

To:	Karyn Lewis	From:	Alvin Tong
	Lupin Mine Incorporated		Stantec Consulting Ltd.
File:	Supporting Information for the Dam Stability and Cover Design	Date:	January 10, 2020

Reference: Supporting Information for the Dam Stability and Cover Design

Lupin Mine Incorporated (LMI), a wholly owned subsidiary of Mandalay Resources is requesting the renewal and amendment of their existing Type "A" Water License No. 2AM-LUP1520, to allow for Final Closure and Reclamation of the Lupin Mine Project (Lupin). The Nunavut Water Board (NWB or Board) Water License Application No. 2AM-LUP1520 Technical Meeting was held June 6-7th, 2019 in Kugluktuk and Appendix D of the June 18, 2018 Pre-Hearing Conference Decision Report outlines the agreed upon List of Commitments (Commitments). Stantec Consulting Ltd. (Stantec) was retained by LMI to support the responses to select commitments and this technical memo provides the responses to fulfill Commitment No. 6.

The original response to the commitment was provided on November 14, 2019. Follow up comments and a meeting with CIRNAC on January 7th, 2020 identified that additional information is needed to provide details for the resloping for Dam K and M. The figures provided herein is revised from the original submission in November 2019 to provide the additional information as requested in the January meeting.

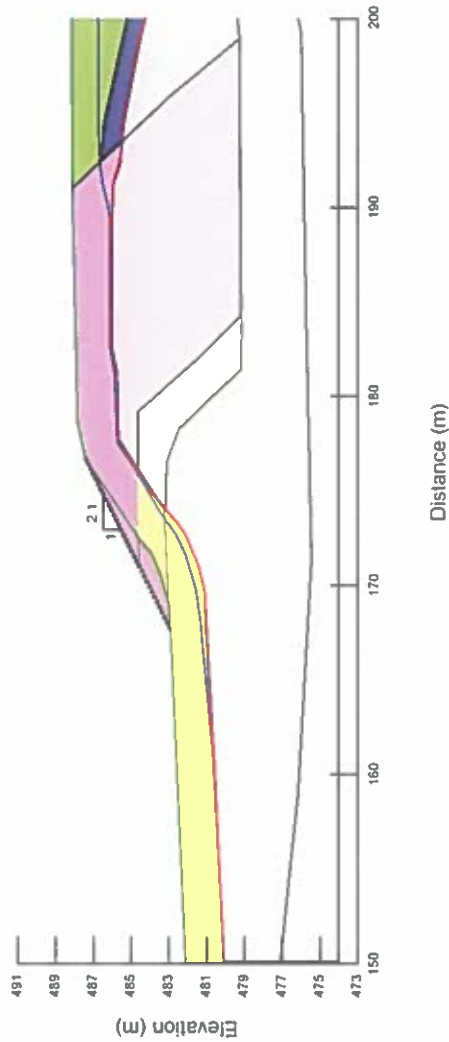
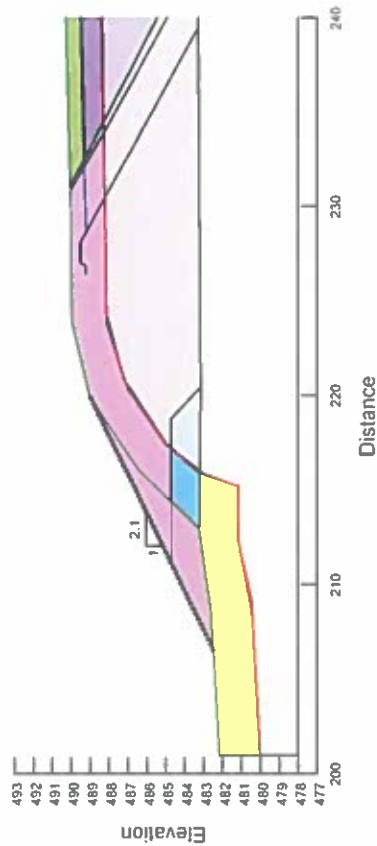
Stantec Consulting Ltd.

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Attachment: Figure 2-4

c. Sara Wilkins, Jim McKintley



LEGEND

- ESKER
- ESKER PERMA
- GRAVELLY SAND
- ROCKFILL
- ROCKFILL PERMA
- TAILINGS (UNDRAINED)
- TAILINGS PERMA
- TILL
- TILL PERMA
- SURVEYED SURFACE
- RESLOPE AREA
- ASSUMED PHREATIC SURFACE



SCALES INDICATED BASED ON AN 8 5"x11" PLOT CONFIGURATION

LUPIN MINES INC.

PHC COMMENTS RESPONSE

TAILINGS CONTAINMENT AREA
 CELL 3 & CELL 5 COVER AND
 SURFACE WATER SECTIONS

SCALE:	AS SHOWN	PROJECT NO	129500081	FIG NO	4	REV	A
DATE:	2020-01-08	PROJECTED					
CO-ORD SYS	UTM8312	PROJECTED					
DRWN BY	JL	PROJECTED					
DESIGN BY	LK	PROJECTED					
REV'D BY	AT	PROJECTED					
APP'D BY	SE	PROJECTED					



