliath Gold Project. One (1) of the project in the table has been terminated by the proponent (shown with grey shading in Table 2). Therefore, this project cannot have any potential for cumulative effects with the Goliath Gold Project. Although there are nine (9) electricity projects listed in the table, there is a high likelihood that some of these projects will never proceed. For example, both the Wataynikaneyap Power and Sagatay Transmission L.P. projects appear to have the same purpose and similar corridor options. Of these projects, only one is likely to be constructed.</p>	Count	Project Name	Proponent	Status	Approximate Distance (km)	Approximate Direction	1	Marathon Platinum Group Metals and Copper Mine Project	Stillwater Canada Inc.	Environmental assessment terminated by proponent.	475	ESE	2	Hammond Reef Gold Project	Agnico Eagle Mines Limited	Environmental assessment in progress	125	SE	3	Eagle's Nest Project	Noront Resources Ltd.	Environmental assessment in progress	520	NE	4	Cliffs Chromite Project	Cliffs Natural Resources Inc	Environmental assessment terminated	525	NE	5	Josephine Cone Mine Project	Bending Lake Iron Group Limited	Environmental assessment in progress	60	SE	6	Rainy River Project	New Gold Inc.	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15	Borden Gold Mine Project	Goldcorp Borden Limited	Environmental assessment not required	725	ESE																																																																																																																	
16	Baudette-Rainy River International Bridge	Ontario's Ministry of Transportation	Environmental assessment not required	184	SW																																																																																																																	
17	Springpole Gold Project	First Mining Gold Corp.	Environmental assessment in progress	185	N																																																																																																																	
18	Century Gold Project	Porcupine Gold Mines	Project under consideration	840	ESE																																																																																																																	

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				<p><b>Table 2: Listing of Northern Ontario Electricity Projects on the MECP Database</b></p> <table border="1"> <thead> <tr> <th>Count</th> <th>Project Name</th> <th>Type</th> <th>Proponent</th> <th>Status</th> <th>Approximate Distance (km)</th> <th>Approximate Direction</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Detour Lake Contingency Power Project</td> <td>Electricity</td> <td>Detour Gold Corporation</td> <td>Environmental assessment: approved, March 22, 2012</td> <td>926</td> <td>E</td> </tr> <tr> <td>2</td> <td>Detour Lake Power Project</td> <td>Electricity</td> <td>Detour Gold Corporation</td> <td>Environmental assessment: approved, December 15, 2010</td> <td>926</td> <td>E</td> </tr> <tr> <td>3</td> <td>Goldcorp Musselwhite Mine Main Power Supply Project</td> <td>Electricity</td> <td>Goldcorp Canada Limited</td> <td>Environmental assessment: approved, November 17, 2010</td> <td>350</td> <td>NNE</td> </tr> <tr> <td>4</td> <td>New Transmission Line to Pickle Lake</td> <td>Electricity</td> <td>Wataynikaneyap Power</td> <td>Environmental assessment: submitted, November 3, 2017</td> <td>20</td> <td>SW</td> </tr> <tr> <td>5</td> <td>Sagatay Pickle Lake transmission project</td> <td>Electricity</td> <td>Sagatay Transmission L.P.</td> <td>Terms of reference: expiry of public comment period, March 28, 2016</td> <td>20-80</td> <td>SW</td> </tr> <tr> <td>6</td> <td>SynFuel Technologies: New Energy Source for Atikokan Ontario</td> <td>Electricity</td> <td>SynFuel Technologies</td> <td>Terms of reference: time out</td> <td>125</td> <td>SE</td> </tr> <tr> <td>7</td> <td>SynFuel Technologies: New Energy Source for Cascades Fine Paper Group</td> <td>Electricity</td> <td>SynFuel Technologies</td> <td>Terms of reference: approved, March 14, 2005</td> <td>290</td> <td>SE</td> </tr> <tr> <td>8</td> <td>SynFuel Technologies: New Energy Source for Red Rock Ontario</td> <td>Electricity</td> <td>SynFuel Technologies</td> <td>Terms of reference: approved, November 4, 2005</td> <td>330</td> <td>ESE</td> </tr> <tr> <td>9</td> <td>SynFuel Technologies: New Energy Source for Thunder Bay Ontario</td> <td>Electricity</td> <td>SynFuel Technologies</td> <td>Terms of reference: approved, March 14, 2005</td> <td>290</td> <td>SE</td> </tr> <tr style="background-color: #d3d3d3;"> <td>10</td> <td>Victor Diamond Mine Power Supply Project</td> <td>Electricity</td> <td>De Beers Canada Exploration Inc.</td> <td>Terms of reference: withdrawn, August 26, 2004</td> <td>700</td> <td>ENE</td> </tr> </tbody> </table> <p>Table 3 provides a summary of the mining projects in northern Ontario with provincial environmental assessments, along with the relevant position to the Goliath Gold Project. Two (2) of the project in the table has been terminated by the proponent (shown with grey shading in Table 3). Therefore, these projects cannot have any potential for cumulative effects with the Goliath Gold Project.</p> <p><b>Table 3: Listing of Northern Ontario Mining Projects on the MECP Database</b></p> <table border="1"> <thead> <tr> <th>Count</th> <th>Project Name</th> <th>Type</th> <th>Proponent</th> <th>Status</th> <th>Approximate Distance (km)</th> <th>Approximate Direction</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Bending Lake Iron Mine (Josephine Cone Mine Project)</td> <td>Mining</td> <td>Bending Lake Iron Group Limited</td> <td>Designation: granted, November 25, 2011</td> <td>60</td> <td>SE</td> </tr> <tr style="background-color: #d3d3d3;"> <td>2</td> <td>Cliffs Chromite Project</td> <td>Mining</td> <td>Cliffs Natural Resources Inc</td> <td>On November 20, 2013, Cliffs announced that it was indefinitely suspending its chromite project in Northern Ontario.</td> <td>525</td> <td>NE</td> </tr> <tr> <td>3</td> <td>Côte Gold Project</td> <td>Mining</td> <td>IAMGOLD Corporation</td> <td>Environmental assessment: approved, December 22, 2016</td> <td>825</td> <td>SE</td> </tr> <tr> <td>4</td> <td>Hammond Reef gold mine</td> <td>Mining</td> <td>Agnico Eagle Mines Limited</td> <td>Revised environmental assessment submitted January 29, 2018</td> <td>125</td> <td>SE</td> </tr> <tr> <td>5</td> <td>Hardrock Gold Mine</td> <td>Mining</td> <td>Greenstone Gold Mines</td> <td>Terms of reference: approved, June 24, 2015</td> <td>410</td> <td>E</td> </tr> <tr style="background-color: #d3d3d3;"> <td>6</td> <td>Marathon Platinum Group Metals and Copper Mine Project</td> <td>Mining</td> <td>Stillwater Canada Inc.</td> <td>Environmental assessment terminated by proponent.</td> <td>475</td> <td>ESE</td> </tr> <tr> <td>7</td> <td>Noront Eagle's Nest Multi-metal Mine</td> <td>Mining</td> <td>Noront Resources Ltd.</td> <td>Terms of reference – amendment: approved, June 18, 2015</td> <td>520</td> <td>NE</td> </tr> <tr> <td>8</td> <td>Rainy River Gold Mine</td> <td>Mining</td> <td>New Gold Inc.</td> <td>Environmental assessment: approved, January 28, 2015</td> <td>150</td> <td>SW</td> </tr> <tr> <td>9</td> <td>Springpole Gold Project</td> <td>Mining</td> <td>First Mining Gold Corp.</td> <td>On April 18, 2018 the First Mining Gold agreed to make the project subject to the Environmental Assessment Act.</td> <td>185</td> <td>N</td> </tr> </tbody> </table> <p>The relative location for the closest of the electricity and mining projects with environmental assessments listed in the MECP database have been shown on TMI_868-CE(2)-01_Figure_2. The figure also shows the location of the terrestrial local study area (LSA), used for describing the effects of the Goliath Gold Project on vegetation, wetlands and wildlife (exclusive of</p>	Count	Project Name	Type	Proponent	Status	Approximate Distance (km)	Approximate Direction	1	Detour Lake Contingency Power Project	Electricity	Detour Gold Corporation	Environmental assessment: approved, March 22, 2012	926	E	2	Detour Lake Power Project	Electricity	Detour Gold Corporation	Environmental assessment: approved, December 15, 2010	926	E	3	Goldcorp Musselwhite Mine Main Power Supply Project	Electricity	Goldcorp Canada Limited	Environmental assessment: approved, November 17, 2010	350	NNE	4	New Transmission Line to Pickle Lake	Electricity	Wataynikaneyap Power	Environmental assessment: submitted, November 3, 2017	20	SW	5	Sagatay Pickle Lake transmission project	Electricity	Sagatay Transmission L.P.	Terms of reference: expiry of public comment period, March 28, 2016	20-80	SW	6	SynFuel Technologies: New Energy Source for Atikokan Ontario	Electricity	SynFuel Technologies	Terms of reference: time out	125	SE	7	SynFuel Technologies: New Energy Source for Cascades Fine Paper Group	Electricity	SynFuel Technologies	Terms of reference: approved, March 14, 2005	290	SE	8	SynFuel Technologies: New Energy Source for Red Rock Ontario	Electricity	SynFuel Technologies	Terms of reference: approved, November 4, 2005	330	ESE	9	SynFuel Technologies: New Energy Source for Thunder Bay Ontario	Electricity	SynFuel Technologies	Terms of reference: approved, March 14, 2005	290	SE	10	Victor Diamond Mine Power Supply Project	Electricity	De Beers Canada Exploration Inc.	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Environmental assessment terminated by proponent.	475	ESE	7	Noront Eagle's Nest Multi-metal Mine	Mining	Noront Resources Ltd.	Terms of reference – amendment: approved, June 18, 2015	520	NE	8	Rainy River Gold Mine	Mining	New Gold Inc.	Environmental assessment: approved, January 28, 2015	150	SW	9	Springpole Gold Project	Mining	First Mining Gold Corp.	On April 18, 2018 the First Mining Gold agreed to make the project subject to the Environmental Assessment Act.	185	N
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				<p>ungulates, especially moose), the wild rice LSA, and the regional study area (RSA) for terrestrial valued components (VCs), which was used for describing the effects of the Goliath Gold Project on ungulates (specifically the moose indicator). These study areas are also used for describing the lands and resources available for traditional purposes that may be affected by the Goliath Gold Project. For other projects to overlap cumulatively with the effects of the Goliath Gold Project, their effects would need to overlap with the relevant study areas, as described in Section 7.3.2 of the revised EIS (April 2018). Of the electricity and mining projects listed on the MECP environmental assessment database, only the following two (2) projects overlap with the RSA shown on TMI_868-CE(2)-01_Figure_2.</p> <ul style="list-style-type: none"> <li>• New Transmission Line to Pickle Lake (Wataynikaneyap Power); and</li> <li>• Sagatay Pickle Lake Transmission Project (Sagatay Transmission L.P.).</li> </ul> <p>As noted previously, both the Wataynikaneyap Power and Sagatay Transmission L.P. projects are identified as having the same purpose and similar corridor options, and only one of these projects are likely to be built. The cumulative effects assessment presented in Section 7 of the revised EIS (April 2018) included the Wataynikaneyap Power transmission line project at the request of the Agency reviewers. As only one of these projects will be constructed, the potential cumulative effects of these projects are captured in the revised EIS.</p> <p>In addition to the Wataynikaneyap Power transmission line project, the Bending Lake Iron Mine (Josephine Cone Mine Project), which also appears on the Registry, is also located in proximity to the wildlife RSA (shown on TMI_868-CE(2)-01_Figure_1). While it is far enough away from the RSA that cumulative effects on terrestrial resources, especially moose, are not expected, this project was included as part of the cumulative effects assessment presented in Section 7 of the revised EIS (April 2018) at the specific request of the Agency reviewers.</p> <p>In addition to the electricity and mining projects listed in the MECP database, there are 28 waste management projects listed in northern Ontario. As these projects will have only a localized effect, they would not be expected to have the potential to act in a cumulative manner with the effects of the Goliath Gold Project unless located within the relevant study areas used for describing cumulative effects, as described in Section 7.3.2 of the revised EIS (April 2018). Only the “Dryden Long Term Waste Disposal Capacity” project meets these criteria. The MECP database indicates that the purpose of the project was to expand the capacity of the existing landfill site located on the southern half of Lot 11, Concession 3, in the Township Van Horne. As the environmental assessment was approved on April 19, 2000, the effects of this project will already have been captured in the existing conditions, as described in Section 7.2.1 of the revised EIS (April 2018).</p> <p>Beyond the Registry and the MECP database of current and ongoing environmental assessments, considerable information can be located through internet searches to identify potential developments that may be advanced, and could thus interact in a cumulative manner with the effects of the Goliath Gold Project. Such projects however are typically at an early stage of development and as such, little information is available regarding the size, scope and configuration of these projects that would allow for a determination of the extent and magnitude of potential cumulative effects, if any, which could interact with the effects of the Goliath Gold Project. Based on these searches, the following groups of projects of projects were evaluated:</p> <ul style="list-style-type: none"> <li>• The Adaptive Phase Management (APM) project for the management of spent nuclear fuel;</li> <li>• Mining projects in the region;</li> <li>• Wabigoon River clean-up and remediation.</li> </ul> <p><u>Adaptive Phase Management</u></p> <p>The Adaptive Phased Management (APM) project is Canada’s plan for the long-term management of used nuclear fuel, which</p>

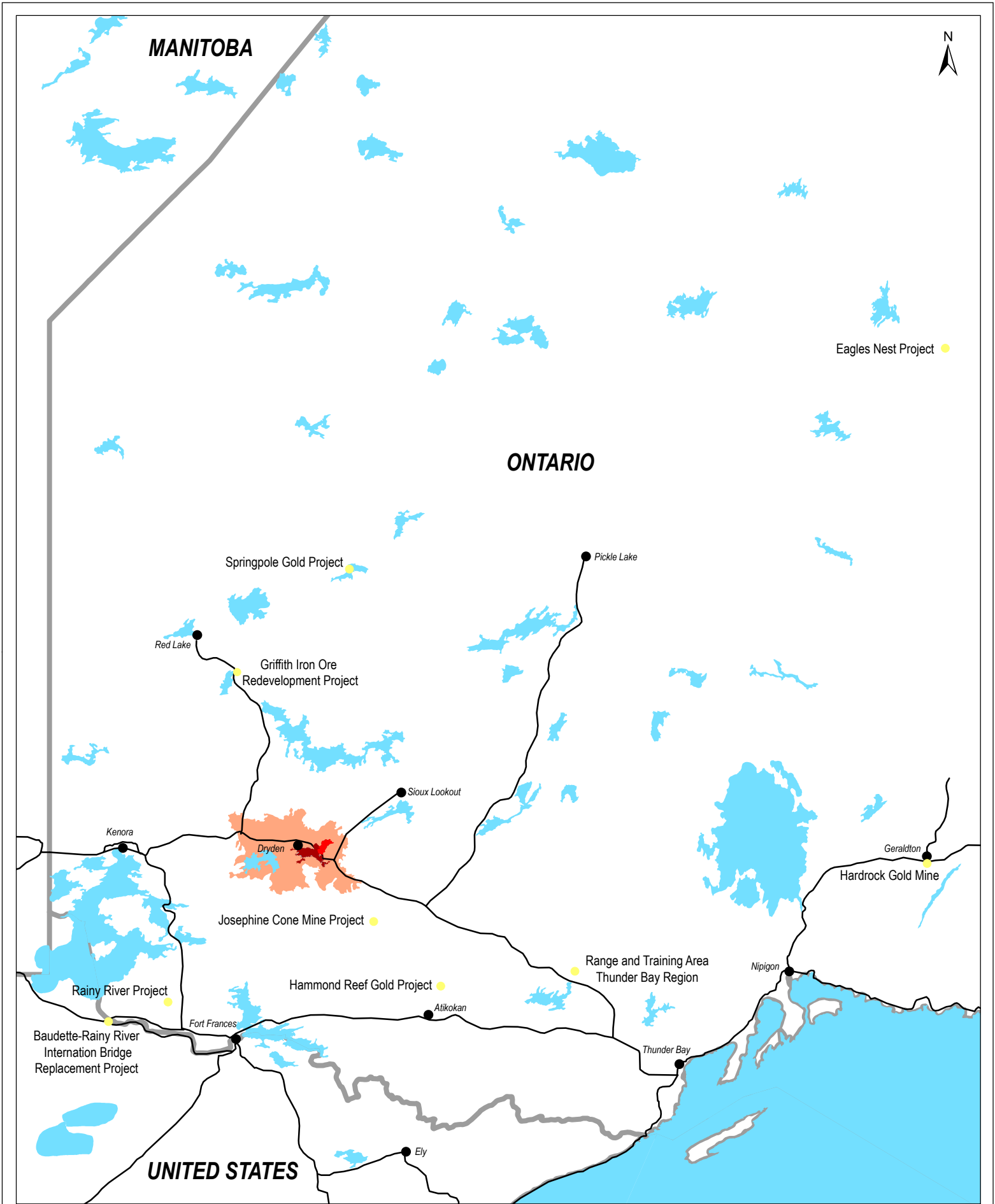
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				<p>requires used fuel to be contained and isolated in a deep geological repository located in a willing host community. The Nuclear Waste Management Organization (NWMO) is responsible for designing and implementing the APM project. The implementation of the APM project will span many decades, and will include the following steps, as described by NWMO:</p> <ul style="list-style-type: none"> <li>• Step 1: NWMO initiates the siting process with a broad program to provide information, answer questions and build awareness among Canadians about the project and siting process. Awareness-building activities will continue throughout the full duration of the siting process.</li> <li>• Step 2: Communities identify their interest in learning more, and the NWMO provides detailed briefing. An initial screening is conducted. At the request of the community, the NWMO will evaluate the potential suitability of the community against a list of initial screening criteria.</li> <li>• Step 3: For interested communities, a preliminary assessment of potential suitability is conducted. At the request of the community, the NWMO will conduct a feasibility study collaboratively with the community to determine whether a site has the potential to meet the detailed requirements for the project. Interested communities will be encouraged to inform surrounding communities, including potentially affected Aboriginal communities and governments, as early as possible to facilitate their involvement.</li> <li>• Step 4: For interested communities, potentially affected surrounding communities are engaged if they have not been already, and detailed site evaluations are completed. In this step, the NWMO will select one or more suitable sites from communities expressing formal interest for regional study and/or detailed multi-year site evaluations. The NWMO will work collaboratively with these communities to engage potentially affected surrounding communities, Aboriginal governments and the provincial government in a study of health, safety, environment, social, economic and cultural effects of the project at a broader regional level (Regional Study), including effects that may be associated with transportation. Involvement will continue throughout the siting process as decisions are made about how the project will be implemented.</li> <li>• Step 5: Communities with confirmed suitable sites decide whether they are willing to accept the project and propose the terms and conditions on which they would have the project proceed.</li> <li>• Step 6: The NWMO and the community with the preferred site enter into a formal agreement to host the project. The NWMO selects the preferred site, and the NWMO and community ratify a formal agreement.</li> <li>• Step 7: Regulatory authorities review the safety of the project through an independent, formal and public process and, if all requirements are satisfied, give their approvals to proceed. The implementation of the deep geological repository will be regulated under the Nuclear Safety and Control Act and its associated regulations to protect the health, safety and security of Canadians and the environment, and to respect Canada’s international commitments on the peaceful use of nuclear energy. Regulatory requirements will be observed throughout all steps in the siting process. The documentation produced through previous steps, as well as other documentation that will be required, will be formally reviewed by regulatory authorities at this step through an Environmental Assessment and then licensing hearings related to site preparation and construction of facilities associated with the project. Various aspects of transportation of used nuclear fuel will also need to be approved by regulatory authorities.</li> <li>• Step 8: Construction and operation of an underground demonstration facility proceeds. The NWMO will develop the centre of expertise, launched in Step 4, to include and support the construction and operation of an underground demonstration facility designed to confirm the characteristics of the site before applying to regulatory authorities for</li> </ul>

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				<p>an operating licence. Designed in collaboration with the community, it will become a hub for knowledge-sharing across Canada and internationally.</p> <ul style="list-style-type: none"> <li>• Step 9: construction and operation of the facility. The NWMO begins construction of the deep geological repository and associated surface facilities. Operation will begin after an operating licence is obtained from regulatory authorities. The NWMO will continue to work in partnership with the host community in order to ensure the commitments to the community are addressed throughout the entire lifetime of the project.</li> </ul> <p>The APM project is currently in Step 3 of the process (preliminary evaluation of the sites), and have identified seven (7) possible locations in the following areas as the current focus are currently involved as a focus of study:</p> <ul style="list-style-type: none"> <li>• Hornepayne and Area;</li> <li>• Huron-Kinloss;</li> <li>• Ignace and Area;</li> <li>• Manitouwadge and Area; and</li> <li>• South Bruce</li> </ul> <p>Of these possible sites, only the “Ignace and Area” location is close enough to have the potential for effects that could be cumulative with the effects of the Goliath Gold Project. Currently, there is no indication whether this location will advance beyond Step 3 in the APM process. Even if the Ignace area is identified as having the potential to meet the detailed requirements for the APM project, it would still need to be selected as one of the sites to move forward into the multi-year studies (Step 4). Should the site be identified as suitable, the community would need to confirm its willingness to host the APM (Step 5) and enter a formal agreement to host the APM project (Step 6), before the regulatory approval process (including an environmental assessment) can commence. The site selection process (Steps 1 through 6) were expected to take more than 10 years to complete. The regulatory approval process is identified by NWMO as likely taking 5 or more years to complete; however, the regulatory approval process for the Deep Geologic Repository (DGR) for low and intermediate level waste is still ongoing after 12 years. It would not be until the successful conclusion of the regulatory process (possibly 10–20 years from today) that the 10-year construction process would commence. Therefore, the only activities associated with the APM project with the potential to overlap with the effects of the Goliath Gold Project would be the exploratory drilling work underway as part of Step 3, and possibly additional drilling if Ignace and Area are identified as suitable for moving into Step 4. As shown on TMI_868 CE(2) 01_Figure_3, all of the identified drilling areas in the Ignace study area fall outside of the study areas used for describing the effects of the Project on lands and resources that could be used for traditional purposes by members of Indigenous communities. Thus, no effects associated of the AMP project drilling (Step 3 and Step 4, should Ignace community advance in the process) were identified as acting cumulatively with the effects associated with the Goliath Gold Project, and the APM project was not included as part of the cumulative effects assessment presented in Section 7 of the revised EIS (April 2018).</p> <p><u>Mining Projects in the Region</u></p> <p>A search for other potential mining project in the vicinity of the Goliath Gold Projects identified a number of potential mines across northern Ontario. Only the Goldlund Project for First Mining Gold (25 km to the northeast) is close enough however to consider as possibly having the potential for cumulative effects with those of the Goliath Gold Project. The Goldlund Project is</p>

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				<p>one of four (4) properties held by First Mining Gold in northern Ontario, as shown in TMI_868 CE(2) 01_Figure 3, The others properties are Springpole (185 km to the north), Pickle Crow (265 km to the northeast), and Cameron (110 km to the west-southwest). Of these projects, only the Springpole Project has advanced beyond the exploration phase, having recently been posted on the Registry to start the environmental assessment process. The figure also shows the location of the terrestrial local study area (LSA), used for describing the effects of the Goliath Gold Project on vegetation, wetlands and wildlife (exclusive of ungulates, especially moose), the wild rice LSA, and the regional study area (RSA) for valued components (VCs), which was used for describing the effects of the Goliath Gold Project on ungulates (specifically the moose indicator). These study areas are also used for describing the lands and resources available for traditional purposes that may be affected by the Goliath Gold Project. For other projects to overlap cumulatively with the effects of the Goliath Gold Project, their effects would need to overlap with the relevant study areas, as described in Section 7.3.2 of the revised EIS (April 2018).</p> <p>Table 4 lists the resources associated with each of the First Mining Gold projects in northern Ontario, and shows why the Springpole project is being advanced by First Mining in preference of the other properties. The Goldlund Project, which is only in the process of completing two (2) phases of exploratory drilling, focused on areas around the patented claim (WSP 2017). The areas where the past and planned drilling is to occur lays outside of the study areas used for describing the effects of the Project on lands and resources that could be used for traditional purposes by members of Indigenous communities. Thus, no potential cumulative effects were expected to occur with the effects associated with the Goliath Gold Project, and this project was not included as part of the cumulative effects assessment presented in Section 7 of the revised EIS (April 2018).</p> <table border="1" data-bbox="787 776 1738 1008"> <caption>Table 4: First Mining Gold Resources in Northern Ontario</caption> <thead> <tr> <th rowspan="2">Project</th> <th colspan="4">Measured, Indicated and Inferred Resources (tonnes)</th> </tr> <tr> <th>Measured</th> <th>Indicated</th> <th>Inferred</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Goldlund</td> <td>—</td> <td>9,300,000</td> <td>40,900,000</td> <td>50,200,000</td> </tr> <tr> <td>Springpole</td> <td>—</td> <td>139,100,000</td> <td>11,400,000</td> <td>150,500,000</td> </tr> <tr> <td>Pickle Crow</td> <td>—</td> <td>—</td> <td>10,300,000</td> <td>10,300,000</td> </tr> <tr> <td>Cameron</td> <td>3,360,000</td> <td>2,170,000</td> <td>6,535,000</td> <td>12,065,000</td> </tr> </tbody> </table> <p>Source: <a href="https://firstmininggold.com/projects/mineral-resources/">https://firstmininggold.com/projects/mineral-resources/</a></p> <p><u>Wabigoon River Clean-up and Remediation.</u></p> <p>In July of 2017, the Ontario Government made a commitment to spend \$85 million to help clean up the mercury contamination in the Wabigoon and English river systems, downstream of the City of Dryden. The primary source of contamination had been identified as historic releases of mercury from the paper mill in the community; however, recent studies (Rudd et al. 2016) indicate there may still be sources of emissions. While the funding for the clean-up has been set aside, the plans for the actual clean-up activities have yet to be finalized, and no specific dates for starting the work released, and no indications as to the nature of the remediation published. As such, it is not possible to quantitatively evaluate what, if any, effects associated with this project could act in a cumulative manner with the effects of the Goliath Gold Project. As described in the cumulative effects assessment presented in Section 7 of the revised EIS (April 2018), the Goliath Gold Project was not identified as having adverse effects on either water quality and fish that extend beyond the network of stream adjacent to the Goliath Gold Project. There would be no measurable adverse effects of the Goliath Gold Project on either water quality or fish that extend into Wabigoon Lake, and thus no effects that would extend downstream of Dryden to interact with the possible effects associated with planned Wabigoon River clean-up and remediation. As set out in the guidance for completing cumulative</p>	Project	Measured, Indicated and Inferred Resources (tonnes)				Measured	Indicated	Inferred	Total	Goldlund	—	9,300,000	40,900,000	50,200,000	Springpole	—	139,100,000	11,400,000	150,500,000	Pickle Crow	—	—	10,300,000	10,300,000	Cameron	3,360,000	2,170,000	6,535,000	12,065,000
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Unique Identifier	Agency IR #	Annex	Agency / Group / Stakeholder	Cross Reference / Comment / Information Request / Response
				<p>effects assessments under CEAA 2012 (CEAA, 2014), the only cumulative effects that need to be considered are those where there are residual adverse effects identified as a result of the Project. Therefore, the planned Wabigoon River clean-up and remediation was not considered as part of the cumulative effects assessment presented in Section 7 of the revised EIS (April 2018), as there were no residual adverse effects to either fish or water quality that extended into Wabigoon Lake, or downstream. Treasury Metals is confident that the Agency, and other interested stakeholders, will ensure that the possible effects of the planned Wabigoon River clean-up and remediation project will be subject to the same level of rigorous scrutiny applied to the Goliath Gold Project and other similar projects that have completed, or are currently completing review under the Canadian Environmental Assessment Act.</p> <p><u>Part B:</u> As detailed in Part A of this response, Treasury Metals evaluated a comprehensive list of projects to identify those projects with effects that could potential interact in a cumulative manner with those of the Goliath Gold Project. No additional projects beyond those evaluated in Section 7 of the revised EIS (April 2018) were identified. As such, there is no need to revise the cumulative effects assessment presented in Section 7 of the revised EIS (April 2018).</p> <p><u>References</u> Canadian Environmental Assessment Registry. 2014 Available: <a href="https://www.ceaa-acee.gc.ca/050/index-eng.cfm">https://www.ceaa-acee.gc.ca/050/index-eng.cfm</a>. Accessed: October 14, 2014. WSP Canada Inc. (WSP). 2017. Technical Report and Resource Estimation Update on the Goldlund Project, Patricia and Kenora Mining Division, Ontario. Prepared for First Mining Finance Corp.</p>



**GOLIATH GOLD PROJECT**  
 DRYDEN, ONTARIO, CANADA



Projects in Northern Ontario Listed With  
 the Canadian Environmental Assessment Agency

DESIGN: MP 30/08/2018  
 GIS: MP 30/08/2018  
 CHECK: MW 30/08/2018  
 REVIEW: RG 30/08/2018

Figure TMI\_868-CE-01\_Figure 1 REV.01

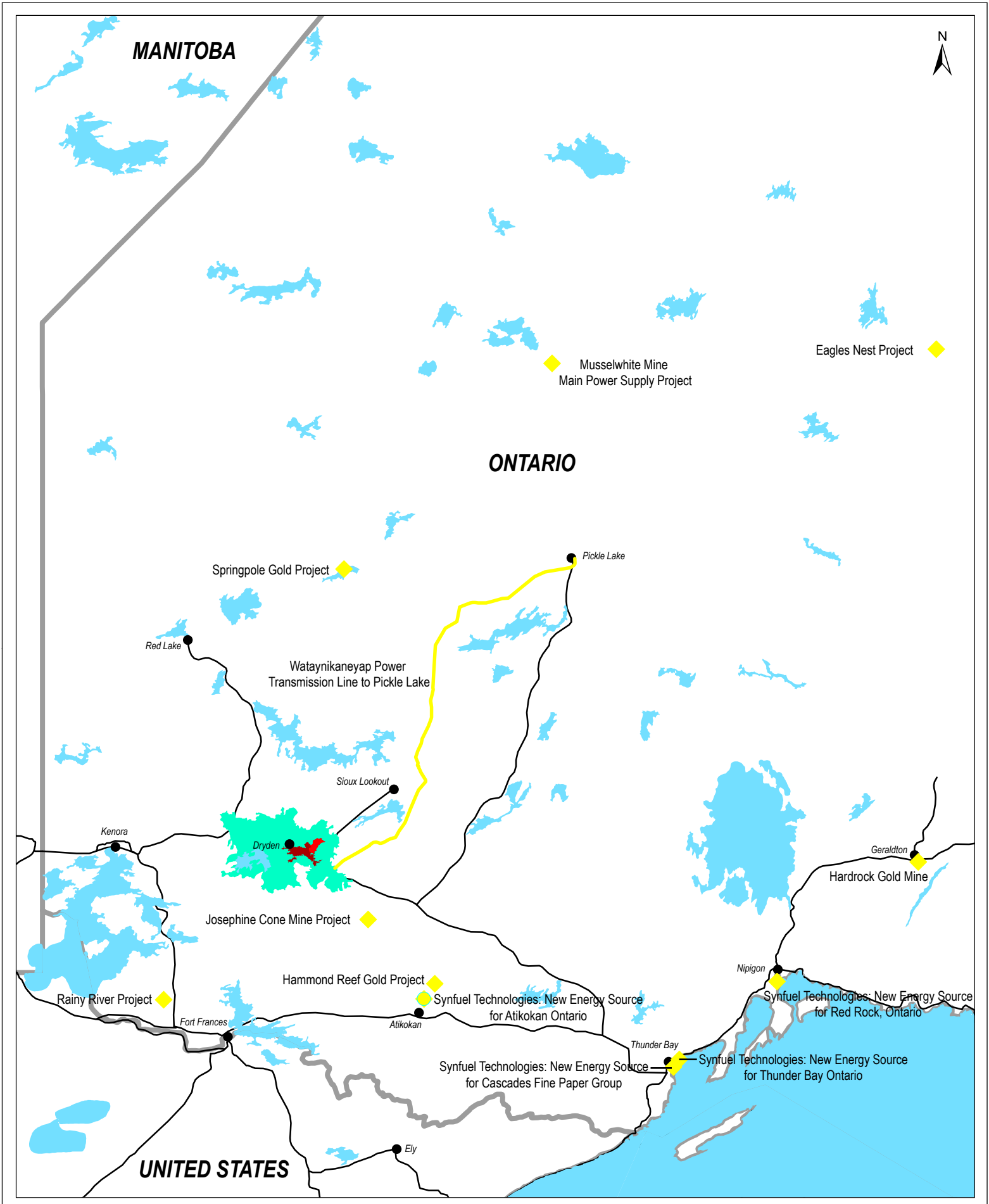
- Active Projects
- Terrestrial Local Study Area
- Wild Rice Local Study Area
- Regional Study Area
- Population Center
- Major Roadway
- Waterbody
- International/Provincial Boundary

SCALE 1:5,000,000

Coordinate System: WGS 1984  
 Projection: Mercator Auxiliary Sphere  
 Datum: WGS 1984

Base Data:  
 Treasury Metals Inc., LIO Database.

Notes:  
 All details subject to change as  
 Project evolves.



**GOLIATH GOLD PROJECT  
DRYDEN, ONTARIO, CANADA**

Projects in Northern Ontario Listed  
with the Ontario Ministry of  
Environment, Conservation, and Parks

Figure TML\_868-CE-01\_Figure 2

**TREASURY METALS INC.**

DESIGN: MP 30/08/2018  
 GIS: MP 30/08/2018  
 CHECK: MW 30/08/2018  
 REVIEW: RG 30/08/2018

REV.01

- ◆ Projects Listed Under MECP Database
- Waterbody
- Terrestrial Local Study Area
- Wild Rice Local Study Area
- Regional Study Area
- Population Center
- Major Roadway
- International/Provincial Boundary
- Proposed Wataynikaneyap Powerline

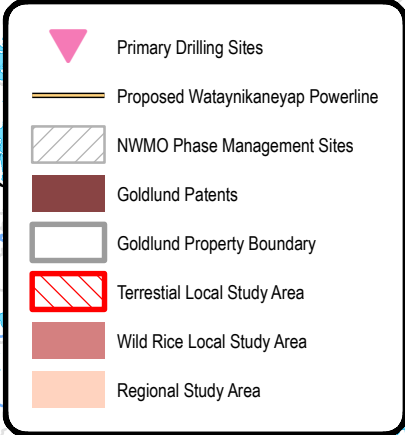
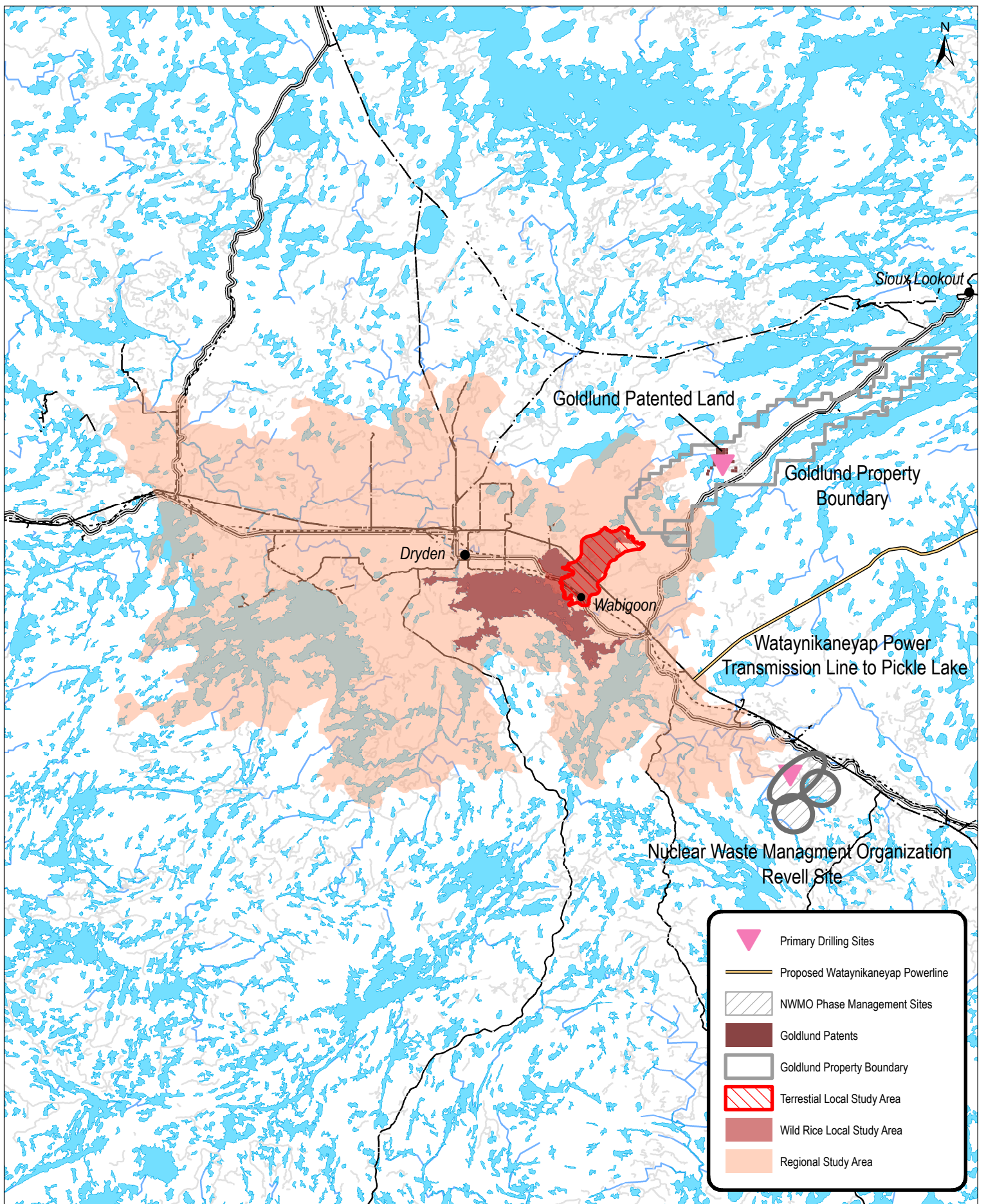
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Coordinate System: WGS 1984  
 Projection: Mercator Auxiliary Sphere  
 Datum: WGS 1984

0 250  
 Kilometers

Base Data:  
 Treasury Metals Inc., LIO Database.

Notes:  
 All details subject to change as  
 Project evolve.



GOLIATH GOLD PROJECT  
 DRYDEN, ONTARIO, CANADA

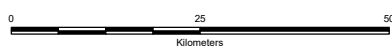


- Hydro Line
- Natural Gas Pipeline
- Arterial Roadway
- Expressway / Highway
- Waterbody
- Watercourse
- Resource / Recreation

SCALE

1:1,000,000

Coordinate System: WGS 1984  
 Projection: Mercator Auxiliary Sphere  
 Datum: WGS 1984



Base Data:  
 Treasury Metals Inc., LIO Database.

Notes:  
 All details subject to change as  
 Projects evolve.

Projects in Northern Ontario with the  
 Potential to be Advanced

DESIGN: MP 30/08/2018  
 GIS: MP 30/08/2018  
 CHECK: MW 30/08/2018  
 REVIEW: RG 30/08/2018

Figure TMI\_868-CE-01\_Figure 3 REV.01