



32D12SE0088 OM92-091 HOLLOWAY

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SUMMARY REPORT ON DIAMOND DRILLING

February 1 - August 30, 1991

HEMLO GOLD - FREEWEST J.V.

HOLLOWAY AND TEDDY BEAR PROPERTIES

NORANDA EXPLORATION COMPANY, LIMITED
(no personal liability)

29 November, 1991
Timmins, Ontario

Peter Cooper
Sr. Project Geologist



32D12SE0088 OM92-091 HOLLOWAY

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5900E
5950E
6000E
6050E
6100E
6200E
6350E

INTRODUCTION

This report presents a summary of diamond drilling results from the Hemlo Gold-Freewest Joint Venture (J.V.) Holloway Project, for the period February 1 to August 30, 1990. The work was performed by project operator Noranda Exploration Company, Limited, and constitutes part of a larger program involving delineation of and reserve definition within the Lightning Zone (LZ) gold deposit.

PROPERTY LOCATION AND ACCESS

The Holloway Project, comprising the contiguous Hemlo Gold-Freewest and Hemlo Gold-Freewest-Teddy Bear properties, is located 60km east of Matheson and 65km north of Kirkland Lake, Ontario (Figure 1). The properties straddle the Harker-Holloway township boundary and Highway 101, within 0.5km of American Barrick's Holt-McDermott gold mine, to the south. Access to either end of the project site is provided by short (<1km) gravel roads north from Highway 101.

TOPOGRAPHY AND OVERBURDEN

Topography on the properties is very gentle with maximum relief of 3 to 4 meters over a 50m horizontal distance. Using a 300m datum, drill hole collar elevations range from 287m in the southern part of the property, around Highway 101, to 313m in the northern part. An extensive overburden cover consisting of lacustrine varved clays overlying a basal sandy to bouldery till is generally 10-15m thick, but increases to 35-40m thick to the south.

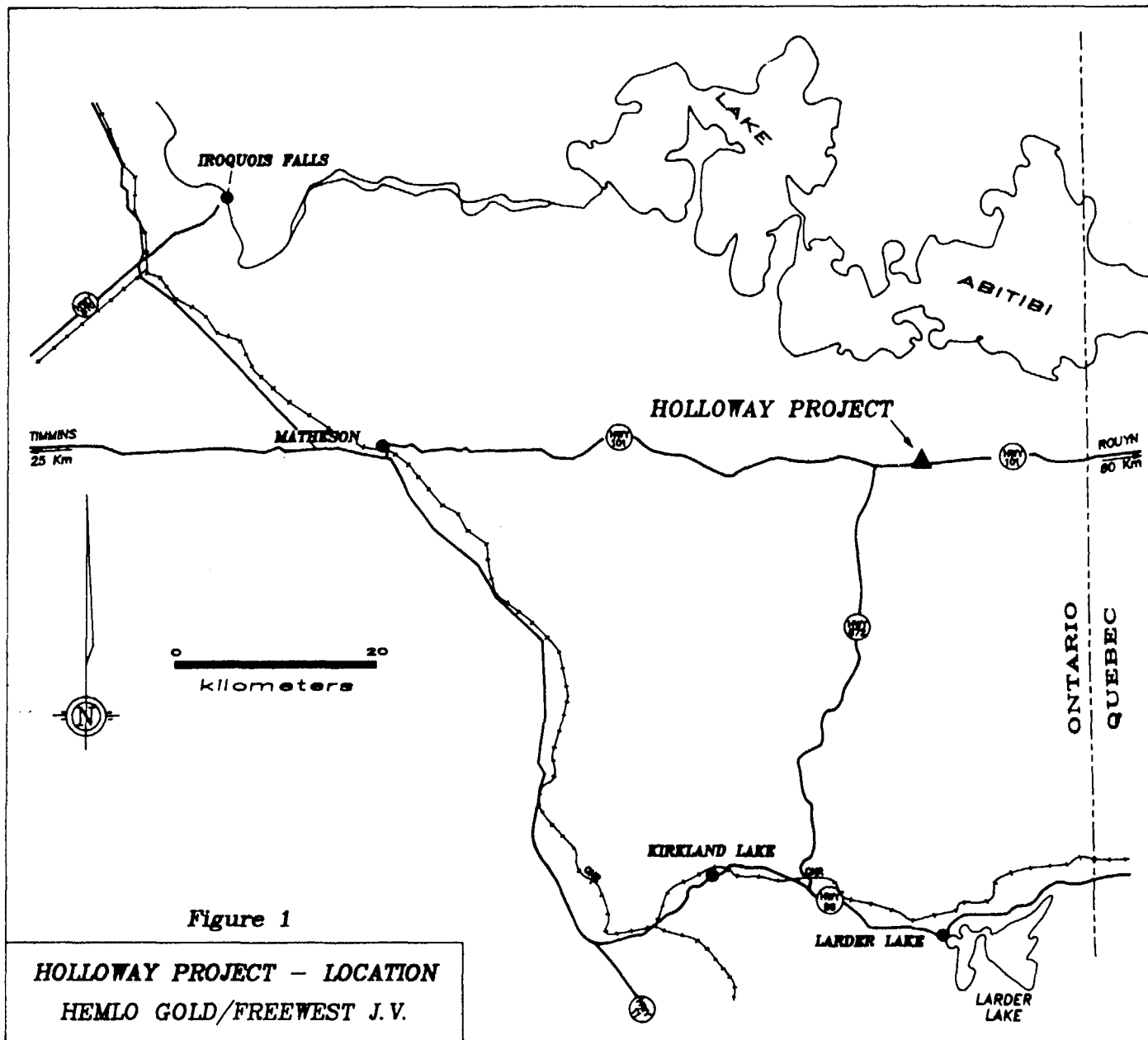


Figure 1
HOLLOWAY PROJECT - LOCATION
HEMLO GOLD/FREEWEST J.V.

The area supports a mixed forest comprising poplar, birch, black and white spruce and balsam. Low ground is dominantly tag alder swamp.

The east-northeast draining Mattawasaga River is located between Highway 101 and the Holt-McDermott mine site, to the south of the properties. A tributary of the Lightning River flows northward from an area approximately 2kms north of the project site. Both rivers flow into Lake Abitibi, located approximately 10km north of the properties. Holloway Lake, the largest body of standing water in the area and the major water source for the Holt-McDermott mine, is located 3kms east of the properties, along the south side of Highway 101.

PROPERTY STATUS

The Holloway Project encompasses three separate but contiguous claim groups (Figure 2). These include the Mining Corporation, Cadden and Teddy Bear. The Mining Corporation and Cadden claims are known collectively as the Holloway Property (Hemlo Gold-Freewest Property). Pursuant to a November 1986 agreement, Freewest has earned a 40% (J.V.) interest in the Holloway Property. In August 1989, Noranda entered into an agreement with Newmont Mines Ltd. to J.V. their interest in the Teddy Bear Property, and become operator. In November 1989, the Noranda-Freewest J.V. agreement was expanded to include the Teddy Bear Property, thereby allowing Freewest to earn 40% of Noranda's interest. The property became a J.V. with Noranda-Freewest-Newmont having a 60% interest and Teddy Bear Valley Mines Limited a 40% interest.

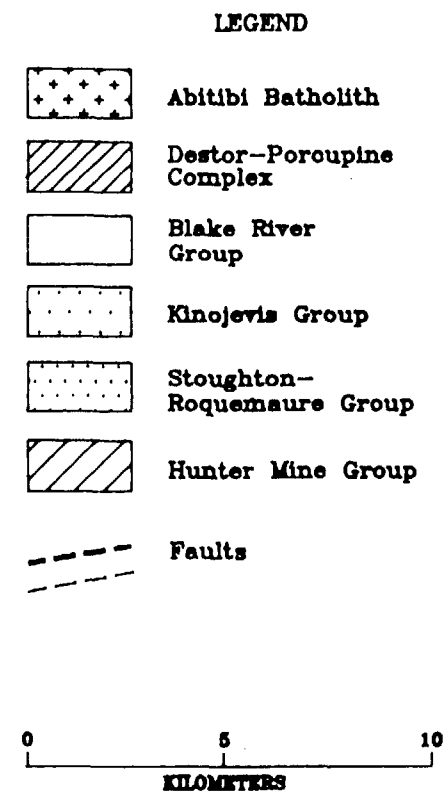
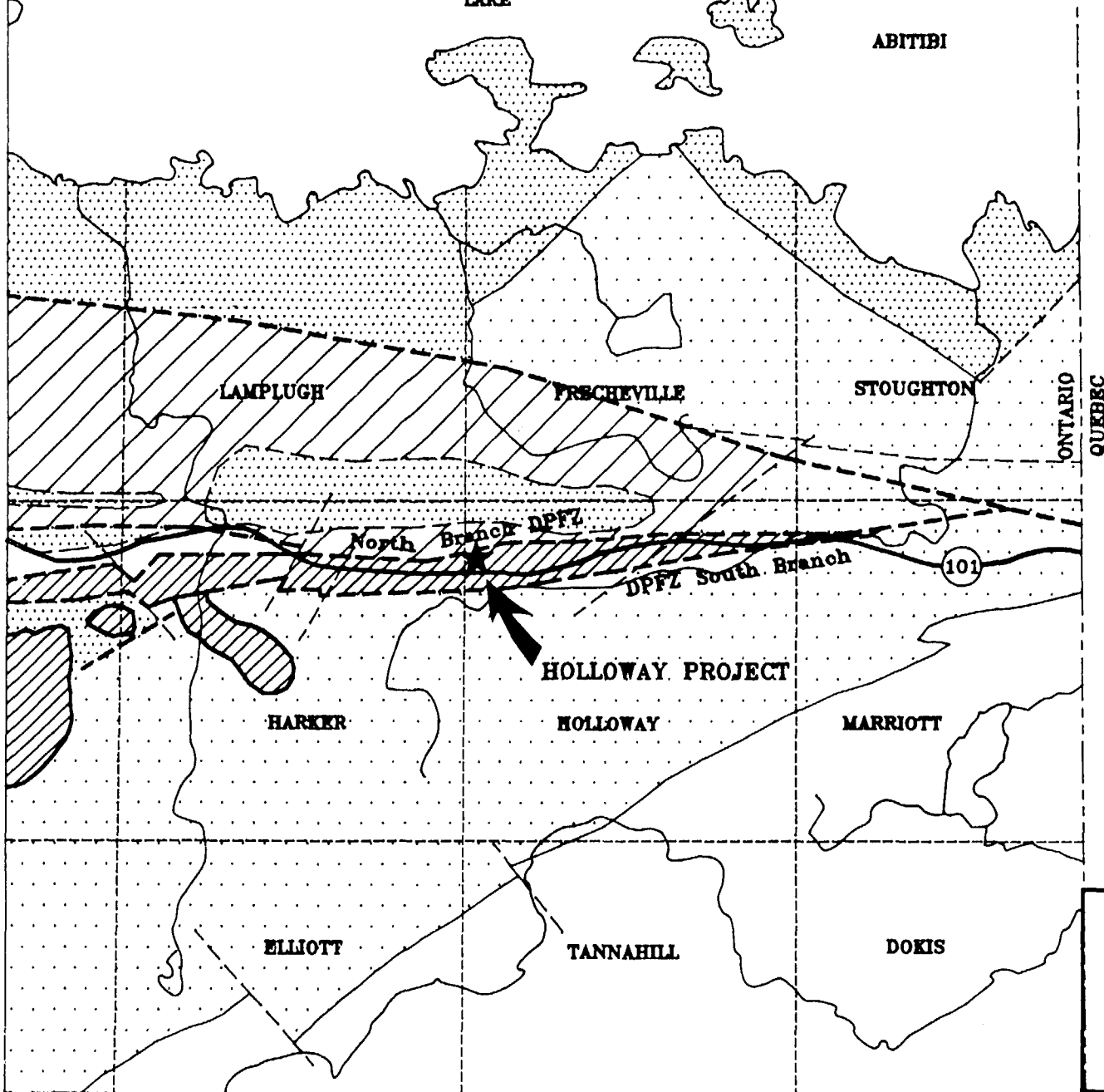


Figure 3.
HOLLOWAY PROJECT
 Regional Geology
 Hemlo Gold/Freewest J.V.
 (after Jenson and Langford, 1985)

Under the terms of a recent agreement, Hemlo Gold Mines has acquired 100% of Noranda's interests in the constituent properties. Hemlo-Freewest-Newmont have the option to increase their interest in the Teddy Bear property to 70% by completing further work.

EXPLORATION HISTORY

Prospecting in the "Lightning River Area" (Harker and Holloway townships) dates back to 1907-08, with the efforts of Russell Cryderman, William Cooper and William Woodney. By early 1922 most of the eastern half of Harker and the western half of Holloway townships had been staked and several Au showings were being explored, including those of McDermott (at what is now American Barrick's Holt McDermott Mine), Seagers (on what is now the Teddy Bear Property) and Cryderman (on what is now the Holloway Property). All of the claims comprising the current Holloway Project were staked by this time and would be explored over the ensuing couple of years. None of this early work on either property was focused on what would become known as the LZ.

The first work program on the Holloway Property performed under the terms of the November 1986 agreement with Freewest, took place between January and October 1987, and consisted of 23 diamond drill holes totalling 5,781.9m. The program was designed to evaluate a sequence of mafic volcanics and the lower mafic/ultramafic contact, known to host significant alteration and erratic gold mineralization. A single hole (88-27) was drilled in September-October 1988 to vest Freewest at 40%.

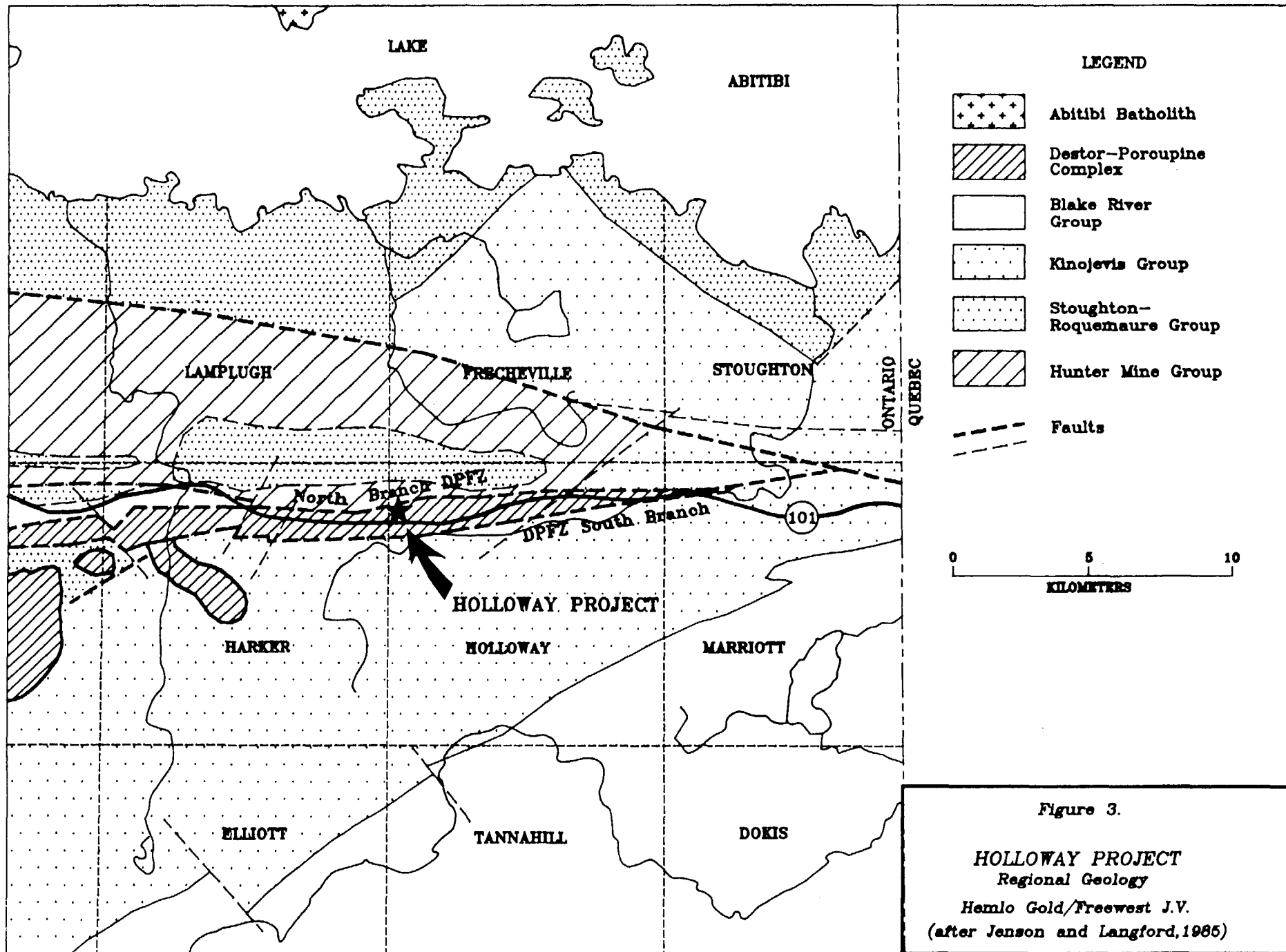
On the Teddy Bear Property, two drilling campaigns were completed by Newmont in 1987, testing features across the property. In 1988, a further eight holes (3,878.0m) were completed, all but one of which tested the LZ.

The first LZ intersections of significance came in 1988, on both properties. Newmont hole 88-2 intersected 11.2 gpt Au over 9.9m at a vertical depth of 325m and Noranda-Freewest hole 27 intersected 6.0 gpt Au over 17.5m at a vertical depth of 375m. The holes were drilled approximately 300m apart along strike.

Noranda-Freewest assumed control of the Teddy Bear property from Newmont in August 1989 and proceeded with a program of diamond drilling that continued through 20 months, winding up in June 1991. Since November 1986, the Noranda-Freewest J.V. has drilled 167 holes, totalling 81,040 metres on the combined Holloway-Teddy Bear properties.

GENERAL GEOLOGY

Regionally, the deposit occurs within rocks of the fault-bound Destor-Porcupine Complex (Jensen and Langford, 1985), dominated by tholeiitic to komatiitic volcanics with intermixed greywacke and Timiskaming-type conglomerate (Figure 3). The LZ occurs at the base of a central sequence of Fe-tholeiite flows, 30-150m thick, which are underlain by mixed komatiite and tholeiite flows. Regional metamorphism has produced typical greenschist facies assemblages.



Within the Host Tholeiites, massive flows are generally leucoxenitic, the majority of flows have well-developed flow top facies and all flow facies are locally variolitic. Varioles are most abundant within three unusually thick hyaloclastite horizons located at the top, centre and base of the sequence. These hyaloclastite horizons consist of interbedded cm to m thick units of hyaloclastite, flow top breccia, autobrecciated flow and minor massive flow.

The lowermost hyaloclastite horizon of the Host Tholeiites is referred to as the LZ Stratigraphy, which locally attains a thickness of 40-50m. The LZ gold deposit is a broadly conformable, roughly tabular zone of pyritic Au mineralization within this horizon. Variolitic hyaloclastite is the dominant host lithology to Au mineralization. Massive flow is locally mineralized where interbedded with or adjacent to (across and along strike) thick hyaloclastite.

LZ ALTERATION AND MINERALIZATION

Two main alteration facies affect the LZ stratigraphy: sericite-ankerite and albite-quartz. Both may be Au bearing where pyritic. These main facies have a consistent distribution such that albite-quartz forms a highly altered core, enveloped by sericite-ankerite. This distribution is seen at both the deposit scale and locally around related veins. Hematitic subfacies of both occur but are never Au-bearing. Ankerite is widespread through the least-altered portions of the Host Tholeiite sequence, within the strike extent of the deposit.

The thickness of albite-quartz alteration as the core of the deposit is controlled by the thickness of the host variolitic hyaloclastite. It may affect the entire sequence, attaining thicknesses of 40-50m.

As an envelope to the albite-quartz core of the deposit, sericite-ankerite alteration ranges in thickness from 1 to 25m. Distal to the deposit, sericite facies alteration affects lithologies at the LZ stratigraphic level up to 350m up-dip and up-plunge from economic grade mineralization and at least 300m along strike.

LZ Au mineralization is associated with fine-grained (<1mm) sub-to euhedral py that on average constitutes 5 to 10% of the rock. There is a general correlation of Au grade with py content. Visible gold is characteristically absent. The bulk of the Au is associated with "clustered" py (massive veinlets and stringers, dense vein haloes, irregular clumps).

Mineralization within the albite-quartz LZ core is characterized by pyrite veins which commonly describe a stockwork pattern.

AUXILIARY MINERALIZATION

Four minor gold zones distinct from the LZ have been encountered in drilling. From south to north (down-stratigraphy), they are the:

- (a) Seagers' Hill Zones (no reserve defined)
- (b) Upper Contact Zone (50 Vein) (no reserve defined)
- (c) Middle Zone
- (d) Footwall Zones (no reserve defined)

Gold values greater than 1.0 gpt are encountered locally within discontinuous alteration zones elsewhere in the Host Tholeiites and in the overlying greywacke-argillite sequence.

Middle Zone (MZ)

The MZ occurs in the centre of the host tholeiite sequence, stratigraphically above the LZ. It is characterized by vein-related mineralization in sericitized flows, and generally lacks the intense albite-quartz alteration associated with the LZ. The MZ alteration has been traced intermittently along strike for approximately 1.2km.

Gold occurs in association with 1 to 10% pyrite in the alteration haloes of quartz \pm albite \pm ankerite veins. MZ mineralization is generally erratic and widths are narrow. A small reserve has been defined.

Significant intersections in holes 73 and 73W occur in a structurally thinned portion of the Host Tholeiites and are of uncertain relationship to the MZ and LZ (see section 5700E).

SUMMARY OF DRILLING RESULTS

During the period February 1 to August 30, 1991, approximately 11,834 metres of NQ drilling was completed in 19 holes. This total includes holes collared at surface (e.g. HW-91-136) and those wedged from them (e.g. HW-91-136W, 136X, 136Y).

The drilling focused on evaluating the easterly strike and plunge extent of the LZ deposit (ie. east of 5900E). Two holes (73W, 107W) were drilled on section 5700E to evaluate stratigraphy underlying the LZ. A summary of assay results from the LZ is presented as Table I.

Complete drill logs, survey records and assay records are presented as Appendix A. The assay records show three columns of assay data. Columns "R1" and "R2" represent analyses of separately prepared pulps from a single sample interval. Column "Au gpt" represents the arithmetic average of R1 and R2 or, for those samples analyzed only once, the only assay value.

Cross-sections displaying the drill hole data are presented as Appendix B.

TABLE 1.

Summary of LZ Assays

February 1 to August 30, 1991

<u>Hole</u>	<u>LZ Coordinates</u>	<u>From</u> - <u>To</u>	<u>Length</u>	<u>Au gpt</u>
73W	5702.2E 4728.9N -334.7 el	356.4 - 362.1	5.7m	5.3 gpt
107W	5704.7E 4653.7N -554.2 el	577.25 - 584.0	6.75m	20.7 gpt
130Y*	5905.0E 4680.5N -553.4 el	553.1 - 571.6	18.5m	6.3 gpt
134*	5951.8E 4750.7N -428.0 el	430.8 - 431.2	0.4m	0.9 gpt
136*	5885.5E 4630.2N -711.9 el	703.0 - 754.4 incl.	51.4m 10.2m	3.7 gpt 4.7 gpt
136W	5887.9E 4640.0N -617.8m	643.0 - 645.0	2.0m	5.3 gpt
136X	5880.9E 4659.9N -580.3 el	607.3 - 626.4 incl.	18.9m 7.1m	4.7 gpt 6.1 gpt
136Y	5934.2E 4633.2N -603.3 el	629.0 - 629.5	0.5m	1.0 gpt
137*	5991.2E 4636.7N -674.5 el	685.3 - 690.15	4.85m	5.5 gpt

Table 1. (con't)

<u>Hole</u>	<u>LZ Coordinates</u>	<u>From</u>	-	<u>To</u>	<u>Length</u>	<u>Au gpt</u>
138	5874.2E 4613.2N -766.3 el	777.4	-	792.0 incl.	14.6m 7.5m	5.6 gpt 8.0 gpt
138W	5917.3E 4631.3N -682.6 el	716.4	-	718.5	2.1m	4.2 gpt
139	5977.6E 4612.9N -783.0 el	863.5	-	864.8	1.3m	0.3 gpt
140	6097.4E 4648.7N -775.3 el	840.1	-	840.9	0.8m	6.2 gpt
140W	6087.4E 4677.2N 666.2 el	763.55	-	764.0	0.45m	4.4 gpt
141	6049.9E 4718.2N -543.2 el	549.8	-	551.7	1.9m	NSV
142	5938.3E 4579.5N -847.5 el	917.0	-	920.75	3.25m	6.2 gpt
	5936.5E 4593.3N -864.9 el	939.8	-	942.5	2.7m	5.4 gpt
143	6214.3E 4671.0N -760.4 el	829.8	-	830.2	0.4m	NSV
144	6348.2E 4701.2N -712.6 el	784.7	-	785.1	0.4m	2.6 gpt

* previously reported - hole finished during period

NSV - No significant values (<0.1 gpt Au)

CONCLUSIONS AND RECOMMENDATIONS

The latest phase of drilling has delineated the eastern strike extent of the LZ deposit, above the -800m elevation. Alteration persists at the LZ stratigraphic level, however, for at least 250m to the east (ie. HW-91-143).

The deposit remains open to depth in several areas (eg. HW-91-142). Before additional drilling is undertaken to address this depth potential, the following considerations should be made:

- (i) Determine the threshold tonnage required to justify an underground program.
- (ii) If an underground program is justified based on results to date, determine the cost effectiveness of exploring the deposit below -600m from surface versus from underground.

Peter Cooper

HEMLO GOLD MINES INC - HOLLOWAY JOINT VENTURE**MEMORANDUM**

To: R. G. Metka File HHL-10-6.2
From: R. L. Michaud
Date: November 20, 1992
SUBJECT: HOLLOWAY JOINT VENTURE UNDERGROUND VALIDATION PROJECT -
WEEKLY PROGRESS REPORT

Distribution:

I.D. Bayer	I. Atkinson	J.C. White
D.J. Libby	K.V. Konigsmann	P.P. Lintern
C. Bégin	U. Jarvi	R. Siwik
D.E. Seraphim	J. Wakeford	P. Cooper
M. Watson (Freewest Resources)		
A. Chater (Teddy Bear Valley Mines)		

Shaft sinking is continuing. A weekly detailed joint Redpath/Hemlo site inspection has been instituted for the purpose of reviewing site safety and environmental conditions. A weekly report of deficiencies and accomplishments for these two specific areas is prepared including followup on previously reported deficiencies.

Safety

The site first aid facilities are now complete and operational. At Hemlo's request, Redpath sent a senior safety representative to site last Monday to finalize the first aid facility and address other site safety issues. The representative has been on site all week and most of the issues have been addressed and corrected. Issues concerned primarily the installation of adequate numbers of fire extinguishers in all buildings, identification of WHMIS regulated items and their storage areas, as well as other minor items.

LTI: 0
MA: 1
FA: 0

Late last Friday, the camp cook (Domco employee) injured his back when he slipped transferring a pot of water from the sink area to the stove. As a precautionary measure, the employee was transported to hospital in Matheson. The injury was diagnosed as a moderate sprain of a lower back muscle and he was released from hospital. Up to this incident, the project accumulated 94 days without a serious injury (medical aid + lost time). As of 19 November, 102 days have elapsed without a lost time injury.

Environment

Zero discharges. The site area remains clean and to standards. Emergency spill response procedures have been finalized.

Manpower

Hemlo:	3
Redpath:	28
Sub-contractors:	0
 Total:	 31

Sedimentation pond

Final installation of the discharge piping will be undertaken next week. The delay in finalizing the pond discharge will not affect site activities as shaft pumping requirements have been minimal and water levels are well below current pond storage capacities.

Shaft

The shaft bottom is at 59.0 meters from top of collar as of 8:00 AM, Friday, November 20, 1992. A total of 5 jumbo rounds were blasted during the week and the shaft bottom advanced 16.3 meters, an average of 2.33 meters/day. Problems early in the week with the jumbo hydraulic system affected sinking performance but these appear to have been resolved. During the course of next week, the shaft should reach the first area of blocky ground (at a depth of 71 meters) as noted during the drilling of the shaft pilot hole. Ground support requirements through this area will be closely monitored with long term stability in mind.

Visits

Three representatives of the Haileybury School of Mines were on site for a short visit this past Saturday, November 14, 1992.

Should any clarifications and/or additional information be required, please contact Bob Michaud at (705) 567-4860.

HEMLO GOLD MINES INC - HOLLOWAY JOINT VENTURE**MEMORANDUM**

To: R. G. Metka **File HHL-10-6.2**
From: R. L. Michaud
Date: November 27, 1992
SUBJECT: HOLLOWAY JOINT VENTURE UNDERGROUND VALIDATION PROJECT -
WEEKLY PROGRESS REPORT

Distribution:

I.D. Bayer	I. Atkinson	J.C. White
D.J. Libby	K.V. Konigsmann	P.P. Lintern
C. Bégin	U. Jarvi	R. Siwik
D.E. Seraphim	J. Wakeford	P. Cooper
M. Watson (Freewest Resources)		
A. Chater (Toddy Bear Valley Mines)		

Shaft sinking is continuing.

Safety

LTI:	0
MA:	1
FA:	0

On night shift this past Tuesday, a Redpath miner was injured when a small fragment of rock was dislodged from the shaft wall when struck by the boom of the shaft mucking unit. The rock struck the miner on the face resulting in a cut to the upper lip. The injury was evaluated the next morning at the Kirkland Lake hospital and was judged not to require stitching. As of 26 November, 109 days have elapsed without a lost time injury.

Environment/Permitting

Zero discharges. The site area remains clean and to standards. Accumulated water presently being stored in the sedimentation ponds are nearing pond capacity and effluent flow is expected to begin next week. Arrangements have been undertaken for the analysis of weekly effluent samples.

A meeting was held in Timmins with the Ministry of the Environment this past Thursday to discuss the site water supply. Flow measurements indicate that the water supply is capable of generating 54,500 litres per day, slightly above the volume where no take-water permit is required (less than 50,000 litres per day). Documentation for the permit application is in hand and will be submitted to the Ministry in early December.

Cleanup of the deadfall timber and brush in the vicinity of the access roads and site platform is continuing.

Manpower

Hemlo:	3
Redpath:	25
Sub-contractors:	0
Total:	28

Sedimentation pond

Final installation of the discharge piping was completed this week. The only outstanding items in this area include construction of a sampling point access staircase and placement of the rip-rap material on the downstream side of the relief channel. This work will be completed before the end of the month.

Shaft

The shaft bottom is at 77.2 meters from top of collar as of 8:00 AM, Friday, November 27, 1992. A total of 5 jumbo rounds were blasted during the week and the shaft bottom advanced 18.2 meters, an average of 2.60 meters/day. Poor ground conditions were encountered at a depth of 66 meters which has slowed excavation performance due to the need for additional ground support (grouted rebar and straps instead of mechanical rockbolts). Drilling performance has been reduced due to the presence of mud slips which causes the drill rods to easily jam in the hole. The depth of the drill rounds has also been temporarily shortened to limit blasting problems caused by cross-propagation between drill holes. The ground conditions encountered are as predicted from the shaft pilot hole and are expected to continue to a depth of 102 meters.

Three water rings were installed this week to control water inflows in the upper area of the shaft.

Visits

Rob Melka, Vice-president - Projects, and Mike Nadon, Vice-president - Contracting, each spent the day on site this past Tuesday and Wednesday respectively. On Wednesday, Bruce Galt of the Ontario Ministry of Labour was on site for a general inspection (no problems noted).

Should any clarifications and/or additional information be required, please contact Bob Michaud at (705) 567-4860.



HEMLO GOLD MINES INC - HOLLOWAY JOINT VENTURE**MEMORANDUM**

To: R. G. Metka **File HHL-10-6.2**
From: R. L. Michaud
Date: December 04, 1992
SUBJECT: HOLLOWAY JOINT VENTURE UNDERGROUND VALIDATION PROJECT -
WEEKLY PROGRESS REPORT

Distribution:

I.D. Bayer	I. Atkinson	J.C. White
D.J. Libby	K.V. Konigsmann	P.P. Lintern
C. Bégin	U. Jarvi	R. Siwik
D.E. Seraphim	J. Wakeford	P. Cooper
M. Watson (Freewest Resources)		
A. Chater (Teddy Bear Valley Mines)		

Shaft sinking is continuing.

Safety

LTI:	0
MA:	0
FA:	0

Environment/Permitting

Zero discharges. The site area remains clean and to standards. Water accumulations in the sedimentation pond has been increasing at a rate slower than expected. No discharges are expected until next week.

Cleanup of the deadfall timber and brush in the vicinity of the access roads and site platform is continuing.

Manpower

Hemlo:	3
Redpath:	27
Sub-contractors:	0
Total:	30

Sedimentation pond

Construction of a sampling point access staircase and placement of the rip-rap material on the downstream side of the relief channel was completed. The sedimentation pond is now operational.

Septic system

Jim Hancock, inspector for the Ministry of Health, was on site this past Tuesday, December 1, to inspect the modifications made to the camp tile field. Excessive runoff from the field was noted. Investigations showed that some of the camp plumbing was leaking causing higher than normal flow to the field. The plumbing was repaired and the field is now being closely monitored.

Shaft

The shaft bottom is at 98.4 metres from top of collar as of 8:00 AM, Friday, December 04, 1992. A total of 6 jumbo rounds were blasted during the week and the shaft bottom advanced 21.2 metres, an average of 3.03 metres/day. Poor ground conditions continue and are expected until a depth of 107 metres has been reached (expected early next week).

Modifications to the hoist and the shaft mucker were undertaken last weekend. Risers for the second rope layer were installed on the hoist drum and the hoisting rope was removed and reinstalled to improve the winding characteristics of the rope onto the hoist drum.

Visits

Unto Jarvi and Jim Gibson of Noranda Exploration in Toronto were on site for a short site visit this past Wednesday, December 02, 1992.

Should any clarifications and/or additional information be required, please contact Bob Michaud at (705) 567-4860.



HEMLO GOLD MINES INC - HOLLOWAY JOINT VENTURE**MEMORANDUM**

To: R. G. Meika **File HHI-10-6.2**

From: R. L. Michaud

Date: December 18, 1992

SUBJECT: HOLLOWAY JOINT VENTURE UNDERGROUND VALIDATION PROJECT -
WEEKLY PROGRESS REPORT

Distribution:

I.D. Bayer	I. Atkinson	J.C. White
D.J. Libby	K.V. Konigsmann	P.P. Lintern
C. Bégin	U. Jarvi	R. Siwik
D.E. Seraphim	J. Wakeford	P. Cooper
M. Watson (Freewest Resources)		
A. Chater (Teddy Bear Valley Mines)		

Shaft sinking is continuing.

Safety

LTI:	0
MA:	0
FA:	0

The project is at 130 days without a lost time injury.

Ron Dion, Manager of Loss Control for J.S. Redpath was on site this past Wednesday. He chaired the monthly site Health and Safety Committee meeting and inspection.

Environment/Permitting

No discharges from the sedimentation pond to date. The site area remains clean and to standards. Analysis of samples from the site runoff pond indicates that the water contained higher than expected levels of ammonia, nitrates, iron and pH. A sample of the sedimentation pond water was taken this week and analysis results are expected early next week. The Redpath

explosives supplier (ETI) was on site yesterday to review explosives handling and blasting practices and will recommend modifications if required so that explosives effect on water quality can be minimized.

Cleanup of the deadfall timber and brush in the vicinity of the access roads and site platform is continuing. The scope of work planned will be completed this weekend. No further work in this area will be undertaken until next spring.

Manpower

Hemlo:	3
Redpath:	24
Sub-contractors:	0
Total:	27

Shaft

The shaft bottom is at 150.2 metres from top of collar as of 8:00 AM, Friday, December 18, 1992. A total of 7 jumbo rounds were blasted during the week and the shaft bottom advanced 22.8 metres, an average of 3.26 metres/day. Five concrete rings were installed during the week. Even though the contractor blasted a shaft round daily, advance per day has been lower than projected. The drill rounds are not breaking as well as previously and experimentation with the drilling/blasting pattern is being undertaken to account for the new rock unit's different properties and characteristics.

Visits

Jim Hancock of the Ministry of Health was on site this past Tuesday to undertake a final inspection of modifications made to the camp sewage system tile field. The modifications were found to be satisfactory and the field has been re-approved.

Mike Nadon, Vice-president - Operations of J.S. Redpath Ltd, spent the day on site this past Tuesday.

Mac Watson, President of Freewest Resources, was on site for a short visit this past Thursday.

A group of approximately 25 mining industry representatives from Yakutia (former republic in the Soviet Union) visited site on Thursday. The visit was organized through the office of John McDougall, MP for the Temiscaming District. John Wakeford of the Norex Timmins Office assisted the site staff with the presentation and site tour. The group also visited other Northeastern Ontario mining operations, museums and educational facilities. Comments from the group indicated that they were impressed with Canadian mining technology, equipment,

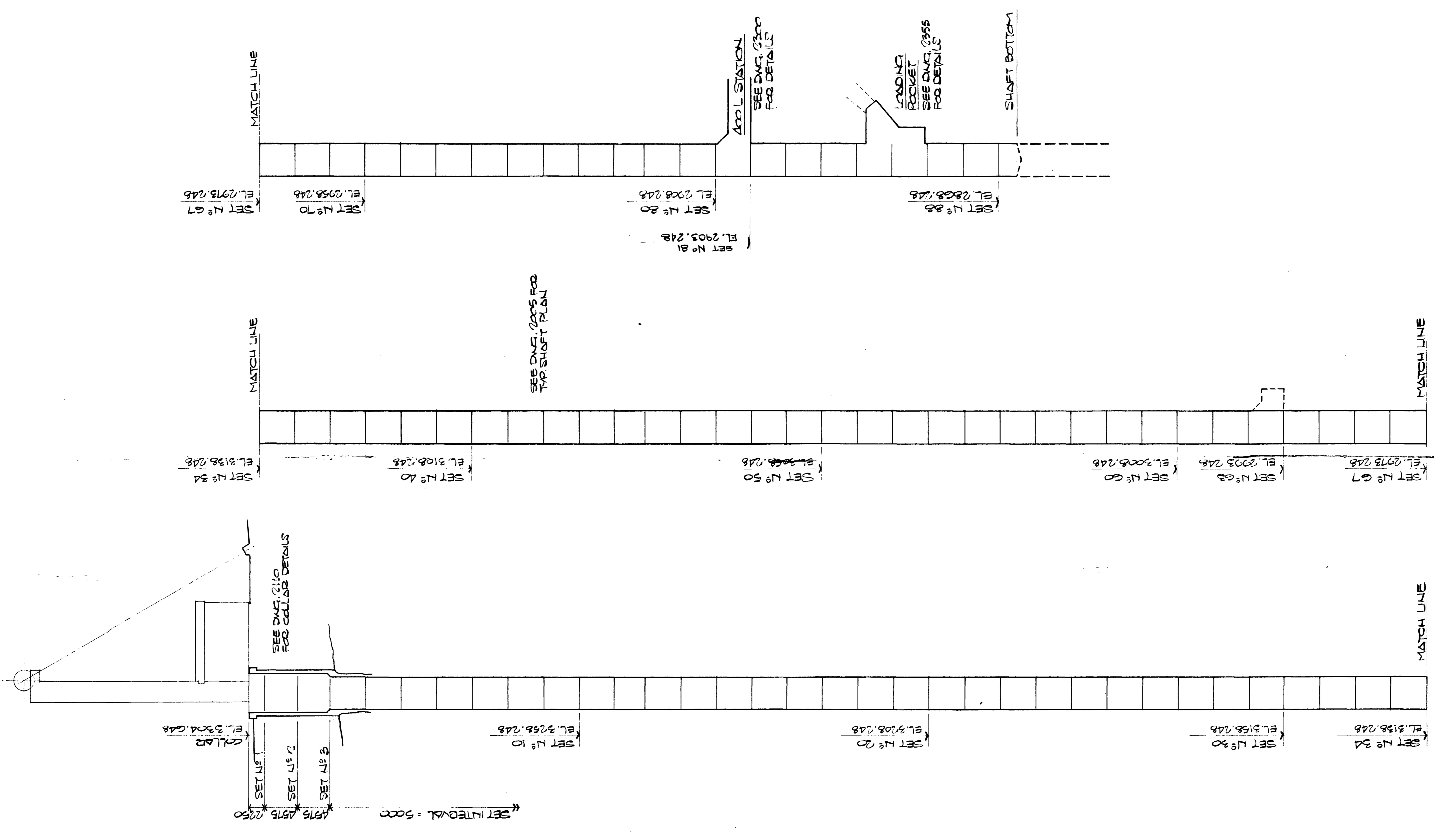
productivity and particularly with the attention paid to the environment. They were impressed with the orderliness and cleanliness of the sites visited as well as the safety standards built into the various plants.

Should any clarifications and/or additional information be required, please contact Bob Michaud at (705) 567-4860.

A handwritten signature in black ink, appearing to read "R. Michaud". The signature is written in a cursive style with a long horizontal flourish extending to the right.



CLIENT: HEMLO GOLD MINES INC. PROJECT: HOLLOWAY PROJECT - CONCRETE SHAFT - SHAFT LONG SECTION. DATE: 22-01. DWG NO: 4895-2000. REV: 2



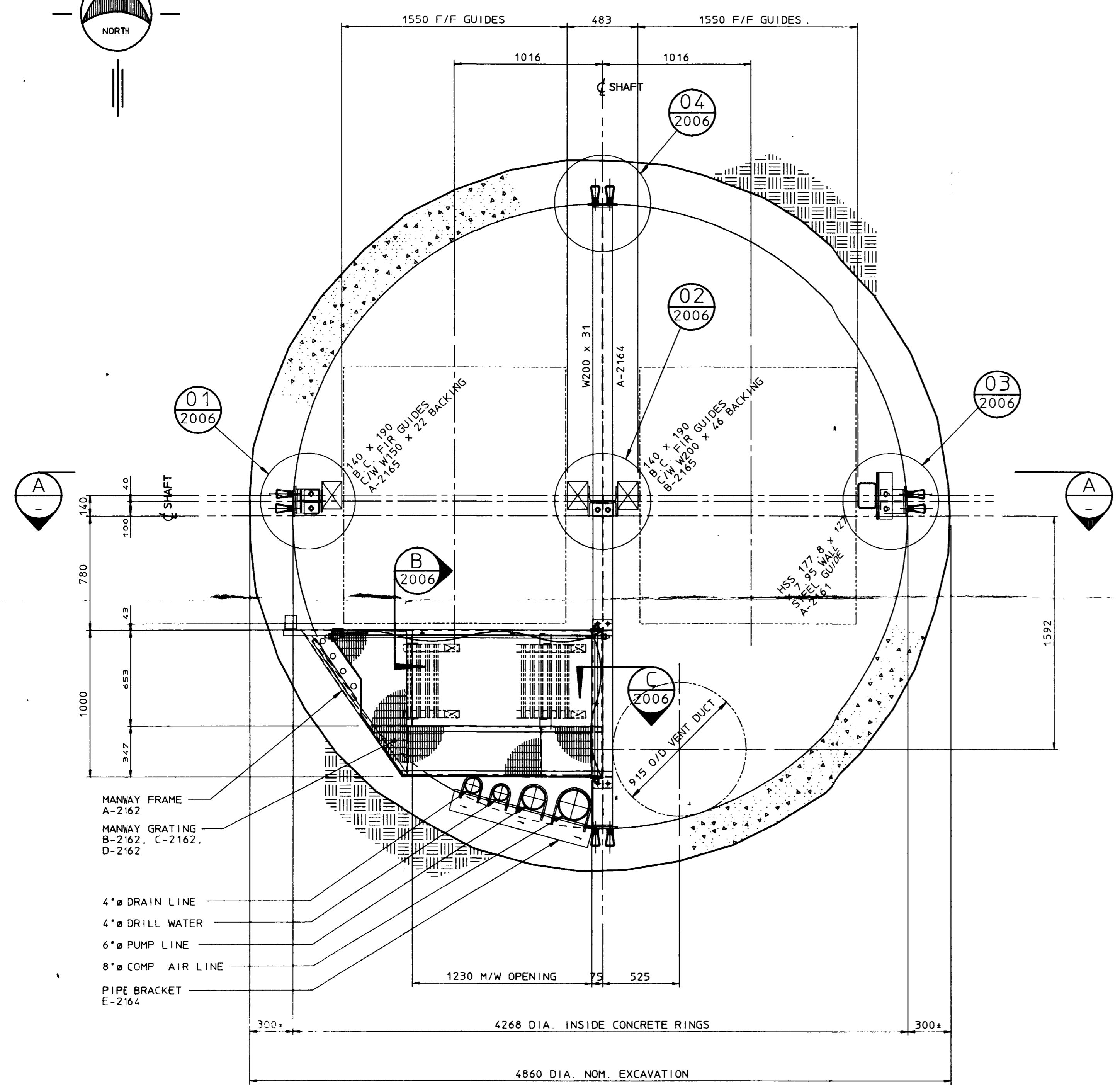
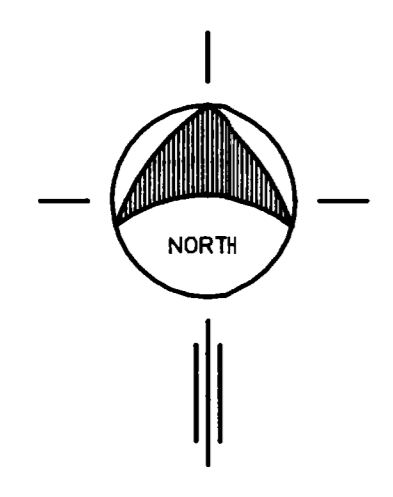
DWG NO.	REFERENCE DRAWING	NO.	REVISIONS	DATE	BY	CHKD	APPD	PROJ. NO.	NO.
1001	SITE PLAN	6							
2005	TYP. SHAFT PLAN	5							
		4	ADJUST ADOL. STATION LOCATION	JAN '95	RDS				
		3							
		2	FOR CONSTRUCTION	DEC '92	RDS				
		1	FIRST DRAFT	AUG '92					

CLIENT: HEMLO GOLD MINES INC.
 TITLE: HOLLOWAY PROJECT CONCRETE SHAFT SHAFT LONG SECTION

REDPATH ENGINEERING LIMITED

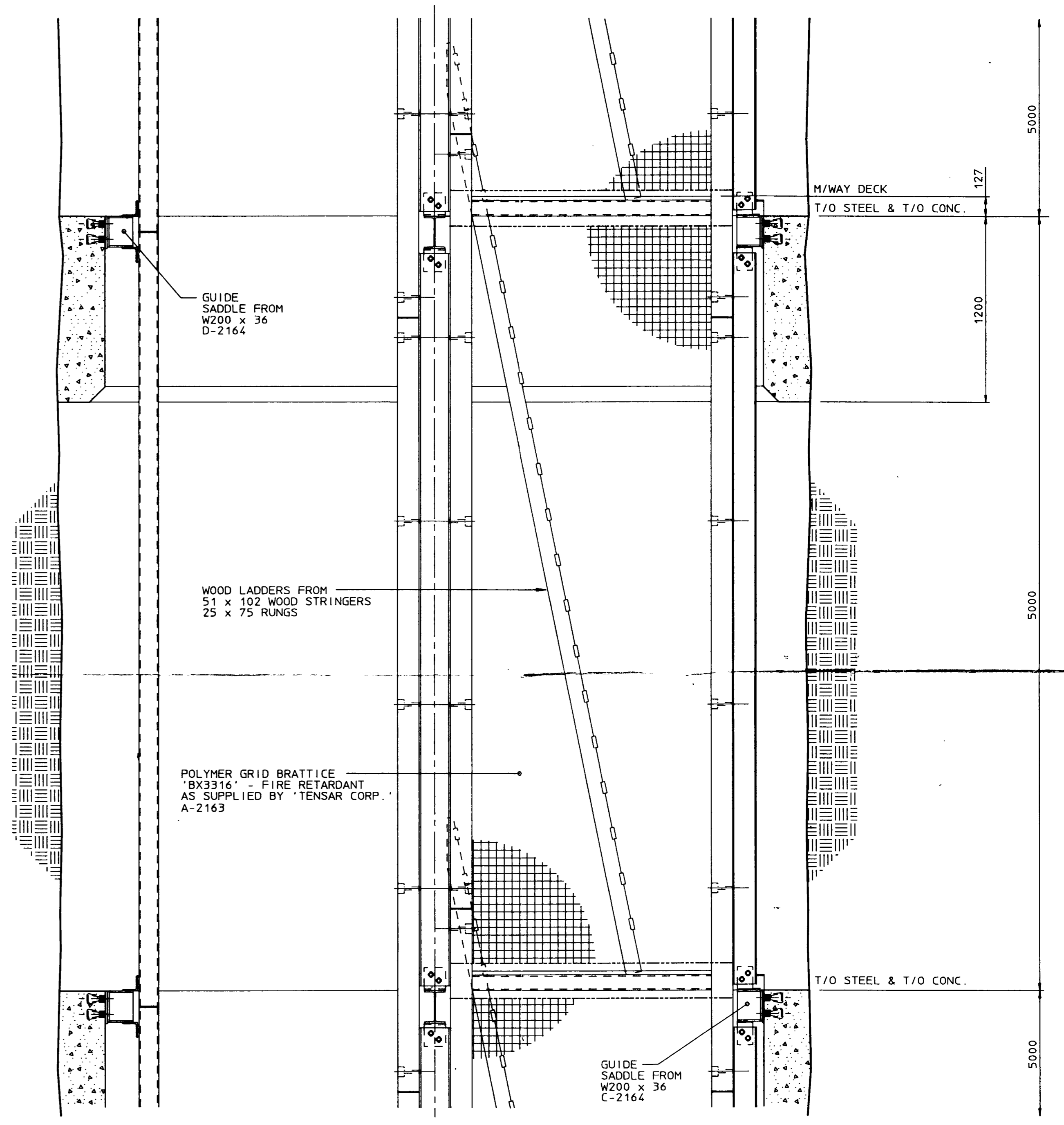
SCALE: # CLASS. NO.: 22-01 DWG NO.: 4895-2000 REV.: 2

REV. 1
 DWG. NO. 4895-2005
 CLASS. NO. 22-01
 CAB. SYSTEM TYPE MOUNTAINTOP
 TITLE HOLLOWAY PROJECT CONCRETE SHAFT - SHAFT GENERAL ARRANGEMENT
 CLIENT HEMLO GOLD INC.



- MANWAY FRAME A-2'62
- MANWAY GRATING B-2'62, C-2'162, D-2'62
- 4" DRAIN LINE
- 4" DRILL WATER
- 6" PUMP LINE
- 8" COMP. AIR LINE
- PIPE BRACKET E-2'64

SHAFT PLAN



AA SHAFT SECTION
 SCALE: NOTED

14/10/92



DWG. NO.	REFERENCE DRAWING	NO.	REVISIONS	DATE	BY	CHK	DSN	PROJ	NO.	REVISIONS	DATE	BY	CHK	DSN	PROJ	NO.
2006	SHAFT HARDWARE DETAILS	5								0	01/09/92	DBM	DS			
		6								1	14/10/92	DBM	DS			
		7								2						
		8								3						
		9								4						

CLIENT	HEMLO GOLD INC.
TITLE	HOLLOWAY PROJECT CONCRETE SHAFT SHAFT GENERAL ARRANGEMENT

REDPATH ENGINEERING LIMITED

SCALE: 1:20 CLASS. NO.: 22-01 DWG. NO.: 4895-2005 REV. 1