



Dominion Diamond Ekati Corporation Jay Diamond Mine Project

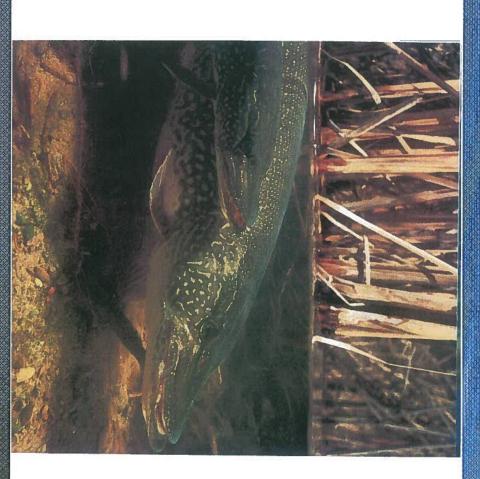
Fisheries and Oceans Canada September 14-16, 2015 Yellowknife, NWT





1. DFO Mandate

Technical Review
Conclusions and
Recommendations









The **mandate** of the Fisheries Protection Program is maintain the sustainability and ongoing productivity commercial, recreational and Aboriginal fisheries.

Fisheries Act

- Subsection 35 (1) no person shall carry on any work, undertaking or activity that results in serious harm to fish that are part of a commercial, recreational or Aboriginal fishery, or to fish that support such a fishery.
- Paragraph 35 (2) (b) allows for the issuance of a Fisheries Act Authorization
- Section 20 relates to the provision of sufficient water and unimpeded fish
- Section 36 administered by Environment Canada prohibits the deposit of a deleterious substance into fish-frequented waters unless authorized by regulation made under the Fisheries Act.





Fisheries and Oceans Canada

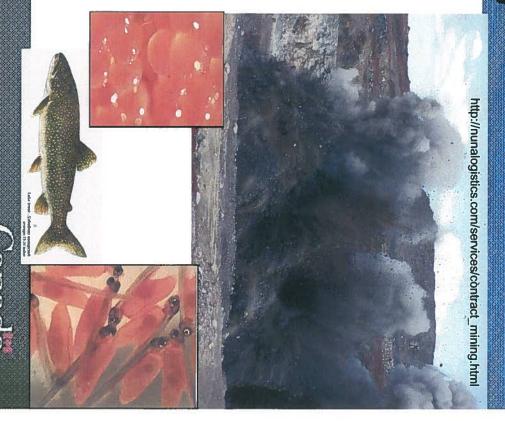
Technical Review Conclusions and Recommendations





Issue

Results of testing and monitoring in the north indicate that a threshold limit of 50 kPa is more appropriate to mitigate the effects of blasting on fish rather than the 100kPa threshold that is in Fisheries and Oceans Canada guidance document.



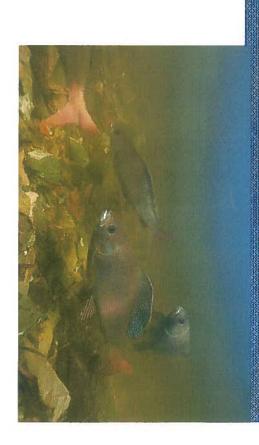


- the effects of blasting on fish and reduce the risk of serious For the Developer to revise their pressure threshold limit of harm to fish. order to develop adequate mitigation measures to address 100 kPa to 50 kPa, and recalculate the setback distance, in
- and mitigation plan to ensure that peak particle velocities do For the Developer to provide an appropriate blast monitoring the event that blasts may exceed this threshold. not exceed 13 mm/s at shoal S4 during the time of Lake I rout egg incubation, including procedures to be followed in

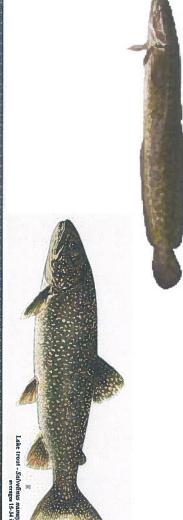


Issue

 Sub-Basin B diversion channel does not account for fish passage needs of all fish species present.







- For the Developer to implement best management to avoid and mitigate serious harm to fish. practices in the design of Sub-Basin B Diversion Channel
- fish passage, timing windows, bank stabilization, sediment control
- diversion channel. diversion maintenance and monitoring plan to ensure that For the Developer to implement an appropriate stream barriers to fish passage do not form over the life of the



- For the Developer to provide Fisheries and Oceans consideration of fish passage, erosion and sediment address such things as design, flows, stabilization, control, for review prior to construction. Canada with detailed plans for the diversion channel to
- For the Developer to provide detailed closure and for streams B0 and Ac35 including the reclamation of natural channels and drainage reclamation plans for Sub-Basin B Diversion channel,



Issue

 Potential Impacts from changes to water levels in the Narrows, Lake C1 and Stream C1.



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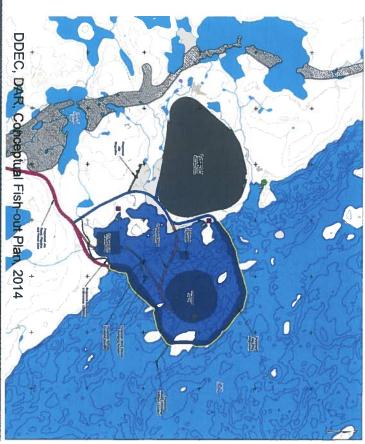
- during the open water season, particularly during years of For the Developer to monitor the water levels in Lake do not negatively impact fish passage or fish habitat closure, to ensure that Project effects on these water bodies C1/Stream C1 and at depth-limiting locations in the Narrows low precipitation, extended drought or back-flooding at
- of barriers to fish passage or serious harm to tish in Lake action plan in the event that significant changes in water For the Developer to establish a mitigation, response or C1/Stream C1 and the Narrows levels are likely to occur, to mitigate the risk of the formation





Issue

 The transfer of fish during fish-out of the diked area may not be supported because of high mortality rates and injuries of fish





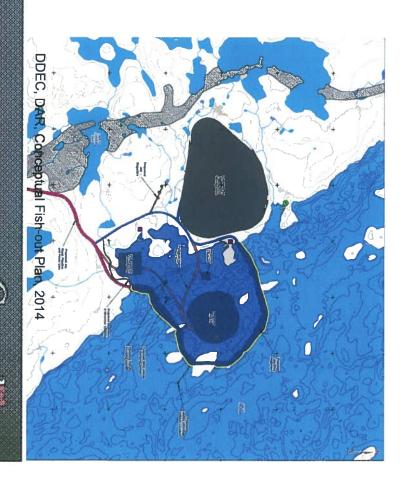
Canada

du Sauvage. affected communities regarding the handling and fate of For the Developer to conduct additional consultation with fish captured during the fish-out of the diked area in Lac



Issue

 The need for suitable avoidance, mitigation and offsetting plans for the Jay Project to address Project impacts to fish and fish habitat.





Fisheries and Oceans Canada

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For the Developer to conduct additional consultation with or mitigated. to offset the serious harm to fish which cannot be avoided and Oceans Canada regarding the development of options affected communities and continue to work with Fisheries

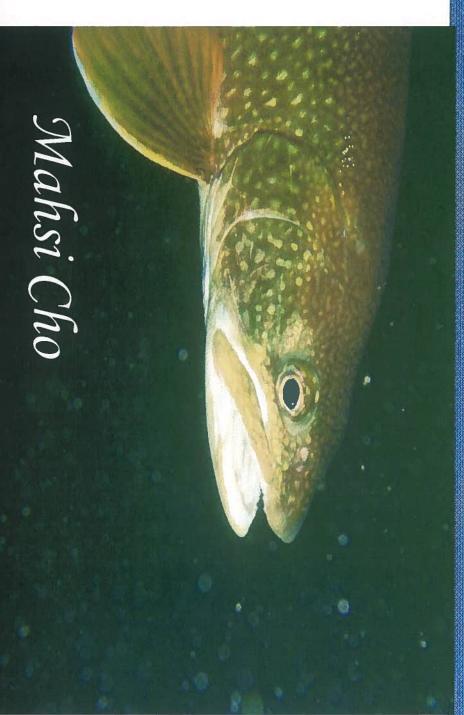


that interests for the protection of fish and fish habitat are being and stakeholders, including potentially impacted communities, to ensure Fisheries and Oceans Canada will continue to engage with the Developer addressed and that:

- Appropriate mitigation measures, follow-up and monitoring programs are implemented;
- A Fish-out Plan and Offsetting Plan are developed that are affected communities adequate and acceptable to Fisheries and Oceans Canada and the



Questions?



Canada