

DAILY REPORT #02 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Lowell Wade	Date:	2012.01.07
Reviewed by:		Project #:	1CH008.058.0340
Role	Company	Personnel – Position	On Site
Client	Hope Bay Mining Limited (HBML)	David Vokey – ESR Coordinator Don Ethelston – HSLP Advisor Jill Turk – ESR Coordinator Katsky Venter – ESR Manger Stirling Kelly – HSLP Advisor Angela Holzapfel – ESR Compliance Manager Michelle Tanquay – ESR Site Manager	No No No Yes Yes No No
	JDS	Lloyd Jackson – Mechanical Superintendent Doug Fielding – Construction Manager Ishan Fechter – Construction Coordinator Jerry Graham – Construction Manager Kevin Whieldon – Project Coordinator Mark Valeriote – Construction Manager	Yes No No Yes Yes No
Engineering Design Consultants	SRK Consulting (Canada) Inc.	John Kurylo – Site Engineer Megan Miller – Site Engineer Lawrence Borowski – Site Engineer Murry McGregor – Site Engineer Lowell Wade – Senior Engineer	No No No No Yes
	EBA Engineering Consultants Ltd.	Jeff Orr – Project Manager Jennifer Stirling – Geologist John Jaramillo – Eng. Technologist Thomas Bradshaw – Junior Engineer	No No No No
Earthworks Contractor	Nuna Logistics	Bradford Watkin – QC Manager Don Webber – Foreman Gary Sodhi – Field Engineer Georges Cornelissen – Survey Manager Jeff Roberts - Surveyor Jim Cardinal – Foreman Kevin Oakes – Project Engineer Kevin Kozdrowski – Foreman Margret Caley – Surveyor Matt McKay – Civil Supervisor Mike MacMaster – Surveyor Mike Price – Field Engineer Nick Stoneberger – Superintendent Doug Haverland – Area Superintendent Ron MacMaster – Surveyor Simon Chipper – Civil Supervisor Rick Peters – Foreman Dale Craig - Safety	No No No Yes No No Yes Yes No No Yes Yes Yes No Yes No Yes Yes
External Distribution List:	SRK: Seema Kang, Lowell Wade, Maritz Rykaart EBA: Nigel Goldup Nuna: Chris Petrovic JDS: Bob Prince-Wright HBML: Dave Power, Gerry Benson		
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WEATHER (ROBERTS BAY)

<http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=INUNAVUT3>

Temperature/Wind Chill (°C)	6AM:-31.9	12PM:-33.1	6 PM :-35.3/-44.2	12 AM:-35.3
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Clear and sunny		Night Shift: Clear and sunny. Slight winds	
Daily norms (°C)	24 hour high: -30.7		24 hour low: -35.5	

HEALTH, SAFETY AND ENVIRONMENT

- Weekly Sunday Safety Meeting attended
- Recognition was given for everyone who worked hard preparing the ice airstrip
- Should you have to travel down to the ice airstrip, do not drive over the cables laying on the ice
- Do not travel outside of marked routes. This especially applies to ice routes over the lakes
- There are new criteria for separating waste and waste management and notify waste management when dropping off any items
- Report all spills
- Safety First
 - There are new JHA cards to be filled out and signed when entering a work-site
 - Use proper PPE and tools for the job and if you observe someone not using the appropriate PPE and/or tools please kindly remind them.

COMMENTS, CORRESPONDENCE AND ACTIVITIES**DAILY MEETING WITH NUNA AND HBML TEAM:**

- The daily meet was attended by ADCO, ACI, Nuna [Nick Stoneberger, Kevin Oakes, Mike Price], Safety [Don Wold], ESR [Katsky Venter], JDS [Jerry Graham, Lloyd Jackson, Kevin Whieldon], SRK [Lowell Wade]

Topic	Status
General	<ul style="list-style-type: none"> • There is a flu going around camp so please wash your hands
Health and Safety and Environment	<ul style="list-style-type: none"> • Ensure there are spill kits for each piece of portable equipment as well as larger spill kits at hand within the work site. • Clarification for spill containment for all portable equipment is required. • Please stake out the footprint of all active work areas to ensure there is no unnecessary disturbance of the tundra • It was asked if the dirty snow removed from the North Dam could be pushed further out into Tail Lake so that the suspended granular material is not visible above the water surface once the ice melts. The dirty snow has been pushed to the extents of the grounded ice within Tail Lake as the ice has not been profiled at this time.
North Dam	<ul style="list-style-type: none"> • Geotech Lab has light and heat • Clearing of snow has been completed • Removal of 5/8" clear material over the frozen core material has started. The 5/8" clear material will be mixed with the ROQ being stripped back along the upstream side of the keytrench and placed in lifts within the downstream footprint of the dam • Work on the Frozen Core Plant continues hopefully it will be started up today

SURVEY:

Required	•
Data Received	•
Outstanding	•
Upcoming	•

NORTH DAM/FROZEN CORE PLANT PAD:

- During Night Shift the HDPE protective liner and the GCL liner along the upstream crest of the key trench was exposed and torn.
- The extent of the damage is unknown at this time. Where damaged GCL liner has been observed is shown on the attached sketch at the end of this report. The liner will be exposed to evaluate the extent of the damage and to repair the GCL.
- During the Night Shift two Ground Temperature Cables supported by vertical steel pipes fell over. The cables were not physically damaged and readings were taken to confirm all thermistor beads functioned.
- The Geotechnical Laboratory is ready to be put into operation.
- Based on accessibility, some of the ground temperature cables installed in the North Dam were read.

Bead No.	Ground Temperature Cable Temperature (°C)			
	ND-VTS-085-KT	ND-HTS-085-25.3	ND-HTS-0040-31.5	ND-VTS-060-DS
1	-13.19	-8.68	-16.39	-9.92
2	-11.83	-11.18	-21.10	-8.72
3	-10.48	-14.97	-23.23	-7.70
4	-8.18	-16.60	-23.33	-6.19
5	-6.77	-17.39	-22.95	-5.18
6	-6.22	-17.32	-21.37	-4.74
7	-6.26	-15.99	-17.08	-4.85
8	-6.61	-13.07	-15.61	-5.35
9	-6.91	-10.08	-15.96	-5.91
10	-7.26	-7.86	-19.38	-6.48
11	-7.37			-6.62

GENERAL:

- Nuna held a North Dam SOP / information session at noon. The purpose was to:
 - To explain the function of a frozen core dam
 - To explain the construction sequence
 - To explain the importance of the liner system and the instrumentation

MATERIAL TESTING:

Item	Area	Sample ID/File Name	Notes
Sampling & Testing Completed	Frozen Core Plant /North Dam	•	
Sampling Required	North Dam/Frozen Core Plant	•	

QUANTITIES:**April 28, 2011**

Material Type	From	To	Daily Total
3:2 FCM			
5/8" Clear			
FCM Reject			
Blended Crush			
Snow			
ROQ			

PHOTOS:

Photo 1: Removal of the 5/8" clear material and the ROQ from the upstream side of the keytrench. The mixed material is placed within the downstream footprint of the dam. The dirty snow pile, within Tail Lake, is visible on the left side of the photo.



Photo 2: The dozer pushing the 5/8" clear material to the excavator with then mixes it with ROQ when loading the haul truck.



Photo 3: The blended material being placed in lifts within the downstream footprint of the dam.



Photo 4: Exposed HDPE and GCL are shown in the foreground. At this point in time the extent of the damage is unknown.



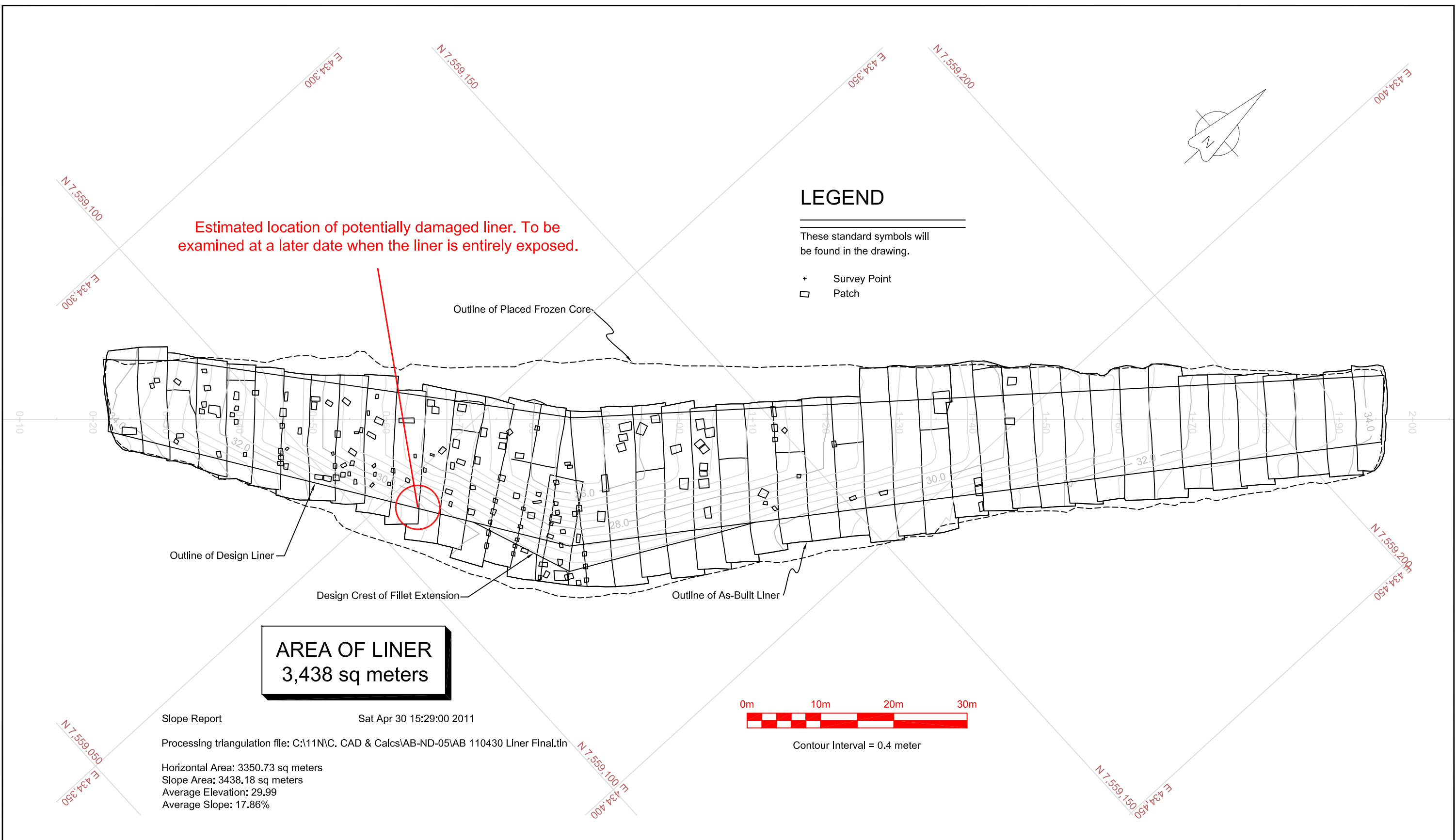
Photo 5: A closer inspection of the exposed GCL.



Photo 6: Work on the infrastructure at the Primary Vent Raise continues.



Photo 7: Work on the Permanent Power Plant also continues.



Estimated location of potentially damaged liner. To be examined at a later date when the liner is entirely exposed.

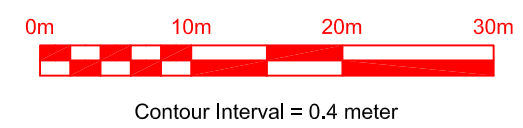
LEGEND


These standard symbols will be found in the drawing.

- + Survey Point
- Patch

AREA OF LINER
3,438 sq meters

Slope Report
Sat Apr 30 15:29:00 2011
Processing triangulation file: C:\11N\C. CAD & Calcs\AB-ND-05\AB 110430 Liner Final.tin
Horizontal Area: 3350.73 sq meters
Slope Area: 3438.18 sq meters
Average Elevation: 29.99
Average Slope: 17.86%



NOTES: For clarity purposes, the outline of the design liner is only shown to the top of the slope.	OWNER: NEWMONT NORTH AMERICA Hope Bay Mining Ltd.	PREPARED BY: NUNA Contracting Ltd. 9839 - 31 Avenue Edmonton, AB T6N 1C5		NORTH DAM CONSTRUCTION	
	PROJECT: Doris North Project, Hope Bay, Nunavut	DRAWN BY: GC	SCALE: 1 : 500	DATE: May 03, 2011	DRAWING TITLE: As-Built Drawing of Placed Liner
DRAWING NAME (YYYYMMDD) SM 120108 Traces of Liner.dwg AB 110430 Liner Final.dwg					