



## Executive Summary

The Hope Bay Greenstone Belt Phase 2 Boston-Madrid Project (the Project) is located east of Bathurst Inlet, approximately 150 km southwest of Cambridge Bay within the western Kitikmeot Region of Nunavut, and 700 km northeast of Yellowknife. TMAC Resources Inc. (the Proponent) is the prime holder of the mineral claims, leases, and one Inuit Mineral Exploration Agreement that comprises the 20x80 km property. Phase 2 of the proposed project focuses on mining of the Madrid North, Madrid South, and Boston gold deposits.

Fisheries and Oceans Canada (DFO) – Fisheries Protection Program (FPP) reviewed the Final Environmental Impact Statement (FEIS) for the Project in regards to departmental mandate under the *Fisheries Act*, specifically the management and protection of fish, marine mammals, and their habitat. The primary focus of the review is to ensure that works, undertakings and activities of proposed developments are conducted in such a way that the proponents are in compliance with the applicable provisions of the *Fisheries Act*.

The *Fisheries Act*, Sub-Section 35(1) of the provisions states: "*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.* However, under Paragraph 35(2)(b) of the *Fisheries Act*, the Minister of Fisheries, Oceans and the Canadian Coast Guard may issue an authorization with terms and conditions in relation to a proposed work, undertaking or activity that may result in *serious harm* to fish. *Serious harm* to fish is defined in Section (2) as the death of fish, or permanent alteration to or destruction of fish habitat.

DFO-FPP is providing the following written technical submission to the Nunavut Water Board (NWB) for their consideration.

### Freshwater Environment

The proposed project works, undertakings and/or activities below have the potential to negatively impact freshwater fish and fish habitat before the consideration of mitigation and offsetting measures:

- a) Crossings of fish-bearing streams – areas under culverts or bridge support structures; impacts to fish passage.
- b) Water withdrawal – reduced water flow in outflow streams and reduction of water level in lakes; and
- c) Location of water intakes structures and discharge pipelines below the high water mark

