680635

GEOLOGICAL MAPPING, DIAMOND DRILLING AND RESERVE ESTIMATES OF WOLLASTONITE DEPOSIT MINERAL HILL CLAIM GROUP SECHELT AREA, B.C. VANCOUVER MINING DIVISION NTS 92 G/12 W LATITUDE 49°31'N, LONGITUDE 123°49'W

Prepared for

TRI-SIL MINERALS INC.

ARCTEX ENGINEERING SERVICES

Locke B. Goldsmith, P.Eng.
Consulting Geologist

Paul Kallock
Consulting Geologist

July 29, 1988

TABLE OF CONTENTS

GEOLOGICAL MAPPING, DIAMOND DRILLING AND RESERVE ESTIMATES OF WOLLASTONITE DEPOSIT MINERAL HILL CLAIM GROUP SECHELT AREA, B.C. VANCOUVER MINING DIVISION

SUMMARY

The Mineral Hill claim group is located 4.5 km northwest of Sechelt, B.C. Exploration during 1988 included road construction, diamond drilling, geological mapping, and core logging. An outcropping deposit of wollastonite is hosted in a calcareous pendant of metasedimentary rocks and skarn. Diorite of the Coast Plutonic Complex surrounds and intrudes this remnant of Karmutsen Formation (?) limestone.

Drill indicated probable and possible reserves outlined in the central part of the area total approximately 291,000 metric tonnes of wollastonite.

A programme of surface stripping and geological mapping, combined with computer modelling of the deposit and an investigation of garnet reserves, is recommended in the next exploration phase, which may require a budget of $48,400.

A subsequent phase of exploration using diamond drilling to upgrade reserve classification, extend definition of deposit boundaries, and delineate new reserves would require an expenditure of $387,000. Also included in this phase would be funds for bulk sampling and testing plus market studies, collection of baseline environmental data and prefeasibility studies.

Phase 3 would include feasibility studies and environmental studies which may require $250,000, for a total of $685,400 in the next three phases.

INTRODUCTION

The Mineral Hill claim group is located in the Vancouver Mining Division, 55 km northwest of Vancouver, B.C. The staked claims extend east from an L.C.P. located at the northwest end of Crowston Lake to Porpoise Bay at the south end of Sechelt Inlet. Elevation on the property rises from sea level in the east to 460 m above sea level in the west. Steep northwest-trending cliffs (±50 m high) occur in the central portion of the claims. The claims include co-ordinates N49°31' latitude, W123°49' longitude on NTS map sheet 92 G/12 W. The accompanying claim map shows the property to include eight reverted crown granted claims and two located mineral claims, comprising approximately 900 hectares (less two reverted crown granted claims, the Queen Anne and Bay No. 1).

Claim Name	*Lot No.*	*No. of Units*	*Record No.*	*Recording Date*
Mineral Mill #1		18	2000(10)	Oct. 20, 1986
Mineral Hill #2		18	2001(10)	Oct. 20, 1986
Kelvin Horley Langside	1698 1707 1699 }	1	1906(12)	Dec. 30, 1985
Joker Detroit	1702 1700 }	1	1907(12)	Dec. 30, 1985
Sechelt Success Fr.	1703 1696 }	1	1920(3)	Mar. 12, 1986
Thorne	1706	1	1921(3)	Mar. 12, 1986

Access to the property is gained from Sechelt, B.C., via the Snake Bay Road and a newly constructed mine access road which leads northerly into the drill area. Distance from the outskirts of Sechelt to the drill area is approximately 4.5 km.

Diamond drilling was carried out from February through April 1988. A transit survey was made of the drill area in May 1988 and mine coordinates established. Detailed geological mapping and core logging were carried out by the authors. The 1988 exploration programme is documented by the present report.

REGIONAL GEOLOGY

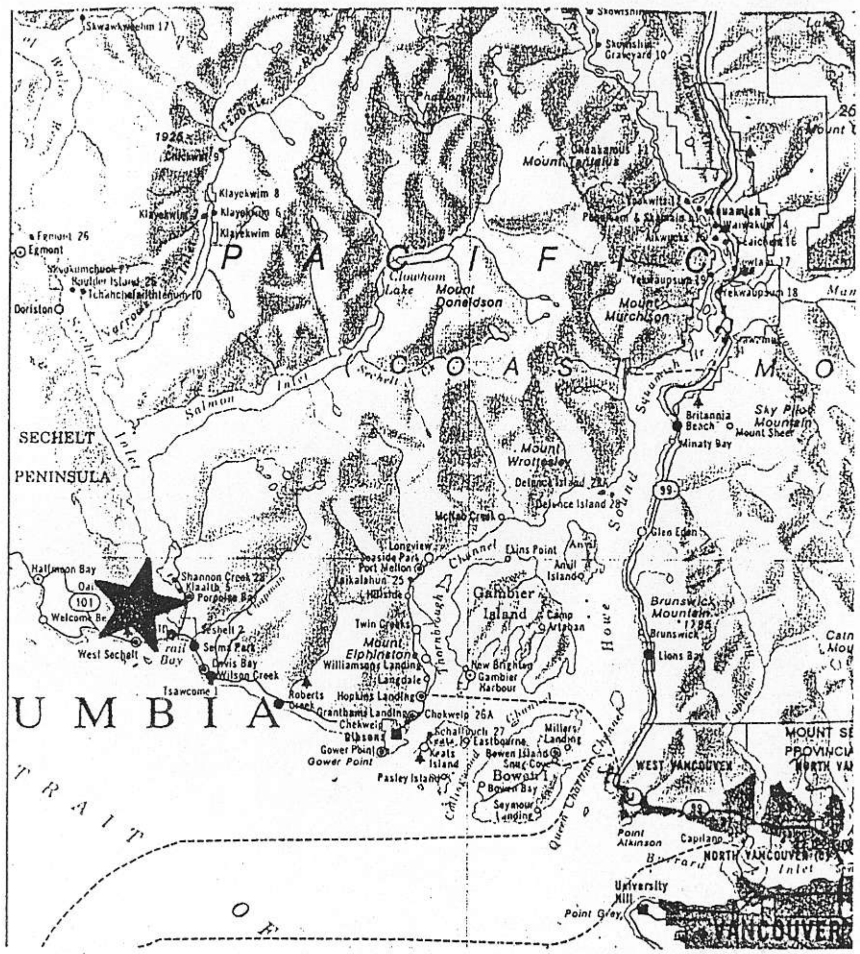
The Mineral Hill property lies along the western edge of the Coast Plutonic Complex (C.P.C.). This long (1700 km), narrow (100 km) belt of chiefly intermediate and basic plutonic rocks extends the entire length of British Columbia and north into southeast Alaska and Yukon

TRI-SIL MINERALS INC.

LAT. 49° 31' N LONG. 123° 48' W

MINERAL HILL CLAIM GROUP

SECHELT AREA B.C. VANCOUVER MINING DIVISION N.T.S. 92G / 12W



Location Map

N

0 5 10 Km. 25

1 : 625,000

To accompany report by

LOCKE B. GOLDSMITH, P.Eng.
Consulting Geologist

PAUL KALLOCK
Consulting Geologist

REGISTERED PROFESSIONAL ENGIN
L. B. GOLDSMITH
PROVINCE OF ONTARIO

ARCTEX ENGINEERING SERVICES

July 1988

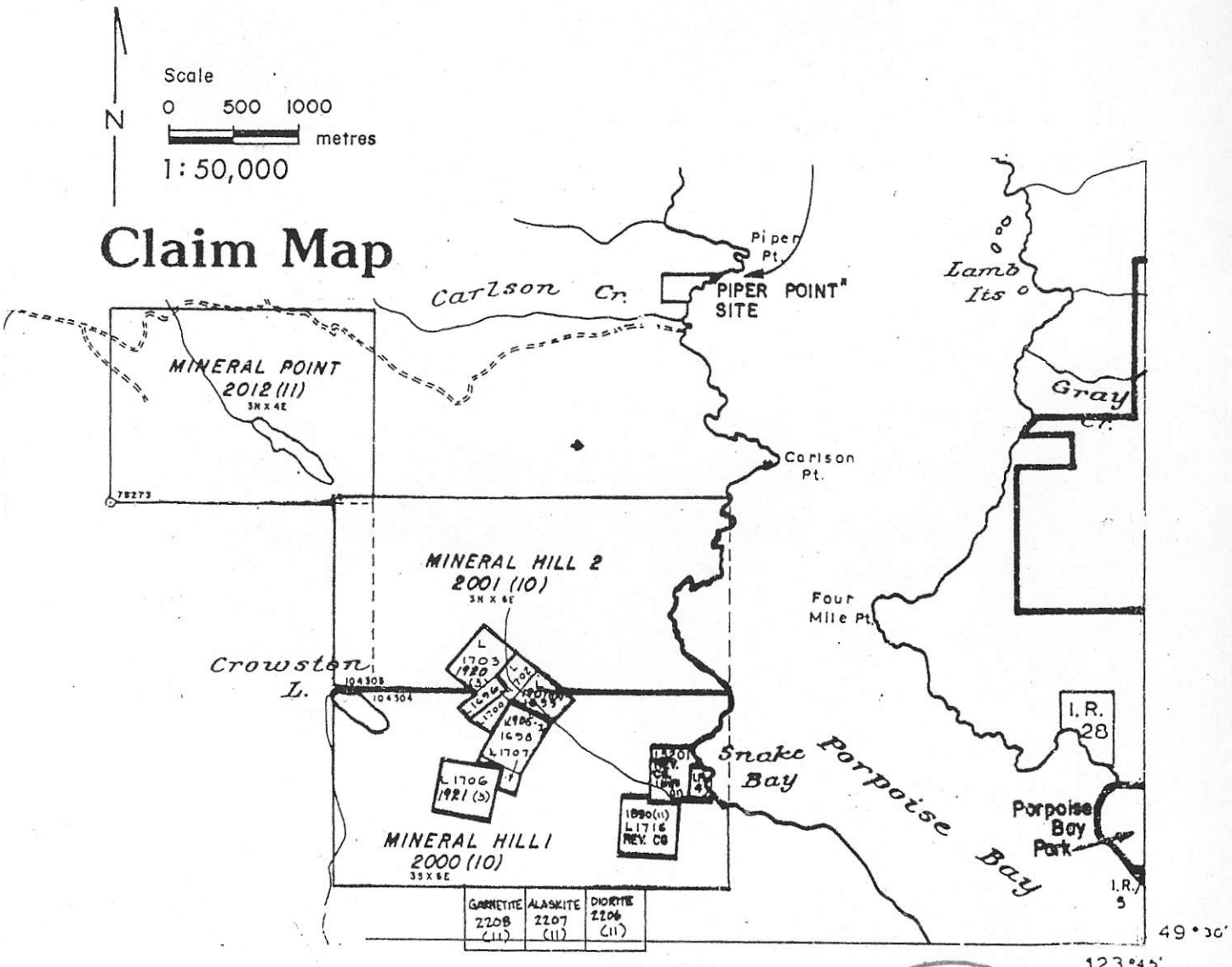
TRI-SIL MINERALS INC.

LAT. 49° 31' N LONG. 123° 48' W

MINERAL HILL CLAIM GROUP

SECHELT AREA B.C. VANCOUVER MINING DIVISION N.T.S. 92G / 12W

Claim Map



To accompany report by

LOCKE B. GOLDSMITH, P.Eng.
Consulting Geologist

PAUL KALLOCK
Consulting Geologist

ARCTEX ENGINEERING SERVICES

REGISTERED PROFESSIONAL ENGINEER
L. B. GOLDSMITH
PROVINCE OF ONTARIO

July 1988

Territory. Isotopic ages across this belt range from Early Cretaceous on the west to Late Cretaceous near the axis, and to Tertiary on the east side. Bodies of volcanic sedimentary and metamorphic rocks from at least as old as Devonian up to mid-Cretaceous occur as pendants within the C.P.C. Geology of the belt has been summarized by Roddick (1970, 1983) and Price et al. (1985).

B.C. Department of Mines and Petroleum Resources' mineral inventory shows a limestone occurrence, "Peninsula lime", situated 7 km northwest of the Mineral Hill property. This occurrence occupies a large north-to-south-trending fault-bounded sedimentary and volcanic pendant of Upper Triassic Karmutsen Formation. A smaller sedimentary pendant consisting of predominantly limestone and calc-silicate/skarn assemblages occupies the central portion of the map-area.

PROPERTY GEOLOGY

Lithologies

In May 1988 a transit survey was initiated in the central part of the claim area to accurately establish horizontal and vertical control of 1987 and 1988 diamond drill holes and roads. Subsequently geological mapping was carried out at a scale of 1:500. A geology map and drill hole profiles are included in the back of this report.

Mapping shows the Mineral Hill claims are underlain predominantly by medium-grained melanocratic hornblende diorite. Grain-size and textural variations suggest the intrusive is heterogeneous. Locally foliated leucocratic quartz diorite and biotite hornblende varieties occur. Plagioclase-rich pegmatitic segregations occur as isolated bodies within intrusives, metasediments, and are preferentially located close to the contact of the pendant and diorite. The diorite is foliated proximal to the pendant contacts.

Andesitic dykes intrude both the pendant rocks and surrounding diorite on the property. A spatial association with dyke-like bodies and domes of medium-grained diorite is evident at 9,978N 10,088W along the road. The dykes are blackish-green in colour, aphanitic to almost chert-like in texture, with rare (<5%) euhedral hornblende porphyroblasts (to 1 cm). The chert-like varieties are well fractured with 1-cm wide alteration envelopes. Where fracture frequency is highest and metasomatic alteration is greatest, anhedral clots of white plagioclase have grown, resulting in a porphyritic appearance. The dykes rarely exhibit chilled margins and rarely exceed 0.25 m in width at this location.

Limestone outcrops are common on the property. Areas of depression also mark limestone occurrences. Dissolution of limestone along prominent joint planes (045°/85°N; 140°/80°S to 90°) has produced deep, extensive, and connected sink holes and karsts. The limestone is generally thinly bedded, alternately dark and light grey in colour, and crystalline. Compositional layering varies

from 5 mm to 25 mm, though massive varieties of coarsely crystalline limestone occur locally. The colour index is indicative of the relative purity (darker = the greater amount of impurities). Pyrite, carbonaceous material (organic) and clays constitute the majority of accessory inclusions.

The limestone has flowed plastically in response to the deformation which accompanied regional metamorphism and intrusion. Thin interbedded siliceous layers have been boudinaged, brecciated, and in places been strung out and rotated, forming augen-limestone. The augen are composed of coarse (recrystallized) calcite, garnet, silica, and garnet intergrown with wollastonite. The skarn-altered augen often show bedding-specific replacement by either garnet or wollastonite. More commonly the augen are subangular to rounded and mono-mineralic. Aphanitic, grey silica cores of siliceous augen are only partially replaced by wollastonite. Large angular breccia fragments (0.5 m) of wollastonite occupy intervals within massive, coarse, crystalline limestone.

Narrow sections of calcitic marble occupy the contact zones of dykes where they cut limestone. The marble is a contact metamorphic feature and consists of a medium to coarsely crystalline, in general equigranular texture of intergrown calcite, ± garnet, diopside, and wollastonite.

Calc-silicate is used to describe those thinly laminated (1 mm to 5 cm), fine- to medium-grained, white to light-greenish rocks that contain minor garnet. These rocks consist of various proportions of dense crystalline lime silicates.

Variably striped maroon, green and yellowish-white coloured skarn assemblages are well exposed along the upper road in the central drill area. The banding/layering which is discontinuous and gently warped, is interpreted to represent primary compositional layering. This banded skarn trends generally northeasterly to east-west and dips variably north or south. Mineral assemblages consist primarily of garnets, diopside, plagioclase ± wollastonite ± sulphides of Fe, Zn and Cu. Fractures cross-cutting this unit contain wollastonite and calcite.

Garnetite rock occupies zones peripheral to diorite. These rocks are vitreous, dark purple, green or reddish brown coloured and composed of greater than 85% massive garnet. Accessories include diopside, wollastonite, pyrite and calcite-filled fractures.

Structure

The metasedimentary pendant trends approximately north-south. The eastern contact zone (not exposed) is concave to the west and crosscuts the northeast-trending metasediments at a high angle in the northern portion of the map area. In the south the eastern contact swings to a northeast-southwest trend which parallels the strike of pendant rocks. The western pendant/intrusive contact is irregular and poorly defined.

Primary bedding(?)/compositional layering are accentuated by the banded skarn and preserved in sections of the calc-silicate assemblages. Bedding within the limestones has been transposed during plastic deformation. The metasediments strike generally northeasterly with moderate to steep westerly dips.

Small-scale folding of bedding (?) was previously noted in the hole 88-12 collar area (Goldsmith and Logan, 1987). Folds are asymmetric, southwest-verging, with fold axes which plunge moderately to the west, typically 40-60° at 280°Az. Highly contorted boudins, rootless folds and augen occur throughout, although particularly close to the margins of limestone bands. Elongation lineations parallel the main northeast foliation.

Dyking appears to be localized along east-west trends (±10°), which corresponds to AC joints (parallel to fold axes). The andesite dykes and main intrusive body are well jointed. Jointing is less well developed in the banded skarn. Garnetite rocks exhibit an irregular fracture. Limestone is jointed along widely spaced sets which have provided avenues for dissolution and the development of karsting. Parallel to the eastern intrusive contact and extending along its length is an exfoliation/sheeting foliation which dips generally 50-60° easterly.

Several faults have been observed on surface and in drill intersections. At 9,925N 10,105W, north of DDH 87-6, east- to northeast-trending faults are exposed in the road cut. A possible northeast trend of this fault zone is expressed as a sharp change in slope below the quartzite bluffs near hole 88-6.

At 10,047N 10,046W, south of hole 88-3, a northwest-trending fault which dips 65° to the northeast shows slickensides on the footwall which plunge 17° toward the northwest. This fault may have been represented in hole 87-3 as soft, weathered, friable, and locally brecciated calc-silicate with questionable but low wollastonite values in the area above 38.87 m. In hole 88-3 broken, shattered and rehealed skarn above 7.13 m may define the fault trace. Influence of this fault with regards to wollastonite is speculative. From the wollastonite distributions shown on the level plans, it can be seen that a major broadening of the deposit begins south of hole 88-3.

At 10,110N 10,050W, north of hole 88-7, another northwest-trending fault which dips 72° northeast is present in fractured diorite. It may also be correlated with altered and broken zones in the upper parts of hole 87-2.

Most of the lower level drill holes, and in particular 88-2, display zones of faulting in the upper portion of the core, generally near the metasediment or skarn contact with the diorite. Argillic and/or siliceous alteration is strong in these areas.

DIAMOND DRILL PROGRAMME

In 1987, eight diamond drill holes were cored for a total of 742.38 m. In 1988, an additional 16 holes totalling 977.15 m, were drilled. The following table presents a drill summary. More detailed information is provided on individual drill logs in the Appendix. Drill holes are also depicted on individual vertical drill profiles in the back of this report.

Drill Hole Data

Hole No.	*Length (metres)*	*Grid Azimuth (degrees)*	*Dip Angle (metres)*	*Collar Elevation Mine Datum (metres)*
MH 87-1	93.60	249°02'	40°00'	1011.17
MH 87-2	152.44	230°30'	40°00'	1001.84
MH 87-3	98.48	246°20'	42°31'	995.94
MH 87-4	45.73	220°00'	40°00'	1068.51
MH 87-5	70.55	346°11'	41°49'	1068.10
MH 87-6	64.94	226°12'	39°54'	1050.19
MH 87-7	139.02	217°00'	40°00'	1043.50
MH 87-8	107.62	323°07'	43°02'	1042.72
	742.38			
88-1	60.98	265°27'	42°43'	999.53
88-2	74.70	266°10'	46°50'	998.46
88-3	64.33	271°35'	42°57'	1008.45
88-4	62.50	285°32'	41°06'	1009.75
88-5	70.43	283°53'	40°29'	1009.68
88-6	76.52	320°28'	40°51	1023.44
88-7	38.41	267°45'	45°28'	1000.59
88-8(A)	12.20	274°55'	60°	1006.41
88-8(B)	63.72	274°55'	40°38'	1006.41
88-9	67.38	227°14'	43°12'	1037.40
88-10	81.40		90°	1040.87
88-11	44.21	274°52'	41°08'	1043.50
88-12	50.91	165°23'	56°24'	1073.44
88-13	44.82	243°58'	42°13'	1075.66
88-14	60.98	105°38'	43°25'	1080.39
88-15	103.66	328°22'	42°08'	1053.05
	977.15			

742.38
17 19.53

The core from both the 1987 and 1988 drilling programmes is stored in racks in a building on the property. All of the core has been logged in a systematic fashion. Wollastonite, garnet, calcium carbonate, diopside-epidote, and quartz-quartzite-chert have been individually noted and a visual estimate of their percentages has been recorded in the logs. At this time, only the wollastonite has been correlated between holes to calculate reserves. A large volume of garnet, considerably in excess of wollastonite, is present in the drill area.

RESERVE ESTIMATES

The following steps were used for establishing grade and tonnage of wollastonite.

1. Surface geological mapping established areas of wollastonite mineralization and trends of bedding, foliation, and possible fault structures. An approximate visual grade of wollastonite was assigned to outcrops or portions of outcrop. Surface exposures of bedrock are incomplete, thus weighting of wollastonite grade to underlying reserve blocks was used subjectively. Generally, if surface mineralization showed grades approaching underlying drill hole values, the average grade of drill hole intersections was used to calculate reserves. It is anticipated that stripping as recommended in the next work programme will improve the confidence level of the near-surface portion of the reserves.

2. Diamond drill holes were logged and visual estimates of wollastonite were made. Intervals were defined by change in lithology, mineralogy, or abrupt change of wollastonite grade. Intervals have been averaged to maintain the greatest length of intersection containing more than 40% wollastonite. Many drill holes show abrupt change from 10-20% wollastonite content to greater than 50% wollastonite. Several drill hole intersections could not be averaged over significant lengths and still maintain ≥40%) wollastonite. In these instances, blocks which contained slightly less than 40% and are contiguous to higher grade blocks, have been included in reserve calculations.

3. Level plans (horizontal sections) have been constructed at 10 m vertical intervals for the central drill area. These plans include projection of surface geological information including wollastonite mineralization from 5 m above to 5 m below the plan elevation. Also included was drill hole information from an equal distance above and below the level elevation. From these maps, outlines of wollastonite generally grading more than 40% have been drawn. These outlines have been divided into polygonal blocks which reflect the influence of grade from adjacent diamond drill hole intersections. A level plan for each 10 m from 1070 m to 970 m elevation is included in the back of this report.

4. Volume of each reserve block has been calculated by multiplying the area of each block (square metres) by a vertical distance (5 metres above each level to 5 metres below each level) of 10 m. Volume is then calculated by multiplying the cubic metres by the percentage of wollastonite in the appropriate diamond drill hole intersection. Metric tonnes of wollastonite are determined by multiplying the volume of wollastonite by its specific gravity, which is 2.85 gm/cc, or 2.85 t/m^3.

5. Internal waste has not been calculated but is restricted to narrow andesite dykes which might be mined separately. Volume of dykes is a very small percentage of the estimated wollastonite.

Table 1 summarizes reserves of wollastonite in the central zone where good correlation between drill holes and surface is indicated.

The reserve estimate of this report is centred upon the visual recognition of wollastonite in hand samples of both drill core and outcrop exposures. In addition, one whole rock analytical sample of a composite of drill core samples and an X-ray spectrographic analysis of low grade (–10% wollastonite) material has helped to clarify the appearance of carbonate which contains small amounts of wollastonite. These analytical results are shown in the Appendix.

In general, core recovery for the diamond drill programmes has been mostly 80-90%. Poor recovery (2%) is generally confined to the upper weathered portions or fault zone portions of drill holes. Therefore drill intersections give a more complete appraisal of wollastonite grade and width than do the surface outcrops.

Approximately 150 m of strike length of wollastonite mineralization can be correlated with confidence between DDH 88-8 and 88-4. This includes intersections in seven drill holes. These intersections can be projected to the surface where the zone is manifested by scattered wollastonite-bearing outcrops. Likewise it is not unreasonable to project these drill intersections 10-20 m down-dip or below the drill intercepts to an elevation which corresponds to the lowest drill intercept (959 m elevation in 87-3).

At the north end of the central zone, block #1, which includes the area of DDH 88-8, is outlined with a high level of confidence because of the presence of 50% wollastonite in overlying outcrops which lie along the general trend of the mineralized zone.

The foregoing discussion of grade determination is applicable to the other drill hole intercepts and surface exposures in the central part of the drill area. South of DDH 88-3 the wollastonite zone broadens upward to the west. The footwall appears to dip gently to the east and has been penetrated in DDH 88-9, 88-10, 87-3, 88-4, and 88-11. The east wall remains steep, as seen in the lower seven holes. Surface exposures are also more abundant in this area. A moderate degree of confidence can be assumed for continuity and grade between drill holes in this area. Most reserve blocks contain a "probable" classification.

A slightly lesser degree of confidence must be assigned to DDH 87-8 (blocks 9 and 11) because of a wide intersection of post-mineral andesite dyke within the ore zone. The drill hole probably followed the strike of a narrow dyke. This can be deduced form the narrow, 1.5 m intersection of andesite in DDH 88-9 which was drilled perpendicular to 87-8. Blocks 9 and 11 are classified as possible reserves.

TABLE 1

DRILL INDICATED PROBABLE AND POSSIBLE RESERVES

CENTRAL ZONE

Level No.	Reserve Category	Block No.	m^3	Thickness m	Wollastonite Zone m^3	Wollastonite Grade %	Wollastonite m^3	Metric Tonnes Wollastonite (vol x 2.8 gm/cc)		Wollastonite Cumulative Metric Tonnes
								Possible	Probable	
1070	Prob	13	278	10	2,780	43	1,195.4		3,406.89	
					2,780		1,195.4		3,406.89	3,406.89
1060	Prob	9	222	10	2,220	52	1,154.4		3,290.04	
	Prob	11	374	10	3,740	43	1,608.2		4,583.37	
	Prob	13	70	10	700	63	441.0		1,256.85	
					6,660		3,203.6		9,130.26	12,537.15
1050	Poss	9	256	10	2,560	39	998.4	2,845.44		
	Prob	10	322	10	3,220	52	1,674.4		4,772.04	
	Poss	11	82	10	820	42	344.4	981.54		
	Prob	12	74	10	740	52	384.8		1,096.68	
	Prob	13	78	10	780	63	491.4		1,400.49	
					8,120		3,893.4	3,826.98	7,269.21	23,633.34
1040	Prob	8	242	10	2,420	75	1,815.0		5,172.75	
	Poss	9	520	10	5,200	39	2,028.0	5,779.80		
	Prob	10	284	10	2,840	52	1,476.8		4,208.88	
	Poss	11	100	10	1,000	42	420.0	1,197.00		
	Prob	12	210	10	2,100	52	1,092.0		3,112.20	
	Prob	13	118	10	1,180	63	743.4		2,118.69	
					14,740		7,575.2	6,976.80	14,612.52	45,222.66
1030	Prob	8	668	10	6,680	53	3,540.4		10,090.14	
	Poss	9	526	10	5,260	39	2,051.4	5,846.49		
	Prob	10	170	10	1,700	52	884.0		2,519.40	
	Poss	11	80	10	800	42	336.0	957.6		
	Prob	12	366	10	3,660	52	1,903.2		5,424.12	
	Prob	13	170	10	1,700	63	1,071.0		3,052.35	
					19,800		9,786.0	6,804.09	21,086.01	73,112.76

TABLE 1 (continued)

Level No.	Reserve Category	Block No.	m^3	Thickness m	Wollastonite Zone m^3	Wollastonite Grade %	Wollastonite m^3	Metric Tonnes Wollastonite (vol x 2.8 gm/cc)		Wollastonite Cumulative Metric Tonnes
								Possible	Probable	
1020	Prob	2	270	10	2,700	43	1,161.0		3,308.85	
	Prob	3	148	10	1,480	63	932.4		2,657.34	
	Prob	4	40	10	400	65	260.0		741.00	
	Prob	5	92	10	920	58	533.6		1,520.76	
	Prob	7	306	10	3,060	40	1,224.0		3,488.40	
	Prob	8	610	10	6,100	58	3,538.0		10,083.30	
	Poss	9	430	10	4,300	39	1,677.0	4,779.45		
	Prob	10	144	10	1,440	52	748.8		2,134.08	
	Poss	11	134	10	1,340	42	562.8	1,603.98		
	Prob	12	310	10	3,100	52	1,612.0		4,594.20	
	Prob	13	56	10	560	63	352.8		1,005.48	
					25,400		12,602.4	6,383.43	29,533.41	109,029.60
1010	Prob	1	266	10	2,660	56	1,489.6		4,245.36	
	Prob	2	300	10	3,000	43	1,290.0		3,676.50	
	Prob	3	356	10	3,560	63	2,242.8		6,391.98	
	Prob	4	310	10	3,100	65	2,015.0		5,742.75	
	Prob	5	226	10	2,260	58	1,310.8		3,735.78	
	Prob	6	220	10	2,200	55	1,210.0		3,448.50	
	Prob	7	254	10	2,540	40	1,016.0		2,895.60	
	Prob	8	460	10	4,600	42	1,932.0		5,506.20	
	Prob	9	732	10	7,320	52	3,806.4		10,848.24	
					31,240		16,312.6	0	46,490.91	155,520.51
1000	Prob	1	454	10	4,540	56	2,542.4		7,245.84	
	Prob	2	290	10	2,900	43	1,247.0		3,553.95	
	Prob	3	386	10	3,860	63	2,431.8		6,930.63	
	Prob	4	332	10	3,320	65	2,158.0		6,150.30	
	Prob	5	256	10	2,560	58	1,484.8		4,231.68	
	Prob	6	240	10	2,400	55	1,320.0		3,762.00	
	Prob	7	260	10	2,600	40	1,040.0		2,964.00	
	Prob	8	354	10	3,540	36	1,274.4		3,632.04	
	Prob	9	336	10	3,360	52	1,747.2		4,979.52	
					29,080		15,245.6	0	43,449.96	198,970.47

TABLE 1 (continue)

Level No.	Reserve Category	Block No.	m^3	Thickness m	Wollastonite Zone m^3	Wollastonite Grade %	Wollastonite m^3	Metric Tonnes Wollastonite (vol x 2.8 gm/cc) Possible	Metric Tonnes Wollastonite (vol x 2.8 gm/cc) Probable	Wollastonite Cumulative Metric Tonnes
990	Prob	1	468	10	4,680	51	2,620.8		7,469.28	
	Prob	2	330	10	3,300	43	1,419.0		4,044.15	
	Prob	3	388	10	3,880	63	2,444.4		6,966.54	
	Prob	4	354	10	3,540	65	2,301.0		6,557.85	
	Prob	5	174	10	1,740	58	1,009.2		2,876.22	
	Prob	6	282	10	2,820	55	1,551.0		4,420.35	
	Prob	7	374	10	3,740	40	1,496.0		4,263.60	
					23,700		12,841.4	0	36,597.99	235,568.46
980	Prob	1	294	10	2,940	56	1,646.4		4,692.24	
	Prob	2	296	10	2,960	43	1,272.8		3,627.48	
	Prob	3	460	10	4,600	63	2,898.0		8,259.30	
	Prob	4	330	10	3,300	65	2,145.0		6,113.25	
	Prob	5	156	10	1,560	58	904.8		2,578.68	
	Prob	6	266	10	2,660	55	1,463.0		4,169.55	
	Prob	7	264	10	2,640	40	1,056.0		3,009.60	
					20,660		11,386.0	0	32,450.10	268,018.56
970	Prob	2	238	10	2,380	43	1,023.4		2,916.69	
	Prob	3	424	10	4,240	63	2,671.2		7,612.92	
	Prob	4	384	10	3,840	65	2,496.0		7,113.60	
	Prob	5	282	10	2,820	55	1,551.0		4,420.35	
	Prob	7	112	10	1,120	40	448.0		1,276.80	
					14,400		8,189.6	0	23,340.36	291,358.92

Total Volume of Wollastonite 102,231.2 m^3

Total Volume of Wollastonite Zone 196,590 m^3

Total Tonnes of Wollastonite, approximately 291,000

Grade of Wollastonite = $\frac{102,231}{196,580}$ X 100 = 52% by Volume

Tonnes of Wollastonite per Vertical Metre = $\frac{291,000}{100}$ = 2,910

STRIPPING ESTIMATES

The assumptions are tentative and intended only to provide a scale of magnitude for an eventual mine design. The following table compares the volume of wollastonite zone material at each level with the volume of anticipated waste rock on the east wall of the deposit which may have to be removed to safely gain open pit access to each particular level. Tentatively, a pit wall slope of 50° has been used for calculations from surface (east of the deposit) downward to the west to intersect the east wall of the wollastonite at the 970 m level.

At 1020 level approximately 77,500 m^3 of the wollastonite zone containing some 109,000 tons of wollastonite (37% of the total contained wollastonite) can be removed without significant stripping on the east wall. At 1010 level, 108,740 m^3 containing 155,500 tons of wollastonite (53% of the total contained wollastonite) can be extracted with minimal stripping of 7200 m^3.

The overall stripping ratio of 15.1 m^3 of wollastonite zone to 1 m^3 of waste at 1010 level decreases to 2.3 m^3 of wollastonite to 1 m^3 of waste at 1000 level. This ratio, and the ratio for the remainder of the reserves, can be improved by bottoming the pit at a higher level than 970, thus reducing the amount of stripping required. It is anticipated that additional reserves may be developed below 1000 level by drilling and therefore the stripping ratio could improve.

Estimates have not been made for waste on the west wall. It appears, at least in the upper levels, that the western (footwall) of the deposit dips moderately to the east; the amount of waste removal to maintain slope stability may be minimal.

For purposes of this report the term "waste rock" includes material which has a wollastonite content below 40%. Considerable values in garnet, limestone, and wollastonite are contained in sections of waste which are other than diorite.

OTHER AREAS OF WOLLASTONITE MINERALIZATION

Significant width and grade of wollastonite has been intersected in drill holes south and southwest of the outlined reserves. Drill holes 87-7 and 87-6 may have been drilled subparallel to the strike of wollastonite. Hole 88-15 which crosses the zone contained 25.06 m of 35% wollastonite. Intercepts in 88-6 (14.08 m of 41% wollastonite) may provide a link between the southwest-striking mineralization and the central zone. However this intersection could not be correlated with assurance because there are intervening low values in hole 88-5.

TABLE 2

EXTERNAL WASTE, EAST WALL CENTRAL ZONE

Level	*m^3 Wollastonite Zone*	*m^3 Wollastonite Zone Cumulative*	*m^3 External Waste*	*m^3 External Waste Cumulative*	*Stripping Ratio Wollastonite Zone/ Waste*	*Cumulative Stripping Ratio Wollastonite Zone/ Waste*
1070	2780	2780	0	-	-	-
1060	6660	9440	0	-	-	-
1050	8120	17560	0	-	-	-
1040	14740	32300	0	-	-	-
1030	19800	52100	0	-	-	-
1020	25400	77500	0	-	-	-
1010	31240	108740	7200	7200	4.3	15.1
1000	29080	137820	54000	61200	0.5	2.3
990	23700	161520	37200	98400	0.6	1.6
980	20660	182180	20720	119120	1.0	1.5
970	14400	196580	10360	129480	1.4	1.5

$$\frac{m^3 \text{ wollastonite zone}}{m^3 \text{ waste}} = \frac{196580\ m^3}{129480\ m^3} = 1.5\ m^3 \text{ wollastonite zone}/m^3 \text{ waste}$$

$$\frac{m^3 \text{ wollastonite (from Table 1)}}{m^3 \text{ waste}} = \frac{102239\ m^3}{129480\ m^3} = 0.8\ m^3 \text{ wollastonite}/m^3 \text{ waste}$$

Significant wollastonite values have been encountered below the reserve block in holes 88-10, 88-4, 88-2 and 87-3 which may also correlate with 88-6 or 88-15. Additional exploration is needed to define these zones.

In the southern part of the map area near holes 88-12 and 88-13 high grade mineralization has been found. During 1987, J.M. Logan mapped an area near 9,885N 10,230W where surface hand stripping had revealed wollastonite in outcrop. Mineralization on surface trends northeast-southwest with foliation-bedding dipping moderately north. A minimum length of 30 m and width of 17 m contains wollastonite.

DDH 88-12 was oriented to cross this mineralization at depth of 10 to 15 m below surface. After coring 6.0 m of limestone, 39.84 m containing an average of 51% wollastonite was encountered. Within this mineralized zone 14.63 m of core contained 85% wollastonite.

Diorite near the bottom of the hole can be correlated with diorite which outcrops along the road above the drill hole and probably occupies the footwall to the wollastonite mineralization. A parallel hangingwall may pass between the limestone and wollastonite in the upper part of the hole. Dip of foliation in core and at surface generally confirms a moderately steep northwest dipping mineralized body. A true width of approximately 27 m is indicated.

Thirty-three metres west of 88-12, hole 88-13 also cut wollastonite. From 2.44 m to 17.07 m, DDH 88-13 contains mixed siliceous hornfels, garnetite, epidote, garnet, minor andesite and diorite, and minor wollastonite. Below this interval fine-grained banded calc-silicate containing up to 35% wollastonite and fine cherty (?) quartzite is present to 21.43 m depth. Limestone with fine siliceous layers grades into brecciated limestone with drusey quartz which lines vugs to a depth of 25.21 m where massive coarse white wollastonite is encountered. Abundant wollastonite is present to a depth of 36.59 m where a strong fault zone contains white clay (?), pyritic coated fractures and breccia. Limestone and andesite devoid of wollastonite are present below the fault.

The interval between 7.01 and 36.59 m of 29.58 m averages 42% wollastonite. Within this interval 13.63 m contain 57% wollastonite.

Detailed geologic mapping has not been undertaken at surface in the vicinity of this drill hole.

DISCUSSION

As stated in the previous report by Goldsmith and Logan (1987),

> "Wollastonite is a contact metamorphic mineral formed either by metamorphism of siliceous limestone (admixed quartz) or by silica metasomatism (introduction of silica) of a pure limestone as follows:
>
> $CaCO_3 + SiO_2 \longrightarrow CaSiO_3 + CO_2$
>
> calcium carbonate + silica wollastonite + carbon dioxide
>
> Laboratory investigation indicates the reaction takes place at about 500-600°C, provided the carbon dioxide produced can escape. Higher temperature is required if the carbon dioxide is trapped. Any calcium carbonate (calcite) remaining after all the silica has been combined into wollastonite will simply recrystallize, forming a wollastonite marble. The presence of alumina results in the formation of feldspar, garnet, or idocrase in place of wollastonite."

Diamond drilling and geological mapping have identified several north- and northwest-trending faults which may have provided escape for carbon dioxide during skarn formation. These occur in the upper portions of the eastern drill holes, both within skarn and in the adjacent diorite. Other areas of brecciation within the drill holes could also have acted as avenues of gas movement.

Andesite dykes are common in the drill area. Some have barren limestone in adjacent walls, others are present in mineralized areas. Most dykes appear to be post-mineral, having been emplaced along previously established zones of weakness, some of which had also provided sites favourable to skarn and wollastonite formation. Apparent coarseness of wollastonite adjacent to some fractures may be related to ease of escape of CO_2 along these structures during metamorphism. Andesite, when present in these fractures, may have been introduced later.

Timing of growth or inclusion of boudins of pure wollastonite and/or garnet within otherwise barren flow-folded crystalline limestone is an unresolved aspect, although field relationships suggest that boudins were metamorphosed before being folded and swept into or attenuated within the limestone. It is recognized that CO_2 could escape along (flow) cleavage planes during folding.

The amount of silica in unaltered limestone which could be available for the formation of wollastonite has not been determined. Wollastonite occurs adjacent to barren quartzite and cherty

metasediments; silica may have been provided from these units for the metamorphism of wollastonite.

CONCLUSIONS

Diamond drilling, geological mapping and core logging in 1988 have confirmed and expanded known wollastonite mineralization which was found during the 1987 exploration programme. A continuous body of wollastonite mineralization has been outlined in the central part of the drill area enabling calculation of possible and probable drill indicated reserves of approximately 196,580 m^3 of wollastonite zone of which 102,230 m^3 or 52% wollastonite by volume is equivalent to 291,000 metric tonnes of wollastonite.

Although more surface trenching and diamond drilling are needed to increase confidence in the grade and volume of wollastonite mineralization, initial calculations indicate minor removal of waste rock above the 1010 level would be required to access the wollastonite deposit. Below 1010 level, approximately 130,000 m^3 of waste from the east wall may have to be removed to permit open pit mining. Waste on the west wall has not been calculated, but is expected to be much less than the 4:5 ore to waste ratio calculated for the east wall.

Diamond drilling has also intersected significant mineralization south and southwest of the outlined wollastonite deposit. Additional drilling and surface trenching may extend the area of present reserves to include this area near DDH 88-6 and 88-15.

At DDH 88-12, which is 250 m southwest of the outlined wollastonite deposit, high grade mineralization is also present. A 14.63 m length of core form this hole contains an estimated 85% wollastonite. It is present within a 39.84 m interval which may average 52% wollastonite. The geological relationship between this area and the central wollastonite body is not fully understood. However, the general trend of bedding of the metasediments and the contact with the adjacent diorite intrusive together with wollastonite in outcrops between the two areas indicates continuity. Potential for large tonnage in this location is high.

Wollastonite outcrops 60 m north of hole 87-1 on the projected trend of the central zone; exploration of this extension has not been undertaken.

RECOMMENDATIONS

Phase 1

The most cost effective method of upgrading probable and possible reserves is by dozer, backhoe or slusher trenching to expose continuous sections of rock at surface above the drill holes. Extensions of reserves can also be made by stripping in the area between holes 88-14 and 88-9 and to the northwest where detailed mapping has not been undertaken. The same is true to the north of hole 88-8. Trenching is also needed west of hole 88-15 where sparse outcrops of high grade (95%) wollastonite are present. Detailed geologic mapping and transit surveys will be required in each of the trench areas.

Trenching and geologic mapping are also recommended for the 88-12 and 88-13 area prior to additional drilling.

Each of these areas should be trenched at 20 m intervals with continuous outcrop exposed across the general trend of mineralization. Fill-in trenches at 10 m intervals may also be required where geology is more complex, and to confirm the distribution of wollastonite. Washing of outcrops with high pressure hose will also be required along with geological supervision of the trenching operation.

Also included will be incorporation of data into a computer model of the deposit and a rigourous calculation of grade and tonnage. Quantification of quality and reserves of garnet and other commodities should also be treated in this phase.

Phase 2

Phase 2 exploration should consist of diamond drilling in the central and southern areas. The number of holes and total length of drilling will be influenced by the prior trenching. However, possible drill sites include the areas:

– between 88-4 and 88-5

– northeast and west of 88-6

– west of 88-15

– northeast of 88-14

– north of 88-8

– east and west of 88-12 and 88-13.

At least nine drill holes averaging 100 m each would be required.

Also included in Phase 2 should be provisions for bulk sampling from drill core and surface for product testing. Market studies should be initiated. Compilation of baseline data concerning possible environmental impact of mining should begin. Pre-feasibility studies should be undertaken. These would include trial mining plans, rates of production to supply anticipated markets, and equipment requirements. Identification and collection of data which are necessary to complete feasibility studies should be undertaken.

Phase 3

Phase 3 would entail feasibility studies along with studies of environmental impacts of mining.

COST ESTIMATE

Phase 1

(a)	Trenching, approx. 800 m, with dozer/backhoe	$ 15,000	
	Washing of trenches	2,000	
	Geological supervision, geological mapping	4,000	
	Transit survey	1,000	
	Food, lodging	2,000	
	Vehicle	1,000	
	Reporting, recalculation of reserves	2,000	
		$27,000	
	Contingencies @ 20%	5,400	
		$32,400	$32,400
(b)	Computer modelling of wollastonite deposits, data entry, printing, reporting, allow		$ 6,000

(c)	Determination of quantity, quality and reserves of garnet and other components, data entry, computer modelling of combined commodities, allow		10,000	
	Total, Phase 1		$48,400	$48,400

Phase 2

(a)	Diamond drilling, 1000 m at $100/m	$100,000		
	Drill site preparation	1,000		
	Geological and engineering supervision	15,000		
	Vehicle	2,000		
	Food and lodging	2,000		
	Surveying	1,000		
	Reporting, recalculation of reserves	5,000		
		126,000		
	Contingencies at 20%	25,200		
		151,200	151,200	
(b)	Bulk sampling at surface, includes possible blasting and backhoe	5,000		
	Core splitting	2,000		
	Geological supervision	2,000		
	Packaging and shipping	10,000		
	Product and process testing	50,000		
	Food and lodging	1,000		
	Vehicle	500		
	Reporting	1,000		
		71,500		
	Contingencies at 20%	14,300		
		85,800	85,800	
(c)	Market studies, allow		$ 25,000	

(d)	Environmental study, data collection, allow	$ 25,000	
(e)	Pre-feasibility studies and research, allow	$100,000	387,000
	Total, Phase 2	$387,000	

Phase 3

(a)	Feasibility studies, allow	$200,000	
(b)	Environmental studies, allow	50,000	250,000
	Total, Phase 3	250,000	**$685,400**
	Total Phases 1, 2 and 3		

Results of each Phase should be compiled into an engineering report; continuance to the subsequent Phase should be contingent upon favourable conclusions and recommendations from an engineer.

Respectfully submitted,

Locke B. Goldsmith, P.Eng.
Consulting Geologist

Paul Kallock
Consulting Geologist

Vancouver, B.C.

July 29, 1988

ENGINEER'S CERTIFICATE
LOCKE B. GOLDSMITH

1. I, Locke B. Goldsmith, am a Registered Professional Engineer in the Province of Ontario and the Northwest Territories, and a Registered Professional Geologist in the State of Oregon. My address is 301, 1855 Balsam Street, Vancouver, B.C.

2. I have a B.Sc. (Honours) degree in Geology from Michigan Technological University, a M.Sc. degree in Geology from the University of British Columbia, and have done postgraduate study in Geology at Michigan Tech and the University of Nevada. I am a graduate of the Haileybury School of Mines, and am a Certified Mining Technician. I am a Member of the Society of Economic Geologists, the AIME, and the Australasian Institute of Mining and Metallurgy, and a Fellow of the Geological Association of Canada.

3. I have been engaged in mining exploration for the past 29 years.

4. I have co-authored the report entitled, "Geological Mapping, Diamond Drilling and Reserve Estimates of Wollastonite Deposit, Mineral Hill Claim Group, Sechelt Area, B.C." dated July 29, 1988. The report is based upon fieldwork and research supervised by the author.

5. I have no ownership in the property, nor in the stocks of Tri-Sil Minerals Inc.

6. I consent to the use of this report in a prospeetus, or in a statement of material facts related to the raising of funds. Sheets of analyses in the Appendix could be omitted from a prospectus because all values are plotted on maps.

Respectfully submitted,

Locke B. Goldsmith, P.Eng.
Consulting Geologist

Vancouver, B.C.
July 29, 1988

GEOLOGIST'S CERTIFICATE
PAUL KALLOCK

I, Paul Kallock, do state: that I am a Geologist with Arctex Engineering Services, 301 - 1855 Balsam Street, Vancouver, B.C.

I Further State That:

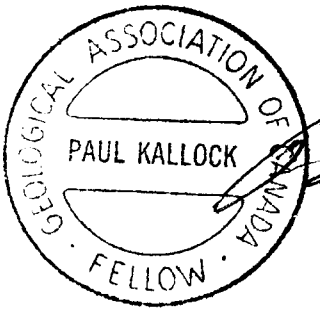
1. I have a B.Sc. degree in Geology from Washington State University, 1970. I am a Fellow of the Geological Association of Canada.

2. I have engaged in mineral exploration since 1970, both for major mining and exploration companies and as an independent geologist.

3. I have authored the report entitled, "Geological Mapping, Diamond Drilling and Reserve Estimates of Wollastonite Deposit, Mineral Hill Claim Group, Sechelt Area, B.C." The report is based on my fieldwork carried out on the property and on previously accumulated geologic data.

4. I have no direct or indirect interest in any manner in either the property or securities of Tri-Sil Minerals Inc., or its affiliates, nor do I anticipate to receive any such interest.

5. I consent to the use of this report in a prospectus, or in a statement of material facts related to the raising of funds. Sheets of analyses in the Appendix could be omitted from a prospectus because all values are plotted on maps.



Vancouver, B.C.
July 29, 1988

Paul Kallock
Geologist

REFERENCES

Anderson, R.B. 1987. Progress Report - Wollastonite, Snake Bay Project. Private report for Tri-Sil Minerals Inc.

Goldsmith, L.B. and Logan, J.M. 1987. Geological Mapping and Diamond Drilling of Wollastonite Occurrence, Mineral Hill Claim Group, Sechelt Area, B.C., Vancouver Mining Division.

Ladoo, R.B. 1960. Wollastonite in Industrial Minerals and Rocks. 3rd edition. Seeley W. Mudd Series. AIME, New York, pp. 897-899.

Price, R.A., Monger, J.W.H. and Roddick, J.A. 1985. Cordilleran Cross-Section, Calgary to Vancouver. In: Field Guides to Geology and Mineral Deposits in the Southern Canadian Cordillera. Geol. Assoc. Can., Cordilleran Sect. Meeting, pp. 3-1 to 3-85.

Roddick, J.A. 1970. Douglas Channel-Hecate Strait Map Area, B.C. Geol. Surv. Can., Paper 70-41.

Roddick, J.A. 1979. Vancouver West Half. Geol. Surv. Can., Open File 611.

Roddick, J.A. 1983. Geophysical Review and Composition of the Coast Plutonic Complex, South of Latitude 55°N. Geol. Soc. Amer., Mem. 159, pp. 195-211.

Map 001

LEGEND FOR DRILL SECTIONS
87-1 TO 87-8 AND 88-1 TO 88-15

ABBREVIATIONS:

A	ANDESITE
Dt	DIORITE
LS	LIMESTONE
CS	CALC SILICATE
SK	SKARN
G	GARNET
GT	GARNETITE
DIOP	DIOPSIDE
EP	EPIDOTE
CHL	CHLORITE
Q	QUARTZ
Qzt	QUARTZITE
CA	CALCITE
W	WOLLASTONITE
CPY	CHALCOPYRITE
PY	PYRITE
SPH	SPHALERITE

AZIMUTHS AND ELEVATIONS ARE MEASURED FROM MINE DATUM POINT

PLANAR FEATURES MEASURED FROM CORE AXIS

B = banding or bedding
F = foliation
C = contact
S = shear or fault
V = vein

YOUNGER DYKES, SILLS AND SMALL PLUGS - ANDESITE

CRETACEOUS: COAST PLUTONIC COMPLEX - DIORITE

DEVONIAN TO MIDDLE CRETACEOUS: LIMESTONE FINE TO COARSELY CRYSTALLINE, MAY INCLUDE MARBLE AND CALCITE
QUARTZITE

ALTERATION / MINERALIZATION

CALC-SILICATE
SKARN
MAY INCLUDE WOLLASTONITE GARNET DIOPSIDE EPIDOTE LIMESTONE QUARTZ CHLORITE PYRITE CHALCOPYRITE SPHALERITE MALACHITE.

HORNFELS GENERALLY SILICEOUS, VERY FINE-GRAINED, DENSE, ALTERED, INTRUSIVE


≥ 40% WOLLASTONITE

Scale 1:500

0 5 10

metres

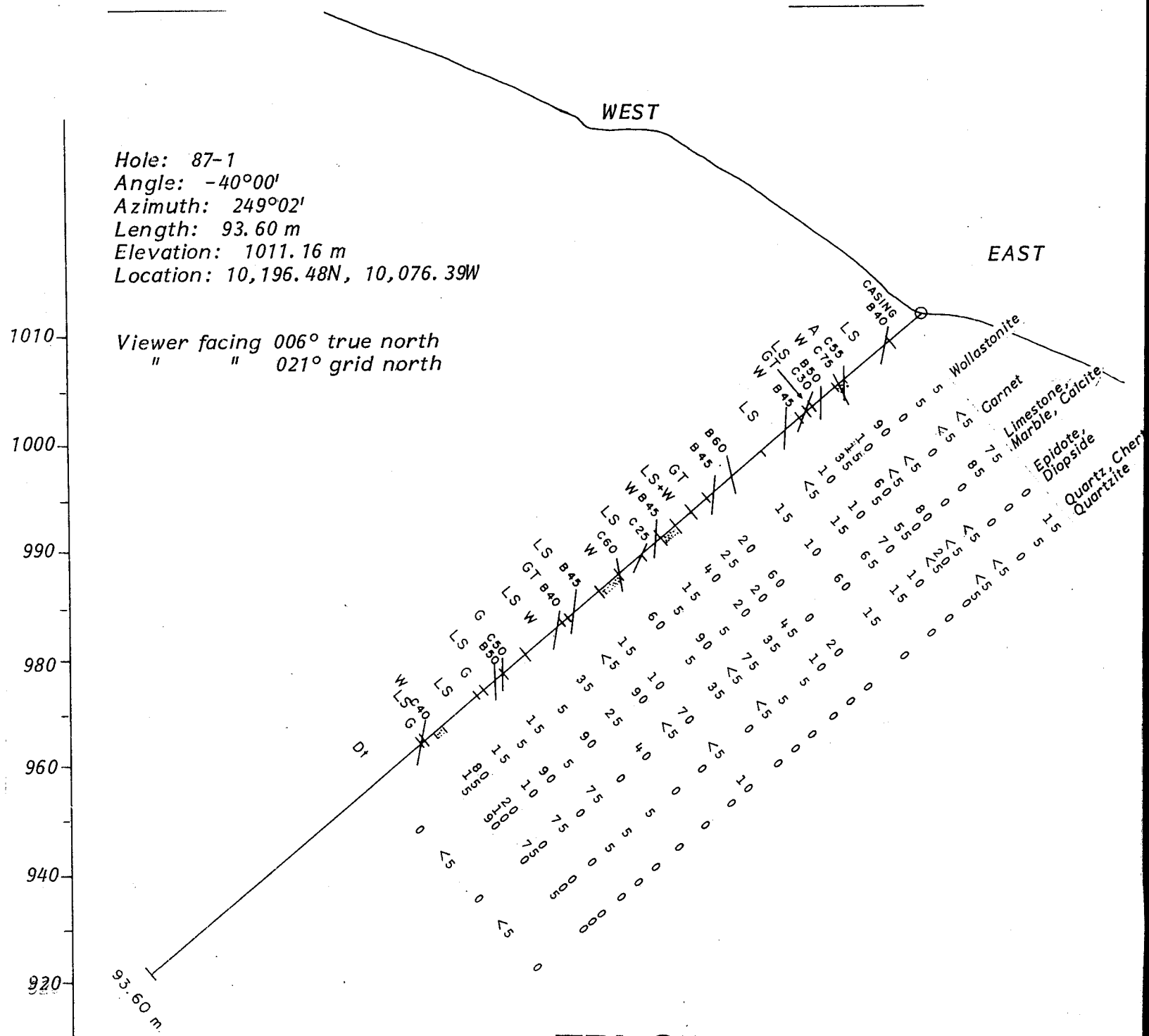
TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988



TRI-SIL MINERALS INC.

Mineral Hill Claim Group

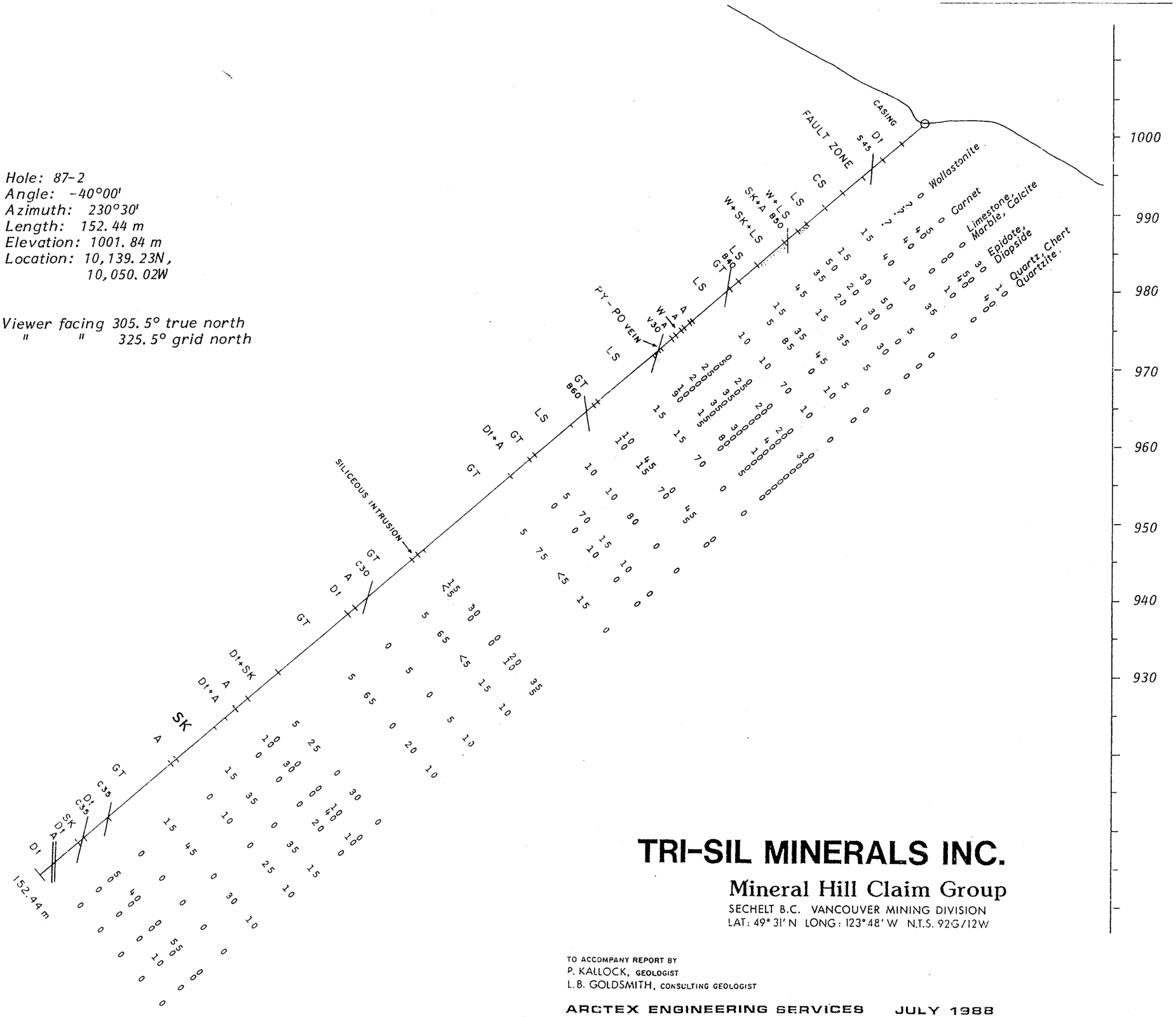
SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988

Hole: 87-2
Angle: -40°00'
Azimuth: 230°30'
Length: 152.44 m
Elevation: 1001.84 m
Location: 10,139.23N,
10,050.02W

Viewer facing 305.5° true north
" " 325.5° grid north



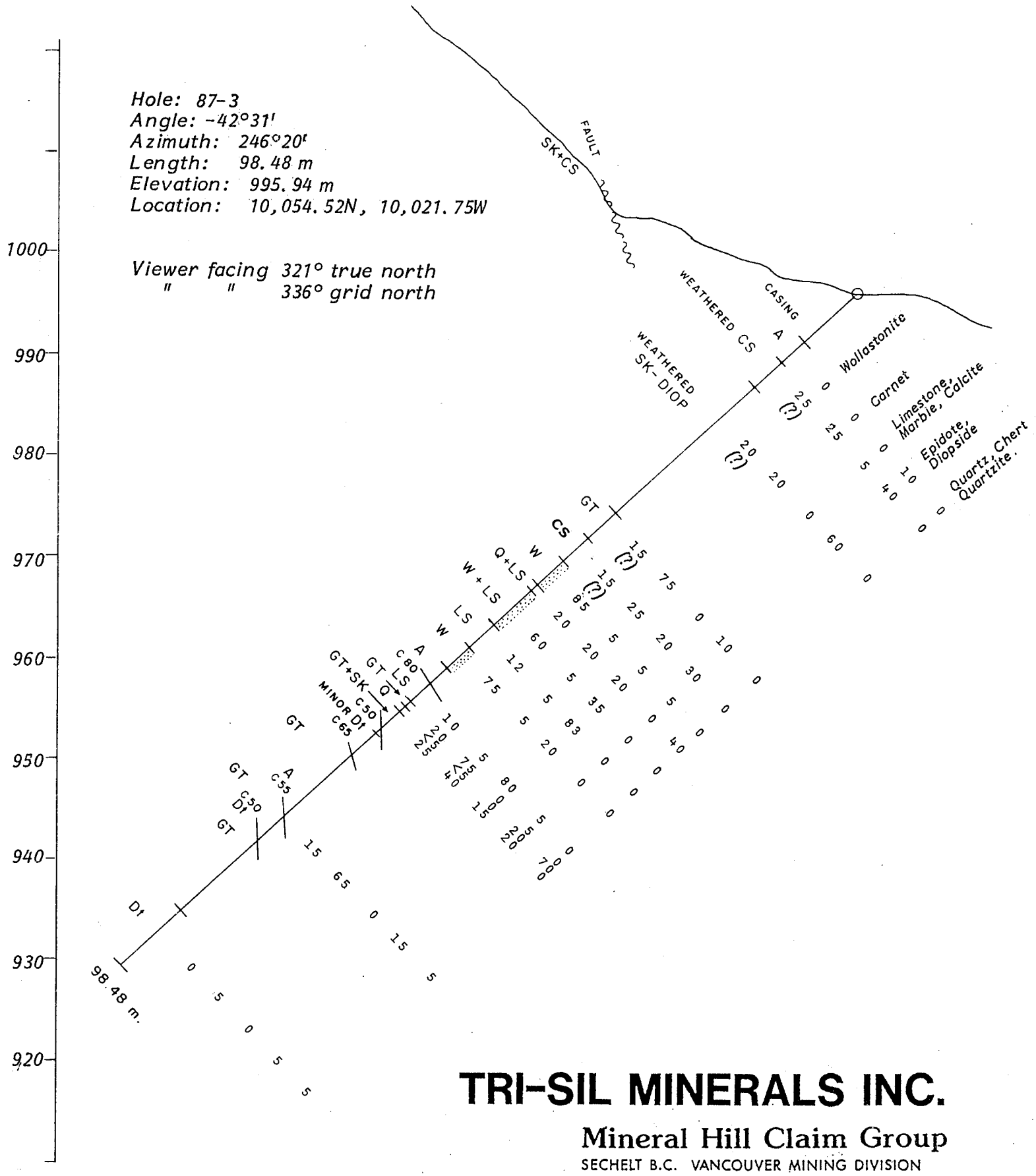
TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988



TRI-SIL MINERALS INC.

Mineral Hill Claim Group

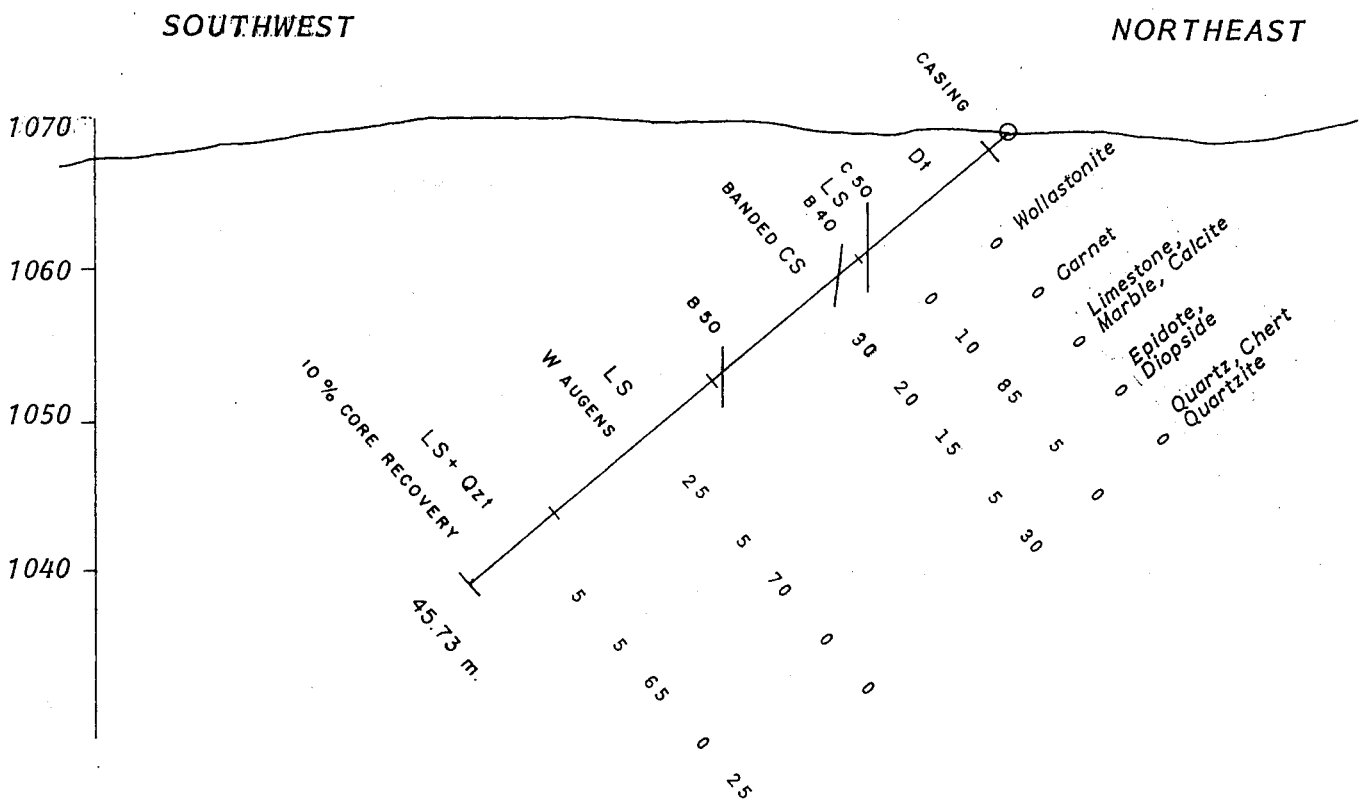
SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988

Hole: 87-4
Angle: -40°00'
Azimuth: 220°00'
Length: 45.73 m
Elevation: 1,068.51 m
Location: 9,839.06N, 10,193.96W

Viewer facing 295° true north
" " 310° grid north



TRI-SIL MINERALS INC.

Mineral Hill Claim Group

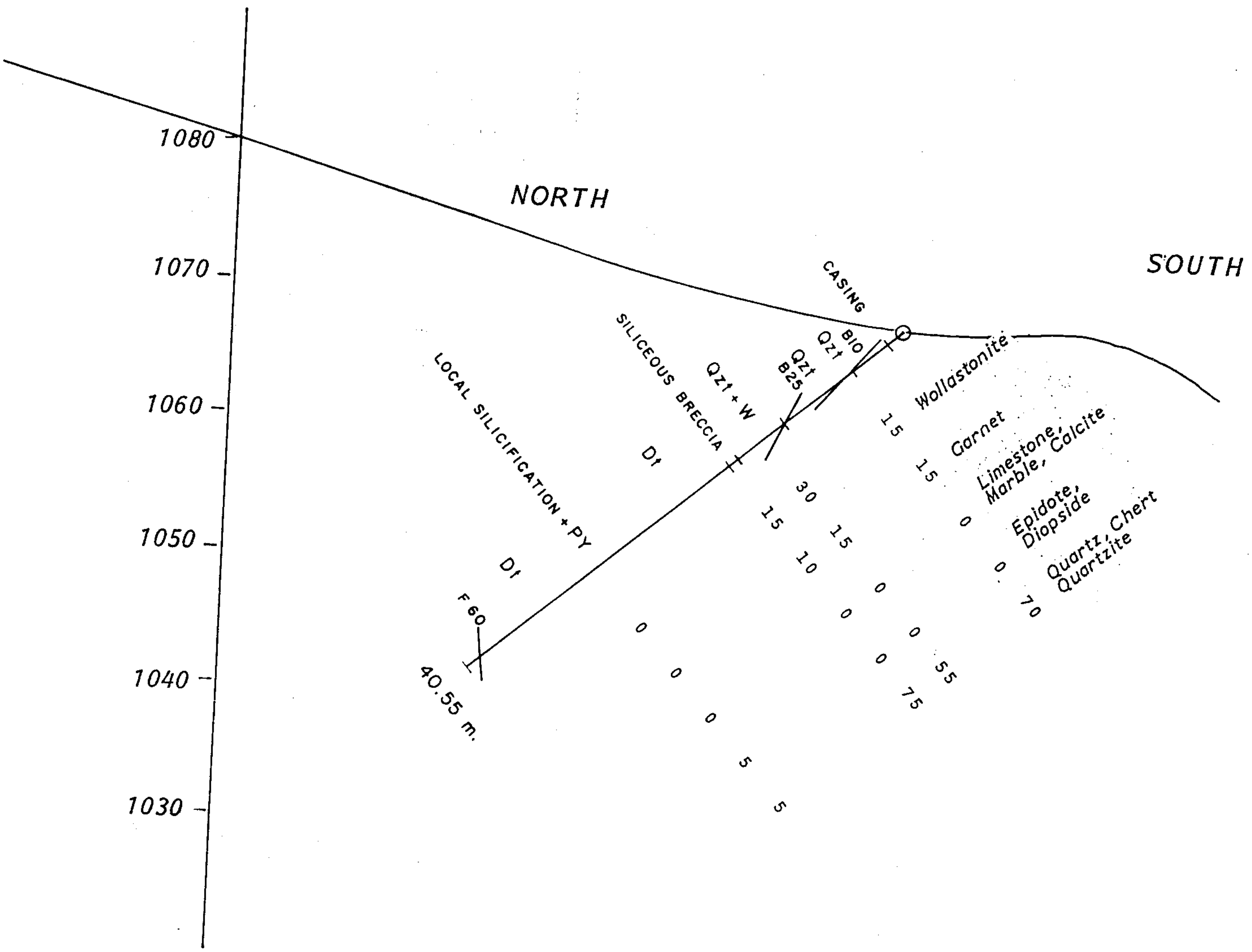
SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988

Hole: 87-5
Angle: -41°49'
Azimuth: 346°11'
Length: 40.55 m
Elevation: 1068.10 m
Location: 9,839.33N, 10,191.08W

Viewer facing 61° true north
" " 76° grid north



TRI-SIL MINERALS INC.

Mineral Hill Claim Group

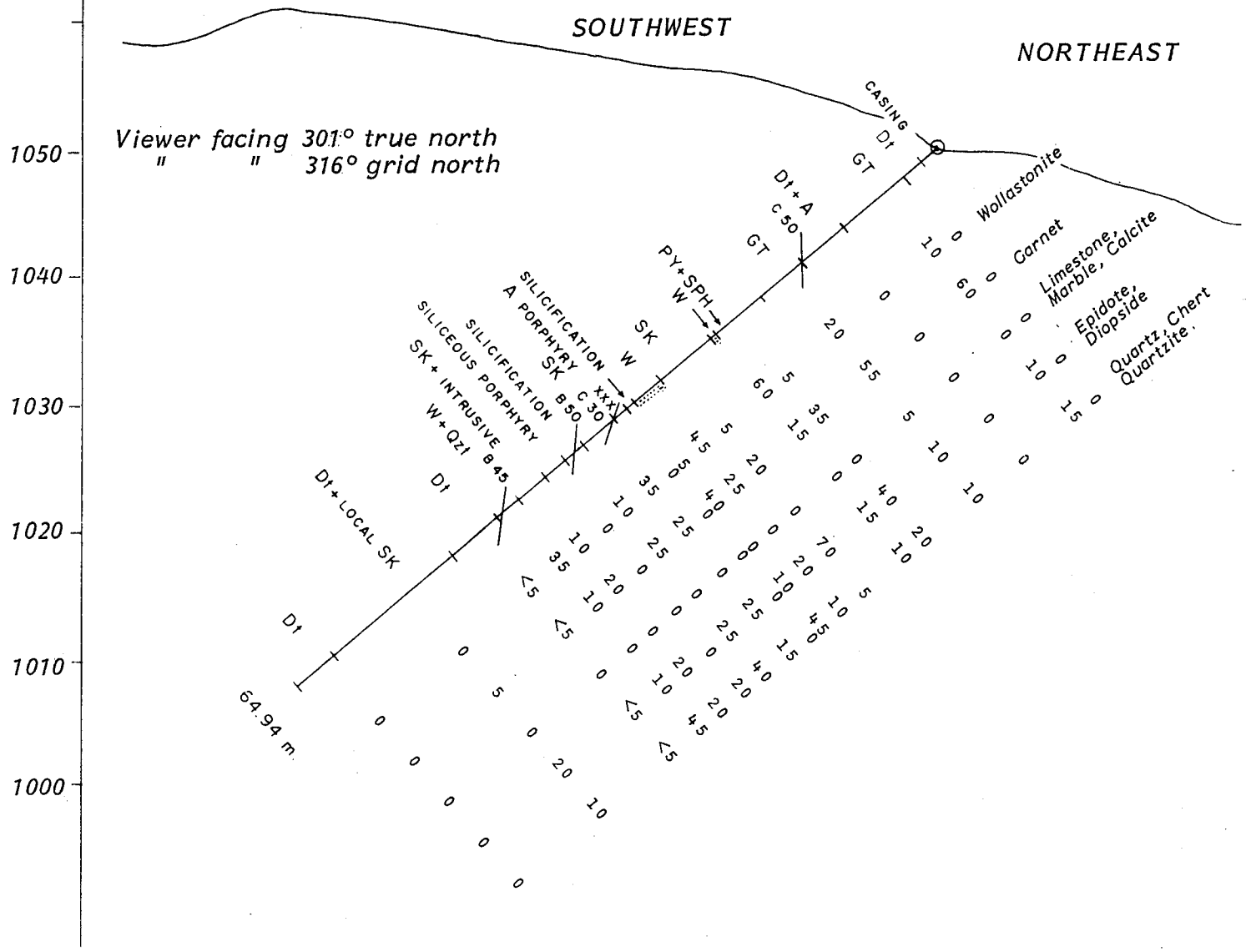
SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123°48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988

Hole: 87-6
Angle: -39°54'
Azimuth: 226°12'
Length: 64.94 m
Elevation: 1050.19 m

Location: 9,919.59N, 10,104.92W



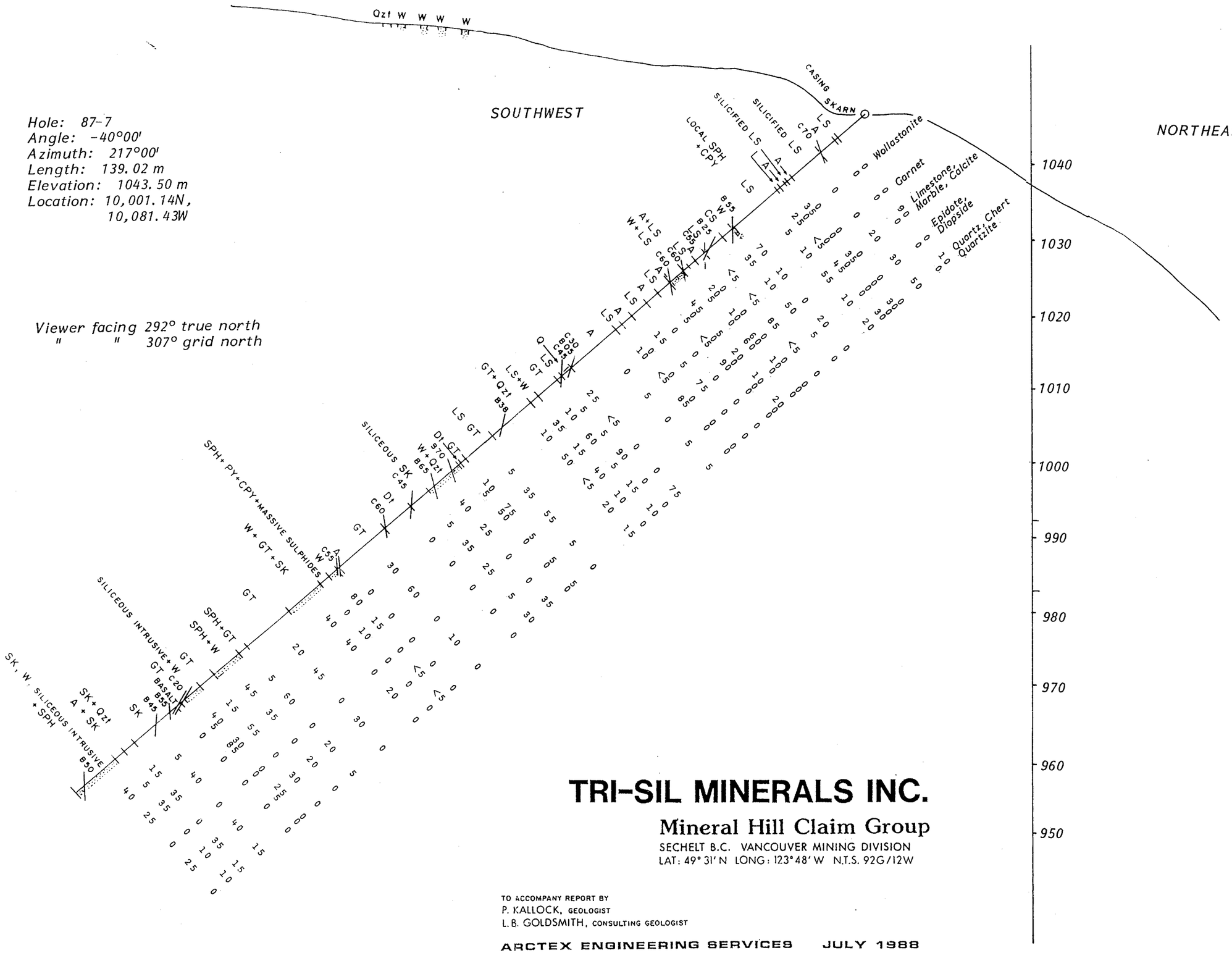
TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988



TRI-SIL MINERALS INC.

Mineral Hill Claim Group

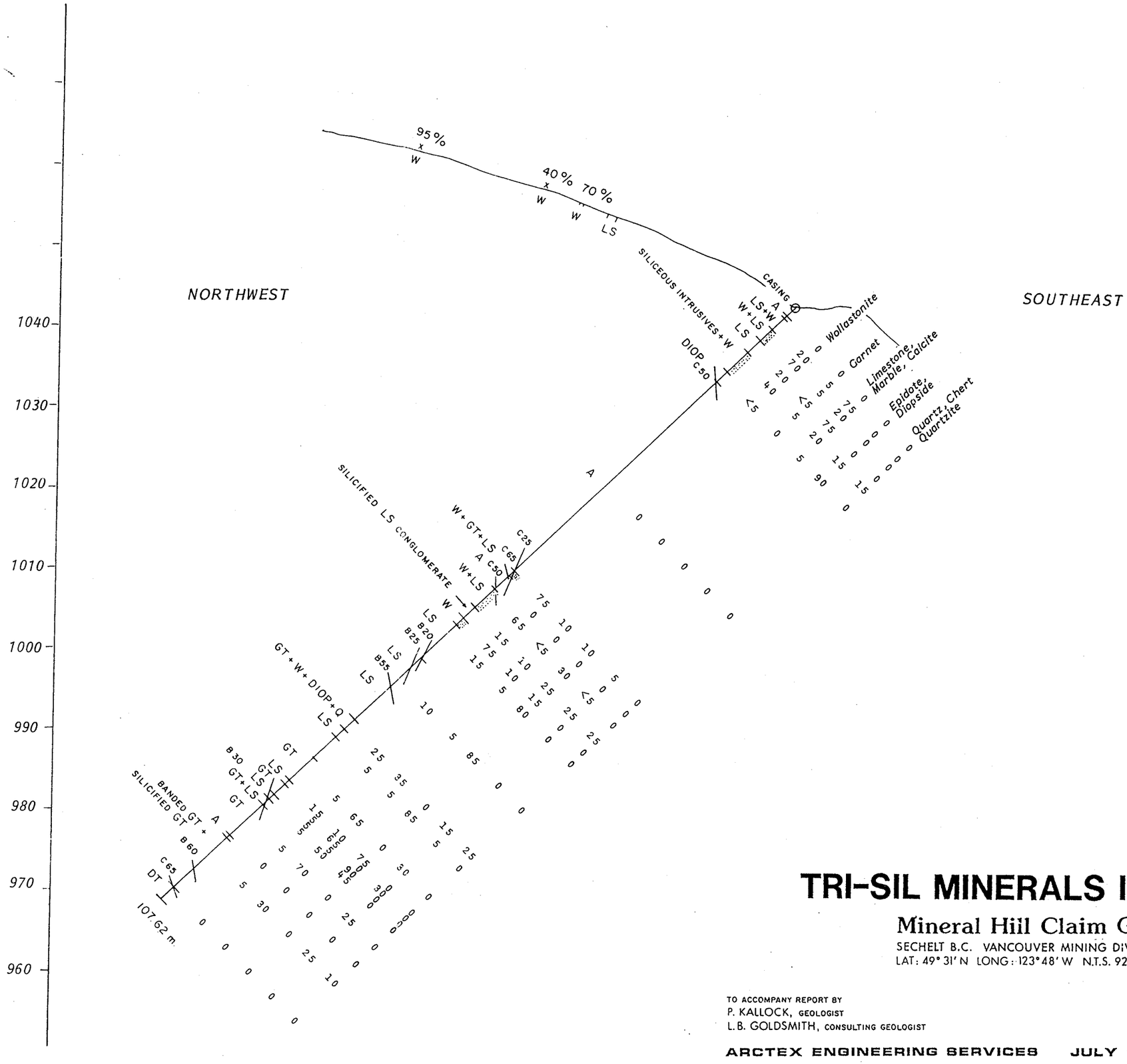
SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988

Hole: 87-8
Angle: -43°03'
Azimuth: 323°07'
Length: 107.62 m
Elevation: 1042.92 m
Location: 10,008.91N,
10,081.37W

Viewer facing 038° true north
" " 053° grid north



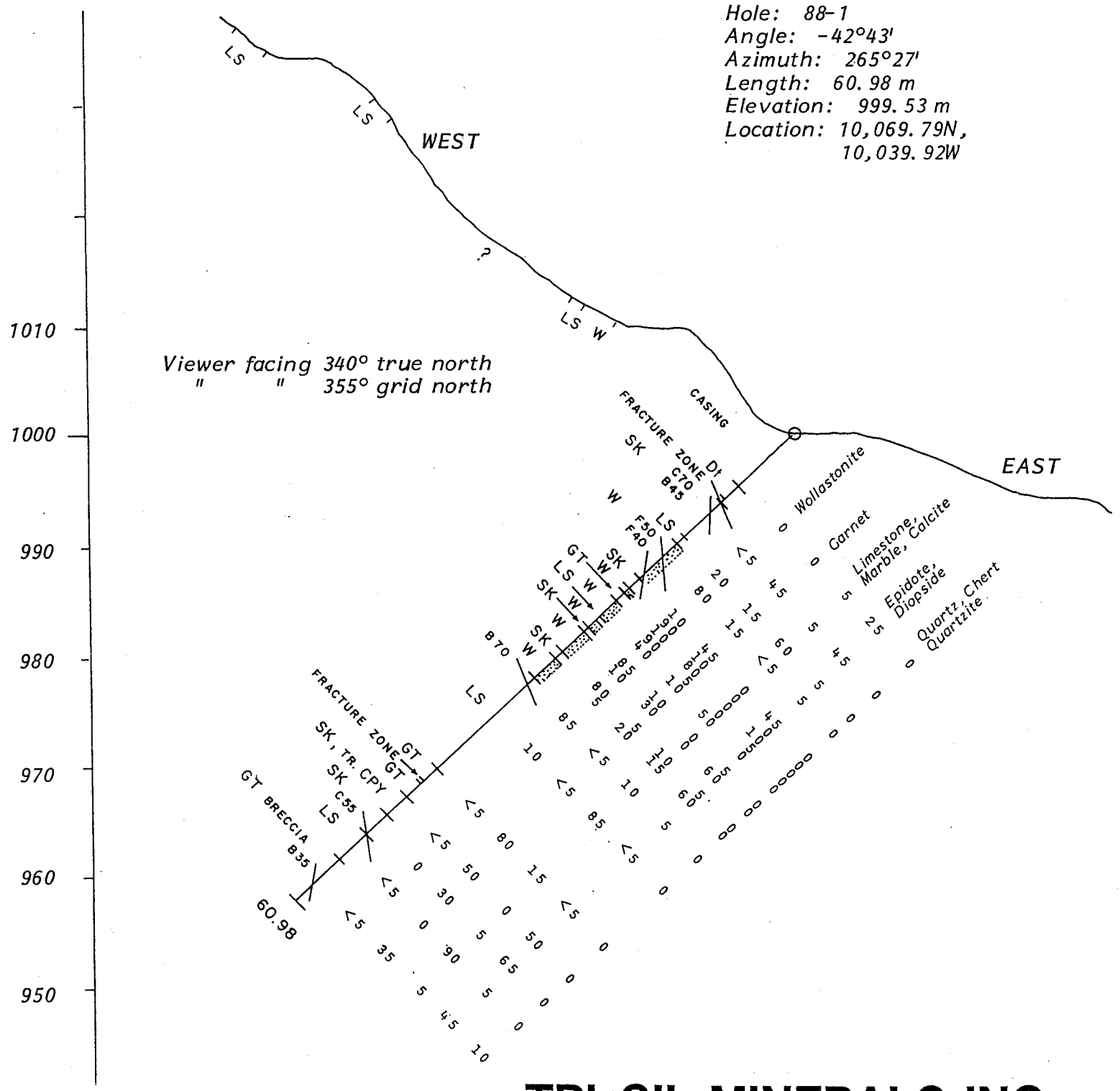
TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988



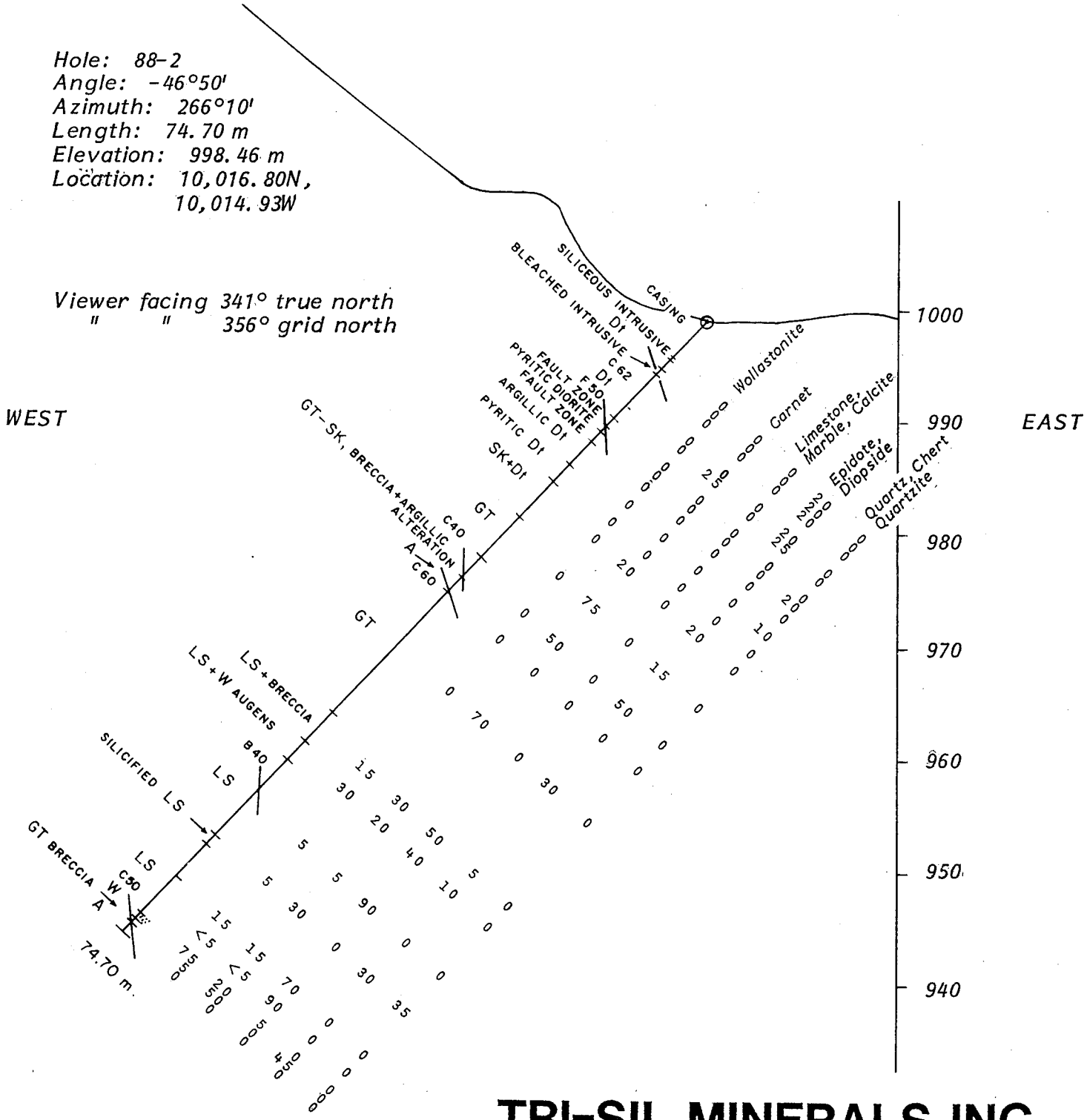
TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988



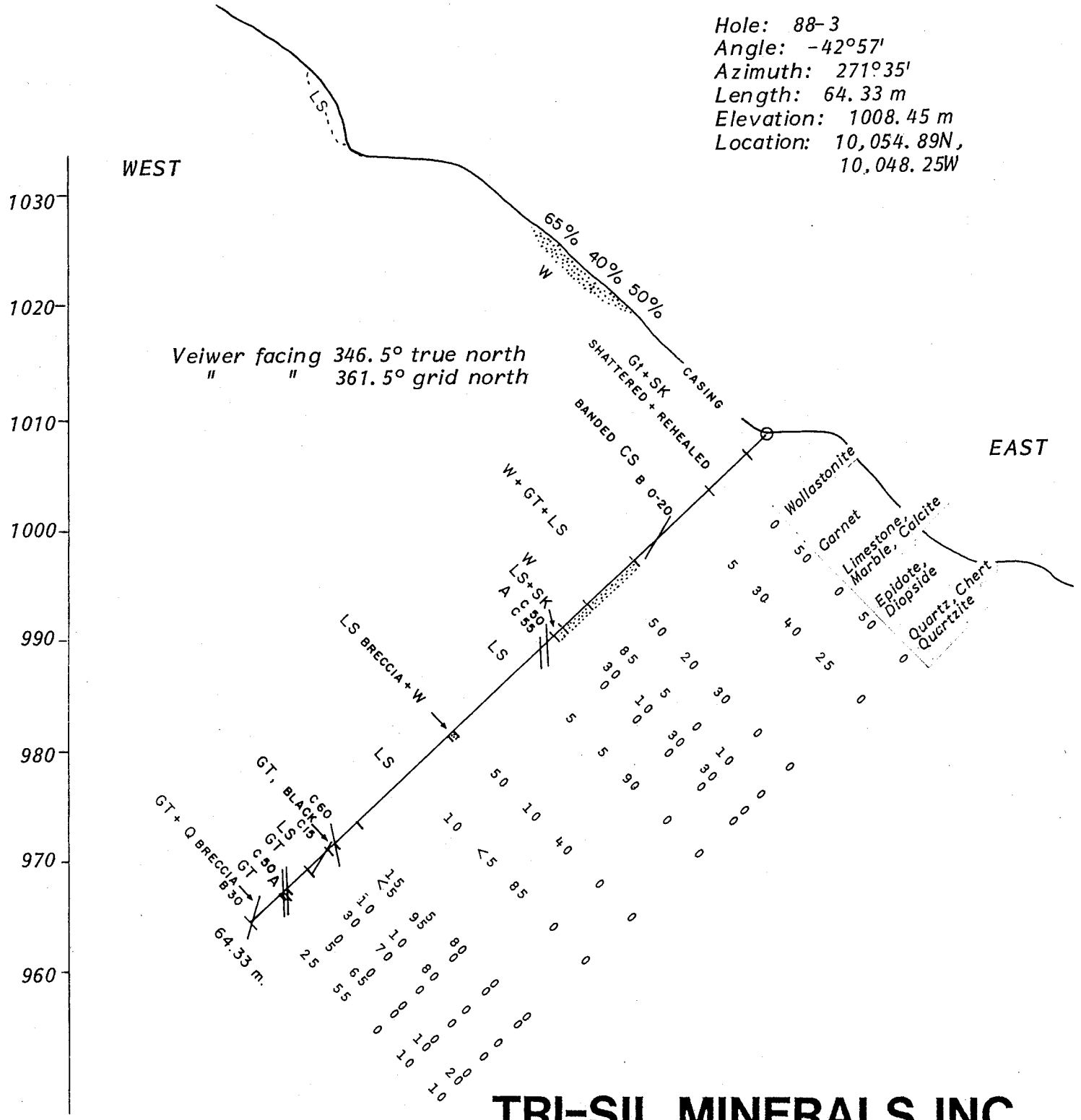
TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988



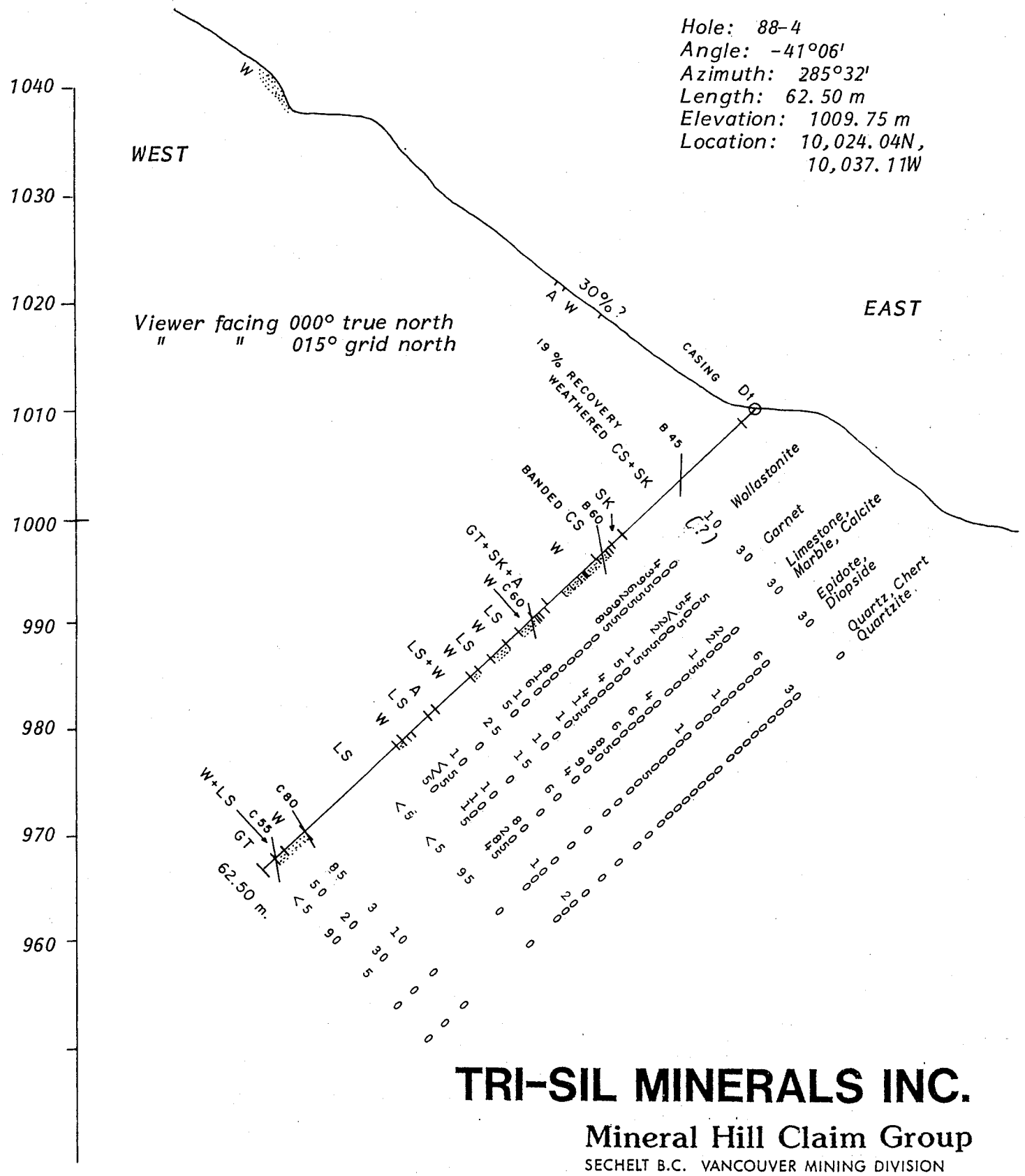
TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988



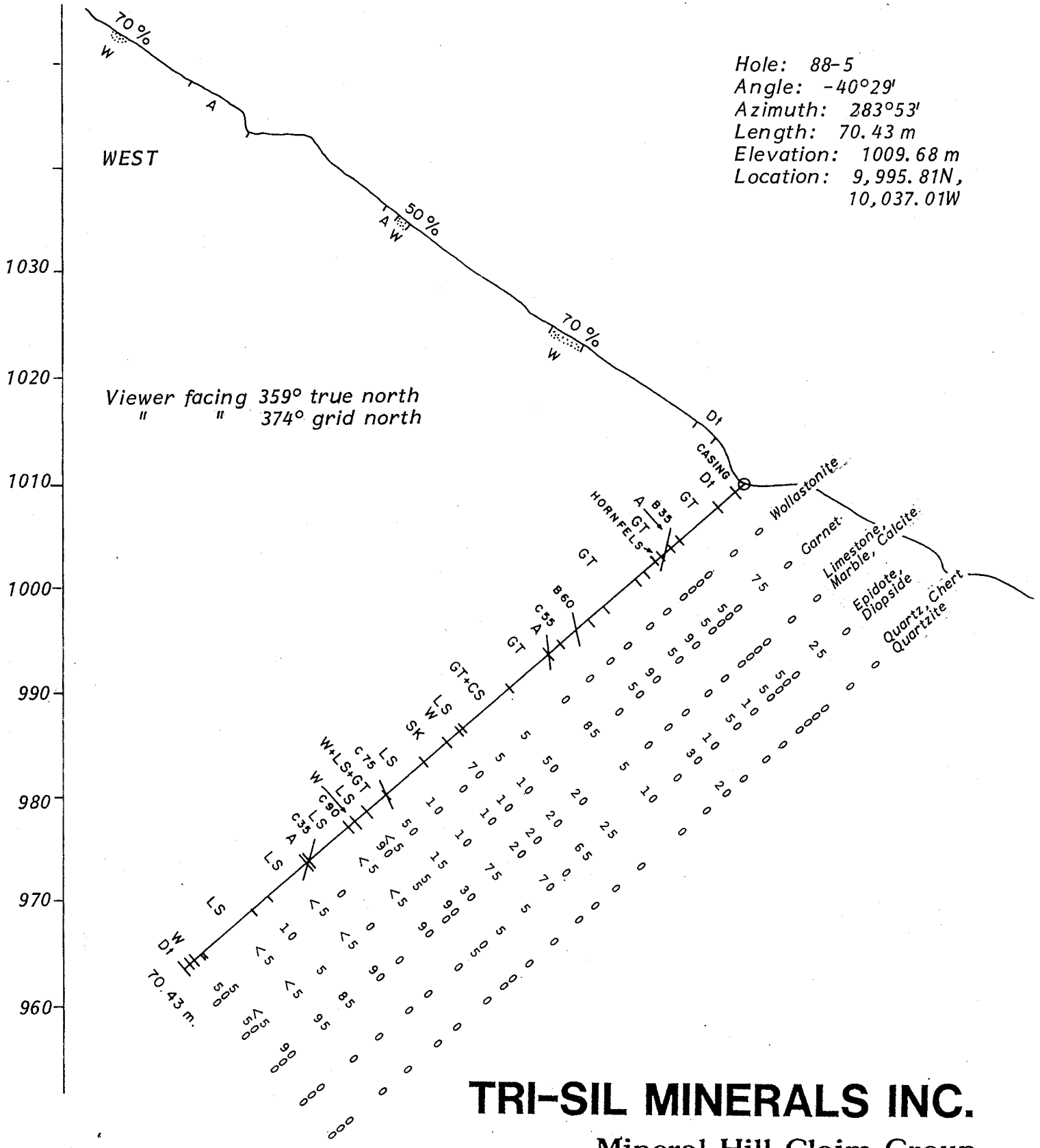
TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988



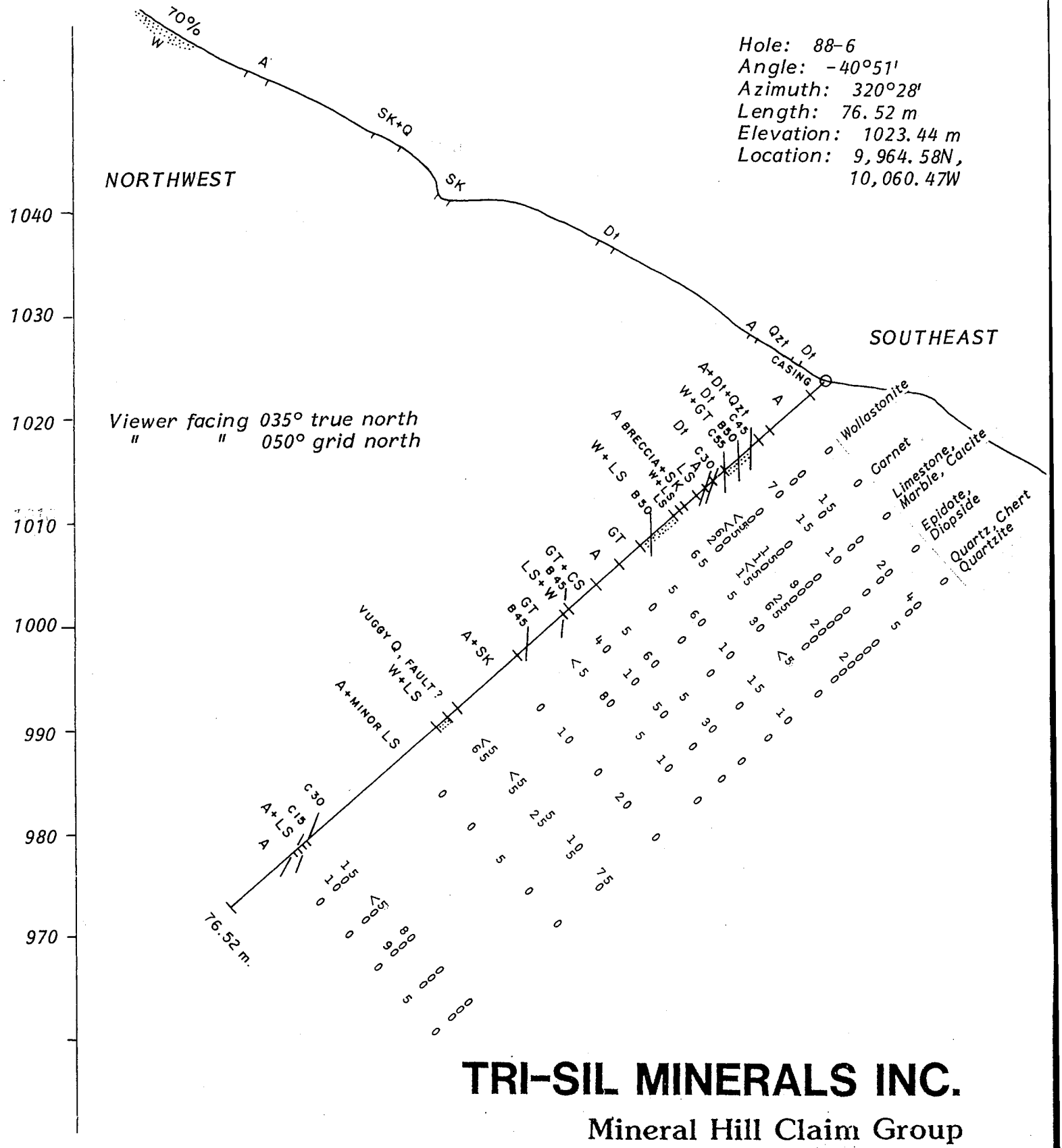
TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988



TRI-SIL MINERALS INC.

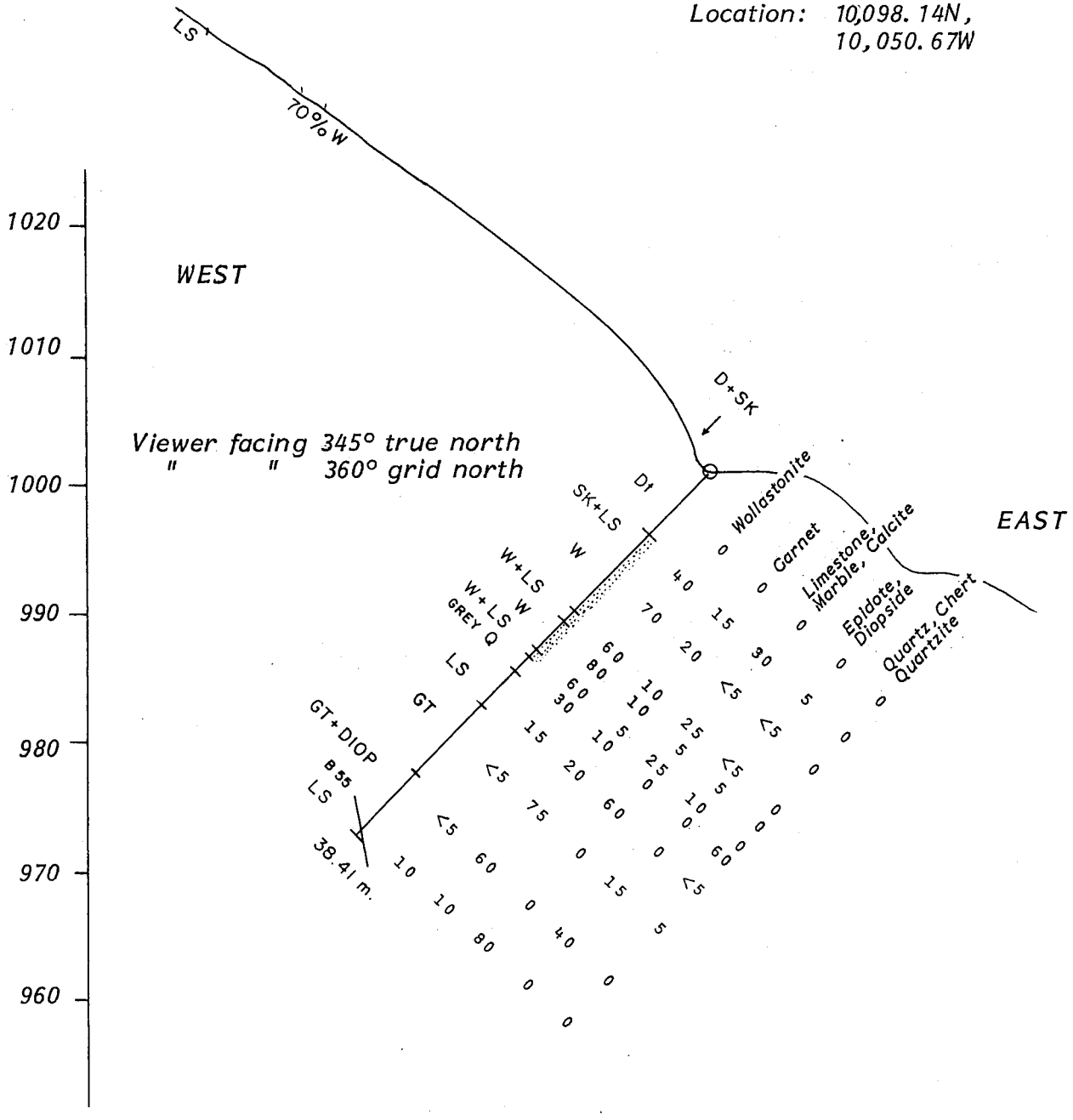
Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988

Hole: 88-7
Angle: -45°28'
Azimuth: 269°45'
Length: 38.41 m
Elevation: 1000.59 m
Location: 10,098.14N,
10,050.67W



TRI-SIL MINERALS INC.

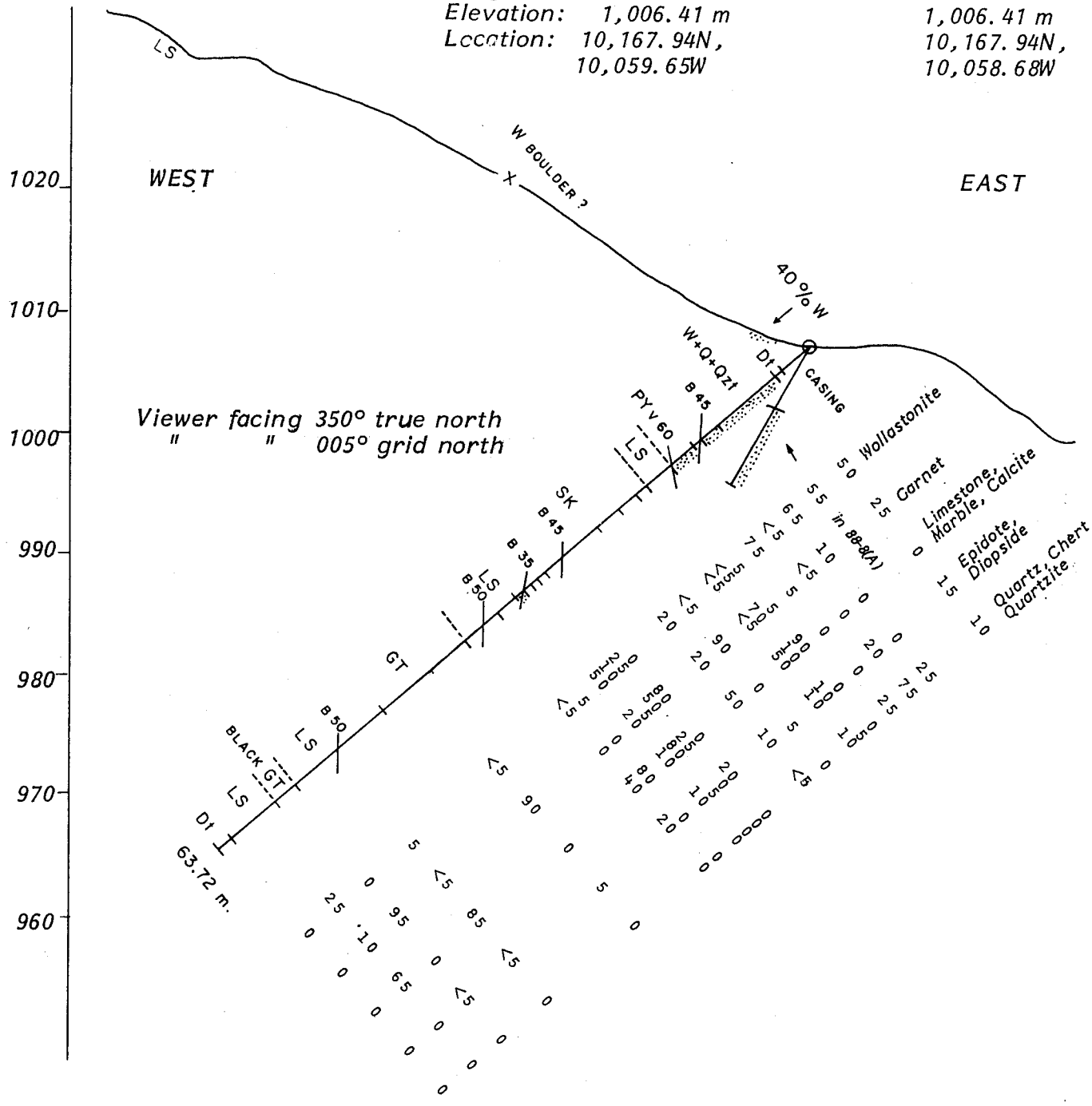
Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988

	88-8	88-8(A)
Hole:	88-8	88-8(A)
Angle:	-40°38'	-60°00'
Azimuth:	274°55'	274°55'
Length:	63.72 m	12.20 m
Elevation:	1,006.41 m	1,006.41 m
Location:	10,167.94N, 10,059.65W	10,167.94N, 10,058.68W



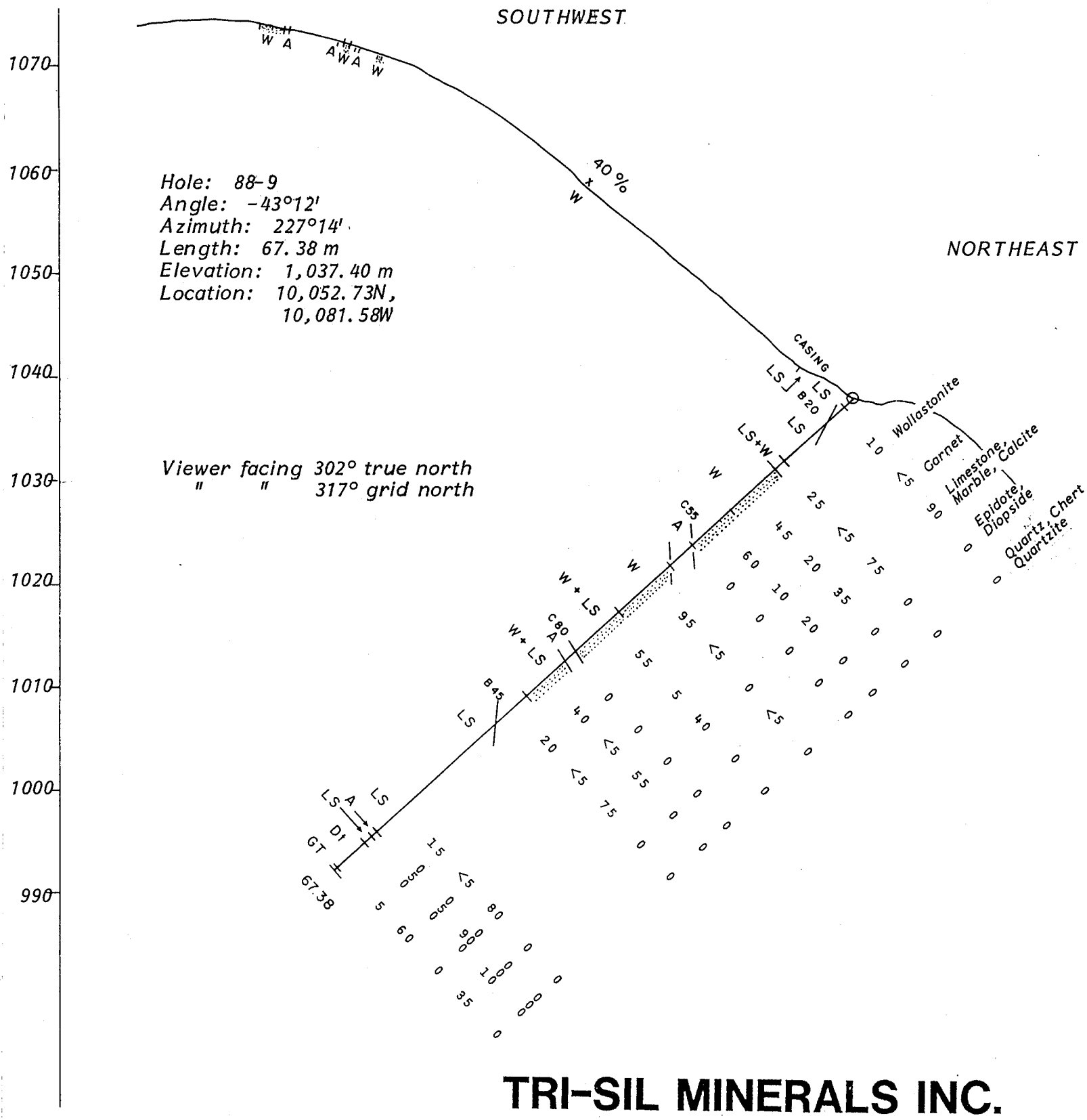
TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L. B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988



TRI-SIL MINERALS INC.

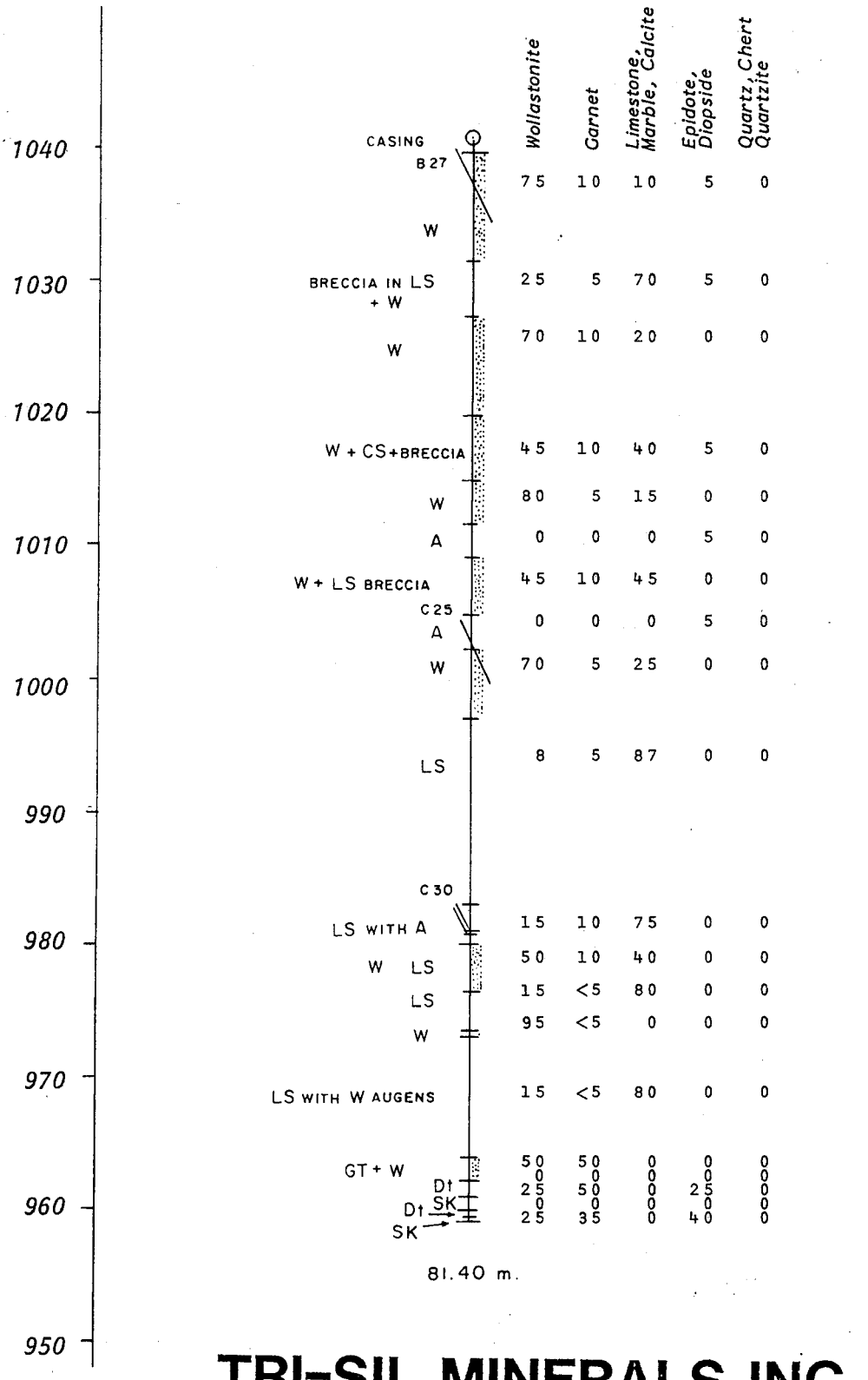
Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988

Hole: 88-10
Angle: -90°
Length: 81.40 m
Elevation: 1040.87
Location: 10,030.56N,
10,077.07W



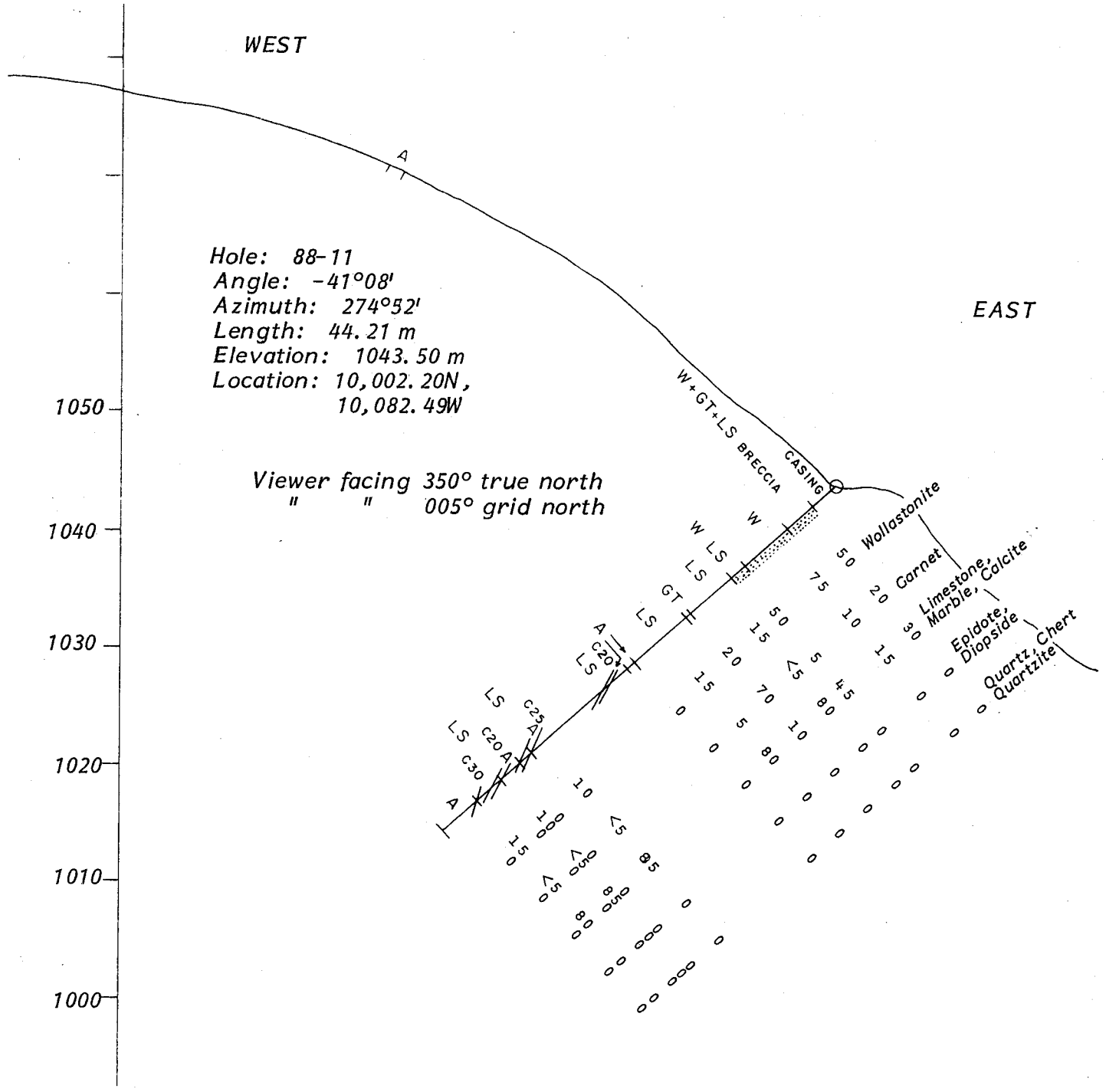
TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988



TRI-SIL MINERALS INC.

Mineral Hill Claim Group

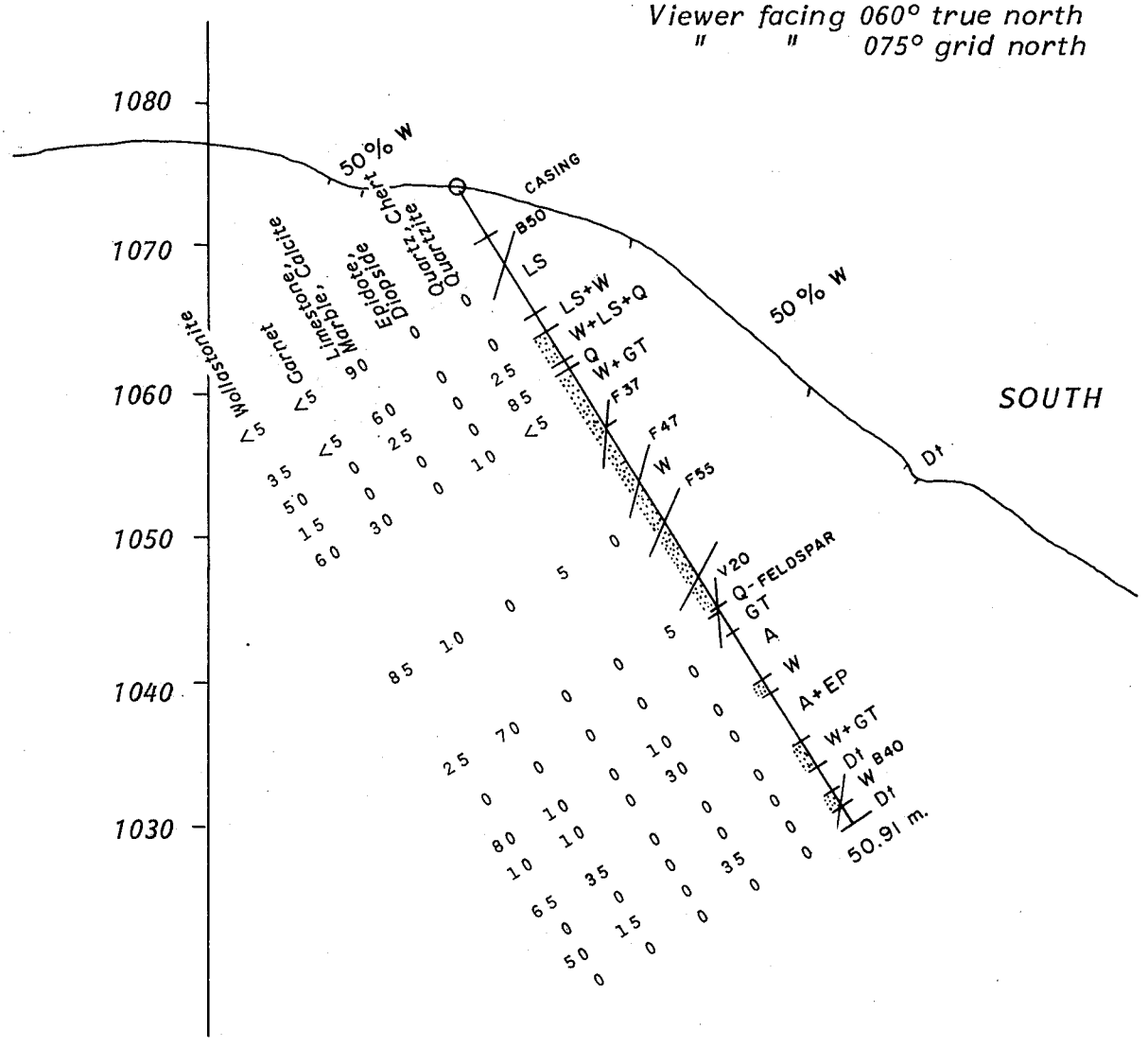
SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988

Hole: 88-12
Angle: -56°24'
Azimuth: 165°23'
Length: 50.91
Elevation: 1073.44 m
Location: 9,802.03N, 10,234.60W

Viewer facing 060° true north
" " 075° grid north



TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

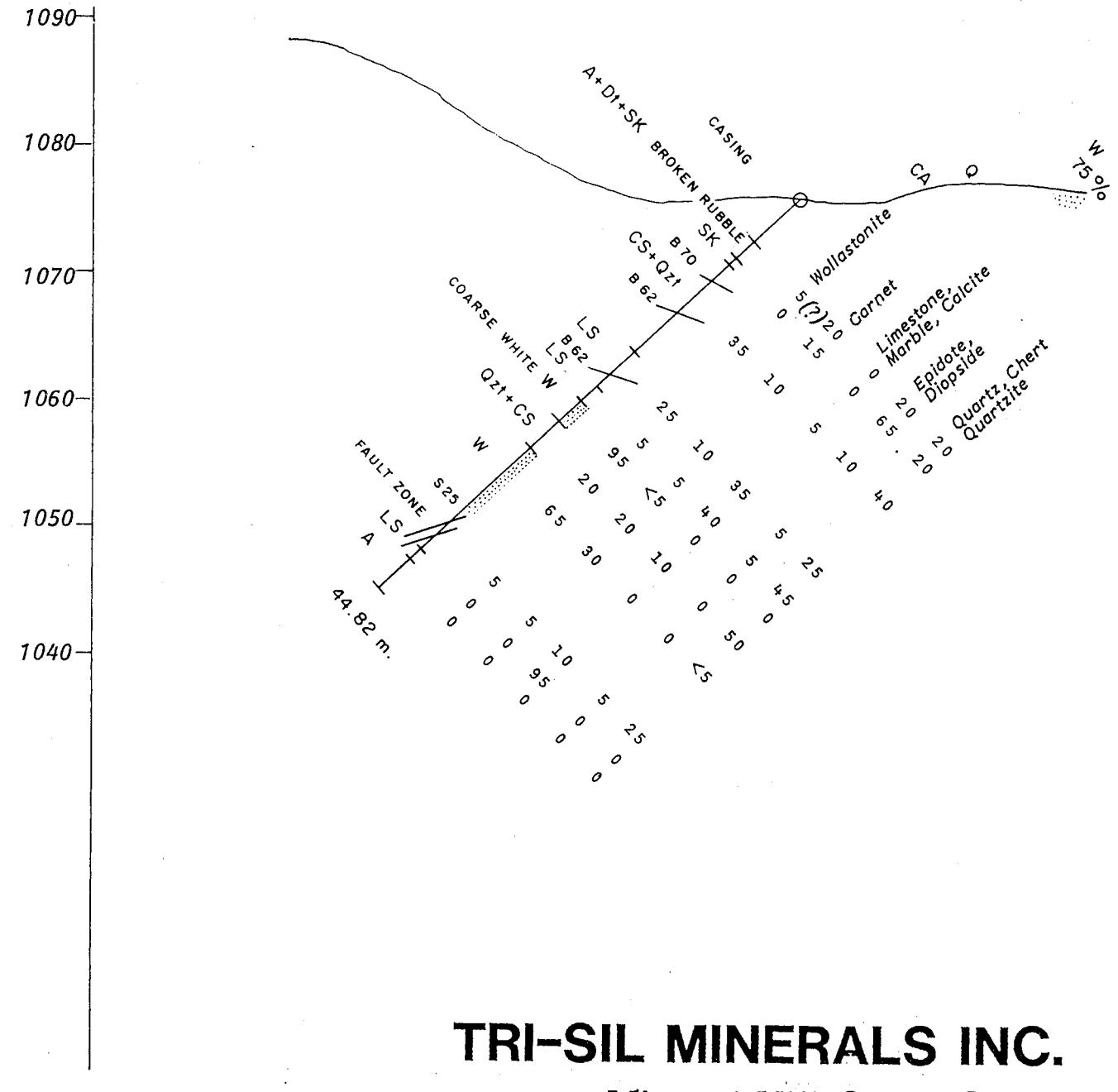
ARCTEX ENGINEERING SERVICES JULY 1988

Hole: 88-13
Angle: -42°13'
Azimuth: 243°58'
Length: 44.82 m
Elevation: 1075.66 m
Location: 9,797.88N, 10,267.84W

Viewer facing 319° true north
" " 334° grid north

SOUTHWEST

NORTHEAST



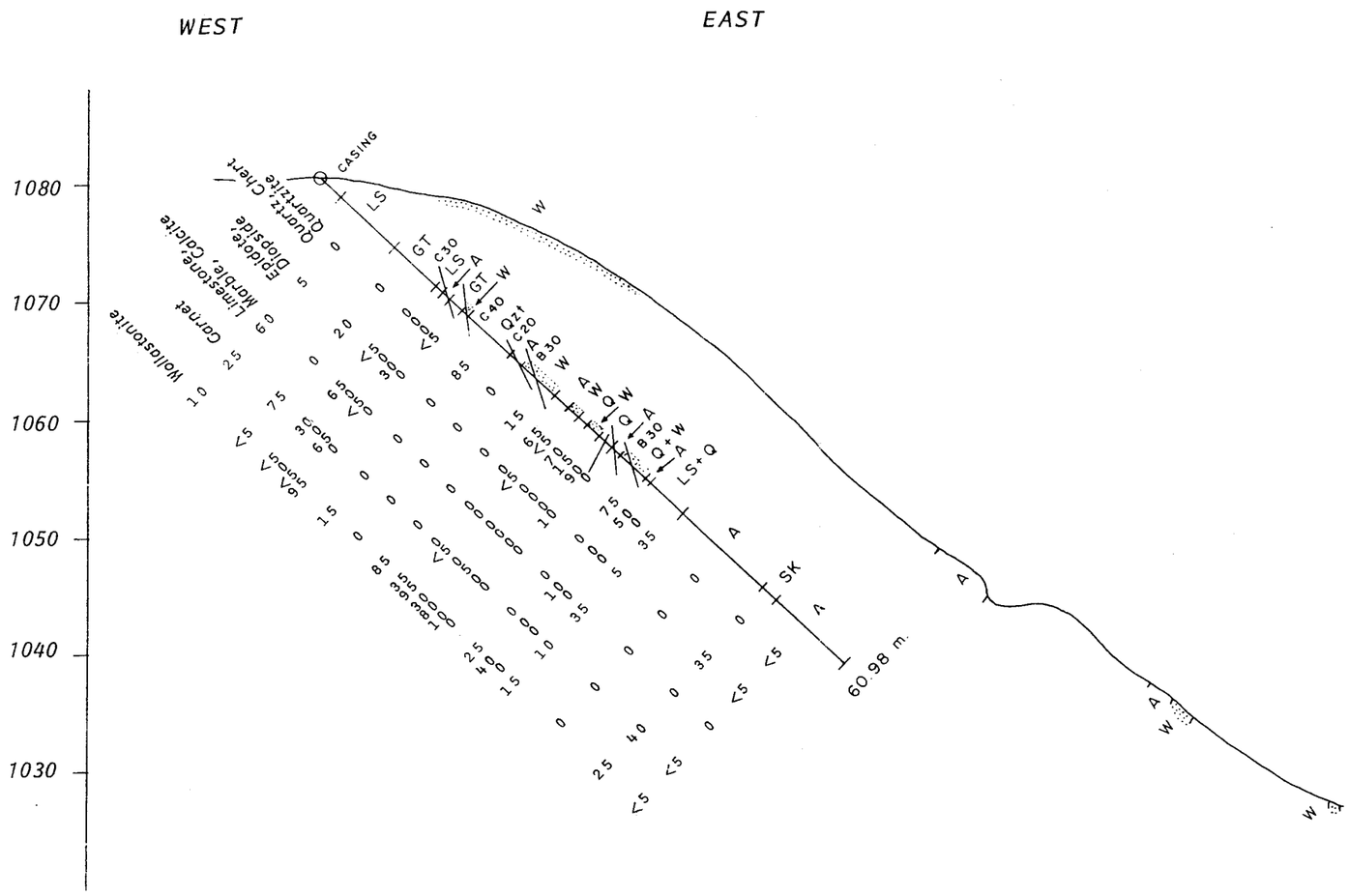
TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988



Hole: 88-14
Angle: -43°25'
Azimuth: 105°38'
Length: 60.98 m
Elevation: 1080.38 m
Location: 10,021.24N, 10,137.81W

Viewer facing 000° true north
" " 015° grid north

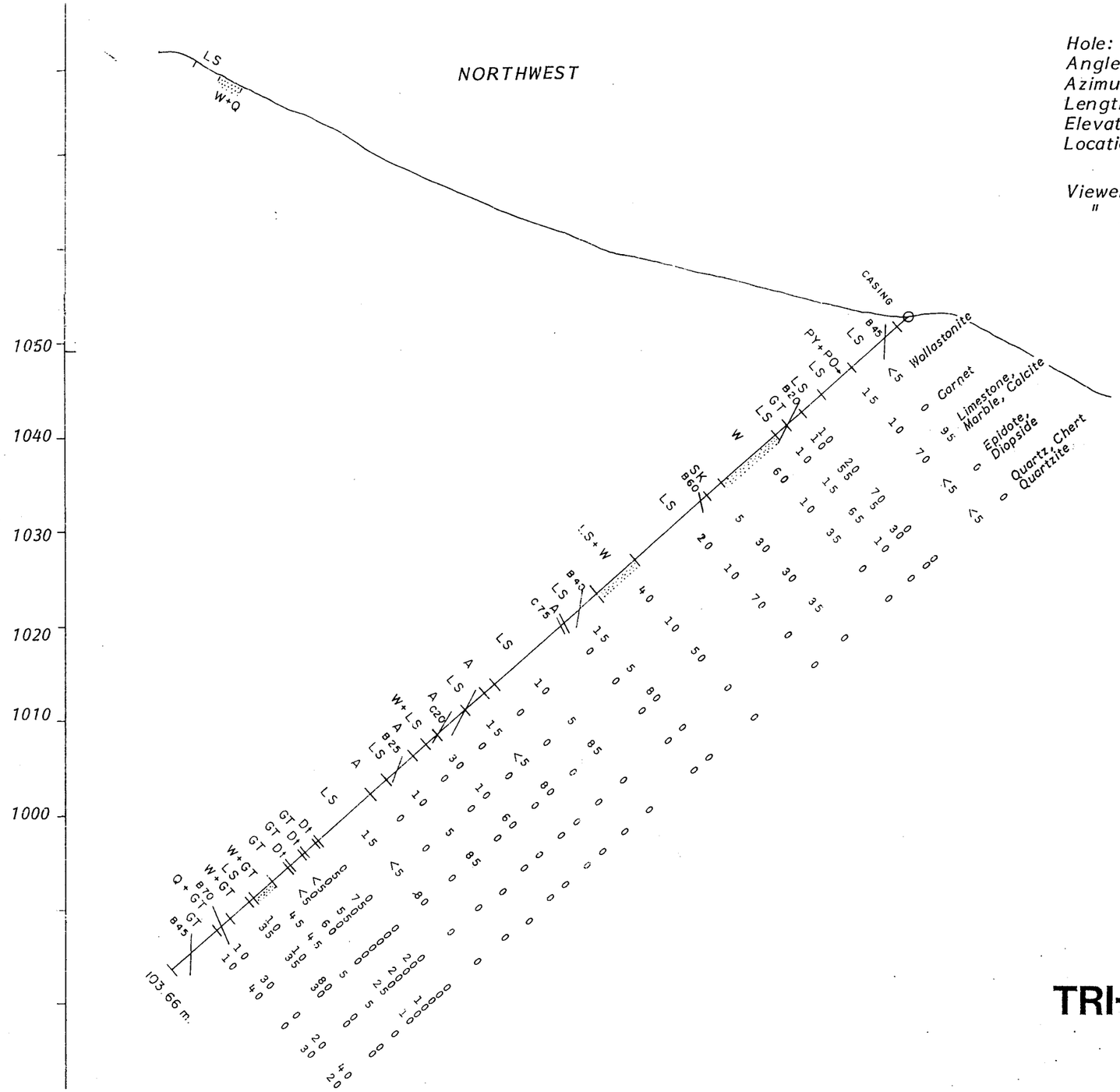
TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988



Hole: 88-15
Angle: -42°08'
Azimuth: 328°22'
Length: 103.66 m
Elevation: 1053.05 m
Location: 9,954.03N, 10,093.23W

Viewer facing 043° true north
" " 058° grid north

TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT: 49° 31' N LONG: 123° 48' W N.T.S. 92G/12W

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L.B. GOLDSMITH, CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES JULY 1988

TRI-SIL MINERALS INC.

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT. 49° 31' N LONG. 123° 48' W N.T.S. 92G/12W

COMPOSITE OF
WOLLASTONITE OCCURRENCES WITH PERCENTAGES

0 5 10 25 METRES 50 **1:500**

TO ACCOMPANY REPORT BY
P. KALLOCK, GEOLOGIST
L. B. GOLDSMITH, P. ENG., CONSULTING GEOLOGIST
ARCTEX ENGINEERING SERVICES JULY 1988

REGISTERED PROFESSIONAL ENGINEER
L. B. GOLDSMITH
PROVINCE OF ONTARIO

inches
0 1 2
0 1 2 3 4 5
centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

10,200 W 10,100 W 10,000 W

10,300 N 10,200 N 10,100 N 10,000 N 9,900 N

D.D.H. COLLAR
LENGTH IN METRES 20.00 m.
SURVEY STATION △15
ROAD
30 % WOLLASTONITE
65 (>40)
80 30

MINE NORTH
TRUE NORTH
15°
CORE SHACK

MINE DATUM POINT 1000.00 METRES
APPROXIMATELY
265 m. ABOVE SEA LEVEL

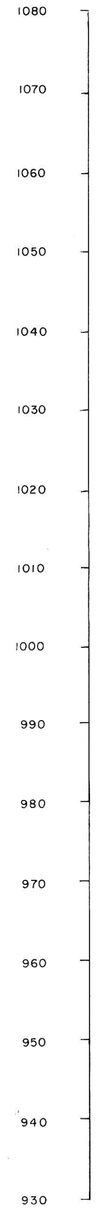
4.5 Km
TO SECHELT

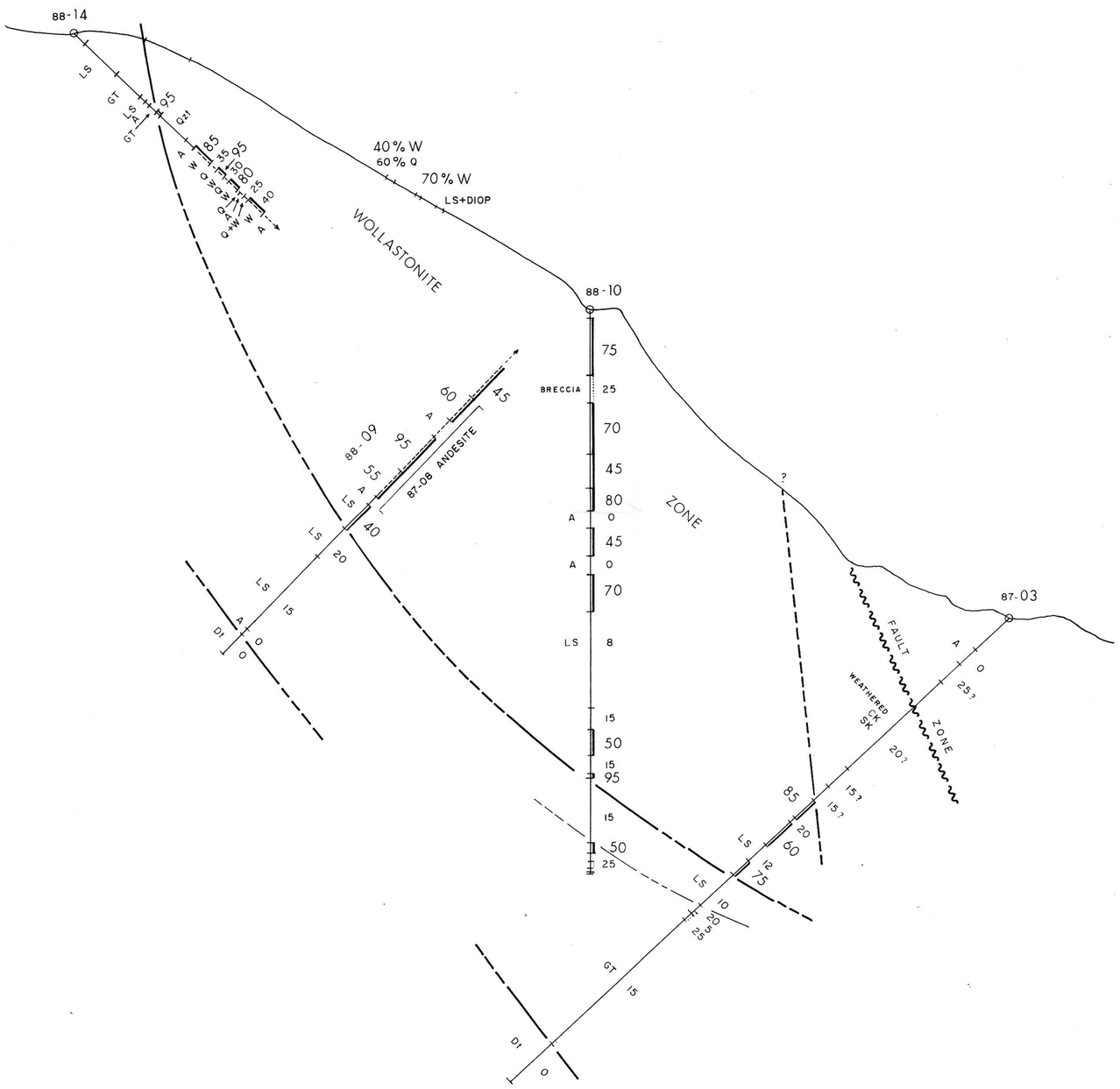
WEST

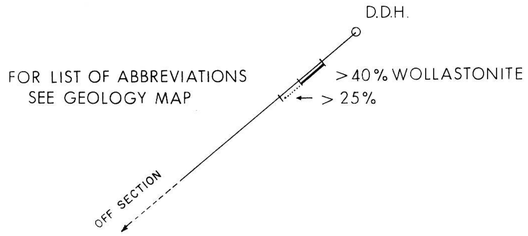
EAST

HORIZONTAL PROJECTIONS OF HOLES IN PLANE

ELEVATIONS
RELATIVE TO MINE DATUM POINT







88-14
88-09
88-10
87-03

TRI-SIL MINERALS INC

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT. 49° 31' N LONG. 123° 48' W N.T.S. 92G/12W

Composite
Vertical Drill Hole Profile

SCALE:

0 5 10 25 50

METRES

1:500

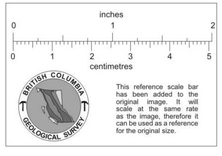
TO ACCOMPANY REPORT BY

PAUL KALLOCK, GEOLOGIST
LOCKE B. GOLDSMITH, P.ENG
CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES

JULY 1988

REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO



TRI-SIL MINERALS INC

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT. 49° 31' N LONG. 123° 48' W N.T.S. 92G/12W

970
LEVEL PLAN

SCALE
0 5 10 25 50
METRES

1:500

TO ACCOMPANY REPORT BY

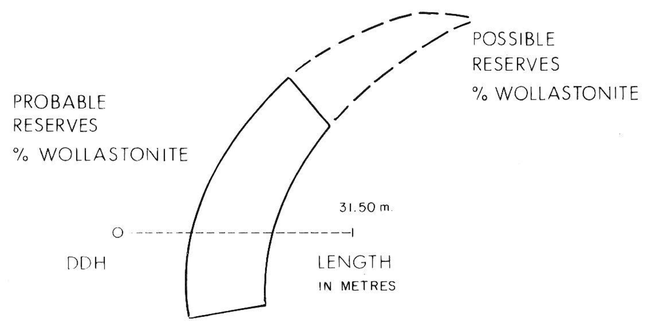
PAUL KALLOCK, GEOLOGIST
LOCKE B. GOLDSMITH, P.ENG.
CONSULTING GEOLOGIST

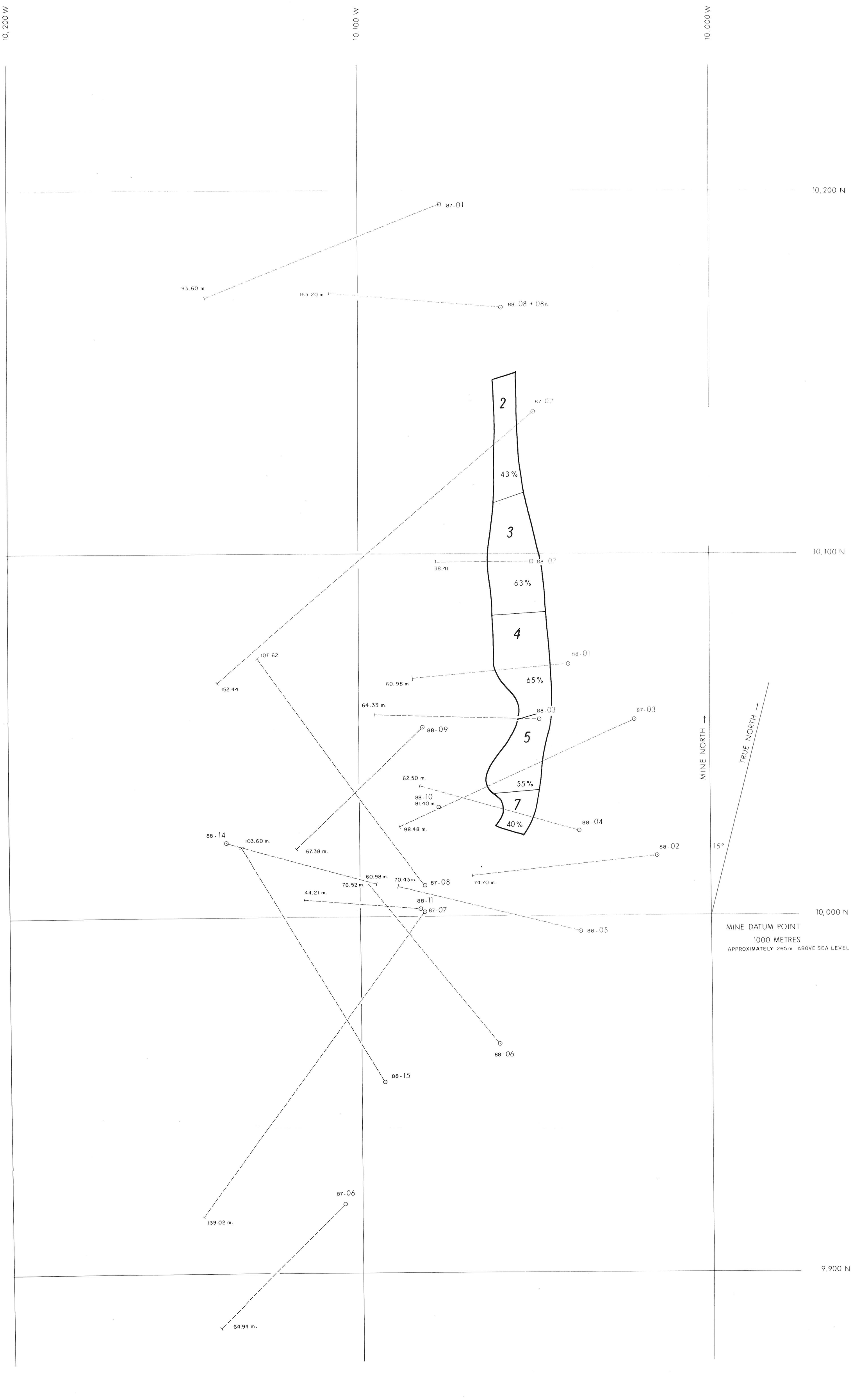
REGISTERED PROFESSIONAL ENGINEER
L.B. GOLDSMITH
PROVINCE OF ONTARIO

ARCTEX ENGINEERING SERVICES

JULY 1988

BLOCK	DDH	% WOLLASTONITE
2	87-02	43
3	88-07	63
4	88-01	65
5	87-03	55
7	88-04	40





TRI-SIL MINERALS INC

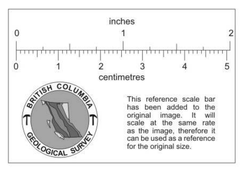
Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT. 49° 31' N LONG. 123° 48' W N.T.S. 92G/12W

980
LEVEL PLAN

SCALE:
0 5 10 25 50
METRES

1:500



TO ACCOMPANY REPORT BY

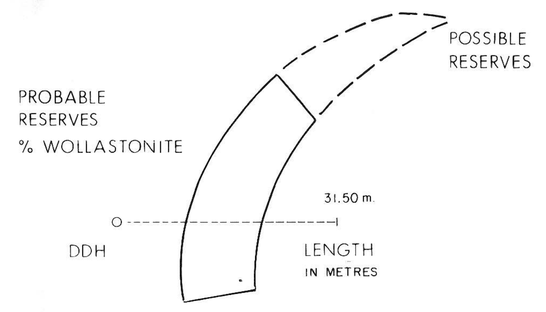
PAUL KALLOCK, GEOLOGIST
LOCKE B. GOLDSMITH, P.ENG.
CONSULTING GEOLOGIST

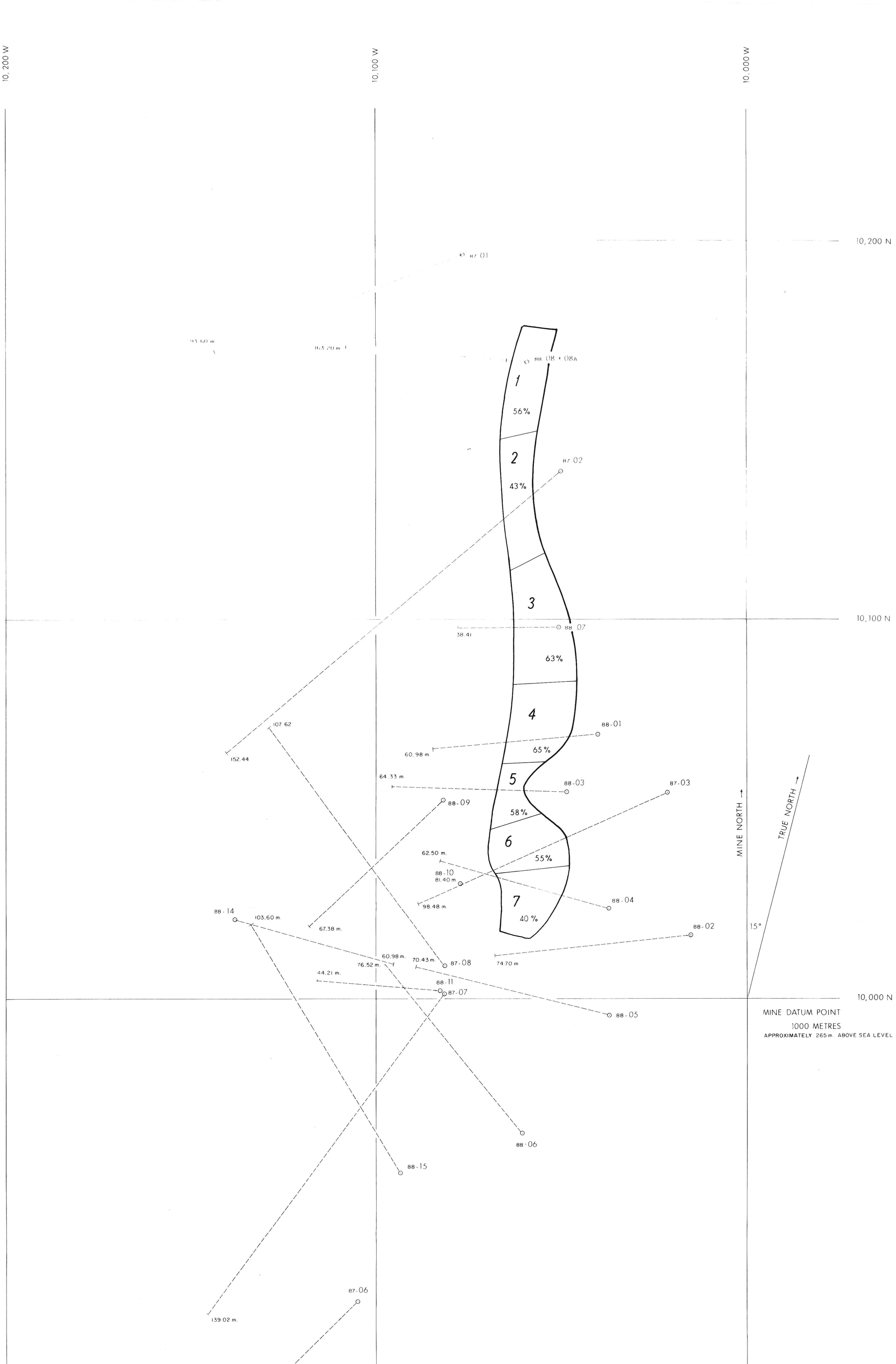
REGISTERED PROFESSIONAL ENGINEER L. B. GOLDSMITH PROVINCE OF ONTARIO

ARCTEX ENGINEERING SERVICES

JULY 1988

BLOCK	DDH	% WOLLASTONITE
1	88-08	56
2	87-02	43
3	88-07	63
4	88-01	65
5	88-03	58
6	87-03	55
7	88-04	40





TRI-SIL MINERALS INC

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT. 49° 31' N LONG. 123° 48' W N.T.S. 92G/12W

990 LEVEL PLAN

SCALE:
0 5 10 25 50
METRES

1:500

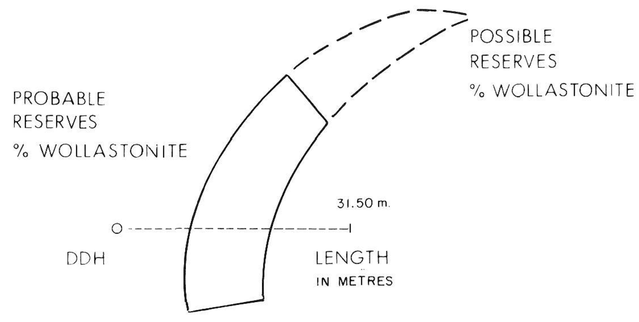
TO ACCOMPANY REPORT BY

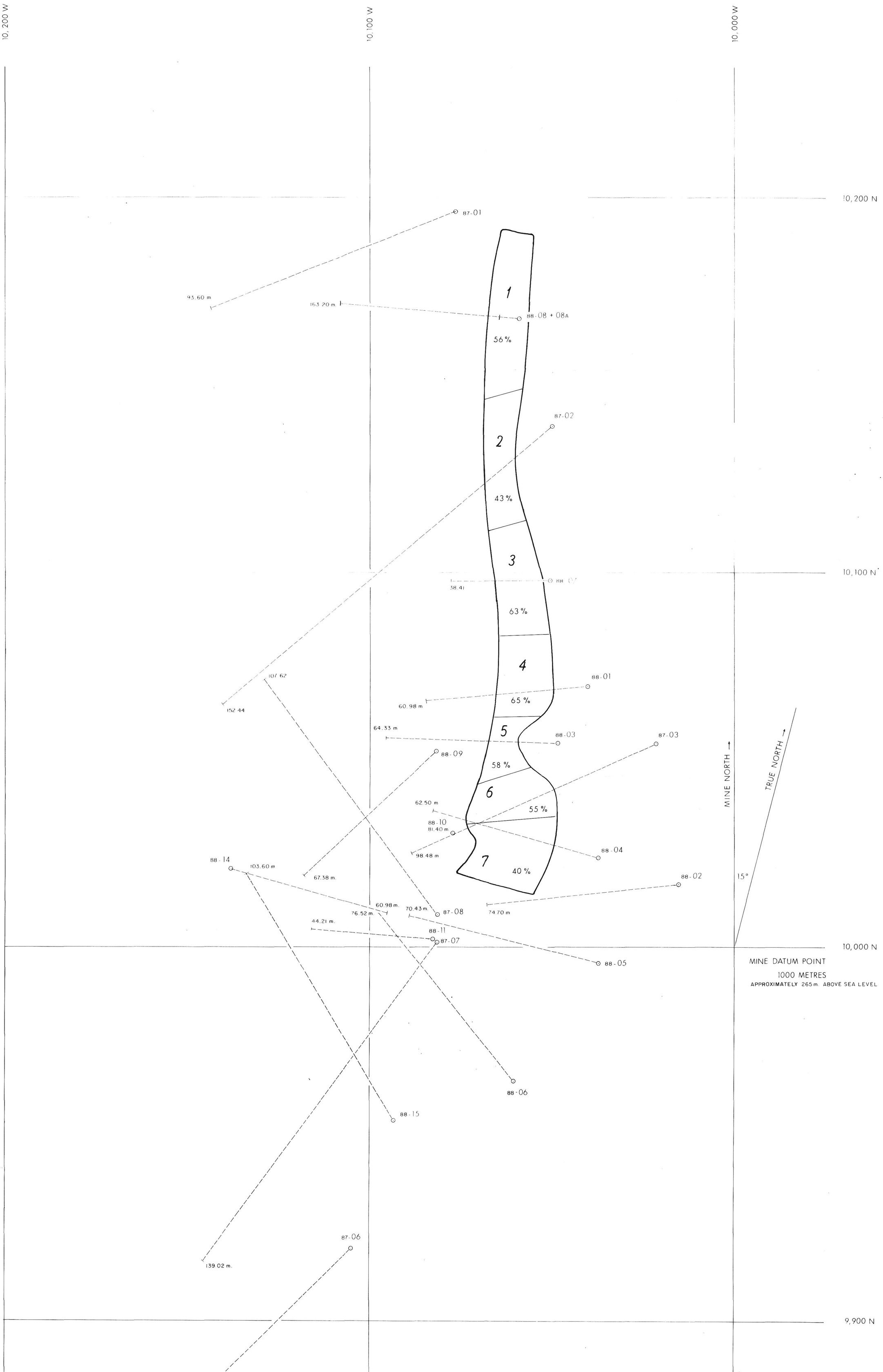
PAUL KALLOCK, GEOLOGIST
LOCKE B. GOLDSMITH, P.ENG.
CONSULTING GEOLOGIST
ARCTEX ENGINEERING SERVICES

REGISTERED PROFESSIONAL ENGINEER L. B. GOLDSMITH PROVINCE OF ONTARIO

JULY 1988

BLOCK	DDH	% WOLLASTONITE
1	88-08	56
2	87-02	43
3	88-07	63
4	88-01	65
5	88-03	58
6	87-03	55
7	88-04	40





TRI-SIL MINERALS INC

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT. 49° 31' N LONG. 123° 48' W N.T.S. 92G/12W

1000 LEVEL PLAN

SCALE:
0 5 10 25 50
METRES

1:500

TO ACCOMPANY REPORT BY

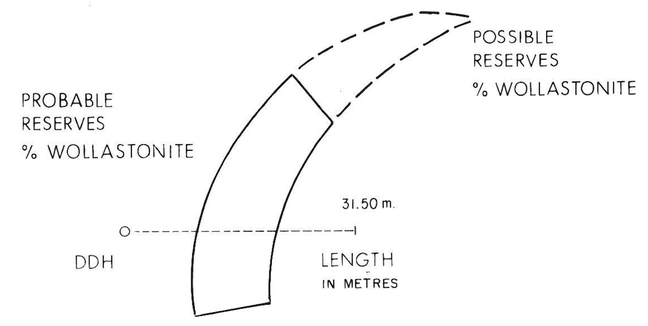
PAUL KALLOCK, GEOLOGIST
LOCKE B. GOLDSMITH, P.ENG
CONSULTING GEOLOGIST

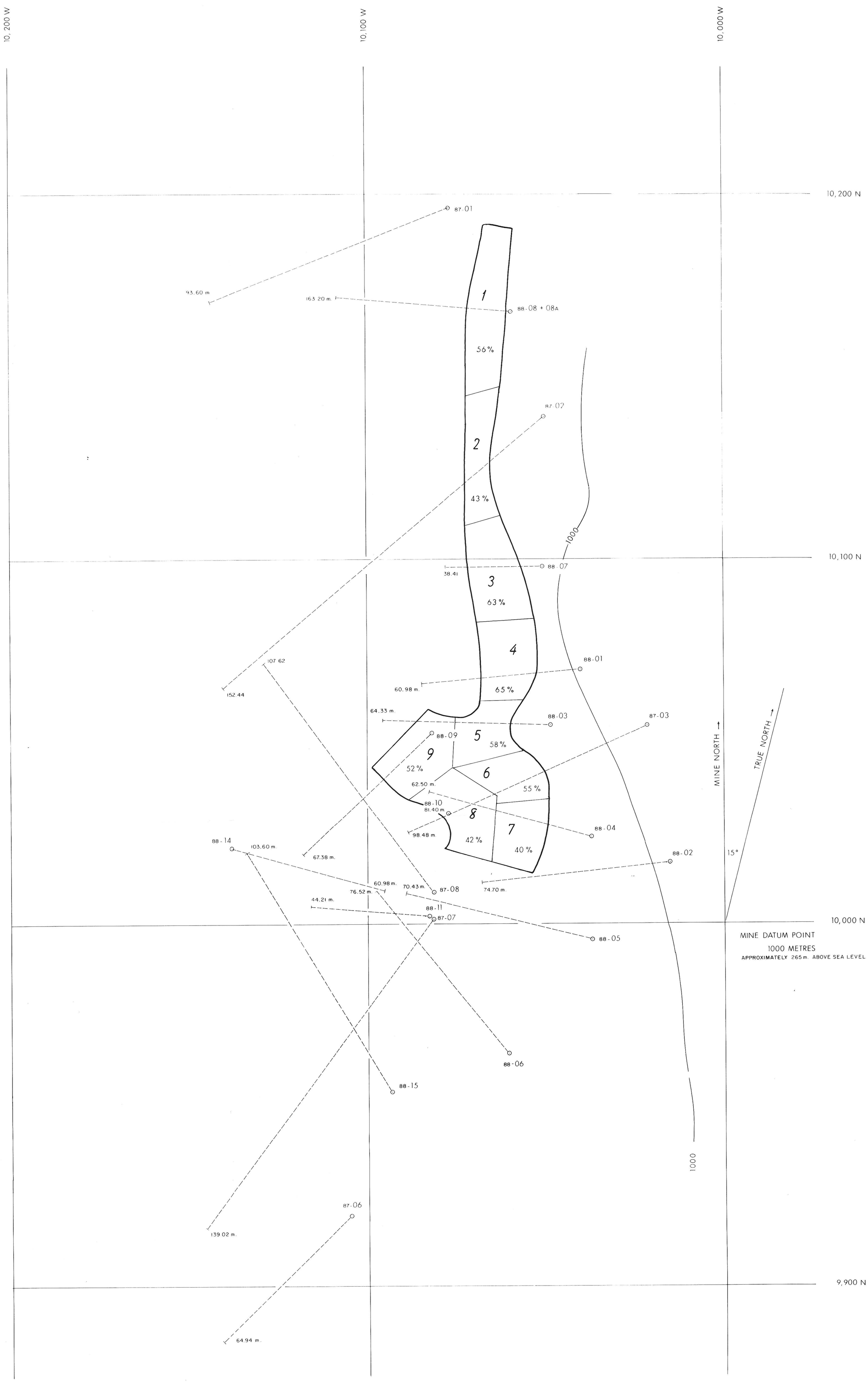
ARCTEX ENGINEERING SERVICES

JULY 1988

REGISTERED PROFESSIONAL ENGINEER
L. B. GOLDSMITH
ONTARIO

BLOCK	DDH	% WOLLASTONITE
1	88-08	56
2	87-02	43
3	88-07	63
4	88-01	65
5	88-03	58
6	87-03	55
7	88-04	40
8	88-10	42
9	88-09	52





TRI-SIL MINERALS INC

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT. 49° 31' N LONG. 123° 48' W N.T.S. 92G/12W

1010 LEVEL PLAN

SCALE:
0 5 10 25 50
METRES

1:500

inches
0 1 2
0 1 2 3 4 5
centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

TO ACCOMPANY REPORT BY

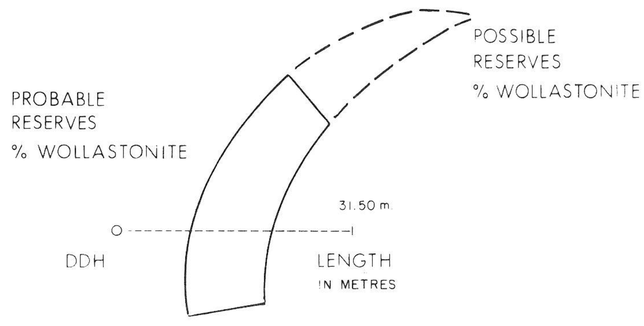
PAUL KALLOCK, GEOLOGIST
LOCKE B. GOLDSMITH, P.ENG.
CONSULTING GEOLOGIST

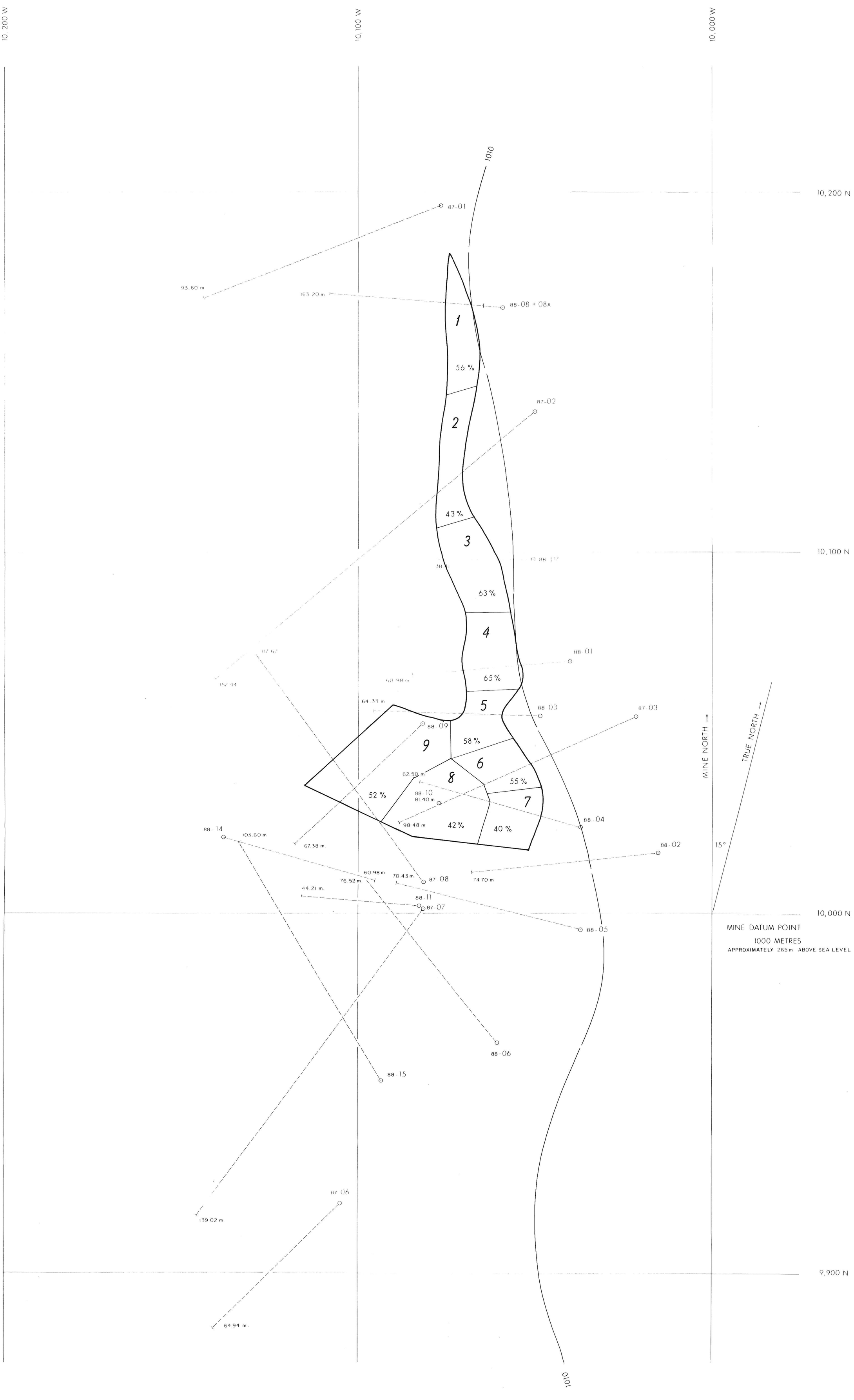
ARCTEX ENGINEERING SERVICES

JULY 1988

REGISTERED PROFESSIONAL ENGINEER L. B. GOLDSMITH PROVINCE OF ONTARIO

BLOCK	DDH	% WOLLASTONITE
1	88-08	56
2	87-02	43
3	88-07	63
4	88-01	65
5	88-03	58
6	87-03	55
7	88-04	40
8	88-10	42
9	88-09	52





TRI-SIL MINERALS INC

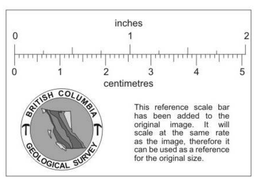
Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT. 49° 31' N LONG. 123° 48' W N.T.S. 92G/12W

1020 LEVEL PLAN

SCALE:
0 5 10 25 50
METRES

1:500



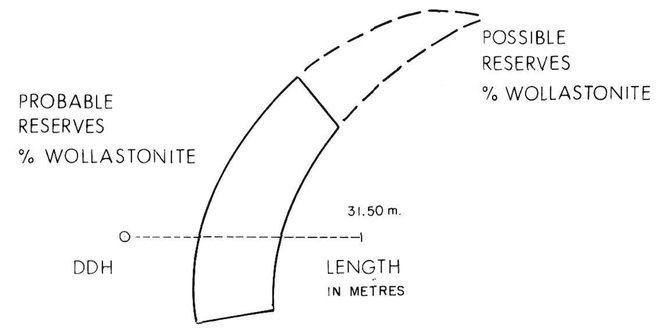
TO ACCOMPANY REPORT BY

PAUL KALLOCK, GEOLOGIST
LOCKE B. GOLDSMITH, P.ENG.
CONSULTING GEOLOGIST

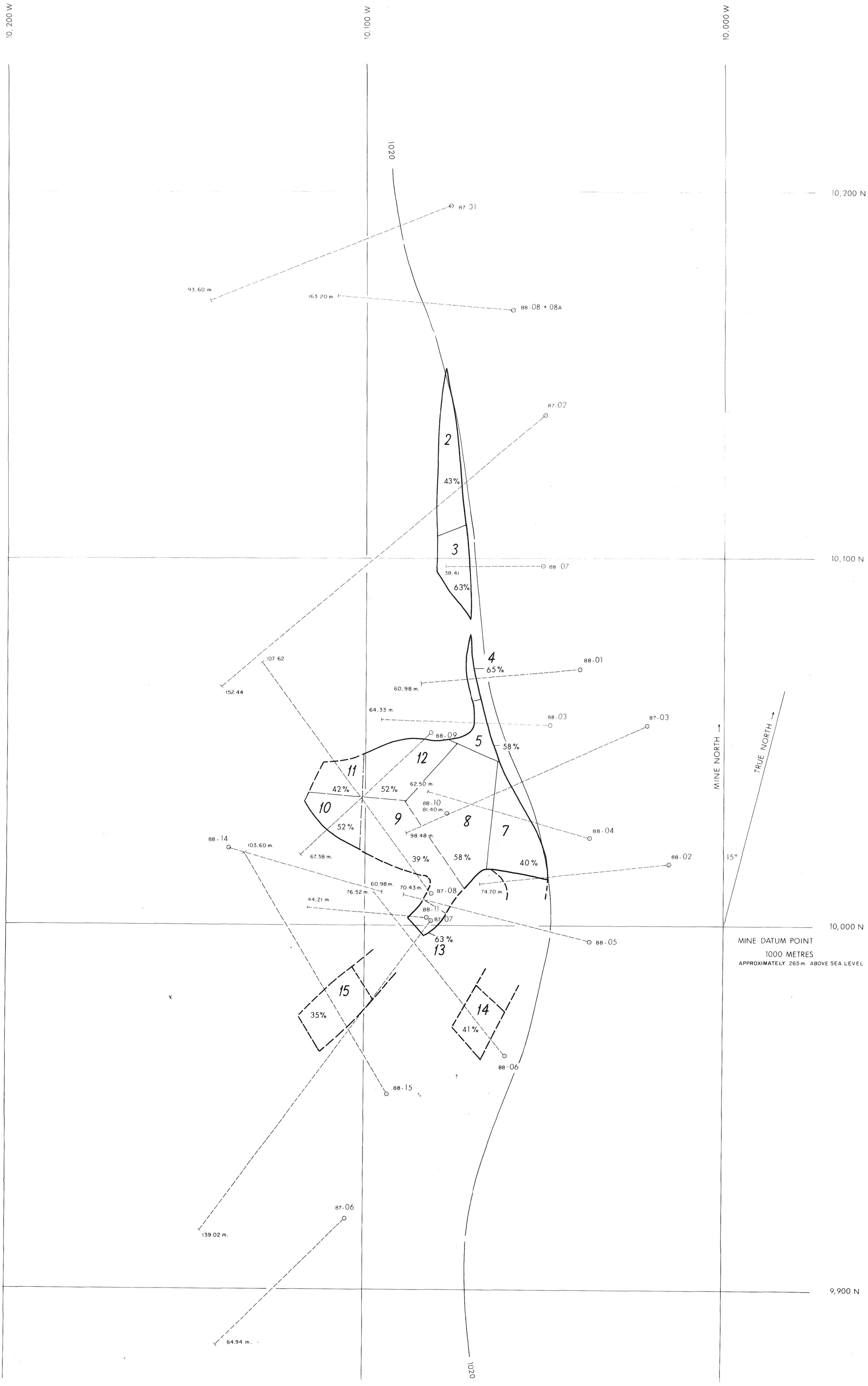
REGISTERED PROFESSIONAL ENGINEER L. B. GOLDSMITH Pprovince of Ontario

ARCTEX ENGINEERING SERVICES

JULY 1988



BLOCK	DDH	% WOLLASTONITE
2	87-02	43
3	88-07	63
4	88-01	65
5	88-03	58
7	88-04	40
8	88-10	58
9	87-08	39
10	88-09	52
11	87-08	42
12	88-09	52
13	88-11	63



TRI-SIL MINERALS INC

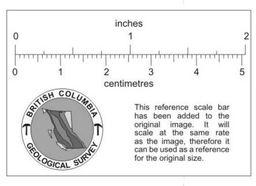
Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT. 49° 31' N LONG. 123° 48' W N.T.S. 92G/12W

1030 LEVEL PLAN

SCALE:
0 5 10 25 50
METRES

1:500



TO ACCOMPANY REPORT BY

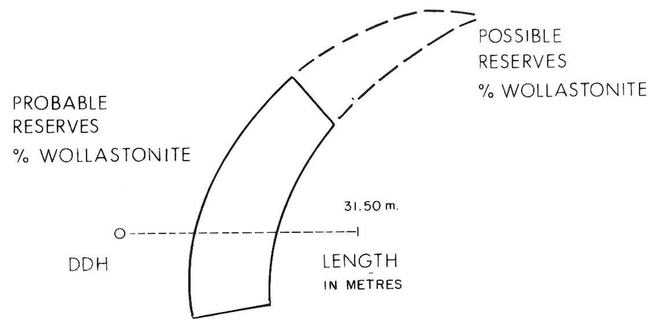
PAUL KALLOCK, GEOLOGIST
LOCKE B. GOLDSMITH, P.ENG.
CONSULTING GEOLOGIST

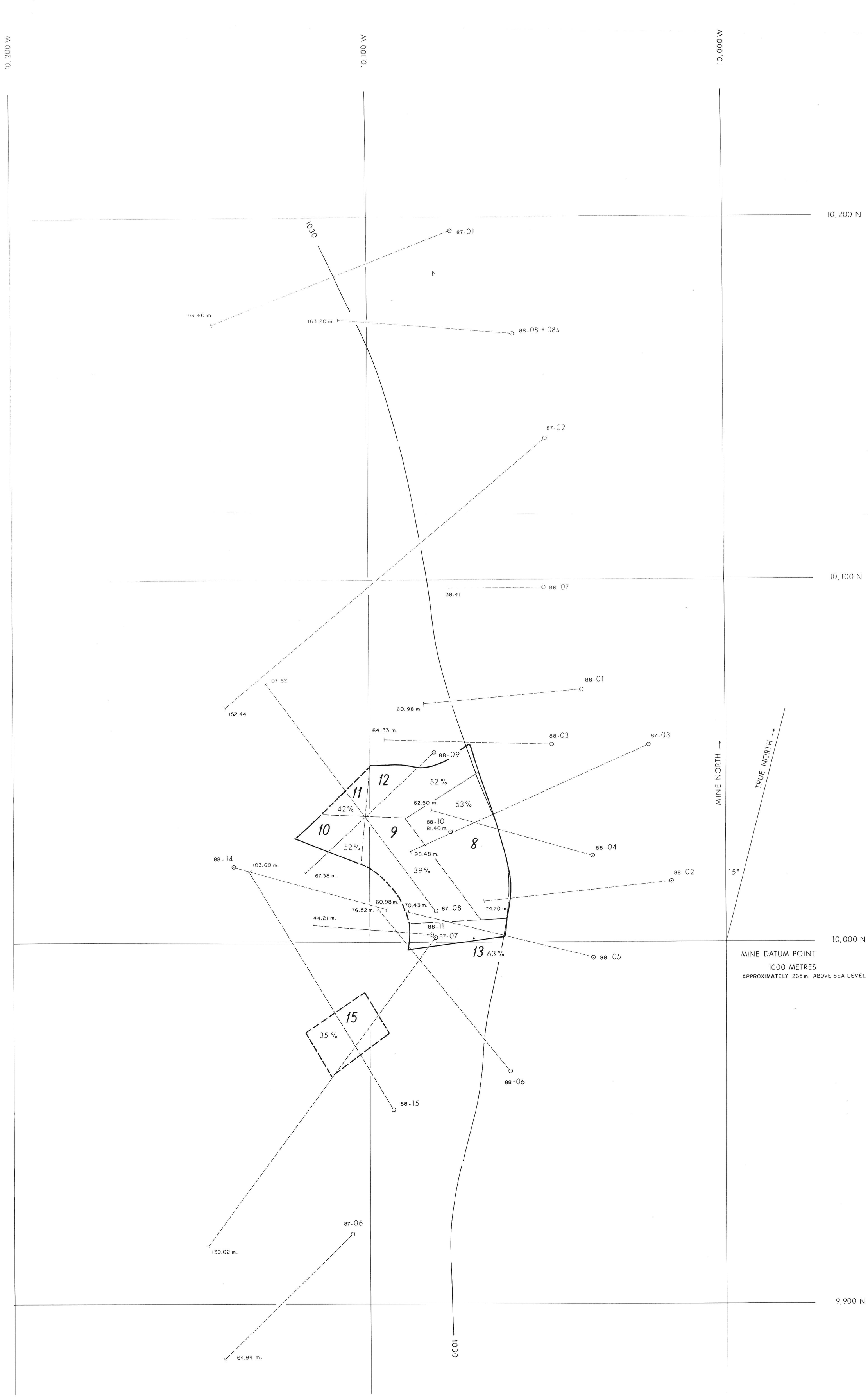
REGISTERED PROFESSIONAL ENGINEER L. B. GOLDSMITH PROVINCE OF ONTARIO

ARCTEX ENGINEERING SERVICES

JULY 1988

BLOCK	DDH	% WOLLASTONITE
8	88-10	53
9	87-08 UPPER	39
10	88-09	52
11	87-08 LOWER	42
12	88-09	52
13	88-11	63
15	88-15	35





TRI-SIL MINERALS INC

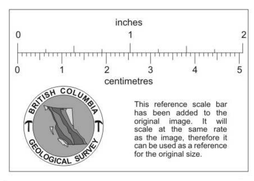
Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT. 49° 31' N LONG. 123° 48' W N.T.S. 92G/12W

1040 LEVEL PLAN

SCALE:
0 5 10 25 50
METRES

1:500



TO ACCOMPANY REPORT BY

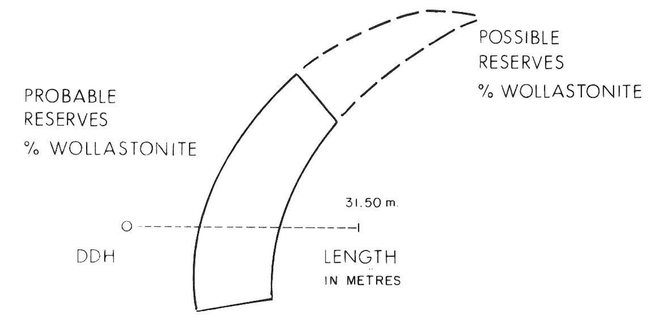
PAUL KALLOCK, GEOLOGIST
LOCKE B. GOLDSMITH, P.ENG.
CONSULTING GEOLOGIST

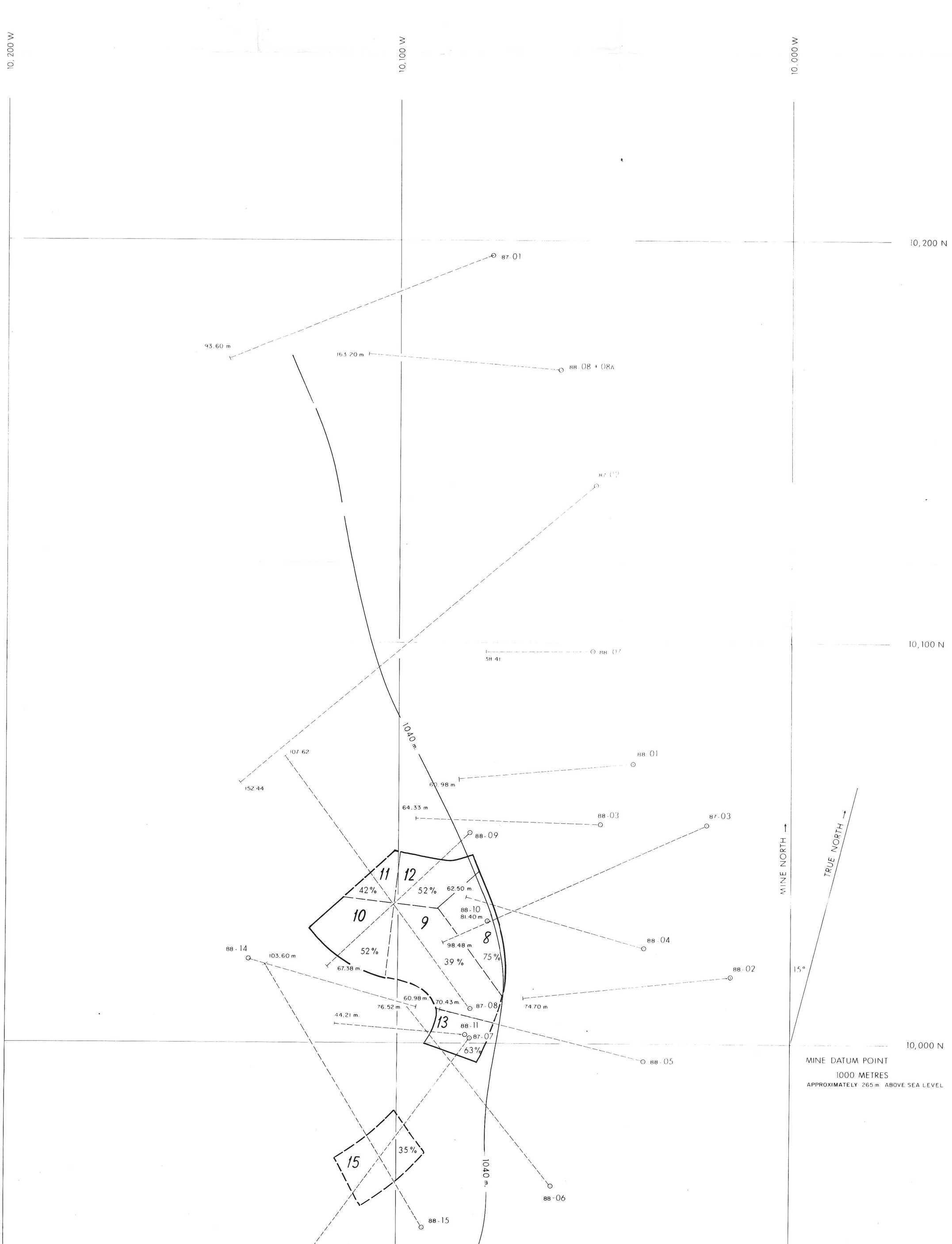
ARCTEX ENGINEERING SERVICES

JULY 1988

REGISTERED PROFESSIONAL ENGINEER L.B. GOLDSMITH PROVINCE OF ONTARIO

BLOCK	DDH	% WOLLASTONITE
9	87-08 UPPER	39
10	88-09	52
11	87-08 LOWER	42
12	88-09	52
13	88-11	63
15	88-15	35
8	88-10	75





TRI-SIL MINERALS INC

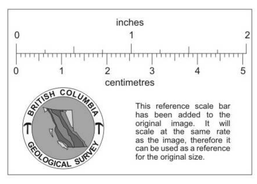
Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT. 49° 31' N LONG. 123° 48' W N.T.S. 92G/12W

1050 LEVEL PLAN

SCALE:
0 5 10 25 50
METRES

1:500



TO ACCOMPANY REPORT BY

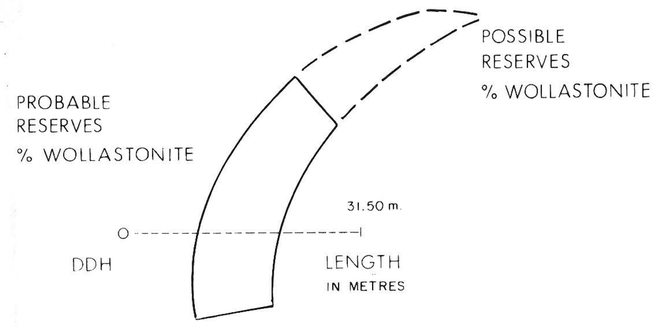
PAUL KALLOCK, GEOLOGIST
LOCKE B. GOLDSMITH, P.ENG.
CONSULTING GEOLOGIST

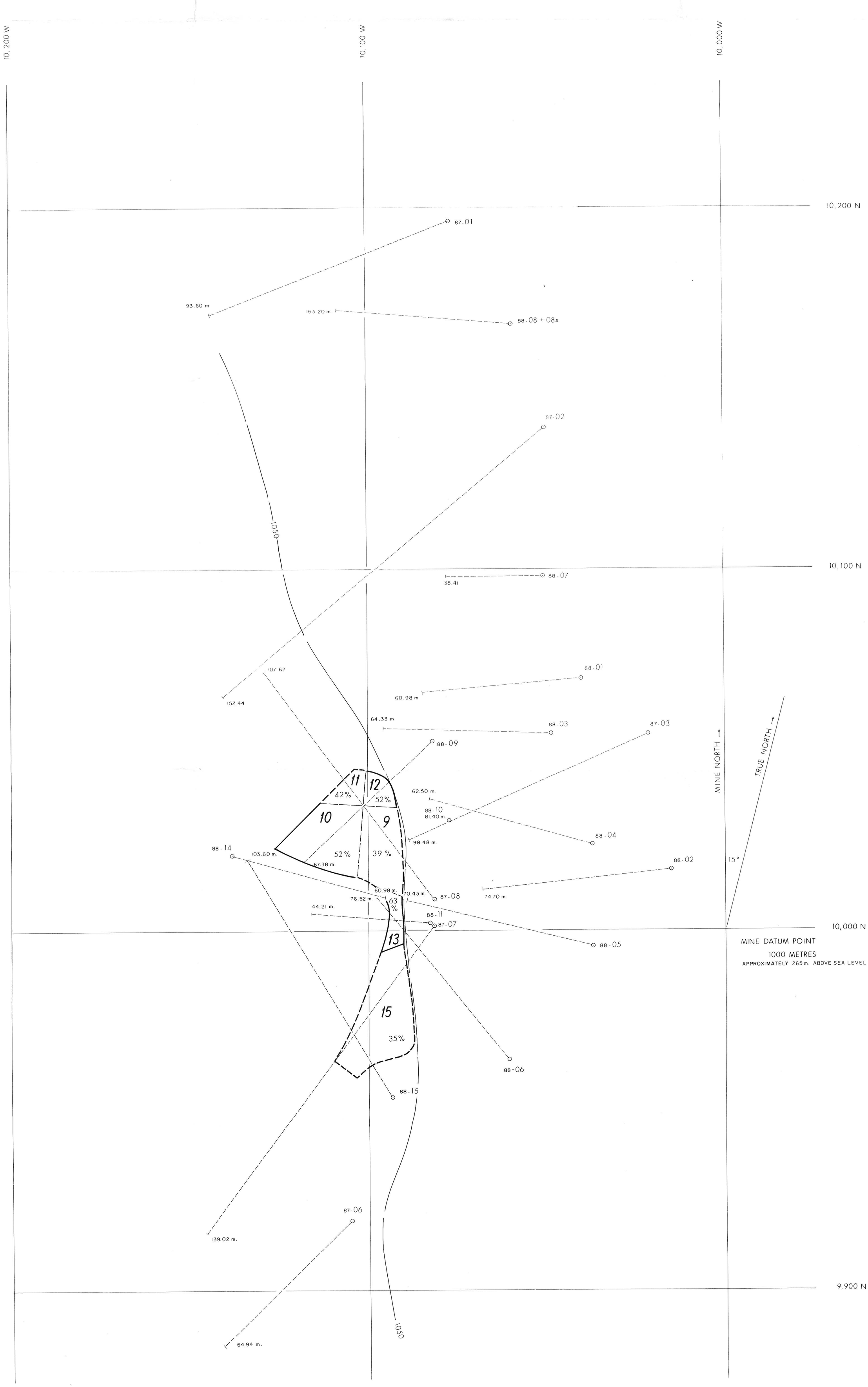
ARCTEX ENGINEERING SERVICES

JULY 1988

REGISTERED PROFESSIONAL ENGINEER L.B. GOLDSMITH PROVINCE OF ONTARIO

BLOCK	DDH	% WOLLASTONITE
9	87-08 UPPER	39
10	88-09	52
11	87-08 LOWER	42
12	88-09	52
13	88-11	63
15	88-15	35



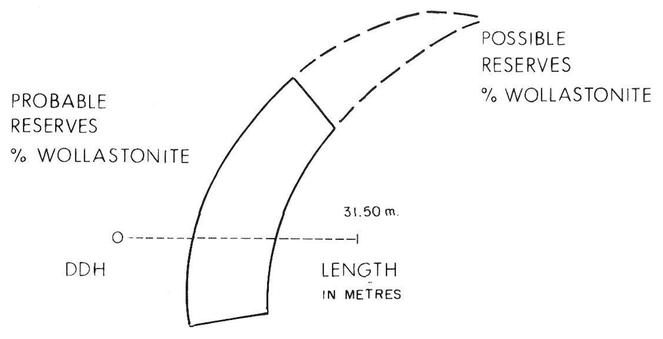


TRI-SIL MINERALS INC

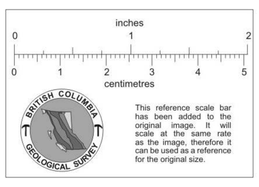
Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT. 49° 31' N LONG. 123° 48' W N.T.S. 92G/12W

BLOCK	DDH	% WOLLASTONITE
9	88-14	43
11	88-09	52
13	88-11	63



1060 LEVEL PLAN



SCALE:

0 5 10 25 50

METRES

1:500

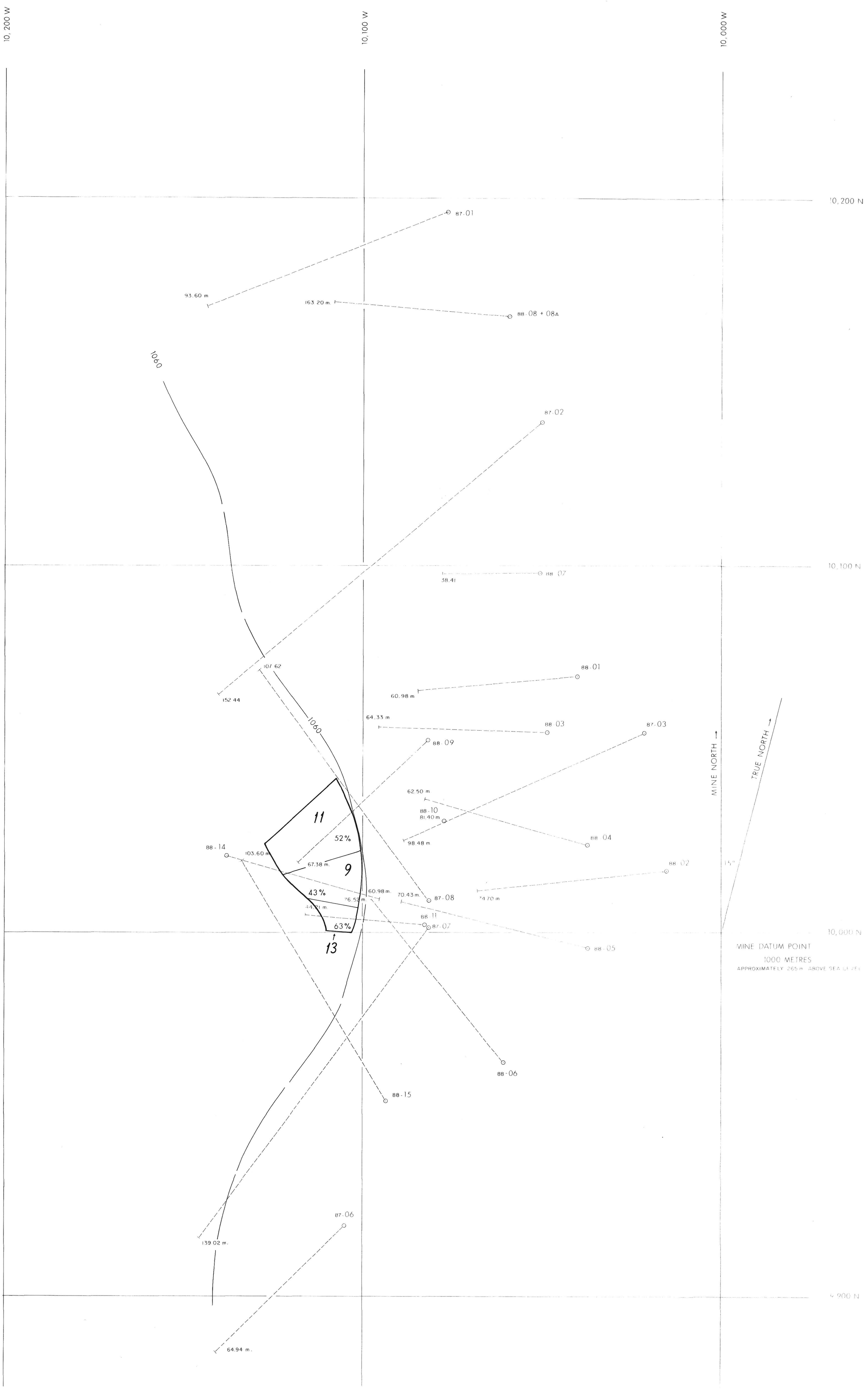
TO ACCOMPANY REPORT BY

PAUL KALLOCK, GEOLOGIST
LOCKE B. GOLDSMITH, P.ENG.
CONSULTING GEOLOGIST

REGISTERED PROFESSIONAL ENGINEER
L. B. GOLDSMITH
PROVINCE OF ONTARIO

ARCTEX ENGINEERING SERVICES

JULY 1988



TRI-SIL MINERALS INC

Mineral Hill Claim Group

SECHELT B.C. VANCOUVER MINING DIVISION
LAT. 49° 31' N LONG. 123° 48' W N.T.S. 92G/12W

BLOCK	DDH	% WOLLASTONITE
13	88-14	43%

1070
LEVEL PLAN

SCALE:
0 5 10 25 50
METRES

1:500

inches
0 1 2
0 1 2 3 4 5
centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

TO ACCOMPANY REPORT BY

PAUL KALLOCK, GEOLOGIST
LOCKE B. GOLDSMITH, P.ENG.
CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES

JULY 1988

REGISTERED PROFESSIONAL ENGINEER
L. B. GOLDSMITH
PROVINCE OF ONTARIO

PROBABLE RESERVES % WOLLASTONITE

POSSIBLE RESERVES % WOLLASTONITE

31.50 m.

DDH — LENGTH IN METRES

10,200 W
10,100 W
10,000 W

10,200 N
10,100 N
10,000 N
9,900 N

87-01 — 93.60 m
88-08 + 08A — 163.20 m.
87-02 — 107.62 — 152.44
88-07 — 38.41
88-01 — 60.98 m.
88-03 — 64.33 m.
87-03
88-09
88-10 — 81.40 m — 62.50 m. — 98.48 m.
88-04
88-14 — 103.60 m.
13 — 43 % — 67.38 m. — 44.21 m.
88-02 — 74.70 m.
87-08 — 60.98 m. — 76.52 m. — 70.43 m.
88-11
87-07
88-05
88-06
88-15
87-06 — 139.02 m.
64.94 m.
1070

MINE NORTH
TRUE NORTH
15°

MINE DATUM POINT
1000 METRES
APPROXIMATELY 265m ABOVE SEA LEVEL

APPENDIX

TO ACCOMPANY

GEOLOGICAL MAPPING, DIAMOND DRILLING AND
RESERVE ESTIMATES OF WOLLASTONITE DEPOSIT
MINERAL HILL CLAIM GROUP
SECHELT AREA, B.C.
VANCOUVER MINING DIVISION
NTS 92 G/12 W
LATITUDE 49°31'N, LONGITUDE 123°49'W

Prepared for

TRI-SIL MINERALS INC.

ARCTEX ENGINEERING SERVICES

Locke B. Goldsmith, P.Eng.
Consulting Geologist

Paul Kallock
Consulting Geologist

July 29, 1988

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 87-1
Location: 10,196.48N, 10,076.39W
Azimuth (mine grid): 249°02' Elevation (mine datum): 1011.16 m Core size: NQ
Angle: -40°00' Length: 93.60 m Core Storage: On property

Commenced: 28/03/87
Completed: 31/03/87
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-3.66 m (0.0-12.0 ft)	Casing.					
3.66-5.03 (12.0-16.5)	Grey banded limestone, impure with weak silicification, disseminated pyrite and dark (carbonaceous?) bands. Minor wollastonite blebs and patches. 3.96 m - banding (probably bedding) at 40°.	5	<5	75	0	15
5.03-8.99 (16.5-29.5)	Grey porous limestone, minor quartz, minor blebs wollastonite. Traces pyrite.	5	<5	85	0	5
8.99-9.85 (29.5-32.3)	Andesite dyke, minor epidote; upper contact at 55°, lower at ∿75°.	0	0	0	0	0
9.85-10.06 (32.3-33.0)	White medium to fine crystalline wollastonite locally bedded at 50°.	90	<5	0	<5	<5
10.06-13.08 (33.0-42.9)	Grey limestone, minor wollastonite. 12.20 m - bedding at 50°.	10	<5	80	<5	<5
13.08-13.63 (42.9-44.7)	Fine-grained brown garnet broken and rehealed with quartz and wollastonite. Lower contact at 30°.	15	60	0	20	5
13.63-14.54 (44.7-47.7)	Light tan to light grey limestone, patchy white wollastonite.	35	5	55	<5	0
14.54-16.65 (47.7-54.6)	Grey limestone, patchy wollastonite + garnet, pyritic banding at 16.55 m = 45°.	10	10	70	10	0
16.65-19.24 (54.6-63.1)	Variable textured limestone from fine light greenish-tan to black and white speckled; local garnet-diopside, black carbonaceous sections and minor pyrite.	<5	15	65	15	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
19.24-25.79 m (63.1-84.6 ft)	Grey limestone, local brecciation with garnet diopside or wollastonite; also each are common as patches or veins(?). 23.02 m - banding at 60°. 25.0 m - banding at 45°.	15	10	60	15	0
25.79-27.74 (84.6-91.0)	Garnetite, lesser wollastonite + diopside; 8% core recovery.	20	60	0	20	0
27.74-29.57 (91.0-97.0)	Grey to tan banded limestone, patchy wollastonite and garnet.	25	20	45	10	0
29.57-31.49 (97.0-103.3)	Limestone, most bedding destroyed by wollastonite and garnet formation.	40	20	35	5	0
31.49-33.69 (103.3-110.5)	Grey limestone, local 1% pyrite; 45° bedding at 31.86 m.	15	5	75	5	0
33.69-36.77 (110.5-120.6)	Dark brown garnetite, locally soft crumbly sharp contacts, upper at 25°, lower at 60°.	5	90	<5	<5	0
36.77-38.96 (120.6-127.8)	Wollastonite, in limestone; middle section is massive, lower part has disseminated wollastonite commonly >0.25 cm.	60	5	35	0	0
38.96-42.80 (127.8-140.4)	Grey limestone; at 42.53 m banding at 45°.	15	10	70	<5	10
42.80-43.54 (140.4-142.8)	Dark brown garnetite, fragmental inclusions within limestone at contacts.	<5	90	<5	0	0
43.54-48.05 (142.8-157.6)	Grey limestone, patchy and disseminated wollastonite + garnet. 43.90 m - beds at 40°; occasional massive garnet up to 0.21 m; occasional massive wollastonite up to 0.30 m.	35	25	40	0	0
48.05-50.79 (157.6-166.6)	Dark brown garnetite, minor coarse crystalline limestone at upper contact; also green banded diopside with garnet in upper 0.76 m. Lower contact at 50°.	5	90	0	5	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
50.79-53.08 m (166.6-174.1 ft)	Grey limestone patches wollastonite and garnet. 51.83 m - bedding at 50°.	15	5	75	5	0
53.08-53.96 (174.1-177.0)	Dark brown garnetite.	5	90	0	5	0
53.96-58.38 (177.0-191.5)	Grey limestone, local breccia, traces pyrite.	15	10	75	0	0
58.38-59.36 (191.5-194.7)	Tan fine crystalline wollastonite with garnet in contorted bands.	80	20	0	0	0
59.36-60.21 (194.7-197.5)	Tan limestone.	15	10	75	0	0
60.21-60.46 (197.5-198.3)	Brown garnet, epidote at margins, lower gradational altered contact with diorite ∿40°.	5	90	0	5	0
60.46-93.60 (198.3-307.0)	Diorite, fine- to medium-grained, weak propylitic alteration. Several sections between 82.93 m and 87.50 m strong epidote and garnet mixed with strong chloritic and epidotized diorite.	0	<5	0	<5	0
93.60 (307.0)	End of hole.					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 87-2
Location: 10,139.23N, 10,050.02W
Azimuth (mine grid): 230°30' Elevation (mine datum): 1001.84 m Core size: NQ
Angle: -40°00' Length: 152.44 m Core Storage: On property

Commenced: 01/04/87
Completed: 07/04/87
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-3.66 m (0.0-12.0 ft)	*Casing.*					
3.66-6.86 (12.0-22.5)	*Very strong chloritic altered diorite, local epidotization and silicification, pyrite to 1%.*	*0*	*0*	*0*	*30*	*10*
6.86-8.08 (22.5-26.5)	*Strong silicification, and local brecciation with quartz and clay, probably fault zone. Shear planes at 45°.*	*?*	*5*	*0*	*50*	*40*
8.08-10.06 (26.5-33.0)	*Poor core recovery; brownish tan garnet and diopsite-epidote.*	*?*	*40*	*0*	*40*	*0*
10.06-13.41 (33.0-44.0)	*Mostly broken, soft, weathered garnetiferous skarn, possibly fauit zone.*	*?*	*40*	*0*	*10*	*0*
13.41-16.31 (44.0-53.5)	*Light tan to brown calc-silicate, abundant epidote-diopside and garnet. Wollastonite is difficult to distinguish, perhaps 15%.*	*15*	*40*	*10*	*35*	*0*
16.31-19.45 (53.5-63.8)	*Tan calc-silicate and limestone with abundant garnet and coarse calcite, locally brecciated with tan porous very fine matrix, local blue-grey limestone.*	*15*	*30*	*50*	*5*	*0*
19.45-21.04 (63.8-69.0)	*Blue-grey limestone and tan garnet-wollastonite.*	*50*	*20*	*30*	*0*	*0*
21.04-23.17 (69.0-76.0)	*Bleached and epidote-altered porphyritic andesite dykes and zones of strong diopside and strong wollastonite + garnet. Banding at ∿50°.*	*35*	*20*	*10*	*30*	*0*
23.17-28.05 (76.0-92.0)	*Tan garnet-wollastonite, white wollastonite, epidote, blue-grey limestone, mixed and locally brecciated.*	*45*	*15*	*35*	*5*	*0*

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
28.05-31.16 m (92.0-102.2 ft)	Limestone, garnetite, lesser wollastonite.	15	35	45	5	0
31.16-32.50 (102.2-106.6)	Brown garnetite.	5	85	0	10	0
32.50-39.12 (106.6-128.3)	Grey limestone, minor garnet + wollastonite + diopside. 32.93 m - 40° banding; several bleached porphyritic andesite dykes <0.25 m wide; 38.72 m - bedding at 45°.	10	10	70	10	0
39.12-39.63 (128.3-130.0)	Porphyritic andesite, white 0.25 cm bleached selvedge along numerous fractures.	0	0	0	0	0
39.63-40.55 (130.0-133.0)	Moderate silicification with fine garnet + epidote.	5	25	20	20	30
40.55-41.22 (133.0-135.2)	Porphyritic andesite.	0	0	0	0	0
41.22-42.26 (135.2-138.6)	Garnet diopside wollastonite skarn.	25	35	0	40	0
42.26-42.99 (138.6-141.0)	Andesite dyke.	0	0	0	0	0
42.99-44.82 (141.0-147.0)	Garnet epidote, lesser wollastonite with limestone.	20	35	35	10	0
44.82-45.09 (147.0-147.9)	Massive pyrrhotite-pyrite vein at 30°.	0	0	0	0	0
45.09-45.82 (147.9-150.3)	Grey limestone, patchy garnet, lesser wollastonite.	5	15	80	0	0
45.82-46.04 (150.3-151.0)	Massive wollastonite.	90	5	0	5	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
46.04-55.52 (151.0-182.1)	Mostly grey banded limestone. 46.40-46.77 m - andesite at 30°. 48.87-49.21 m - massive garnetite. 51.52-51.83 m - massive wollastonite. Scattered blebs of wollastonite + garnet in section.	15	15	70	0	0
55.52-56.31 (182.1-184.7)	Skarn zone of garnet; diopside, minor wollastonite.	10	45	0	45	0
56.31-60.37 (184.7-198.0)	Grey limestone. 57.32 m - banding at 60°. 59.05-59.45 m - garnetite. 60.21-60.37 m garnetite.	10	15	70	5	0
60.37-66.25 (198.0-217.3)	Coarse vuggy limestone (marble), secondary calcite.	10	10	80	0	0
66.25-67.35 (217.3-220.9)	Garnetite, lesser diopside + limestone.	5	70	15	10	0
67.35-70.64 (220.9-231.7)	Mixed fine- to medium-grained diorite, with weakly porphyritic andesite. Minor limestone.	0	0	10	0	0
70.64-85.67 (231.7-281.0)	Dark brown to light brown garnetite, generally fine-grained, variable diopside, minor wollastonite and calcite. Occasional porphyritic andesite inclusion, local garnet-diopside brecciation.	5	75	<5	15	0
85.67-86.55 (281.0-283.9)	Garnet, diopside, quartz and wollastonite breccia.	15	30	0	20	35
86.55-87.68 (283.9-287.6)	Siliceous intrusive (granodiorite?) with 5% pyrite. Occasional wollastonite veinlet.	<5	0	0	10	+5
87.68-97.47 (287.6-319.7)	Fine brown garnetite with diopside, lesser quartz and wollastonite. 95.27 m - 0.03 m andesite dyke at 30°.	5	65	<5	15	10

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
97.47-98.63 m (319.7-323.5 ft)	*Fine-grained diorite, local quartz-epidote garnet.*	*0*	*5*	*0*	*5*	*10*
98.63-110.49 (323.5-362.4)	*Mostly garnetite, locally brecciated, occasional zone of diorite + epidote.*	*5*	*65*	*0*	*20*	*10*
110.49-115.70 (362.4-379.5)	*Alternating zones of diorite up to 0.5 m showing strong epidotization with zones of garnet diopside epidote wollastonite skarn up to 0.5 m. Overall half intrusive, half skarn.*	*5*	*25*	*0*	*30*	*0*
115.70-117.68 (379.5-386.0)	*Mostly andesite, with dioritic inclusions, local epidotization.*	*0*	*0*	*8*	*10*	*0*
117.68-119.60 (386.0-392.3)	*Epidote-diopside garnet, minor intrusive, weak wollastonite.*	*10*	*30*	*0*	*40*	*10*
119.60-121.65 (392.3-399.0)	*Mostly intrusive with epidote, lower 0.40 m are dark fine-grained andesite dyke.*	*0*	*0*	*0*	*20*	*0*
121.65-127.74 (399.0-419.0)	*Garnet-epidote-diopside skarn, vuggy, minor diorite clasts, lesser quartz and wollastonite.*	*15*	*35*	*0*	*35*	*15*
127.74-128.66 (419.0-422.0)	*Andesite, silicified with epidote, minor garnet.*	*0*	*10*	*0*	*25*	*10*
128.66-139.70 (422.0-458.2)	*Skarn same as above.*	*15*	*45*	*0*	*30*	*10*
139.70-143.96 (458.2-472.2)	*Medium-grained diorite, upper and lower contacts at 35°. Generally unaltered except for local chlorite, epidote.*	*0*	*0*	*0*	*0*	*0*
143.96-144.91 (472.2-475.3)	*Garnet epidote diopside skarn.*	*5*	*40*	*0*	*55*	*0*
144.91-148.63 (475.3-487.5)	*Diorite as above.*	*0*	*0*	*0*	*0*	*0*

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
148.63-149.18 m (487.5-489.3 ft)	*Andesite dyke intruding diorite at 50°; minor epidote at contact (within diorite).*	*0*	*0*	*0*	*0*	*0*
149.18-152.44 (489.3-500.0)	*Diorite as above.*	*0*	*0*	*0*	*0*	*0*
152.44 (500.0)	*End of hole.*					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 87-3
Location: 10,054.52N, 10,021.75W
Azimuth (mine grid): 232° Elevation (mine datum): 995.94 m Core size: NQ
Angle: -42°31' Length: 98.48 m Core Storage: On property

Commenced: 08/04/87
Completed: 10/04/87
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-6.71 m (0.0-22.0 ft)	*Casing; no core, overburden.*					
6.71-9.85 (27.0-37.3)	*Andesite and minor diorite; weak chlorite, epidote and pyrite.*	*0*	*0*	*0*	*10*	*0*
9.85-13.41 (37.3-44.0)	*Broken, powdery, tan brecciated and weathered calc-silicate skarn, probably ground up garnet, wollastonite + diopside; clay(?); not much carbonate remains.*	*0-25%(?)*	*25*	*5*	*40*	*0*
13.41-32.01 (44.0-105.0)	*Greenish tan, epidote-diopside, abundant, also wollastonite + garnet, broken friable, locally brecciated.*	*20(?)*	*20*	*0*	*60*	*0*
32.01-35.67 (105.0-117.0)	*Brown garnetite.*	*15(?)*	*75*	*0*	*10*	*0*
35.67-38.87 (117.0-122.5)	*Greenish tan porous epidote diopside, lesser garnet skarn, soft weathered matrix may contain wollastonite. Limestone toward bottom of section.*	*15(?)*	*25*	*20*	*30*	*0*
38.87-42.29 (122.5-138.7)	*Coarse white wollastonite, minor garnet and limestone.*	*85*	*5*	*5*	*5*	*0*
42.29-43.41 (138.7-142.4)	*White silicate, blue-grey limestone, light green garnet(?), minor wollastonite.*	*20*	*20*	*20*	*0*	*20*
43.41-48.32 (142.4-158.5)	*Coarse white wollastonite mixed with blue-grey limestone.*	*60*	*5*	*35*	*0*	*0*
48.32-51.83 (158.5-170.0)	*Limestone with patches of wollastonite and garnet.*	*12*	*5*	*83*	*0*	*0*

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
51.83-54.66 m (170.0-179.3)	White wollastonite, minor section of coarse blue-grey limestone intimately mixed with wollastonite.	75	5	20	0	0
54.66-59.54 (179.3-195.3)	Limestone, grey with scattered wollastonite. Occasional andesite dyke <0.05 m at 75°-90° to core axis. Minor garnet, epidote.	10	5	80	5	0
59.54-60.37 (195.3-198.0)	Brown to dark brown garnetite, 0.1 m of wollastonite at upper contact at 75°.	20	75	0	5	0
60.37-61.19 (198.0-200.7)	Strong silicification, green diopside stringers.	<5	<5	0	20	70
61.19-64.27 (200.7-210.8)	Garnetite, with diopside, wollastonite and grey limestone; 0.2 m andesite dyke at 63.41 m at 50°.	25	40	15	20	0
64.27-90.40 (210.8-296.5)	Garnetite, mostly dark brown. 67.30-67.59 m - bleached, fine-grained diorite dyke at 65°. Occasional other narrower diorite. 76.59-76.83 m - andesite at 55°. 78.66-79.05 m - silicified and bleached diorite(?) at ∿45°. 80.03-80.21 m - diorite at 50°.	15	65	0	15	5
90.40-98.48 (296.5-323.0)	Diorite local strong silicification or epidotization. Occasional garnetite <0.3 m.	0	5	0	5	5
98.48 (323.0)	End of hole.					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 87-4
Location: 9,839.06N, 10,193.96W
Azimuth (mine grid): 220°00' Elevation (mine datum): 1068.51 m Core size: NQ
Angle: -40°00' Length: 45.73 m Core Storage: On property

Commenced: 20/04/87
Completed: 22/04/87
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-1.52 m (0.0-5.0 ft)	*Casing.*					
1.52-11.59 (5.0-38.0)	*Dark fine-grained diorite, local bleaching to light green. Lower contact at 50° with 0.01 m pyrite.*	*0*	*0*	*0*	*0*	*0*
11.59-12.26 (38.0-40.2)	*Light grey medium crystalline limestone.*	*0*	*10*	*85*	*5*	*0*
12.26-24.70 (40.2-81.0)	*Tan to brown banded silicate, very fine-grained grey quartzite laminated with wollastonite interbeds and lesser grey limestone beds; 14.33-15.85 m - no core; probably solution cavity in limestone; 13.57 m - banding at 40°. 24.09 m - banding at 50°.*	*30*	*20*	*15*	*5*	*30*
24.70-38.26 (81.0-125.5)	*Grey limestone with numerous large (>0.05 m) white wollastonite patches; local pyrite.*	*25*	*5*	*70*	*0*	*0*
38.26-45.73 (125.5-150.0)	*Poor recovery (10%). Dark grey siliceous metasediment, grey limestone.*	*5*	*5*	*65*	*0*	*25*
45.73 (150.0)	*End of hole.*					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 87-5
Location: 9,839.33N, 10,191.08W
Azimuth (mine grid): 346°11' Elevation (mine datum): 1068.10 m Core size: NQ
Angle: -41°49' Length: 40.55 m Core Storage: On property

Commenced: 22/04/87
Completed: 24/04/87
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-1.52 m (0.0-5.0 ft)	*Casing.*					
1.52-11.01 (5.0-36.1)	*Very fine-grained grey to tan quartzite with numerous irregular patches of wollastonite + garnet. Numerous fine hairline quartz stringers; 4.57 m - weak banding at 10° to core axis. 10.82 m - banding at 25°. Occasional pyrite veinlet.*	*15*	*15*	*0*	*0*	*70*
11.01-15.34 (34.1-50.3)	*Increased wollastonite content, similar siliceous metasediments, no carbonate.*	*30*	*15*	*0*	*0*	*55*
15.34-16.07 (50.3-52.7)	*Very siliceous brecciated metasediment.*	*15*	*10*	*0*	*0*	*75*
16.07-40.55 (52.7-133.0)	*Fine-grained black and white speckled diorite. Silicified gradational upper contact. Several epidotized and silicified altered zones with pyrite, generally less than 0.2 m. 33.93-35.06 m - strong silicified + bleached diorite, strong epidote + pyrite at margins. 36.98-40.55 m - increased epidote and silicification and bleaching and pyritization, generally in banding or foliation within diorite at 55°-60°.*	*0*	*0*	*0*	*5*	*5*
40.55 (133.0)	*End of hole.*					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 87-6
Location: 9,919.59N, 10,104.92W
Azimuth (mine grid): 226°12' Elevation (mine datum): 1050.19m Core size: NQ
Angle: -39°54' Length: 64.94m Core Storage: On property

Commenced: 25/04/87
Completed: 29/04/87
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-1.52 m (0.0-5.0 ft)	*Casing, coarse-grained diorite fragments.*	*0*	*0*	*0*	*0*	*0*
1.52-3.26 (5.0-10.7)	*Mixed very coarse-grained and fine-grained diorite.*	*0*	*0*	*0*	*0*	*0*
3.26-9.24 (10.7-30.3)	*Mostly brown garnetite, lesser diopside rich skarn, occasional andesite and diorite dyke.*	*10*	*60*	*0*	*10*	*15*
9.24-13.57 (30.3-44.5)	*Diorite and hornblende-feldspar porphyritic andesite intrusives. Minor chloritic alteration. Lower contact sharp at 50°.*	*0*	*0*	*0*	*0*	*0*
13.57-17.77 (44.5-58.3)	*Brown garnetite, lesser zones of silicification; scattered irregular wollastonite. Locally 1% pyrite and sphalerite.*	*20*	*55*	*5*	*10*	*10*
17.77-22.41 (58.3-73.5)	*Brown garnetite, with silicification and diopside, epidote. Patches pyrite, sphalerite + chalcopyrite.*	*5*	*35*	*0*	*40*	*20*
22.41-22.87 (73.5-75.0)	*Wollastonite + diopside + garnet.*	*60*	*15*	*0*	*15*	*10*
22.87-27.90 (75.0-91.5)	*Diopside, epidote, garnet and minor wollastonite skarn.*	*5*	*20*	*0*	*70*	*5*
27.90-30.73 (91.5-100.8)	*Coarse irregular white wollastonite garnet, minor diopside.*	*45*	*25*	*0*	*20*	*10*
30.73-31.43 (100.8-103.1)	*Strong silicification, increasing toward intrusive contact.*	*5*	*40*	*0*	*10*	*45*

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
31.43-32.53 (103.1-106.7)	Andesite porphyry, feldspar and pyroxene phenocrysts; contacts at 30°-35°.	0	0	0	0	0
32.53-35.61 (106.7-116.8)	Wollastonite garnet diopside skarn, silicification towards upper contact.	35	25	0	25	15
35.61-37.80 (116.8-124.0)	Banded siliceous skarn mixed with silicified porphyritic intrusive; at 36.74 m - banding at 50°.	10	25	0	25	40
37.80-39.54 (124.0-129.7)	Silicified porphyritic intrusive.	0	0	0	0	20
39.54-42.38 (129.7-139.0)	Mixed intrusive with garnet diopside epidote wollastonite banded skarn.	10	20	0	20	20
42.38-44.21 (139.0-145.0)	Banded grey siliceous sediment (very fine quartzite?) with wollastonite, lesser garnet + diopside. Banding at 45°.	35	10	0	10	45
44.21-48.99 (145.0-160.7)	Diorite, pyritic and silicified with minor skarn above 45.73m. Propylitic altered below 45.73 m. More pyrite in lower 0.76m.	<5	<5	0	<5	<5
48.99-60.98 (160.7-200.0)	Mixed intrusive with strongly altered zones of silicification, epidote, bleaching and zones of vuggy diopside, garnet skarn; 2-3% pyrite.	0	5	0	20	10
60.98-64.94 (200.0-213.0)	Fine- to medium-grained diorite, minor local bleaching and silicification.	0	0	0	0	0
64.94 (213.0)	End of hole.					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 87-7
Location: 10,001.14N, 10,081.43W
Azimuth (mine grid): 217°00' Elevation (mine datum): 1043.50 m Core size: NQ
Angle: -40°00' Length: 139.02 m Core Storage: On property

Commenced: 30/04/87
Completed: 05/05/87
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-4.88 m (0.0-16.0 ft)	*Casing.*					
4.88-5.18 (16.0-17.0)	*White to light grey limestone, minor quartz.*	*0*	*0*	*90*	*0*	*10*
5.18-7.62 (17.0-25.0)	*Andesite dyke, contacts ∿70°(?).*	*0*	*0*	*0*	*0*	*0*
7.62-12.80 (25.0-42.0)	*Vuggy silicified limestone, limestone and pale green diopside in brecciated silicified limestone; 25% recovery.*	*0*	*0*	*20*	*30*	*50*
12.80-13.60 (42.0-44.6)	*Andesite dyke, irregular contacts.*	*0*	*0*	*0*	*0*	*0*
13.60-13.84 (44.6-45.4)	*Silicified limestone with coarse wollastonite.*	*35*	*0*	*35*	*0*	*30*
13.84-14.97 (45.4-49.1)	*Andesite dyke, irregular contacts.*	*0*	*0*	*0*	*0*	*0*
14.97-15.40 (49.1-50.5)	*Silicified limestone with wollastonite.*	*25*	*<5*	*45*	*0*	*30*
15.40-22.99 (50.5-75.4)	*Mottled coarse grey limestone with irregular silicification, garnet + diopside, minor wollastonite, minor andesite dykes.*	*5*	*10*	*55*	*10*	*20*
22.99-23.38 (75.4-76.7)	*White fine-grained wollastonite at 55°.*	*70*	*10*	*0*	*20*	*0*
23.38-25.09 (76.7-82.3)	*Calc-silicate and grey limestone, wollastonite + garnet augens to 0.15 m.*	*35*	*10*	*50*	*5*	*0*

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
25.09-28.35 m (82.3-93.0 ft)	Light grey massive limestone except for two andesite dykes <5 cm. Weak dark bands at 25°.	<5	<5	85	<5	0
28.35-29.88 (93.0-98.0)	Andesite dyke, upper contact at 55°.	0	0	0	0	0
29.88-30.79 (98.0-101.0)	Grey limestone, wollastonite ± garnet augens.	20	10	60	10	0
30.79-31.86 (101.0-104.5)	White limestone with 0.32 m andesite dyke, minor wollastonite.	5	0	60	0	0
31.86-34.09 (104.5-111.8)	Grey limestone, abundant wollastonite, lower contact at 60°. Also local strong grey quartz matrix with wollastonite clasts; minor silicified intrusive.	45	5	20	10	20
34.09 34.94 (111.8-114.6)	Andesite dyke, epidote at lower 60° contact.	0	0	0	10	0
34.94-36.40 (114.6-119.4)	Grey limestone with 0.10 m andesite.	5	<5	90	0	0
36.40-38.11 (119.4-125.0)	Andesite unaltered sharp irregular contacts.	0	0	0	0	0
38.11-40.82 (125.0-133.9)	Grey limestone, minor wollastonite patches, minor andesite <0.1 m.	15	5	75	0	0
40.82-42.68 (133.9-140.0)	Andesite, weak epidote, chlorite.	0	0	0	0	0
42.68-43.54 (140.0-142.8)	Limestone, minor wollastonite.	10	<5	85	0	0
43.54-51.59 (142.8-169.2)	Andesite, minor silicification and epidotization. Light brown garnet in lower 0.5 m. Sharp irregular ∿30° lower contact.	0	5	0	5	5

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
51.59-53.17 m (169.2-174.4 ft)	Light grey massive quartz cut by 0.09 m andesite, and a single 0.2 m wollastonite vein. Sharp lower contact at 45° with 0.25 cm wollastonite. Quartz may represent cherty metasediment at 5° to core axis.	25	<5	0	0	70
53.17-53.45 (174.4-175.3)	Grey limestone.	5	5	90	0	0
53.45-57.35 (175.3-188.1)	Brown garnetite, local grey silicification, and irregular wollastonite; minor grey limestone.	10	60	5	15	10
57.35-58.69 (188.1-192.5)	Brown garnetite, grey limestone with white wollastonite.	35	15	40	10	0
58.69-65.55 (192.5-215.0)	Brown garnetite and calc-silicate, minor limestone. Strong siliceous banding 38° at 63.72 m; 65.24-65.49 m - siliceous diorite.	10	50	<5	20	15
65.55-70.27 (215.0-230.5)	Brown garnetite sections up to 0.2 m within grey limestone; wollastonite in garnetite and as small patches in limestone.	5	35	55	5	0
70.27-71.52 (230.5-234.6)	Garnetite and garnetite breccia, minor grey limestone.	10	75	5	5	5
71.52-71.86 (234.6-235.7)	Diorite inclusions in garnetite.	5	50	0	0	0
71.86-77.38 (235.7-253.8)	Banded garnetite, wollastonite + grey silicate; no carbonate. 73.48 m - banding at 70°. 76.83 m - banding at 65°.	40	25	0	0	35
77.38-80.06 (253.8-262.6)	Siliceous fine-grained banded skarn grading downward into vuggy calc-silicates, then into garnetite near contact.	5	35	25	5	30
80.06-84.54 (262.6-277.3)	Fine-grained diorite, upper contact at 45°, lower at 60°.	0	0	0	0	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
84.54-92.62 m (277.3-303.8)	Brown garnetite with white wollastonite, minor diopside.	30	60	0	10	0
92.62-92.80 (303.8-304.4)	Andesite dyke at 55°.	0	0	0	0	0
92.80-94.45 (304.4-309.8)	White wollastonite, locally fragmental with garnet matrix.	80	15	0	<5	<5
94.45-96.01 (309.8-314.9)	Black sphalerite 50%, garnetite near margins, also contains 25% pyrrhotite, 10% pyrite, 5% chalcopyrite; section has previously been split and assayed: 1.5 m of 1% Cu, 22.2% Zn, 1.37 oz Ag/ton, 0.002 oz Au/ton, 1 ppm Ga (Goldsmith, 1987).	0	10	0	0	0
96.01-101.68 (314.9-333.5)	Garnetite, wollastonite + diopside skarn, traces of sphalerite.	40	40	0	20	0
101.68-108.54 (333.5-356.0)	Brown garnetite, diopside and wollastonite, occasional section of silicified intrusive <0.25 m.	20	45	0	30	0
108.54-109.85 (356.0-360.3)	Garnetite with 5% pyrite-sphalerite, abundant diopside. Split section 108.5-109.9 m assayed: 0.24% Cu, 3.15% Zn, 0.48 oz Ag/ton, <0.002 oz Au/ton, 5 ppm Ga (Goldsmith, 1987).	5	60	0	20	5
109.85-114.02 (360.3-374.0)	Garnet, wollastonite + diopside, 1% sphalerite. Split section: 112.5-113.0 m assayed: 0.65% Cu, 8.5% Zn, 0.73 oz Ag/ton, <0.002 oz Au/ton, 1 ppm Ga (Goldsmith, 1987).	45	35	0	20	0
114.02-116.77 (374.0-383.0)	Garnetite.	15	55	0	30	0
116.77-119.21 (383.0-391.0)	Wollastonite, garnet diopside, minor siliceous intrusive inclusion.	40	30	0	25	0
119.21-119.70 (391.0-392.6)	Garnetite.	5	85	0	5	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
119.70-120.73 m (392.6-396.0 ft)	*Dark basalt dyke at 20°.*	*0*	*0*	*0*	*0*	*0*
120.73-128.35 (396.0-421.0)	*Dark banded garnet-diopside skarn.* *122.26 m - 55° to 60° banding.* *123.72-124.02 m - sillcified intrusive banded at 50°.* *126.52-127.29 m silicified intrusive.* *125.30 m - 45° bedding.*	*5*	*40*	*0*	*40*	*15*
128.35-129.94 (421.0-426.2)	*Dark banded silicate with irregular wollastonite similar to above.*	*15*	*35*	*0*	*35*	*15*
129.94-131.62 (426.2-431.7)	*Andesite, diorite and siliceous garnet skarn.*	*5*	*35*	*0*	*10*	*10*
131.62-139.02 (431.7-456.0)	*Garnet wollastonite, diopside skarn, minor intrusives.* *Foliation or banding 40°-50°; traces sphalerite.*	*40 (45?)*	*25*	*0*	*25*	*0*
139.02 (456.0)	*End of hole.*					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 87-8
Location: 10,008.91N, 10,081.37W
Azimuth (mine grid): 323°07' Elevation (mine datum): 1042.72 m Core size: NQ
Angle: -43°03' Length: 107.62 m Core Storage: On property

Commenced: 06/05/87
Completed: 10/05/87
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-1.52 m (0.0-5.0 ft)	Casing.					
1.52-1.83 (5.0-6.0)	Andesite rubble.	0	0	0	0	0
1.93-3.87 (6.0-12.7)	Light tan to light grey limestone with numerous sections of wollastonite and limestone/wollastonite breccia.	20	5	75	0	0
3.87-6.10 (12.7-20.0)	Locally up to 0.76 m of massive wollastonite in limestone breccia.	70	5	20	0	0
6.10-8.05 (20.0-26.4)	Tan limestone and breccia with wollastonite.	20	<5	75	0	0
8.05-11.52 (26.4-37.8)	Several intrusive dykes with associated silicification of adjacent limestone, several wollastonite sections up to 0.6 m.	40	5	20	15	15
11.52-13.41 (37.8-44.0)	Pale green fine-grained diopside, minor wollastonite. Lower contact at 50°.	<5	0	5	90	0
13.41-47.56 (44.0-156.0)	Andesite dyke, fine-grained, unaltered. Lower contact at 25°.	0	0	0	0	0
47.56-48.63 (156.0-159.5)	Swirls of white wollastonite, lesser brown garnet in grey limestone.	75	10	10	5	0
48.63-50.91 (159.5-167.0)	Andesite, upper contact 65°, lower 50°.	0	0	0	0	0
50.91-54.27 (167.0-178.0)	Wollastonite in grey limestone + limestone breccia.	65	<5	30	<5	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
54.27-56.34 m (178.0-184.8 ft)	Silicified limestone breccia?/conglomerate? sections up to 0.4 m long within limestone and diopside/wollastonite intervals.	15	10	25	25	25
56.34-57.41 (184.8-188.3)	Mostly coarse crystalline white wollastonite grading downward into wollastonite-garnet augens.	75	10	15	0	0
57.41-63.41 (188.3-208.0)	Grey limestone with wollastonite-garnet augens. 61.89 m - banding at 20°.	15	5	80	0	0
63.41-74.70 (208.0-245.0)	Grey limestone. 64.63 m - banding at 25°. 68.60 m - banding at 55°.	10	5	85	0	0
74.70-76.40 (245.0-250.6)	Garnetite diopside and wollastonite + grey quartz; irregular augens.	25	35	0	15	25
76.40-77.90 (250.6-255.5)	Grey limestone pockets of garnet and garnet diopside wollastonite breccia.	5	5	85	5	0
77.90-85.49 (255.5-280.4)	Massive dark brown to black garnet swirled with diopside and minor wollastonite.	5	65	0	30	0
85.49-86.13 (280.4-282.5)	Grey limestone, garnet + wollastonite augens.	15	10	75	0	0
86.13-88.02 (282.5-288.7)	Garnetite as above.	5	65	0	30	0
88.02-88.93 (288.7-291.7)	Grey limestone, weak foliation at 30°.	5	5	90	0	0
88.93-89.94 (291.7-295.0)	Limestone and garnetite, trace pyrite.	5	50	45	0	0
89.94-95.43 (295.0-313.0)	Garnetite, dark purple, locally brecciated.	5	70	0	25	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
95.43-96.04 (313.0-315.0)	*Andesite dyke.*	*0*	*0*	*0*	*0*	*0*
96.04-105.03 (315.0-344.5)	*Garnetite locally banded at 60°, mixed with numerous zones of altered diorite and andesite which show silicification bleaching and epidotization.*	*5*	*30*	*0*	*25*	*10*
105.03-107.62 (344.5-353.0)	*Fine- to medium-grained diorite, weak chloritic alteration. Upper contact ∿65°.*	*0*	*0*	*0*	*0*	*0*
107.62 (353.0)	*End of hole.*					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-1
Location: 10,069.79N, 10,039.92W
Azimuth (mine grid): 265°27' Elevation (mine datum): 999.53m Core size: NQ
Angle: -42°43' Length: 60.98m Core Storage: On property

Commenced: 17/02/88
Completed: 19/02/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-6.10 m (0.0-20.0 ft)	*Casing.*					
6.10-8.41 (20.0-27.6)	*Fine- to medium-grained diorite, moderate argillic to locally strong epidote alteration; occasional calcite or epidote veinlet or pink feldspar on hairline fractures; fracture zone with clay from 7.93-8.15 m; shearing in diorite at ∿70° contact.*	*0*	*0*	*5*	*25*	*0*
8.41-12.65 (27.6-41.5)	*Pinkish brown to light green garnet-diopside skarn. Banding parallel to 70° contact. 9.70 m - foliation or banding at 45°; fracture zones from 9.20-9.45 m and 11.59-12.20 m. 53% core recovery over interval.*	*<5?*	*45*	*5*	*45*	*0*
12.65-13.87 (41.5-45.5)	*Light grey limestone, irregular patches of garnet and wollastonite. Locally vuggy.*	*20*	*15*	*60*	*5*	*0*
13.87-18.32 (45.5-60.1)	*Wollastonite, white fine to coarsely crystalline, locally streaked with light brown garnet, pinkish toward bottom where diopside is also present. 15.24 m - foliation at 50°. 17.68 m - foliation at 40°.*	*80*	*15*	*<5*	*5*	*0*
18.32-19.66 (60.1-64.5)	*Light green fine diopside, light brown garnetite, light tan powdery matrix in fractured garnetite may have wollastonite.*	*10?*	*45*	*0*	*45*	*0*
19.66-20.12 (64.5-66.0)	*Wollastonite with garnet.*	*90*	*10*	*0*	*0*	*0*
20.12-21.28 (66.0-69.8)	*Garnet, diopside, minor wollastonite.*	*10*	*80*	*0*	*10*	*0*

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
21.28-23.20 m (69.8-76.1 ft)	Wollastonite, minor garnet, diopside.	90	5	0	5	0
23.20-23.72 (76.1-77.8)	Blue-grey limestone with wollastonite + garnet.	40	10	50	0	0
23.72-24.66 (77.8-80.9)	Wollastonite, minor garnet + diopside.	85	10	0	5	0
24.66-25.06 (80.9-82.2)	Diopside, garnet, minor wollastonite; could be strongly altered dyke.	10	30	0	60	0
25.06-27.65 (82.2-90.7)	Wollastonite with local grey limestone; minor garnet + diopside.	80	5	10	5	0
27.65-28.75 (90.7-94.3)	Greenish diopside and epidote? Minor limestone, garnet + wollastonite.	5	20	15	60	0
28.75-31.31 (94.3-102.7)	Coarse white wollastonite, streaks of grey limestone, lesser garnet + diopside.	85	<5	10	5	0
31.31-43.57 (102.7-142.9)	Grey medium to coarsely crystalline limestone. Local diopside, wollastonite, garnet augens; at 32.01 m, banding at 70°. Locally vuggy.	10	<5	85	<5	0
43.57-47.04 (142.9-154.3)	Dark brown garnetite and two sections <0.2 m of grey limestone. Garnetite is locally vuggy and partially filled with drusy calcite. Fracture zone 45.12-45.32 m.	<5	80	15	<5	0
47.04-49.60 (154.3-162.7)	Light green mottled epidote-diopside, lesser garnet. Siliceous dense. Blebs of pyrite and minor chalcopyrite at 47.16 m.	<5	50	0	50	0
49.60-52.04 (162.7-170.7)	Massive granular fine-grained epidote, lesser sections of brown garnetite, minor limestone and calcite veinlets. Limestone inclusion has sharp contact.	0	30	5	65	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
52.04-55.37 (170.7-181.6)	*Grey medium crystalline (crystals to 3 mm) limestone upper contact at 55°. Locally vuggy. Lower contact irregular at 20°. Traces pyrite at 53.72 m.*	*<5*	*0*	*90*	*5*	*0*
55.37-60.98 (181.6-200.0)	*Brown garnetite breccia with white calc-silicate matrix grading downward into diopside epidote garnet skarn showing banding or foliation 35° at 58.54 m. Local vuggy silicified limestone.*	*<5*	*35*	*5*	*45*	*10*
60.98 (200.0)	*End of hole.*					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-2
Location: 10,016.80N, 10,014.93W
Azimuth (mine grid) 266°10' Elevation (mine datum): 998.46 m Core size: NQ
Angle: -46°50' Length: 74.70 m Core Storage: On property

Commenced: 20/02/88
Completed: 23/02/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-4.27 m (0.0-14.0 ft)	*Casing.*					
4.27-4.42 (14.0-14.5)	*Intense quartz epidote altered intrusive(?).*	*0*	*0*	*0*	*20*	*10*
4.42-5.58 (14.5-18.3)	*Strong propylitic (chlorite-epidote) altered fine-grained diorite or andesite.*	*0*	*0*	*0*	*20*	*0*
5.58-6.25 (18.3-20.5)	*Bleached intrusive(?), intense epidote with numerous quartz stringers. Lower contact at 62°.*	*0*	*0*	*0*	*20*	*0*
6.25-10.06 (20.5-33.0)	*Dark fine-grained diorite, local propylitic alteration.*	*0*	*0*	*0*	*20*	*0*
10.06-11.59 (33.0-38.0)	*Strong argillic altered diorite, abundant epidote and garnet(?); 5% fine pyrite.*	*0*	*25*	*0*	*25*	*0*
11.59-12.80 (38.0-42.0)	*Fault zone, sheared diorite(?), abundant clay, smeared black pyrite(?). Poor recovery.*	*0*	*0*	*0*	*0*	*0*
12.80-13.32 (42.0-43.7)	*Silicified pyritic diorite, gneissic foliation at 50°; 5-10% pyrite.*	*0*	*0*	*0*	*0*	*20*
13.32-14.63 (43.7-48.0)	*Fault zone, poor recovery as previous fault zone.*	*0*	*0*	*0*	*0*	*0*
14.63-17.47 (48.0-57.3)	*Strong argillic and abundant epidote altered diorite. Also with hairline quartz stringers.*	*0*	*0*	*0*	*0*	*10*
17.47-19.36 (57.3-63.5)	*Dark fine-grained diorite, pyrite increases to 10% near bottom.*	*0*	*0*	*0*	*0*	*0*

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
19.36-23.48 m (63.5-77.0 ft)	Variable zones of strong fine-grained garnet and epidote or fine-grained diorite.	0	20	0	20	0
23.48-28.66 (77.0-94.0)	Brown broken garnetite, lesser epidote diopside.	0	75	0	15	0
28.66-31.55 (94.0-103.5)	Mixed epidote-diopside with garnet locally brecciated, local clay alteration, altered diorite(?).	0	50	0	50	0
31.55-32.87 (103.5-107.8)	Andesite dyke unaltered. Upper contact 40°, lower contact 60°.	0	0	0	0	0
32.87-47.87 (107.8-157.0)	Fractured brown garnetite, lesser epidote and diopside. Poor recovery 37%.	0	70	0	30	0
47.87-51.46 (157.0-168.8)	Grey-green limestone and brown garnet, locally mixed and brecciated with patchy white wollastonite.	15	30	50	5	0
51.46-53.84 (168.8-176.6)	Light blue-grey limestone, white augens of wollastonite, lesser diopside, garnet.	30	20	40	10	0
53.84-62.62 (176.6-205.4)	Grey limestone, minor garnet, wollastonite. 56.25 m - 0.15m andesite dyke 45°. 56.71 m - 40° dark bands in limestone. 58.38-58.99 m - white limestone may have 10-20% very fine wollastonite. 59.60 m - 50° dark banding.	5	5	90	0	0
62.62-63.57 (205.4-208.5)	Silicified limestone with garnet + epidote.	5	30	0	30	35
63.57-67.52 (208.5-221.8)	Grey limestone with local garnet + wollastonite augens. Some vugs are lined with white fine granular wollastonite easily powdered to sugarlike grains.	15	15	70	0	0
67.52-72.23 (221.8-236.9)	Grey limestone.	<5	<5	90	0	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
72.23-72.84 m (236.9-238.9 ft)	*Wollastonite, garnet breccia.*	*75*	*20*	*5*	*0*	*0*
72.84-73.14 (238.9-239.9)	*Epidote garnet skarn.*	*5*	*50*	*0*	*45*	*0*
73.14-74.70 (239.9-245.0)	*Dark andesite or basalt dyke. Contact at 50°.*	*0*	*0*	*0*	*0*	*0*
74.70 (245.0)	*End of hole.*					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-3
Location: 10,054.89N, 10,048.25W
Azimuth (mine grid): 271°35' Elevation (mine datum): 1008.45 m Core size: NQ
Angle: -42°57' Length: 64.33 m Core Storage: On property

Commenced: 24/02/88
Completed: 26/02/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-2.44 m (0.0-8.0 ft)	Casing.					
2.44-7.13 (8.0-23.4)	Light brown and light green garnet diopside skarn, much is broken, some is shattered and rehealed.	0	50	0	50	0
7.13-16.19 (23.4-53.1)	Brown and green banded calc-silicate, abundant limestone layers. Banding at 0-20° to core axis. Local diopside and garnet concentrations up to 0.2 m.	5	30	40	25	0
16.19-22.01 (53.1-72.2)	Brown garnet with coarse white wollastonite in blue-grey limestone.	50	20	30	0	0
22.01-25.00 (72.2-82.0)	White wollastonite, some diopside.	85	5	0	10	0
25.00-26.13 (82.0-85.7)	Epidote, grey limestone, garnet, wollastonite and 0.03 m andesite.	30	10	30	30	0
26.13-27.04 (85.7-88.7)	Andesite dyke, weak epidote, lower contact at 50°.	0	0	0	0	0
27.04-38.87 (88.7-127.5)	Grey limestone with augens of wollastonite + garnet. 83.05 m - banding at 55°. Local limestone breccia.	5	5	90	0	0
38.87-39.33 (127.5-129.0)	Grey limestone breccia with white wollastonite + lesser garnet.	50	10	40	0	0
39.33-50.67 (129.0-166.2)	Grey limestone, occasional white wollastonite patch up to 0.15 m.	10	<5	85	0	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
50.67-53.48 m (166.2-175.4 ft)	Same as previous interval; more wollastonite + garnet.	15	5	80	0	0
53.48-54.24 (175.4-177.9)	Massive black garnetite, pyrite near upper contact at 60°, lower contact at 15°.	<5	95	0	0	0
54.24-56.83 (177.9-186.4)	Grey limestone with minor patchy wollastonite, garnet; several andesite dykes <0.04 m. Garnet-wollastonite clasts or augens (increase toward bottom).	10	10	80	0	0
56.83-59.48 (186.4-195.1)	Brown garnetite, generally mixed with 20-30% wollastonite; several wollastonite sections up to 0.06 m. 58.29 m - 0.04 m andesite dyke at 65°.	30	70	0	0	0
59.48-59.57 (195.1-195.4)	Andesite dyke, contacts at 50°.	0	0	0	0	0
59.57-60.12 (195.4-197.2)	Garnetite with grey quartz breccia fragments, also spotty	5	65	0	10	20
60.12-64.33 (197.2-211.0)	Brown garnetite with locally up to 0.2 m of 75% wollastonite. Also, more grey quartz breccia fragments. Hole ends in solid grey quartz at 30° with 0.01 m tan wollastonite selvedge.	25	55	0	10	10
64.33 (211.0)	End of hole.					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-4
Location: 10,024.04N, 10,037.11W
Azimuth (mine grid): 285°32' Elevation (mine datum): 1009.75m Core size: NQ
Angle: -41°06' Length: 62.50m Core Storage: On property

Commenced: 27/02/88
Completed: 29/02/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-1.52 m (0.0-5.0 ft)	*Casing.*					
1.52-16.59 (5.0-54.4)	*19% recovery; soft porous broken light tan to white to light green rock with abundant powdery secondary calcite. Most rock is very fine-grained, no visible wollastonite fibres. Probably mostly pink + green garnet diopside skarn. 8.84 m - banding at 45° to core axis.*	*5-10?*	*30*	*30*	*30*	*0*
16.59-18.14 (54.4-59.5)	*Light green, fine-grained diopside-epidote skarn. 16.92 m - small shear 0° plane 0° dip of slicks on plane.*	*0*	*5*	*0*	*60*	*30*
18.14-18.41 (59.5-60.4)	*Tan to light brown banded, grey limestone with brown to tan wollastonite-garnet. 18.32 m - banding at 60°.*	*40*	*40*	*20*	*0*	*0*
18.41-18.75 (60.4-61.5)	*Brown garnet skarn with wollastonite; minor blue-grey limestone.*	*30*	*50*	*20*	*0*	*0*
18.75-20.00 (61.5-65.6)	*White wollastonite, minor brown garnet.*	*95*	*<5*	*0*	*0*	*0*
20.00-21.62 (65.6-70.9)	*Minor light blue limestone in wollastonite + garnet.*	*65*	*20*	*15*	*0*	*0*
21.62-21.95 (70.9-72.0)	*Light green soft porous argillic altered dyke(?) with 10% epidote; homogenous green material is 0.15 m and 0.03 m wide, irregular with skarn between.*	*25*	*20*	*5*	*10*	*0*
21.95-22.56 (72.0-74.0)	*Similar green dyke(?) for 0.05 m at bottom.*	*90*	*5*	*0*	*0*	*0*

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
22.56-23.48 m (74.0-77.0 ft)	Coarsely crystalline.	95	5	0	0	0
23.48-24.15 (77.0-79.2)	23.48 m - banding at 35°.	85	15	0	0	0
24.15-26.43 (79.2-86.7)	Brownish garnetite grading downward into greenish garnetite with diopside(?).	0	50	40	10	0
26.43-27.13 (86.7-89.0)	Green andesite dyke, upper contact at 90°.	0	0	0	0	0
27.13-27.23 (89.0-89.3)	Green fine-grained calc-silicate (possibly inclusion in dyke).	0	40	60	0	0
27.23-27.44 (89.3-90.0)	Green andesite dyke, lower contact at 90°.	0	0	0	0	0
27.44-28.29 (90.0-92.8)	Green to brown calc-silicate.	0	40	60	0	0
28.29-29.82 (92.8-97.8)	Wollastonite, coarse crystalline, occasional zone <0.1 m wide of green dyke and associated garnet/diopside. Upper contact is sharp at 60°.	80	15	0	5	0
29.82-31.68 (97.8-103.9)	Mostly light brown to tan limestone. Upper 0.5 m has wollastonite-garnet clasts. Also in lower middle of section.	10	5	85	0	0
31.68-33.63 (103.9-110.3)	Coarse crystalline wollastonite, several sections of blue-grey limestone. Upper wollastonite pod at 45°.	60	10	30	0	0
33.63-35.00 (110.3-114.8)	Blue-grey to green limestone, occasional clast or vein of wollastonite.	10	0	90	0	0
35.00-35.98 (114.8-118.0)	Wollastonite, lesser clasts of blue-green limestone.	50	10	40	0	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
35.98-40.24 (118.0-132.0)	Greenish-grey limestone, clasts of brown garnet with wollastonite rims; also mixed white fine wollastonite within limestone.	25	15	60	0	0
40.24-41.46 (132.0-136.0)	Dark green andesite dyke, weak fine feldspar phenocrysts. Fragmentation of limestone at contact. Lower contact ∿30°, very sharp.	0	0	0	0	0
41.46-43.60 (136.0-143.0)	Tan to greenish-grey limestone. Occasional garnetite pod to 0.1 m, wollastonite patch to 0.06 m. 43.41-43.54 m - andesite dyke at 40°.	10	10	80	0	0
43.60-44.06 (143.0-144.5)	Strong alteration including fine quartz crystals, calcite, garnet and wollastonite(?) adjacent to 0.09 m andesite wedge(?).	<5	10	20	10	20
44.06-44.82 (144.5-147.0)	Grey-green limestone, minor calc-silicate.	<5	10	85	0	0
44.82-45.43 (147.0-149.0)	Numerous irregular wollastonite (finely crystalline) in limestone.	50	5	45	0	0
45.43-57.35 (149.0-188.1)	Greenish-grey limestone, minor patches ± garnet ± wollastonite to 0.04; no section of 0.5 m with over 5% wollastonite or 5% garnet. 46.04 m - 0.03 m andesite dyke at 32°. 50.61 m - 0.01 m andesite dyke at 45°. 57.20 m - bedding? (dark banding is limestone at 70°). Limestone below 52.74 m is slightly darker.	<5	<5	95	0	0
57.35-59.70 (188.1-195.8)	Finely crystalline wollastonite, upper contact with limestone at 50°. Fine granular white. Occasional black hairline pyrite stringer. Up to 0.10 m coarse light blue limestone pods near bottom.	85	5	10	0	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
59.70-60.88 (195.8-199.7)	*Mix of dark, fine-grained limestone and white fine wollastonite and lesser fine brown garnet.*	*50*	*20*	*30*	*0*	*0*
60.88-62.50 (199.7-205.0)	*Very dark brown massive garnet. Occasional coarse blue-grey limestone patch; upper contact at ~55°.*	*<5*	*90*	*5*	*0*	*0*
62.50 (205.0)	*End of hole.*					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-5
Location: 9,995.81N, 10,037.01W
Azimuth (mine grid): 283°53' Elevation (mine datum): 1009.68 m Core size: NQ
Angle: -40°29' Length: 70.43 m Core Storage: On property

Commenced: 01/03/88
Completed: 03/03/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-1.52 m (0.0-5.0 ft)	*Casing.*					
1.52-3.05 (5.0-10.0)	*Diorite, medium-grained, strong propylitic alteration.*	*0*	*0*	*0*	*0*	*0*
3.05-7.93 (10.0-26.0)	*Garnetite, mostly brown granular, some greenish with diopside + epidote.*	*0*	*75*	*0*	*25*	*0*
7.93-8.90 (26.0-29.2)	*Andesite dyke, fine feldspar phenocrysts.*	*0*	*0*	*0*	*0*	*0*
8.90-10.52 (29.2-34.5)	*Pink + green garnet, diopside, epidote skarn. 10.06 m - strong banding (foliation-bedding) at 35°.*	*0*	*50*	*0*	*50*	*0*
10.52-11.28 (34.5-37.0)	*Hornfels, dark with 5% disseminated and patchy pyrite, <1% chalcopyrite, probably mixed with some diorite.*	*0*	*0*	*0*	*0*	*0*
11.28-12.35 (37.0-40.5)	*Garnetite and diopside epidote skarn.*	*0*	*50*	*0*	*50*	*0*
12.35-13.72 (40.5-45.0)	*Brown garnet.*	*0*	*90*	*0*	*10*	*0*
13.72-17.38 (45.0-57.0)	*Brown garnet, diopside and epidote skarn.*	*0*	*50*	*0*	*50*	*0*
17.38-19.66 (57.0-64.5)	*Brown garnet.*	*0*	*90*	*0*	*10*	*0*

Hole 88-5 (cont.)

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
19.66-23.48 (64.5-77.0)	Mixed garnet diopside and epidote. 20.12 m - banding at 40°. 21.65 m - banding at 60°. 23.02 m - banding at 60°.	0	50	0	30	20
23.48-24.51 (77.0-80.4)	Green andesite dyke, with calcite veinlets; lower contact at 55°.	0	0	0	0	0
24.51-29.57 (80.4-97.0)	Mostly brown garnet, minor diopside. 28.81-29.12 m - mixed with blue-green coarse limestone.	0	85	5	10	0
29.57-35.58 (97.0-116.7)	Mostly garnet, lesser diopside and calc-silicate; also subangular breccia clast of garnet in calc-silicate with wollastonite-bearing matrix; 2% pyrite, trace sphalerite, local blue-green limestone.	5	50	20	25	0
35.58-36.13 (116.7-118.5)	Mostly epidote, lesser diopside, minor garnet and limestone.	5	10	20	65	0
36.13-37.71 (118.5-123.7)	Mostly wollastonite with some remnant banded calc-silicate.	70	10	20	0	0
37.71-40.34 (123.7-132.3)	Green diopside garnet calc-silicate; 70% diopside, fine-grained, light green.	0	10	20	70	0
40.34-45.37 (132.3-148.8)	Grey limestone with occasional subangular clast of garnet-wollastonite; also occasional veinlet + patch of white wollastonite to 0.07 m.	10	10	75	5	0
45.37-47.62 (148.8-156.2)	Mixed wollastonite ± garnet with grey limestone; upper contact ∿75°.	50	15	30	5	0
47.62-49.09 (156.2-161.0)	Mostly grey limestone with minor wollastonite ± garnet clasts.	<5	5	90	0	0
49.09-49.21 (161.0-161.4)	White granular fine-grained wollastonite, contacts at 90°.	90	5	0	5	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
49.21-55.03 m (161.4-180.5 ft)	Grey limestone, minor garnet and wollastonite; limestone is light grey, fine- to medium-grained, equigranular.	<5	<5	90	0	0
55.03-55.18 (180.5-181.0)	Green aphanitic andesite dyke, 0.25 cm chill margin, upper contact at 35°.	0	0	0	0	0
55.18-60.06 (181.0-197.0)	Grey limestone.	<5	<5	90	0	0
60.06-62.20 (197.0-204.0)	Grey limestone, patchy white wollastonite, lesser garnet.	10	5	85	0	0
62.20-68.48 (204.0-224.6)	Grey limestone, darker than previous, trace garnet, wollastonite.	<5	<5	95	0	0
68.48-69.66 (224.6-228.5)	Grey limestone with patchy fine-grained wollastonite to 0.07 m ± garnet.	5	<5	90	0	0
69.66-69.97 (228.5-229.5)	Brown garnet with wollastonite.	50	50	0	0	0
69.97-70.43 (229.5-231.0)	Medium-grained diorite, weak to moderate prophylitic alteration.	0	0	0	0	0
70.43 (231.0)	End of hole.					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-6
Location: 9,964.58N, 10,060.47W
Azimuth (mine grid): 320°28' Elevation (mine datum): 1023.44 m Core size: NQ
Angle: -40°51' Length: 76.52 m Core Storage: On property

Commenced: 03/03/88
Completed: 08/03/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-1.52 m (0.0-5.0 ft)	*Casing.*					
1.52-6.65 (5.0-21.8)	*Andesite dyke, dark green non-porphyritic.*	*0*	*0*	*0*	*0*	*0*
6.65-8.02 (21.8-26.3)	*Mixed siliceous metasediments, andesite dyke and silicified and epidotized diorite, 1% pyrite.*	*0*	*15*	*0*	*20*	*40*
8.02-9.24 (26.3-30.3)	*Strong propylitic altered diorite, weak argillic alteration of feldspar.*	*0*	*0*	*0*	*0*	*0*
9.24-12.50 (30.3-41.0)	*Banded light brown very finely crystalline wollastonite with garnet, interbedded grey siliceous (quartz) beds in upper 0.5 m and lower 0.5 m, grey limestone interbeds in central part; irregular 2 cm andesite at 10.27 m. Upper contact at 45°. 9.51 m - bedding at 57°. 12.26 m - bedding at 50°. Lower contact at 55°.*	*70*	*15*	*10*	*0*	*5*
12.50-13.54 (41.0-44.4)	*Medium-grained diorite.*	*0*	*0*	*0*	*0*	*0*
13.54-15.00 (44.4-49.2)	*Green, fine-grained andesite; upper and lower contacts at 30°.*	*0*	*0*	*0*	*0*	*0*
15.00-16.04 (49.2-52.6)	*Grey to brown limestone.*	*<5*	*15*	*80*	*0*	*0*
16.04-17.68 (52.6-58.0)	*Breccia, andesite, porphyritic andesite skarn clasts with garnet epidote quartz wollastonite(?); contacts irregular ∿45°.*	*<5*	*10*	*0*	*20*	*20*

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
17.68-18.26 m (58.0-59.9 ft)	Light tan to greenish tan limestone with white wollastonite.	60	<5	25	0	0
18.26-18.96 (59.9-62.2)	Greenish limestone with irregular garnet and wollastonite.	20	15	65	0	0
18.96-23.32 (62.2-76.5)	Grey-green limestone with numerous intersections and clasts of wollastonite up to 0.4 m wide. Interval has 50% clasts (>1 cm wide) of 95% wollastonite; remainder is limestone with 5% to 30% "invisible" wollastonite. Bedding 50° at 21.95 m.	65	5	30	<5	0
23.32-25.98 (76.5-85.2)	Brown garnet and banded fine-grained calc-silicate; bedding = 35° at 24.85 m.	5	60	10	15	10
25.98-28.96 (85.2-95.0)	Green andesite dyke, upper contact at 35°.	0	0	0	0	0
28.96-32.68 (95.0-107.2)	Calc-silicate and garnet skarn.	5	60	5	30	0
32.68-33.29 (107.2-109.2)	Grey-green limestone with wollastonite; 45° bedding at 32.93 m.	40	10	50	0	0
33.29-39.33 (109.2-129.0)	Brown to dark brown garnetite. At 34.35 m andesite dyke at 25°. Garnetite is mixed brown and honey coloured below 37.50 m and banded with minor calc-silicate. At 38.11 m banding is at 45°.	<5	80	5	10	0
39.33-47.01 (129.0-154.2)	Green andesite dykes, strong epidote increases with depth. Below 44.51 m andesite has numerous veinlets of calc-silicate with garnet. Lower contact at 25°.	0	0	0	0	0
47.01-48.20 (154.2-158.1)	Mostly vuggy white quartz, broken, some secondary calcite, possibly fault zone.	<5	<5	5	10	75

Hole 88-6 (cont.)

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
48.20-49.79 m (158.1-163.3 ft)	*Massive white coarse wollastonite and greenish limestone; also some large calcite crystals.*	*65*	*5*	*25*	*5*	*0*
49.79-66.52 (163.3-218.2)	*Andesite dykes, green, fine-grained, 5 cm limestone inclusion at 60.06 m; lower contact at 30°.*	*0*	*0*	*5*	*0*	*0*
66.52-66.98 (218.2-219.7)	*Grey medium-grained limestone.*	*15*	*<5*	*80*	*0*	*0*
66.98-67.41 (219.7-221.1)	*Andesite dyke.*	*0*	*0*	*0*	*0*	*0*
67.41-68.29 (222.1-224.0)	*Grey medium-grained limestone; lower contact at ∿15°.*	*10*	*0*	*90*	*0*	*0*
68.29-76.52 (224.0-251.0)	*Andesite dykes, at least three slightly different compositions, patchy weak epidote alteration and weak bleaching.*	*0*	*0*	*0*	*5*	*0*
76.52 (251.0)	*End of hole.*					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-7
Location: 10,098.14N, 10,050.67W
Azimuth (mine grid): 269°45' Elevation (mine datum): 1000.59m Core size: NQ
Angle: -45°28' Length: 38.41 m Core Storage: On property

Commenced: 09/03/88
Completed: 14/03/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-2.13 m (0.0-7.0 ft)	*Casing.*					
2.13-6.40 (7.0-21.0)	*Dark medium-grained diorite.*	*0*	*0*	*0*	*0*	*0*
6.40-8.54 (21.0-28.0)	*Greenish to light brown fine-grained skarn and limestone, soft crumbly, poor recovery 6.40-7.62 m.*	*40*	*15*	*30*	*5*	*0*
8.54-14.51 (28.0-47.6)	*Brown wollastonite + garnet mix, 0.11 m green andesite dyke at 9.57 m; minor greenish-grey limestone less than 4 cm maximum.*	*70*	*20*	*<5*	*<5*	*0*
14.51-15.46 (47.6-50.7)	*Same as above, slightly more limestone.*	*60*	*10*	*25*	*<5*	*0*
15.46-18.48 (50.7-60.6)	*Mostly white to tan wollastonite, lesser garnet, minor diopside.*	*80*	*10*	*5*	*5*	*0*
18.48-19.73 (60.6-64.7)	*Similar but more limestone and diopside.*	*60*	*5*	*25*	*10*	*0*
19.73-20.88 (64.7-68.5)	*Grey quartz with lesser zones of wollastonite + garnet.*	*30*	*10*	*0*	*0*	*60*
20.88-24.39 (68.5-80.0)	*Mostly grey-green limestone, wollastonite decreases and garnet increases with depth.*	*15*	*20*	*60*	*0*	*<5*
24.39-31.71 (80.0-104.0)	*Dark brown garnetite.*	*<5*	*75*	*0*	*15*	*5*

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
31.71-37.13 m (104.0-121.8 ft)	*Green to tan diopside and brown garnetite.*	*<5*	*60*	*0*	*40*	*0*
37.13-38.41 (121.8-126.0)	*Grey limestone, numerous irregular garnet ± wollastonite patches, bedding at 55°.*	*10*	*10*	*80*	*0*	*0*
38.41 (126.0)	*End of hole.*					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-8(A)
Location: 10,167.94N, 10,058.65W
Azimuth (mine grid): 274°55' Elevation (mine datum): 1006.41 m Core size: NQ
Angle: -60°00' Length: 12.20 m Core Storage: On property

Commenced: 15/03/88
Completed: 15/03/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-3.66 m (0.0-12.0 ft)	*Casing.*					
3.66-4.88 (12.0-16.0)	*Diorite.*					
4.88-6.62 (16.0-21.7)	*Soft, light green to white powdery wollastonite (?) + diopside (?), weathered.*	*70*	*0*	*0*	*20*	*0*
6.62-6.74 (21.7-22.1)	*Andesite dyke at 20°.*	*0*	*0*	*0*	*0*	*0*
6.74-7.65 (22.1-25.1)	*Breccia, subangular clasts of wollastonite and diopside and andesite, soft aphanitic groundmass.*	*40*	*10*	*0*	*30*	*0*
7.65-10.55 (35.1-34.6)	*Bedded white to light brown wollastonite and garnet. Beds 25° at 9.76 m.*	*60*	*40*	*0*	*0*	*0*
10.55-12.20 (34.6-40.0)	*Grey quartz + epidote with wollastonite + garnet.*	*40*	*10*	*0*	*10*	*40*
12.20 (40.0)	*End of hole.*					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-8(B)
Location: 10,167.94N, 10,059.65W
Azimuth (mine grid): 274°55' Elevation (mine datum): 1006.41 m Core size: NQ
Angle: -40°38' Length: 63.72 m Core Storage: On property

Commenced: 16/03/88
Completed: 18/03/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-3.96 m (0.0-13.0 ft)	*Overburden and casing.*					
3.96-9.76 (13.0-32.0)	*Banded tan to brown wollastonite + garnet, several zones of diopside-epidote and quartz.*	*50*	*25*	*0*	*15*	*10*
9.76-11.68 (32.0-38.3)	*Tan to brown wollastonite + garnet and several silicified zones.*	*65*	*10*	*0*	*0*	*25*
11.68-12.35 (38.3-40.5)	*Grey quartz, epidote; banding at 45°.*	*<5*	*<5*	*0*	*20*	*75*
12.35-14.85 (40.5-48.7)	*Tan to brown wollastonite + garnet, several tan to grey siliceous zones.*	*75*	*5*	*0*	*0*	*20*
14.85-17.01 (48.7-55.8)	*Grey limestone.* *14.88 m - 2 cm pyrite vein at 60°, occasional patch of garnet with wollastonite.*	*5*	*5*	*90*	*0*	*0*
17.01-18.51 (55.8-60.7)	*Brown garnet, lesser quartz and diopside, minor limestone.*	*<5*	*70*	*10*	*10*	*5*
18.51-20.06 (60.7-65.8)	*Grey limestone, several inclusions of diorite (black + white weakly gneissic).*	*<5*	*<5*	*50*	*10*	*10*
20.06-22.87 (65.8-75.0)	*Dark brown garnet.*	*<5*	*90*	*0*	*5*	*0*
22.87-28.05 (75.0-92.0)	*Mixed brown garnet, grey limestone, diopside and wollastonite.* *26.52 m - 45° banding.*	*20*	*20*	*50*	*10*	*<5*

Hole 88-8(B) (cont.)

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
28.05-29.02 m (92.0-95.5 ft)	Brown garnetite.	0	80	0	20	0
29.02-29.57 (95.5-97.0)	Garnet and lesser limestone.	25	50	25	0	0
29.57-30.18 (97.0-99.0)	Grey limestone.	10	5	80	5	0
30.18-30.91 (99.0-101.4)	Tan to brown garnet-wollastonite mixed with lesser grey limestone and diopside.	50	20	10	10	0
30.91-33.17 (101.4-108.8)	Grey limestone, several black + white gneissic diorite layers. 31.40 m - banding at 35°.	5	0	80	0	0
33.17-36.80 (108.8-120.7)	Three gneissic fine-grained diorite layers between 0.25 and 0.50 m wide within bedded grey limestone. 35.57 m - beds at 50°.	<5	0	40	20	0
36.80-45.34 (120.7-148.7)	Brown garnetite.	<5	90	0	5	0
45.34-55.00 (148.7-180.5)	Grey limestone, occasionally shows bedding between 45-55° (section in Box 8 is homogeneous, darker than limestone in DDH #3 which was sampled for whole rock analysis.	5	<5	85	<5	0
55.00-57.07 (180.5-187.2)	Black garnetite.	0	95	0	<5	0
57.07-61.89 (187.2-203.0)	Blue-grey limestone, irregular wollastonite + garnet.	25	10	65	0	0
61.89-63.72 (203.0-209.0)	Diorite, dark, fine-grained, 1-3% disseminated pyrite.	0	0	0	0	0
63.72 (209.0)	End of hole.					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-9
Location: 10,052.73N, 10,081.58W
Azimuth (mine grid): 227°14' Elevation (mine datum): 1037.40m Core size: NQ
Angle: -43°12' Length: 67.38 m Core Storage: On property

Commenced: 19/03/88
Completed: 21/03/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-1.52 m (0.0-5.0 ft)	Casing.					
1.52-8.75 (5.0-28.7)	Grey medium-grained crystalline limestone, occasional patch of white wollastonite; veins and patches of coarse calcite. At 3.35 m, bedding at 20°.	10	<5	90	0	0
8.75-9.97 (28.7-32.7)	Similar limestone, increased wollastonite.	25	<2	75	0	0
9.97-15.85 (32.7-52.0)	Wollastonite and garnet in lesser amounts of grey limestone. Several brecciated limestone zones.	45	20	35	0	0
15.85-20.67 (52.0-67.8)	Wollastonite + garnet in limestone; several andesite dykes to 0.25 m at ∿50° which are 10% of total interval.	60	10	20	0	0
20.67-23.57 (67.8-77.3)	Andesite dyke, contacts with alteration bleaching garnet + epidote; upper contact ∿50°, lower contact ∿60°.	0	0	0	0	0
23.57-30.18 (77.3-99.0)	White wollastonite, coarse; very minor garnet; one 5 cm andesite dyke.	95	<5	0	5	0
30.18-35.88 (99.0-117.7)	White wollastonite, light grey limestone, brown and very light greenish white very fine-grained garnet.	55	5	40	0	0
35.88-37.41 (117.7-122.7)	Andesite dyke, contacts at 80°.	0	0	0	0	0
37.41-42.23 (122.7-138.5)	Limestone with wollastonite, minor garnet.	40	<5	55	0	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
42.23-47.71 (138.5-156.5)	Grey limestone with wollastonite.	20	<5	75	0	0
47.71-62.04 (156.5-203.5)	Grey limestone with wollastonite. 54.57 m - 0.11 m andesite dyke at 80°. 57.32 m - 0.13 m andesite dyke at 70°. Limestone is coarser toward bottom.	15	<5	80	0	0
62.04-62.56 (203.5-205.2)	Andesite dyke.	0	0	0	0	0
62.56-62.71 (205.2-205.7)	Limestone, coarse.	5	5	90	0	0
62.71-63.14 (205.7-207.1)	Fine-grained pyroxenite and fine medium grained diorite. Garnet at contacts.	0	0	0	10	0
63.14-67.38 (207.1-221.0)	Brown garnetite, lesser diopside and epidote.	5	60	0	35	0
67.38 (221.0)	End of hole.					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-10
Location: 10,030.56N, 10,077.07W
Azimuth (mine grid):
Angle: -90°
Elevation (mine datum): 1040.87m
Length: 81.40m
Core size: NQ
Core Storage: On property
Commenced: 21/03/88
Completed: 26/03/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-1.22 m (0.0-4.0 ft)	Casing.					
1.22-9.21 (4.0-30.2)	Wollastonite, minor calcite veins, garnet. 3.05 m - banding at 27°; between 8.84 and 9.15 m, diopside garnet breccia.	75	10	10	5	0
9.21-13.26 (30.2-43.5)	Wollastonite, garnet, calcite breccia, large calcite crystal and fine diopside clasts in fine wollastonite matrix; several breccia zones up to 0.5 m wide; within limestone breccia zones are 35-40% wollastonite.	25	5	70	5	0
13.26-20.73 (43.5-68.0)	Numerous pure wollastonite sections, lesser wollastonite garnet breccia, minor limestone sections.	70	10	20	0	0
20.73-25.61 (68.0-84.0)	Mostly calc-silicate breccia similar to previous breccia section, finer calcite perhaps finer wollastonite matrix.	45	10	40	5	0
25.61-28.66 (84.0-94.0)	Fine-grained white wollastonite, minor breccia and calcareous sections.	80	5	15	0	0
28.66-31.71 (94.0-104.0)	Grey-green weakly porphyritic + feldspar andesite, ∿90° upper contact.	0	0	0	5	0
31.71-35.67 (104.0-117.0)	Wollastonite-limestone breccia; broken, poor recovery near contacts.	45	10	45	0	0
35.67-38.35 (117.0-125.8)	Andesite dyke, hornblende; lower contact at 25°.	0	0	0	5	0
38.35-43.29 (125.8-142.0)	Wollastonite locally brecciated with calcareous spots.	70	5	25	0	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
43.29-57.50 (142.0-188.6)	Limestone, light grey medium crystalline.	5	5	90	0	0
57.50-60.24 (188.6-197.6)	Same as above, more wollastonite. 59.42 m - 0.05 m andesite dyke at 30°.	15	10	75	0	0
60.24-64.02 (197.6-210.0)	More wollastonite in limestone.	50	10	40	0	0
64.02-66.92 (210.0-219.5)	Fine-grained grey to white limestone with wollastonite.	15	<5	80	0	0
66.92-67.53 (219.5-221.5)	Wollastonite, white, fine-grained.	95	<5	0	0	0
67.53-76.83 (221.5-252.0)	Grey limestone, pockets (boudins?) of wollastonite ± garnet, local patches of pyrrhotite.	15	<5	80	0	0
76.83-78.35 (252.0-257.0)	Brown mottled garnetite-wollastonite, fine-grained grading downward into coarse segregations.	50	50	0	0	0
78.35-79.48 (257.0-260.7)	Diorite, abundant hornblende.	0	0	0	0	0
79.48-80.49 (260.7-264.0)	Garnet-epidote wollastonite.	25	50	0	25	0
80.49-81.10 (264.0-266.0)	Diorite-garnetite inclusions.	0	0	0	0	0
81.10-81.40 (266.0-267.0)	Epidote-garnet-wollastonite.	25	35	0	40	0
81.40 (267.0)	End of hole.					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-11
Location: 10,002.20N, 10,082.49W
Azimuth (mine grid): 274°52' Elevation (mine datum): 1043.50 m Core size: NQ
Angle: -41°08' Length: 44.21 m Core Storage: On property

Commenced: 26/03/88
Completed: 28/03/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-2.44 m (0.0-8.0 ft)	*Casing to 1.83 m; rubble-pebbles of andesite, and skarn to 2.44 m.*					
2.44-5.06 (8.0-16.6)	*Garnet, wollastonite, coarse calcite, and limestone breccia.*	*50*	*20*	*30*	*0*	*0*
5.06-9.76 (16.6-32.0)	*Fine to coarse wollastonite, lesser garnet, minor limestone.*	*75*	*10*	*15*	*0*	*0*
9.76-11.34 (32.0-37.2)	*White to grey limestone with wollastonite.*	*50*	*5*	*45*	*0*	*0*
11.34-16.01 (37.2-52.5)	*Light grey limestone, lesser wollastonite.*	*15*	*<5*	*80*	*0*	*0*
16.01-16.77 (52.5-55.0)	*Tan fine-grained granular garnet with wollastonite and minor calcite.*	*20*	*70*	*10*	*0*	*0*
16.77-22.35 (55.0-73.3)	*Coarse crystalline limestone to 19.36 m; below is finer grained white with occasional garnet-wollastonite seam or augen.*	*15*	*5*	*80*	*0*	*0*
22.35-23.02 (73.3-75.5)	*Andesite dyke, broken.*	*0*	*0*	*0*	*0*	*0*
23.02-33.90 (75.5-111.2)	*Light grey to white limestone.* *24.73 m - 0.03 m andesite dyke, 20°.* *Estimate <5% wollastonite in matrix of limestone.*	*10*	*<5*	*85*	*0*	*0*
33.90-35.12 (111.2-115.2)	*Andesite dyke contacts at 25°.*	*0*	*0*	*0*	*0*	*0*

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
35.12-37.56 m (115.2-123.2 ft)	*Grey limestone.*	*10*	*<5*	*85*	*0*	*0*
37.56-38.32 (123.2-125.7)	*Andesite dyke contacts at 20°.*	*0*	*0*	*0*	*0*	*0*
38.32-40.09 (125.7-131.5)	*Limestone, narrow andesite, <0.03 m.*	*15*	*<5*	*80*	*0*	*0*
40.09-44.21 (131.5-145.0)	*Andesite dyke, upper contact at 30°.*	*0*	*0*	*0*	*0*	*0*
44.21 (145.0)	*End of hole.*					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-12
Location: 9,802.03N, 10,234.60W
Azimuth (mine grid): 165°23' Elevation (mine datum): 1073.44 m Core size: NQ
Angle: -56°24' Length: 50.91 m Core Storage: On property

Commenced: 29/03/88
Completed: 31/03/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-3.66 m (0.0-12.0 ft)	Casing.					
3.66-9.76 (12.0-32.0)	Grey medium-grained crystalline limestone, lesser white bands at 45-55° to core axis, occasional pyrite patch, trace wollastonite.	<5	<5	90	0	0
9.76-11.13 (32.0-36.5)	Grey limestone with wollastonite.	35	<5	60	0	0
11.13-13.41 (36.5-44.0)	Fine white to coarse wollastonite, several grey very fine-grained siliceous zones.	50	0	25	0	25
13.41-13.96 (44.0-45.8)	Grey very fine-grained quartz with numerous wollastonite stringers.	15	0	0	0	85
13.96-18.60 (45.8-61.0)	Coarse white to light green wollastonite; 1-3% pyrite. Coarse light green to brown garnet, diopside.	60	30	0	10	<5
18.60-33.23 (61.0-109.0)	Fine- to medium-grained banded, schistose, wollastonite; lesser garnet + diopside. Foliation: 37° at 18.90 m; 47° at 23.48 m; 55° at 26.83 m; 60° at 31.10 m. Occasional banding of siliceous metasediment as at 28.35 m.	85	10	0	5	0
33.23-35.18 (109.0-115.9)	Light brown garnet-wollastonite, quartz-feldspar(?) vein with 5-10% pyrite; at 33.84 m, 25°.	25	70	0	0	5

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
35.18-39.33 m (115.4-129.0 ft)	Andesite, bleaching and hornfels alteration down to 36.89 m. Also strong bleaching associated with quartz epidote garnet at 38.11-38.41 m.	0	0	0	0	0
39.33-40.21 (129.0-131.9)	Fine-grained wollastonite, epidote + garnet near margins.	80	10	0	10	0
40.21-44.21 (131.9-145.0)	Numerous zones of andesite or fine-grained diorite with associated bleaching and epidotization and diopside, and several wollastonite-garnet zones; locally 1-3% pyrite; 50% dykes.	10	10	0	30	0
44.21-46.34 (145.0-152.0)	White wollastonite with local coarse brown garnet.	65	35	0	0	0
46.34-48.17 (152.0-158.0)	Fine-grained diorite, epidotization and bleaching at margins.	0	0	0	0	0
48.17-49.02 (158.0-160.8)	Wollastonite-garnet, epidote-diopside skarn, banding trends 40°.	50	15	0	35	0
49.02-49.48 (160.8-162.3)	Diorite with bleaching and epidotization at margins.	0	0	0	0	0
49.48-49.60 (162.3-162.7)	Skarn as above; banding trends 35°.	40	10	0	50	0
49.60-50.91 (162.7-167.0)	Diorite as above, with similar alteration at 49.85-50.00 m and 50.24-50.34 m.	0	0	0	0	0
50.91 (167.0)	End of hole.					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-13
Location: 9,797.88N, 10,267.84W
Azimuth (mine grid): 243°58' Elevation (mine datum): 1075.66 m Core size: NQ
Angle: -42°13' Length: 44.82 m Core Storage: On property

Commenced: 31/03/88
Completed: 02/04/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-2.44 m (0.0-8.0 ft)	*Casing.*					
2.44-6.40 (8.0-21.0)	*Broken rubble, 23% core recovery; fragments: 2.44-3.05 m - siliceous hornfels, pyrite and traces wollastonite. 3.05-3.66 m - andesite. 3.66-3.96 m - oxidized diorite(?). 3.96-6.40 m - mixed garnetite, hornfels, quartz andesite, epidote.*	*5(?)*	*20*	*0*	*20*	*20*
6.40-7.01 (21.0-23.0)	*Light green epidote-diopside, lesser quartz and garnet.*	*0*	*15*	*0*	*65*	*20*
7.01-17.07 (23.0-56.0)	*Fine-grained banded calc-silicate, minor calcareous sections, mostly wollastonite and very fine cherty quartz (quartzite?). 8.99 m - 70° banding; fine disseminated pyrite in siliceous bands. 13.11 m - 62° banding; 16.46 m - 45° banding.*	*35*	*10*	*5*	*10*	*40*
17.07-21.43 (56.0-70.3)	*More limestone, less grey fine silica. 20.73 m - 62° banding.*	*25*	*10*	*35*	*5*	*25*
21.43-22.96 (70.3-75.3)	*Brecciated limestone with abundant drussy quartz lining vugs, pervasive 3% disseminated pyrite.*	*5*	*5*	*40*	*5*	*45*
22.96-25.21 (75.3-82.7)	*Coarse white wollastonite, minor garnet, traces pyrite.*	*95*	*<5*	*0*	*0*	*0*
25.21-28.35 (82.7-93.0)	*Grey siliceous mixed with pinkish tan garnet(?) and white wollastonite, some powdery white carbonate in matrix, traces pyrite.*	*20*	*20*	*10*	*0*	*50*

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
28.35-36.59 m (93.0-120.0 ft)	*Wollastonite, garnet + grey silica with local pyrite. Lower 1.52 m are fine-grained, altered by adjacent fault zone, probably with clay.*	*65*	*30*	*0*	*0*	*<5*
36.59-40.00 (120.0-131.2)	*Fault Zone, abundant white clay(?), black pyrite coated fractures, breccia zones with angular clasts of quartz-pyrite in light grey moderately hard matrix. Shearing trends 25° at 36.59 m and at 38.72 m.*	*5*	*5*	*10*	*5*	*25*
40.00-41.16 (131.2-135.0)	*White limestone, porous, powdery, probably mixed with clay(?).*	*0*	*0*	*95*	*0*	*0*
41.16-44.82 (135.0-147.0)	*Andesite, upper 0.76 m altered with epidote, pyrite and some clay(?) grading downward into dark medium-grained diorite or gabbro which has 3% pyrite, local finer (andesitic? sections).*	*0*	*0*	*0*	*0*	*0*
44.82 (147.0)	*End of hole.*					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-14
Location: 10,021.24N, 10,137.81W
Azimuth (mine grid): 105°38' Elevation (mine datum): 1080.39m Core size: NQ
Angle: -43°25' Length: 60.98m Core Storage: On property

Commenced: 03/04/88
Completed: 08/04/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-1.83m (0.0-6.0 ft)	*Casing.*					
1.83-7.93 (6.0-26.0)	*Grey fine-grained limestone with dark brown garnet, lesser white wollastonite.*	*10*	*25*	*60*	*5*	*0*
7.93-12.68 (26.0-41.6)	*Mostly brown garnetite, lesser tan to greenish tan diopside(?).*	*<5*	*75*	*0*	*20*	*0*
12.68-13.72 (41.6-45.0)	*Grey limestone with dark brown garnetite patches.*	*<5*	*30*	*65*	*<5*	*0*
13.72-14.24 (45.0-46.7)	*Andesite dyke, sharp contacts - upper 30°, lower 50°.*	*0*	*0*	*0*	*0*	*0*
14.24-16.16 (46.7-53.0)	*Garnetite and epidote-diopside.*	*<5*	*65*	*<5*	*30*	*0*
16.16-16.68 (53.0-54.7)	*Wollastonite, white, fine; lower contact at 40°.*	*95*	*0*	*0*	*0*	*<5*
16.68-21.58 (54.7-70.8)	*Grey cherty quartz with occasional white wollastonite vein or patch.*	*15*	*0*	*0*	*0*	*85*
21.58-22.96 (70.8-75.3)	*Andesite dykes at 20°, minor quartz between dykes.*	*0*	*0*	*0*	*0*	*10*
22.96-26.80 (75.3-87.9)	*Medium-grained wollastonite, white, pure, with several shatter breccia zones of grey-tan quartz (no rotation) <0.1m wide with pure wollastonite matrix. Most zones oriented at 30°.*	*85*	*0*	*0*	*0*	*15*

Hole 88-14 (cont.)

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
26.80-27.99 m (87.9-91.8 ft)	Mostly quartz and shattered quartz; lesser wollastonite.	35	0	0	0	65
27.99-29.42 (91.8-96.5)	Fine to coarse wollastonite.	95	<5	0	<5	<5
29.42-30.40 (96.5-99.7)	Quartz + wollastonite.	30	0	0	0	70
30.40-31.77 (99.7-104.2)	Wollastonite, garnet in upper 0.15 m; minor quartz.	80	5	0	0	15
31.77-32.38 (104.2-106.2)	Mostly quartz.	10	0	0	0	90
32.38-33.41 (106.2-109.6)	Andesite dyke, epidote altered phenocrysts; upper contact 75°, lower contact 40°.	0	0	0	10	0
33.41-34.51 (109.6-113.2)	Quartz with wollastonite.	25	0	0	0	75
34.51-37.10 (113.2-121.7)	Wollastonite + shattered quartz, limestone on bottom; banding 30° at 35.37; 5° at 36.59 m.	40	0	10	0	50
37.10-37.84 (121.7-124.1)	Andesite dyke, epidote altered selvedge to 0.20 m; contacts ∿40°.	0	0	0	0	0
37.84-41.62 (124.1-136.5)	Grey to tan cherty quartz, fine-grained limestone, lesser wollastonite + garnet.	15	10	35	5	35
41.62-50.91 (136.5-167.0)	Andesite, fresh.	0	0	0	0	0
50.91-52.35 (167.0-176.7)	Garnet diopside, minor wollastonite skarn.	25	40	0	35	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
52.35-60.98 m (171.7-200.0 ft)	*Andesite, weak epidote, minor silicified zones with skarn.*	*<5*	*<5*	*0*	*<5*	*<5*
60.98 (200.0)	*End of hole.*					

DRILL HOLE LOG

TRI-SIL MINERALS INC.

MINERAL HILL CLAIM GROUP - SECHELT, B.C.

Hole No.: 88-15
Location: 9,954.03N, 10,093.23W
Azimuth (mine grid): 328°22' Elevation (mine datum): 1053.05 m Core size: NQ
Angle: -42°08' Length: 103.66 m Core Storage: On property

Commenced: 09/04/88
Completed: 14/04/88
Logged by: Paul Kallock
Drilled by: H. Allen Diamond Drilling Ltd.

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
0.00-1.22 m (0.0-4.0 ft)	Casing.					
1.22-7.90 (4.0-25.9)	Grey medium crystalline limestone; bedding 45° at 3.05 m; 1% disseminated pyrite.	<5	0	95	0	0
7.90-11.98 (25.9-39.3)	Grey limestone, garnet patches; patches of pyrite up to 0.03 m containing 50% FeS_2, patchy wollastonite. 9.76-9.85 m - 30% pyrite, 50% pyrrhotite + green mineral malachite(?) + wollastonite 20%. 10.06-10.21 m - andesite dyke at 25°.	15	10	70	<5	<5
11.98-14.73. (39.3-48.3)	Brown garnetite with limestone, minor wollastonite, 3% pyrite.	10	20	70	0	0
14.73-16.83 (48.3-55.2)	Brown garnetite, lesser concentrations of diopside with pyrite, diopside bands at 20°.	10	55	5	30	0
16.83-18.54 (55.2-60.8)	Limestone, garnet diopside and wollastonite.	10	15	65	10	0
18.54-26.07 (60.8-85.5)	Increased wollastonite, lesser garnet, carcareous sections (>60% calcite), up to 0.5 m within section. Also includes coarse calcite crystals. 3 cm andesite dyke at 25.91 m at 45°.	60	10	35	0	0
26.07-27.99 (85.5-91.8)	Brown garnetite, green diopside in coarse calcite matrix.	5	30	30	35	0
27.99-38.41 (91.8-126.0)	Grey limestone, small patches, garnet, wollastonite. 28.35-28.51 m - andesite dyke at 25°. 28.66 m - 60° banding in limestone.	20	10	70	0	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
38.41-43.60 m (126.0-143.0 ft)	Similar grey limestone, more wollastonite patches.	40	10	50	0	0
43.60-48.23 (143.0-158.2)	Grey limestone as above. 46.04 m - 40° banding.	15	5	80	0	0
48.23-48.63 (158.2-159.5)	Andesite dyke, contacts at 75°.	0	0	0	0	0
48.63-58.23 (159.5-191.0)	Grey limestone.	10	5	85	0	0
58.23-59.45 (191.0-195.0)	Andesite dyke, 0.04 m garnet at upper contact, 0.02 m garnet at lower contact.	0	0	0	0	0
59.45-62.20 (195.0-204.0)	Grey limestone.	15	<5	80	0	0
62.20-66.25 (204.0-217.3)	Andesite dyke, upper contact has trace garnet at 10°, 0.02 m garnet-epidote at 20° lower contact.	0	0	0	0	0
66.25-67.80 (217.3-222.4)	Limestone with wollastonite and garnet patches.	30	10	60	0	0
67.80-69.51 (222.4-228.0)	Andesite, upper contact 20°, lower contact broken (no recovery).	0	0	0	0	0
69.51-73.32 (228.0-240.5)	Grey limestone; at 71.04 m, banding at 25°.	10	5	85	0	0
73.32-75.61 (240.5-248.0)	Andesite dyke; upper and lower contacts at 15°.	0	0	0	0	0
75.61-83.08 (248.0-272.5)	Limestone, locally vuggy.	15	<5	80	0	0

Interval metres (feet)	Description	Percentage (Visual Estimate)				
		Wollastonite	Garnet	Calcite	Epidote-Diopside	Quartz
83.08-83.23m (272.5-273.0 ft)	Diorite, upper contact at 15° with 0.1 m garnet-diopside,	0	0	0	0	0
83.23-84.82 (273.0-278.2)	Skarn-garnet epidote.	5	75	0	20	0
84.82-84.91 (278.2-278.5)	Medium-grained diorite with skarnification at contacts.	0	0	0	0	0
84.91-86.89 (278.5-285.0)	Garnet epidote quartz skarn; 0.05 m pyrite-diopside(?) vein at 85.31 m at 35°; other veinlets bring total pyrite to 10%.	<5	55	0	20	10
86.89-87.26 (285.0-286.2)	Diorite fine-grained equigranular black + white colour, epidote at gradational contacts.	0	0	0	0	0
87.26-89.63 (286.2-294.0)	Garnet, epidote, diopside, quartz skarn.	<5	60	0	25	10
89.63-92.07 (294.0-302.0)	Garnet wollastonite skarn.	45	45	5	5	0
92.07-92.68 (302.0-304.8)	Limestone with garnet + wollastonite.	10	10	80	0	0
92.68-95.43 (304.8-313.0)	Garnetite with wollastonite, also some sections of limestone.	35	35	30	0	0
95.43-97.26 (313.0-319.0)	Banded garnetite, diopside-epidote and wollastonite, fine-grained grey quartz. Alternating green to brown to tan beds 0.25-2.0 cm wide; at 96.95 m beds at 70°.	10	30	0	20	40
97.26-103.66 (319.0-340.0)	Garnetite generally light brown, lesser epidote; 101.52 m, banding at 45°; 102.13-102.35 m, epidote + pyrite (5%); 102.90 m, banding at 50°; 103.26-103.54, diorite with epidote selbedge.	10	40	0	30	20
103.66 (340.0)	End of hole					

WOLLASTONITE IN DIAMOND DRILL HOLES

VISUAL ESTIMATES OF GRADE

Drill Hole No.	Interval (m)	Length (m)	Visual Estimates (Percent)		Wollastonite x Length	Weighted Average Wollastonite (Percent)
			Wollastonite	Garnet		
87-1	9.85-10.06	0.21	90	<5		90
	25.79-27.74	1.95	20	60	0.39	
	27.74-29.57	1.83	25	20	0.4575	
	29.57-31.49	1.92	40	20	0.768	
	31.49-33.69	2.20	15	5	0.33	
	33.69-36.77	3.08	5	90	0.154	
	36.77-38.96	2.19	60	5	1.314	
	38.96-42.80	3.84	15	10	0.576	
	42.80-43.54	0.74	<5	90	0.037	
	43.54-48.05	4.51	35	25	1.5785	
		22.26			5.605 ÷ 22.26 = 0.2518 =	25
	58.38-59.36		80	20		
87-2	19.45-21.04	1.59	50	20	0.795	
	21.04-23.17	2.13	35	20	0.7455	
	23.17-28.05	4.88	45	15	2.196	
		8.60			3.7365 ÷ 8.6 = 0.4345 =	43
87-3	38.87-42.29	3.42	85	5	2.907	
	42.29-43.41	1.12	20	20	0.224	
	43.41-48.32	4.91	60	5	2.946	
	48.32-51.83	3.51	12	5	0.4212	
	51.83-54.66	2.83	75	5	2.1225	
		15.79			8.6207 ÷ 15.79 = 0.5460 =	55
87-4	12.26-24.70	12.44	30	20	3.732	
	24.70-38.26	13.56	25	5	3.39	
		26.00			7.172 ÷ 26.0 = 0.2739 =	27
87-5	11.01-15.34	4.33	30	15		30
87-6	22.41-22.87	0.46	60	18	0.276	
	22.87-27.90	5.03	5	20	0.2515	
	27.90-30.73	2.83	45	25	1.2735	
	30.73-31.43	0.70	5	40	0.035	
	31.43-32.53	1.10	0	0	0	
	32.53-35.61	3.08	35	25	1.078	
		13.20			2.914 ÷ 13.2 = 0.2208 =	22

Visual Estimates (cont.)

Drill Hole No.	Interval (m)	Length (m)	Visual Estimates (Percent)		Wollastonite x Length	Weighted Average Wollastonite (Percent)
			Wollastonite	Garnet		
87-7	22.99-23.38	0.39	70	10	0.273	
	23.38-25.09	1.71	35	10	0.5985	
		2.10			0.8715 ÷ 2.10 = 0.415 = 42	
	31.86-34.09	2.23	45	5		45
	71.86-77.38	5.52	40	25	2.208	
	77.38-80.06	2.68	5	35	0.134	
	80.06-84.54	4.48	0	0	0	
	84.54-92.62	8.08	30	60	2.424	
	92.62-92.80	0.18	0	0	0	
	92.80-94.45	1.65	80	15	1.32	
	94.45-96.01	1.56	0	10	0	
	96.01-101.68	5.67	40	40	2.268	
	101.68-108.54	6.86	20	45	1.372	
	108.54-109.85	1.31	5	60	0.0655	
	109.85-114.02	4.17	45	35	0.8765	
	114.02-116.77	2.75	15	55	0.4125	
	116.77-119.21	2.44	40	30	0.976	
	119.21-119.70	0.49	5	85	0.0245	
	119.70-120.73	1.03	0	0	0	
	120.73-128.35	7.62	5	40	0.381	
	128.35-129.94	1.59	15	35	0.2385	
	129.94-131.62	1.68	5	35	0.084	
	131.62-139.02	7.40	40	25	2.96	
		67.16			16.7445 ÷ 67.16 = 0.2493 = 25	
87-8 Upper (Above Andesite)						
	1.83-3.87	2.04	20	5	0.408	
	3.87-6.10	2.23	70	5	1.561	
	6.10-8.05	1.95	20	<5	0.39	
	8.05-11.52	3.47	40	5	1.388	
		9.69			3.747 ÷ 9.69 = 0.3867 = 39	
Mid (Below Andesite)						
	47.56-48.63	1.07	75	10	0.8025	
	48.63-50.91	2.28	0	0	0	
	50.91-54.27	3.36	65	<5	2.184	
	54.27-56.34	2.07	15	10	0.3105	
	56.34-57.41	1.07	75	10	0.8025	
		9.85			4.0995 ÷ 9.85 = 0.4162 = 42	

Visual Estimates (cont.)

Drill Hole No.	Interval (m)	Length (m)	Visual Estimates (Percent)		Wollastonite x Length	Weighted Average Wollastonite (Percent)
			Wollastonite	Garnet		
88-1	13.87-18.32	4.45	80	15	3.56	
	18.32-19.66	1.34	10?	45	0.134	
	19.66-20.12	0.46	90	10	0.414	
	20.12-21.28	1.16	10	80	0.116	
	21.28-23.20	1.92	90	5	1.728	
	23.20-23.72	0.52	40	10	0.208	
	23.72-24.66	0.94	85	10	0.799	
	24.66-25.06	0.4	10	30	0.04	
	25.06-27.65	2.59	80	5	2.072	
	27.65-28.75	1.1	5	20	0.055	
	28.75-31.31	2.56	85	<5	2.176	
		17.44			11.302 ÷ 17.44 = 0.6481 =	65
88-2	72.23-72.84	0.61	75	20		75
88-3	16.19-22.01	5.82	50	20	2.91	
	22.01-25.00	2.99	85	5	2.54	
	25.00-26.13	1.13	30	10	0.339	
		9.94			5.789 ÷ 9.94 = 0.5824 =	58
88-4	18.14-18.41	0.27	40	40	0.108	
	18.41-18.75	0.34	30	50	0.102	
	18.75-20.00	1.25	95	<5	1.1875	
	20.00-21.62	1.62	65	20	1.053	
	21.62-21.95	0.33	25	20	0.0825	
	21.95-22.56	0.61	90	5	0.549	
	22.56-23.48	0.92	95	5	0.874	
	23.48-24.15	0.67	85	15	0.5695	
	24.15-26.43	2.28	0	50	0	
	26.43-27.13	0.70	0	0	0	
	27.13-27.23	0.10	0	40	0	
	27.23-27.44	0.21	0	0	0	
	27.44-28.29	0.85	0	40	0	
	28.29-29.82	1.53	80	15	1.224	
	29.82-31.68	1.86	10	5	0.186	
	31.68-33.63	1.95	60	10	1.17	
	33.63-35.00	1.37	10	0	0.137	
	35.00-35.98	0.98	50	10	0.49	
		17.84			7.7325 ÷ 17.84 = 0.4334 =	43
±	35.98-40.24	4.26	25	15	1.065	
		22.10			8.7975 ÷ 22.1 = 0.3981 =	40

Visual Estimates (cont.)

Drill Hole No.	Interval (m)	Length (m)	Visual Estimates (Percent)		Wollastonite x Length	Weighted Average Wollastonite (Percent)
			Wollastonite	Garnet		
88-4 Lower Zone						
	57.35-59.70	2.35	85	3	1.9975	
	59.70-60.88	1.18	50	20	0.59	
		3.53			2.5875 ÷ 3.53 = 0.7330 =	73
88-5	36.13-37.71	1.58	70	10		70
	45.37-47.62	2.25	50	15	1.125	
	47.62-49.09	1.47	<5	5	0.0735	
	49.09-49.21	0.12	90	5	0.108	
		3.84			1.3065 ÷ 3.84 = 0.3402 =	34
	69.66-69.97	0.31	50	50		50
88-6	9.24-12.50	3.26	70	15	2.282	
	12.50-13.54	1.04	0	0	0	
	13.54-15.00	1.46	0	0	0	
	15.00-16.04	1.04	<5	15	0.052	
	16.04-17.68	1.64	<5	10	0.082	
	17.68-18.26	0.58	60	<5	0.348	
	18.26-18.96	0.70	20	15	0.14	
	18.96-23.32	4.36	65	5	2.834	
		14.08			5.738 ÷ 14.08 = 0.4075 =	41
	32.68-33.29	0.61	40	10		40
	48.20-49.79	1.59	65	5		65
88-7	6.40-8.54	2.14	40	15	0.856	
	8.54-14.51	5.97	70	20	4.179	
	14.51-15.46	0.95	60	10	0.57	
	15.46-18.48	3.02	80	10	2.416	
	18.48-19.73	1.25	60	5	0.75	
	19.73-20.88	1.15	30	10	0.345	
		14.48			9.116 ÷ 14.48 = 0.6296 =	63
88-8	3.96-9.76	5.8	50	25	2.9	
	9.76-11.68	1.92	65	10	1.248	
	11.68-12.35	0.67	<5	<5	0.0335	
	12.35-14.85	2.50	75	5	1.875	
		10.89			6.0565 ÷ 10.89 = 0.5562 =	56

Visual Estimates (cont.)

Drill Hole No.	Interval (m)	Length (m)	Visual Estimates (Percent)		Wollastonite x Length	Weighted Average Wollastonite (Percent)
			Wollastonite	Garnet		
88-8A	4.88-6.62	1.74	70	0	1.218	
	6.62-6.74	0.12	0	0	0	
	6.74-7.65	0.91	40	10	0.364	
	7.65-10.55	2.9	60	40	1.74	
	10.55-12.20	1.65	40	10	0.66	
		7.32			3.982 ÷ 7.32 = 0.5440 =	54
88-9	9.97-15.85	5.88	45	20	2.646	
	15.85-20.67	4.82	60	10	2.892	
	20.67-23.57	2.9	0	0	0	
	23.57-30.18	6.61	95	<5	6.2795	
	30.18-35.88	5.7	55	5	3.135	
	35.88-37.41	1.53	0	0	0	
	37.41-42.23	4.82	40	<5	1.928	
		32.26			16.8805 ÷ 32.26 = 0.5233 =	52
88-10	1.22-9.21	7.99	75	10	5.9925	
	9.21-13.26	4.05	25	5	1.0125	
	13.26-20.73	7.47	70	10	5.229	
	20.73-25.61	4.88	45	10	2.196	
	25.61-28.66	3.05	80	5	2.44	
	28.66-31.71	3.05	0	0	0	
	31.71-35.67	3.96	45	10	1.782	
	35.67-38.35	2.68	0	0	0	
	38.35-43.29	4.94	70	5	3.458	
		42.07			22.110 ÷ 42.07 = 0.5256 =	53
88-10 Lower Zone						
	60.24-64.02	3.78	50	10	1.89	
	64.02-66.92	2.90	15	<5	0.435	
	66.92-67.53	0.61	95	<5	0.5795	
		7.29			2.9045 ÷ 7.29 = 0.3984 =	40
88-10 Lowest Zone						
	76.83-78.35	1.52	50	50		50
88-11	2.44-5.06	2.62	50	20	1.31	
	5.06-9.76	4.70	75	10	3.525	
	9.76-11.34	1.58	50	5	0.79	
		8.90			5.625 ÷ 8.9 = 0.6320 =	63

Visual Estimates (cont.)

Drill Hole No.	Interval (m)	Length (m)	Visual Estimates (Percent)		Wollastonite x Length	Weighted Average Wollastonite (Percent)
			Wollastonite	Garnet		
88-12	9.76-11.13	1.37	35	<5	0.4795	
	11.13-13.41	2.28	50	0	1.14	
	13.41-13.96	0.55	15	0	0.0825	
	13.96-18.60	4.64	60	30	2.784	
	18.60-33.23	14.63	85	10	12.4355	
	33.23-35.18	1.95	25	70	0.4875	
	35.18-39.33	4.15	0	0	0	
	39.33-40.21	0.88	80	10	0.704	
	40.21-44.21	4.00	10	10	0.40	
	44.21-46.34	2.13	65	35	1.3845	
	44.34-48.17	1.83	0	0	0	
	48.17-49.02	0.85	50	15	0.425	
	49.02-49.48	0.46	0	0	0	
	49.48-49.60	0.12	40	10	0.048	
		39.84			20.5479 ÷ 39.84 = 0.5113 =	51
8-13	7.01-17.07	10.06	35	10	3.521	
	17.07-21.43	4.36	25	10	1.09	
	21.43-22.96	1.53	5	5	0.0765	
	22.96-25.21	2.25	95	<5	2.1375	
	25.21-28.35	3.14	20	20	0.628	
	28.35-36.59	8.24	60	30	4.944	
		29.58			12.397 ÷ 29.58 = 0.4191 =	42
88-14	16.16-16.68	0.52	95	0	0.494	
	16.68-21.58	4.9	15	0	0.735	
	21.58-22.96	1.39	0	0	0	
	22.96-26.80	3.84	85	0	3.264	
	26.80-27.99	1.19	35	0	0.4165	
	27.99-29.42	1.43	95	<5	1.3585	
	29.42-30.40	0.98	30	0	0.294	
	30.40-31.77	1.37	80	5	1.096	
	31.77-32.38	0.61	10	0	0.061	
	32.38-33.41	1.03	0	0	0	
	33.41-34.51	1.10	25	0	0.275	
	34.51-37.10	2.59	40	0	1.036	
		20.94			9.03 ÷ 20.94 = 0.4312 =	43
88-15	18.54-26.07	7.53	60	10	4.518	
	26.07-27.99	1.92	5	30	0.096	
	27.99-38.41	10.42	20	10	2.084	
	38.41-43.60	5.19	40	10	2.076	
		25.06			8.774 ÷ 25.06 = 0.3501 =	35

Visual Estimates (cont.)

Drill Hole No.	*Interval (m)*	*Length (m)*	*Visual Estimates (Percent)*		*Wollastonite x Length*	*Weighted Average Wollastonite (Percent)*
			Wollastonite	*Garnet*		
88-15	89.63-92.07	2.44	45	45	1.098	
(cont.)	92.07-92.68	0.61	10	10	0.061	
	92.68-95.43	2.75	35	35	0.9625	
		5.80			2.1215 ÷ 5.8 = 0.3658 = 37	

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: ARCTEX ENGINEERING SERVICES

2390 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9

A8813238

Comments: CC: C.M. IZZARD

CERTIFICATE A8813238

ARCTEX ENGINEERING SERVICES
PROJECT :
P.O.# :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 5-APR-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	1	Assay: Crush, split, ring -140
232	1	Total ICP digestion

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
592	1	SiO2 %: Whole rock	ICP-AES	0.01	99.00
594	1	Al2O3 %: Whole rock	ICP-AES	0.01	99.00
586	1	Fe2O3(total) %: Whole rock	ICP-AES	0.01	99.00
593	1	MgO %: Whole rock	ICP-AES	0.01	99.00
588	1	CaO %: Whole rock	ICP-AES	0.01	99.00
599	1	Na2O %: Whole rock	ICP-AES	0.01	99.00
821	1	K2O %: Whole rock	ICP-AES	0.01	99.0
595	1	TiO2 %: Whole rock	ICP-AES	0.01	99.00
597	1	P2O5 %: Whole rock	ICP-AES	0.01	99.00
596	1	MnO %: Whole rock	ICP-AES	0.01	99.00
542	1	BaO %: Whole rock	ICP-AES	0.01	99.00
475	1	L.O.I. %: Loss on ignition	FURNACE	0.01	99.00
540	1	Total %	CALCULATION	0.01	N/A
368	1	CO2 %: Inorganic	LECO-GASOMETRIC	0.20	100.0

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To : ARCTEX ENGINEERING SERVICES
2390 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9
Project :
Comments: CC: C.M. IZZARD

Page No. : 1
Tot. Pages: 1
Date : 5-APR-88
Invoice # : I-8813238
P.O. # :

CERTIFICATE OF ANALYSIS A8813238

SAMPLE DESCRIPTION	PREP CODE		SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	BaO %	LOI %	TOTAL %	CO2 % inorg
LIMESTONE	208	232	8.80	0.41	0.50	0.42	51.79	0.16	0.37	0.04	0.08	0.06	< 0.01	35.39	98.04	33.4

HOLE 88-3, COMPOSITE SAMPLE, 34.50 m (129.5') TO 44.84 m (147')

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION : W. Ebenezer