

PROGRESS REPORT

MT. HANSEN MINES LTD.

Carmacks Area - Yukon Territory

Submitted to: Faso Silver Mines Ltd.  
420 - 475 Howe Street,  
Vancouver 1, B.C.

Vancouver, B.C.  
November 10, 1964

L.G. White, P. Eng.  
Consulting Mining Engineer

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### INTRODUCTION

An examination of the properties held by your Company in the Mt. Nansen area was completed during September 28th, 29th and 30th, 1964. Mr. Stan Hunter accompanied the writer for the purpose of acquainting him with the work being conducted and to review inventory lists of equipment and supplies available at the Peso-Rex operation which might be available for transfer to Mt. Nansen Mines Ltd.

Dr. W. Smitheringale who had been on the property for about ten days was in the process of finalizing his detailed mapping of the Webber, Huestis, and Brown-McDade veins. Mr. Tom Connelly had produced a detailed plan of the geology and sampling of the Webber vein. A copy of the plan has been reproduced and included in the appendix of my report.

Sections of the bore holes completed to September 27th are also attached with sample results as available shown thereon.

### GENERAL SUMMARY

1. The extensive stripping and trenching programme initiated early last Spring on the Webber and Huestis vein zones was successful in extending the original veins and also discovering new parallel and tangential veining to both zones.
2. The main Webber vein was extended 910 feet to the South and 180 feet in a Northerly direction. Surface mapping and sampling of the extensions yielded discontinuous short sections of ore grade material. Deeper stripping of the vein and a closer sampling interval are necessary to be able to work out definite ore-shoot lengths.
3. Stripping and sampling of a strong tangential vein parallel to the main Webber vein and designated as Webber No.2 indicated an ore shoot length of 145 feet providing an uncut average of 0.65 ounces gold and 35.6 ounces of silver across an average sampled width of 3.3 feet. By cutting the gold assays to 1.0 ounce and silver assays to 100 ounces per ton the average grade would be 0.50 ounces gold and 30.5 ounces silver. At current precious metal prices material of this grade would gross about \$67.00 per ton.

The No.2 vein has now been traced for 620 feet.
4. Additional trenching on the Huestis vein system extended previously known veins to the South-east an approximate strike distance of 450 to 500 feet. The new work provided enough

GENERAL SUMMARY (Cont'd)

preliminary information to consider an adit entry and underground exploratory development of the zone. Dr. Smitheringale established relative elevations of the adit collar and the surface exposures of the Huestis vein system to show a maximum elevation difference possible of 200 feet above the tunnel.

5. The Atlas-Copco dry drilling equipment was used successfully on both vein systems to establish that the veins and values extended down-dip for at least 100 to 150 feet with reasonable continuity. As indicated on the attached sections of the bore-holes, sample returns gave erratic results but enough valuable information to provide targets for directing the underground development.

The drilling was curtailed early in November.

6. The winter access road to the property from Carmacks was established and should be ready for freighting supplies and camp trailers to the mine commencing about mid-November.

7. Plans are being completed to set up a complete trailer camp at the Webber Creek site to accommodate a crew of 30 men. Prefabricated style shop and compressor buildings will be erected at both the Webber and Huestis portal sites. One camp will service both adits.

8. It is estimated that at least 7850 feet of development work distributed to main level drift and crosscut development,

4.

GENERAL SUMMARY (Cont'd)

raising, and sub-level work will be required to place both the Webber and Huestis vein systems in a position to provide aggregate ore shoot lengths for possible production planning.

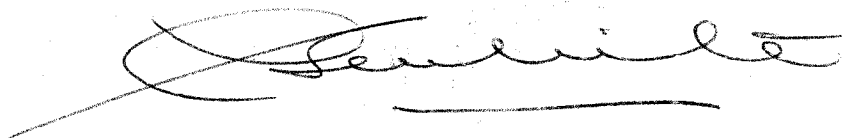
9. A minimum of 5000 feet of diamond drilling should be allowed for and at least \$10,000 budgeted for continuation of metallurgical test-work.

10. Total financial requirements in the amount of \$675,000 should be arranged for to conduct the full-scale exploratory underground development programme, provide camp and plant facilities, equipment purchases, and a general supplies inventory.

RECOMMENDATIONS

The favorable results received from preliminary exploratory work on both the Webber and Huestis vein systems fully justify the major underground development programme as estimated. I recommend that financing be arranged to proceed with the programme immediately.

Yours very truly,

A handwritten signature in cursive script, appearing to read "L.G. White", written over a horizontal line.

L.G. White, P. Eng.  
Consulting Mining Engineer

## CURRENT PROGRAMME

### 1. Surface Work Completed

Trenching and stripping work was curtailed about the last week in September due to surface frost conditions making further effective stripping impractical.

Sites were prepared for the proposed adit on the Webber vein and preliminary levelling done for the campsite on the North side of Webber Creek.

About 200 feet of stripping was done on the new vein exposure some 1,000 feet NW of the main Brown McDade vein structure. Several shallow trenches were excavated on a downslope projection of the vein. Perma-frost conditions did not permit full cross-sectioning of the structure.

Extensions of the Huestis vein zones were trenched and ready for mapping and sampling.

### 2. Mapping and Sampling

A detailed geological and sampling plan had been prepared covering the exposed sections of the main Webber vein and transverse veining adjacent thereto. Several off-shoot

CURRENT PROGRAMME (Cont'd)

2. Mapping and Sampling (Cont'd)

structures to the main Webber vein returned significant values and further investigation of these veins was in progress.

3. Surface Sampling Results

Due to lack of getting complete assay results on the sampling of the main Webber vein and branch veining, it was decided for the purpose of this report to make no attempt at calculating possible ore shoot lengths.

Favourable results were indicated over a continuous vein length of 145' on the tangential structure which joins the main Webber vein on the West side. An uncut sample average was made along this vein length which returned a grade of 0.65 ounces gold and 35.6 ounces of silver over an average width of 3.3 feet. By cutting gold assays to 1.0 ounce and the silvers to 100 ounces the average works out to 0.50 ounces Au and 30.5 ounces Ag.

It is hoped that more consistent results will be forthcoming from samples of the extensions of this vein in order to extend the strike length and increase possible tonnage potential.

CURRENT PROGRAMME (Cont'd)

4. Drilling Programme

The drill programme utilizing dry drilling equipment has yielded good results from a standpoint of establishing the vein structures on a down-dip projection. Results, however, have proven to be erratic as indicated on the list of holes compiled below. It is felt that too much emphasis should not be placed on the assay results because of the lenticular nature of the mineralisation along the vein and the possibilities of missing some of the better sections.

It was suggested to your Mine Manager that a longitudinal section be prepared along the strike of the Webber vein for the purpose of plotting results from the dry hole drilling. These points in section would then provide a pattern for studying the possible rake of the higher grade ore occurrences.

CURRENT PROGRAMME (Cont'd)5. Results of Drill Holes to Date

<u>Hole No.</u>	<u>Intersection</u>	<u>Assays</u>	
		<u>Au/o/T</u>	<u>Ag/o/T</u>
5A	44-45	0.36	11.5
5B	71-72	0.40	12.7
	72-73	0.54	13.3
	Average 71-73 -	0.47	13.0
6A	71-72	0.20	13.5
	72-73	0.90	53.6
	Average 71-73 -	0.55	48.5
	75-76	0.16	64.1
	76-77	0.30	34.9
	77-78	0.20	17.1
	Average 75-78 -	0.22	38.7
6B	42-43	0.44	25.2
	43-44	0.74	78.4
	Average 42-44 -	0.59	51.8
7A	63-64	0.14	3.74
	64-65	0.60	20.68
	65-66	0.80	37.7
	66-67	2.34	142.1
	67-68	0.90	61.3
	68-69	0.56	37.2
	69-70	0.24	20.6
	70-71	0.30	30.4
	71-72	0.34	32.7
	72-73	2.70	299.1
	73-74	2.80	308.6
	74-75	2.94	205.7
	75-76	0.90	47.1
	76-77	0.82	45.1
	77-78	0.32	18.0
	78-79	0.28	17.8
	Average 63-79 -	1.06	82.9
7B	44-45	0.10	1.00
	45-46	0.12	6.00
	Average 44-46 -	0.11	3.50
8B	42-43	0.01	0.80

CURRENT PROGRAMME (Cont'd)5. Results of Drill Holes to Date

<u>Hole No.</u>	<u>Intersection</u>	<u>Assays</u>	
		<u>Au/o/T</u>	<u>Ag/o/T</u>
9A	66-67	0.54	18.9
	67-68	0.34	138.3
	68-69	0.06	25.0
	Average 66-69 -	0.31	60.7
9B	38-39	0.34	2.86
	39-40	0.16	0.68
	Average 38-40 -	0.25	1.77
10A	67-68 -	0.30	1.90
12B	42-43	0.14	5.20
	43-44	0.16	8.82
	44-45	0.16	6.40
	Average 42-45 -	0.15	6.60
13B	48-49	0.60	47.9
	49-50	0.60	47.7
	Average 48-50	0.60	47.8
18-80°	52-54	0.46	0.18
	54-56	0.84	0.96
	Average 52-56	0.65	0.57
19A	57-59	0.005	0.58
19B	56-57	0.005	0.40
23B	50-52	Tr	0.38
24-45°	31-33	0.24	2.60
26-45°	51-52	0.42	2.28
	52-53	0.50	3.34
	53-54	0.10	5.38
	Average 51-54	0.34	3.66
26-60°	101-102	0.06	1.42
27-60°	134-135	0.01	0.96
28-50°	66-67	0.38	28.2
29-50°	54-55	0.02	0.46
29-60°	86-87	0.06	2.84
	87-88	0.10	2.30
	88-89	0.06	1.28
	Average 86-89	0.07	2.14

CURRENT PROGRAMME (Cont'd)5. Results of Drill Holes to Date

<u>Hole No.</u>	<u>Intersection</u>	<u>Assays</u>	
		<u>Au/o/T</u>	<u>Ag/o/T</u>
30-50°	70-71	0.06	2.24
	71-72	<u>0.06</u>	<u>2.04</u>
	Average 70-72	0.06	2.14
31-50°	52-53	0.56	24.4
31-60°	91-92	0.10	11.3
32-50°	53-54	0.14	5.56
	54-55	0.56	15.4
	55-56	1.42	81.5
	56-57	<u>1.74</u>	<u>83.3</u>
	Average 53-57	0.96	46.44
32-60°	70-71	0.56	3.44
	71-72	0.34	5.92
	72-73	0.28	31.8
	73-74	0.14	1.92
	74-75	0.20	1.20
	75-76	0.36	1.68
	76-77	0.20	2.14
	77-78	0.34	4.36
	78-79	0.16	1.54
	79-80	0.24	1.35
	80-81	0.36	2.90
	81-82	0.20	2.50
	82-83	0.16	3.74
	83-84	0.46	47.1
	84-85	0.30	24.1
	85-86	0.20	15.2
	86-87	<u>0.18</u>	<u>17.1</u>
Average 70-87	0.27	8.19	
32-90°	13-15	1.90	34.3
	15-17	0.60	7.62
	17-19	0.16	3.90
	19-21	<u>2.04</u>	<u>130.60</u>
	Average 13-21	1.17	44.10
	25-27	0.48	15.3
	27-29	1.26	2.00
	29-31	0.52	15.7
	31-33	<u>1.10</u>	<u>36.0</u>
	Average 25-33	0.84	22.2

CURRENT PROGRAMME (Cont'd)5. Results of Drill Holes to Date

<u>Hole No.</u>	<u>Intersection</u>	<u>Assays</u>		
		<u>Au/o/T</u>	<u>Ag/o/T</u>	
32-90°	35-37	0.60	11.4	
	37-39	0.40	8.6	
	39-41	0.40	5.6	
	41-43	0.30	9.5	
	43-45	0.20	15.14	
	45-47	0.10	3.21	
	47-59	0.10	12.48	
	Average 35-49	0.30	6.56	
		51-53	0.08	7.32
		53-55	0.08	14.5
	55-57	0.26	33.3	
	57-59	0.16	11.1	
	59-61	0.10	5.50	
Average	51-61	0.13	18.34	
	63-65	0.16	6.78	
33-60°	86-87	0.14	1.28	
	87-88	0.24	1.38	
	88-89	0.26	0.72	
	89-90	0.14	7.32	
	90-91	0.08	10.4	
	Average	86-91	0.17	4.22
35-50°	66-72	Tr	0.12	
36-50°	53-54	0.005	0.64	
37-30°	57-64	Tr	0.14	
37-50°	45-51	Tr	0.12	

PLANNED PROGRAMME

1. Roadwork

To facilitate transportation to the property from Carmacks a winter road was brushed out and once frost and snow conditions have improved allowing Bombadier travel to pack the surface regular service by truck can be established. It is expected that the road will be in shape by mid-November.

The Territorial Government have indicated that funds would be made available to reimburse the Company for up to 50% of the cost.

2. Plant & Camp

Arrangements have been made to use trailers for housing crews planned for the underground programme. Subject to final decision by your Mine Manager, a tentative site was selected near the proposed North adit entry on the Webber vein for location of the trailer camp.

Discussions were held with Mr. Hogan regarding plant buildings to house the compressors and other shop equipment. It was suggested that a Butler style building or some other type of prefabricated structure be used for this purpose. Two buildings will be required for simultaneous driving of both the Webber and Huastis zone tunnels.

PLANNED PROGRAMME (Cont'd)3. Adit Development(a) Webber Vein

It is proposed to collar the Webber adit at the site already prepared where the vein has been exposed in the Webber Creek Valley or its northernmost extension at an approximate elevation of 4250'. Due consideration has been given Dr. Campbell's suggestion regarding a 300 foot crosscut at the 4300 foot elevation. Our combined opinion including Dr. Smitheringale and Mr. Hogan was to take advantage of the extra development possibilities along the vein rather than drive direct to the indicated ore shoot and then drift North and South.

To fully explore and develop the Webber vein structure and subsidiary veining as indicated to date by surface work and preliminary drilling, it is estimated that minimum footages of drifting, cross-cutting and raising will involve the following:

1. Drift development - Main Webber vein	- 1500'
2. " " - Auxiliary veins	- 700'
3. Cross-cutting to parallel veins	- 500'
4. Sub-drift development - total	- 1000'
5. Raising - say - 3 minimum @ 150'	- 450'

Total Estimated Footages

4150 ft.

PLANNED PROGRAMME (Cont'd)3. Adit Development(b) Huestis Vein

A site was selected, cleared and levelled at the South-east end of the Huestis vein structure at an elevation of 4450 feet to collar an adit for a preliminary underground development programme.

Again, as on the Webber development schedule and as indicated by surface trenching, full underground exploratory work will involve cross-cutting to parallel veins and drifting on them. Planning will also include raising on the vein structures and sub-level development.

Minimum estimated footages required to assess the ore making possibilities of the Huestis zone are as follows:

1. Adit and main crosscut	- 200'
2. Drift development - East zone	- 1000'
3. Cross-cutting to parallel veins	- 700'
4. Drifting - parallel veins	- 1000'
5. Sub-drift development - total	- 500'
6. Raising - say - 3 minimum @ 100'	- <u>300'</u>
<b>Total Estimated Footages</b>	<b><u>3700'</u></b>

PLANNED PROGRAMME (Cont'd)

4. Underground Diamond Drilling

Prior to initiating any crosscuts off the main vein development of either the Webber or Huestis zones a programme of diamond drilling should be considered to establish the accurate location of parallel veining and a planned cross-cut layout made accordingly.

For purposes of estimate, provision should be made for at least 5000' feet of underground drilling in conjunction with the development work.

5. Metallurgical Research

It was considered advisable even at this early stage of property development to get some preliminary information regarding recovery problems of the arsenical type mineralization associated with the gold-silver veins in this area.

Accordingly, a 150 pound bulk sample was obtained from several well exposed sections of the main Webber vein and submitted to Britton Research Laboratories for treatment.

The head assay of this sample gave the following results indicating the complex mineralogical association requiring more than simple concentration or straight cyanidation to gain maximum recoveries of the precious metals:

PLANNED PROGRAMME (Cont'd)5. Metallurgical Research

$\frac{\text{Au.}}{\text{o/T}}$	$\frac{\text{Ag.}}{\text{o/T}}$	$\frac{\text{Pb.}}{\%}$	$\frac{\text{Zn.}}{\%}$	$\frac{\text{Cu.}}{\%}$	$\frac{\text{As.}}{\%}$	$\frac{\text{Sb.}}{\%}$
0.79	51.5	2.37	Tr	0.08	3.30	1.84

John Britton was instructed to provide his view in a separate report to you which has been submitted.

At least \$10,000 should be provided to carry on his research work this winter concurrently with the development programme and periodic bulk samples of run-of-mine material be supplied for the test work.

This work, in the writer's opinion, is absolutely essential prior to any production planning.

TIME SCHEDULE AND COST ESTIMATE

In my report submitted to you on August 31st, it was estimated that a two month programme up to November 1st would provide for completion of the surface stripping, dry-hole drilling of the Webber, Huestis and Brown-McDade veins, and brush out a winter road to Carmacks.

The drilling has now been curtailed and road preparation is continuing at this date.

General planning for the proposed programme of underground development will be scheduled as per the following outline. For practical purposes, the scheduling will only be estimated for six months since adjustments will have to be made as results from the work are compiled.

WORK SCHEDULE

<u>Year</u>	<u>Month</u>	<u>Work Schedule</u>
1964	November	Establish office in Carmacks and set up communications with property. Complete winter road, organize proper engineering and geological records for work done during summer. Prepare collar at Webber adit and commence drifting with equipment and supplies available. Start freighting in trailer camp, equipment and supplies.
	December	Complete freighting requirements. Establish trailer camp at Webber site - water supply, etc. Construct shop and compressor house at Webber portal. Establish fuel supply and tank farm. Expand underground crew for full two shift advance in Webber adit.
1965	January	General freighting supplies to build up inventory. Three shifts - Webber adit. Establish shop and compressor house at Huestis adit and start advance - two shifts. Possible diamond drilling from 4250 level - Webber adit.
	February-May	Full scale development both Webber & Huestis adits including diamond drilling.

At this stage of the development, providing results are up to expectations, planning should then be started on the most practical underground development lay-out designed toward providing sufficient blocked-out ore sections for steady mill-feed production.

Subject to metallurgical testwork results, consideration should also be given to permanent plant site locations and freighting of the construction requirements based on a production feasibility study to be prepared at that time.

ESTIMATED COST REQUIREMENTS

The following estimate is submitted only as a preliminary guide for you to make provision of funds to conduct the first phase of the programme as outlined above.

Time Period: - November to May - 6 months

General Operating Costs:

1. Mobilization of crews and equipment, general supervision and engineering at property, completing winter road and collaring Webber adit			
	Labour & supervision	\$12,000	
	Supplies-current operating	5,500	
	Equipment rentals	5,000	
	General Expenses	<u>10,500</u>	\$ 33,000
2. Setting up camps and shop, fuel supply, etc. - advance Webber adit on 2 shifts			
	Labour & supervision	\$21,000	
	Supplies-current operating	7,500	
	General expenses	<u>12,000</u>	\$ 40,500
3. Full development-Webber adit Start Huestis adit			
	Labour & supervision	\$25,000	
	Supplies	11,500	
	General Expenses	<u>15,000</u>	\$ 51,500
4. February to May			
	3 months @ \$50,000		\$ 150,000
			<hr/>
	Estimate 6 months general operating costs		<u><u>\$ 275,000</u></u>

ESTIMATED COST REQUIREMENTS (Cont'd)

Supplies Requirements - 6 months plus fuel, inventory

	<u>Est. Wt.</u> Tons	<u>Unit Cost</u>	<u>Total Cost</u>
Explosives	25	\$ 12.00/C/S	\$ 300,000
Fuel Oil plus inventory	250	0.30/gal	30,000
Gasoline " "	50	0.35/gal	3,500
Rails & accessories	25	200/T	5,000
Ventilation Equipment	4		5,000
Pipe 4"-2"-1"	10		10,000
Flat & round iron, plate etc.	5		2,000
Oxygen & acetylene	6		500
General Hardware Supplies	20		20,000
			<hr/>
		Supplies Costs	\$ 82,000
Freighting Costs	385 tons @ \$40		16,000
			<hr/>
		Total Cost of Supplies	<u>\$ 98,000</u>

ESTIMATED COST REQUIREMENTS (Cont'd)\* Capital Equipment Costs:

<u>Underground</u>	<u>Wt./T</u>	<u>Cost</u>
Compressors - 1800 c.f.m.	10	\$ 50,000
Lighting plants, 2 - 12 K.W. units	3	8,000
Mucking Machines, 2 Einco 12B	4	11,000
Mancha trammers & accessories, 2	8	12,000
12 Mine Cars - 1 ton cap.	5	7,000
3 Air receivers	3	1,800
3 Tugger hoists - 5 H.P.	1	2,000
6 Jacklog rock drills )		
4 Stoppers )	1/2	8,500
2 Slusher hoists - 5 H.P.	1	2,000
Misc. tools and accessories	2	5,000
 <u>Surface</u>		
Overburden drill & tools		11,000
Heating plant, automatic boiler and auxiliary equipment	4	6,500
Bombadier	-	7,000
Water supply pumps, etc.	1/2	1,500
		<hr/>
Estimated Equipment Costs		\$133,300
Freighting costs, 42 tons @ \$ 40.		2,000
		<hr/>
Total Capital Cost - Equipment		<u>\$135,300</u>

\* Most of the above equipment will be transferred from Mayo.

Allowance has been made to purchase the equipment rather than continue rental agreements.

ESTIMATED COST REQUIREMENTS (Cont'd)\* Camp & Plant Buildings:Webber Adit Site

3 - Bunkhouse trailers (36 men)	\$ 20,000
1 - Office trailer	6,000
1 - Cookery trailer	9,500
1 - Dining trailer	7,000
Storage building trailer	5,000
Prefabricated shop & compressor building	7,500
Changehouse building	4,000

Huestis Adit Site

Prefabricated compressor building	5,000
Changehouse building	<u>2,000</u>
Total Camp & Plant Buildings	\$ <u>66,000</u>

\* It is understood that most of the trailers required are available at either Dawson City or Mayo and have already been purchased.

SUMMARY - ESTIMATED FINANCIAL REQUIREMENTS

To provide for full scale development of the Webber and Huestis vein systems directed toward making possible production plans for late 1965 or early 1966 will require expenditures as summarized below:

General Operating Costs	\$ 275,000	
Supplies Cost & Inventory	98,000	
Capital Equipment Costs	135,000	
Camp & Plant Buildings	<u>66,000</u>	
		\$ 574,000
Diamond drilling, 5000' @ \$7.00		35,000
Metallurgical Test-work		10,000
General Administration and Overhead, 6 mths. @ \$6,000		36,000
		<u>          </u>
Estimated Financial Requirements		<u>\$ 655,000</u>
with allowance for contingencies - say -		<u>\$ 675,000</u>

### GENERAL CONCLUSION

The work done by stripping, trenching and sub-surface drilling on the multiple system of veins discovered to date on your Hansen Creek property has provided enough preliminary information to indicate that the possibilities of developing substantial tonnages of ore grade material by the proposed underground programme are fair to good.

From information compiled to date, it appears that the high gold and silver values occur in erratic lens-shaped concentrations irregularly distributed along the veins. Drifting along the structure and systematic testing of the walls may provide some structural pattern to these occurrences.

Overall, the writer concurs with your other professional consultants to state that the property fully justifies the thorough investigation of the vein systems and the expenditures recommended herein to determine whether profitable production is feasible.

C E R T I F I C A T I O N

I, Leonard George White, of the City of West Vancouver, in the Province of British Columbia, hereby certify as follows:

1. That I am a Registered Professional Engineer of the Provinces of British Columbia and Ontario and reside at 704 Parkside Road, West Vancouver, B.C.
2. That I am a graduate of Washington State University with a Bachelor of Science in Mining Engineering having practised my profession for twenty years.
3. That I have no interest either directly or indirectly in the Mount Nansen Mines Ltd. property.
4. That my report is based on an examination of the property during September 28th, 29th, and 30th, 1964 and reference to my previous reports and the reports of other Professional Engineers.

  
L. G. White, P. Eng.

Vancouver, B.C.  
October 10, 1964

SECTIONS ON BORE HOLES

Bore Holes:

1) Misc. Holes:

1.	37'
2.	130'
3.	89'
4.	95'
	<u>351'</u>

2) Program Holes:

	<u>70°</u>	<u>45°</u>
5A	52'	
5B		82'
6A	88'	
6B		55'
7A	79'	
7B		63'
8A	81'	
8B		65'
9A	85'	
9B		64'
10A	75'	
10B		62'
11A	100'	
11B		73'
12A	95'	
12B		60'
13A	52'	
13B		68'
14A	72'	
14B		75'
15A	100'	
15B		66'
16A	69'	
16B		117'
	<u>948'</u>	<u>850'</u>

3) Non-Program Holes - Individual setups.

	<u>60°</u>	<u>80°</u>
17A		
17B	102'	
17C		70'
18A	104'	
18B		68'
19A	88'	
19B		78'
20A	100'	
20B		80'
21A	84'	
21B		67'
22A		17'
22B		
23A		54'
23B		
24A		76'
24B		
	<u>478'</u>	<u>510'</u>

4) Vein Holes - Longitudinal Holes.

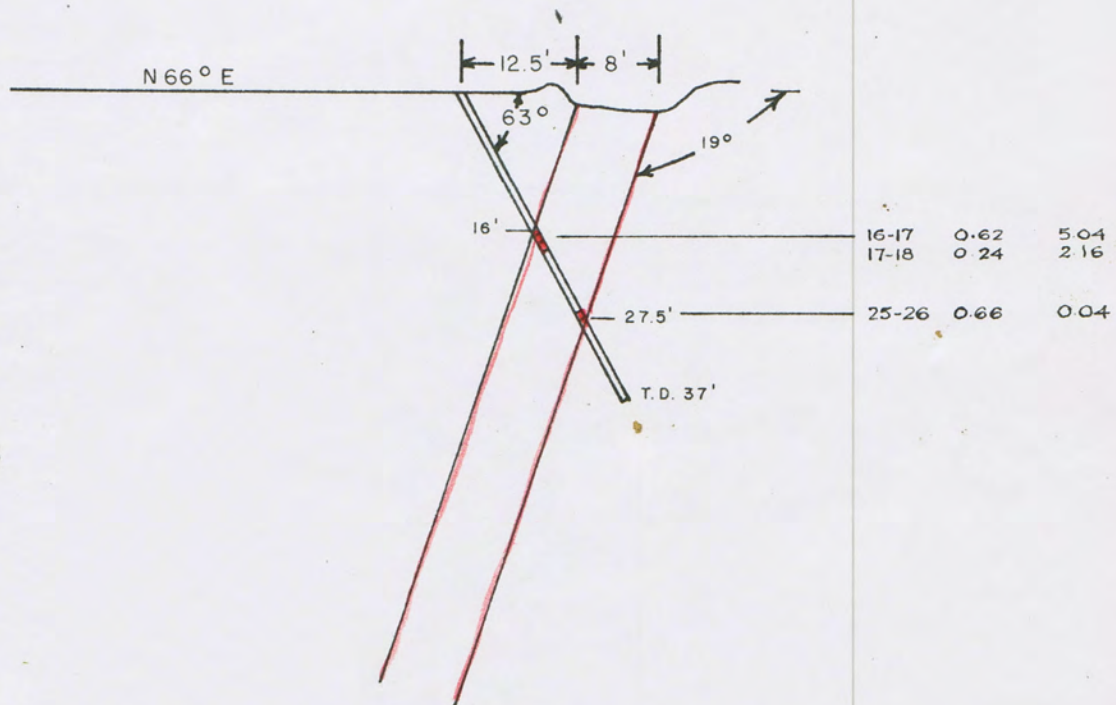
Vein No. 1	136'
Vein No. 2	34'
	<u>170'</u>

1) 351'
2) 948'
2) 850'
3) 478'
3) 510'
4) 170'
<u>3307'</u>

Number of Holes Drilled to Sept. 29th. -----43  
 Total Footage -----3307'  
 Average Hole -----77'

MOUNT NANSEN MINES LTD.

COPCO AIR DRILL  
 FOOTAGE - DRILLING  
 COMPUTATION



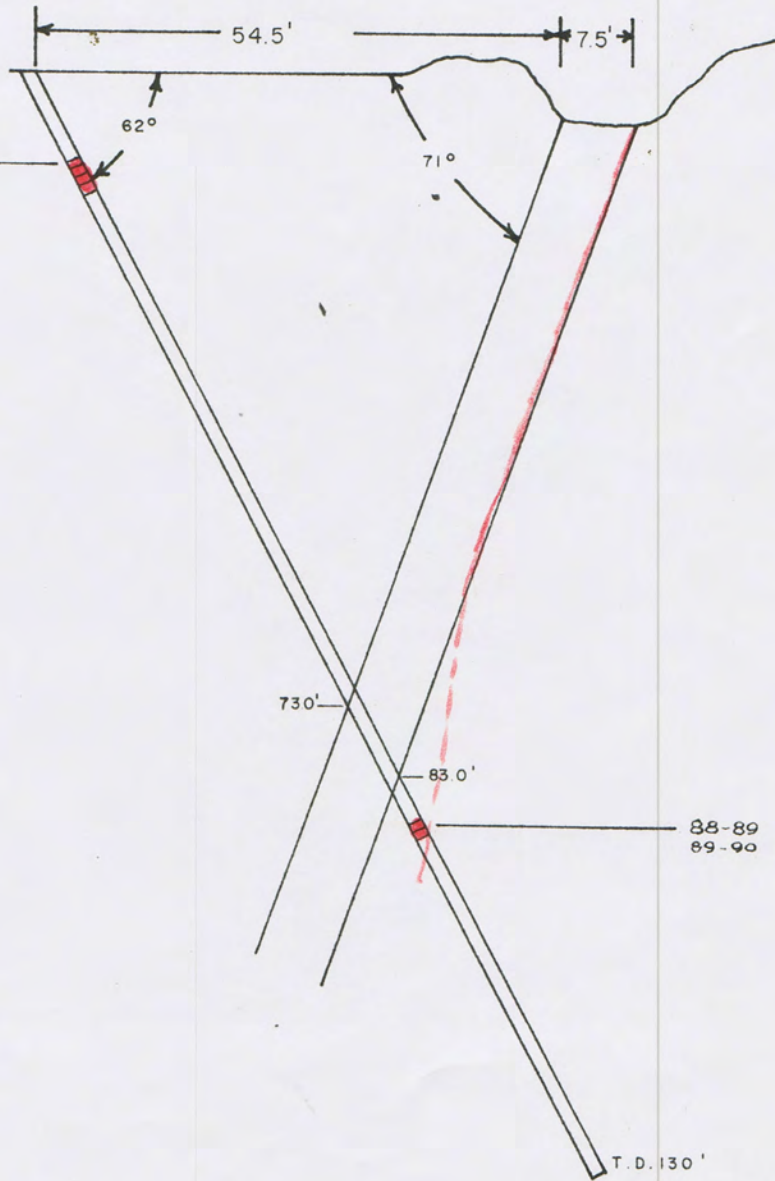
MOUNT NANSEN MINES LTD.

COPCO RIG

BORE HOLE No.1 (EXPERIMENTAL)

SCALE: 1"=20'

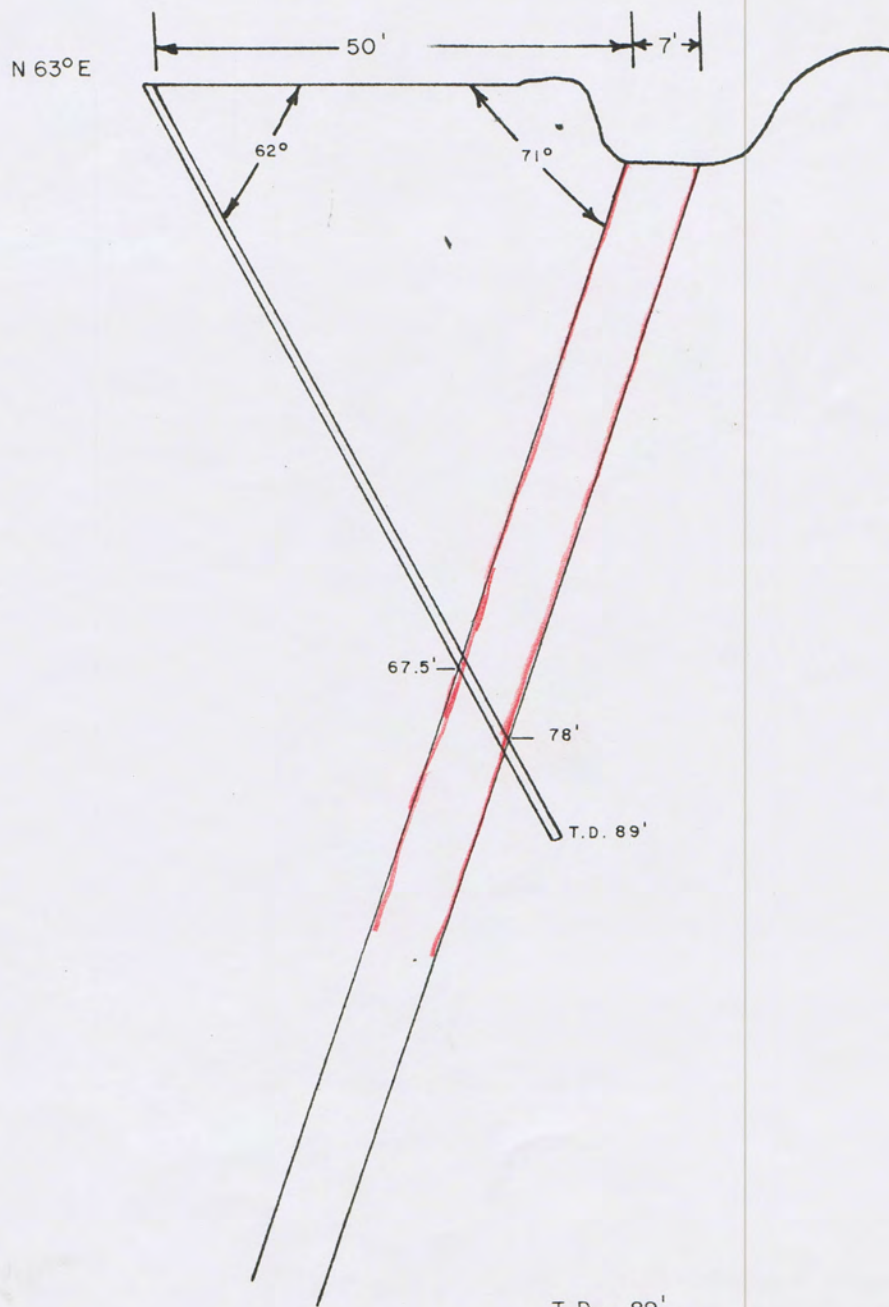
10-11	0.36	3.20
11-12	0.03	0.24
12-13	0.16	1.94
13-14	0.16	2.20
Ave.		
10-14	0.18	1.90



88-89	0.16	5.44
89-90	0.10	5.74

**MOUNT NANSEN MINES LTD.**

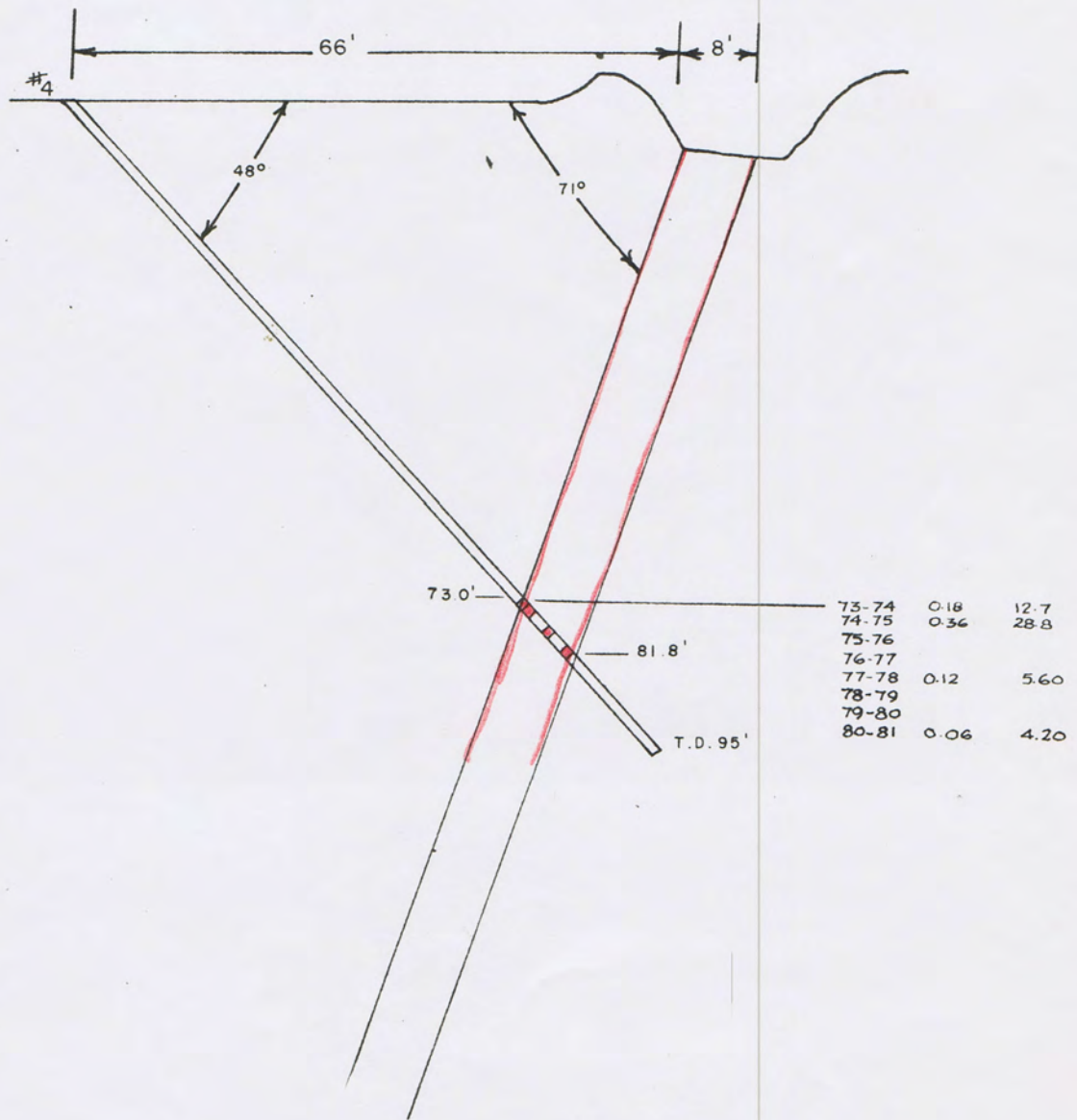
COPCO RIG .  
 BORE HOLE No. 2  
 SCALE: 1" = 20'



T.D. - 89'

**MOUNT NANSEN MINES LTD.**

COPCO RIG  
 BORE HOLE No. 3  
 SCALE: 1" = 20'

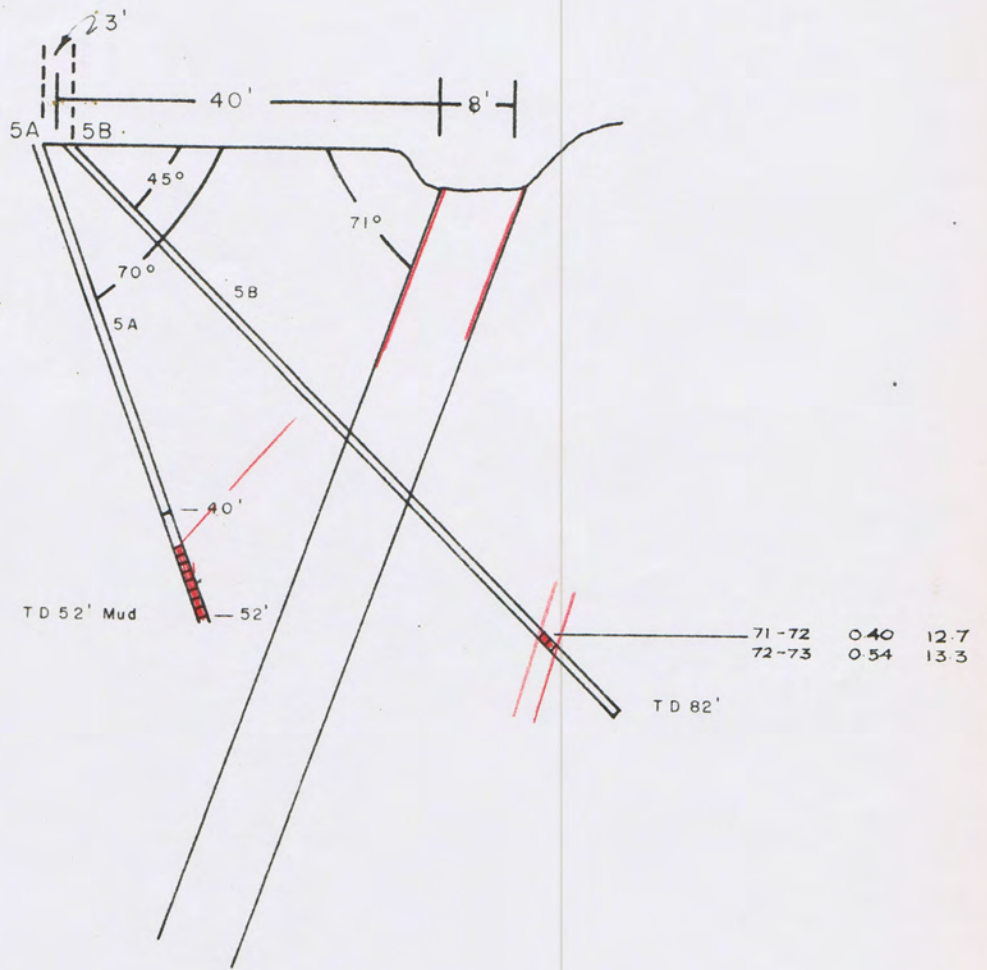


T.D. — 95'

**MOUNT NANSEN MINES LTD.**

COPCO RIG  
 BORE HOLE No. 4  
 SCALE: 1" = 20'

5A		
40-41	.04	2.22
44-45	.36	11.5
45-46	.12	4.38
46-47	.08	2.72
47-48	.06	2.90
48-49	.06	2.22
49-50	.06	2.24
50-51	.06	1.00
51-52	.02	.62
Ave.		
44-52	.11	3.45



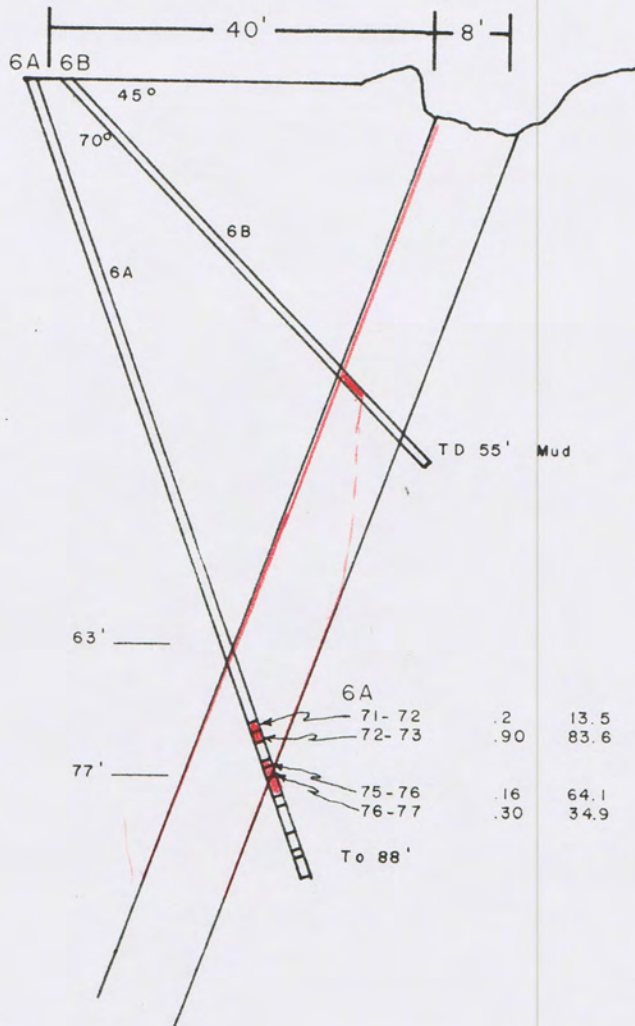
MOUNT NANSEN MINES LTD.

Copco Rig

Bore Holes 5A & 5B

Scale: 1" = 20'

6B		
40-41	.01	.40
42-43	.44	25.2
43-44	.74	78.4
44-45	.07	6.16
47-48	.01	1.30
48-49	.01	.66
49-50	.01	.46
Ave.		
42-45	.42	36.6



6A		
71-72	.2	13.5
72-73	.90	83.6
75-76	.16	64.1
76-77	.30	34.9
To 88'		

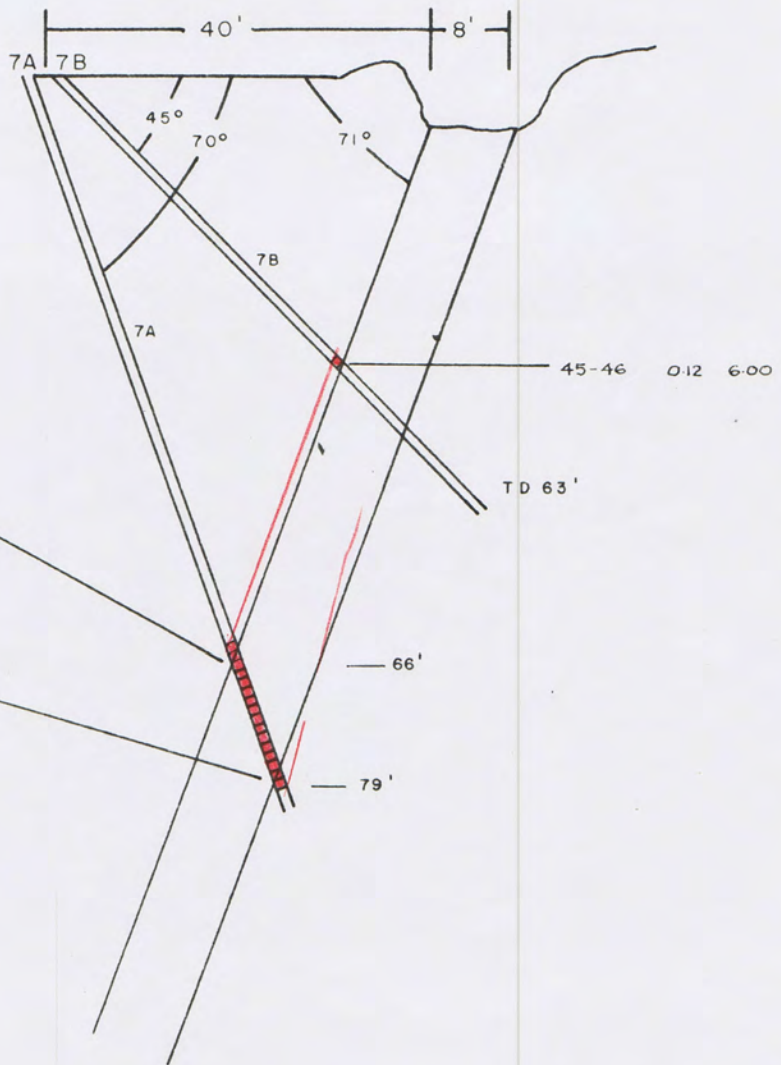
6A		
77-78	.20	17.1
78-79	.02	2.80
79-80	.01	2.42
Ave.		
75-78	.22	38.7
83-85	.005	.80
85-86	.01	1.16
86-88	.02	2.64

MOUNT NANSEN MINES LTD.

Copco Rig

Bore Holes 6A & 6B

Scale: 1" = 20'



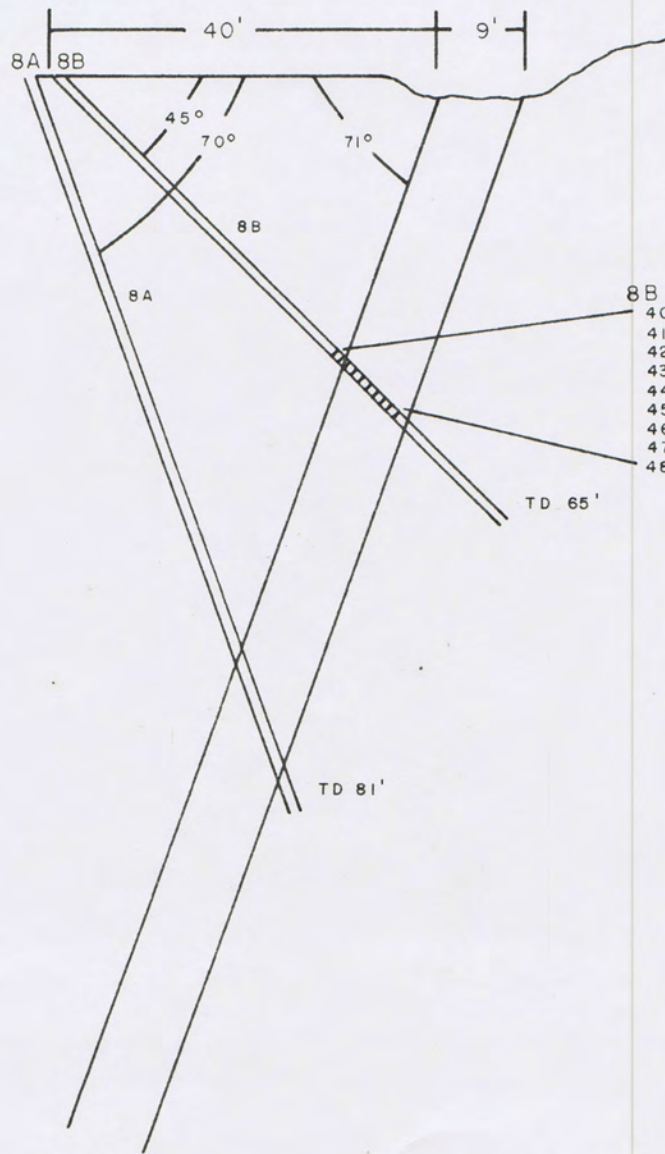
63-64	.14	3.74
64-65	.60	20.68
65-66	.80	37.7
66-67	2.34	142.1
67-68	.90	61.3
68-69	.56	37.2
69-70	.24	20.6
70-71	.30	30.4
71-72	.34	32.7
72-73	2.70	299.1
73-74	2.80	308.6
74-75	2.94	205.7
75-76	.90	47.1
76-77	.82	45.1
77-78	.32	18.0
78-79	.28	17.8
Ave.		
63-79	.42	36.6

MOUNT NANSEN MINES LTD.

Copco Rig

Bore Holes 7A & 7B

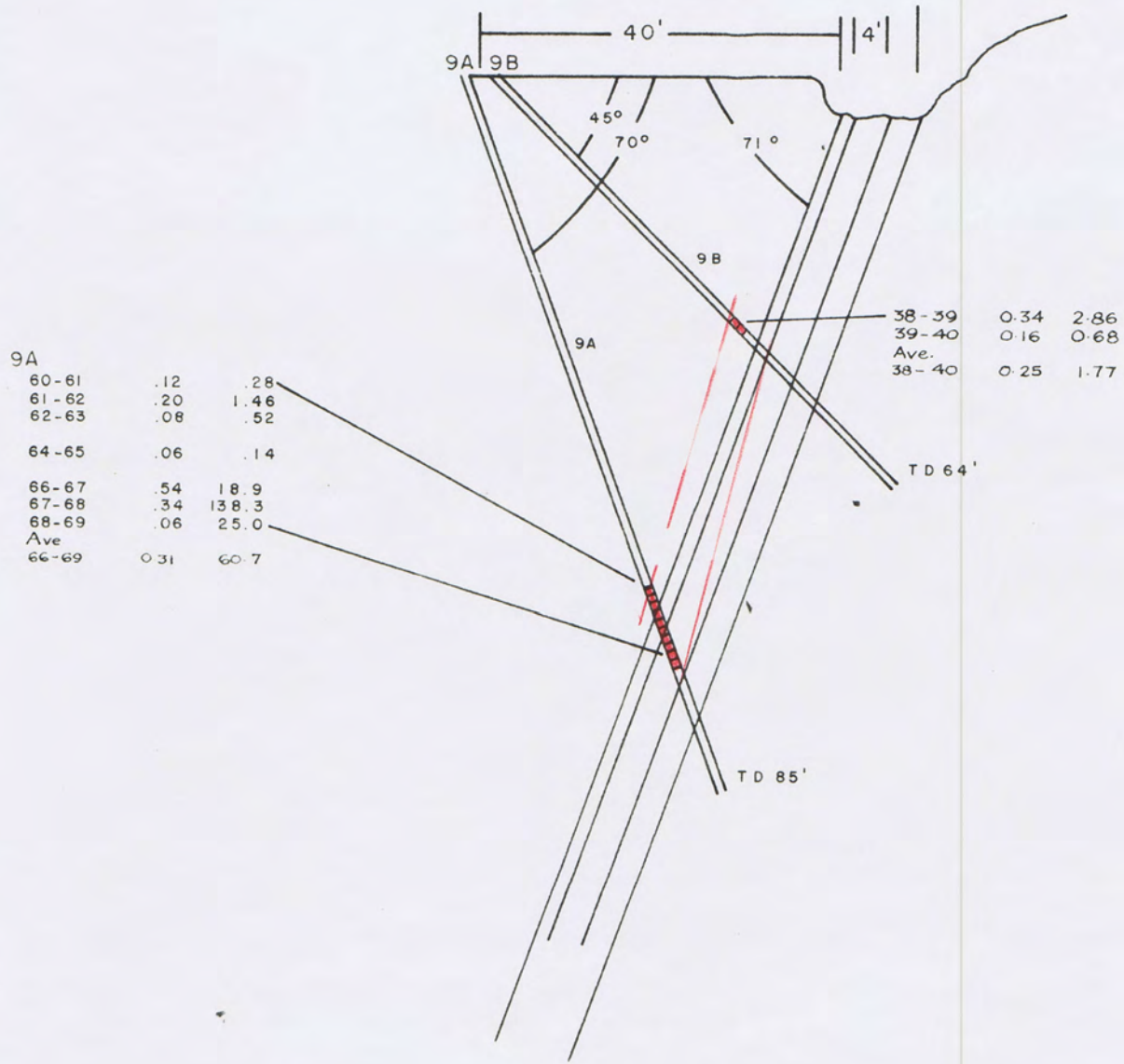
Scale: 1" = 20'



Interval	Value 1	Value 2
40-41	.01	.40
41-42	.02	.28
42-43	.01	.80
43-44	.01	.50
44-45	.02	.28
45-46	.02	.58
46-47	.02	.18
47-48	.005	.26
48-49	.005	.20

MOUNT NANSEN MINES LTD.

Bore Holes 8A & 8B  
 Scale: 1" = 20'



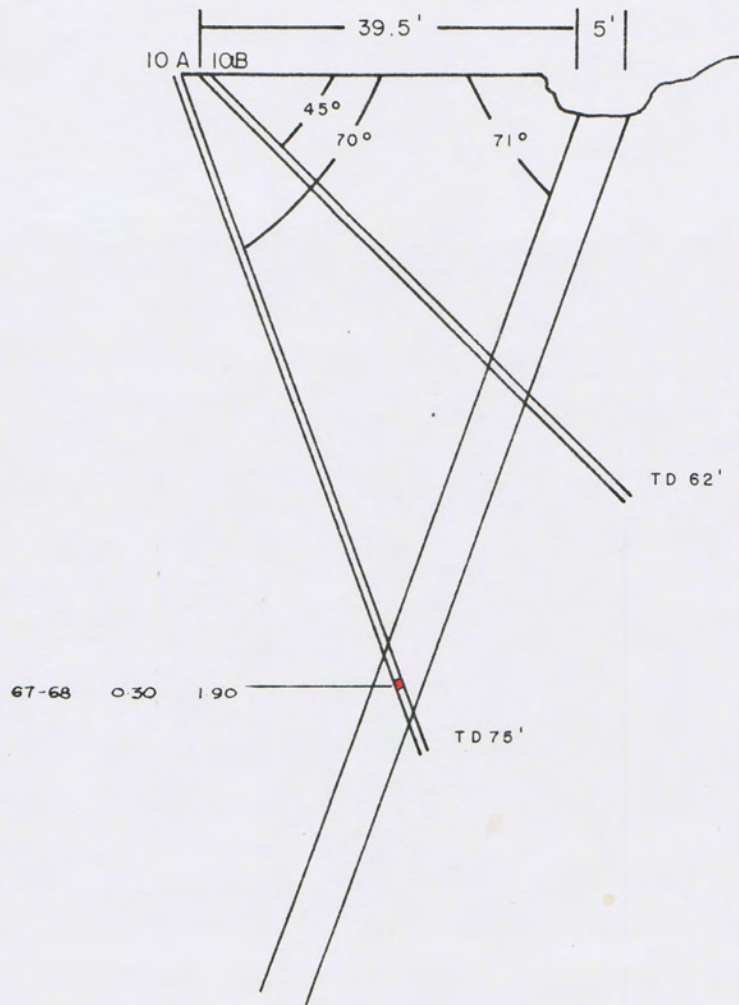
9A		
60-61	.12	.28
61-62	.20	1.46
62-63	.08	.52
64-65	.06	.14
66-67	.54	18.9
67-68	.34	138.3
68-69	.06	25.0
Ave		
66-69	0.31	60.7

38-39	0.34	2.86
39-40	0.16	0.68
Ave.		
38-40	0.25	1.77

MOUNT NANSEN MINES LTD.

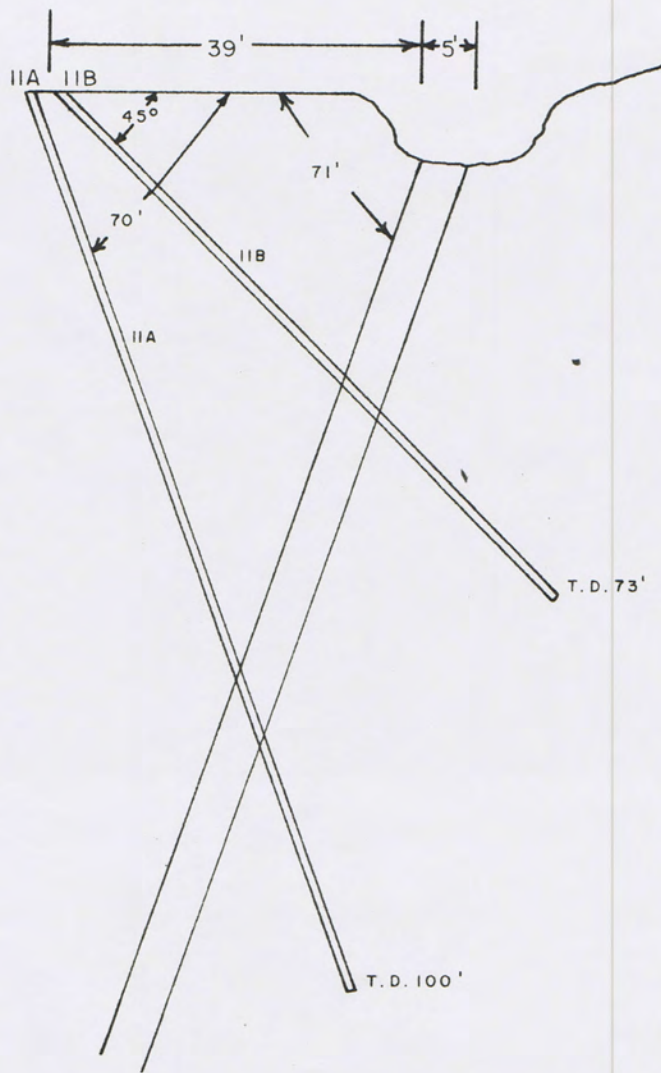
Bore Holes 9A & 9B

Scale: 1" = 20'



·MOUNT NANSEN MINES LTD.

Bore Holes IOA & IOB  
 Scale: 1" = 20'

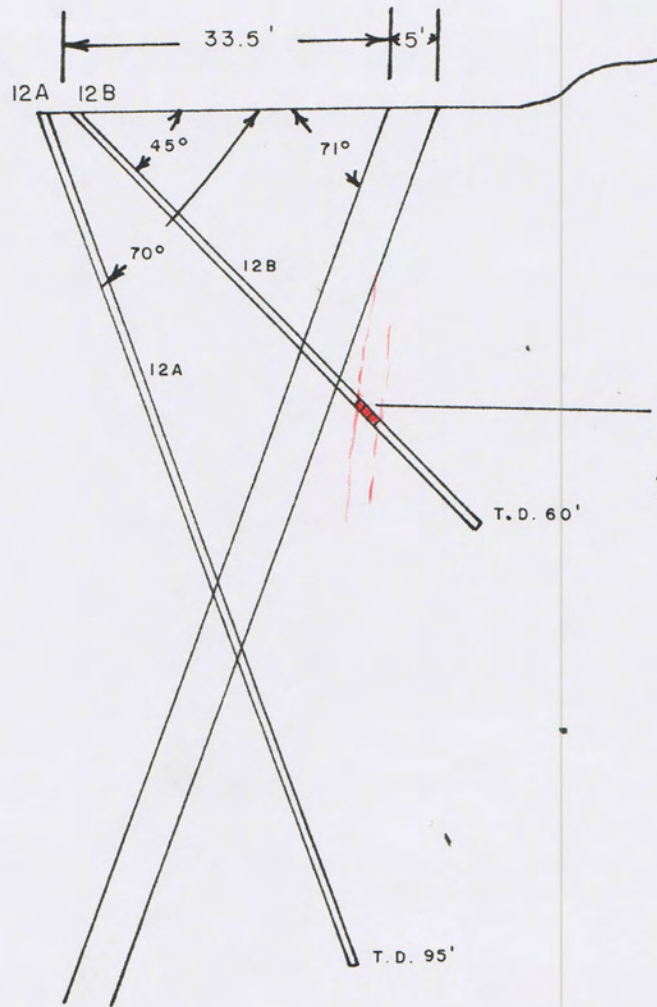


MOUNT NANSEN MINES LTD.

COPCO RIG

BORE HOLE No. IIA & IIB

SCALE: 1" = 20'



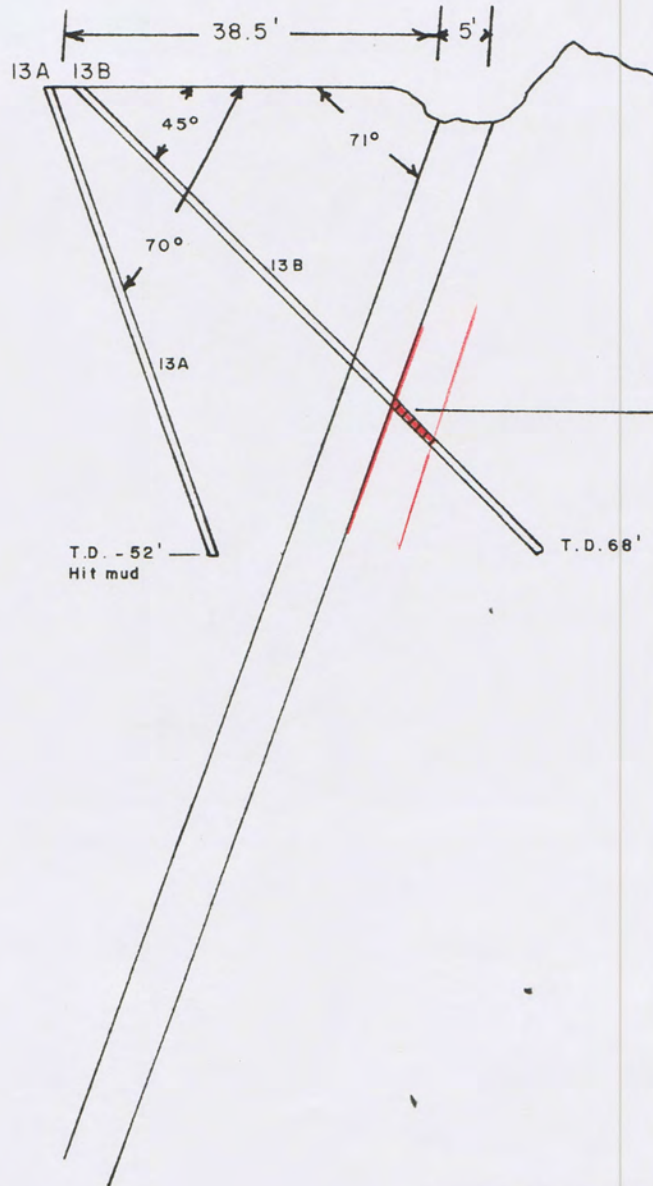
42-43	0.14	5.20
43-44	0.16	8.82
44-45	0.16	6.40
Ave.		
42-45	0.15	6.80

MOUNT NANSEN MINES LTD.

COPCO RIG

BORE HOLE No. 12A & 12B

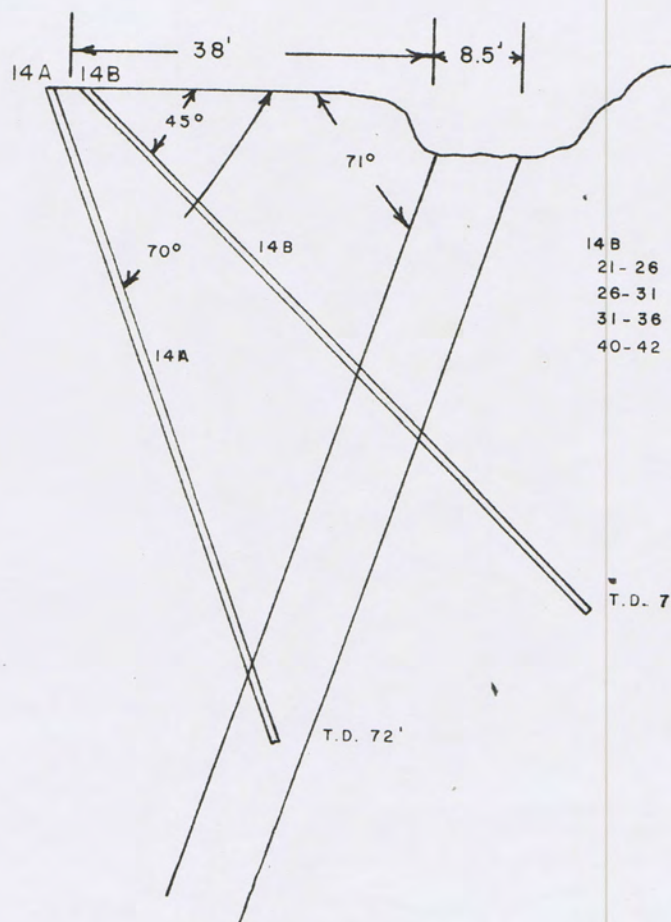
SCALE: 1" = 20'



47-48	0.16	7.30
48-49	0.60	47.9
49-50	0.60	47.7
50-51	0.32	19.4
51-52	0.08	5.48
Ave.		
47-52	0.35	25.56
T.W.	4.5'	

MOUNT NANSEN MINES LTD.

COPCO RIG  
 BORE HOLE No. 13A & 13B  
 SCALE: 1" = 20'



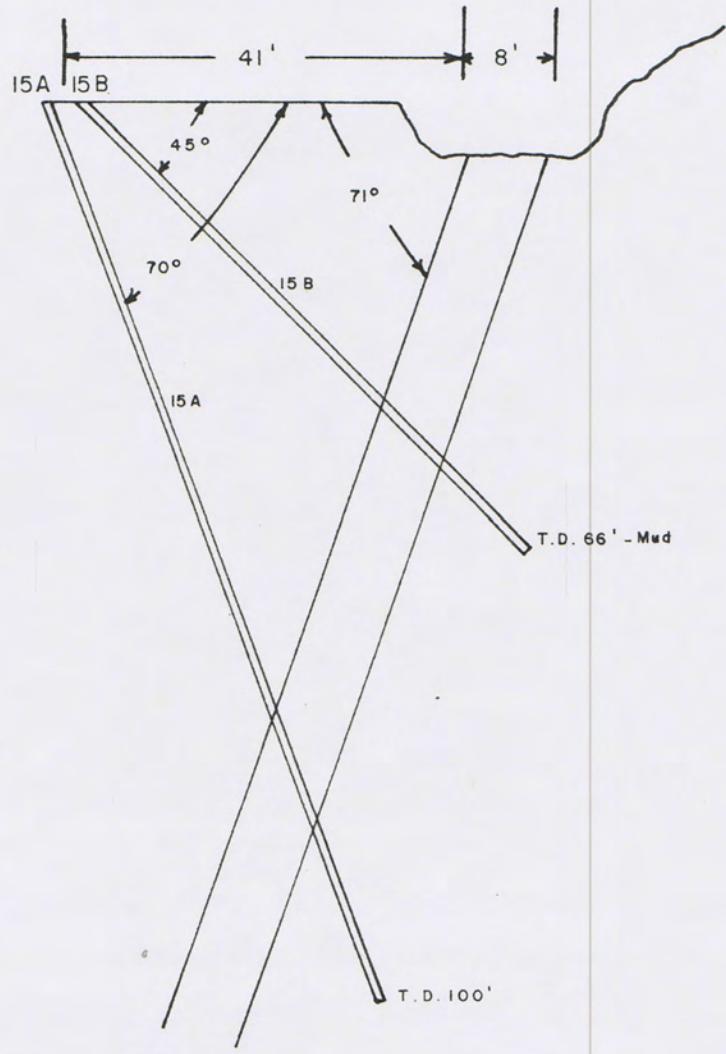
Interval	Tr	Tr
21-26	Tr	Tr
26-31	.005	Tr
31-36	.01	.16
40-42	.01	.10

**MOUNT NANSEN MINES LTD.**

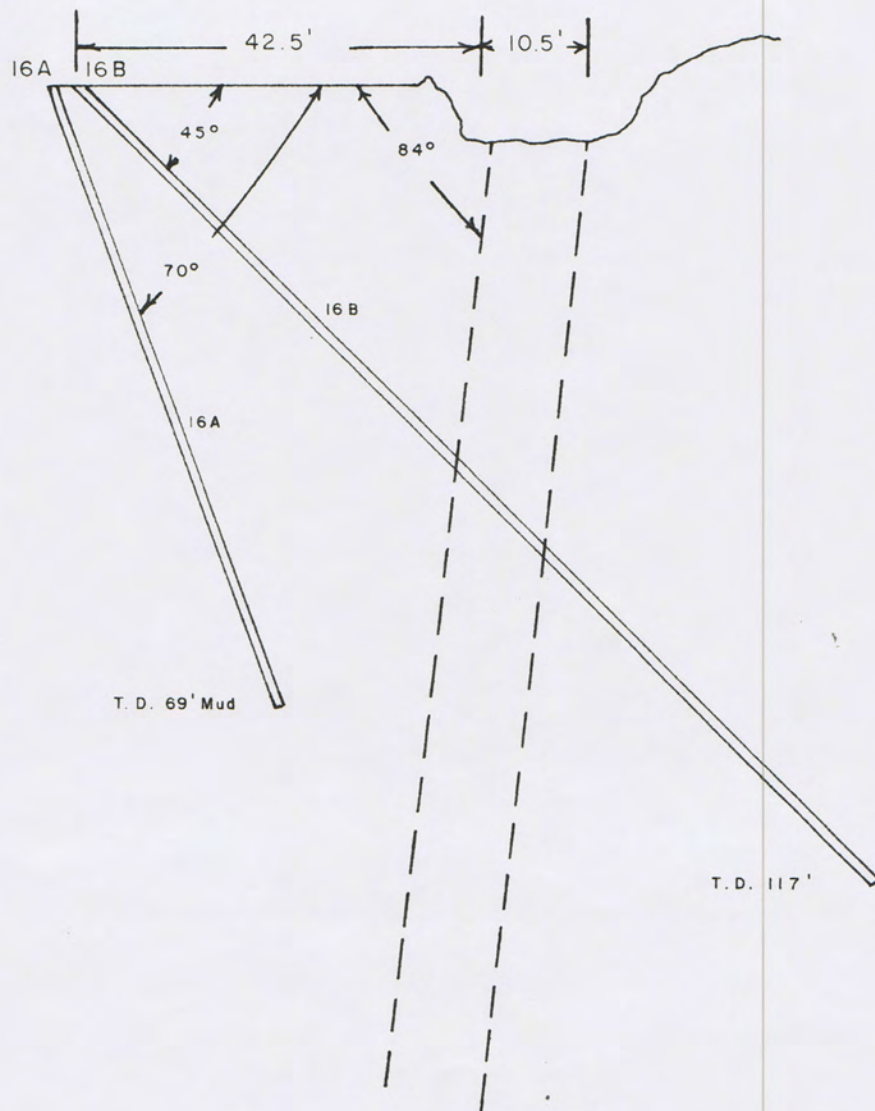
**COPCO RIG**

**BORE HOLE No. 14A & 14B**

**SCALE: 1" = 20'**



<b>MOUNT NANSEN MINES LTD.</b>
COPCO RIG
BORE HOLE No. 15A & 15B
SCALE: 1" = 20'



MOUNT NANSEN MINES LTD.

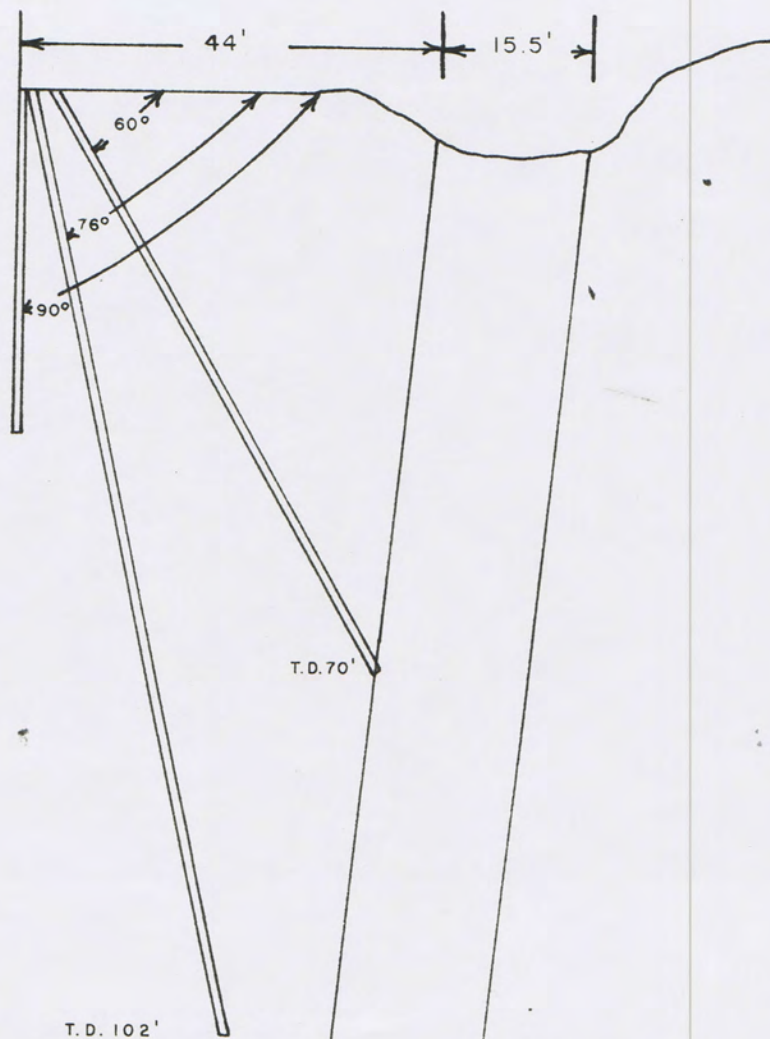
COPCO RIG

BORE HOLE No. 16A & 16B

SCALE: 1" = 20'

Note:

Regular  $\varnothing$  Program Curtailed



MOUNT NANSEN MINES LTD.

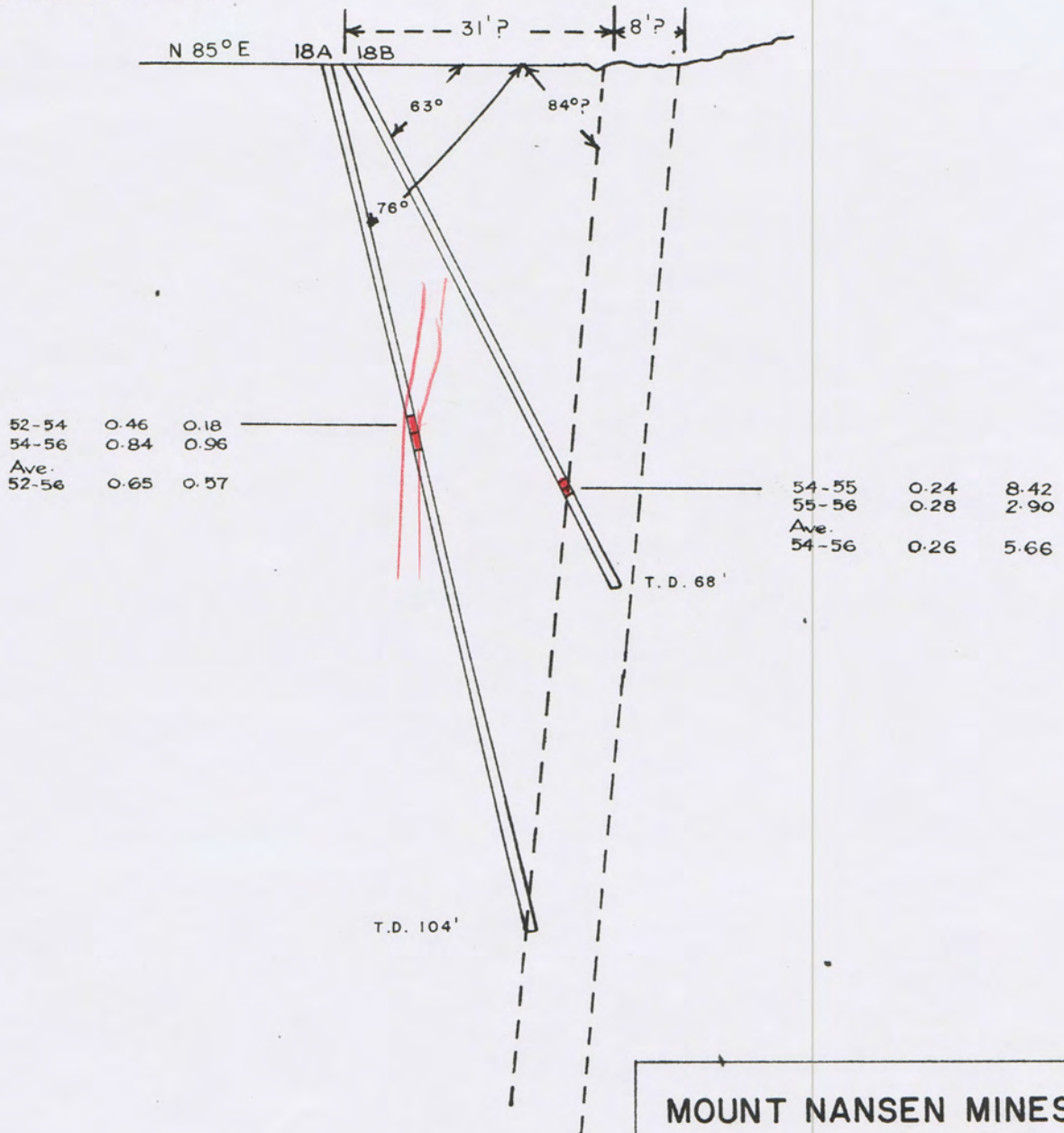
COPCO RIG

BORE HOLE No.17A,17B &17C

SCALE: 1" = 20'

Note:

Fault Zone Location  
Vein Covered With Rubble.

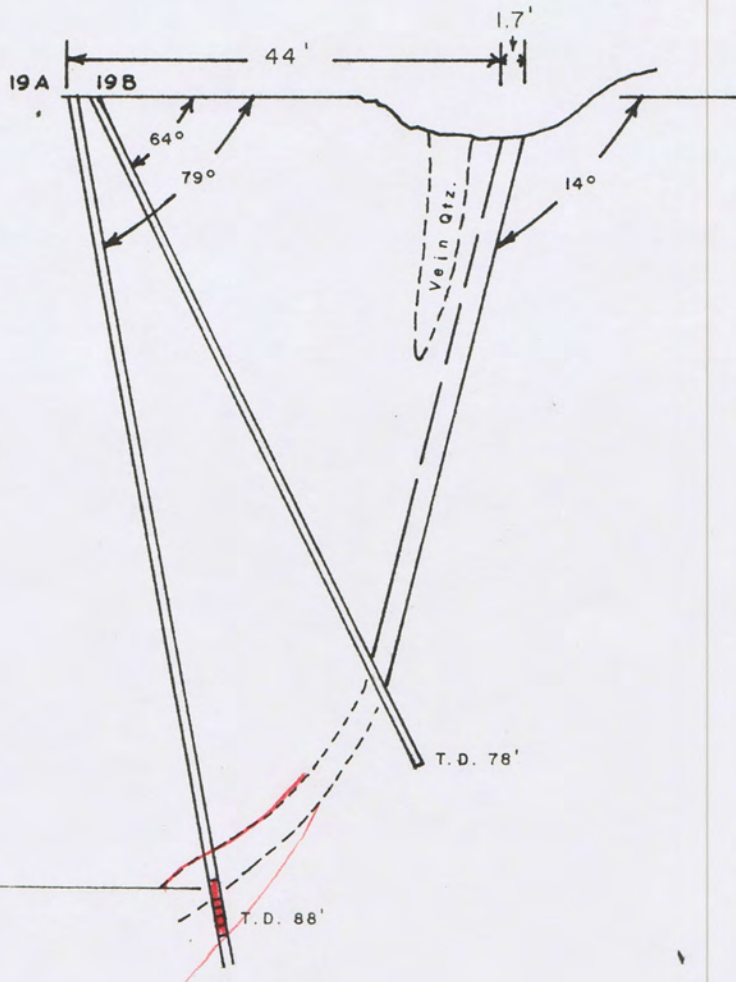


**MOUNT NANSEN MINES LTD.**

COPCO RIG

BORE HOLES No.18A &18B

SCALE: 1" = 20'

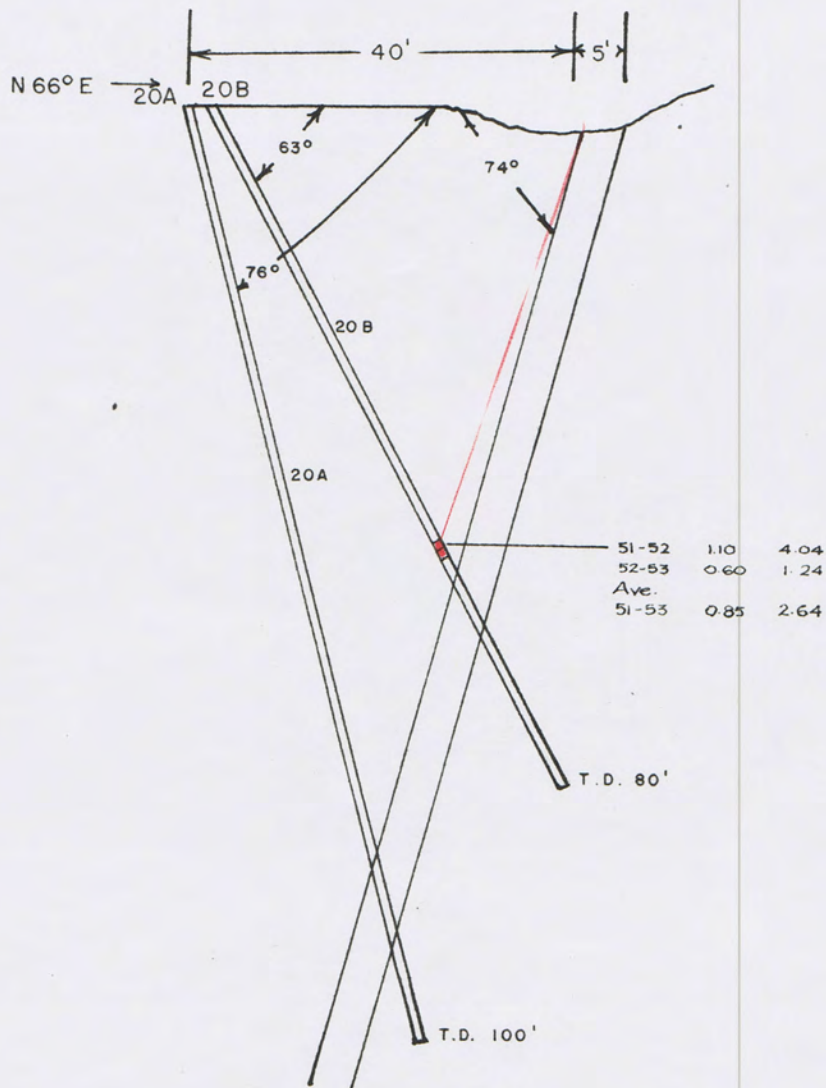


MOUNT NANSEN MINES LTD.

COPCO RIG

BORE HOLE No. 19A & 19B

SCALE: 1" = 20'



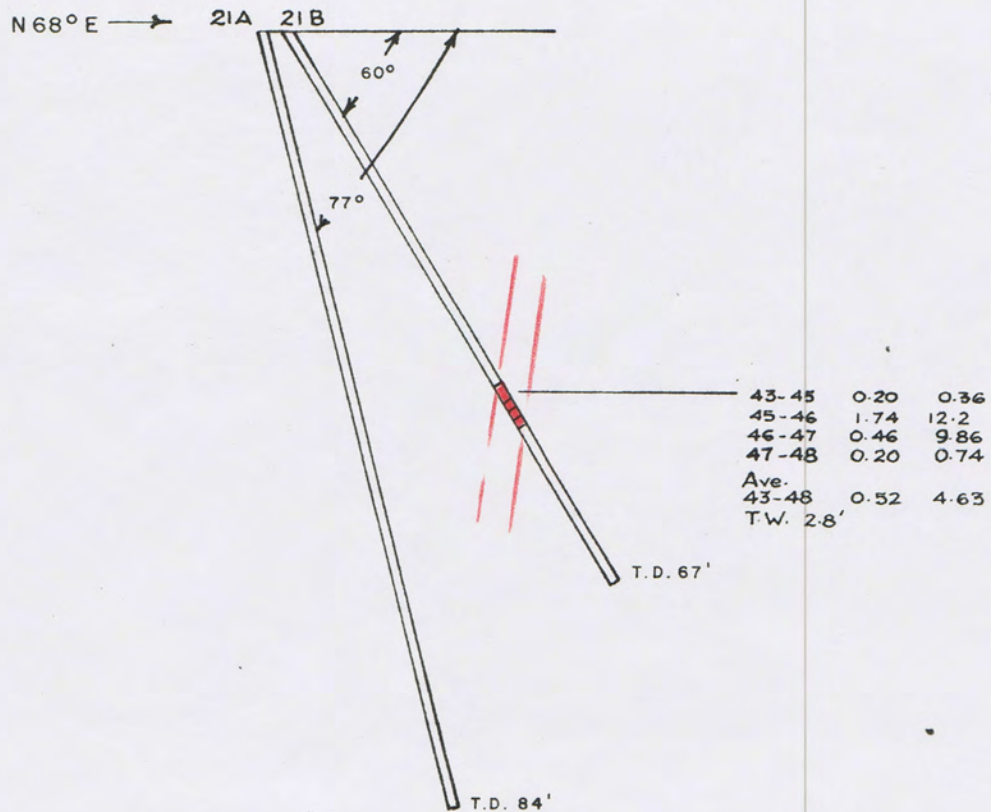
MOUNT NANSEN MINES LTD.

COPCO RIG

BORE HOLE No. 20A & 20B

SCALE: 1" = 20'

Note:  
Vein Attitude Unknown.

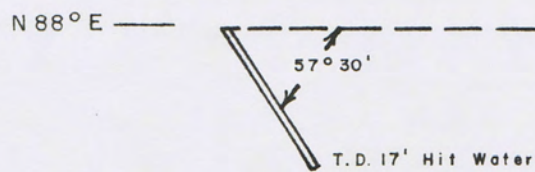


MOUNT NANSEN MINES LTD.

COPCO RIG

BORE HOLE No. 21A & 21B

SCALE: 1" = 20'



**MOUNT NANSEN MINES LTD.**

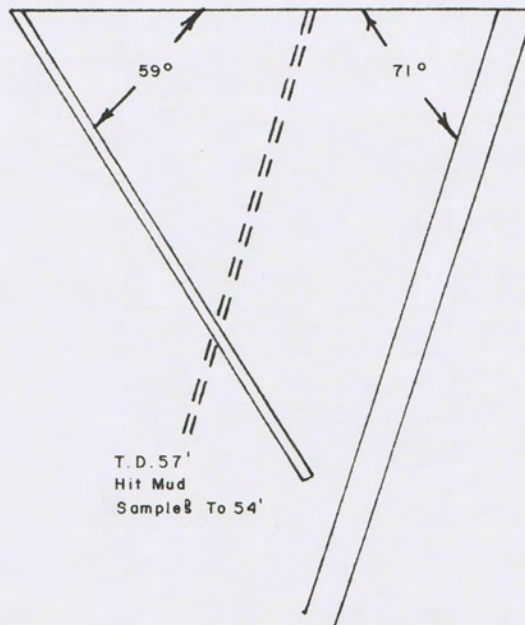
COPCO RIG

BORE HOLE No. 22

SCALE: 1" = 20'

23B

N 62° E



T. D. 57'  
Hit Mud  
Samples To 54'

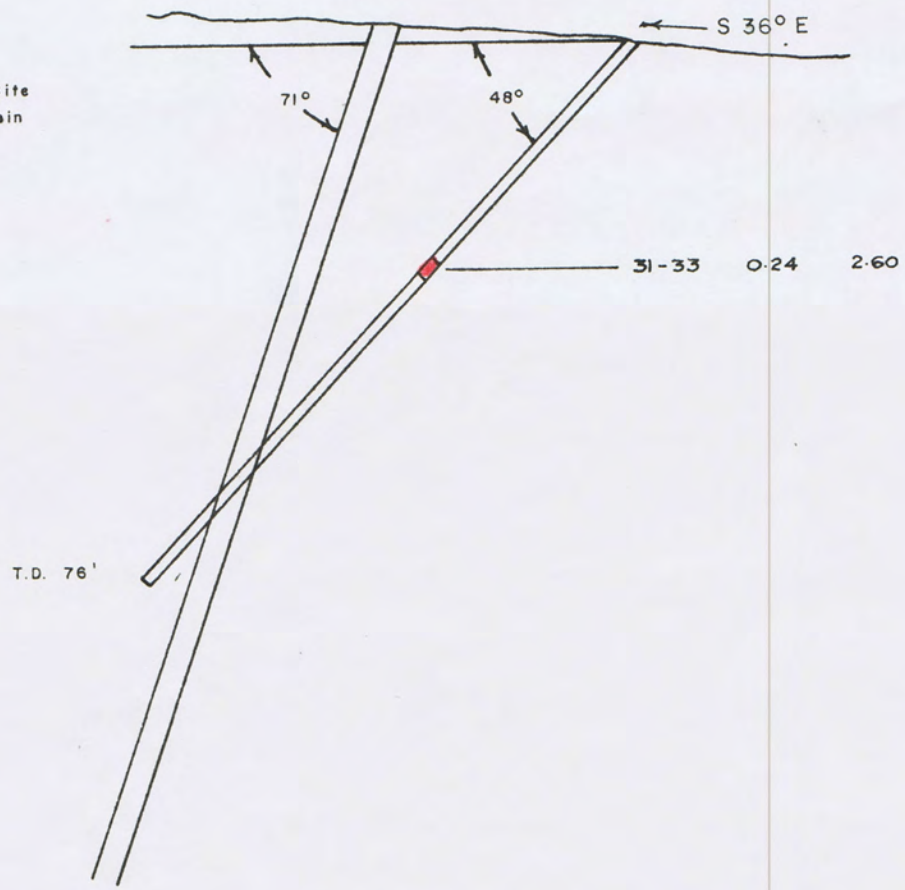
MOUNT NANSEN MINES LTD.

COPCO RIG

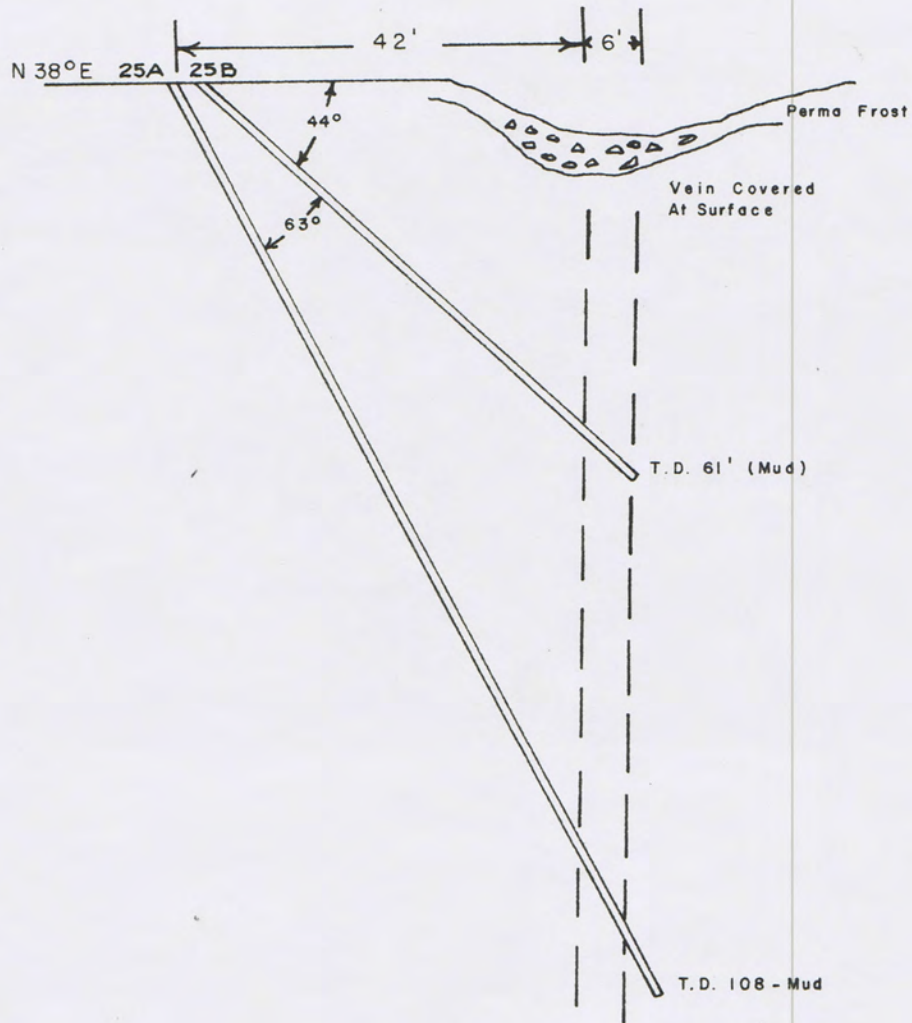
BORE HOLE No. 23B

SCALE: 1" = 20'

Note:  
Bore Hole Above Adit Site  
Attempting To Define Vein  
At Tunnel Level.  
Northern-most Hole.

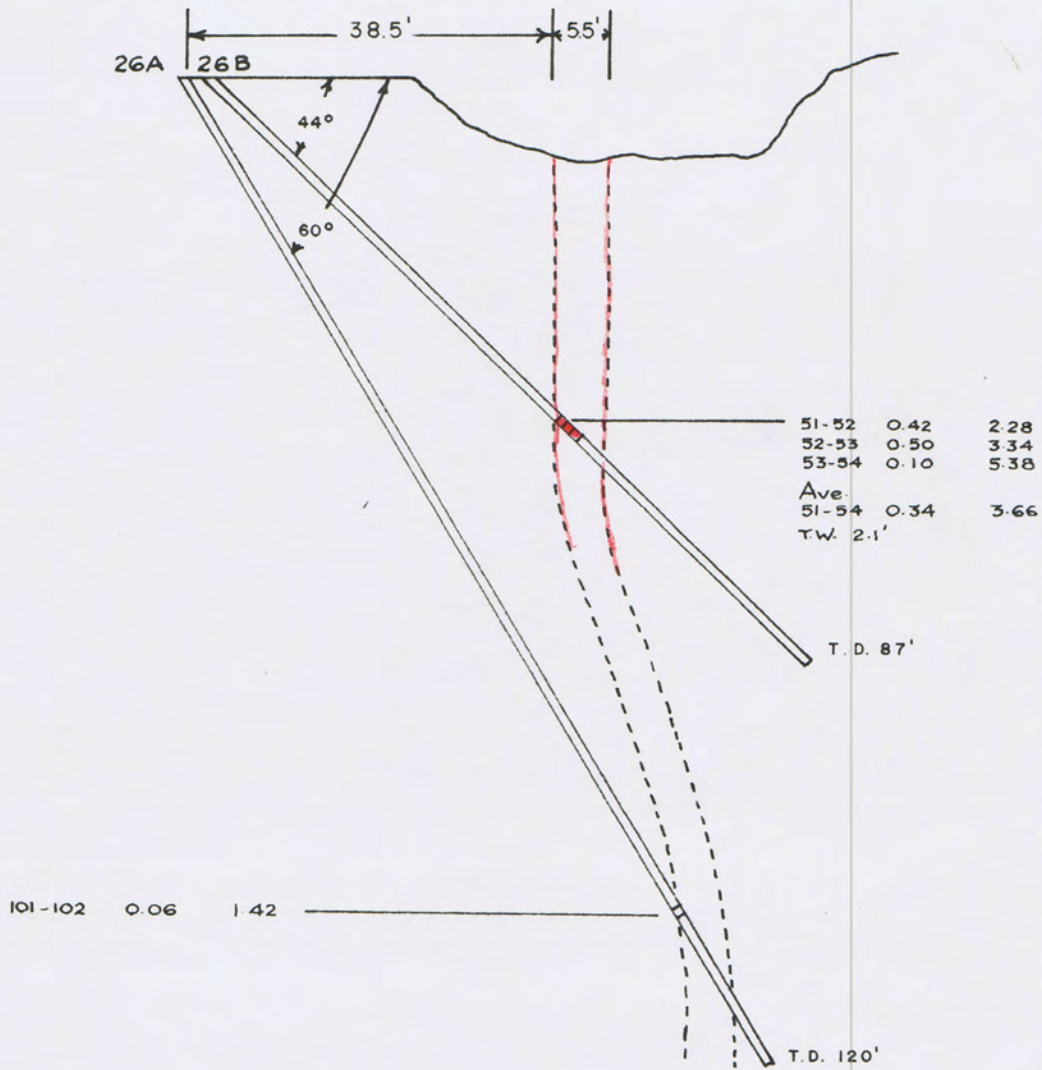


<b>MOUNT NANSEN MINES LTD.</b>
COPCO RIG
BORE HOLE No. 24 B
SCALE: 1" = 20'



**MOUNT NANSEN MINES LTD.**

COPCO RIG  
 BORE HOLE No. 25A & 25B  
 SCALE: 1" = 20'

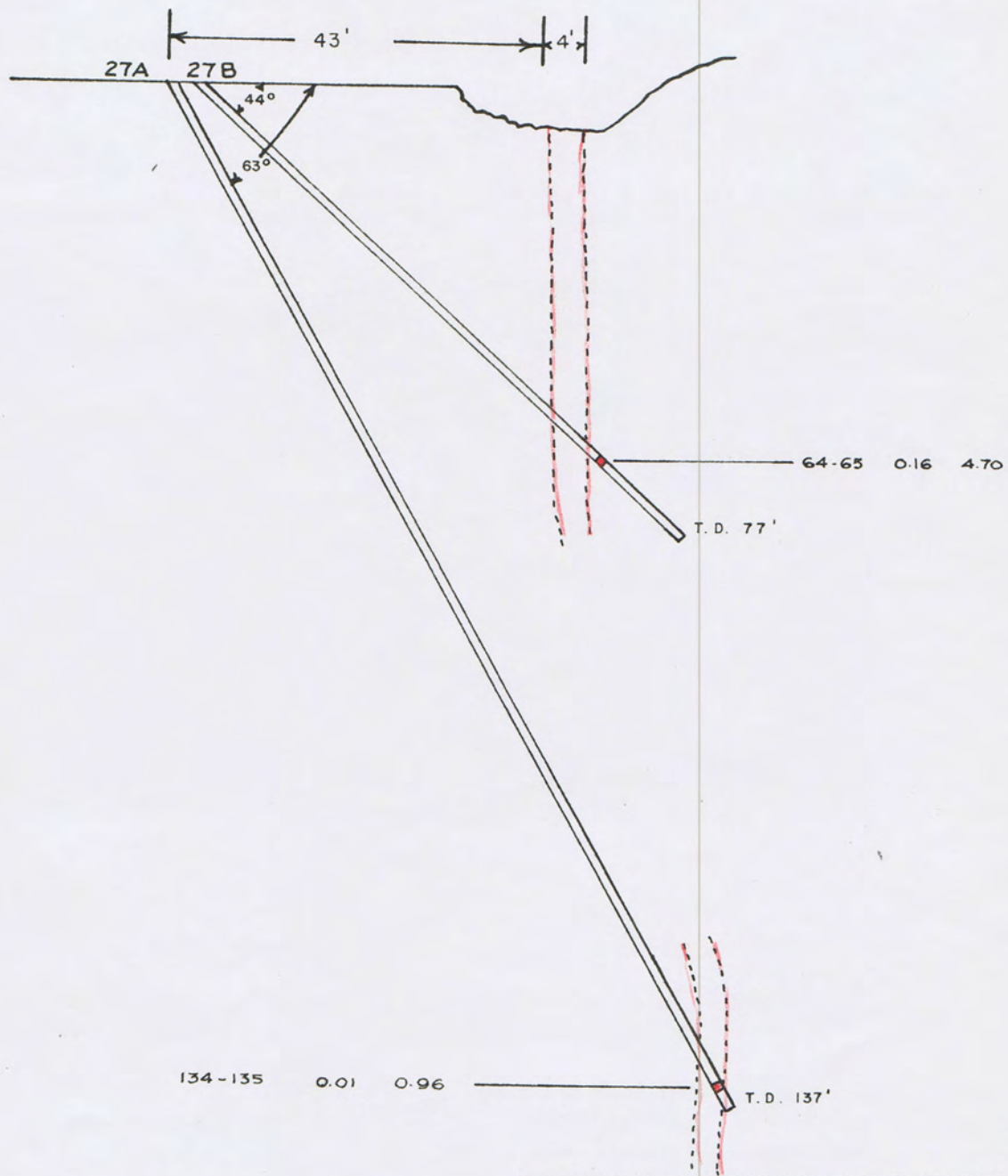


**MOUNT NANSEN MINES LTD.**

COPCO RIG

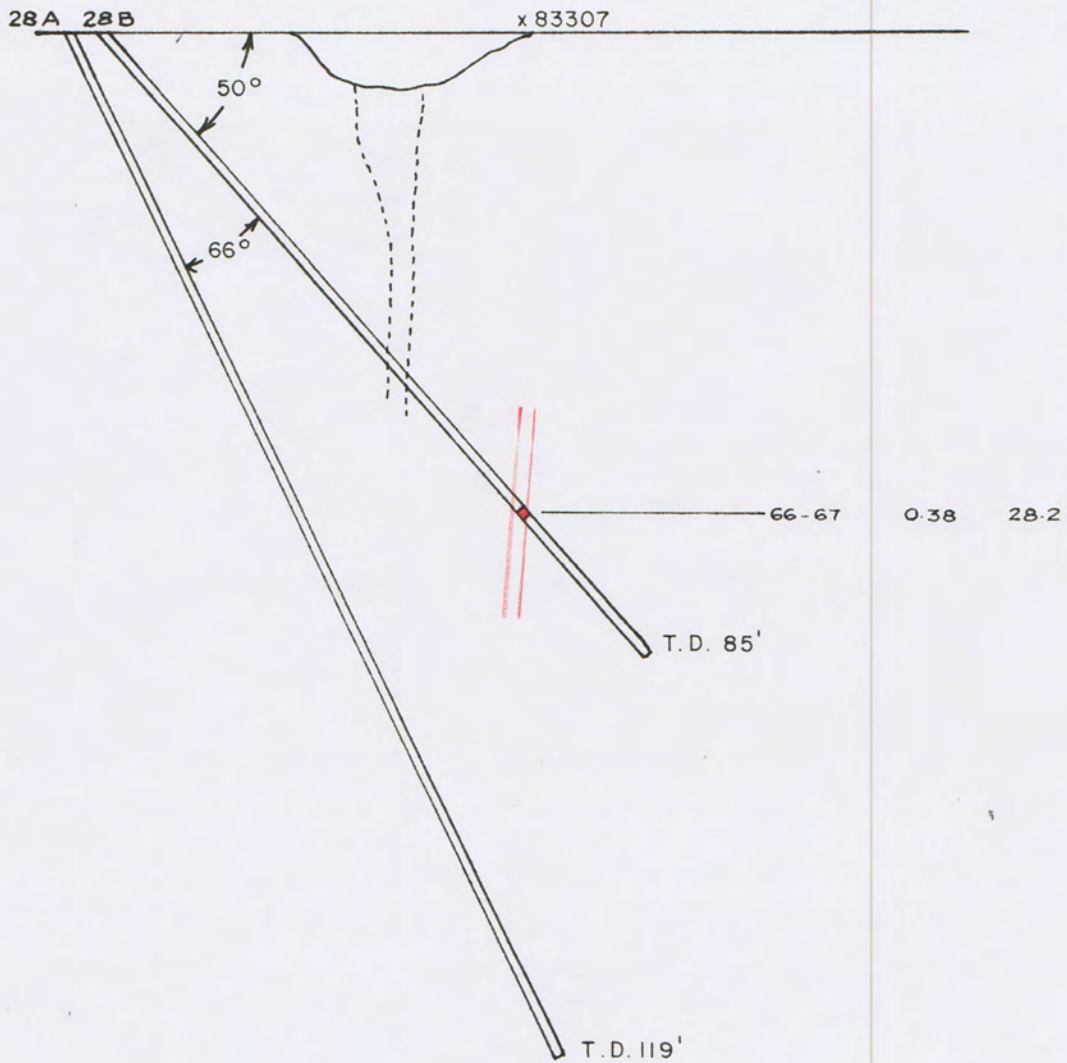
BORE HOLE No. 26A & 26B

SCALE: 1" = 20'



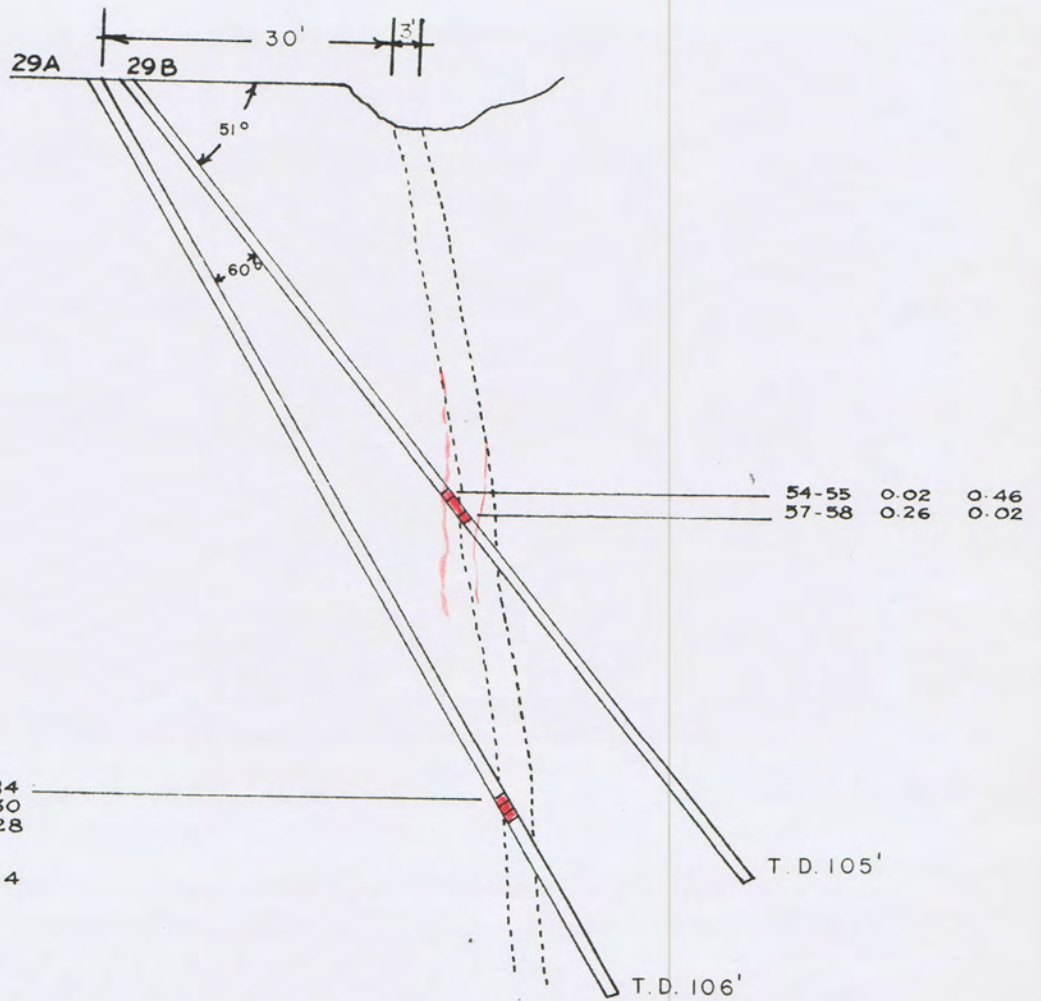
**MOUNT NANSEN MINES LTD.**

COPCO RIG  
 BORE HOLE No. 27A & 27B  
 SCALE: 1" = 20'



**MOUNT NANSEN MINES LTD.**

COPCO RIG  
 BORE HOLE No. 28A & 28B  
 SCALE: 1" = 20'

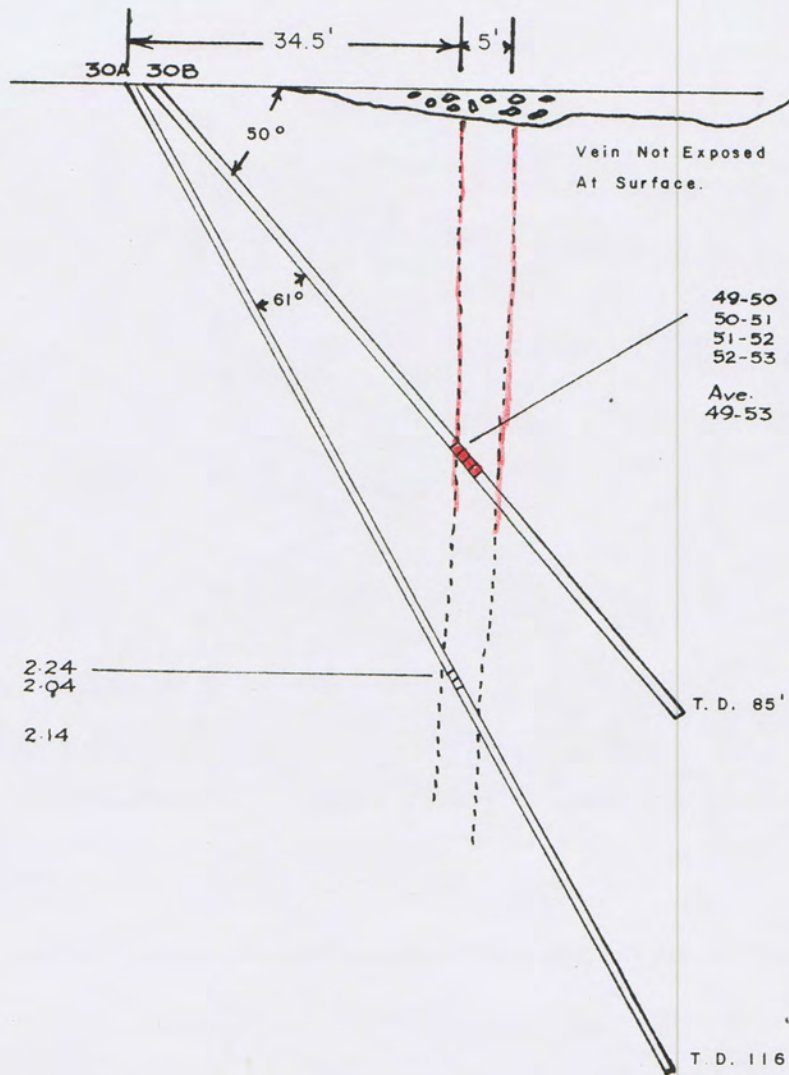


MOUNT NANSEN MINES LTD.

COPCO RIG

BORE HOLE No. 29A & 29B

SCALE: 1" = 20'



49-50	0.26	3.54
50-51	0.26	2.80
51-52	0.18	5.58
52-53	0.02	4.08
Ave. 49-53	0.18	4.00

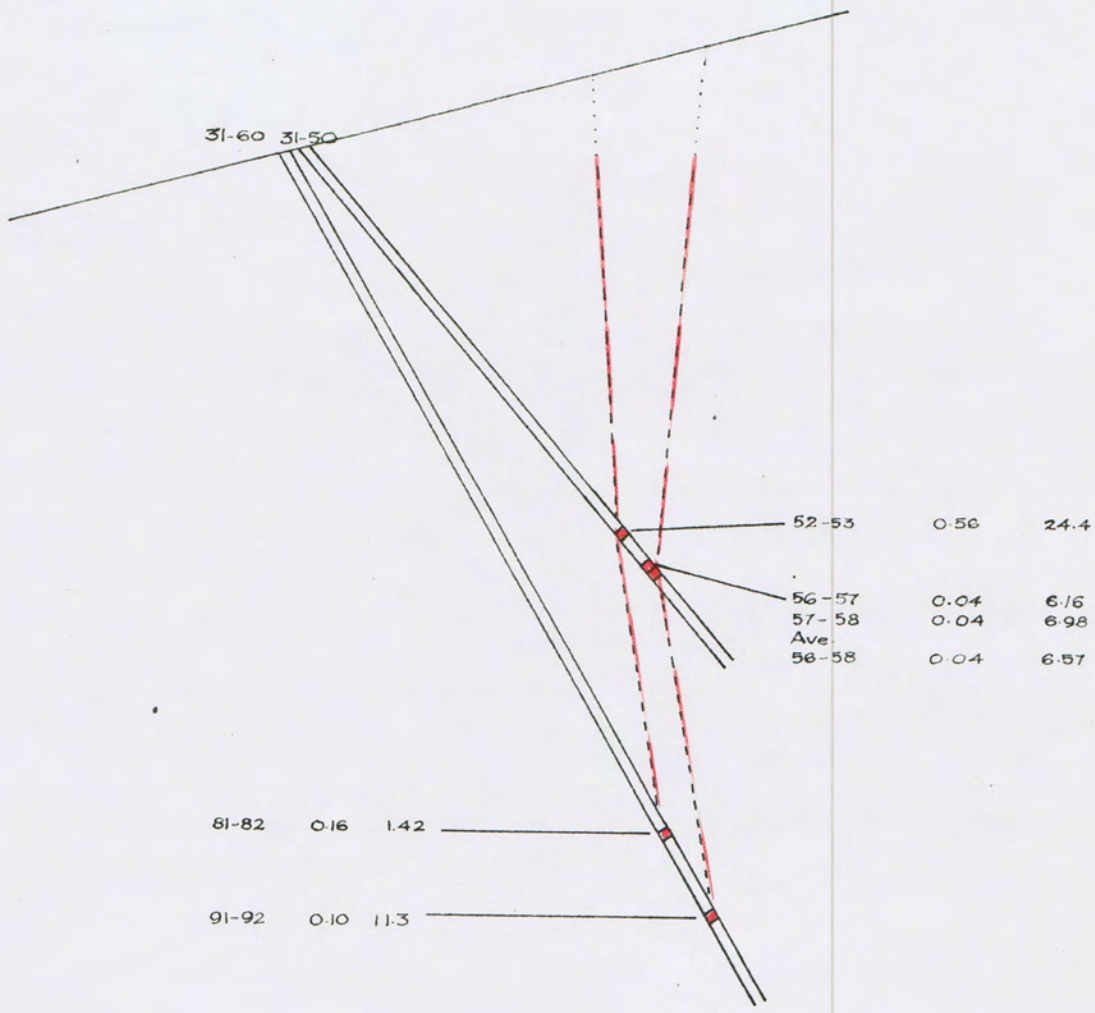
70-71	0.06	2.24
71-72	0.06	2.04
Ave. 70-72	0.06	2.14

**MOUNT NANSEN MINES LTD.**

**COPCO RIG**

**BORE HOLE No. 30A & 30B**

**SCALE: 1" = 20'**

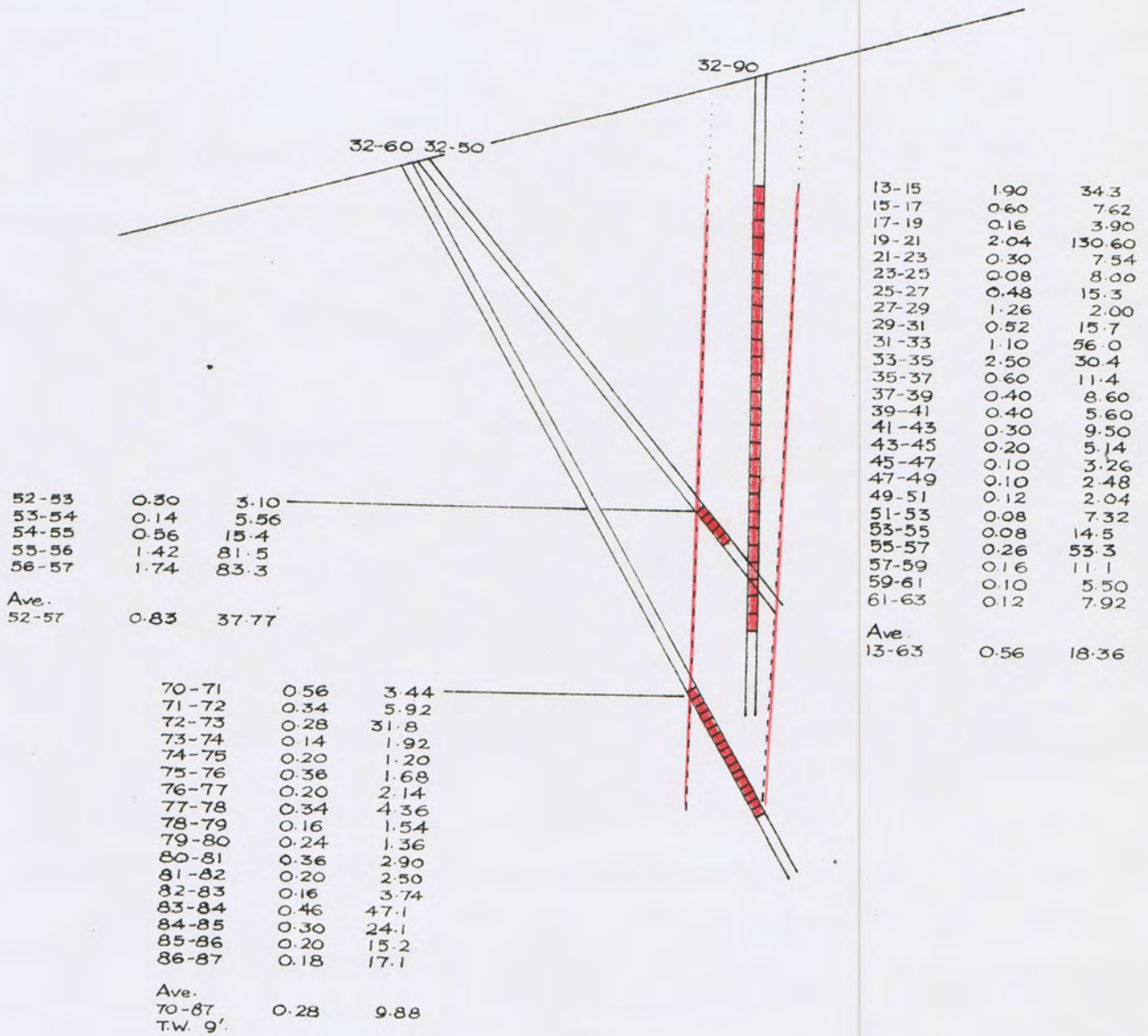


**MOUNT NANSEN MINES LTD.**

**COPCO RIG**

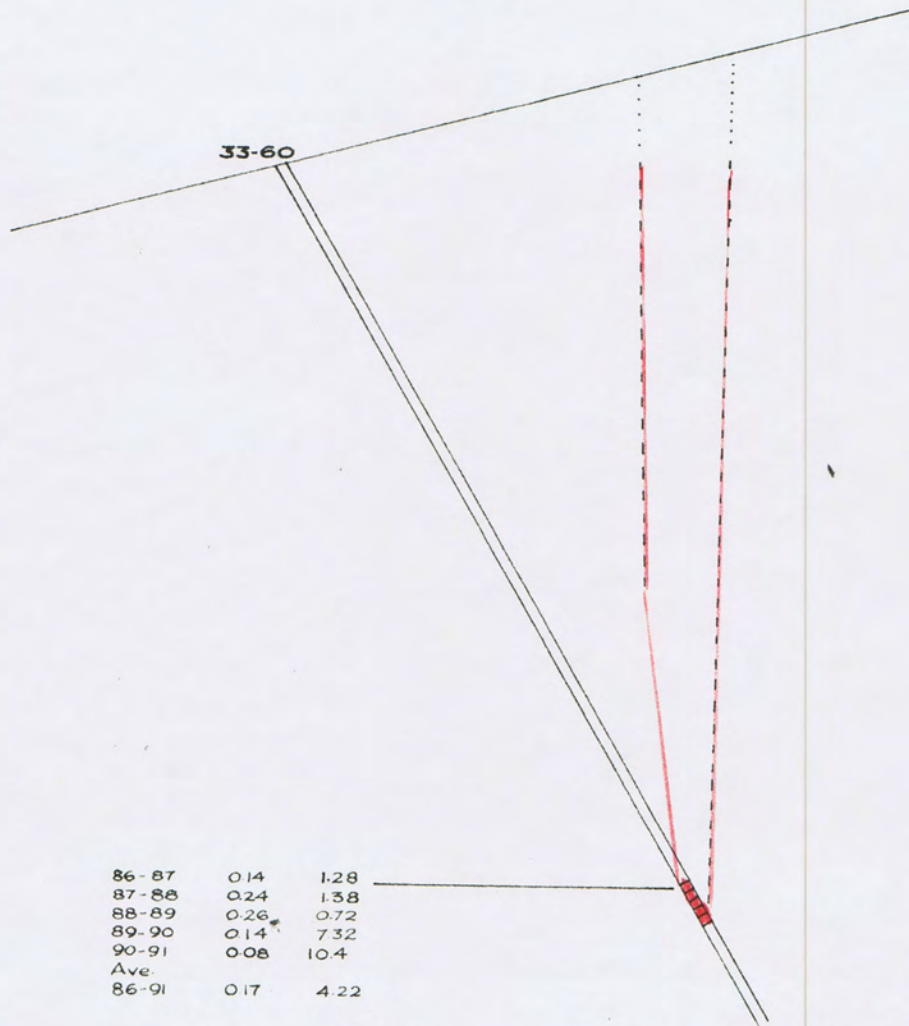
**BORE HOLE No. 31-60 $\phi$ 50**

**SCALE: 1" = 20'**



MOUNT NANSEN MINES LTD.

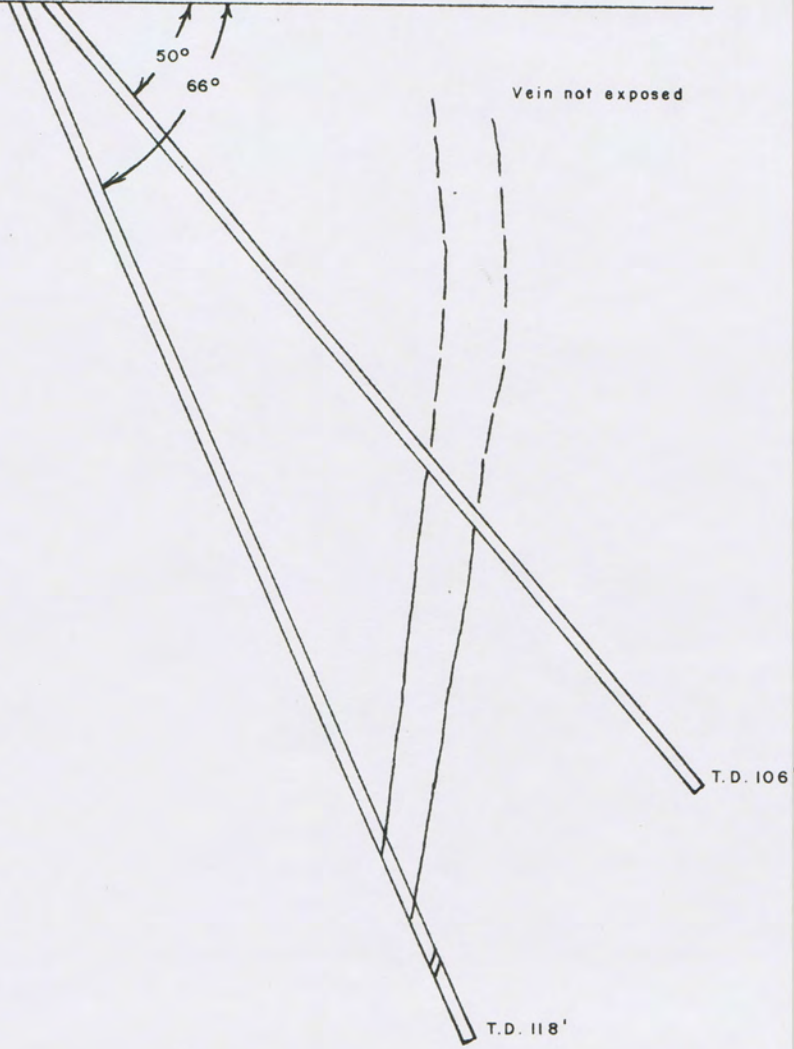
COPCO RIG  
BORE HOLE No. 32-60,50,90  
SCALE: 1" = 20'



MOUNT NANSEN MINES LTD.

COPCO RIG  
 BORE HOLE No. 33-60  
 SCALE: 1" = 20'

N 32° E



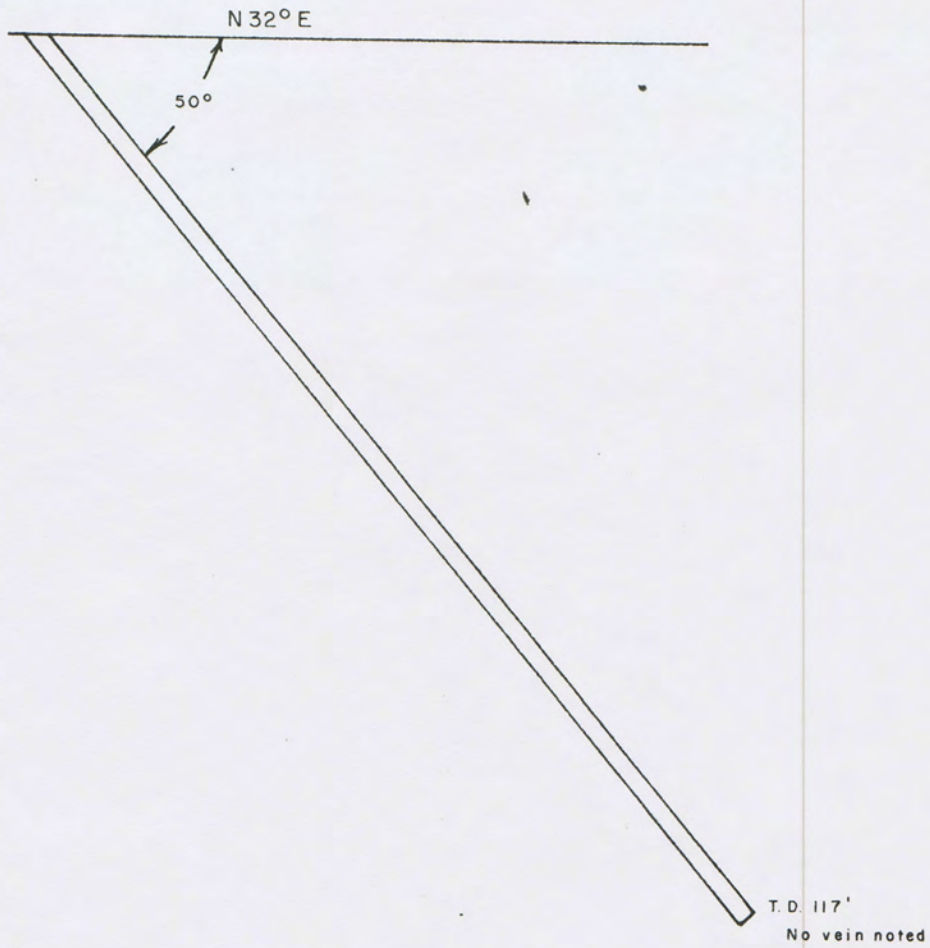
Vein not exposed

T.D. 106'

T.D. 118'

MOUNT NANSEN MINES LTD.

COPCO RIG  
BORE HOLE No. 34A & 34B  
SCALE: 1" = 20'

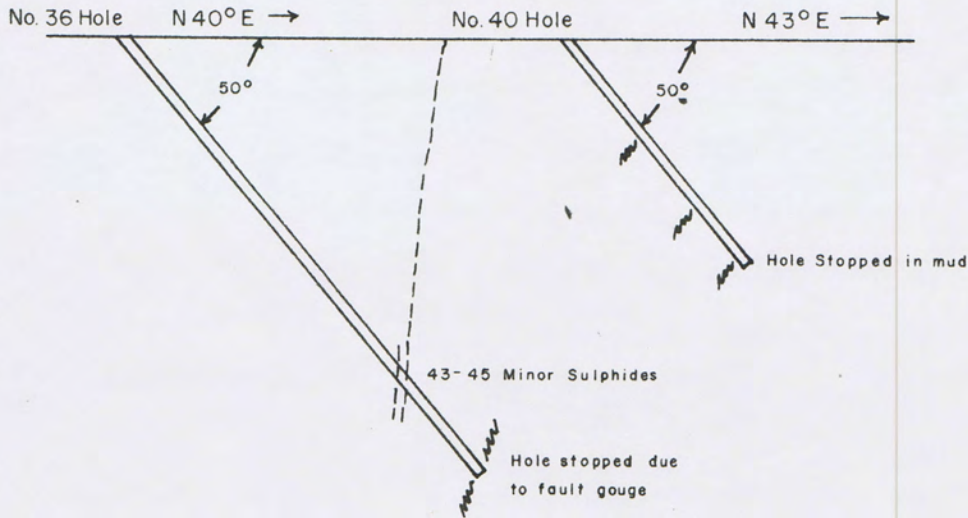


MOUNT NANSEN MINES LTD.

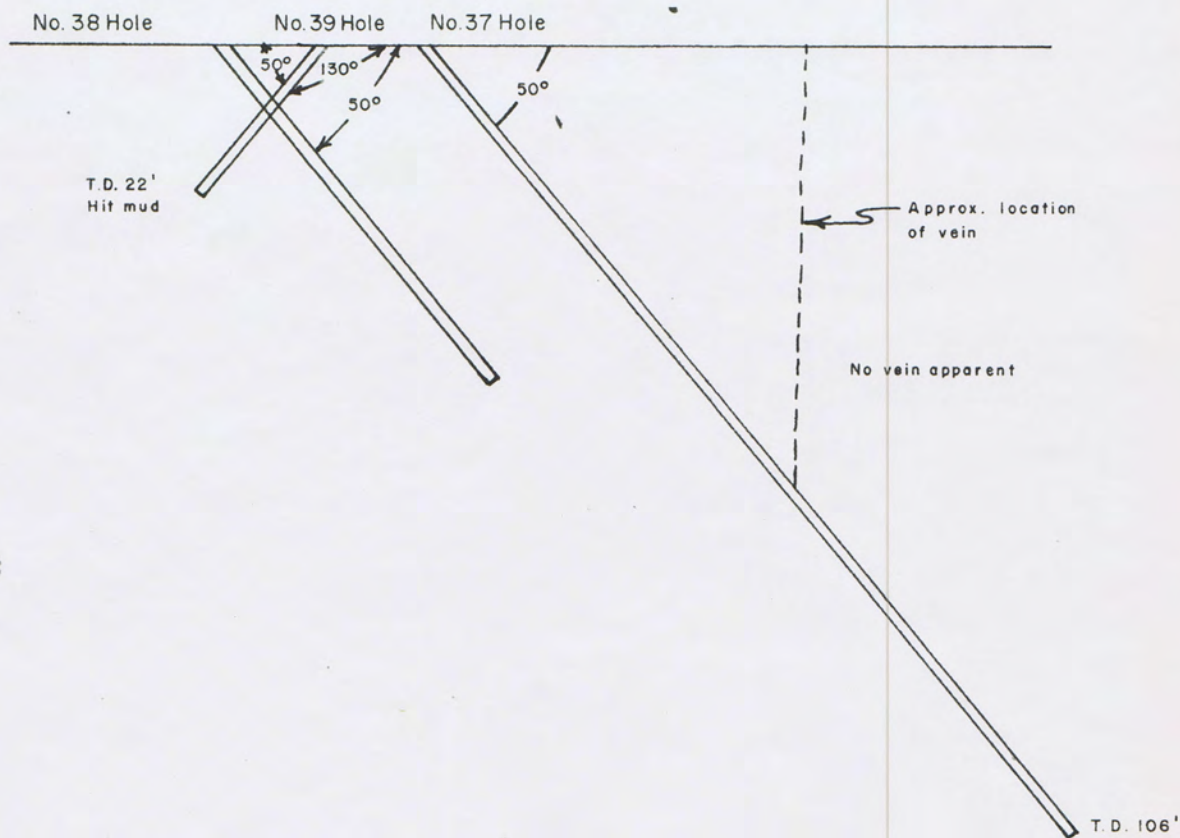
COPCO RIG

BORE HOLE No. 35A

SCALE: 1" = 20'



MOUNT NANSEN MINES LTD.
COPCO RIG
BORE HOLE No. 36A& 40A
SCALE: 1" = 20'



MOUNT NANSEN MINES LTD.

COPCO RIG

BORE HOLE No. 37A, 38A & 39A

SCALE: 1" = 20'