Interested Party:	**DFO**	**Rec No.:**	**Commitment 11 / DFO TC2.2.3**
Re:	**Water use volume requirements and sources lakes**		

Table 1. Updated List of Waterbodies for Operational and Geological Drilling at the Whale Tail Expansion Project.

Waterbody[a]	Area (ha)	Max Depth (m)	Fish Species Captured	Potential Withdrawal Period per Year	Total Lake Volume (m^3)	Available (10%) Under-Ice Volume (m^3)[b]	Maximum Annual Non-Drilling Withdrawal (m^3)	Maximum Annual Drilling Withdrawal (m^3)[e]	Total Maximum Annual Withdrawal (m^3)
Whale Tail Lake South Basin	466.9	22.5	Large and small-bodied fish species	Year round	16,188,796	788,664[c]	0	25,037	25,037
A20	56.2	25.0	Large and small-bodied fish species	Year round	2,893,567	197,676	0	25,037	25,037
Nemo Lake	125.5	23.2	Large and small-bodied fish species	Year round	8,359,828	616,923	209,544	25,037	234,581
Mammoth Lake	159.7	17.2	Large and small-bodied fish species	Year round	8,509,682	367,555	2,500	25,038	27,538
A113	2.1	<2	Small-bodied fish species	Open water season	NA	1,113[d]	To be dewatered	954	954
A54	1.8	<2	None	Open water season	NA	954[d]	To be dewatered	2,217	2,217
A53	20.20	3.8	Large and small-bodied fish species	Year round	140,190	2,217	To be dewatered	1,676	1,676
A49	3.17	7.3	Large and small-bodied fish species	Year round	87,804	1,676	To be dewatered	106	106
A48	0.20	<2	Small-bodied fish species	Open water season	NA	106[d]	To be dewatered	1,839	1,839

Waterbody[a]	Area (ha)	Max Depth (m)	Fish Species Captured	Potential Withdrawal Period per Year	Total Lake Volume (m^3)	Available (10%) Under-Ice Volume (m^3)[b]	Maximum Annual Non-Drilling Withdrawal (m^3)	Maximum Annual Drilling Withdrawal (m^3)[e]	Total Maximum Annual Withdrawal (m^3)
A47	4.54	3.4	Large and small-bodied fish species	Open water season	50,238	1,839	To be dewatered	159	159
A46	0.30	<2	Small-bodied fish species	Open water season	NA	159[d]	To be dewatered	111	111
A-P38	0.21	<2	Small-bodied fish species	Open water season	NA	111[d]	To be dewatered	504	504
A-P21	0.95	<2	None	Open water season	NA	504[d]	To be dewatered	270	270
A-P10	0.51	<1	None	Open water season	NA	270[d]	To be dewatered	37	37
A0	0.07	<2	Small-bodied fish species	Open water season	NA	37[d]	To be dewatered	25,037	25,037
Total							***212,044***	***109,135***	***321,179***

NA = not available

a) fish-bearing water or potentially fish-bearing water

b) Bathymetry baseline presented in Appendix 6-M in the Final Environmental Impact Statement (FEIS) for the Expansion Project

c) Estimated for 156.75 masl

d) Lakes are shallow (e.g., less than approximately 2 m maximum depth), and are expected to freeze to the bottom during winter (see the reply to DFO-3.2-2 submitted to the Nunavut Impact Review Board, dated May 29, 2019 [Agnico Eagle 2019a]); however, available water during the open water season was calculated by multiplying area (m^3) by a depth of 0.053 m; the selected depth is based on the fish habitat protection thresholds analyzed in Golder (2018) memo, calculated as the mean water level change of 0.183 m minus 2 standard deviations (minus 2-times 0.065 m SD) for small waterbodies under a withdrawal of 10% the under-ice volume during winter

e) Withdrawal rates based on submitted information to the Nunavut Water Board; although total daily withdrawal rates for multiple drills on the landscape may approach 299 m3/day, the withdrawal rate from an individual waterbody by one drill is expected to be much lower, sustaining water levels in the waterbody for the duration of drilling (see reply to Type A Water Licence Amendment Whale Tail Expansion Project - Information Request DFO-IR3 [Agnico Eagle 2019b])

Note: Within the Project footprint, waterbodies listed as losses (i.e.., waterbodies that will be dewatered for mining infrastructure) within the Conceptual Fish Habitat Offsetting Plan (Agnico Eagle 2019c) will be used for operational drilling prior to dewatering of those waterbodies for mining infrastructure or activities