

DAILY REPORT #121 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Lowell Wade	Date:	2012.05.05
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 Yes Yes No No No
	JDS	Doug Fielding – Construction Manager Ishan Fechter – Construction Coordinator Jerry Graham – Construction Manager Mark Valeriot – Construction Manager Calvin Goldschmidt – Construction Coordinator	No Yes Yes No No
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	Yes Yes Yes No Yes No No Yes No
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WEATHER (ROBERTS BAY)

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

Temperature/Wind Chill (°C)	6AM: -6.3	12PM: -3.0/-8.0	6 PM: 1.0/-2.0	12 AM: -4.3/-5.6
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Sunny, clear, calm		Night Shift: N/A.	
Daily norms (°C)	24 hour high: 2.2		24 hour low: -8.6	

HEALTH, SAFETY AND ENVIRONMENT

- Wolverine spotted at the South end of the Doris Airstrip heading south
- Arctic hare tracks observed by the Doris Creek Bridge
- Three caribou being followed by a wolf spotted by Old Windy Camp

COMMENTS, CORRESPONDENCE, AND ACTIVITIES

DAILY MEETING WITH NUNA AND HBML TEAM:

- The daily meeting was attended by Nuna [Doug Haverland], ESR [Jill Turk], JDS [Jerry Graham, Ishan Fechter], SRK [Lowell Wade]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> • Safety: <ul style="list-style-type: none"> ○ Doris North Fuel Module walk-through scheduled today • ESR: <ul style="list-style-type: none"> ○ Question asked if melt water captured in the containment berm at Windy be transferred to Tail Lake after it has passed through the oil/water separator. Will have to look at the Water License. ○ Last year melt water was observed in the containment berm in early June ○ Question asked when does Tail Lake become ice free so the intake for the discharge pump can be installed ○ SRK's Barrel Tests at Windy will not be moved at this time ○ The registration numbers of the empty and moved enviro-tanks to be recorded
North Dam	<ul style="list-style-type: none"> • Deep Settlement pipes to be installed • The protective housings and covers for the ND-DSP's to be fabricated • ND-IN-070-1 Inclinometer Installations to be completed. • The remaining large ROQ boulders to be placed for Surface Survey Point installation. • Survey pins in the Surface Settlement Points to be installed • Survey control points around the abutments of the North Dam to be installed
Water Management Structures	<ul style="list-style-type: none"> • The Water Management Plan is being reviewed • The insta-berm at Windy is being inspected • A water level marker along the shoreline of Tail Lake to be installed
General	<ul style="list-style-type: none"> • Buffalo flights to airlift the 50,000 lbs of Calcium Chloride underway.

SURVEY:

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 [CAD processing upcoming] 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. [CAD processing upcoming] Survey monuments and any backfill materials associated with these monuments. [CAD processing upcoming] The following as-built files for the Doris Sumps: <ul style="list-style-type: none"> Annulus crush backfill [Field records to be reviewed] Annulus overburden backfill [Field records to be reviewed]
Data Received	<ul style="list-style-type: none"> Cover material over thermosyphons leading to the radiators
Data Outstanding	<ul style="list-style-type: none"> The following as-built files for the North Dam: <ul style="list-style-type: none"> Final compiled transition material surface and linework [CAD processing upcoming]
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

- Nothing to report

WATER MANAGEMENT

- The snow around the berms at Windy is being removed
- The Windy Shop is being cleaned up

DAM SHELL:

- ND-IN-070-1 was drilled and the Inclinator Casing installed. The dummy probe was used to confirm both grooves were functional (Figure 1).
- The remaining six ND-SSP large ROQ boulders were installed. The survey pins to be installed tomorrow.
- Survey control points on bedrock outcrops on the east side of the dam to be installed tomorrow.
- ND-DSP-100 deep settlement pipe was installed [Borehole log to follow]. The outer steel casing to be welded to 1.1 m above grade and protective cap to be fabricated.
 - The Deep Settlement Pipe was fabricated for 6 m lengths of 4" Vitriolic pipe was welded together and the ends sealed
 - The Deep Settlement Pipe was then lifted into place, using the excavator, and used to sound the borehole.
 - It was determined the borehole had re-opened to the drilled depth of 12.8 m
 - While the Deep Settlement Pipe was then suspended, at the correct elevation, ¾" crush material was poured down the annulus until the Deep Settlement Pipe was supported by the back-fill material.
 - The Deep Settlement Pipe was finally used to compact the back-filled borehole to make sure it was founded on firm material.
- General clean-up and compaction around the dam continues.

GENERAL

- The low spot along the Doris-North – North Access Road was re-surveyed. The deficient area is smaller than originally surveyed and most of the area is to-grade. The small area will be dressed, re-graded and a final survey completed.
- The low spot along the top of the berm within the Doris North Fuel Tank Farm is currently covered by a large snow drift. Once the snow has melted a load of material will be brought in to address this deficiency.

FIGURES



Project No. 104008.038.032 Site Huay Bay
 Prepared by J. W. Lee Date May 5, 2012
 Approved by _____ Date _____

Subject ND-IN-070-1 Sheet 1 of 1

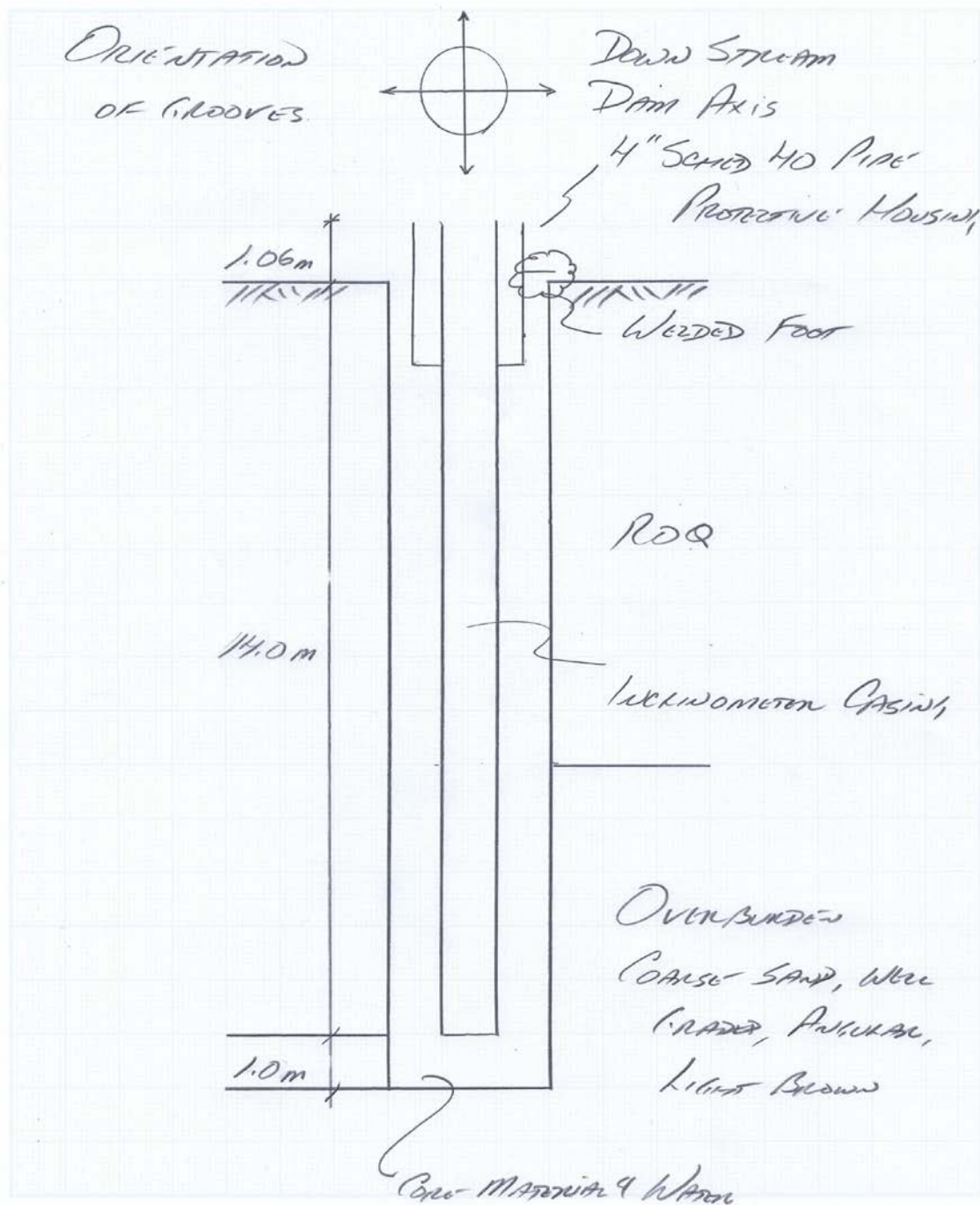


Figure 1: Borehole log for ND-IN-070-1

PHOTOS



Photo 1: Doris North Camp from the 2010 Construction Photo Point. The snow is melting with the warm temperatures and longer daylight hours.



Photo 2: Installation of the last Inclinometer Casing into ND-IN-070-1.



Photo 3: The Deep Settlement Pipe being lowered into the outer steel casing of ND-DSP-100.



Photo 4: Downstream face of the North Dam.