

DAILY REPORT #116 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Lowell Wade	Date:	2012.04.30
Reviewed by:		Project #:	1CH008.058.0320
Role	Company	Personnel – Position	On Site
Client	Hope Bay Mining Limited (HBML)	Angela Holzapfel – ESR Compliance Manager David Vokey – ESR Coordinator Dean Wold - Safety Jill Turk – ESR Coordinator Katsky Venter – ESR Manger Michelle Tanquay – ESR Site Manager Stirling Kelly – HSLP Advisor	No No No Yes Out No Yes
	JDS	Doug Fielding – Construction Manager Ishan Fechter – Construction Coordinator Jerry Graham – Construction Manager Mark Valeriot – Construction Manager Calvin Goldschmidt – Construction Coordinator	No No Yes No Yes
Engineering Design Consultants	SRK Consulting (Canada) Inc.	Lowell Wade-Site Engineer Lawrence Borowski – Site Engineer	Yes No
Earthworks Contractor	Nuna Logistics	Doug Haverland – Area/Site Superintendent Gary Sodhi – Field Engineer Georges Cornelissen – Survey Manager Jeff Roberts - Surveyor Jim Cardinal – Site Services Foreman Mike MacMaster – Surveyor Mike Price – Field Engineer Rick Peter – Foreman Trevor Sorken – Area/Site Superintendent	No In Yes No Yes No Out Yes Yes
External Distribution List:	SRK: Maritz Rykaart, Lowell Wade, Seema Kang, Silkie Wong EBA: Robert Zschuppe ; Nuna: Chris Petrovic; HBML: Dave Power		
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WEATHER (ROBERTS BAY)

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

Temperature/Wind Chill (°C)	6AM: -10.6/-19.3	12PM: -8.7/-15.4	6 PM: -10.0/-16.6	12 AM: -11.7
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Overcast, slight winds from the NW. Light snow		Night Shift: N/A.	
Daily norms (°C)	24 hour high: -8.6		24 hour low: -11.2	

HEALTH, SAFETY AND ENVIRONMENT

- Ravens were spotted along the Doris-Windy Road and by the North Dam.

COMMENTS, CORRESPONDENCE, AND ACTIVITIES

DAILY MEETING WITH NUNA AND HBML TEAM:

- The daily meeting was attended by Nuna [Trevor Sorkin], ESR [Katsky Venter], JDS [Jerry Graham, Calvin Goldschmidt], SRK [Lowell Wade], HBML [Stirling Kelly]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> Safety: <ul style="list-style-type: none"> It is very slippery due to melting and re-freezing snow ESR: <ul style="list-style-type: none"> No incidents The seacans containing hydrocarbons to be moved into the Quarry 1 Fuel Tank Farm. There are approximately 78 seacans. The seacans will only be single or double stacked to limit bearing pressure on the liner. The 45 gallon drums currently in the Quarry 1 Fuel Tank Farm are filled with waste from Boston for back-haul NPRS questions are being answered The empty enviro tanks are not to be moved Bear response training underway A notification will be submitted that pumping of water from the Pollution Control Pond to Tail Lake will be submitted
North Dam	<ul style="list-style-type: none"> Drilling of ND-IN-120-2 without the outer steel casing will be conducted.
Water Management Structures	<ul style="list-style-type: none"> Nothing to report
General	<ul style="list-style-type: none"> Clean-up at Windy continues

SURVEY [TO BE VERIFIED]:

Required	<ul style="list-style-type: none"> The following as-built files for the North Dam: <ul style="list-style-type: none"> Final compiled ROQ surface and linework Final compiled lower GCL surface Final compiled transition material surface and linework Compiled file of thermistor cables and thermistor cable bedding material (surfaces and linework) this would be for the entire path of the thermistor cables including the information from last year. Survey monuments and any backfill materials associated with these monuments. The following as-built files for the Doris Sumps: <ul style="list-style-type: none"> Annulus crush backfill Annulus overburden backfill
Data Received	<ul style="list-style-type: none"> Received April 27, 2012 <ul style="list-style-type: none"> Diversion Berm compiled surface and linework of ROQ cover Diversion Berm compiled surface and linework of ROQ berm Received April 28, 2012 <ul style="list-style-type: none"> Diversion berm compiled surface and linework of underliner crush Diversion berm surface and linework for excavation, crush and culverts. Received April 29, 2012 <ul style="list-style-type: none"> North Dam compiled linework of upper GCL panels and patches (<i>note: the</i>

	<p><i>survey data is missing for 2.5 panels</i> (Figure 1).</p> <ul style="list-style-type: none"> ○ North dam compiled linework for lower GCL patches. • Received April 30, 2012 <ul style="list-style-type: none"> ○ Survey information for replaced Jetty thermistor ○ Final compiled as-built surface of frozen core ○ Final compiled overliner material surface and linework
Data Outstanding	<ul style="list-style-type: none"> • None
Data Upcoming	<ul style="list-style-type: none"> • The following as-built files for the North Dam: <ul style="list-style-type: none"> ○ Final surface and linework of over thermosyphon crush (after compaction) ○ Instrumentation

MULTI-BEAD GROUND TEMPERATURE CABLES

- As a reminder, the extensions for GTC's ND-VTS-175-KT and ND-HTS-175-33.5 were switched when these cables were repaired. The steel labels, secured by zap-straps, provide the correct GTC identification.
- The table below provides the as-built ground temperature cable [SRK-JT2-12] bead elevations

Roberts Bay Ground Temperature Cable SRK-JT2-12				
	Northing	Easting	Elevation (m)	Bead Spacing (m)
Road Surface			1.75	
Collar of hole	7563259.538	432550.407	1.44	
1st bead	7563259.538	432550.407	1.14	
2nd bead	7563259.538	432550.407	0.54	0.6
3rd bead	7563259.538	432550.407	0.14	0.4
4th bead	7563259.538	432550.407	-0.36	0.5
5th bead	7563259.538	432550.407	-0.86	0.5
6th bead	7563259.538	432550.407	-1.86	1.0
7th bead	7563259.538	432550.407	-4.36	2.5

WATER MANAGEMENT

- Nothing to report

DAM SHELL:

- Drilling of ND-IN-120-2 completed and inclinometer casing installed (Figure 2):
 - Collar elevation = 34.992 m
 - Bottom of inclinometer casing elevation = 24.6 m [10.4 m]
 - Hoe drill using a 6" drill bit and no casing had no problems drilling to 13.0 m depth.
 - Snow was added to the borehole and allowed to melt and re-freeze to make sure the ROQ did not collapse into the borehole. Once the drill passed through the ROQ into the overburden, the marine silts and clays were used to "smear" the sides of the borehole to keep it open
 - The drill steel was lost down the borehole twice but was eventually retrieved
 - The inclinometer casing was assembled and lowered to the correct bottom elevation in the borehole and held in-place by hand.

- Manufactured fines [i.e. core material] was slowly poured down the sides of the borehole while the inclinometer casing was gently lifted up and down until it firmly sat on the bottom of the borehole at the correct depth.
- Core material and water were slowly pored around the inclinometer casing to 1.5 m below the collar elevation. The inclinometer casing was gently tapped during the backfilling process to prevent any bridging of back-fill material.
- A 4" Schedule 40 protective housing was installed over the inclinometer casing. The protective house extends 1.5 m below the surface elevation and 1.1 m above grade.
- A protective cap has yet to be manufactured.
- Drilling of ND-IN-120-1 was started late in the day and was advanced to 6 m

GENERAL

- A pipe sleeve was installed across the Secondary Road by Pad F
- Clean-up at Old Windy Cam and at Major's Drill Shop at Patch continues.

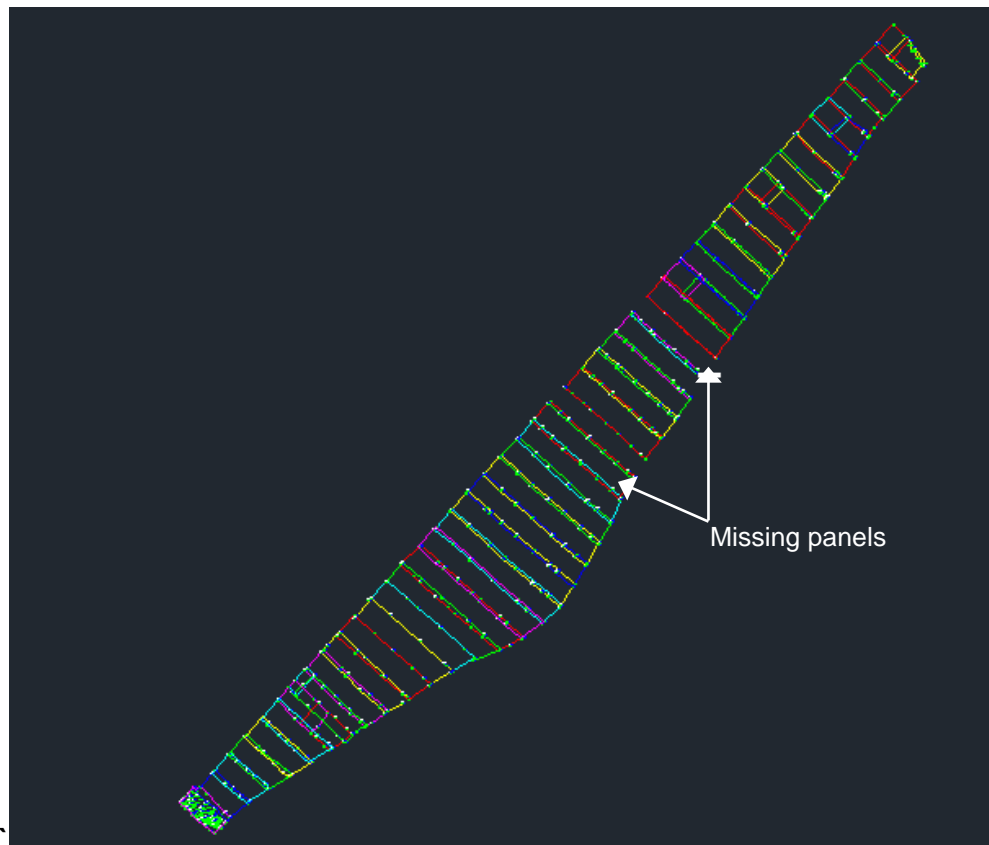
FIGURES

Figure 1: Missing as-built Upper GCL panel linework for the North Dam.



Project No. 104008.038.0320 Site Hope Bay
 Prepared by L. Wade Date April 30 2012
 Approved by _____ Date _____

Subject ND-IN-120-2

Sheet _____ of _____

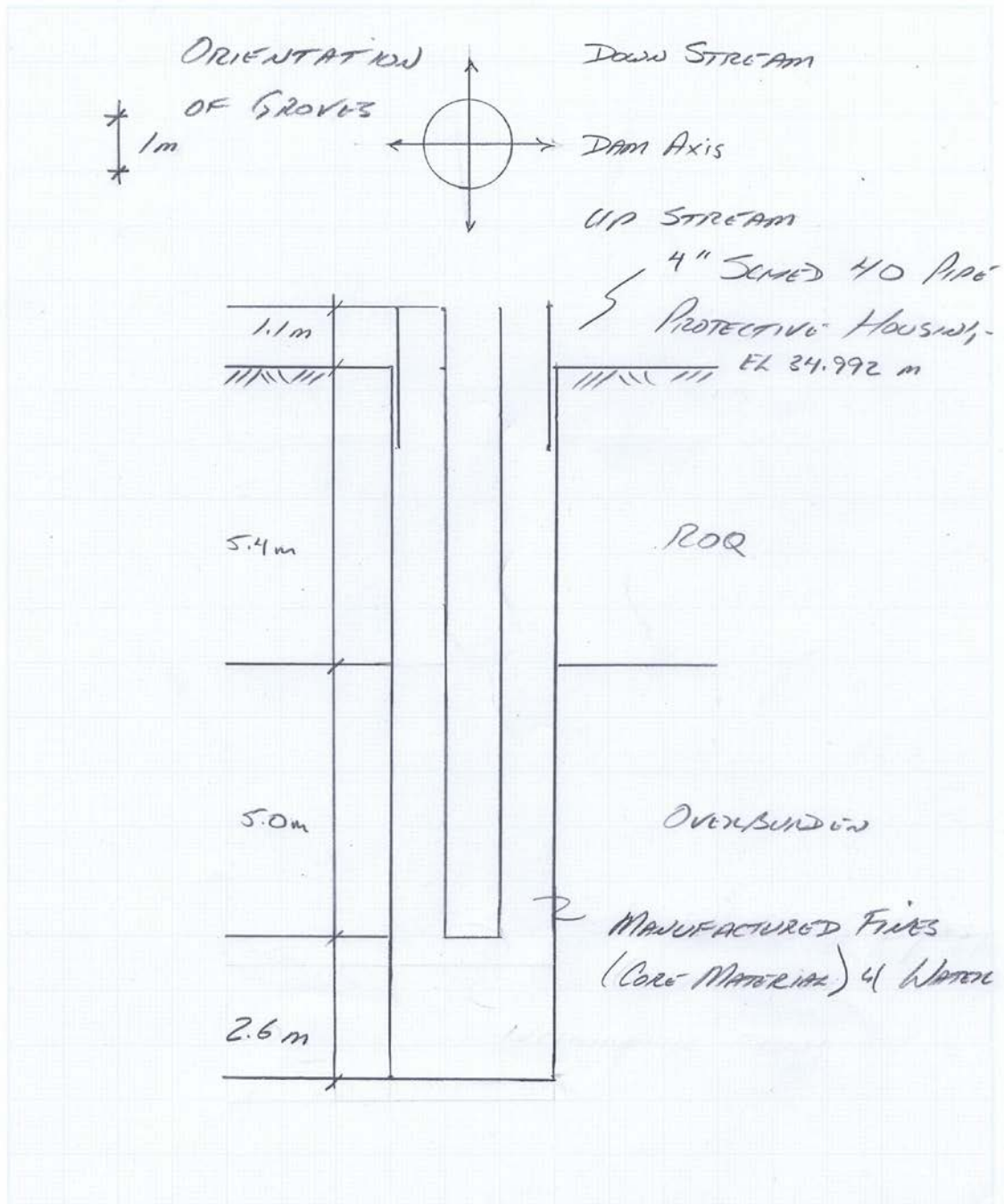


Figure 2: As-built of slope indicator casing installation for ND-IN-120-2.

PHOTOS



Photo 1: GTC ND-HTS-175-33.5 correctly labelled.



Photo 2: GTC ND-VTS-175-KT correctly labelled.



Photo 3: Inclinometer casing back-filling operations.



Photo 4: The 4" Sced 40 protective housing installed. The Inclinometer casing to be cut to final elevation and the protective steel cover yet to be manufactured.