

SKYLINE EXPLORATIONS LTD.

PROGRESS REPORT

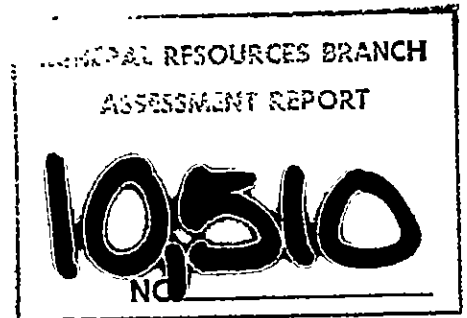
ON THE

REG GROUP

104-B-11-E/2, Liard M.D., B.C.

56°38'N

131°05'W



part 1
of 2

PART I

CLOUTIER, PICK-AXE AND MCFADDEN ZONES

P.H. Sevensma, March 31, 1982

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PART I

CLOUTIER, PICK-AXE AND MCFADDEN ZONES

GENERAL

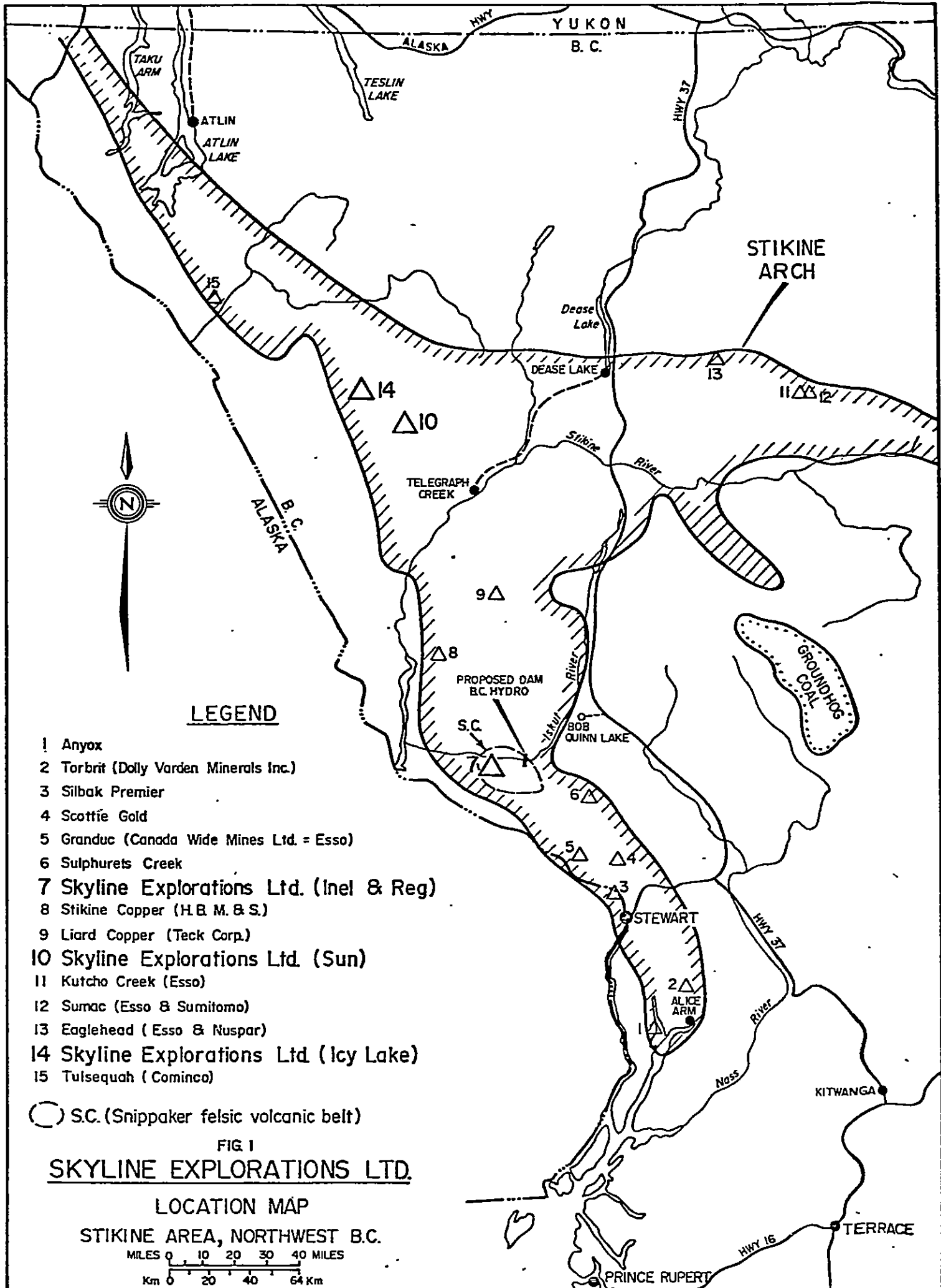
The property, 100% owned by Skyline Explorations Ltd., consists of 172 units in 9 claims (Figure 3).

The 1981 field program started July 15, 1981 and was terminated September 21st. Weather conditions were good to excellent until late August, but turned unusually stormy at that time, with very mild temperatures, heavy rain and very strong winds all through September. Many of the larger permanent icy patches on northerly slopes melted completely, and the local glaciers above the showing areas remained in rapid retreat.

Access was maintained during the season from Terrace via the Snippaker airstrip, but at the end of August forest fires elsewhere cut down on the available aircraft, which condition continued during September due to the unusually poor weather conditions.

This report includes a map, showing the location of the Reg Group and other Skyline properties within the Northern B.C. Upper Triassic-Lower Jurassic volcanic belt (Figure 1), where the company has carried out mineral exploration since 1968, as well as a map showing proposed development in the Iskut-Stikine area taken from a large 1:500,000 map produced by the Kitimat-Stikine Regional District, 1981 printing, relating to Resource Development.

Figure 3 is an accurate claim map of Skyline's



LEGEND

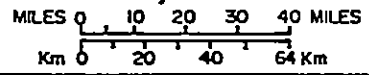
- 1 Anyox
- 2 Torbrit (Dolly Varden Minerals Inc.)
- 3 Silbak Premier
- 4 Scottie Gold
- 5 Granduc (Canada Wide Mines Ltd. = Esso)
- 6 Sulphurets Creek
- 7 Skyline Explorations Ltd. (Inel & Reg)
- 8 Stikine Copper (H.B. M. & S.)
- 9 Liard Copper (Teck Corp.)
- 10 Skyline Explorations Ltd. (Sun)
- 11 Kutcho Creek (Esso)
- 12 Sumac (Esso & Sumitomo)
- 13 Eaglehead (Esso & Nuspar)
- 14 Skyline Explorations Ltd. (Icy Lake)
- 15 Tulsequah (Cominco)

○ S.C. (Snippaker felsic volcanic belt)

**FIG 1
SKYLINE EXPLORATIONS LTD.**

LOCATION MAP

STIKINE AREA, NORTHWEST B.C.



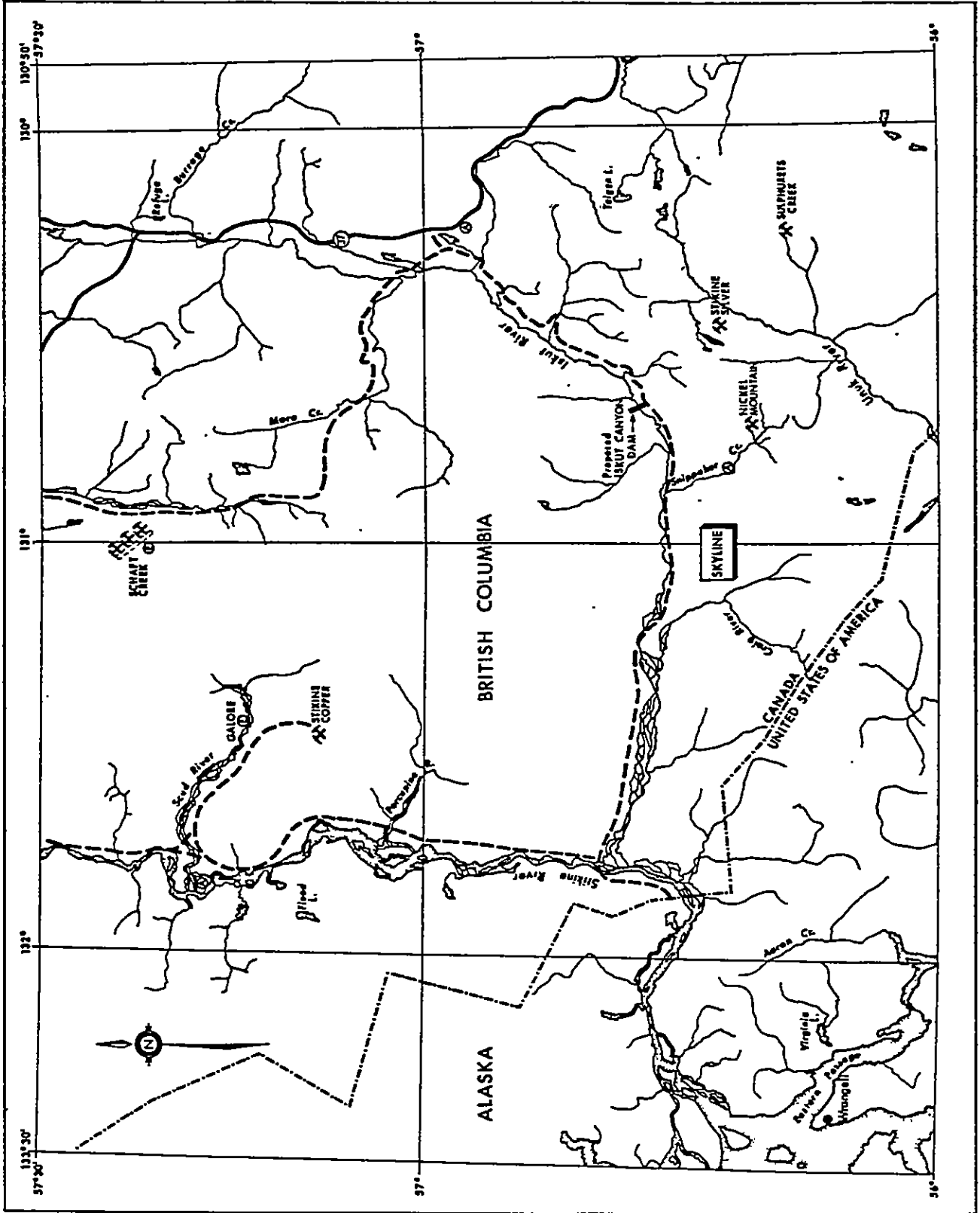


FIGURE : 2

- LEGEND**
- ✕ Prospect
 - Strip with or without facilities
 - ① Emergency Landing Strip
 - ⑦ Major Road

SCALE
0 10 20 30

holdings in the Johnny Mountain area, also showing the holdings of Cominco Ltd. and of Dupont of Canada, who have recently tied on claims respectively to the northwest of the Reg Group and to the east of the Inel Group of Skyline Explorations Ltd.

Both these companies carried out programs on these nearby holdings in 1981 and are contemplating significant further action in 1982.

Figure 4 summarizes the most important information gathered by Skyline Explorations near the central area of its Reg Group.

This report is prepared without the benefit of the final reports of the company's geological and geophysical consultants, and is an endeavor to summarize the most important discoveries without entering into detailed discussions.

SURVEYING AND PICKETING

At the start of the season, about 26 km (16 miles) of base and grid lines were flagged at 50 meter spacing, lines at 100 m spacing.

The baseline was selected to start on a long shallow ridge between the two main glacial basins, about parallel to the assumed northwest strike of some of the main showings.

Geophysical work and the discovery by trenching of the southwesterly extension of P-12 indicated, however, more nearly northeasterly strikes of the mineral occurrences and most of the surveying was conducted along northwesterly lines parallel to the baseline.

The baseline and lines 0-0 and 300N were picketed with short metal B.C. Land surveyor pickets at 50 m spacing for permanency.

As shown on the map lines 0-0, 300N and 500S are accurately positioned in relation to prominent topographical features, using a 1:5000 base map prepared from government air photographs, taken in 1965 and 1974, by Integrated Resources Photography of Vancouver, B.C. in May of 1981.

By the end of the field program, all permanent snow and ice patches on the map area of Figure 4 had melted, exposing much new outcrop, both on the southwest side of this map and beyond its southwest border. Ice on Johnny Glacier in the southeast corner of the map was rapidly melting.

PROSPECTING

A total of 58 field samples located by prospecting were assayed; a number of these assays were not available till after completion of the field work.

Most attention in sampling was concentrated on pyrite showings and float in the belief that copper and gold were directly related to the amount of pyrite. This was proven to be not true, as some silicified volcanics with perhaps 2 or 3% pyrite can carry up to about 0.15 Oz/T Au with insignificant copper. In fact, all possible combinations were found between the grade in pyrite, the grade in copper and the grade in gold, although a definite tendency of the gold to follow copper was noted.

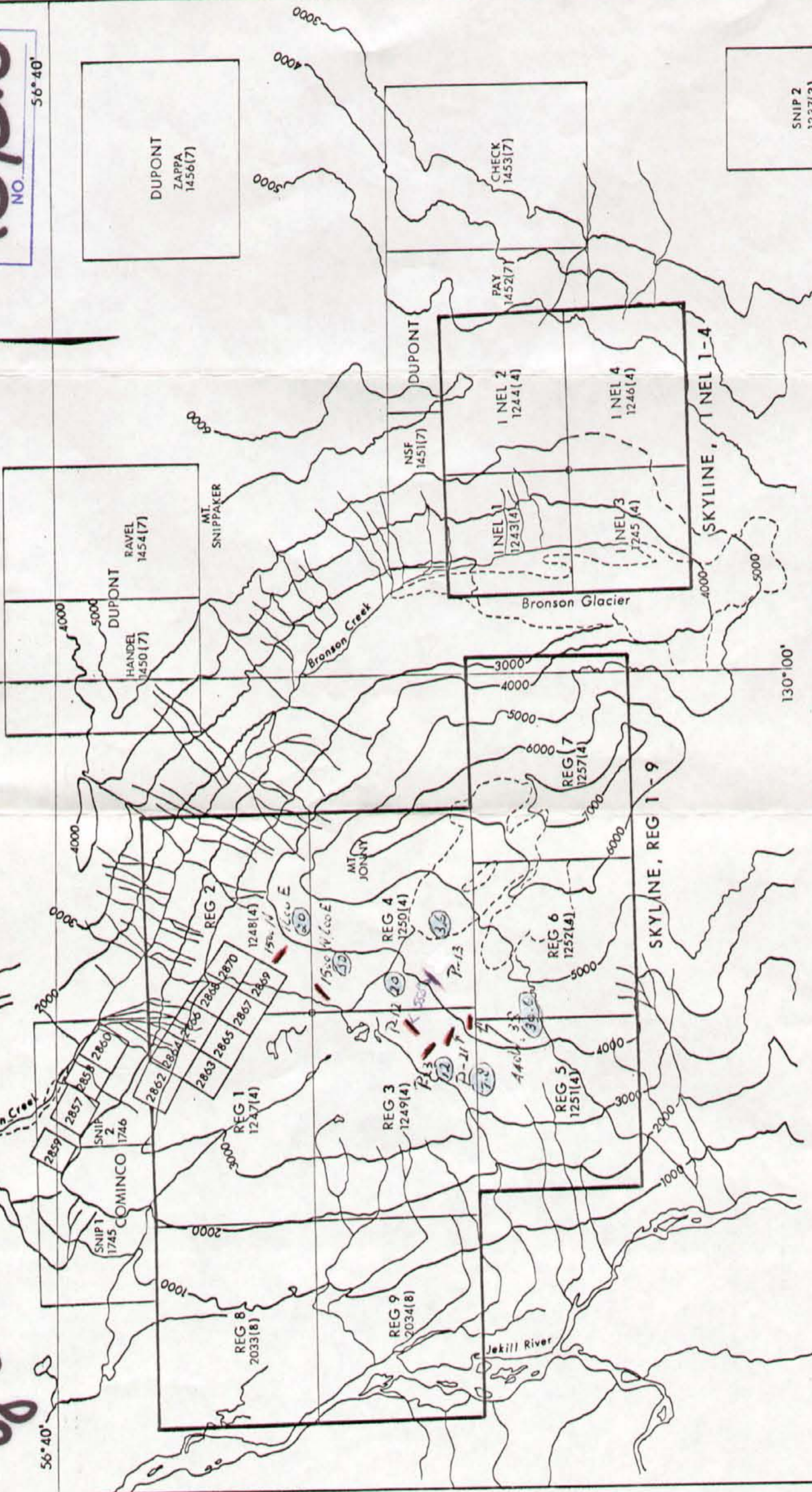


*part 12
of 2*

56°40'

130°00'

130°00'



SKYLINE EXPLORATIONS LTD.

CLAIMS MAP

Promulgating 1981

*P-12 Tranches.
20 Cubic meters.*



FIGURE : 3

To accompany report by P.A. Stevens Inc.

Drilling suggests that in the overall picture, gold may form a type of pathfinder halo for copper.

Therefore, even altered rocks with very little pyrite encountered in prospecting should be assayed and recorded.

Any assay over .01 Oz/T Au is significant, and even assays as low as .005 - .009 Oz/T Au could be indicative of higher concentrations of gold or copper nearby.

No gold values exceeding .005 Oz/T Au were found south of a line running approximately west-east from about P-6,7 to a point on the baseline at 725S (some 200 m southeast of the map border).

This line is about parallel to the strike of the formations and is believed to be significant.

A well defined area about 70 m by 240 meters was outlined where 10 samples of coarse float of massive pyrite averaged 1.38% Cu, 1.14 Oz/T Ag and 2.660 Oz/T Au. It was named the McFadden Zone after the prospector who is believed to be the first to have located high grade float in this area in 1954.

GEOLOGY

In the area marked "Glacial Debris" on Figure 4 outcrops may constitute 2-4% of the surface. The debris consists of angular boulders, but does not exceed about 1-2 m in depth, except under the morainic ridges, which may be up to 20 or more meters thick in places.

A narrow (1-2 m) lensy finely re-crystallized argillaceous limestone is an important marker, separating mostly argillaceous and silty beds to the south from tuffs, breccias and associated rhyolite and dacite flows to the north. The main foliation in these volcanics is parallel to the sedimentary bedding, which strikes about N80°W with a 40° dip to the north, locally varying down to 20° and up to 70°. East of the main moraine, as well as in the P-14 area, nearly flat foliation has been observed.

The tuffs often carry 1-3 mm feldspar phenocrysts and may grade into lapilli-tuffs or fine-grained breccias; many of the breccias carry a jumble of fragments up to 10 cm (4"). At other times, especially to the west, the fragments are quite isolated and elongated, perhaps because they were deposited in an aqueous environment, or because of early internal deformation.

Thin section studies will be required for a more adequate study.

Little is as yet known about the rhyolite and dacite flows, which could also have formed as sills.

The copper-gold-pyrite mineralization in place has so far been found mainly along and near the contact of the rhyolite with the breccias and tuffs.

Two significant NNW striking faults have been observed, as shown on the map, joined by a north-south fault cutting the original Pick-Axe showing.

The position of the latter fault is definite and

based on 1981 drilling by Skyline, as well as on some 1962 EX drilling by HBM & S.

GEOPHYSICS

EM surveys with a Max-Min instrument were conducted with coil spacings of 25, 50 and 100 m, mostly at a frequency of 3555 Hz. Northeast grid lines were quickly abandoned when it became apparent that strikes of mineral zones were in the northeast quadrant, and northwest lines were then used. The 100 m coil separation results, portrayed on Figure 4, are the most demonstrative. At this spacing, measurements are believed to reflect conductivity prevailing at a depth of some 50-60 m (about 200'). Out-of-phase anomalies were mostly stronger than in-phase anomalies, and sharper, suggesting zones averaging around perhaps 20% sulphides, except on Section 200W, where a greater percentage sulphides may be expected.

In the Cloutier Zone, 25 m and 100 m coil spacing produced significant anomalies with weaker reactions at 50 m spacing, and well defined narrow anomalies at 25 m spacing.

Drilling confirmed a near-vertical zone gradually increasing in width with depth from around 5 m to around 10 m between near-surface and 30 m depth. The most attractive profile is the one on Line 200 W, with the best in-phase readings. At depth the anomalies suggest a substantial width of some 50 m.

The Pick-Axe Zone showed a continuous relatively weak anomaly, with the best anomaly located on Line 100 E, down-

dip from the P-13 showing and near a substantial rhyolite outcrop.

Further EM surveying was planned for the area east and southeast of the Big Moraine, but the geophysicists could not return due to problems elsewhere.

In 1974, Texas Gulf ran three IP lines about parallel to the present Skyline baseline, at approximately 50E, 80W and 180W. This outlined a very strong chargeability anomaly of about 80-100 milliseconds over a background of about 20 milliseconds, and about 250-300 meters wide.

This anomaly, not further investigated at the time, is about centered on the Pick-Axe EM anomaly, and is now taking on considerable significance.

R-19 is an important showing and undoubtedly part of the Pick-Axe showing.

Other showings have been reported east and northeast of showing R-20, but have not yet been examined.

Extensive prospecting, mapping and EM surveying are planned for 1982 in the area east of the Big Moraine.

CORE-HOLE DRILLING

A Hydra-core drill was used on one shift, drilling BQ core. Eight holes were drilled for a total footage of 1148'.

In the latter part of the season, time was lost due to engine failure and difficulty in obtaining required parts because of exceedingly bad weather.

Core recoveries were excellent, with only minor losses experienced in massive sulfide zones.

Two holes were drilled near point P-1 on the Pick-Axe showing, locating two separate zones and a major fault (81-1 and 81-2). See Figure 9.

The main zone lying west of the fault is the copper-gold zone exposed in the trench; east of the fault a zinc zone with minor gold was cut, both with probable shallow dip as follows:

<u>TRUE WIDTH METERS</u>	<u>% Cu</u>	<u>% Pb</u>	<u>% Zn</u>	<u>Oz/T Ag</u>	<u>Oz/T Au</u>
5.2	3.37	-	-	2.69	.138
5.8	.61	.03	4.02	.35	.015

As the fault required further geological and geophysical investigation, drilling was switched to the newly discovered P-12 trench on the Cloutier Zone, where five holes were completed from the main drilling station at 291N - 296W. See Figure 10.

From SW to NE, the upper tier holes intersected overlapping copper and gold zones as follows:

	<u>WIDTH METERS</u>	<u>% Cu</u>	<u>Oz/T Au</u>	<u>WIDTH METERS</u>	<u>% Cu</u>	<u>Oz/T Au</u>
81-5	3.1	2.30	.065	4.6	1.68	.068
81-4	4.4	2.38	.263	5.8	1.80	.265
81-6	.8	3.54	.164	18.5	.19	.128

All widths represent about true widths. Silver averages about 0.5 Oz/T.

Details are shown on Figure 10.

Holes 81-3 and 81-7 showed diminishing values at lower levels in a widening zone on Section 296W.

Based on scant surface information and good drill data, the structure is interpreted as an isolated anticlinal fold with a near-vertical axial plane and a moderate northeast plunge related to the manner in which this fold is connected to the foliation (= "bedding") which strikes nearly east-west with a 40° dip.

The substantial increase in the width of the gold zone in the most northeasterly hole 81-6, the presence of significant gold values in small pyrite zones (P-20, 97 and 96) for another 300 meters in this direction and the increase in conductivity on Section 200W augur well for the potential in this direction.

Low grade values in Showing P-23 at 430W suggest that another mineral shoot could lie to the southwest.

Alteration associated with the mineralization consists of silicification and black chloritization.

It must be remembered that the gold tenor cannot be estimated visually and that assays are not available until well after a core hole has been completed.

The sections show clearly where some additional assaying is justified at the start and the end of several of the assayed sections. In general, no assaying was done where the tenor in pyrite was estimated at less than 3%.

Also, drilling was started on the basis of a trenched showing; to drill the deeper anomaly adequately, core holes would

have to be spotted around 320N between 500 W and 150W.

The length of the drill-proven zone along its southeast wall is only about 25 m out of a total length of interest of 500 meters. (1600 ft.)

Hole 81-8 was drilled at 430W and 5N to explore a cross section with several low sulphide zones, but had to be stopped at 165' before reaching its objective, due to engine failure.

A substantial amount of drilling is proposed for 1982 in the Cloutier Zone, as well as in the Pick-Axe Zone between about 150W and 150E.

All core has been stored in a rock-house on the base- like at 80 W. JMS

SOURCES OF FLOAT

Much thought has been given to the source of the high grade McFadden float area.

Up ice, this float stops at 500S, and on the baseline ridge some pyrite float with minor gold values has been found associated with abundant rubble of typical volcanics, to 725S (off Figure 4), where the rubble changes to a different formation.

The direction of the McFadden float train points up slope towards this easily accessible ridge, and its most likely source is believed to be in this area.

There is also a considerable float train associated with the Pick-Axe outcrop area, extending some 200 meters below it, mixed with both local volcanics as well as with the angular andesite having a source some 1500 meters up slope.

In other words, the ice did partly break down the

old Pick-Axe outcrop, but did not move a large portion of the coarse sulphide rubble very far. Also, the overlying hard rhyolite clearly presented a resistant obstacle, as it did in P-13 to R-32 area, contributing to an outcrop remaining in inter-glacial periods.

Intensive prospecting and geophysical surveying of the suspected source area of the high grade McFadden float area is therefore planned for the 1982 season.

Oxidation in mineral outcrops is only minimal.

ORE-GENESIS

Mineralization encountered so far may be termed of a bedded type, along the contact of tuffs and breccias with inter-bedded rhyolite bodies. There are definitely several preferred "horizons".

This type of volcanogenic mineralization may form many differently shaped bodies of significant size, from extensive regular sheets to large pinching and swelling shoots, all related to the actual mode of original deposition and possible subsequent remobilization.

Some ore deposition elsewhere is even known to be restricted to valleys filled with rhyolite flows.

The most important guides to ore on this property are at present showings, gold "halos" and geophysics. Excessive speculation on the actual mode of genesis is still premature.

Gold and silver increase in grade from west to east. Ore shoot plunges are no doubt northeastward, related to the mode

of intersection of the two main zones with the regional bedding.

It is now a matter of additional drilling, justified by the combination of economic mineralization supported by significant electro-magnetic anomalies and hi-grade float.

A handwritten signature in black ink, appearing to read 'P.H. Sevensma', with a long horizontal stroke extending to the right.

P.H. Sevensma, Ph.D., P.Eng.,
Director, Skyline Explorations Ltd.

Dated: 13 November 1981

SKYLINE EXPLORATIONS LTD.

ITEMIZED COST STATEMENT

1981 FIELD SEASON

<u>CHEQUE NO.</u>	<u>\$ AMOUNT</u>	<u>DESCRIPTION</u>
<u>GEOCHEMICAL ANALYSES</u>		
632	\$ 378.00	Acme Analytical Lab Inv. Aug. 1/81 Au, Ag, Cu, Pb.
638	2,051.00	" " Aug.27/81 "
692	852.41	" " " "
756	1,975.49	" " Oct.30/81 "
	323.00	Other labs from expense a/c's "
	<u>135.00</u>	" "
	<u>5,714.90</u>	

GEOPHYSICAL & GEOLOGY

696	3,304.45	E.W. Grove Consultants Ltd. Inv. Aug. 31/81 8.5 days @ \$350/day and disbursements
755	615.10	E.W. Grove Consultants Ltd. Inv. Oct. 31/81 1.5 days @ \$350/day and disbursements
785	2,810.55	E.W. Grove Consultants Ltd. Inv. Dec. 15/81 6.5 days @ \$350./day and disbursements
716	763.29	E.W. Grove Consultants Ltd. Inv. Sept. 30/81
760	579.20	Aline Drafting Services Ltd. Nov. 12/81 Claims map, location & geological
723	57.24	Vangeochem Lab Inv. Sept. 8/81 Geochemical supplies
727	4,838.04	Pamicon Developments Ltd. Inv. Apr. 3/81 Geological studies Jan. Feb. & Mar. 1981
764	557.17	J.W. Drafting Services - Inv. Nov. 16/81 Claims maps
765	20.13	Western Reproducurs Ltd. Inv. Nov. 10/81 Maps reproduction
738	13,400.00	Neilsen Geophysics Ltd. Aug.27/81 to Sep.13/81 P. Nielsen 17days @\$250/day \$4,250 R. Klanjscek 17days @ \$165/day 2,805 Instrument rental 17days @ \$245/d \$4,165 Travel and administration \$2,255
	<u>26,945.17</u>	

FUEL

625	1,462.44	Burdett Distributors Ltd.
715	<u>325.27</u>	"
	<u>1,787.71</u>	

TRANSPORTATION

627	\$	220.30	Astro Tours Ltd. P. Sevensma Vancouver - Terrace
650		886.20	Astro Tours Ltd.
654		220.30	Astro Tours Ltd. J. Zeman, Terrace
687		220.30	Astro Tours Ltd. R.E. Davis, Vancouver - Terrace
693		160.00	Astro Tours Ltd. P. Sevensma " "
710		290.75	Motorways, Equipment transport
736		8,389.97	Transprovincial Airlines
780		5,304.78	P. Sevensma, Expense a/c from May/81 - Sept./81 Equipment rental, transportation, travel
583		401.96	R. Davis, expense a/c - freight
597		330.45	Astro International Travel, Terrace
602		800.00	Low Cost Rent-A-Car
613		6,007.90	Frontier Helicopters Ltd. transportation
635		6,688.00	Transprovincial Airlines
		<u>29,920.91</u>	

CAMP SUPPLIES - HARDWARE, GROCERIES & MISCELLANEOUS SUPPLIES
FROM JULY/81 TO SEPTEMBER/81

637	\$	300.00	Traeger Distributors Ltd.
641		2,000.00	Tom Black, expediting and supplies
678		2,000.00	" "
643		161.44	Payne Hardware
644		137.92	Costal Propane Ltd.
645		71.16	Nelmaco
660		61.17	B.C. Telephone, radio telephone
661		697.85	Surfwood supplies Ltd.
667		242.00	Fleck Bros Ltd.
669		104.02	Peter's Restaurant Supplies Ltd.
677		164.43	Home Town
685		482.45	Tom Black, expediting and supplies
714		221.94	Traeger Distributors Ltd.
719		1,752.74	Overwaita Foods Ltd.
732		8,586.08	Deakin Equipment Ltd. - June, July & Aug./81
579		756.61	Crown Zellerback Stores
584		161.22	R.E. Davis - expense a/c
591		730.34	Surfwood Supplies Ltd.
592		315.50	Western Marine Supplies
629		517.28	Westdrill Equipment Ltd.
		<u>19,465.15</u>	

DRILL SUPPLIES

629	\$	517.28	Westdrill Equipment Ltd. Drill bits
662		1,200.00	" "
766		145.05	" "
735		196.10	" "
766		145.05	" "
596		2,116.82	" "
599		1,058.50	E.G. Walley & Son, Core boxes
779		10,000.00	Gulf International Minerals Ltd.
			Truck rental \$1,000 2 month @ \$ 500
			Drill rental \$9,000 2 month @ 4,500
		<u>15,378.80</u>	

HELICOPTER - TRANSPORTATION

647	\$ 1,650.25	Viking Helicopters July 29/81
680	2,430.87	Frontier Helicopters June/81 to Sept./81
681	1,457.87	" " "
682	973.00	" " "
683	729.75	" " "
582	1,285.35	" " "
701	7,563.17	Viking Helicopters - P. Sevensma , expense a/c
720	3,807.00	Quasar Aviation
	<u>19,897.26</u>	

WAGES & CONTRACTS

652	\$ 9,175.00	M. Cloutier, Trenching & supervision 33day @\$275./day
697	6,050.00	22 days @ \$275.00
700	2,100.00	Dan Davis, Trenching 21 days @ \$100/day
724	5,000.00	Paul Carter, Trenching 50 days @ \$100/day
725	5,000.00	C. Davis, Trenching, 50days @ \$100/day
726	6,000.00	L. Davis, Camp cook, 60 days @ \$100/day
744	2,351.00	Paul Carter, drilling, 24 days @ \$50./day
745	2,351.00	C. Davis " " "
746	10,605.00	R. Davis Jr., drilling and stand-by July, Aug., Sept., 1981
	<u>48,632.00</u>	

TOTAL \$ 167,741.90

CERTIFICATE

I, Peter H. Sevensma, of 7052 Sierra Drive, Burnaby, B.C., hereby certify:

1. THAT I am a Consulting Geologist with business address as above.
2. THAT I am a member in good standing of the Association of Professional Engineers of British Columbia.
3. THAT I graduated from the University of Geneva, Switzerland in Geological and Mineralogical Sciences and obtained my Ph.D. in these subjects in January 1941 at this same institution.
4. THAT I have practiced my profession for the last 45 years.
5. THAT my report on the Reg Group of November 13, 1981 is based on personal supervision of the program in the field from July 25th to September 20th, 1981.
6. THAT I am a Director and Shareholder of Skyline Explorations Ltd.



P.H. Sevensma, Ph.D., P.Eng.

Vancouver, B.C.
31 March 1982

SKYLINE EXPLORATION EXPENSE RECORD

1981 FIELD SEASON

ASSAYS

632	\$ 378.00
668	2,051.00
692	852.41
756	1,975.49
	323.00
	<u>135.00</u>
	<u>\$ 5,171.90</u>

GEOPHYSICAL & GEOLOGY

696	\$ 3,304.45
755	615.10
760	579.20
716	763.29
723	57.24
727	4,838.04
738	13,400.00
764	557.17
765	20.13
785	<u>2,810.55</u>
	<u>\$ 26,945.17</u>

TRANSPORTATION

627	\$ 220.30
650	886.20
654	220.32
687	220.30
693	160.00
710	290.75
736	8,389.97
780	5,304.78
583	401.96
597	330.45
602	800.00
613	6,007.90
635	<u>6,688.00</u>
	<u>\$ 29,920.91</u>

FUEL

625	\$ 1,462.44
715	<u>325.27</u>
	<u>\$ 1,787.71</u>

CAMP SUPPLIES

637	\$ 300.00
641	2,000.00
643	161.44
644	137.92
645	71.16
660	61.17
661	697.85
667	242.00
669	104.02
667	164.43
678	2,000.00
685	482.45
714	221.94
719	1,752.74
732	8,586.08
579	756.61
584	161.22
591	730.34
592	315.50
629	<u>517.28</u>
	<u>\$ 19,465.15</u>

DRILL SUPPLIES

629	\$ 517.28
662	1,200.00
766	145.05
735	196.10
766	145.05
779	10,000.00
596	2,116.82
599	<u>1,058.50</u>
	<u>\$ 15,378.80</u>

HELICOPTER

647	\$ 1,650.25
680	2,430.87
681	1,457.87
682	973.00
683	729.75
701	7,563.17
720	3,807.00
582	<u>1,285.35</u>
	<u>\$ 19,897.26</u>

WAGES & CONTRACTS

652	\$ 9,175.00- Tr
697	6,050.00 -Tr
700	2,100.00 -Tr
724	5,000.00 -Tr
725	5,000.00 -Tr
726	6,000.00-Camp
744	2,351.00- Dr
745	2,351.00- Dr
746	10,605.00- Dr
	<u>\$ 48,632.00</u>

\$ 167,198.90

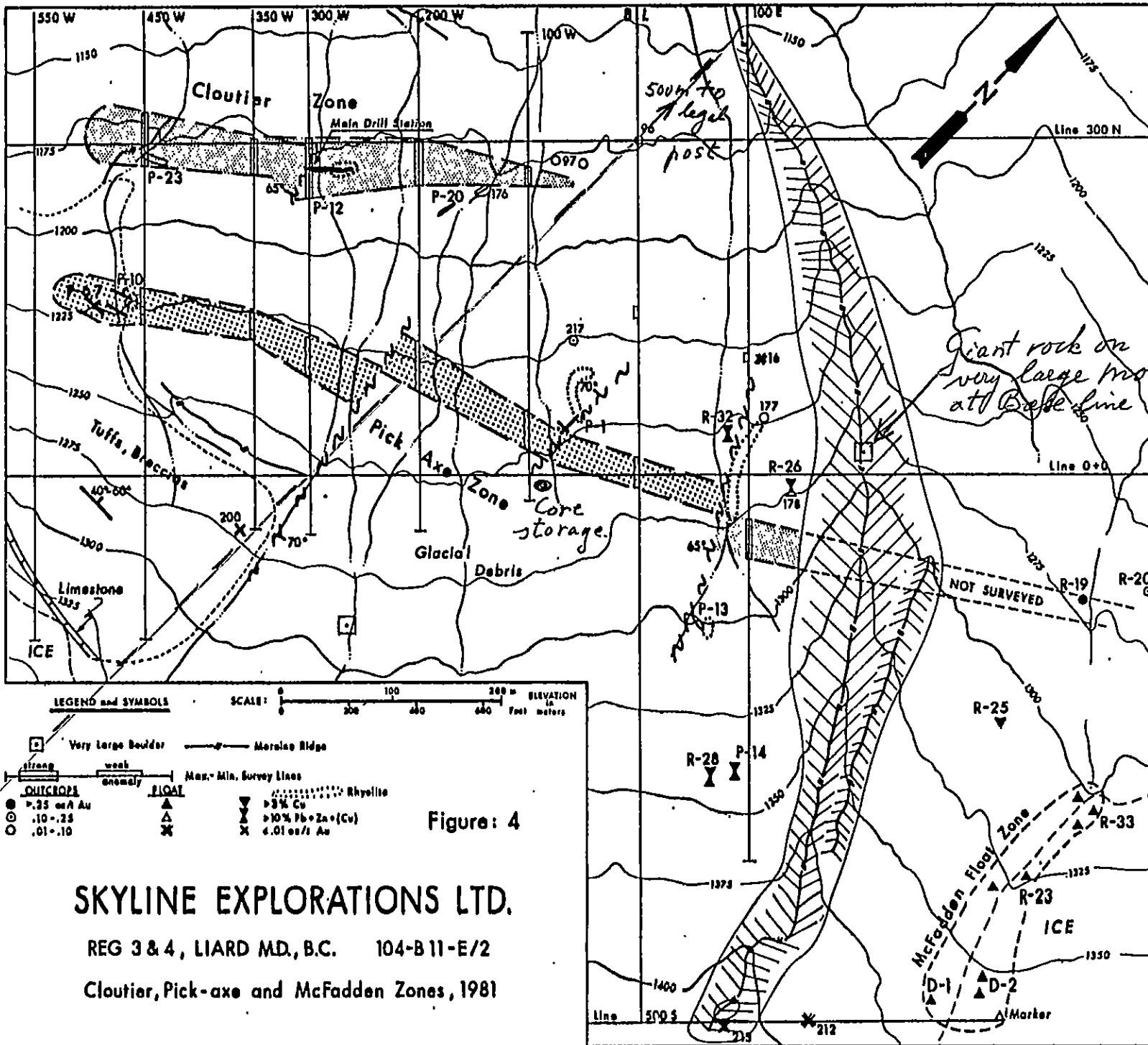


Figure: 4

SKYLINE EXPLORATIONS LTD.

REG 3 & 4, LIARD MD, B.C. 104-B 11-E/2

Cloutier, Pick-axe and McFadden Zones, 1981

Giant rock on very large moraine at Base line E 100 E. Y.H.S.

*REG 3
REG A
Post.
(End)*

SURFACE SAMPLING IN THE CLOUTIER-PICK AXE-MCFADDEN AREA

TO ACCOMPANY PLAN OF THE AREA, FIGURE NO. 4

NUMBER		% Cu	% Pb	% Zn	Oz/T Ag	Oz/T Au	Widths Meters	Description
I.D.	Sample							
<u>(1) Cloutier Zone, all in place</u>								
P-23	45	.31	.01	.02	.23	.010	2m	Pyrite-laced silicified tuff.
	46	.78	.01	.02	.50	.018	1m	Pyrite-laced silicified tuff.
P-12	See trench sketch							
P-20	10	.06	-	-	.16	.382	.03-1.3	Pyrite-laced silicified tuff.
	176	.01	-	-	.23	.032	.05-.30	Pyrite-laced silicified tuff.
	97	.01	-	-	?	.014)		Pyrite, in silicified and chloritized tuff.
	96	.03	-	-	.12	.033)		Small mutiple showings.
<u>(2) Pick-Axe Zone, all in place</u>								
P-6,7)	See trench sketch							
P-10)	217	3.08	-	-	2.72	.131	1 x 1m	Scattered Py, Cp in silicified rock
	177	.01	-	-	.07	.028	2 x 3m	Pyritized rhyolite
R-19	See trench sketch							
R-20	1939	.29	.03	.05	.18	.011	10m)1 cm pyrite stringers in highly silicified tuffs.)
	1942	.77	.06	.17	.38	.196		
R-32	1930	.12	22.30	<u>Float</u> 5.15	2.68	.040		High sulfide head-size block
R-26	1926	5.12	.10	6.82	4.46	.175		High sulfide double-head-size
	178	1.56	-	-	11.20	.178		Pyrite boulder, well rounded
P-13	See trench sketch. Probably part of Pick-Axe "sheet"							
<u>(3) McFadden Float-Zone</u>								
See Table of Assays								
Aver. of 10 samples		1.38	.04	.31	1.14	2.660		Angular pyrite blocks up to 1 m ³
<u>(4) Float between Pick-Axe and McFadden</u>								
P-14	142	5.72	.92	3.15	5.28	.216	.25 x .25	Near massive sulfide
R-28	1927	.88	8.22	1.02	3.60	.011	.15 x .15	Massive sulfide
	213	.02	.38	.95	.36	.007	.50 x .50	Massive pyrite
							x .50	
	212	.31	.01	.07	.34	.040		Head size massive Py

SURFACE SAMPLING IN THE CLOUTIER-PICK AXE-MCFADDEN AREA
TO ACCOMPANY PLAN OF THE AREA, FIGURE NO. 4

- 2 -

<u>NUMBER</u>		<u>% Cu</u>	<u>% Pb</u>	<u>% Zn</u>	<u>Oz/T Ag</u>	<u>Oz/T Au</u>	<u>Widths Meters</u>	<u>Description</u>
<u>I.D.</u>	<u>Sample</u>							
R-25	1925	7.52	1.38	3.62	8.85	.065	.3 x .3	Pyrite in siliceous gangue
R-22	1922	5.85	.06	.27	4.52	.026	.2 x .2	Siliceous pyrite

R-22 lies 100 m southeast of 213, off the map sheet.

SKYLINE EXPLORATIONS LTD.

FLOAT ASSAYS IN THE MCFADDEN ZONE

<u>LOCATION</u>	<u>SAMPLE NO.</u>	<u>% Cu</u>	<u>% Pb</u>	<u>% Zn</u>	<u>Ag Oz/T</u>	<u>Au Oz/T</u>	<u>CO-ORDINATES</u>
R-23	1923	.84	.02	.06	.44	1.120	± 410E, 200S
	1924	3.14	.04	.08	1.81	5.450	
R-33	1931	2.58	.15	.09	1.65	3.820	± 350E, 120S
	1932	2.40	.05	2.32	2.43	.602	
	1933	.58	.06	.09	.91	2.480	
D-1	210	.04	.01	.03	.66	3.950	480S, 260E
Marker	211	.01	.01	.03	.04	.234	
D-1	214	1.00	.05	.02	1.58	4.220	465S, 300E
D-2	215	1.68	.02	.14	1.34	2.100	
D-2	216	1.54	.02	.22	.53	.620	
TOTAL		13.81	.43	3.08	11.39	26.596	
AVERAGE		1.38	.04	.31	1.14	2.660	

These are all the samples taken within this area.

All samples weighed around 1.0 - 2 kg each (2.0 -5 lbs).

Angular blocks up to 1 cubic meter.

On ice, other float consists of typical altered volcanics.

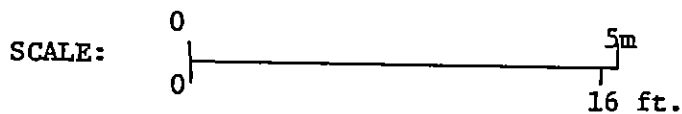
SKYLINE EXPLORATIONS LTD.

REG 4, 104-B-11-E/2

Trench R-19

1980 SAMPLING

<u>FEET</u>	<u>METRES</u>	<u>SAMPLE NO.</u>	<u>% Cu</u>	<u>% Pb</u>	<u>% Zn</u>	<u>Ag Oz/T</u>	<u>Au Oz/T</u>
0	0						
		1934	.16	.40	2.86	.36	.492
5.2	1.6						
		1935	.05	.02	.05	.18	.011
10.4	3.2						
		1936	.04	.02	.10	.26	.047
15.6	4.8						
		1937	.02	.01	.06	.13	.007
20.8	6.4						
		1938	.16	.04	.08	.32	.003
26	8.0						
Av. 26	8.0		<u>.09</u>	<u>.10</u>	<u>.63</u>	<u>.25</u>	<u>.132</u>



Strike may be at about right angle to trench, but mud and faulting obscures the exposures which are partly massive pyrite, partly silicified tuff.

N

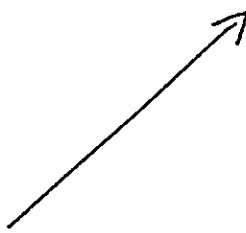
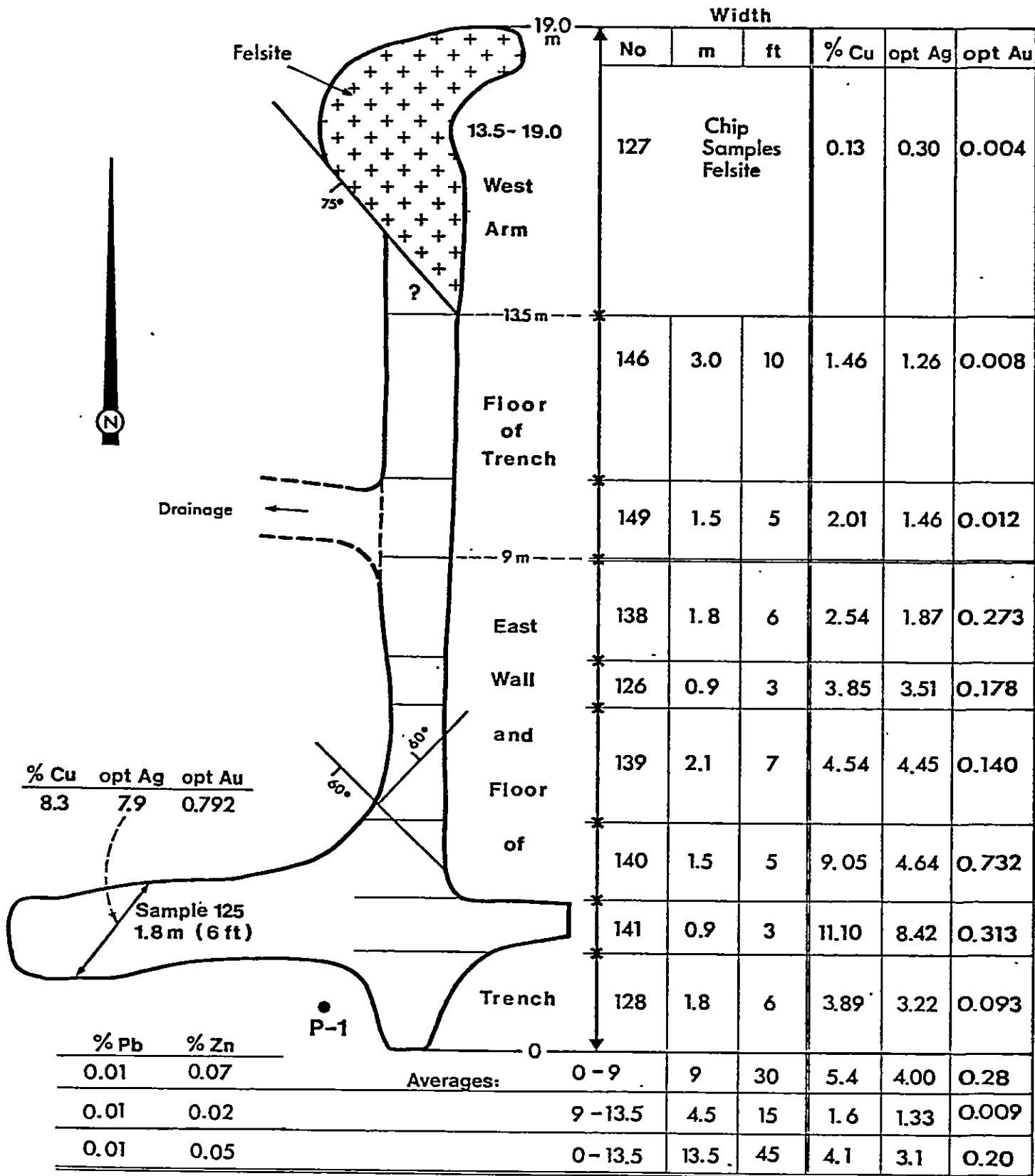


TABLE III

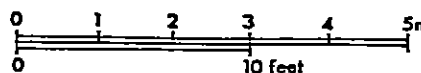


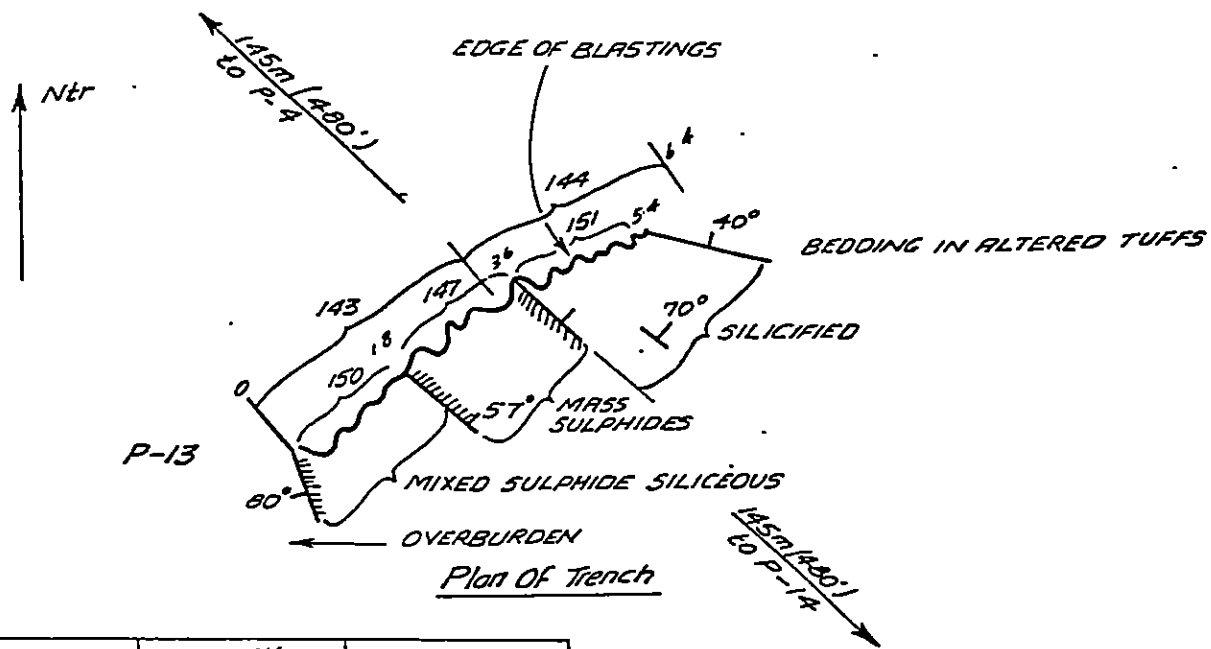
Trench up to 1.2m (4 ft) deep
 Massive pyrite + increasing siliceous material to the north.

FIG. 5
 SKYLINE EXPLORATIONS Ltd.

REG 4 Plan of Pick Axe Trench P-1

1: 100
 1" = 8.3'





SAMPLE NUMBER	DISTANCE m	WIDTH		DESCRIPTION
		m	ft	
<i>HAND TRENCHING, JULY 1980</i>				
143	0-3.4	3.4	11'	
144	3.4-6.4	3.0	10'	
<i>AFTER DRILLING AND BLASTING</i>				
150	0-1.8	1.8	6'	MIXED
147	1.8-3.6	1.8	6'	MASSIVE SULFIDES
151	3.6-5.4	1.8	6'	SILICIFIED
	0-3.6	3.6	12'	MAIN SULFIDE ZONE

% Cu	Ag	Au
1.02	.88	.009
.36	.54	.011
<i>AFTER DRILLING & BLASTING</i>		
85	4.4	.007
1.25	6.5	.012
.23	.35	.008
1.05	.54	.009

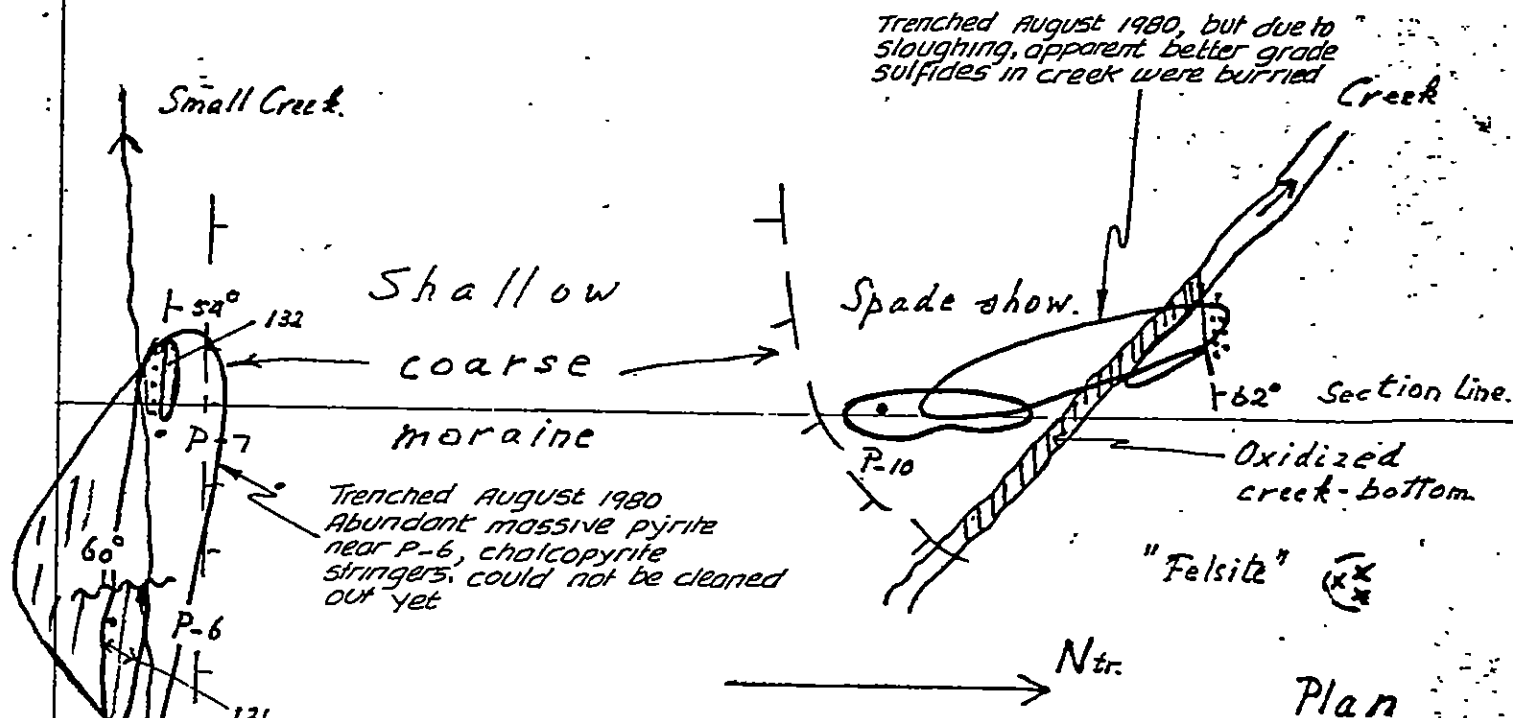
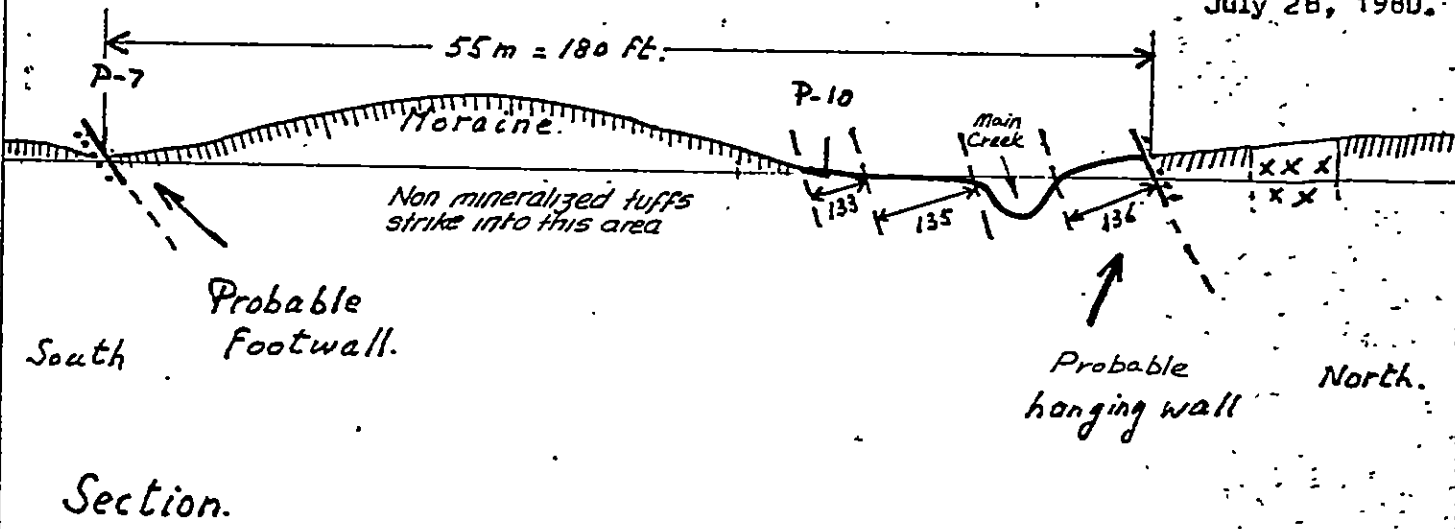
SAMPLED BY P.H. SEVENSMA
 ASSAYED BY ACME LABORATORIES, REPORTS 80-673 AND 80-1013.
 TRENCH CUT INTO NOSE OF GENTLE HILL RISING TO SOUTHERST

SCALE 1:100
 (1" = 8.3')

SKYLINE EXPLORATIONS LTD.	
REG 4 TRENCHING OF MOIL SHOW P-13	
Peter H. Sevensma Consultants Ltd., Vancouver, B.C.	
104B-11/E	

Sample #	Location	Width (m)	%Cu	oz/t Au	oz/t Ag	%Pb	%Zn	%Fe
131	P-6	1.0	.38	.46	.003	.08	.03	
132	P-7	0.3	.04	.28	.003	.07	.02	
133	P-10	3.0	.35	.33	.004	.03	.06	
135	P-10	6.0	.95	.53	.003	.01	.10	
136	P-10	3.5	.21	.28	.001	.01	.06	
132-135	Average	12.6	.60	.41	.003	.01	.07	
134	Flot, 30 m W of P-10		.41	.39	.003	.03	.07	

Sampled: P.H. Sevensma, PhD, P.Eng. July 20, 1980. Assays: Acme An. Lab., Rep. 80-673, July 28, 1980.



Scale: 1:400
(1" = 33.3')

SKYLINE EXPLORATIONS LTD.

REG 3 GP - SPADE SHOWING TRENCHING (P-10)

Peter H. Sevensma Consultants Ltd., Vancouver, B.C.

104B-11/E

Scale: 0 10m Fig: 7

3.00W 2.75W 300N

MAIN DRILL STATION

WEST WALL AT -5m

EAST WALL AT -12m.

1981 N.E.

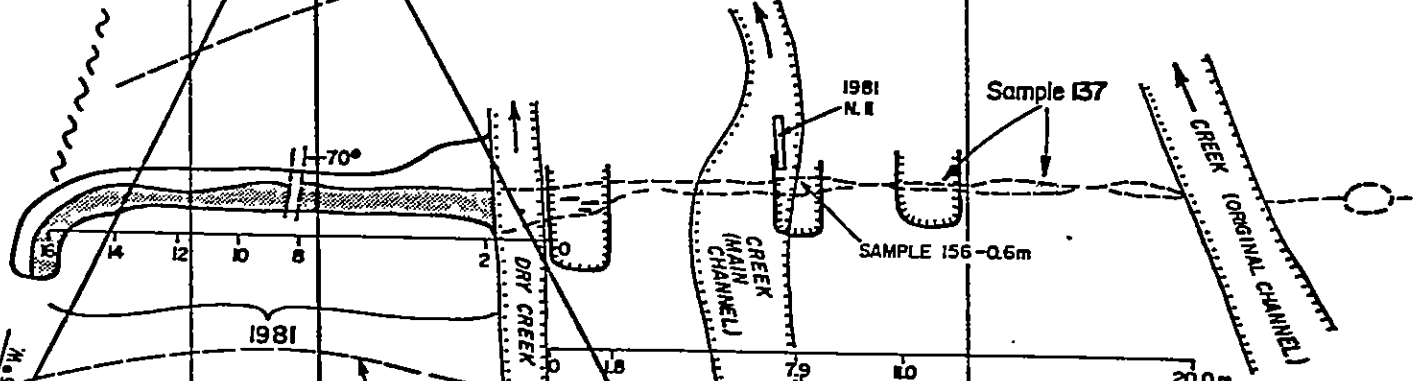
Sample 137

SAMPLE 156-0.6m

1980 Sample 155, 1.8m

1968 ?
Up to 9", grade 0.15 oz/T. Au

65° HW? N. 15° W.



ASSAYS

SAMPL. No.	Width (m)	% Cu	oz/T. Au	oz/T. Au
ORIGINAL SHOWING 137	.22	.50	.40	.152
1980 TRENCHING 155	1.8	2.95	.91	.063
156	.6	3.02	1.28	.325
1981 TRENCHING 4	2.5	4.45	1.49	.512
6	1.8	2.85	.92	.394
7	1.8	3.16	.88	.084
8	2.5	2.54	1.18	.536
9	2.5	4.80	1.64	.076
(CROSS-VEIN) 5	.20	12.50	3.92	1.200
SILICIFIED TUFF 11	2.0	1.01	.40	.140
ALONG FAULT 53	2.5	2.75	1.12	.071

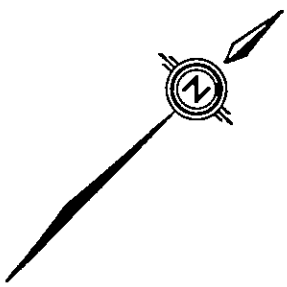
SAMPLES 4, 6, 7, 8, 9 AND 53 AND 156 ARE MOSTLY MASSIVE PYRITE WITH UP TO 30% SILICIFIED TUFF.

SAMPLE 5 IS A CROSSVEIN HIGH IN Cp, LOW IN PYRITE

SAMPLE 155 IS MOSTLY CHLORITIZED TUFF WITH ABUNDANT 1-3 mm PYRITE CUBES AND CHALCOPYRITE

TO TOE 81-7

1980 TRENCHES



SKYLINE EXPLORATIONS LTD.

REG 3 104-B-II-E/2

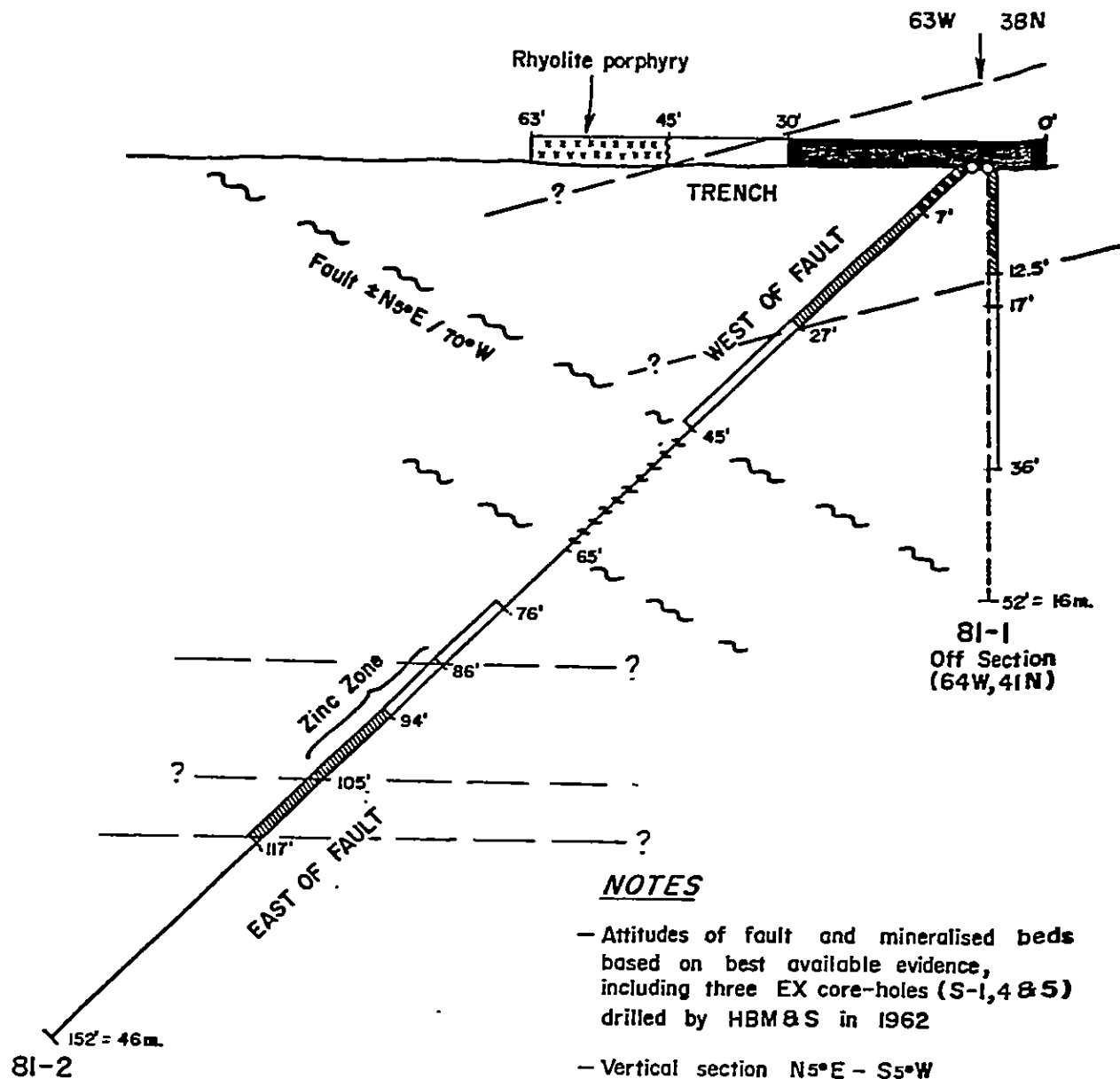
LIARD M.D., B.C.

P-12 TRENCH, 1980 & 1981
SAMPLING & DRILLING

0 2 33 FT.
0 5 10 m.

Date November 1981

Fig 8



NOTES

- Attitudes of fault and mineralised beds based on best available evidence, including three EX core-holes (S-1, 4 & 5) drilled by HBM&S in 1962
- Vertical section N5°E - S5°W
- Both holes in tuff and breccia only

AVERAGES

		FEET	METRES	Cu%	oz / T Ag	oz / T Au		
TRENCH	0'-30'	30'	9	5.4	4.00	.28		
	30'-45'	15'	4.5	1.6	1.33	.009		
	0'-45'	45'	13.5	4.1	3.1	.20		
	45'-63'	18'	5.5	.13	.30	.004		
AT COLLAR 81-2				9.05	4.64	.732		
81-1	0'-17'	17'	5.2	.98	.73	.019		
	50'-52'			F A U L T				
81-2 (TRENCH)	3'	0.9	9.05	4.64	.732			
	0'-27'	27'	8.2	2.74	2.47	.072		
	-3'-27'	30'	9.1	3.37	2.69	.138		
	45'-65.5'	20.5'	8.3	FAULT, NO CORE				
	86'-105'	19'	5.8	.61	.35	.015	% Pb	% Zn
						.03	4.02	

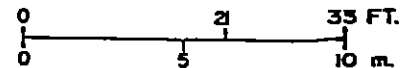
LEGEND

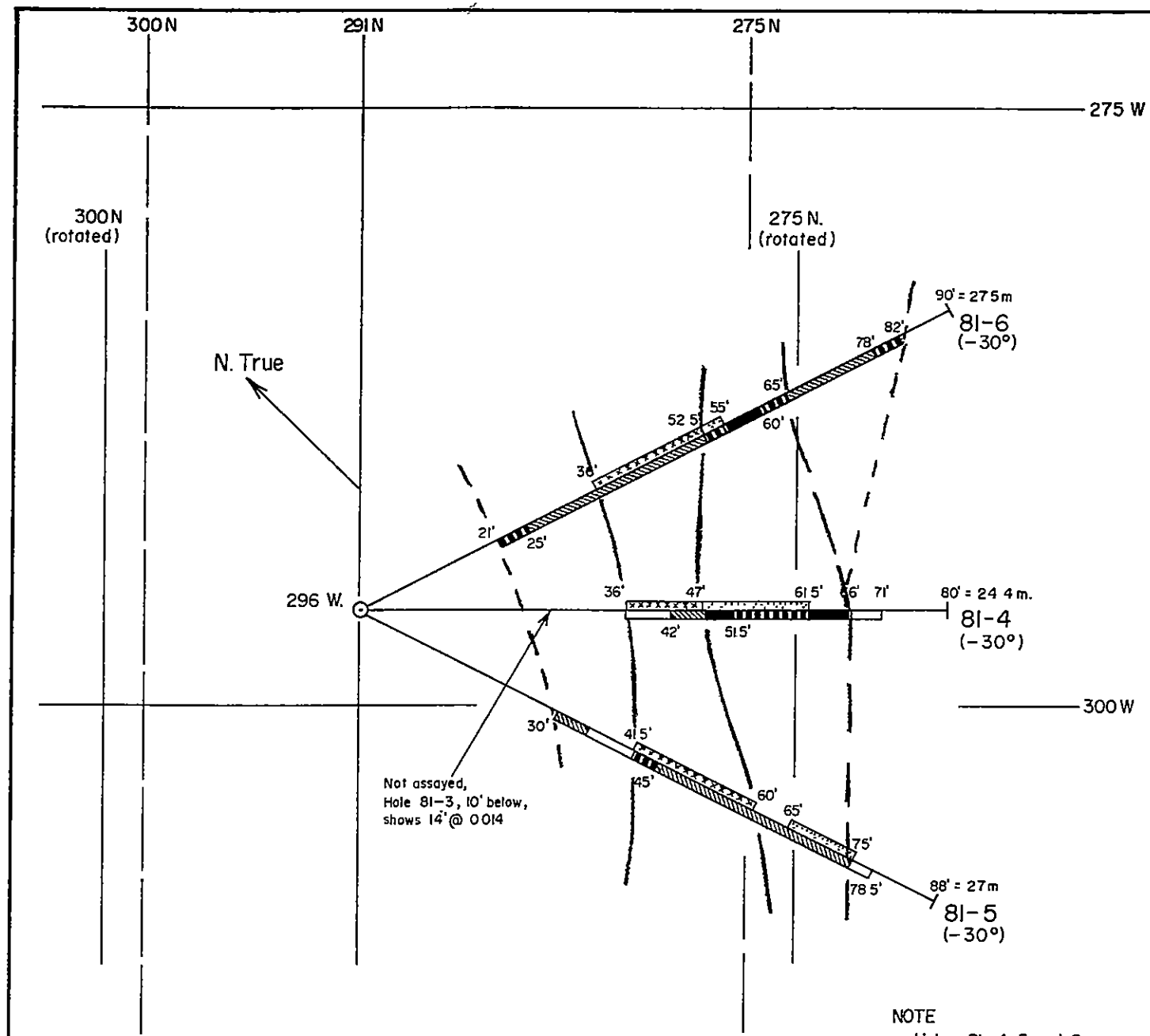
- ▬ .10 - .25
- ▬ > .25oz / T Au
- ▬ .01 - .10
- ▬ < .01

SKYLINE EXPLORATIONS LTD.

REG 4,104-B-II-E/2
LIARD M.D., B.C.

1981 CORE-DRILLING
PICK-AXE ZONE (P-1)





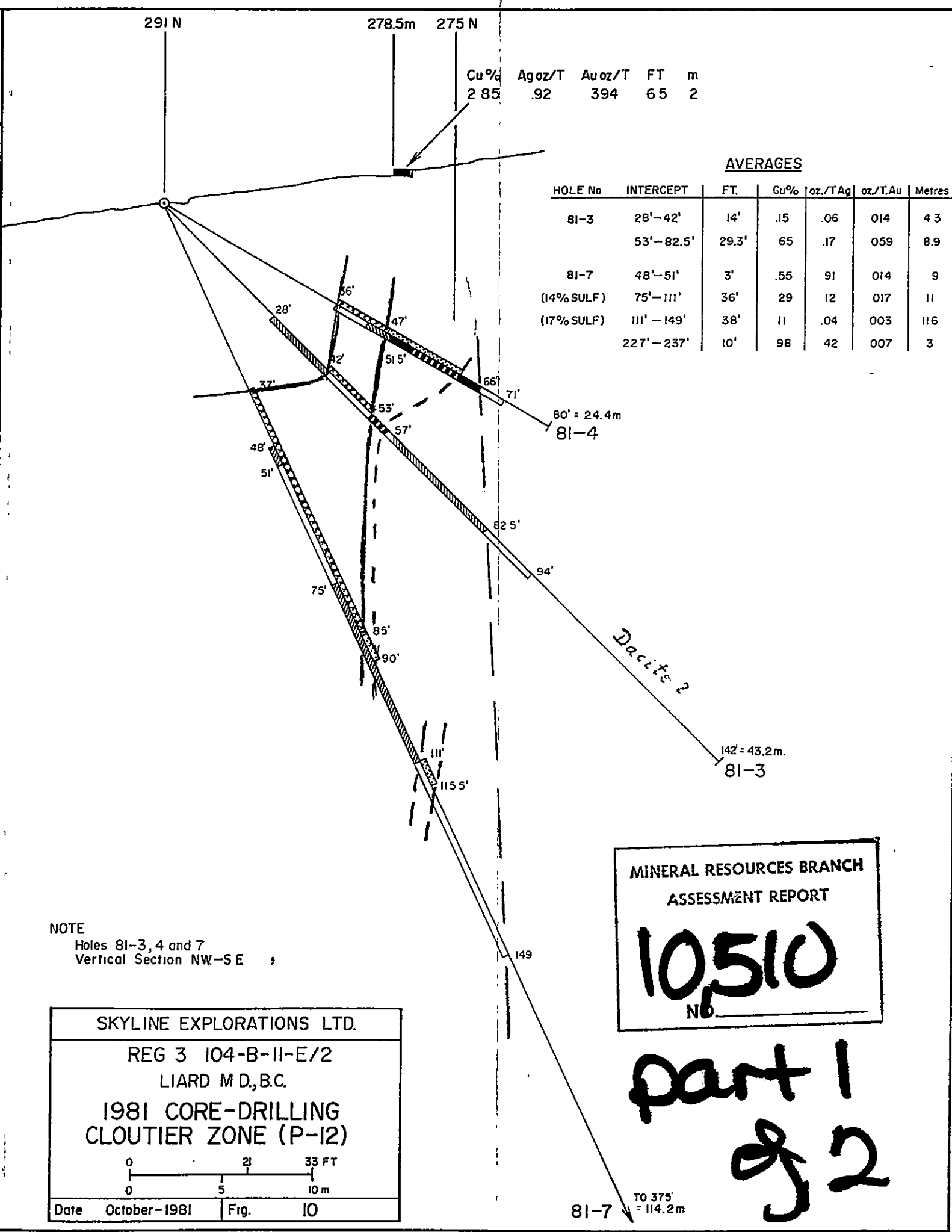
Not assayed,
Hole 81-3, 10' below,
shows 14' @ 0014

NOTE
Holes 81-4, 5 and 6.
Plane at -30°, rotated
to the horizontal!

- █ > .25 oz/T Au
- ▒ .10 - .25
- ▓ .01 - .10
- < .01
- Breccia, tuff
- ▨ Rhyolite
- ▤ 30-80% Sulfides

AVERAGES

HOLE No	INTERCEPT	FT.	Cu %	oz/T Ag	oz/T Au	Metres
81-6	52.5' - 65'	12.5'	.75	48	.464	3.8
81-4	47' - 66'	19.0'	1.80	.66	.265	5.8
81-5	60' - 75'	15.0'	1.68	.33	.068	4.6
81-6	21' - 82'	61.0'	.19	.15	.128	18.5
SULFIDES (30 - 80%)						
81-6	52.5' - 55'	2.5'	3.54	1.02	.164	8
81-4	47' - 61.5'	14.5'	2.38	.60	.263	4.4
81-5	65' - 75'	10.0'	2.30	.41	.065	3.1



Cu%	Ag oz/T	Au oz/T	FT	m
2.85	.92	3.94	65	2

AVERAGES

HOLE No	INTERCEPT	FT.	Cu%	oz./T Ag	oz./T Au	Metres
81-3	28' - 42'	14'	.15	.06	.014	4.3
	53' - 82.5'	29.3'	65	.17	.059	8.9
81-7	48' - 51'	3'	.55	.91	.014	9
	(14% SULF)	75' - 111'	36'	.29	.12	.017
(17% SULF)	111' - 149'	38'	.11	.04	.003	11.6
	227' - 237'	10'	.98	.42	.007	3

NOTE
Holes 81-3, 4 and 7
Vertical Section NW-SE

SKYLINE EXPLORATIONS LTD.
REG 3 104-B-11-E/2
LIARD M.D., B.C.
1981 CORE-DRILLING
CLOUTIER ZONE (P-12)

0 2 33 FT
0 5 10 m

Date October-1981 Fig. 10

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10510
No.

part 1
92

81-7 To 375' = 114.2m

Diamond Drill Geological Log
P.H. SEVENSMA CONSULTANTS LTD.
715 - 850 West Hastings St., Vancouver 1, B.C.

Skyline Explorations Ltd.

COMPANY

Objective: Pick Axe Zone Drilling Started: Drilling Completed: 26 July 1981

Logged by: P.H. Sevensma Date: Samples Submitted to: (Lab.)-Date:

Lat.: 41N Long.: 64 W Place: Pick Axe Trench App. Bear: N 50° E App. Dip.: -87° Length: 52'

From	To	Length	Recov.	Remarks:
0	10	10'	10'	Normal fragmental tuffs, very indistinct banding (30°-40°), some 1/8" veinlets Pyt. Cp. & 1/4" Cp. & Qtz.
10	12.5	2.5'	1'	60% sulphide band, definitely at ± 45°
12.5	22	9.5'	9.5'	Very vaguely banded (30°-45°?) fragmental tuff. Hairline fractures CP, and/or Py, crosscutting sulphide content diminishing. Also may be 2-3% dissem. Py.
				Bands of more concentrated sulphides 1/4" to 1".
22	26	4'	4'	Same fragmental tuff, but fragments increasing (mostly 1/8") in size; angular, white 25.5" - 26", 30% Py (+ Cp) in band about 3" wide. 26' - assay boundary?
				Bands clearly at 45°. At 25'-26', good Cp.
26'	52'	26'	95	Size and abundance of fragments in grey tuff increasing gradually.
				Banding (= bedding) clearly at 45°.
				Sulphides gradually to less than 1% disseminated.
	52'			Mud, 51' - 52' core broken. Entering fault. 1' core oxidized fractures // core.
	52'			END OF HOLE.

Property: REG 4

Hole No.: 81-1

Core Size: BQ

Diamond Drill Geological Log
P.H. SEVENSMA CONSULTANTS LTD.
715 - 850 West Hastings St., Vancouver 1, B.C.

COMPANY

Skyline Explorations Ltd.

Objective: Pick Axe sulphide showing: grade, extent

Drilling Started: July 26, 1981

Drilling Completed: Aug. 5, 1981

Logged by: P.H. Sevensma

Date: Aug 4-6, 1981

Samples Submitted to:

(Lab.)-Date:

Lat.: 38N	Long.: 63W	Place: Pick Axe Trench	App. Bear.: N6°E	App. Dip.: -45°	Length: 156'
--------------	---------------	---------------------------	---------------------	--------------------	-----------------

From	To	Length	Recov.	Remarks:
0	2.5	2.5	0	No core, but started in near-massive high grade
2.5	7.0	4.5	100%	Estimate 75% Py and Cp. Faint banding at about 35° to core, to 45°
				Last 5" white qtz. veining in dark grey tuff, at 45° to core (no sulphides)
				Grey silicification in places.
7.0	12.0			Narrow bands (1/16-1") of Py and/or Cp in grey fine fragmental tuff.
				Banding at ± 45°. Fragments 1/16-1/8" mostly; rounded, sometimes aligned.
12.0	17.0			Same as 7.0-12.0, but more Cp and Py.
17.0	22.0			Same as 12-17, but some high Cp zones. 20.5 - 21.5 especially.
22.0	27.0			Same as 17-20 but especially good 24-25; (Py), 25-26 (Cp).
27.0	30.0			Same, but banding, if any, very patch and irregular
				At 30, about 5" of high Cp, as last high grade zone.
30.0	38.0			Dark tuff, only occasional fragments. Bands of 1-2 mm pyrite at ± 45°, but very irregular.
				Very definitely a different bed.
38.0	41.0			Dark rocks looks breccious and jumbled. Estimate ± 6% Py, patchy.
41.0				Good contact at 40° against light grey tuff.
41.0	45.5			Breccious grey tock. 43-44. Good Py ± 60%, some Cp.
				At 45.5, start of broken core to no core = major fault, giving abundant water and draining water from the collar of Sell No. 5.
45.5	65.5	20'	1'	Fault zone strong water flow (± 20 gallons minute?)
				Only 1' of ± 1" buttons
65.5	76	10.5		Fragmental, increasing in size with depth, up to 1" size moslty - Foliation 45°
76.0	94.5	18.5		Foliation at about 45°. Sulphide increasing from 76' on.
				Visible Cp and sphalerite

Property: Reg 4

Hole No.: 81-2

Core Size: BQ

Diamond Drill Geological Log
 P.H. SEVENS CONSULTANTS LTD.
 715 - 850 West Hastings St., Vancouver 1, B.C.

COMPANY

Skyline Explorations Ltd.

Objective: Pick Axe sulphide showing: Grade and extent

Drilling Started: 26 July/81

Drilling Completed: August 5/81

Logged by: P.H. Sevensma

Date: Aug 4-6 1981

Samples Submitted to:

(Lab.)-Date:

Lat.:	38N	Long.:	63W	Place:	Pick Axe Trench	App.Bear.:	N6°E	App.Dip.:	-45°	Length:	156'
-------	-----	--------	-----	--------	-----------------	------------	------	-----------	------	---------	------

From	To	Length	Recov.	Remarks:
94.5	105.5	11'		V. good sulphides, + 50-60%: Cp, Zn.
				Last footage (103-105.5) badly broken by fractures, only about 8" of core.
105.5	107	1.5'	0.5'	Badly fractured, rusty fractures, subparallel to core.
107	110	3.0	2.0	Still rust fractures - little core
110	116	6.0	5'	Mineralization dying out in the fragmentals
116	156	40.0	40'	Coarse fragmental, 1/2" to 1" fragments, quite tightly packed.
				Very massive long core, but still definite foliation and alignment along it
				of the smaller (1/16 - 1/8") fragments
				Occasional veinlets of pyrite, or of quartz and pyrite (1/16" - 1/4" wide)
156				END OF HOLE.

Property: Reg-4

Hole No.: 81-2

Core Size:

Diamond Drill Geological Log
P.H. SEVENSMA CONSULTANTS LTD.
715 - 850 West Hastings St., Vancouver 1, B.C.

COMPANY

Skyline Explorations Ltd.

Objective: P-12 Zone Drilling Started: Drilling Completed: August 10, 1981

Logged by: P.H. Sevensma Date: Aug. 9, 1981 Samples Submitted to: Acme Analytical Lab (Lab.) - Date: Aug. 14, 1981

Lat.: 291 N Long.: 296W Place: Below P-12 Trench, 8 m - surface sample mark App. Bear.: S45°E App. Dip.: -45° Length: 142'

From	To	Length	Recov.	Remarks:
0	27	27	26'	Irregular, mostly coarse fragmental, some sections no fragments for a couple of feet with hard fine-grained siliceous matrix, some matrix dark grey and soft. Abundant fragments about 1", some 2 or 3". Most fragments are rhyolite and very hard, and are more or less elongated but rounded to sub-angular. There are many small (say 4"-8") foliated sections, mostly at 40°-50°. There is very little Py, maybe 1-2% mostly in small lenses along the foliation. Pyrite along foliations starts to develop occasionally from 26' on.
27	28	1'	1'	Hard, cherty, slightly foliated at 45°.
28	32	4'	4'	Same, fragmental, but patchy pyrite rapidly increases in the hard siliceous parts up to 15% over a few inches.
37	42	10'	9'	Well pyritized in irregular patches. Some sections hard and little pyrite. 32-33'. Pebbles only. Looks low grade, little Cp. maybe some sphalerite.
42	53	11'	11'	Very hard "cherty" rhyolite porphyry, occasionally foliated (45°) Feldspar crystals very uniform at about 2 mm in a light grey matrix. No pyrite. Contact at 53' marked by olive-colored clay. Small fault?
53	57	4'	4'	Variable pyrite, quite patchy, siliceous, but no more feldspars. Foliation still ±45°. Rock looks silicified by a late process, but only occasional 3-4 mm quartz veinlets.
57	82	25'	25'	Rock is from dark to light, variously foliated at about 45° and variously silicified and pyritized from 6"-8" near massive bands to narrow bands (2 mm) to patches. Chalcopyrite is also highly variable, say 2"-4" running an estimated 5-10% Cu to patches, veinlets and narrow bands (1/8" - 1/4") in the foliation.
				See assay report.
				Property: Reg-3
				Hole No.: 81-3
				Core Size: BQ

Objective: P-12 Zone Drilling Started: Drilling Completed: 10 Aug/81

Logged by: P.H. Sevensma Date: 9 Aug/81 Samples Submitted to: Acme An. Lab. (Lab.)-Date: 14 Aug/81

Lat.: 291 N Long.: 296W Place: Below P-12 Trench, 8 m. Surface sample mark App. Bear.: S45°E App. Dip.: -45° Length: 142'

From	To	Length	Recov.	Remarks:
57	82.5	continued		Silicification and high Cp go mostly together
				80.5-81.5 massive Py band and Cp at 45° to core
				Mineralization in general very patchy.
82.5	85	2.5	2.5	Mineralization fades out.
85	93.5	8.5	8.5	Good foliation, many small (1/16 - 1/2") fragments of a chloritic rock. Could be a significant marker bed. Foliation at 50°. Pyrite diminishing rapidly.
93.5	104	10.5	10.5	Dark porphyritic rock, with feldspar crystals ± 1/16 - 1/8", and scattered fragments up to 1/2". Foliation quite clear in some places at 50°. Porphyritic tuff.
104	128	24'	24'	Now light grey hard rock with gradational bands of darker material and some brown chloritic fragments, and "veins" or patches of silicification. Some very good foliation at 45° in some sections. Pyrite only about 1%.
128	142	14	14	Now more rhyolitic and occasional rhyolite porphyry with 1-2 mm feldspars. Easy drilling - 'soft' formation. Overall py about 1-2%. Occasional little splotch of py 1/8" - 1/4" wide. No foliation of any significance. Good drilling; could be defined all as dacite porphyry.
142				END OF HOLE

Property: Reg-3
 Hole No.: 81-3
 Core Size: BQ

Objective: _____ Drilling Started: _____ Drilling Completed: _____

Logged by: P.H. Sevensma Date: 28 Aug/81 Samples Submitted to: _____ (Lab.)-Date: _____

Lat.: 291N Long.: 296W Place: Below P-12 trench at 278N App. Bear.: S45°E App. Dip.: -30° Length: 80'

From Ft.	To Ft.	Length Ft.	Recov. %	Remarks:
0	20	20	95	Lost 0-1'. Foliated tuff, occas. porphyritic with 1-2mm white feldspar. Foliation at $\pm 45^\circ$. Sections of it like coarse breccia; some sections very hard like rhyolite. Other times, feldspars in chloritic big (2"-4"?) fragments within the breccia. V. low Py; first 1/4" vein @ 18'. Overall py may be 2%, 18'-19': 6" of chloritic fragments in tuff. Py zone and vuggy silicification. Could be a major contact; also seen in core-hole 81-6, but at $\pm 38.5'$ in rhyolite porphyry.
20	36	16	100	Irreg. breccia with heavily chloritized fragments (black) especially 20-22'. First py is in first 8" of section. Occas. good foliation at $45^\circ - 60^\circ$, but mostly quite indistinct and variable. Often looks like pervasive silicification or even chert, or rhyolite. Bottom 6" especially hard and siliceous and increasing py from 34.5' on. Some good cp veinlets 1/8" at 35.5', but not split.
36	36.3	3	100	Mass. 2" py band) at 85°
36	47	11	100	Sulphides increasing in black chloritic rhyolite 6" mass Py at 43' at $\pm 70^\circ$. Overall rock hard and siliceous and hard to drill. Overall sulphide increasing from 5% to about 15-20% in last 5'. Start of main sulphide zone definitely at 35.5'. Foliation mostly $60-70^\circ$.
47	55.5	8.5	100	Averaging about 45% sulphides. Some very high/ ^{gr} at 51.5' and at 55.5', with Cp throughout most of the section.
55.5	57.5	2.0	100	Took one foot of this massive hi grade section as specimen to Vancouver. Estimate 10% Cu, total sulphides 80%. Foliation 30° ?
57.5	61.5	4	100	Sulphides $\pm 15\%$. Rhyolite or silicified. Foliation obscure. 40° ?
61.5	66.0	4.5	100	Sulphides $\pm 10\%$ Silicified tuffs. Weak flotation, $35-40^\circ$
66.0	71.0	5.0	100	Sulphides $\pm 3\%$, Foliation indistinct at $\pm 40-50^\circ$,
71.0	78.0	7.0	100	Minor chlorite - fragmental foliation 45°
78	80.0	2.0	80	Double set of fractures at right angle (80°) both at 35° to core. A third one at 20° to core, and at 50° and 45° to the two others. Hard rhyolite rock. Minor Cp in one fracture $80'$. END OF HOLE

Property: Reg 3 P-12 area
 Hole No.: 81-4
 Core Size: B.Q. Page 1

Diamond Drill Geological Log
P.H. SEVENSMA CONSULTANTS LTD.
715 - 850 West Hastings St., Vancouver 1, B.C.

SKYLINE EXPLORATIONS, LTD.

COMPANY

Objective: P-12 Drilling Started: Drilling Completed: August 20, 1981

Logged by: P.H. Sevensma Date: 23 August 1981 Samples Submitted to: (Lab.)-Date:

Lat.: 291N	Long.: 296W	Place: P-12 Set up	App.Bear.: S 20° E	App.Dip.: -30°	Length: 88'
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From Ft.	To Ft.	Length Ft.	Recov. %	Remarks:
0	30	30	100	Hard siliceous Bxa to tuff, some rhyolite with irreg. bands and splotches of somewhat chloritic tuff with 1-3mm fragments and/or crystals; some sections are more like breccia with fragments up to 3 cm. Foliation variable from $\pm 40^\circ$ to $\pm 65^\circ$. Some small quartz veins with dark green chlorite. Py increases from $\pm 1\%$ to $\pm 3\%$ starting at about 20'. Py appears in what looks like a green-grey matrix of breccia fragments up to 1"-2" size.
30	35	5	100	About same, assaying appears justified.
35	40	5	90	Bands of 1" - 2" of 50-70% sulphides start appearing; low in Cpy
40	45	5	100	Increase in Py and silicification, very splotchy Py and in veinlets in very siliceous rhyolitic rock; much less chloritic material. Py 15-20%.
45	60	15	100	Variable Py, also chlorite. Average Py $\pm 10-15\%$. Low in Cp. Rhyolite, some breccia.
60	65	5	100	Py increasing, some good Cpy. Estimate 20% Py overall
65	69	4	100	Some 2" bands high in Cp, low in Py. Overall $\pm 30\%$ sulph.
69	75	6	65	69-70' massive 75% sulphides, high Cp.
				70-72' about 14" of core. Olive colored clay at 72' (small fault. Same as in previous hole at). Half is near-massive sulphide, rest hard rhyolite.
				72' - 72.5' 80% sulph, lower in Cp. Note; At 72', also some massive Cp veinlets at 80°.
				72.5 - 75' 1½' of core Sulp average $\pm 20\%$ (from 0-50%!) Low Cp.
75	76	1		Hard rhyolite
76	88	12		Typical foliated, irreg. fine breccia with 1/16" - 1/4" light green chlorite fragments (see Hole 4)
				Foliation vague - 45-60°, 1/16" qtz. veining sparse 2-3% Py
		88		END OF HOLE

Property: Reg 3
Hole No.: 81-5
Core Size: BQ Page 1

Diamond Drill Geological Log
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COMPANY

SKYLINE EXPLORATIONS LTD.

Objective: P-12 Zone Drilling Started: 25 Aug/81 Drilling Completed: 26 Aug/81

Logged by: P.H. Sevensma Date: 27 Aug/81 Samples Submitted to: Acme Anal. Lab. (Lab.)-Date:

Lat.: 291N Long.: 296W Place: P-12 Set Up App.Bear.: S75°E App.Dip.: -30° Length: 90'

From Ft.	To Ft.	Length Ft.	Recov. %	Remarks:
0	21	19	90	V-irregular tuff to c.gr. breccia, foliation good to indistinct, at 40°, down to 30°. Blackish chloritization sometimes in fragments, sometimes in matrix. Occasional 1/16-1/4" Py veining some areas appear silicified, but could be fragments. Core-loss is at start, 0-2' only a few chips.
21	25	4	100	Chloritization, irreg. bands and splotches of Py, total sulphides 10-12%
25	27	2	50	Chips - No evidence of faulting
27	36	9	100	About as 0-21. Irreg chloritization. Foliation 35°. Overall Py 4%.
36	45	9	100	Rhyolite porphyry. 38½ - 39; 1/4" drusy qtz. veining at 40°. Occas. minor Cp towards 45'. Some Py coming in.
45	52.5	7.5	100	Pyritized and silicified tuff. No good foliation. Overall Py: ± 15% (from 2-30%).
52.5	55	2.5	100	Hi grade Py + Cp, 80%. Foliation 40°. 1-5 mm spots of black chlorite.
55	65	10	100	Foliated tuff, some siliceous or rhyolitic areas, indistinct boundaries. Foliation 35-40°. Very siliceous last foot. To 60': 10% Py, 60-65: 6% Py.
65	76	11	100	Typical chlorite - fragmental, with siliceous to rhyolitic to tuffaceous sections 65-66'. Looks like rhyolite separating a 4" portion of the chlorite fragmental qtz veins 1/8 - 1/2" coming and going, as well as pyritization.
76	77	1	100	Qtz + Py veining at 20%
77	78			Chlorite fragments dying out.
78	90	12	100	Mixed bag of foliated tuff, porphyritic (2-3mm feldspars) "tuff" and some chlorite fragmental and occasional 1 - 3" zones of pyritization Overall Py ± 3%
90				END OF HOLE
				SUMMARY: Most boundaries indistinct. Pyritization more extensive but much lighter than in previous core holes.

Property: Reg 3, P-12

Hole No.: 81-6

Core Size: BQ

Diamond Drill Geological Log
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SKYLINE EXPLORATIONS LTD.

Objective: _____ Drilling Started: Aug. 26, 1981 Drilling Completed: Sept. 4, 1981
Logged by: P.H. Sevensma Date: August 31, 1981 Samples Submitted to: _____ (Lab.)-Date: _____

Lat.: 291N Long.: 296W Place: P-12 App. Bgar.: S45° E App. Dip. δ: -65° Length: 375'

From Ft.	To Ft.	Length Ft.	Recov. %	Remarks:
0	10.5	10.5	90	First foot of core missing to broken. Rest 100% recovery Normal tuff as in HBMS holes. Foliation vague, from 50° -75°
10.5	15	4.5	100	Mixed tuff & breccia
15	35	20	100	G. breccia. Some foliation at about 60°
35	36	1	100	Rhyolite
36	37	1	100	Breccia
37	48	11	100	Dacite; softer than rhyolite. Is porphyritic. Also minute specks of chloritized dark mineral Foliation clear at 75°
48	51	3	100	Dacite with 1/32 - 1/8" veinlets of Cp, some with Py. Mostly at 45°, at base (51') one 1/4" py band at 90°. Dacite somewhat bleached (silicified)
51	85	34	95	Dacite, irreg. patches and veinlets of Py, occas. Cp. NOTE: 70-84 Some core short 4" near-mass. Py band from 70.6' to 71', at 65° 71-76, probably 2" 40% Py from 78-78.5, at 30°. Scattered Cp 80'-85' lost in sulphide 70.5-72
85	90	5	100	Sharp contact at 40° to ± 2' sulfide band, about 50% sulphides, good Cp, & some Qtz & calcite for 6". Rest about 20% Py. Chloritization and silicification well marked.
90	95	5	100	About 10-15% heavily dissem. Py to patches of Py. Dacite, some breccia.
95	100	5	100	About 5% sulphide. Breccia starts at 97'.
100	106	5	100	About 40% sulphide from 102.5'-104.5', rest about 15%. Some good banding at 40°.
106	111	6	100	Some good banding at 60°. Scattered patchy veinlets up to 1/4" of Cp. Overall sulphides about 10% in breccia.
111	115.5	4.5	90	Rapidly increasing to massive Py, vuggy in places About 6" core short. Overall sulphide about 80% Banding indistinct at about 50-60°. Py up to 5mm coarse Some Cp visible. Vugging in places.

Property: Reg 3-P-12
Hole No.: 81-7
Core Size: BQ Page 1

Objective: _____ Drilling Started: _____ Drilling Completed: _____

Logged by: _____ Date: _____ Samples Submitted to: _____ (Lab.)-Date: _____

Lat.: _____ Long.: _____ Place: _____ App.Bear.: _____ App.Dip.: _____ Length: _____

From Ft	To Ft	Length Ft	Recov. %	Remarks:
115.5	126	10.5	100	Breccia, 5-8% Sulfides. Foliation and banding variable, 40°-70° Breccia is with fine fragments; passes into silicified tuff. Chloritization pronounced.
126	131.5	5.5	100	Silicified and chloritized breccia to tuff. About 25% sulfides, coarse in quartz sections Some good foliation to banding at 65°, but variable 45°-70°. Chloritization strong.
131.5	145.5	14	100	Silicified tuff. Foliation from 45° to 65°. In general intense chloritization. Sulfides variable: 131.5-136, 10%. 136-141, 6%. 141-145.5, 3.5% Foliation mostly 65°-70°.
145.5	149	3.5	100	Tuff fades out, dacite starts. Sulfides 9%. End of sampling.
149	150	1	100	Some Breccia
150	227	77	100	Hard dacite to rhyolite, often finely porphyritic. Some foliation (at 165', 60°) 1/8" py veinlets, irreg., in places only, tend to be at 70° to core, often crossing foliation Same for 1/8" Qtz. veinlets, averaging 3 or 4 per foot of core. Minor foliations + 60° Especially hard, silicified looking (≈rhyolite) 193'-227'. Mismatch 203'
227	229.5	2.5	95	More pyrite coming in.
229.5	234.5	5.0	100	Veinlets and blebs of Cp in rhyolite, also Py.
234.5	237	2.5	95	2 streaks + mass Py+Cp, 3" at 235. 6" 30% Py+Cp: 236'-236.5' Mismatch at 236, some core lost. 237 End of visible Cp.
237	249	12	100	Rapid but gradual change to coarse BXA. Small 4" silicified zone & some Py at 246'
249	319	70	100	C. BxA Foliation quite clear, 75°-85° to core
319	339	20	100	Fine BXA, some tuff, last foot tuff
339	342	3	100	Irreg. Py banded tuff, + at 90°, estimate 20-25% Py, Minor Cp
342	375	32	100	C. to F. BXA, parts tuffaceous. Foliation very vague, + 60°?
	375			End of hole. Some foliation distinct at 50°

Property: Reg. P-12
Hole No.: 81-7
Core Size: BQ Page 2

ASSAY — LOG

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Vancouver, B.C.

Property : Reg 4
Pick Axe

Sample no.	From	To	Length	Rec. %	Rock type	Cu	Pb	Zn	Ag	Au	
17	0'	7'	7'	4.5'	75% Py & Cp	7.10	.03	.08	6.59	.216	
18	7'	12'	5'	5'	Tuff & minor Py Cp	.88	-	-	.53	.024	
19	12'	17'	5'	5'	Tuff & minor Py Cp	1.49	-	-	1.13	.042	
20	17'	22'	5'	5'	Tuff & minor Py Cp	.85	-	-	.77	.008	
21	22'	27'	5'	5'	Tuff & minor Py Cp	1.65	.03	.10	1.69	.014	
22	27'	30'	3'	3'	Tuff & minor Py Cp	.82	-	-	.60	.008	
23	30'	35'	5'	5'	Dark tuff, little min.	.76	-	-	.54	.006	
24	35'	40'	5'	5'	Dark tuff, little min.	.11	-	-	.18	.001	
25	40'	45.5'	5.5'		At 41, light tuffs	.34	-	-	.18	.001	
	45'	65.5'			Fault Zone						
26	76'	81'	5'		Tuff, minor Zn, brn	.15	.03	.25	.08	.001	
27	81'	86'	5'		Tuff, minor Zn, brn	.01	.01	.14	.03	.001	
28	86'	91'	5'		Tuff, low grade	.09	.01	2.26	.08	.001	
29	91'	94'	3'		Tuff, V. low grade	.02	.01	2.49	.09	.001	
30	94'	99'	5'		Tuff, 50% Py, Cp, Zn	.91	.07	7.68	.75	.034	
31	99'	105'	6'			1.09	.02	3.20	.37	.017	
35	105'	112'	7'		Tuff, some sulfide	.21	.01	.37	.06	.021	
36	112'	117'	5'		Tuff, some sulfide	.04	-	-	.02	.011	
37	135'	140'	5'		Tuff, some sulfide	.01	-	-	.01	.001	
AVERAGES											
Add	-3'	0'	3'	In trench	Above collar	9.05			4.64	0.732	
	0'	27'	27'			2.74			2.47	.072	
	-3'	27'	30'			3.37			2.69	.138	
	86'	105'	19'			.61	.03	4.02	.35	.015	

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409 — 837 W. Hastings St.
Vancouver, B.C.

Property : Reg 3
P-12

Sample no.	From	To	Length	Rec. %	Rock type	Cu	Pb	Zn	Ag	Au
-	0'	28'	28'		C Fragm, 1-2% Py					
54	28'	32'	4'		Fragm, 5-10% Py	.01	-	-	.01	.012
55	32'	36'	4'		Fragm, 5-10% Py	.01	.01	.02	.06	.022
56	36'	42'	6'		Fragm, 5-10% Py	.33	.01	.01	.09	.011
57	42'	47'	5'		Rhyolitic porphyry	.01	-	-	.01	.001
58	47'	53'	6'		Rhyolitic porphyry	.04	-	-	.01	.004
59	53'	57'	4'		Py & Cp, Start m. zone	.16	.01	.03	.12	.128
60	57'	62'	5'		Est. 15-20% Py	.28	.01	.01	.13	.015
61	62'	67'	5'		Est. 15-20% Py	.55	.01	.01	.15	.086
62	67'	72.5'	5.5'		Est. 15-20% Py	.22	.01	.01	.17	.062
63	72.5'	77.5'	5'		Est. 15-20% Py	.89	.01	.02	.25	.053
64	77.5'	82.5'	5'		End Main Zone Py&Cp	.96	.01	.01	.17	.022
65	82.5'	87'	4.5'		Fragm, 2-5% Py	.03	.01	.01	.06	.006
66	87'	92'	5'		Fragm, 1-3% Py	.01	-	-	.02	.004
67	92'	94'	2'		Fragm, 1% Py	.15	-	-	.05	.001
-	94'	142'	48'		Tuff, < 1% Py					
Average	53'	82.5'	29.5'			.65	.01	.01	.17	.059
		142'			End of Hole					
	28'	42'	14'			.15	.01	.01	.06	.014

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Property: Reg 3
P-12

Sample no.	Feet		Length	Rec. %	Rock type	% Sulph.	% Cu	% Pb	% Zn	Oz/T Ag	Oz/T Au
	From	To									
	0	36	36	97	Breccia	1.5					
71	36	42	6	100	Chloritic rhyolite	5	.08	-	-	.05	.001
72	42	47	5	100	Chloritic rhyolite	17	.08	.02	.05	.11	.052
73	47	51.5	4.5	100	Sulphides	45	.72	.01	.03	.21	.524
74	51.5	55.5	4	100	Sulphides	45	1.54	.01	.04	.33	.114
219	55.5	56.5	1	100	Sulphides	75	10.10	.02	.09	2.23	.232
75	56.5	57.5	1	100	Sulphides	75	9.16	.01	.02	1.83	.156
76	57.5	61.5	4	100	Silicified or rhyo?	15	1.42	.01	.01	.55	.152
77	61.5	66	4.5	100	Sil. tuff	10	.16	.02	.01	.97	.292
78	66	71	5	100	Sil. tuff	3	.01	-	-	.07	.002
	71	80	9	95	Chlor fragmental & rhyolite						
		80			END OF HOLE						
Averages											
	47	66	19	100	Gold zone	33.5	1.84	.01	.03	.68	.273
	47	61.5	14.5	100	Sulphide zone	41	2.37	.01	.03	.60	.263
	51.5	61.5	10	100	Copper Zone	39	3.11	.01	.03	.76	.145

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Property: Reg 3
P-12

Sample no.	From'	To	Length	Rec. %	Rock type	% Sulfides	% Cu	Oz/T Ag	Oz/T Au		
	0'	30.0'			Siliceous tuff to breccia, chlorite matrix						
81	30.0'	35.0'	5.0'	100	Breccia	3	.01	.01	.010		
82	35.0'	41.5	6.5'	100	Breccia	5	.14	.06	.002		
83	41.5'	45.0'	3.5'	100	Silic. Rhyol.	17	.33	.52	.139		
84	45.0'	50.0'	5.0'	100	(Silic. Rhyolite	10	.01	.26	.029		
85	50.0'	55.0'	5.0'	100	(chlorite, 10% Py.	10	.02	.08	.020		
86	55.0'	60.0'	5.0'	100	(10	.01	.10	.038		
87	60.0'	65.0'	5.0'	100	20% Py, + Cp	20	.42	.19	.074		
88	65.0'	69.0'	4.0'	100	30% Sulphides	30	2.04	.43	.018		
89	69.0'	75.0'	6.0'	65	65% sulphides	65	2.48	.39	.096		
90	75.0'	78.5'	3.5'	100	Breccia	3	.14	.01	.005		
	78.5'	88.0'	9.5'	100	Breccia, + chlorite fragments ± "						
		88.0'			END OF HOLE						
<u>AVERAGES</u>											
	41.5'	45.0'	3.5'			17	.33	.52	.139		
	45.0'	60.0'	15.0'			10	.01	.15	.029		
	60.0'	75.0'	15.0'			40	1.68	.33	.068		
	or										
	65.0'	75.0'	10.0'			49	2.30	.41	.065		
	41.5	75.0	33.5			21.5	.79	.27	.058		

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COMPANY Skyline Explorations
409 — 837 W. Hastings Street
Vancouver, B.C.

Property : Reg
P-12

Sample no.	FEET		Length	Rec. %	Rock type	% Sulf	% Cu	Ag	Au		
	From	To									
	0	21	19	90	Coarse breccia						
162	21	25	4	100	Coarse breccia	11	.01	.03	.103		
163	25	30	5	80	Breccia, some rhyo.	6	.03	.02	.060		
164	30	36	6	100	Breccia, some tuff	4	.01	.01	.011		
165	36	40	4	100	Rhyolite	2	.01	.01	.043		
166	40	45	5	100	Rhyolite	3	.09	.02	.017		
167	45	49	4	100	Tuff, siliceous or Rhyo.	15	.27	.09	.025		
168	49	52.5	3.5	100	Rhyolite	15	.04	.07	.028		
169	52.5	55	2.5	100	Sulphides	80	3.54	1.02	.164		
170	55	60	5	100	Chloritized tuff	10	.10	.41	.965		
171	60	65	5	100	Chloritized tuff	6	.01	.27	.114		
172	65	70	5	100	Chlorite fragmental	6	.01	.06	.012		
173	70	75	5	100	Chlorite fragmental	3	.01	.02	.007		
174	75	78	3	100	Chlorite fragmental	5	.01	.16	.022		
175	78	82	4	100	Chlorite fragmental	4	.01	.27	.158		
	82	90	8	100	Chlorite fragmental						
	90	END OF HOLE									
AVERAGES											
	21	25	4				.01	.03	.103		
	25	52.5	27.5				.07	.03	.030		
	52.5	65	12.5				.75	.48	.464		
	65	78	13				.01	.07	.012		
	78	82	4				.01	.27	.158		
	21	82	61				.19	.15	.128		

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Property: Reg

P-12

Sample no.	FEET		Length	Rec. %	Rock type	% Sulphides	% Cu	Oz/T Ag	Oz/T Au		
	From	To									
	0	37	37	97	Breccia						
	37	48	11	100	Dacite						
179	48	51	3	100	Fine fract., Cp dacite	1.0	.55	.91	.014		
180	51	56	5	100	Dacite	3.5	.01	.01	.001		
181	56	61	5	100	Dacite	1.5	.01	.01	.001		
182	61	66	5	100	Dacite	1.5	.16	.02	.003		
183	66	70.5	4.5	100	Dacite	3.0	.14	.02	.001		
184	70.5	75	4.5	100	Dacite	8.0	.20	.08	.008		
185	75	80	5	100	Dacite	3.5	.01	.01	.012		
186	80	85	5	100	Dacite	7.0	.48	.09	.010		
187	85	90	5	100	Breccia & Dacite	35	.94	.14	.035		
188	90	95	5	100	Breccia & Dacite	20	.33	.13	.011		
189	95	100	5	100	Breccia	3	.01	.07	.005		
190	100	106	6	100	Breccia	10	.01	.29	.015		
191	106	111	5	100	Breccia	6	.28	.04	.037		
192	111	115.5	4.5	90	Breccia ?	80	.51	.07	.001		
193	115.5	121	5.5	100	Breccia	5	.01	.01	.001		
194	121	126	5	100	Breccia	8	.07	.05	.002		
195	126	131.5	5.5	100	Silicified tuff	25	.31	.07	.001		
196	131.5	136	4.5	100	Silicified tuff	10	.02	.04	.008		
197	136	141	5	100	Silicified tuff	6	.01	.04	.005		
198	141	145.5	4.5	100	tuff	3.5	.04	.03	.007		
199	145.5	149	3.5	100	tuff	9	.12	.05	.002		
	149	227	78	100	Dacite to rhyolite						
201	227	229.5	2.5	95	Rhyolite	4	.82	.84	.004		
202	229	234.5	5.5	100	Rhyolite	6	.96	.28	.008		

ASSAY — LOG

P. H. Sevensma Consultants Ltd.
715 — 850 West Hastings St., Vancouver 1, B.C.

COMPANY Skyline Explorations Ltd.

Property : Reg
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Sample no.	From	To	Length	Rec. %	Rock type	% Sulphides	% Cu	Oz/T Ag	Oz/T Au		
203	234.5	237	2.5	95	Rhyolite	7	1.01	.21	.007		
	237	339	102	100	Breccia						
204	339	342	3	100	Tuff, bedded pyrite	22	.01	.02	.001		
	342	375	33	100	Breccia						
		375			END OF HOLE						
AVERAGES :											
	48	51	3	100		1.0	.55	.91	.014		
	80	95	15	100		19	.58	.11	.019		
	95	111	16	100		6.5	.09	.14	.018		
	111	115.5	4.5	90		80	.51	.07	.001		
	80	115.5	35.5	99		24	.35	.12	.016		
	227	237	10	98		6	.98	.42	.007		
	339	342	3	100		22	.01	.02	.001		
	75	111	36	100		14	.29	.12	.017		