A SUMMARY REPORT ON THE
J & L MINERAL OPTION
LEAD-ZINC-GOLD-SILVER PROSPECT
BRITISH COLUMBIA
NTS: 82M/8E

For: Selco Division - BP Resources Canada Limited
Vancouver, BC

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BPVR 84-53

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RESUME

The J & L property, which is located some 32 km north of Revelstoke, BC, contains 6 or more arsenical lead-zinc-silver-gold zones within metasediments of the Hamill Group (Lower Cambrian).

The summary of the 1984 results is as follows:

1. The J & L occurrence still appears to be a sedex-type, arsenical deposit.

2. The J & L Main Zone massive sulphide sheet, which is hosted by isoclinally folded metasediments and sediments, has undergone a long and complex structural history with at least 5 phases of deformation. It is believed that this is a structural overprint on the sulphide system which has been controlled by the stratigraphy.

3. Surface mapping and sampling has extended the known arsenical mineralization for 1.54 km to the northwest of the 830 m level portals and is still "open" to the north. This mineralization appears to be the strike extension of the J & L Main Zone and increases the entire, observed strike length to over 3.34 km.

4. A total of 40 new arsenopyrite-pyrite (± sphalerite and galena) occurrences were located in 4 parallel sub-zones within the sericitic quartzites of the Hamill Group. The surface expression of the North Zone mineralization is relatively narrow and discontinuous, with the most significant result being 0.27% Pb, 0.09% Zn, 1.881% As, 20.8 g/t Ag and 3.1 g/t Au over an estimated true width of 2.11 metres.

5. The new drifting on the 830 m level has followed the Main Zone for, approximately, 316 m beyond the 1983 work. The development has now followed the Main Zone for 810 m, which is, at most, 43% of the down dip extension of the surface expression of the Main Zone on Goat Mountain.

6. The 1984 drifting indicated 2 separate mineralized zones with a narrower, lower grade intervening section. The weighted average grades of the drift face sampling and the short drill hole program are as follows:

   a) Zone 1: 1.61% Pb, 3.12% Zn, 4.999% As, 48.1 g/t Ag and 7.4 g/t Au over an estimated true width of 2.51 m and length of 161.663 m.

b) <u>Intervening Section:</u> 0.46% Pb, 0.80% Zn, 5.284% As, 17.0 g/t Ag and 3.4 g/t Au over an estimated true width of 1.30 m and length of 28.188 m.

c) <u>Zone 2:</u> 2.89% Pb, 5.71% Zn, 2.306% As, 55.4 g/t Ag and 3.1 g/t Au over an estimated true width of 2.37 m and length of 97.005 m (open along strike).

d) <u>Overall 1984 Drifting:</u> 1.86% Pb, 3.71% Zn, 3.839% As, 45.6 g/t Ag and 5.4 g/t Au over an estimated true width of 2.46 m and length of 291.528 m.

Since the drift did not always intersect the entire lateral extent of the Main Zone, the above results maybe, in part, misleading.

7. The tenor of the mineralization accounted for by only the short drill hole program and their corresponding drift faces is as follows:

a) <u>Zone 1:</u> 1.67% Pb, 3.11% Zn, 5.028% As, 43.6 g/t Ag and 7.3 g/t Au over an estimated true width of 4.09 m and length of 143.404 m.

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INTRODUCTION

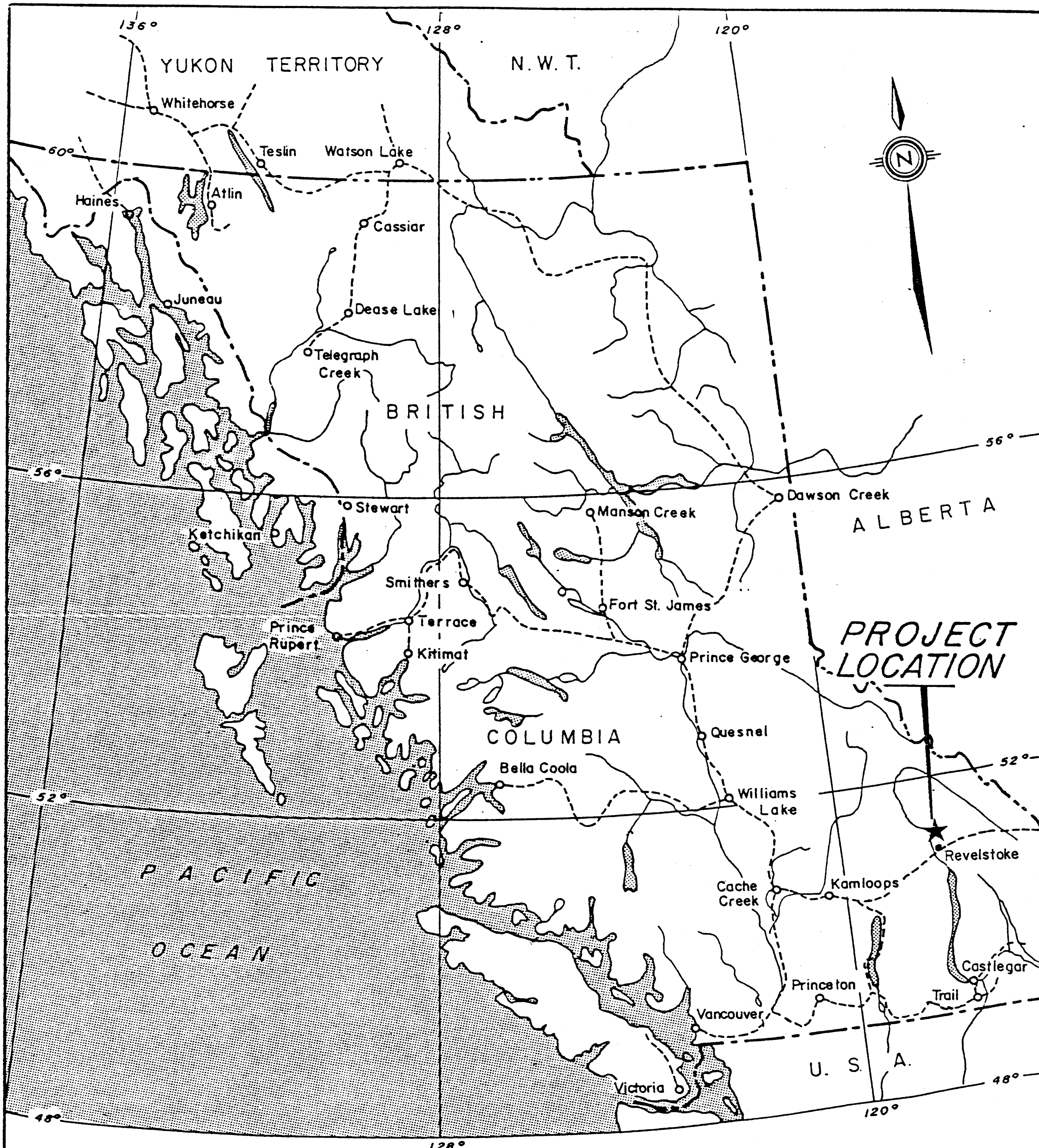
During 1984, a Selco field crew completed a geology and geochemistry surface survey of part of the project area and a detailed geological and geochemical underground study of part of the J & L Main Zone. This study including drifting along the zone, mapping and sampling of the zone and subsequent underground drilling.

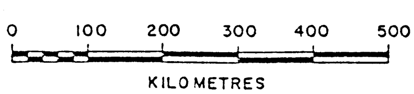
The exploration target in this area is economic arsenical lead-zinc-gold-silver, massive sulphide, mineralization.

1. Location, Access, Physiography and Climate

The property is located along and north of Carnes Creek, approximately 32 air km north of the town of Revelstoke (See Figures 1 and 2), at latitude 51°17'N and longitude 118°08'W.

Access is provided by approximately 35 km of paved road (Highway #23), and then a rough 10 km bush road to the property. Helicopter service is also available from Revelstoke. A rough 4-wheel drive road and several overgrown walking trails are found within the property.





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J & L PROJECT
LOCATION MAP

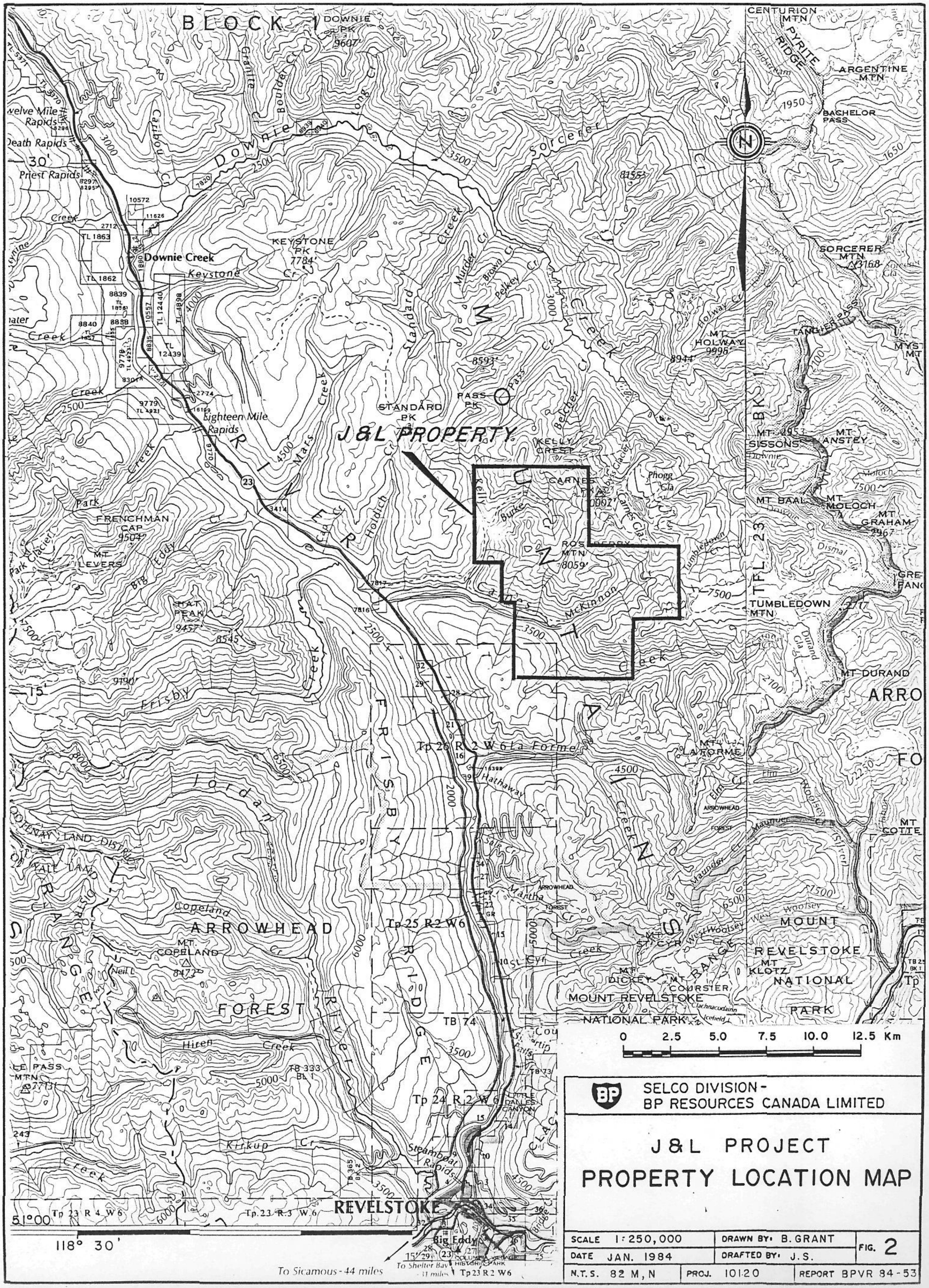
SCALE 1:1,000,000	DRAWN BY: R. PEGG	FIG. 1
DATE NOV. 1984	DRAFTED BY: J. S.	
N.T.S.	PROJ. 1012?	REPORT BPVR 84-53

Maximum relief in the area of the property is 2349 m (3050 to 701 m). The J & L adits are found at the 830 metre elevation and the 986 metre elevation respectively, and are accessible by road and/or trail. Access throughout most of the property is difficult and slow as the steep-sided valleys generally obtain slopes 30 to 40 degrees and are densely covered with rotting cedar and hemlock trees. Locally, windfall, deadfall, alders, devils club, stinging nettles and second growth are extensive. Treeline is at, approximately, the 1980 metre elevation and permanent glaciers are found above 2286 metres. The property is fairly well drained on the south and east by Carnes and McKinnon Creeks and on the west by Kelly Creek.

Climatic conditions dictate a June to October field season. The winters are long and relatively mild with snowfall of between 1 and 4 metres. The mountainous terrain results in numerous snow and earth slides. The summers "usually" have a medium rainfall and temperatures range from 16 to 30 degrees centigrade.

2. Property Status

The property consists of 10 crown granted claims and 32 claim blocks (357 mineral claim units, See Figure 3). Pivak Explorco Limited of Toronto is the owner.



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J&L PROJECT
PROPERTY LOCATION MAP

SCALE 1:250,000		DRAWN BY: B. GRANT		FIG. 2
DATE JAN. 1984		DRAFTED BY: J.S.		
N.T.S. 82 M, N	PROJ. 10120		REPORT BPVR 84-53	

The mineral claims and blocks have been placed into 5 mineral claim groups and consist of the following:

Arty #1 Group (90 Units)

Name	Record No.	Date Recorded	No.Units	Expiry Date
L14827 (View Fraction)				
L14829 (Creek Fraction)				
Arty 1	1219	June 10, 1981	12	June 10, 1989*
Arty 2	1220	June 10, 1981	20	June 10, 1989*
G.D.	603	Apr. 17, 1979	16	Apr. 17, 1993*
Min	604	Apr. 17, 1979	8	Apr. 17, 1988*
Tom	605	Apr. 17, 1979	20	Apr. 17, 1994*
Mary 5	758	Oct. 10, 1979	1	Oct. 10, 1988*
Mary 6	759	Oct. 10, 1979	1	Oct. 10, 1988*
Mary 7	760	Oct. 10, 1979	1	Oct. 10, 1988*
Burke 1	1485	Sep. 30, 1982	9	Sep. 30, 1987*

Arty #3 Group (87 Units)

Name	Record No.	Date Recorded	No.Units	Expiry Date
L14821 (Goat Fraction)				
L14822 (Goat No.2 Fraction)				
L14823 (Goat No.3 Fraction)				
L14824 (Goat No.4 Fraction)				
L14825 (Goat No.5 Fraction)				
L14826 (Goat No.6 Fraction)				
L14828 (View No.2 Fraction)				
Shannon 400	1143	Dec. 17, 1980	20	Dec. 17, 1993*
Shannon 500	1144	Dec. 17, 1980	20	Dec. 17, 1993*
Arty 3	1221	June 10, 1981	20	June 10, 1989*
Arty 4	1222	June 10, 1981	20	June 10, 1989*

Tom Group (28 Units)

Name	Record No.	Date Recorded	No.Units	Expiry Date
Shannon 100	1140	Dec. 17, 1980	12	Dec. 17, 1993*
Shannon 300	1142	Dec. 17, 1980	16	Dec. 17, 1993*

Sam Group (83 Units)

Name	Record No.	Date Recorded	No.Units	Expiry Date
Sam	1549	Nov. 30, 1982	8	Nov. 30, 1993*
Sam 1	1550	Nov. 30, 1982	8	Nov. 30, 1993*
Mary	1545	Nov. 30, 1982	1	Nov. 30, 1993*
Mary 1	1546	Nov. 30, 1982	1	Nov. 30, 1993*
Mary 2	1547	Nov. 30, 1982	1	Nov. 30, 1993*
Mary 3	1548	Nov. 30, 1982	1	Nov. 30, 1993*
Mary 4	757	Oct. 10, 1982	1	Oct. 10, 1988*
Shannon 700	1146	Dec. 17, 1980	18	Dec. 17, 1988*
Shannon 800	1147	Dec. 17, 1980	8	Dec. 17, 1988*
Shannon 900	1148	Dec. 17, 1980	20	Dec. 17, 1988*
Shannon 1000	1149	Dec. 17, 1980	10	Dec. 17, 1988*
Shannon 1100	1150	Dec. 17, 1980	6	Dec. 17, 1988*

Burke Group (79 Units)

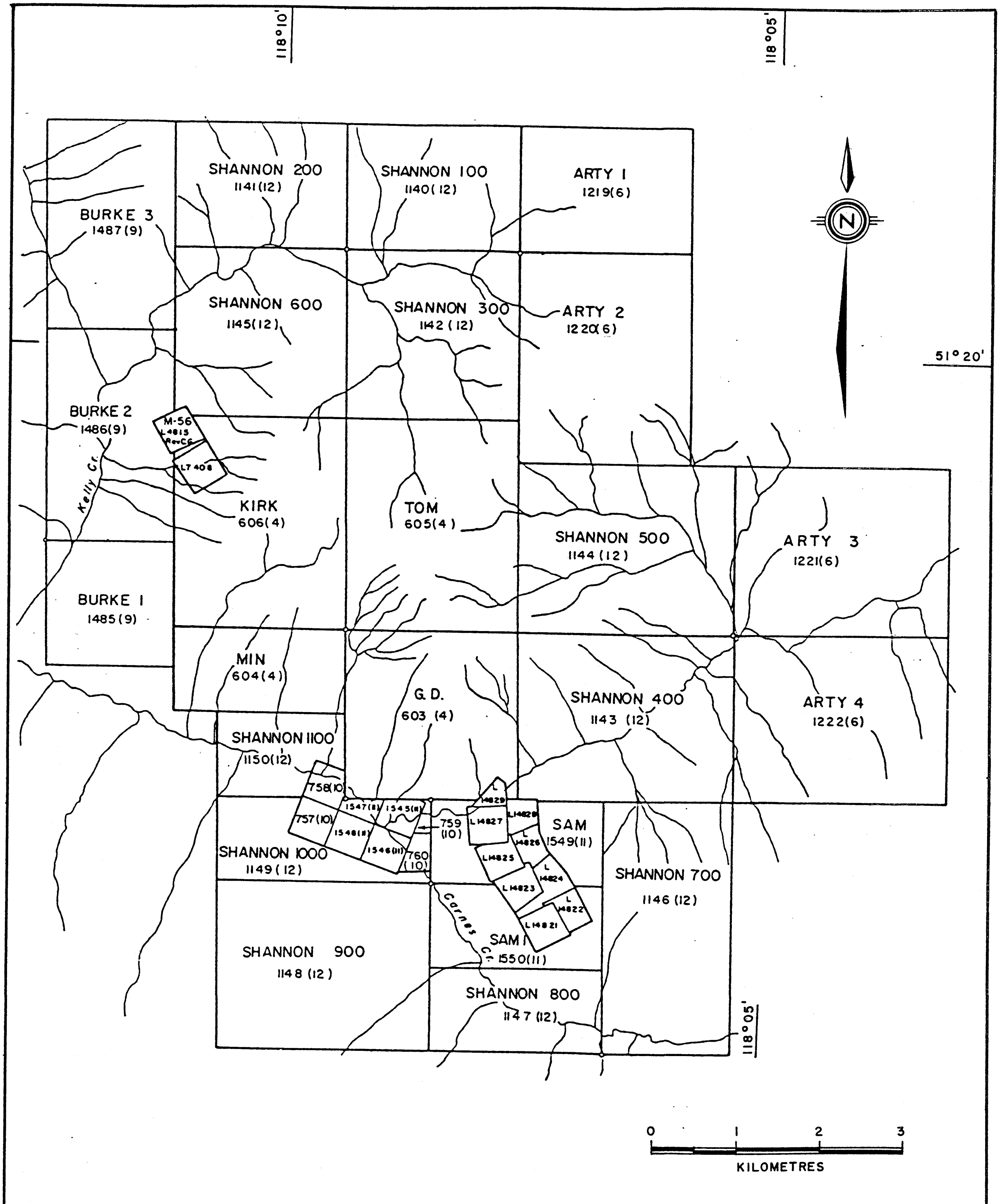
Name	Record No.	Date Recorded	No.Units	Expiry Date
L7408 (Aberdeen)				
Kirk	606	Apr. 17, 1979	20	Apr. 17, 1993*
Shannon 200	1141	Dec. 17, 1980	12	Dec. 17, 1993*
Shannon 600	1145	Dec. 17, 1980	16	Dec. 17, 1993*
Burke 2	1486	Sep. 30, 1982	15	Sep. 30, 1986*
Burke 3	1487	Sep. 30, 1982	15	Sep. 30, 1986*

*Assessment approval pending

PLEASE NOTE: L4815 (Hardpan) is a reverted crown grant which is now a Mineral Lease (M.R. #56) and is owned by a James H. Elliot who resides at 910 - 3rd Street West, Revelstoke, BC.

3. History of Exploration

The area first became an exploration target after 1865 when placer gold was discovered in Carnes Creek and other creeks



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J & L PROJECT
CLAIM MAP

SCALE As Shown	DRAWN BY: R. PEGG	FIG. 3
DATE NOV. 1984	DRAFTED BY: J. S.	
N.T.S. 82 M/8E	PROJ. 10120	REPORT BPVR 84-53

in the vicinity. Prospecting began in the late 1800's and the J & L Prospect was first staked in 1896. The area then was intensely prospected and by the early 1900's, there were over 20 base and precious metal prospects discovered. Three of these, the J & L (Au-Ag-Pb-Zn), the Roseberry (Au) and the A & E (Zn-Pb-Ag), are found within the property boundary.

The property was worked, intermittently, from the time of discovery to 1942. During this time, the underground development on the J & L consisted of a total of 495 feet of tunnelling and 2 inclined shafts which had a total length of 255 feet. The Number 1 Zone was supposedly tested over a length in excess of 5000 feet (1524 metres) on surface, by 30 trenches, and the Number 2 Zone was tested over a length of 250 feet (76 metres) with 4 trenches. The Roseberry occurrence was tested by 895 feet of drifting and crosscutting on 3 levels.

In 1934, T.E. Arnold acquired the claims.

In the early 1940's, Raindor Gold Mines extended the 986 level adit to a length of 500 feet (152.4 metres), sank 2 shallow shafts and dug several surface trenches.

During the period 1962 to 1967, Westairs Mines Limited carried out an exploration program which consisted of geological mapping, prospecting, trenching, underground exploration development and diamond drilling. The diamond drilling (1004 feet) was completed at the Roseberry and A & E Prospects. A 320 foot crosscut was driven north of the workings and the A & E 6000 foot level adit was driven to 265 feet, to facilitate drilling. They also completed 975 feet (297.18 metres) of underground development on the J & L Prospect, at the 830 metre level. Westairs drilled at least 10 diamond drill underground holes from within the 830 metre level adit.

Pan American Minerals Corporation of Vancouver optioned the claims in late 1980 and 11 claim blocks (158 mineral units). Then, in June of 1981, Arnold had an additional 4 claim blocks (72 mineral units) staked. On December 16, 1981, Pivak Explorco Limited optioned the property.
The geology of the area has been studied twice by the G.S.C. In the mid 1920's, H.C. Gunning completed his work while in the early 1960's, J.O. Wheeler did his mapping. Numerous geological studies have been completed to the north of the property area. During July of 1982

Geotext Consultants of Vancouver, under contract for the G.S.C., completed a quick geological survey of the area between Carnes Peak and McKinnon-Carnes Creeks.

The only significant producing mines in the area were the Mastodon Highland Bell (south of the J & L) which produced 6,112 ounces silver, 180,334 pounds lead, 5,911,618 pounds zinc and 24,716 pounds cadmium from 31,900 tons of ore and the Goldstream massive sulphide deposit which was discovered in 1973 and is owned by Noranda Exploration Company Limited. It is approximately 43 km north-northwest of the J & L property and had reserves (diluted) of 3.94 million tonnes grading 3.7% copper, 2.7% zinc and 0.56 ounces/tonne silver. The discovery of this deposit has increased exploration activity in this area in recent years.

Amax, Long Lac Minerals and Union Oil were active in the Downie Creek area during 1982 and 1983. It appears that they have been working on high elevation tungsten prospects. Preussag Canada Limited were also active at the Standard Prospect which is to the northwest of the J & L. A number of independents and junior companies were also in the region, investigating carbonatite, tungsten, copper, gold and massive sulphide prospects.

During 1982, Selco completed a preliminary geological and geochemical surface survey of the important part of the claim area. This included reconnaissance geology, 1:2 500 grid mapping and detailed mapping and sampling of the known surface showings. Selco had two airborne electromagnetic surveys flown over the property. Road building and repair, bridge construction and line cutting were also done.

During 1983, Selco completed a detailed geological and geochemical surface survey on Goat Mountain. This included detailed mapping and sampling of mineralized showings, 1:100 grid mapping and 1:5 000 reconnaissance mapping. Preliminary mapping (1:5 000) of part of Roseberry Mountain, to the north of the J & L Main Zone, was also completed. The 1982 airborne geophysical anomalies were investigated with ground geophysics (Genie EM and Mag.) and/or reconnaissance geology. An underground geological and geochemical study of part of the J & L Main Zone, at the 830 metre level elevation, was also completed. This consisted of 354.94 metres of track drift which followed the Main Zone mineralization and 3 hangingwall crosscuts which totalled 216.60 metres. This underground development was an extension of the drifting completed by Westairs Mines Limited during the 1960's. Subsequent drilling consisted of 35 holes which totalled 1657.89 metres.

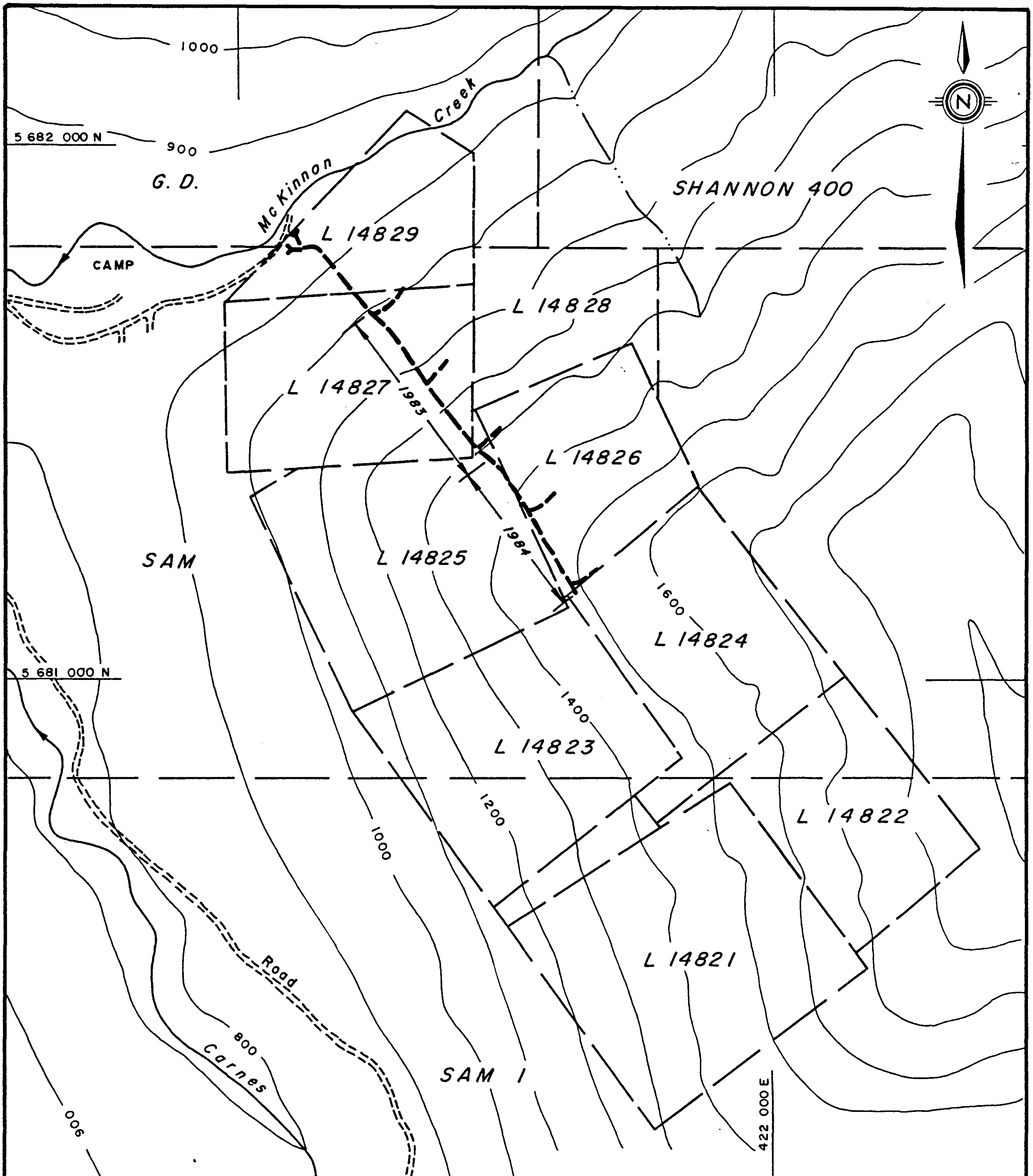
4. 1984 Work Program Summary

Compilation of the J & L data and the organization and planning of the 1984 program continued until late May, when the field work began.

At this time, part of the field crew had completed the rehabilitation of the Selco camp. Due to weather conditions, regional mapping and camp work was done until the third week of June when mapping on Roseberry Mountain, to the north-northwest of the 830 metre level portals, began. The 986 portal area was cleared out at this time. The surface crew completed a chained, flagged and compassed grid on Roseberry Mountain during late June. This crew managed to extend the arsenical mineralization to the northwest and completed detailed mapping along the grid (See Figure 10).

The underground contractor camp was re-established and preliminary road and adit rehabilitation was completed during early July. On July 14th, the underground exploration development began, from the end of the 1983 work. This new development consisted of a track drift (2.1 m x 2.1 m) along the Main Zone (315.80 m) and 2 crosscuts into the hangingwall stratigraphy (136.23 m). Diamond drill stations were established at the ends of the crosscuts, from which up and down holes were drilled. These holes tested the up and down dip extensions of the Main Zone. Additional drilling was done from the drift, in order to outline the lateral extent of the mineralization at the drift level. Two holes were also drilled from the drill station at the end of the 10,500E crosscut. The -90^{o} hole was drilled in order to assess the 1983 trend of increasing grade and/or thickness of the zone with depth. The short, $+20^{o}$ hole into the hangingwall was drilled to test for possible mineralization associated with a limestone bed found at the end of the crosscut. A total of 982.51 metres of drilling was completed in 30 drill holes (See Figure 5).

All of the drill core was logged and the appropriate sections were split. The backs and walls of the new drift



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J & L PROJECT
UNDERGROUND DEVELOPMENT
LOCATION MAP

SCALE 1 : 10,000		DRAWN BY: R.P.	FIG. 4
DATE NOV., 1984		DRAFTED BY: C H K.	
N.T.S. 82M/8E	PROJ. 10120		REPORT BPVR 84-53

and crosscuts were mapped and surveyed as the development progressed. Each "second round" drift face and the crosscut wall(s) were extensively chip sampled and mapped. A total of 993 underground samples and 291 core samples were sent out to be assayed. Metallurgical samples were collected and specific gravity determinations were also completed.

Road repair, waste and ore disposal and environmental water sampling continued throughout the field season, which ended on October 23rd.

PHYSICAL WORK

During May of 1984, a Selco crew began the rehabilitation of the Selco camp, which is located on the south side of McKinnon Creek (See Figure 4). Selco personnel also completed several trails and a compassed, chained and flagged control grid on the south slope of Roseberry Mountain and re-opened the portal of the 986 metre adit on Goat Mountain, during late June and July. The grid consists of a 1200 metre, approximately, baseline, which was measured at an azimuth of 307° from the original (1983) North Zone Showing (See Figure 10, Showing NS-1) and crosslines which were put in, where possible, at 200 metre intervals. This grid was established in order to give the geological mapping better control.

TABLE I

J & L 1984 SURVEY STATIONS (Underground)

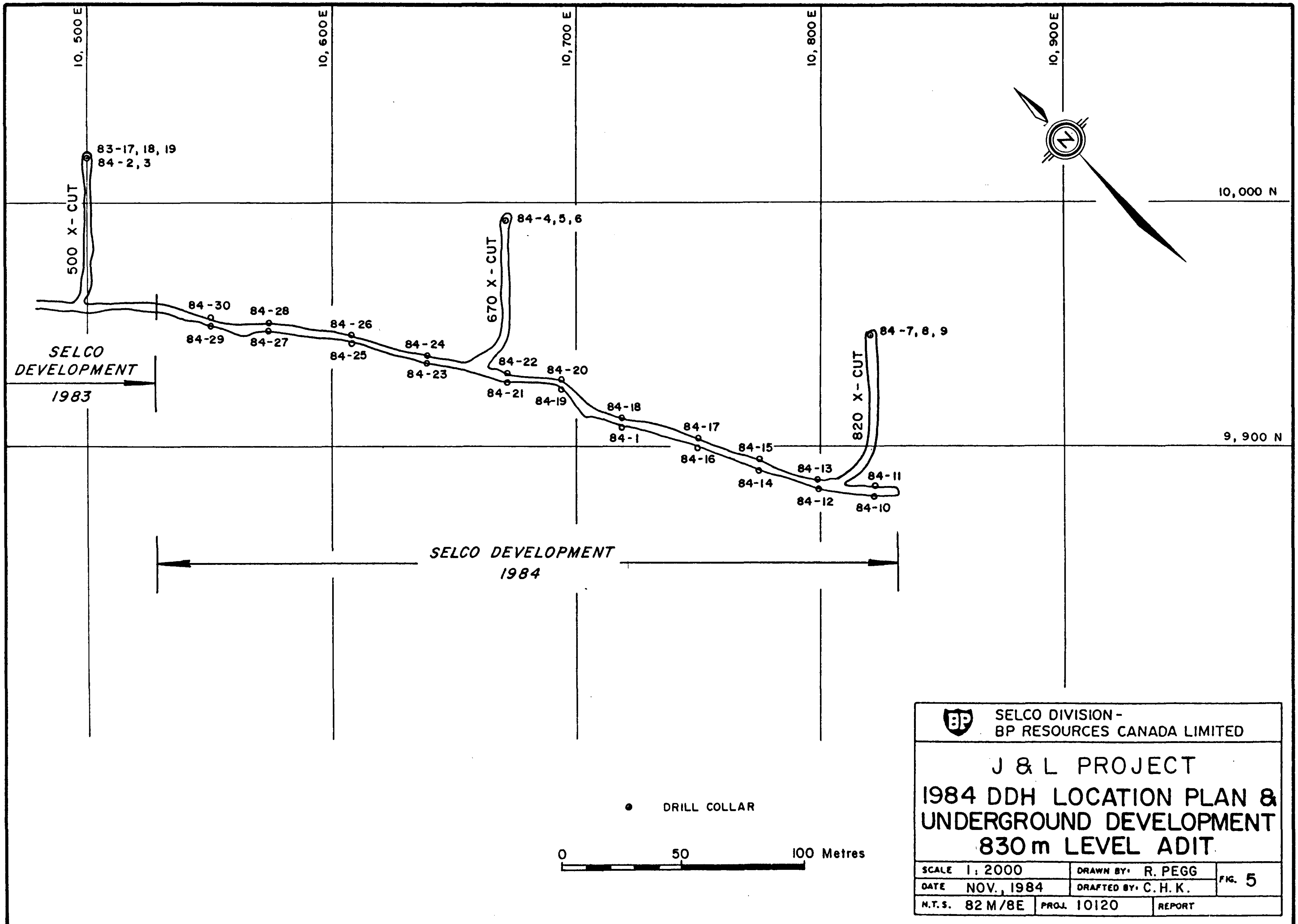
STATION	U.T.M. NORTHING	U.T.M. EASTING	MINE GRID NORTHING	MINE GRID EASTING	(m) ELEVATION (R.L.)
J-47	5,681,417.968	421,470.687	9,958.839	10,525.435	839.405 (836.790)
J-47(L.P.)			9,958.114	10,529.171	839.530
J-48	5,681,411.897	421,475.013	9,957.223	10,532.714	839.200 (836.820)
J-48(L.P.)			9,955.895	10,536.452	839.60
J-49	5,681,401.412	421,480.628	9,953.190	10,543.902	839.401 (836.946)
J-49(L.P.)			9,952.348	10,547.024	839.556 (836.942)
J-50	5,681,390.281	421,487.699	9,949.649	10,556.605	839.859 (837.053)
J-50(L.P.)	Destroyed July 25 and replaced with:		9,949.529	10,559.294	839.619 (837.047)
J-50(L.P.$_2$)			9,949.632	10,559.736	839.675
J-51	5,681,380.673	421,499.847	9,950.637	10,572.062	839.676 (837.033)
J-51(L.P.)			9,949.814	10,575.079	839.665 (836.949)
J-52	5,681,372.155	421,506.075	9,948.475	10,582.390	839.652 (837.056)
J-52(L.P.)			9,947.676	10,586.449	839.944
J-53	5,681,364.110	421,511.983	9,946.457	10,592.157	839.976 (837.183)
J-53(L.P.)			9,946.192	10,594.235	839.941
J-54	5,681,357.349	421,517.984	9,945.448	10,601.139	839.876 (837.222)
J-54(L.P.)	Destroyed & replaced by LP$_2$		9,944.150	10,604.011	840.029
J-54(L.P.$_2$)			9,944.356	10,604.218	840.073 (837.305)
J-55	5,681,348.140	421,522.041	9,941.319	10,610.316	840.066 (837.299)
J-55(L.P.)			9,940.884	10,613.244	840.111 (837.347)
J-56	5,681,337.861	421,530.544	9,939.368	10,623.512	840.049 (837.352)
J-56(L.P.)			9,938.687	10,626.400	840.211
J-57	5,681,328.888	421,537.156	9,937.123	10,634.428	840.125 (837.384)
J-57(L.P.)			9,936.596	10,637.617	
J-58	Destroyed & replaced by J-59		9,933.073	10,653.532	840.237 (837.454)
J-58(L.P.)	Changed to 59 LP		9,932.302	10,656.797	840.192
J-59	5,681,313.254	421,548.535	9,933.117	10,653.345	840.211 (837.481)
J-60	5,581,303.919	421,554.594	9,930.234	10,664.091	840.515 (837.536)
J-60(L.P.)			9,929.461	10,666.378	840.186
J-61	5,681,310.342	421,561.076	9,939.345	10,664.616	840.244 (837.571)

TABLE 1
(continued)

STATION	U.T.M. NORTHING	U.T.M. EASTING	MINE GRID NORTHING	MINE GRID EASTING	(m) ELEVATION (R.L.)
(670 X-C)					
J-61(L.P.)					
J-62	5,681,292.992	421,560.396	9,925.995	10,675.718	840.519 (837.551)
J-62(L.P.)			9,926.125	10,679.136	840.372
J-63	5,681,313.273	421,570.078	9,947.546	10,669.344	840.291 (837.616)
(670 X-C)					
J-63(L.P.)	(63 LP is the B.S.)		9,944.245	10,669.343	840.400
(670 X-C)					
J-64	5,681,284.030	421,570.946	9,926.394	10,689.555	840.623 (837.561)
J-64(L.P.)			9,925.273	10,692.329	840.212
J-65	5,681,279.419	421,574.051	9,925.045	10,694.948	840.462 (837.596)
J-65(L.P.)			9,923.424	10,696.293	840.692
J-66	5,681,272.186	421,573.870	9,919.549	10,699.653	840.377 (837.678)
J-66(L.P.)			9,917.851	10,702.562	840.585
J-67	5,681,325.038	421,580.670	9,963.377	10,669.344	840.403 (837.605)
(670 X-C)					
J-67(L.P.)			9,966.731	10,669.344	840.467
J-68	5,681,255.873	421,580.169	9,911.640	10,715.249	840.266 (837.506)
					(Raised) Sep.8 (837.692)
J-68(L.P.)			9,911.237	10,717.422	840.240
J-69	5,681,342.799	421,597.519	9,987.850	10,669.982	840.472 (837.603)
(670 X-C)					
J-70	5,681,240.573	421,591.564	9,907.894	10,733.955	840.654 (837.822)
J-70(L.P.)			9,906.831	10,736.863	
J-71	5,681,233.894	421,595.172	9,905.345	10,741.105	840.625 (837.931)
J-71(L.P.)			9,904.248	10,743.522	
J-72	5,681,215.056	421,603.370	9,896.830	10,759.802	840.802 (838.046)
J-72(L.P.)			9,896.301	10,761.597	840.797
J-73	5,681,197.750	421,613.828	9,890.966	10,779.154	840.965 (838.185)
J-73(L.P.)			9,890.150	10,781.434	840.785

TABLE 1
(continued)

STATION	U.T.M. NORTHING	U.T.M. EASTING	MINE GRID NORTHING	MINE GRID EASTING	(m) ELEVATION (R.L.)
J-74	5,681,182.459	421,622.530	9,885.423	10,795.852	841.101 (838.223)
J-74(L.P.)			9,884.757	10,798.303	
J-75	5,681,175.268	421,627.479	9,883.390	10,804.342	841.366 (838.248)
J-75(L.P.)	(820 X-C)		9,884.783	10,806.417	841.212
J-76	5,681,173.901	421,641.335	9,891.645	10,815.554	840.992 (838.210)
(820 X-C)					
J-76(L.P.)	(820 X-C)		9,893.227	10,816.247	841.064
J-77	5,681,168.346	421,631.824	9,881.153	10,812.203	841.033 (838.242)
J-77(L.P.)			9,881.454	10,815.737	841.027
J-78 (820 X-C) Destroyed & Replaced by J79			9,898.843	10,819.774	840.708
J-78 (back) L.P.					
J-79	5,681,176.436	421,649.318	9,898.870	10,819.791	840.775
(820 X-C)					
J-79 (820 X-C)			9,901.403	10,819.783	841.231
J-80	5,681,159.646	421,641.879	9,881.419	10,825.497	841.049 (838.349)
(Final Station - Main Zone)					
J-81	5,681,185.892	421,657.832	9,911.594	10,819.792	841.269 (838.366)
(820 X-C)					
J-81(L.P.)			9,913.842	10,819.791	841.089
J-82	5,681,199.488	421,670.082	9,929.894	10,819.798	841.236 (838.460)
(820 X-C)					
J-82(L.P.)			9,933.022	10,819.799	
J-83	5,681,210.983	421,680.783	9,945.597	10,820.059	842.221 (838.497)
J-83(L.P.)			9,944.033	10,820.103	


10,500 E
10,600 E
10,700 E
10,800 E
10,900 E
10,000 N
9,900 N
N
83-17, 18, 19
84-2, 3
500 X-CUT
84-4, 5, 6
670 X-CUT
84-7, 8, 9
820 X-CUT
84-30
84-29
84-28
84-27
84-26
84-25
84-24
84-23
84-22
84-21
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84-19
84-18
84-1
84-17
84-16
84-15
84-14
84-13
84-12
84-11
84-10
SELCO DEVELOPMENT 1983
SELCO DEVELOPMENT 1984
DRILL COLLAR
0
50
100 Metres
SELCO DIVISION - BP RESOURCES CANADA LIMITED
J & L PROJECT
1984 DDH LOCATION PLAN & UNDERGROUND DEVELOPMENT 830 m LEVEL ADIT
SCALE 1 : 2000
DRAWN BY: R. PEGG
FIG. 5
DATE NOV., 1984
DRAFTED BY: C. H. K.
N.T.S. 82 M/8E
PROJ. 10120
REPORT

During the period of July 6 to July 13, Rocbore (1980) Limited of Kamloops, completed their crew and equipment mobilization and rehabilitation of the J & L access road, the 830 metre adit portal area and the previous 830 metre level underground development.

Rocbore then extended the 830 metre level, track drift, which measures 2.1 x 2.1 metres, for approximately 315.8 metres. The extention of the drift was again driven under geological control in an effort to follow the Main Zone mineralization. The two new crosscuts, which were under survey control, were driven into the hangingwall stratigraphy. The survey controlled production, which totalled 136.23 metres, included 68.40 metres in the 10,670E crosscut and 67.83 metres in the 10,820E crosscut. A total of 132.02 cubic metres of slashing was also completed and this consisted of 42.30 cubic metres within the drift, 53.27 cubic metres within the 10,670E crosscut and 36.45 cubic metres within the 10,820E crosscut. The slashing included the creation of diamond drill stations at the ends of the crosscuts. A minor amount of rock bolting was required in the drift and crosscuts. This underground development program was completed during the period of July 14 to October 7, 1984.

TABLE II
J & L D.D.H. COORDINATES

DRILL HOLE	MINE GRID / U.T.M. NORTHING	MINE GRID / U.T.M. EASTING	(m) ELEV. (RAIL)	AZIM.	DIP	(m) LENGTH	HOLE TYPE	DATE STARTED	DATE COMPLETED
84-1	9,909.950 5,681,252.480	10,718.442 421,581.411	838.929	222°	$+0.96^\circ$	27.74	Definition Drilling, Drift	Sep. 1/84	Sep. 2/84
84-2	10,015.256 5,681,476.764	10,500.224 421,489.701	837.054	222°	-87.75°	97.54	10,500E Crosscut	Sep. 4/84	Sep. 7/84
84-3	10,018.576 5,681,479.187	10,500.290 421,491.972	838.800	042°	$+19.69^\circ$	15.24	10,500E Crosscut	Sep. 7/84	Sep. 7/84
84-4	9,990.536 5,681,344.939	10,669.767 421,599.156	837.495	222°	-89.5°	119.48	10,670E Crosscut	Sep. 8/84 Sep.16/84	Sep.10/84 Sep.17/84
84-5	9,989.563 5,681,344.235	10,669.738 421,598.484	837.527	222°	-45.5°	90.53	10,670E Crosscut	Sep.10/84	Sep.13/84
84-6	9,989.117 5,681,343.906	10,669.776 421,598.239	840.506	222°	$+18.25^\circ$	112.47	10,670E Crosscut	Sep.13/84	Sep.16/84
84-7	9,942.830 5,681,209.168	10,819.698 421,678.663	838.463	222°	-44.4°	70.10	10,820E Crosscut	Oct. 8/84	Oct. 9/84
84-8	9,943.711 5,681,209.824	10,819.697 421,679.252	838.473	222°	-87.3°	109.12	10,820E Crosscut	Oct.10/84	Oct.11/84
84-9	9,942.453 5,681,208.845	10,819.762 421,678.459	841.381	222°	$+17.97^\circ$	109.12	10,820E Crosscut	Oct.13/84	Oct.14/84
84-10	9,880.312 5,681,160.863	10,822.448 421,638.872	839.401 (838.356)	222.36°	-0.4°	10.06	Definition Drilling, Drift	Oct.15/84	Oct.15/85

TABLE II
(continued)

DRILL HOLE	MINE GRID U.T.M. NORTHING	MINE GRID U.T.M. EASTING	(m) ELEV. (RAIL)	AZIM.	DIP	(m) LENGTH	HOLE TYPE	DATE STARTED	DATE COMPLETED
84-11	9,882.900 5,681,162.764	10,822.482 421,640.629	839.404	042.7°	-0.2°	12.49	Definition Drilling, Drift	Oct.15/84	Oct.15/84
84-12	9,983.273 5,681,178.228	10,799.788 421,624.016	839.531 (838.284)	222.4°	+0.4°	10.06	Definition Drilling, Drift	Oct.15/84	Oct.15/84
84-13	9,886.505 5,681,180.838	10,799.477 421,625.948	839.493	042.51°	-0.5°	10.05	Definition Drilling, Drift	Oct.15/84	Oct.15/84
84-14	9,891.049 5,681,200.428	10,775.245 421,610.978	839.392 (838.174)	222.4°	-0.1°	9.75	Definition Drilling, Drift	Oct.16/84	Oct.16/84
84-15	9,893.644 5,681,202.603	10,774.875 421,612.439	839.370	040.9°	-0.2°	10.06	Definition Drilling, Drift	Oct.15/84	Oct.16/84
84-16	9,899.329 5,681,223.633	10,749.764 421,597.596	839.304 (838.069)	222°	-0.2°	10.06	Definition Drilling, Drift	Oct.16/84	Oct.16/84
84-17	9,902.742 5,681,226.391	10,749.427 421,599.615	839.352	042.5°	+1.6°	10.06	Definition Drilling, Drift	Oct.16/84	Oct.16/84
84-18	9,912.719 5,681,254.677	10,718.235 421,583.110	839.020 (837.782)	044.1°	+0.6°	9.75	Definition Drilling, Drift	Oct.16/84	Oct.16/84
84-19	9,923.643 5,681,278.756	10,694.394 421,572.709	838.850 (837.666)	222.7°	-0.3°	10.06	Definition Drilling, Drift	Oct.16/84	Oct.16/84
84-20	9,926.490 5,681,281.057	10,694.106 421,574.392	838.856	043.7°	-0.3°	10.06	Definition Drilling, Drift	Oct.16/84	Oct.16/84
84-21	9,926.334	10,671.630	838.763	223.5°	-1.1°	9.75	Definition		

TABLE II
(continued)

DRILL HOLE	MINE GRID / U.T.M. NORTHING	EASTING	(m) ELEV. (RAIL)	AZIM.	DIP	(m) LENGTH	HOLE TYPE	DATE STARTED	DATE COMPLETED
84-22	9,929.151 5,681,298.256	10,671.356 421,559.266	838.794	043.4°	+0.3°	9.14	Definition Drilling, Drift	Oct.17/84	Oct.17/84
84-23	9,935.580 5,681,325.493	10,637.788 421,538.620	838.675 (837.472)	222.3°	+0.2°	13.11	Definition Drilling, Drift	Oct.17/84	Oct.17/84
84-24	9,938.012 5,681,327.299	10,637.790 421,540.250	838.691	042.0°	+0.8°	9.75	Definition Drilling, Drift	Oct.17/84	Oct.17/84
84-25	9,941.401 5,681,348.140	10,607.987 421,520.365	838.543 (837.291)	223.4°	+0.3°	11.58	Definition Drilling, Drift	Oct.17/84	Oct.17/84
84-26	9,944.448 5,681,352.202	10,607.720 421,522.205	838.551	044.1°	+0.3°	12.50	Definition Drilling, Drift	Oct.17/84	Oct.17/84
84-27	9,948.551 5,681,377.514	10,574.467 421,500.239	838.272 (837.080)	222°	-0.3°	17.68	Definition Drilling, Drift	Oct.18/84	Oct.18/84
84-28	9,951.418 5,681,379.863	10,574.140 421,501.915	838.255	042.2°	0.0°	9.60	Definition Drilling, Drift	Oct.18/84	Oct.18/84
84-29	9,949.332 5,681,394.053	10,550.615 421,483.036	838.268 (838.007)	221.7°	+0.4°	15.85	Definition Drilling, Drift	Oct.18/84	Oct.18/84
84-30	9,952.544 5,681,396.446	10,550.291 421,484.753	838.257	043.2°	-0.1°	9.75	Definition Drilling, Drift	Oct.18/84	Oct.18/84

1984 DRILLING SUMMARY

1. 10,500E Crosscut Drilling (2 holes) = 112.78 m
2. 10,670E Crosscut Drilling (3 holes) = 322.48 m
3. 10,820E Crosscut Drilling (3 holes) = 288.34 m
4. J.V. Drilling (22 holes) = 258.91 m

TOTAL DRILLING = 982.51 m

The 1984 underground surveying (See Table I) was done by the Selco site engineer who continued to utilize the mine grid established in 1983. This mine grid, whose 0N, 0E coordinates are found at 5,681,060N and 406,985E (U.T.M.) was established with "mine north" at an azimuth of 042°.

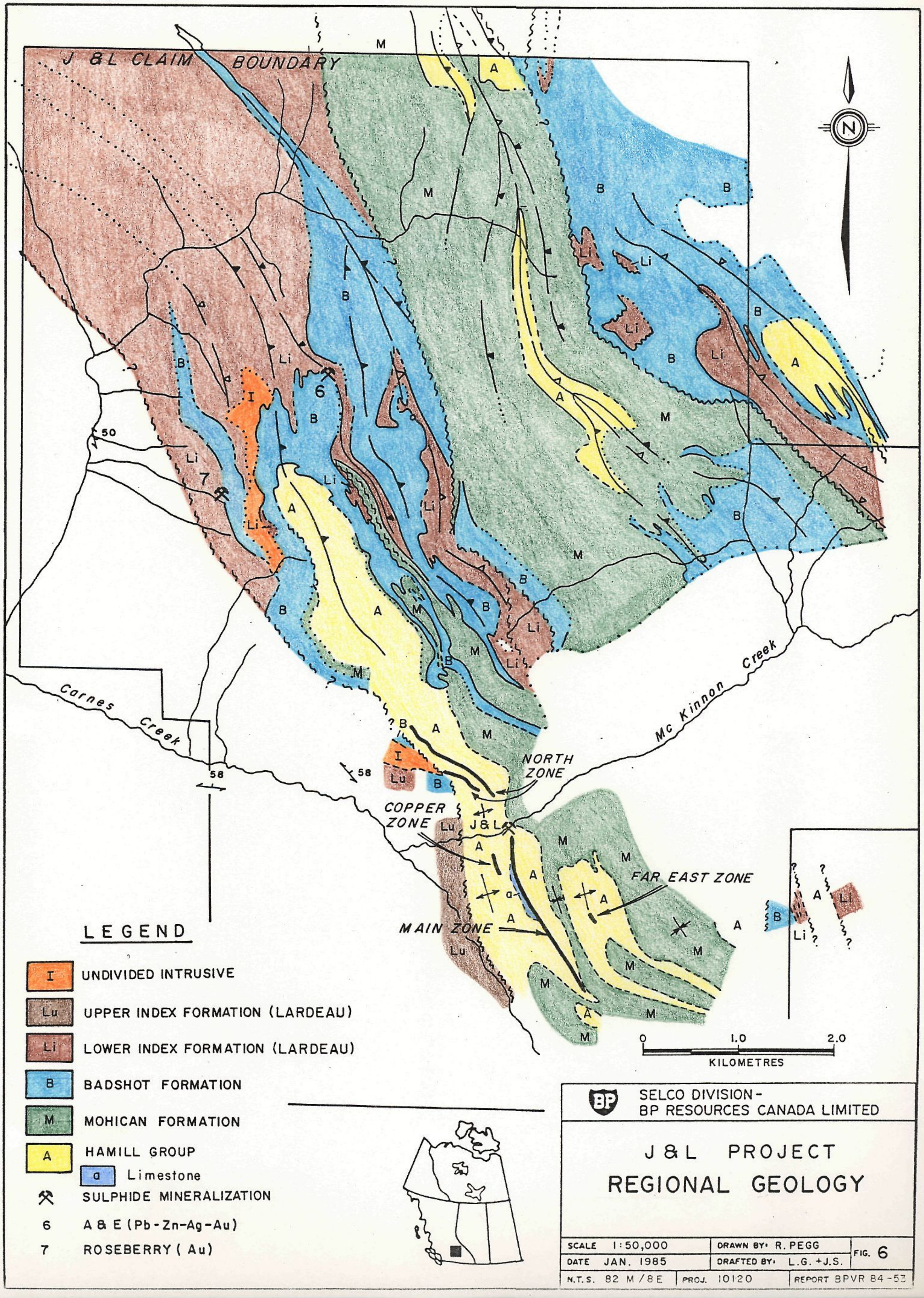
Between September 1 to 17 and October 8 to 18, 1984, Connors Drilling Ltd. of Kamloops, who were subcontracting for Rocbore, completed the underground drilling, which totalled 982.51 metres of BQ core. This drilling, which was done with an electric drill, consisted of 258.91 metres of core from 22 holes ("J.V.") collared within the new drift development, 112.78 metres of core from 2 holes at the end of the 10,500E crosscut, 322.48 metres of core from 3 holes at the end of the 10,670E crosscut and 288.34 metres of core from 3 holes at the end of the 10,820 crosscut (See Table II). All of the crosscut drill holes were surveyed with Sperry Sun apparatus by Selco personnel.

GEOLOGY

1. Regional Geology

The G.S.C. (Wheeler, 1963) has mapped the J & L Project area within a northwest trending belt of metamorphic rocks of the Lardeau Group (Lower Cambrian and later). This belt is bordered on the west by the Columbia River fault and the Shuswap Metamorphic Complex, on the south by a migmatite complex of the Shuswap Metamorphic Complex, on the north (approximately) by the Goldstream River and on the east by Downie Creek and sediments of the Hamill Group and the Badshot Formation. The Lardeau Group is comprised of slates, phyllitic siltstones, quartzites, schists and limestones. Wheeler has also indicated the presence of numerous discontinuous beds of limestone, dolomite, phyllite and quartzite of the Badshot Formation (Lower Cambrian), several large granitic bodies (Post Lower Cambrian) and 2 small pods of Hamill Group (Lower Cambrian) quartzite within this large block of folded and faulted Lardeau rocks (See G.S.C. Map 12-1964).

During 1976 and 1977, Trygve Hoy of the B.C.D.M. mapped and compiled the geology for the Goldstream area and he postulated that the stratography consists of Hamill Group metasediments and metavolcanics and minor Horsethief Creek Group (Lower Paleozoic-Upper Proterozoic) metasediments and metavolcanics (to the east) which have been intruded by several granitic bodies. These metasediments and metavolcanics are intensely deformed and consist of



J & L CLAIM BOUNDARY
N
Carnes Creek
Mc Kinnon Creek
NORTH ZONE
COPPER ZONE
J&L
MAIN ZONE
FAR EAST ZONE
50
58
58
0
1.0
2.0
KILOMETRES
LEGEND
I UNDIVIDED INTRUSIVE
Lu UPPER INDEX FORMATION (LARDEAU)
Li LOWER INDEX FORMATION (LARDEAU)
B BADSHOT FORMATION
M MOHICAN FORMATION
A HAMILL GROUP
a Limestone
SULPHIDE MINERALIZATION
6 A & E (Pb-Zn-Ag-Au)
7 ROSEBERRY (Au)
SELCO DIVISION-
BP RESOURCES CANADA LIMITED
J & L PROJECT
REGIONAL GEOLOGY
SCALE 1:50,000
DATE JAN. 1985
N.T.S. 82 M/8E
PROJ. 10120
DRAWN BY: R. PEGG
DRAFTED BY: L.G. + J.S.
FIG. 6
REPORT BPVR 84-53

quartzites, schists, phyllites, calc-schists and carbonates, which are interlayered with greenstones and chloritic phyllites. Tight to isoclinal north-trending folds are the dominant structure in the area. The folds are overturned with their axial surfaces varying from nearly horizontal in the Keystone area to steeply dipping in the Downie and Standard areas (See Plan 1).

Mapping by Geotex, consultants for the G.S.C. in 1982, indicates that the stratigraphy, southeast of Burke Creek, consists of folded and faulted Lardeau, Mohican and Hamill metasediments and metavolcanics and Badshot limestones (fossiliferous on Roseberry Mountain). Geotex stated that "the distribution of stratigraphic boundaries results from the interference between two phases of non-coaxial isoclinal folding and subsequent faulting". The Geotex mapping on Roseberry Mountain has been, in part, confirmed by Selco geologists. Geotex also postulated that the area around Standard Peak is comprised of metamorphics of the Lardeau Group and not the Hamill, as Hoy had indicated.

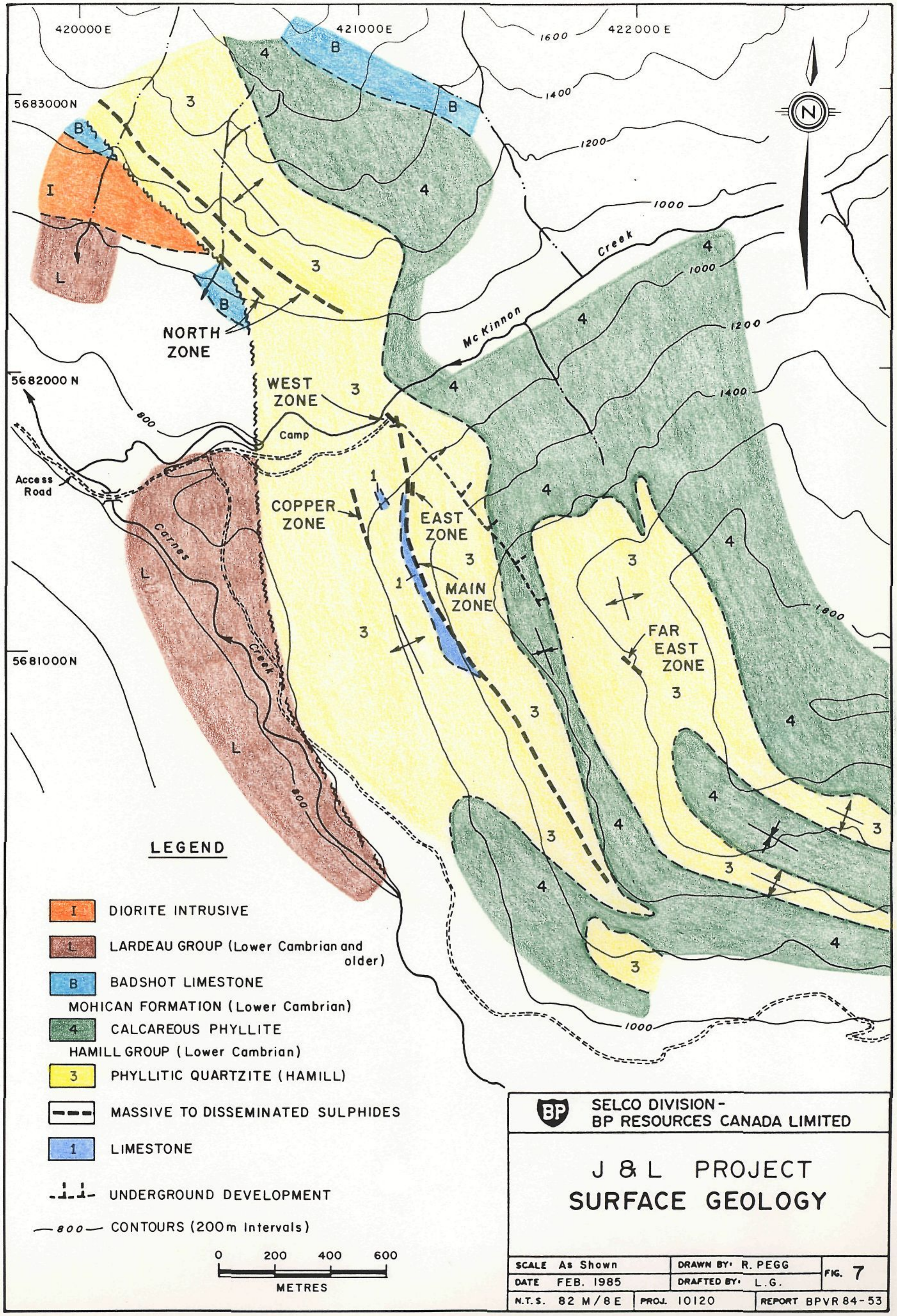
It appears that J & L Main Zone on Goat Mountain is found within a belt of Hamill Group phyllitic quartzites whose eastern limb is comprised of calcareous phyllites and limestones of the Mohican Formation. A northwest trending thrust fault separates the younger Lardeau phyllites on the west and the Hamill Group metasediments on the east. The Hamill Group also contains a number of discontinuous beds of grey banded limestone, the most prominent of which forms the footwall to the Main Zone for approximately 900 metres.

Wheeler postulated that the metamorphic belt, which may include the Hamill Group, extends south of the J & L property to La Forme Creek.

2. Surface Geology

Surface mapping concentrated on extending the arsenical North Zone to the northwest of the 1983 discovery occurrence (NS-1, See Figure 11) and completing a detailed (1:100) geological study of the stratigraphy on the southwest slope of Roseberry Mountain (See Plan 2).

North to northwest striking, moderate to steep, east dipping sediments of the Hamill, Mohican, Badshot and Lardeau Formations cover most of the investigated area on Roseberry Mountain. Generally, isoclinally folded,


420000 E
421000 E
422000 E
5683000 N
5682000 N
5681000 N
1600
1400
1200
1000
800
N
NORTH ZONE
WEST ZONE
Camp
Access Road
COPPER ZONE
EAST ZONE
MAIN ZONE
FAR EAST ZONE
McKinnon Creek
Carnes Creek
LEGEND
I DIORITE INTRUSIVE
L LARDEAU GROUP (Lower Cambrian and older)
B BADSHOT LIMESTONE
MOHICAN FORMATION (Lower Cambrian)
4 CALCAREOUS PHYLLITE
HAMILL GROUP (Lower Cambrian)
3 PHYLLITIC QUARTZITE (HAMILL)
MASSIVE TO DISSEMINATED SULPHIDES
1 LIMESTONE
UNDERGROUND DEVELOPMENT
800 CONTOURS (200m Intervals)
0 200 400 600
METRES
BP
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
J & L PROJECT
SURFACE GEOLOGY
SCALE As Shown
DRAWN BY: R. PEGG
FIG. 7
DATE FEB. 1985
DRAFTED BY: L.G.
N.T.S. 82 M/8E
PROJ. 10120
REPORT BPVR 84-53

phyllitic quartzites of the Hamill Group appear to form the core of an antiform whose southwestern flank has been disrupted by a multiphase, late stage, dioritic intrusive. Interfingered graphitic phyllites of the Lardeau Group and limestones of the Badshot Formation were observed as remnants within the intrusive and below its southern margin. The northeastern flank of this quartzitic antiform core is overlain by limestones and dolomites of the Mohican Formation which are, in turn, overlain by limestones of the Badshot Formation.

The host of the North Zone mineralization is the phyllitic quartzite unit of the Hamill Group. This unit consists of intercalated clean to dirty quartzites and quartz-sericite to sericite phyllites. A few narrow and discontinuous grey banded limestone beds were also noted within the Hamill Group.

The overlying Mohican Formation is a calcareous phyllite unit which is comprised of limestones, tan weathering dolomites, calcareous grits and phyllites and minor calcareous quartzites. Overlying the Mohican Formation, to the east, are grey banded limestones of the Badshot Formation.

On the southwest side of the grid, the Hamill Group has been in part cut off and thrust up against a mix of Lardeau and Badshot metasediments and an apparently younger diorite sill complex. The dioritic complex appears to be sill-like with observed local conformable contacts with the Lardeau metasediments. The sill reaches a maximum true thickness of 150 metres, but splits into thinner coelescing sill-like bodies, along strike. The sills thicken and thin along strike and have differentially penetrated the surrounding metasediments. The diorite is a multiphase intrusive with a highly variable mineralogical composition. It ranges from a black biotite-rich, fine-grained rock to a hornblende on plagioclase-quartz porphyry to an amphibolite, all with variable carbonate contents. Zonation within the intrusive is fairly vague, except for the biotite-rich unit which is found within the core of

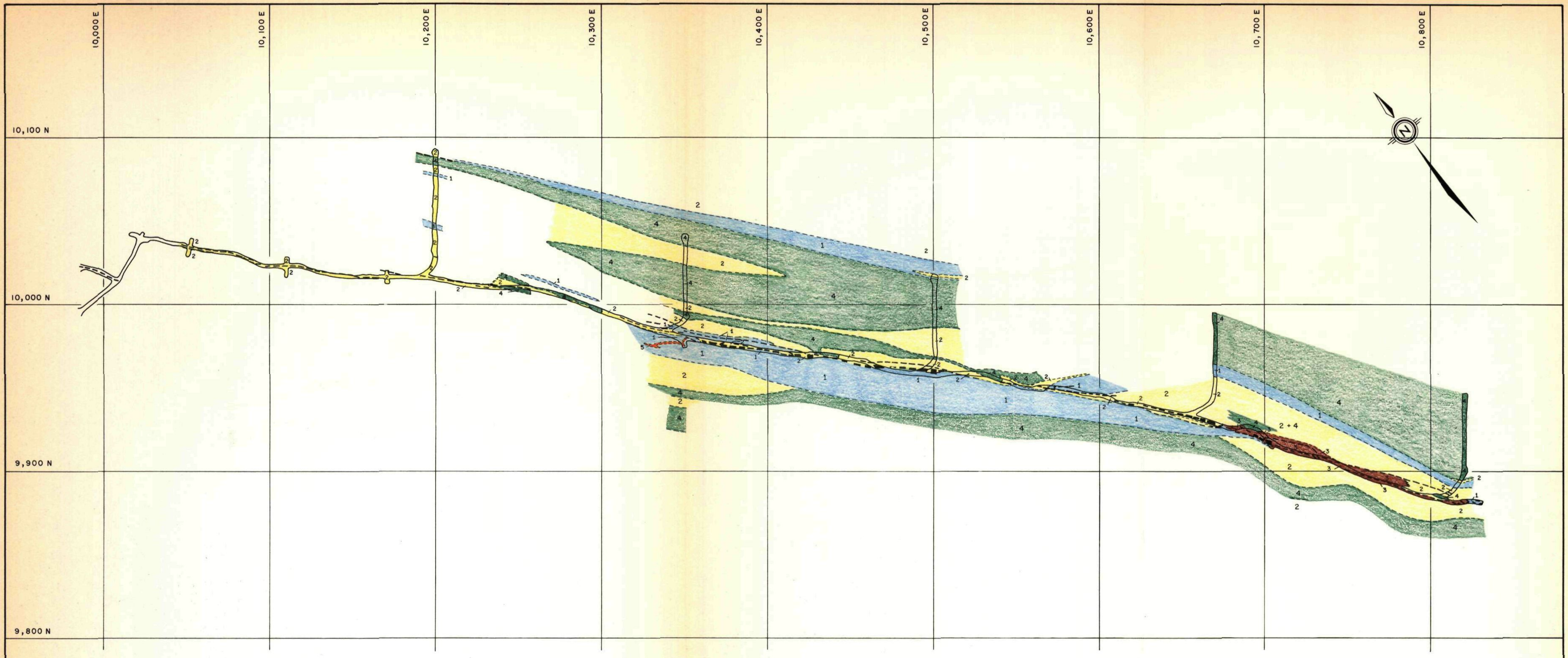
the thicker sections. The intrusive is, locally, well foliated with foliations parallel to the regional foliations and has pervasively undergone chloritic alteration. This sill appears to be similar to the one that was mapped by Geotex, further to the north on Roseberry Mountain.

The Badshot Formation consists of small, discontinuous limestone horizons which have been disrupted by the intrusive and interfingered with the dirty clastics of the Lardeau Group. The Lardeau Group consists of a thick succession of graphitic phyllites, sericitic phyllites and chloritic quartzites and phyllites. The emplacement of the diorite appears to have resulted in local veining, brecciation and folding within the Lardeau stratigraphy.

3. Underground Geology*

The 1984 underground development and drill program exposed an intercalated sequence of deformed sediments and metasediments of the Hamill Group which host the J & L Main Zone. This sequence consists of quartzites, quartz-sericite to sericite phyllites, argillaceous metagreywackes, limestones and carbonaceous limestones (See Figure 8 and Plan 4).

*Please note that when referring to the underground development, orientations are based on the mine grid.



LEGEND

5 LAMPROPHYRE DYKE
4 CHLORITIC PHYLLITES
3 SERICITIC PHYLLITES
2 PHYLLITIC QUARTZITES
MASSIVE SULPHIDES
1 LIMESTONE

SELCO DIVISION -
BP RESOURCES CANADA LIMITED

J & L PROJECT
SIMPLIFIED GEOLOGY
830 m LEVEL DRIFT

SCALE 1 : 2,000	DRAWN BY: R. PEGG	FIG. 8
DATE JANUARY 1985	DRAFTED BY: L.G.	
N.T.S. 82 M / 8 E	PROJ. 10120	REPORT BPVR 84-53

Generally, the quartzites and quartz-sericite to sericite-quartz phyllites occur as the host and immediate structural hangingwall of the Main Zone mineralization. The carbonaceous to grey banded limestone is found as the structural footwall to the Main Zone, until, approximately, 10704E where it pinches out. East of this point, a sericite-quartz to quartz-sericite to sericite phyllite occurs in the drift as the immediate structural footwall and hangingwall until, approximately, 10825E where the carbonaceous limestone re-appears, as the host rock. Local lenses and discontinuous narrow sequences of argillaceous metagreywackes were also noted at or near the immediate hangingwall. It should be noted that between 10761.87E and 10787.7E, a large, mineralized, coarse-grained, white quartz body occurs as part of the Main Zone. To the east of this quartz body, the immediate structural hangingwall shows a pronounced, visible increase in silica content.

Generally, the structural footwall, beneath the limestone and east of where it pinches out, consists of an intercalated sequence of quartzites, siliceous phyllites and argillaceous metagreywackes. The hangingwall stratigraphy is comprised of an intercalated sequence similar to the footwall. The 10670E crosscut revealed a thick hangingwall sequence of siliceous metasediments which thins substantially towards the 10820E crosscut. A thin (2-6 metre) carbonaceous to grey banded limestone band was also observed and this maybe part of a folded limestone-sulphide sequence found at 10570E (See Figure 8) or a separate discontinuous limestone band. The definition drilling from the 830 metre drift did not extend far enough into the hangingwall stratigraphy to fully determine the character of this limestone (See Plan 4). It should also be noted that individual argillaceous and siliceous metasediment units appear to be discontinuous and can grade into one another along strike.

The quartzite (06) group consists of clean to dirty, creamy-white quartzites and green quartz-chlorite phyllites. The quartzites are fine-grained, massive to weakly banded and carry a minor sericitic component along the foliation planes. The quartz-chlorite phyllites are moderately to well foliated and carry a minor chloritic component along the foliation planes.

Closely associated with the quartzites are the quartz-sericite phyllites (07) which are fine-grained, thinly banded, moderately sheared, well foliated and light grey to green in colour. The micaceous component is usually found in distinct sericite-rich bands and can comprise up to 49% of the rock.

The argillaceous metagreywackes (05) were mapped as chlorite, chlorite-sericite and chlorite-quartz phyllites. These fine-grained rocks vary in colour from medium to dark green and are well sheared and foliated. Generally, the micaceous minerals are dominant, but the quartz content can vary from 10 to 49%. It should be remembered that only a small portion of the micaceous minerals are actually chlorite, but it is assumed that its' presence gives this unit its' green colour.

The sericite phyllite unit (04), which is found in close association with the Main Zone mineralization, consists of sericite and sericite-quartz phyllites. These fine-grained rocks are very light green in colour, well sheared and foliated and are very friable locally. The quartz component, which can comprise up to 49% of the rock, is usually found as lenses or discontinuous bands.

The mineralized coarse-grained white quartz unit (13) is approximately 26 metres long and 1.6 metres wide. It is presumed that this quartz body is a segregation of silica from the Main Zone and its' immediate hangingwall and footwall stratigraphy. It was noted during the course of the development that the silica content of the immediate hangingwall and footwall stratigraphies had noticeably decreased east of the 10670E crosscut (See Plan 4). It appears possible that the silica has been concentrated into this quartz "lense" found within the 830 metre drift.

The carbonaceous limestones (02) are generally fine to medium-grained, dark grey to black in colour and poorly to well banded. The dark colour is due to a large argillaceous and graphitic component. Locally, these limestones are highly siliceous (10825E) and can contain up to 50% white carbonate fracture filling.

The grey banded limestones (03) are medium-grained, moderately to well banded, recrystallized rocks. Generally, this sediment consists of a mosaic of carbonate and carbonate cement with distinct thin bands of subordinate argillaceous and clastic components. Locally, this unit is very siliceous (10830E).

4. Underground Mineralization

The Main Zone, which has an approximate average strike of 143° (132°-150°) and a dip of between 45°-65°E, consists, essentially, of bands, lenses, stringers and disseminations of massive sulphides. These massive sulphides are comprised of arsenopyrite and pyrite with lesser amounts of sphalerite and galena. Other visible minerals, which are generally seen in minor to trace amounts, include chalcopyrite, pyrrhotite, tetrahedrite and a series of lead-antimony sulphosalts. The Main Zone is found up to 3 metres wide in the underground development and includes up to 4 massive sulphide bands with intervening disseminated sections. Complex isoclinal folding has resulted in relative thickening and thinning of sulphide bands along strike. Individual sulphide bands also frequently split into multiple, discontinuous bands which may rejoin to form a continuous band or pinch out over a very short distance. In 1984, a general increase in the width and quantity of sulphides and their grain size is evident.

The 1984 portion of the 830 metre drift continued to follow the Main Zone mineralization with fairly good success. An attempt was made to follow the portion of the zone closest to the footwall limestones which proved to be the correct course of action.

Along strike, the Main Zone can be separated into 5 separate sections. The first section contains a thick mineralized zone that has the limestone footwall and this extends to 10704E where the limestone pinches out. Between 10704E and 10730E, the massive sulphides have pinched down to very narrow band(s) or lenses and disseminations. This section, generally, contains a very low base metal content. The third section, from 10730-10762E thickens up and there is an appreciable increase in sphalerite and galena. From 10762E to 10788E, the large, coarse-grained mineralized quartz body separates two bands of massive sulphides. Coarse-grained fracture fillings of galena, sphalerite and chalcopyrite with lesser amounts of pyrrhotite and pyrite are found near the outer margins of the quartz. The central core of the quartz is relatively, poorly mineralized. Although the mineralization in this region is erratic, it appears that there is a general increase in the sphalerite and galena content and a decrease in arsenopyrite. East of where the quartz body has terminated, the massive sulphides again thicken. Here, the sphalerite is abundant, but the galena content has decreased and the arsenopyrite content remains relatively low. The last section appears to be found at the last face where the host limestone has been saturated with extremely abundant, red to honey, very fine-grained sphalerite, lesser amounts of galena and pyrite and very little arsenopyrite.

Lateral sulphide zonations within the Main Zone are very vague, but generally the hangingwall sulphides tend to be more arsenical and those in the footwall, more pyritic. The footwall sulphide bands usually have a poorly to moderately developed banded texture, while the hangingwall band usually displays a "milled" texture with a coarse-grained arsenical and/or pyritic margin(s). This "milled" texture consists of fine to coarse-grained, rounded to subrounded pyrite, occasionally arsenopyrite or sphalerite in a very fine-grained sulphide matrix. The "milling" has been interpreted as a mylonitic texture which has been developed by episodes of strong shearing.

Things of note include irregular patches of extremely coarse-grained arsenopyrite which is found at 10604E and the thickest massive sulphide section which was observed between 10661E and 10674E. Several narrow, discontinuous pyrrhotite-rich bands were observed at 10591-10662E, 10649-10653E, 10673E and within the folded hangingwall limestone at 10570E. Fine-grained Pb-Sb sulphosalts were observed in minor amounts of several locations, but it is evident that when they are intermixed with the arsenopyrite and/or galena, they would be extremely difficult to recognize. Lenses and discontinuous bands of wallrock were also observed within the massive sulphides.

Mineralization within the footwall stratigraphy consists of minor wispy sphalerite bands, stringers and disseminations within the limestones and minor disseminations and stringers of pyrite, arsenopyrite and sphalerite within the phyllites.

Mineralization within the hangingwall stratigraphy consists of pervasive pyrrhotite along the foliation planes in the chloritic phyllites and minor, thin and discontinuous monomineralic bands, stringers and disseminations of pyrite, arsenopyrite and sphalerite within the quartz-sericite and sericite phyllites. In the 10820E crosscut, there are also several thin, discontinuous bands and lenses of sphalerite-rich massive sulphides within a sheared sericite-quartz phyllite. Similar sulphides are found at the footwall of the hangingwall limestone band as well as minor disseminated galena and sphalerite within the limestone itself. The hangingwall stratigraphy exposed in the 10670E crosscut is relatively barren of significant mineralization.

5. Structure and Alteration

Dr. Ken McClay of the University of London, England and Brian Marten of Selco, conducted a detailed structural evaluation of the J & L deposit during the fall of 1984.

Dr. McClay's work is summarized below:

The deformational history of the J & L deposit has been long and complex. Five phases of deformation were recognized, of which D3 is the most significant. The F3 folds are near isoclinal, oriented NW-SE with axial planes dipping moderately 45^{o}-60^{o} to the east. A penetrative S3 foliation has transposed earlier fabrics. Intense shearing along F3 fold limbs has produced tectonic slides which divide the area into tectonically bounded easterly dipping slices. The J & L massive sulphide sheet occupies one of these shear zones on the limb of an F3 fold. The exteme structural complexity at the J & L deposit precludes any accurate determination of stratigraphic thicknesses or relationships.

McClay's structural mapping enabled him to assemble the following deformation history:

a) D1 Deformation: This has been recognized in the footwall and hangingwall rocks as small local folds and as a grain fabric (S1) in the quartizitic units of the Hamill Group. The S1 fabric is folded and crosscut by later fabrics. The D1 folds are oriented NW-SE subparallel to the regional structural grain, but this orientation may in part result from transposition of D1 structures by the extremely strong and penetrative D3 deformation. The F1 folding which produced early isoclinal-near isoclinal folds with the development of an intense grain shape fabric S1 in the quartzitic units.

b) D2 Deformation: This has been recognized by the occurrence of small buckle folds and the development of a spaced pressure solution cleavage S2. The S2 fabric is best observed in the quartzites and can also be seen in thin section as a preferred orientation of sericite flakes. The S2 fabric can clearly be seen to be cutting the compositional banding (S0) and in places is oriented E-W suggesting that some F2 folds were at least locally oriented E-W. The S2 fabric is penetrative and spaced which indicates a component of pressure solution and is folded into crenulation like folds of the D3 deformation.

c) D3 Deformation: This is responsible for the major folds and the dominant penetrative S3 foliation in the vicinity of the J & L deposit. The major folds are near isoclinal and trend NW-SE with variable plunges from 30°-350° to 40°-050°. A penetrative axial planar foliation S3 is developed in these folds. At the J & L, major fold closures are not observed, but asymmetric minor folds reveal the major fold structures.

Minor F3 folds are well developed showing the development of a spaced penetrative axial planar cleavage. In the quartz-sericite phyllites, transportation into this penetrative S3 foliation has obliterated most of the earlier fabrics. In thin section domainal fabrics are seen with the S2 sericite fabric preserved in lensoidal domains.

In addition to the development of minor folds on major F3 fold limbs, ductile D3 shear zones are also developed with quartz vein tension gashes. Quartz veining parallel to S3 or sub-parallel to S3 is common.

A well developed intersection/rodding lineation L3 is found throughout the area mapped, plunging from 30°-345° to 40°-060°. This distribution of L3 is in part caused by slight ore folding during D4 folding.

D3 deformation has produced significant syn-metamorphic faults - tectonic slides characterized by high strain zones on fold limbs and disruption of folded units on planes sub-parallel to the dominant foliation S3. This style of deformation is well illustrated in small scale structures found underground. The resultant slicing up of the folded units makes stratigraphic correlations difficult.

d) D4 Deformation: This produces local, small scale F4 folds which have upright axial planes and plunge 10°-40° to 100°-120°. F4 folds fold the S3 foliation and in the more phyllitic rocks develop an axial planar crenulation cleavage. A well developed crenulation lineation L4 plunging 10°-40° to 100°-120° is found on S3 surfaces.

e) D5 Deformation: This is confined to minor reverse kink bands in the hangingwalls of brittle contraction faults. The F5 axial planes generally dip steeply westward striking approximately 340° and the F5 fold axes plunge gently 5°-10° to 160°-170°. The D5 faults have gouge on the fault planes indicating high level brittle deformation.

Detailed structural mapping of the 10350E, 10500E and 10670E crosscuts was completed by McClay and Marten and the results are as follows:

a) 10350E: The ore zone is strongly foliated (S3 foliation) with interleaved foliated marble bands. Fragments of foliated schists occur in the massive sulphides and the hangingwall consists of foliated marble and a black quartzite with foliation parallel sphalerite "veins". Minor F5 kink bands occur in the strongly foliated hangingwall quartzite.

Structural data shows redistribution of poles to S3 about an F4 fold axis plunging 39°-110°. L3 lineations plunge 44° to 020° and L4 lineations plunge variably from 40° to 090° to 30° to 135°. The massive sulphide ore bands exhibit a "milled" ore texture with elongate vein and schist fragments and are parallel to the S3 foliation.

b) 10500E: The hangingwall quartzites and quartz-sericite schists are strongly folded by F3 folds with a penetrative S3 foliation. Numerous tectonic slides occur on fold limbs dividing the section into panels of highly folded quartzites and quartz-sericite schists separated by discontinuities-tectonic slides. Exact movement on the tectonic-slides cannot be determined, in many cases it appears to be reverse movement up-dip to the west.

The quartz-sericite schists are strongly transposed into the S3 foliation. The S3 foliation is very intense and there maybe considerable movement along this foliation surface. In places this movement can be seen by the displacement of quartzite bands. Considerable flattening strain is taken up in the folding and accompanying foliation development.

Many F3 folds are intrafolial, particularly in the limestone and quartzites where S2 fabrics are well displayed. Insufficient S0-S1-S2 relationships were found to allow an interpretation of F2 and F1 fold geometries.

The massive arsenical sulphides are concentrated at the base of the ore zone and sphalerite and quartz are concentrated towards the hangingwall. Fragments of quartz veins and sheared schists are found within the banded arsenopyrite-pyrite portions of the ore zone.

Structural poles to S3 show the foliation dipping from 44^{o}-60^{o} towards 030^{o}-060^{o}. L3 lineations are widely distributed, in part reflecting earlier S2 deformation and partly reflecting redistribution by F4 folding. F3 fold axes show a similar distribution whereas L4 (crenulation lineations) plunge from 30^{o}-40^{o} to 080^{o}-120^{o}. Late brittle faults (with gouge) have associated upright kink bands.

c) <u>10670E:</u> The crosscut passes through intensely folded quartzites and quartz-sericite schists which display well developed F3 folds and S3 foliation. The F3 folds are 1-2 m wavelength comprising irregular folded lenses of quartzites in strongly foliated quartz-sericite schists. The folds are near-isoclinal with a penetrative axial planar S3 fabric. The fold limbs are intensely sheared, resulting in dislocations parallel to S3. S2 spaced foliations are observed in the quartzitic layers. The unusual nature of the fold hinges reflect the effects of earlier (D1 and D2) deformations resulting in boudinaged quartzite layers which are then refolded by F3 folds. The folded quartzite layers have thickened hinge zones indicating a component of flattening in the D3 deformation. Multiple F3 folds are developed throughout the crosscut, all showing the development of a penetrative S3 foliation. In places, quartz "veins" are transposed into the S3 fabric as are the compositional bands of the quartzite.

Structural data indicates a mean S3 foliation plane dipping 50° to 063°. Minor fold axes are variably developed (on F3 fold limbs), but generally plunge 37° to 117°.

d) A summary of work done by Selco geologists in the 10820E crosscut is as follows: The S2 banding is the earliest structure observed and is oriented at $108^{\circ}/48^{\circ}$NE. The S3, which is at $140^{\circ}/48^{\circ}$ is axial planar to the F3 isoclinal folds that fold the S2 banding. Only a few F3 folds were observed, but the low angle between the banding and the foliation suggests isoclinal folding. The folds are best preserved in quartzite bands and plunge 47° to 035°. The S4 foliation, which is axial planar, is oriented at 120°/vert. A few chevron folds were observed and they fold both the S2 and S3 and plunge at 20° to 120°. These are F4 folds and generally occur in the phyllitic rocks. The S5 foliation is axial planar and oriented at $108^{\circ}/60^{\circ}$S. Late brittle kinking represents the final folding phase (F5) and is uncommon.

Since the 830 m drift follows the strike of the Main Zone, the F3 folds are poorly exposed, but the crosscutting F4 folds are well developed. The F4 folds refold the ore zone and fold the dominant S3 foliation with upright axial planes and are generally kink-like except in the more ductile sulphides. There are clear discordances between the ore zone and hangingwall foliations and the footwall foliations. It should be noted that the mean F4 fold axis plot is sympathetic with the plot of the limestone contours (See Plan 22).

McClay summarized by stating that the sheet-like nature of the sulphide body and its structural disposition in the shear zone precludes any major tectonic thickening in the deposit. This type of tectonic regime is characterized by intense flattening and thinning of units. The thickness variations are rapid and are a result of the heterogenous nature of the shearing strains rather than any geometric structural control. Shearing strains would tend to be concentrated in the ductile sulphides rather than the more competent quartzite and quartz-sericite schists.

Pervasive, sericitic alteration is found within all lithologies and is extensively developed within the Main Zone and its' immediate hangingwall and footwall rocks, but is masked by the footwall limestones. A detailed study of all of the drill sections (crosscuts and J.V.) revealed that this sericitic envelope ranges from 2.1 to 21.3 m wide.

Whether the sericite is due entirely to faulting and shearing or the emplacement of the sulphides is unknown. The most significant observation is that the sericitic halo is found accompanying all of the sulphide horizons at the J & L. The sericite alteration is strong to very strong at the Main and North Zones, but relatively weak at the West and Far East Zones.

Silicification is also found, locally. Limestones, within the Main Zone, are extensively silicified near the end of the 830 drift. There is also a thick siliceous section of quartzites and quartz-chlorite schists above the Main Zone in the 10670E crosscut which maybe, in part, due to silicification.

GEOCHEMISTRY

1. Sampling

A total of 20 heavy mineral concentrate samples were collected from the J & L claim area during the field season. These samples were collected from Kelly Creek, Carnes Creek and McKinnon Creek. The sampling was done in order to determine the distribution of significant elements upstream and downstream of the J & L deposit, to ascertain approximate distances of tansport for the various metals so that the information could be applied to reconnaissance sampling in other areas where arsenical-gold deposits might be expected and to try to locate any additional mineralized occurrences within the claim area (See Figure 29).

A total of 56 surface chip samples were collected for assaying from the new showings on Roseberry Mountain (See

Figures 12-28). Three chip samples of the dioritic intrusive were also collected in order to test for low grade precious metal values and was reported from the "Roseberry Prospect". The surface crew chipped 157 lithogeochemical rock samples from L2+00N (82 samples) and L6+00N (75 samples) and collected numerous representative rock samples from Roseberry Mountain.

Sampling from the underground development consisted of samples from the 830 metre level drift, the new crosscuts and the drill core.

Detailed chip sampling of every 2nd round (approximately every 3.5 metres) drift face was completed as the drift advanced. Chip samples of each lithology, with a maximum sample length of one metre, were taken at 3 different horizontal levels across the face. These were at 0.50, 1.30 and 2.10 metres, respectively, above the rail elevation. This sampling was done in order to obtain detailed data on the nature and tenor of the mineralization within the Main Zone. A total of 1248 drift face chip samples were collected (See Appendix II).

Check samples, which consisted of placing 1 tablespoon of material from a previously assayed bulk sample into a sample bag, were put into sample shipments in order to test the reliability of our assay results. A total of 29 check samples were taken. A duplicate chip sample of every 50th drift face sample was also collected and sent to a different assay lab in order to, roughly, test the magnitude of our results. A total of 17 duplicate samples were sent out for assaying. Specific gravity samples were also collected from every 2nd round drift face and these consisted of collecting a repesentative grab sample of each middle row chip sample.

Lithologic chip samples were also taken, at a height of 1.30 metres above the rail, along the west wall of the 2 crosscuts. Detailed, three level, chip sampling was also done in the 10820E crosscut, where significant sulphide mineralization was encountered. A total of 102 chip samples from the 10670E crosscut and 158 chip samples from the 10820E crosscut, were collected.

Other samples collected included 2 grab samples from the drift and 16 detailed chip samples of 2 selected, folded massive sulphide bands. The grab samples included one massive sulphide sample which was pyrrhotite-rich and one of very coarse-grained arsenopyrite. The pyrrhotite samples was taken to test for minor accessory elements and the arsenopyrite sample was collected in order to test the relationship of precious metal content to arsenopyrite grain size. The fold samples were taken in order to investigate the distribution of assayed elements with respect to fold noses and limbs (See Figures 30 and 31).

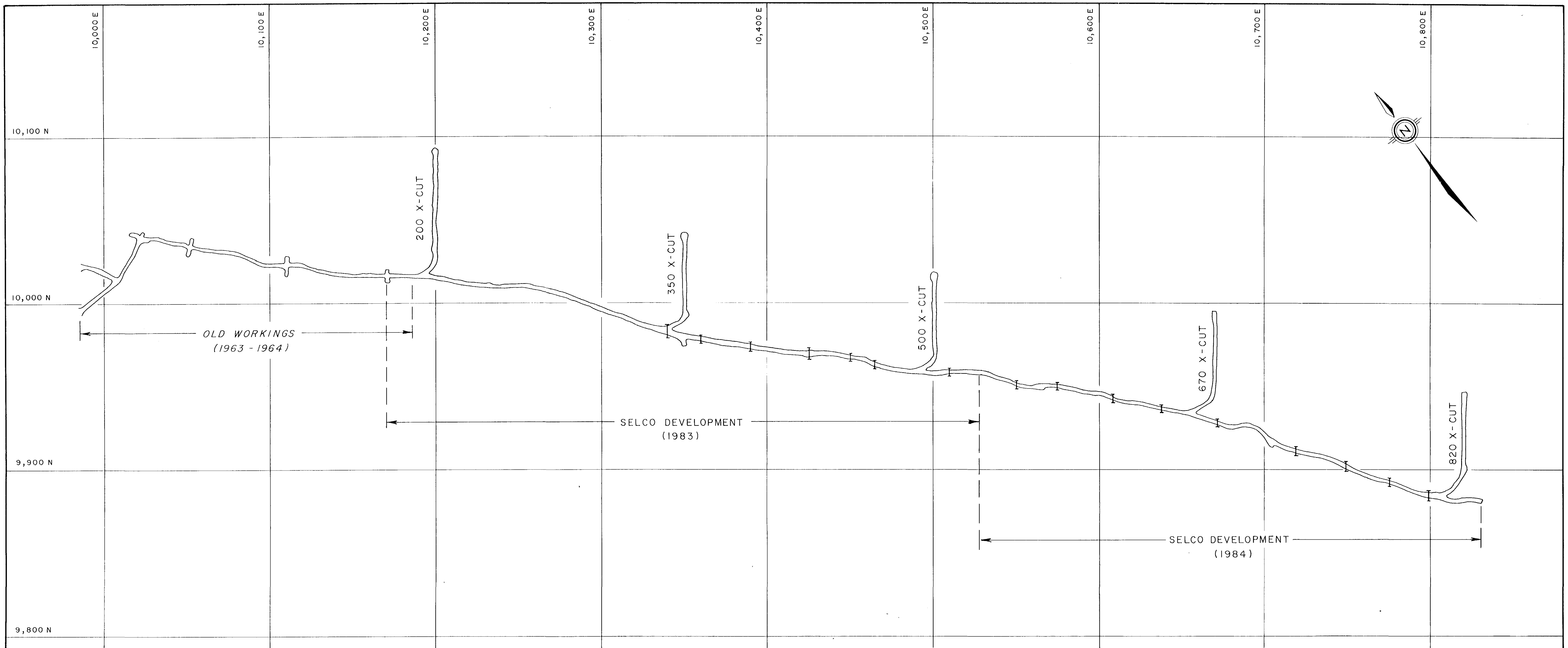
Sampling of the underground workings, during 1984, amounted to 1543 samples. Numerous, representative grab samples were collected from the drift and the two crosscuts. One 5-gallon pail was also filled with massive sulphides from the muck pile of every second round blast in the 830 metre drift. These were collected and stored in order to have samples available for possible future metallurgical testing.

A metallurgical sample, which is being used this year, was collected at 16 strategic locations from within the 1983 and 1984 underground development. These samples consisted of continuous chip samples across the drift back and each sample filled, approximately, half of a 5-gallon sample pail. The samples were taken from the following locations: 10340E, 10360E, 10390E, 10425E, 10450E, 10465E, 10510E, 10550.6E, 10574.505E, 10607.92E, 10637.73E, 10671.65E, 10718.442E, 10749.64E, 10774.81E, 10799.48E. These samples should be reasonably representative of the Main Zone mineralization at the 830 metre level (See Figure 9).

Sampling of the drill core consisted, primarily, of split/cut massive sulphide sections, the intervening country rock and at least one metre of each of the hangingwall and footwall lithologies, on either side of the mineralization. These core samples were taken according to lithology and a maximum sample length of one metre was taken. A total of 291 core samples were collected.

2. Analysis

In an attempt to reduce costs, only the chip samples from the new surface showings and the intrusive samples were sent to the lab. Underground, only the middle row of chip samples from unmineralized drift faces and both the middle and top rows of chip samples from the 10820E crosscut mineralized section and the mineralized drift faces were



I SAMPLE SECTIONS
(taken across drift back)

0 20 40 60 80 100
METRES

SELCO DIVISION -
BP RESOURCES CANADA LIMITED

J & L PROJECT
METALLURGICAL SAMPLE LOCATIONS
830m LEVEL DRIFT

SCALE 1 : 2,000	DRAWN BY: R. PEGG	FIG. 9
DATE JANUARY 1985	DRAFTED BY: L.G.	
N.T.S. 82 M / 8 E	PROJ. 10120	REPORT BPVR 84 - 53

sent out for assaying. Thus, only 1343 samples were assayed/geochemed and this included 59 surface chip samples, 877 drift face samples, 52 crosscut samples, 16 fold nose samples, 29 check samples, 17 duplicate samples, 2 representative samples and 291 drill core samples. The remaining samples and drill core are being stored in Castlegar, BC.

The samples were shipped from Revelstoke to Chemex Labs Limited of North Vancouver for analysis. Most of the samples were assayed for Pb, Zn, As, Ag and Au. The pyrrhotite-rich representative sample was geochemically assayed for Sn, W, Sb, Cd, Ni and Bi.

The duplicate samples were shipped from Revelstoke to Min-En Labs Ltd. of North Vancouver and were assayed for Pb, Zn, As, Ag and Au.

The Chemex assay methods are as follows:

a) Pb-Zn(%): A 2 gram sub-sample is digested in hot perchloric-nitric acid mixture for two hours, cooled, then transferred into a 250 ml volumetric flask.

Nitric acid is added to the final sample and standard solutions. The solutions are then analyzed on an atomic absorption instrument.

b) Ag-Au(g/t): Silver and gold analyses are done by standard fire assay techniques. In the sample preparation stage the screens are checked for metallics which, if present, are assayed separately and calculated into the results obtained from the pulp assay. The 0.5 assay ton sub-samples are fused in litharge, carbonate and siliceous fluxes. The lead button containing the precious metals is cupelled in a muffle furnace. The combined Ag and Au is weighed on a microbalance, parted annealed and again weighed as Au. The difference in the two weighings is Ag.

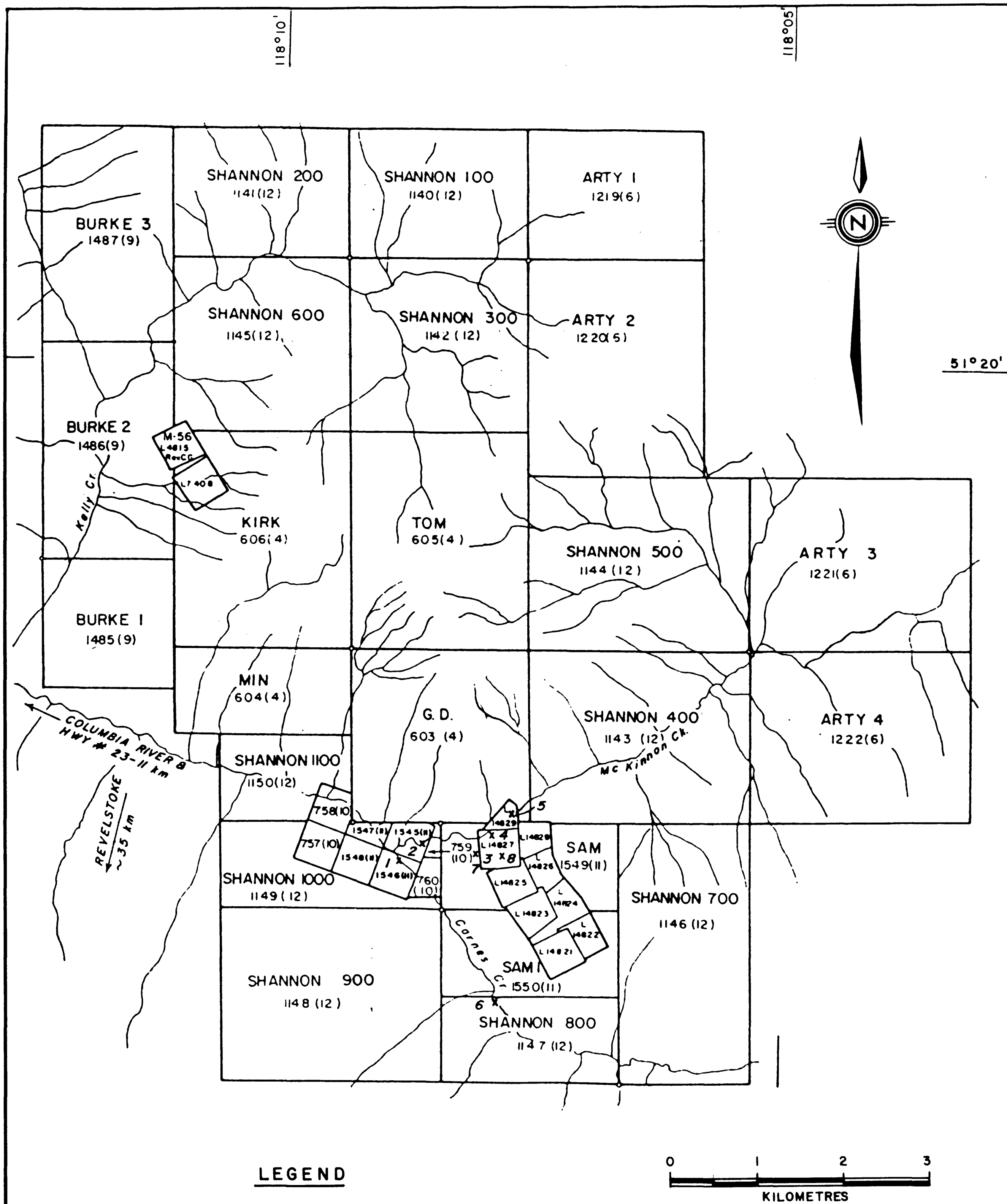
c) Arsenic(%): A one gram sample is irradiated in a thermal neutron flux. The gamma activity of the resulting arsenic isotopes is determined by gamma spectroscopy to quantify the arsenic content to the detection limit of 0.001%

3. Environmental Monitoring

Water samples were again collected twice a month from both Carnes and McKinnon Creeks, both up and downstream from the area influenced by the underground exploration program (See Figure 10). One sample of rain water and one from the water draining diamond drill hole 83-12 were collected to obtain background results. A total of 69 samples were collected this year.

Samples were collected in plastic containers and shipped to Barringer Magenta Ltd. of Calgary, for analysis. All samples were analyzed for Cu, Pb, Zn, Fe, As, Hg, pH, Alkalinity and Hardness. The second, monthly sample was additionally analyzed for dissolved solids, Br , CL , F , NO_2 , NO_3 ; PO_4 and SO_4 . This analysis was recommended by the Ministry of the Environment. Notes were also kept on the weather and creek conditions which could affect results.

Results to date indicate a normal annual fluctuation of element levels within drainage waters at the J & L. Highest values for "contaminants" is in the spring months of March, April and May during runoff conditions. The



LEGEND

x *1,6* ...Carnes Ck. Water Sample Location

x *2,5* ...McKinnon Ck. Water Sample Location

x *3* ...Drinking Water Sample Location (Spring)

x *4* ...Adit Water Sample Location (Location of U/G Activity)

x *7* ...Rain Water

x *8* ...D.D.H. 83-12

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J & L PROJECT
WATER SAMPLE LOCATIONS

SCALE As Shown	DRAWN BY: R. PEGG	FIG. 10
DATE NOV. 1984	DRAFTED BY: J. S.	
N.T.S. 82 M / 8E	PROJ. 10120	REPORT BPVR 84-53

August 16, 1983 sample (Site 4) reflects increased site development activity underground with track rehabilitation with a resultant increase in contaminants to the mine discharge water. Sites 1 and 2 identify abnormal runoff conditions during mid-October 1983 with an associated increase in total dissolved solids.

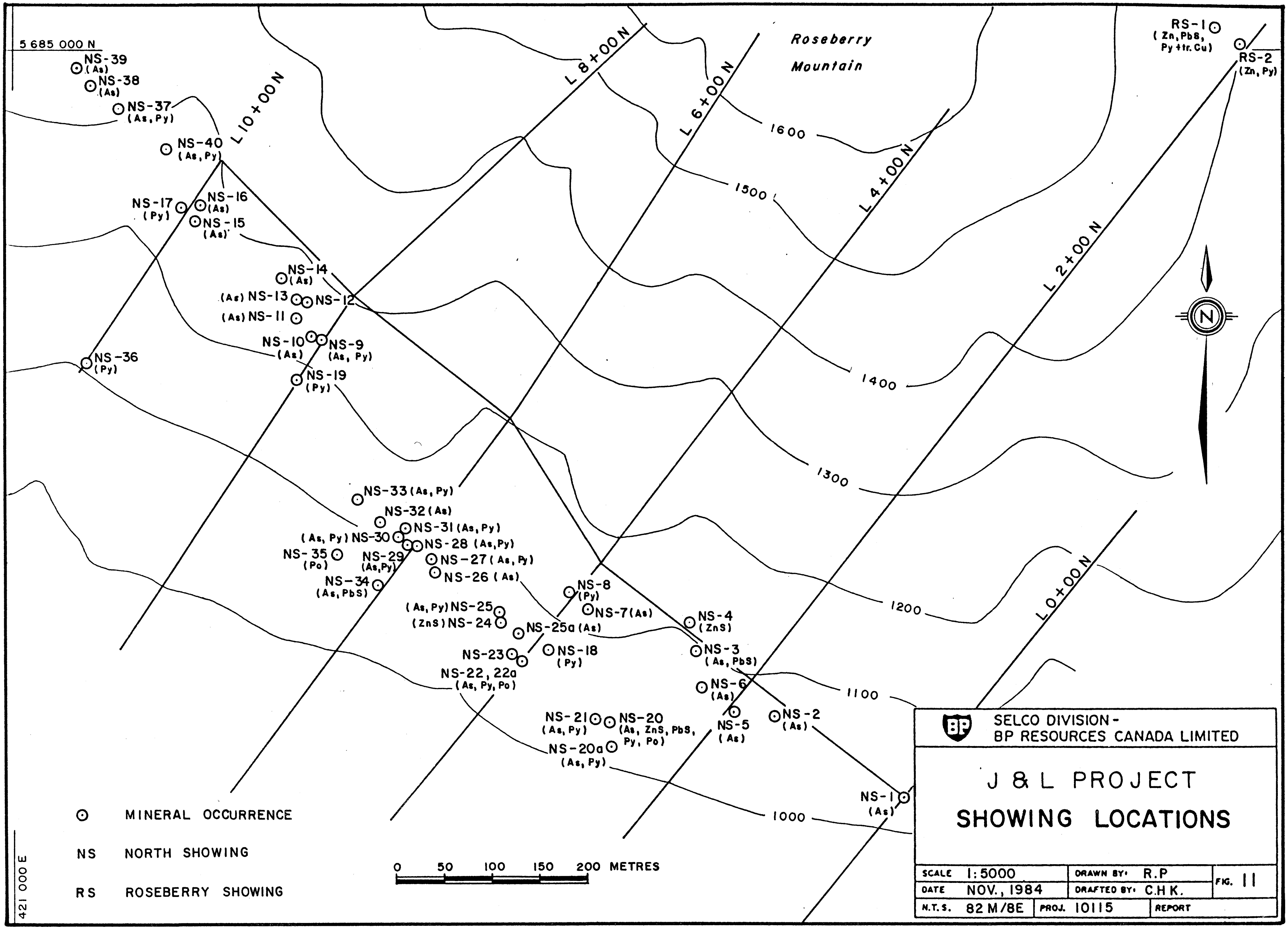
In conclusion, no significant contamination of the drainages has been identified due to active exploration work at the J & L. Levels of all "poisonous" substances such as arsenic, mercury, lead, etc, show only natural fluctuations with no abnormal concentrations or increasing trends with time.

Water sampling of the all drainage sites will continue during 1985 as field conditions permit.

ECONOMIC GEOLOGY

1. Surface Showings - Roseberry Mountain

During 1984, the surface crew located 44 mineral occurrences on the south slopes of Roseberry Mountain (See Figure 11) and extended the North Zone for 1150 metres to



5 685 000 N
421 000 E
Roseberry
Mountain
L 10+00 N
L 8+00 N
L 6+00 N
L 4+00 N
L 2+00 N
L 0+00 N
1600
1500
1400
1300
1200
1100
1000
N
RS-1 (Zn, PbS, Py+tr. Cu)
RS-2 (Zn, Py)
NS-39 (As)
NS-38 (As)
NS-37 (As, Py)
NS-40 (As, Py)
NS-17 (Py)
NS-16 (As)
NS-15 (As)
NS-14 (As)
(As) NS-13
NS-12
(As) NS-11
NS-10 (As)
NS-9 (As, Py)
NS-36 (Py)
NS-19 (Py)
NS-33 (As, Py)
NS-32 (As)
NS-31 (As, Py)
(As, Py) NS-30
NS-28 (As, Py)
NS-35 (Po)
NS-29 (As, Py)
NS-27 (As, Py)
NS-26 (As)
NS-34 (As, PbS)
NS-8 (Py)
NS-7 (As)
(As, Py) NS-25
(ZnS) NS-24
NS-25a (As)
NS-4 (ZnS)
NS-3 (As, PbS)
NS-23
NS-18 (Py)
NS-22, 22a (As, Py, Po)
NS-6 (As)
NS-21 (As, Py)
NS-20 (As, ZnS, PbS, Py, Po)
NS-5 (As)
NS-2 (As)
NS-20a (As, Py)
NS-1 (As)
MINERAL OCCURRENCE
NS NORTH SHOWING
RS ROSEBERRY SHOWING
0 50 100 150 200 METRES
BP
SELCO DIVISION - BP RESOURCES CANADA LIMITED
J & L PROJECT
SHOWING LOCATIONS
SCALE 1:5000
DRAWN BY: R.P
FIG. 11
DATE NOV., 1984
DRAFTED BY: C.H.K.
N.T.S. 82 M/8E
PROJ. 10115
REPORT

the northwest of the original North Zone showing (NS-1). Forty of the occurrences, which are comprised essentially of arsenopyrite and/or pyrite with varying amounts of scorodite and jarosite, are hosted by quartzites and sericitic phyllites of the Hamill Group. Hydrozincite, sphalerite, galena, chalcopyrite and pyrrhotite were also observed, locally, in small amounts. The host rocks are well sheared and exhibit a strong to moderate, narrow sericite halo which was also observed along the main zone on Goat Mountain. It should also be noted that a discontinuous, grey banded limestone bed was observed in the immediate footwall at NS-20 and NS-24.

The above showings were broken down into 4 groups (See Table III). The Upper and Lower Showings are the most significant and they trend at $148^{\circ}/50^{\circ}$NE, subparallel to one another and are, approximately, 85 metres apart, horizontally. These showings consist of between 1 and 4 massive arsenical bands and/or stringer zones which vary between 0.005 and 1.270 metres, estimated true width. The arsenical massive sulphide bands are oxidized and leached to varying degrees, narrow and discontinuous and appear, locally, to grade into arsenical stringers and/or gossaneous pyritic zones.

TABLE III

1984 SURFACE SHOWING DESCRIPTION - ROSEBERRY MOUNTAIN

Showing No.	Mapped and Sampled	(m) Elev. (*Elev. from map)	(m) Maximum-Minimum true thickness of sulph.zone (*true thickness at sample face)	Observed Strike Length (m)	Terminations	Surface Trend of Mineralization	Description of Sulphide Zone	Condition of Sulphide Zone	Description of Hangingwall	Description of Footwall
Hangingwall Showings: NS-1 to NS-4, inclusive (hosted by Hamill Group stratigraphy)										
NS-1	x (1983)	1030*	0.050	10.2	Pinched out in both directions.	150°	Massive As plus scorodite in a quartz gangue.	Moderately oxidized	Sheared dirty quartzite	Sheared dirty quartzite
NS-2	x	1080 (1070)*	0.070-0.040	4.0	Covered by overburden in both directions.	150°	Top 2 cm - Massive sulphide - 40% As plus scorodite in a quartz-sericite gangue with trace Py. Lower 5 cm - 10-20% disseminated As plus scorodite in a quartz-sericite gangue.	Moderately to heavily oxidized (scorodite)	Sericite-Quartz phyllite - highly fissile, highly friable - iron oxides on foliation planes - bleached	Sericite-Quartz phyllite - highly fissile, highly friable - iron oxides on foliation planes - bleached
NS-3	x	1090 (1095)*	0.090-0.000	7.0	Pinches out to the west, covered by overburden to the east.	140°	Massive sulphide - 80% As, 5% Py, <5% Pbs, plus 0-10% scorodite in a quartz-sericite gangue.	Fresh, except locally up to 10% scorodite.	Quartz-Sericite phyllite - moderately fissile - minor disseminated Py plus very small Py stringers - minor interbanded sericite phyllite	Sericite phyllite - minor interbanded quartz-sericite phyllite - moderately fissile - minor Py stringers - mildly iron stained
NS-4		1115*	0.100	approximately 20.0	Pinches out in both directions.	140°	Narrow leached ZnS stringers plus hydrozincite with a speck of Pbs - minor Py plus Po occurs in quartz lenses.	Oxidized, calcareous (hydro-zincite)	Quartz-Sericite phyllite - moderately to highly fissile	Quartz-Sericite phyllite - moderately to highly fissile
Upper Showings: NS-5 to NS-17 and NS-37 to NS-40, inclusive (hosted by Hamill Group stratigraphy)										
NS-5		1065*	0.020-0.010	zone may continue for 30 m to NS-6	Covered by overburden to the east, and could not be traced to the west due to a steep cliff.	128°	Massive sulphide - 30% fine-grained to coarse grained As plus 65% scorodite in a quartz-sericite gangue, zone gets pinched out by barren quartz vein lenses.	Heavily oxidized (scorodite)	Sericite phyllite - minor quartz component - heavily iron stained	Calcareous grit - thin sericitic bands in a dark reddish-brown banded unit.
NS-6		1065*	0.010-0.000	3.0, but the horizon may be cont. to	Pinched out in both directions.	130°	Massive sulphide - 30% fine grained to coarse-grained As plus 65% scorodite in a quartz-sericite gangue.	Heavily oxidized (scorodite)	Sheared phyllite - moderately iron stained	Sheared sericite phyllite - moderately iron stained

Showing No.	Mapped and Sampled	(m) Elev. (*Elev. from map)	(m) Maximum-Minimum true thickness of sulph.zone (*true thickness at sample face)	Observed Strike Length (m)	Terminations	Surface Trend of Mineralization	Description of Sulphide Zone	Condition of Sulphide Zone	Description of Hangingwall	Description of Footwall
NS-7		1125*	0.015–0.005	7.5	Pinched out to the east, covered by overburden to the west.	146°	Massive As plus minor scorodite in a quartz gangue	Weakly oxidized (scorodite)	Sheared sericite phyllite - heavily iron stained - minor quartz veins with minor chlorite	Sheared sericite phyllite - heavily iron stained - clay alteration
NS-8		1130*	N.A.	N.A.	N.A.	N.A.	Py stringers approximately 1%	Heavy jarosite plus limonite staining	Clean Quartzite - heavily iron stained - minor quartz veins with minor chlorite	Clean Quartzite - heavily iron stained - minor quartz veins with minor chlorite
NS-9	x	1270 (1240)*	0.100–0.050	10.0	Pinched out to the west, covered by overburden to the east.	140°	Massive As with minor scorodite, jarosite plus limonite. Minor intercallated jarosite stained, bleached quartzite with trace Py.	Minor oxidation (scorodite, jarosite, limonite)	Quartzite - highly bleached - clean - iron stained on weathered and fresh surfaces	Quartzite - foliated - moderately fissile - sericite on foliations - locally bleached - 3% limonite
NS-10		1240*	0.030	0.25	Pinched out in both directions.	144°	Massive As with minor scorodite in a quartz gangue.	Minor oxidation (scorodite)	Quartzite - heavily iron stained	Quartz-Sericite phyllite - heavily iron stained
NS-11	x	1270 (1245)	0.050–0.005	12.5	Pinched out to the west, covered by overburden to the east.	148°	Massive sulphide - 15-30% As plus 50-70% scorodite in a quartz gangue.	Heavily oxidized (scorodite)	Sericite-Quartz phyllite - moderately fissile - minor limonite horizons	Sericite phyllite - moderately to highly fissile - 15% boudinaged quartz veins - minor quartzite
Note: The following three showings (NS-12, 13, 14) are all part of the same horizon that has a total observable strike length of 59 m										
NS-12		1265*	0.100–0.000	4.0	Pinched out in both directions.	130°	Massive As with up to 70% scorodite in a quartz gangue.	Heavily oxidized (scorodite)	Quartzite - bleached, sheared - jarosite stained	Quartzite - bleached - jarosite stained
NS-13	x	1280 (1265)*	0.220–0.005	9.0	Covered by overburden in both directions.	130°	Massive sulphide - 15-50% As, 40-80% scorodite in a quartz gangue. The zone grades laterally into As stringers within highly bleached, sheared quartzite.	Heavily oxidized (scorodite)	Quartzite - clean, bleached - moderate limonite plus jarosite staining - trace Py	Quartzite - bleached - minor sericite phyllite - locally up to 5% limonite
NS-14	x	1280 (1275)*	0.080–0.020	4.1	Covered by overburden in both directions.	144°	Massive sulphide - 70% As plus 15% Py in a quartz gangue.	Fresh	Quartzite - dirty with minor sericite phyllite - cleaner quartzite near mineralized horizon - 2% limonite after Py - trace Py	Quartzite - clean, massive - 1-2% coarse grained Py - weakly iron stained
NS-15		1265*	0.070–0.020	1.2	Pinched out in both directions.	140°	Massive sulphide - 30% As plus 50% scorodite in a quartz gangue.	Heavily oxidized (scorodite)	Sericite - Quartz phyllite - moderately fissile - moderately iron stained	Sericite - Quartz phyllite - moderately fissile

Showing No.	Mapped and Sampled	(m) Elev. (*Elev. from map)	(m) Maximum-Minimum true thickness of sulph.zone (*true thickness at sample face)	Observed Strike Length (m)	Terminations	Surface Trend of Mineralization	Description of Sulphide Zone	Condition of Sulphide Zone	Description of Hangingwall	Description of Footwall
NS-16		1275*	<0.010	<1.0	Pinched out to the west, covered by overburden to the east.	138°	Massive As with moderate scorodite	Moderately oxidized (scorodite)	Quartz - sericite phyllite - minor quartzite	Quartz - sericite phyllite - minor quartzite
NS-17		1260*	<0.010	N.A.	N.A.	135°	Two gossaneous pyritic horizons with approximately 2% disseminated Py in blueish-white ultra clean quartzite.	Heavy iron staining (limonite, hematite, jarosite)	Quartzite - clean, bleached - minor bands of sericite-quartz phyllite - iron stained	Sericite - Quartz phyllite - minor interbanded clean quartzite
NS-37 (same horizon as NS-38)	x	1350 (1315)*	Zone 1: 0.250 (at fold nose)-0.005 (on fold limbs) Zone 2: 0.180-0.140	65.0	Covered by overburden in both directions.	116°	Zone 1: Massive sulphide - 30% medium grained As plus 20% coarse grained Py in a quartz gangue. Zone 2: Massive sulphide - 85% As in a quartz gangue.	Moderately weathered (scorodite) Fresh (minor scorodite)	Quartzite - clean, bleached - locally contains minor As plus Py as thin stringers and disseminated grains	Quartzite - clean, bleached - minor sericite on foliation - contains 1-2 cm wide massive As horizon
NS-38 (same horizon as NS-37)	x	1370 (1335)*	0.200-0.140	65.0	Covered by overburden in both directions.	116°	Two bands of massive sulphide, one on top of the other. The lower band contains 70% As in a quartz gangue. The upper band contains 50% As in a quartz gangue with minor interbanded bleached quartzite.	Upper zone is moderately oxidized (scorodite) Lower zone is fresh	Quartzite - clean, massive, bleached - minor As stringers	Quartzite - cleaned, bleached - minor sericite on foliation planes - minor jarosite, plus limonite staining
NS-39		1360 (1355)*	0.015-0.002	3.8	Covered by overburden in both directions.	106°	Thin band of massive As	Weakly oxidized (scorodite)	Quartzite - very clean - hematite stained - minor As stringers	Quartzite - clean, highly bleached - minor sericite on foliation planes
NS-40		1270*	0.020-0.010	10.0	Covered by overburden to the west, could not be traced east due to steep cliff.	140°	Two thin bands of massive As with minor Py.	Weakly oxidized (iron oxides)	Quartzite - clean - minor interbanded quartz-sericite phyllites	Quartzite - clean - minor interbanded quartz-sericite phyllite - heavily iron stained
Middle Showings: NS-18 and NS-19, inclusive (hosted by Hamill Group stratigraphy)										
NS-18		1075*	<0.010	N.A.	N.A.	142°	Gossaneous pyritic zone with approximately 3% Py in stringers.	Iron stained	Quartzite - clean, massive - brown	Quartzite - clean, massive - brown

Showing No.	Mapped and Sampled	(m) Elev. (*Elev. from map)	(m) Maximum-Minimum true thickness of sulph.zone (*true thickness at sample face)	Observed Strike Length (m)	Terminations	Surface Trend of Mineralization	Description of Sulphide Zone	Condition of Sulphide Zone	Description of Hangingwall	Description of Footwall
NS-19		1185*	<0.010	N.A.	N.A.	127°	Gossaneous pyritic zone with approximately 8% Py in stringers.	Heavy iron staining (jarosite, hematite, scorodite?)	Quartzite - clean, massive	Quartzite - clean, massive
Lower Showings: NS-20a, NS-20 to NS-22, NS-22a, NS-23 to NS-24, NS-25a, NS-25 to NS-33, inclusive (hosted by Hamill Group stratigraphy)										
NS-20a (old workings)		1020 (1014)*	0.400	6.4	Covered by overburden in both directions.	113°	As, plus Py stringers in ultra clean quartzite with minor sericite on foliation planes - 2% As, 2% Py	Fresh	Quartzite - pervasively iron stain - massive to semi massive	Sericite phyllite - heavily stained with limonite plus minor jarosite - bleached
NS-20 (same horizon as NS-21	x	1020 (1035*)	Zone 1: 0.220* Zone 2: 0.160* Zone 3: 0.310* Zone 4: 0.660*	<4.0 <4.0 69.0 <4.0	Most of the zones pinch out in both directions. Zone 3 is pinched out to the west and covered by overburden to the east.	138°	Zone 1: Disseminated fine grained PbS and ZnS associated with boudinaged quartz veins Zone 2: Massive arsenopyrite with minor scorodite, Py, jarosite and chlorite. Zone 3 & 4: Bands of massive As (up to 4 cm wide), hosted in quartzite and sericite phyllite respectively, with trace PbS, ZnS, Py and scorodite. Along strike, a band from Zone 3 locally contains Po (up to 50%) and trace chalcopyrite.	Fresh Moderately oxidized (scorodite) Fresh	Quartz - sericite phyllite - bleached, sheared - talc plus clay alteration in sheared zones - heavy limonite plus jarosite staining	Sericite - phyllite - carbonate fracture filling - underlain by limestone Limestone - grey, thinly banded - minor limonite staining - pinches down to 20 cm below NS-21 and pinches out completely 2 m west of NS-21 - does not outcrop to the east
NS-21 (same horizon as NS-20)	x	1040 (1035)*	0.810*	69.0	Pinched out to the west covered by overburden to the east.	138°	Highly sheared, bleached sericite phyllite with 5% As - 3% massive As stringers, 2% disseminated As with trace ZnS and PbS and 10% scorodite in massive zones. Zone slumped 22 cm down.	Heavily oxidized (jarosite, limonite)	Sericite phyllite - minor interbanded quartzite - weakly iron stained - 10% boudinaged quartz veins - moderately fissile - locally contains minor talc	Quartzite - locally bleached - moderate jarosite staining - moderately fissile with sericite on foliation planes - contains trace As stringers - trace disseminated Py
NS-22	x	1110 (1050)*	Zone 1: 1.270* Zone 2: 0.900*	13.5	Covered by overburden to the east and appears to be terminated by a fold nose to the west.	140°	Zone 1: Thin As and Py stringers plus disseminated As and Py in clean, white massive quartzite. Zone 2: Trace As and Py as stringers and disseminated grains in bleached, weakly foliated quartzite.	Fresh Fresh	Quartzite - bleached, clean - trace disseminated Py - limonite on fractures	Quartz-sericite phyllite - moderately fissile - trace As stringers
NS-22a		1050*	Zone 1: 0.005-0.000 Zone 2: 0.010-0.050 Zones are 8 m apart	2.0 5.5	Both zones are pinched out in both directions.	140°	Zone 1: Massive sulphide 80% As, 20% Py plus minor Po. Zone 2: Massive As with trace Py	Fresh Fresh	Quartzite plus sericite phyllite - heavily iron stained	Quartzite plus sericite phyllite - heavily iron stained

Showing No.	Mapped and Sampled	(m) Elev. (*Elev. from map)	(m) Maximum-Minimum true thickness of sulph.zone (*true thickness at sample face)	Observed Strike Length (m)	Terminations	Surface Trend of Mineralization	Description of Sulphide Zone	Condition of Sulphide Zone	Description of Hangingwall	Description of Footwall
NS-23		1050*	0.040	1.8	Pinched out to the east, covered by overburden to the west.	150°	Massive sulphide - 10% As, 85% scorodite that is locally disrupted by quartz veins.	Highly oxidized (scorodite)	Quartz-sericite phyllite	Quartz-sericite phyllite - iron stained
NS-24	x	1070 (1060)*	0.200	12.0	Covered by overburden in both directions.	145°	Bands of red ZnS (approximately 7%) within fine grained, weakly banded limestone.	Fresh	Sericite phyllite - minor quartz component - highly fissile	Limestone - fine to medium grained with coarse calcite veins - minor disseminated, coarse grained Py - minor hydrozincite
NS-25		1065*	0.025-0.010	10.0	Pinched out in both directions. Small arsenical 38 m east along strike.	146°	Massive sulphide - 80% coarse and fine grained As within a quartz gangue. The unit splits along strike into several small (<1 cm) horizons and locally grades along strike into As within highly gossaneous, bleached quartzite.	Fresh	Quartzite - highly foliated - sericite on foliations - oxidized	Quartzite - clean - oxidized, brown
NS-25a		1070*	0.110-0.010	36.3	Pinched out to the west, covered by overburden to the east.	148°	Several coelescing bands of massive sulphide - up to 80% coarse grained As in a quartz gangue. Bands pinch and swell along strike.	Fresh to highly oxidized (scorodite)	Sericite - Quartz phyllite - oxidized - moderately fissile	Sericite phyllite - moderately oxidized - highly fissile
NS-26	x	1096 (1095)*	0.14*	4.4	Covered by overburden in both directions.	146°	Massive sulphide - 40% fine to coarse grained As plus 40% scorodite in a quartz gangue.	Moderately oxidized (scorodite)	Quartzite - massive, clean - bleached - minor Py in stringers and as disseminated grains	Quartz-Sericite phyllite - highly fissile - minor limonitic horizons plus crosscutting limonite veins - trace Py
NS-27		1105*	0.040-0.005	17.0	Pinched out to the west, covered by overburden to the east.	158°	Massive sulphide - 70% coarse and fine grained As plus 20% coarse grained Py. In one locality the massive As is deflected around a large (30 cm wide, 1 m long) boudinaged quartz vein.	Fresh except moderately oxidized around the quartz vein (scorodite).	Sericite-Quartz phyllite - jarosite staining - bleached - highly fissile	Quartzite - bleached - jarosite staining
NS-28	x	1112 (1120)*	0.190-0.010	22.0	Pinched out to the west, covered by overburden to the east.	122°	Massive sulphide - 60% fine to medium grained As plus 30% scorodite in a quartz gangue. Horizon pinches and swells along strike.	Moderately oxidized (scorodite)	Quartz-Sericite phyllite - highly fissile - iron oxides on crosscutting fractures.	Quartz-Sericite phyllite - minor limonite staining

Showing No.	Mapped and Sampled	(m) Elev. (*Elev. from map)	(m) Maximum-Minimum true thickness of sulph.zone (*true thickness at sample face)	Observed Strike Length (m)	Terminations	Surface Trend of Mineralization	Description of Sulphide Zone	Condition of Sulphide Zone	Description of Hangingwall	Description of Footwall
NS-29		1120*	0.030-0.010	0.95	Pinched out in both directions.	120°	As stringers (approximately 1 mm wide) locally associated with quartz veins.	Fresh	Quartz-Sericite phyllite - moderately fissile	Quartz-Sericite phyllite - moderately fissile
NS-30	x	1125*	Zone 1: 0.170-0.030 Zone 2: 0.150-0.030	4.3	Pinched out to the west, cut off to the east by a fold nose?	115°	Zone 1: Massive sulphide - 95% As with minor scorodite plus quartz - zone swells greatly at a fault. Zone 2: Massive sulphide - 15% As within a band of 80% scorodite within a quartz gangue that contains minor sericite.	Weakly oxidized (scorodite) Heavily oxidized (scorodite)	Sericite-Quartz phyllite - highly fissile - overlain by massive, clean locally bleached quartzite - trace disseminated As	Quartz-Sericite phyllite - moderately to highly fissile - locally siliceous
NS-31		1130*	0.030-0.010	17.0	Pinched out in both directions.	131°	Massive As plus scorodite	Moderately oxidized (scorodite)	Sericite-Quartz phyllite	Sericite-Quartz phyllite
NS-32		1125*	0.110-0.005	35.0	Pinched out in both directions.	132°	Massive As plus scorodite	Moderately oxidized (scorodite)	Quartz-Sericite phyllite	Quartz-Sericite phyllite
NS-33		1135*	1.200-0.100	7.5	Covered by overburden in both directions.	152°	Sheared zone with 2% As in stringers and pods with minor Py + scorodite. Heavy jarosite staining plus an unknown black stain (Mg?). Hosted in sheared bleached quartzites.	Moderately oxidized (scorodite, jarosite)	Quartzite - clean - heavily iron stained	Quartzite - clean - moderately iron stained - less sheared than mineralized horizon
Intrusive Showings: NS-34 to NS-36, inclusive										
NS-34		1080*	0.020	N.A.	N.A.	N.A.	coarse grained PbS crystals in the centre of coarse grained, eye shaped calcite lenses (10 cm wide, 30 cm long). Trace As occurs as medium grained crystals associated with PbS.	Fresh	Diorite - chlorite alteration	Diorite - chlorite alteration
NS-35		1080*	0.100	2.0	Pinched out to the south continues up cliff to the north.	020°	Massive Po associated with a quartz vein.	Fresh with hematite on weathered surfaces	Diorite - chlorite alteration - heavily iron stained	Diorite - chlorite alteration - heavily iron stained
NS-36		1140 (1115)*	0.60	3.0	Pinched out to the east. Continues west over a cliff.	127°	Gossaneous zone with quartz veins and 3% Py in thin stringers.	Heavily oxidized (hematite, limonite)	Diorite - dark (black) - iron stained	Diorite - dark (black) - iron stained

Showing No.	Mapped and Sampled	(m) Elev. (*Elev. from map)	(m) Maximum-Minimum true thickness of sulph.zone (*true thickness at sample face)	Observed Strike Length (m)	Terminations	Surface Trend of Mineralization	Description of Sulphide Zone	Condition of Sulphide Zone	Description of Hangingwall	Description of Footwall
ROSEBERRY SHOWINGS: RS-1 and RS-2, inclusive (hosted within the Badshot Formation)										
RS-1	x two sections were mapped and sampled.	1430*	3.000-0.020	65.0	Pinched out in both directions.	106°	Disseminated coarse grained ZnS (1-5%) (honey-orange), PbS (trace) and Py (<1%) with trace amounts of tetrahedrite. The mineralization is concentrated within sheared sericite phyllite and within limestone proximal to the sheared phyllite.	Fresh (minor hydrozincite)	Limestone - grey banded - white - minor thin quartz carbonate veins - contains minor sericite bands on foliation planes	Limestone - grey banded - fine-coarse grained - vaguely banded - minor thin sericite bands - minor crosscutting quartz-carbonate veins and local massive white quartz lenses
RS-2		1400*	0.100-0.010	12.0	Pinched out to the east, covered by overburden to the west.	110°	Massive sulphide - 50% dark red ZnS with 4% PbS plus minor Py in a quartz carbonate gangue within a light green sheared sericite phyllite. The horizon grades along strike into thin ZnS plus PbS stringers.	Fresh (minor hydrozincite)	Limestone - grey, massive - vaguely banded - medium to coarse grained - minor thin crosscutting carbonate veinlets.	Limestone - moderately fissile - vaguely banded, grey - interbedded white limestone plus sericite phyllite

Fifteen of the more significant mineral occurrences were mapped in detail and chip sampled (See Figures 12-28). Results indicate an appreciable gold content over narrow widths and in a rough correlation between a higher base metal content and the presence of the limestone footwall (Lower Showings). The most significant results were obtained from NS-11 (0.01% Pb, <0.01% Zn, 1.306% As, 0.7 g/t Ag and 1.2 g/t Au over 0.82 metres (t.w.)), NS-20 (0.27% Pb, 0.09% Zn, 1.881% As, 20.8 g/t Ag and 3.1 g/t Au over 2.11 metres (t.w.)), NS-37 (0.01% Pb, <0.01% Zn, 4.559% As, 5.4 g/t Ag and 3.0 g/t Au over 1.37 metres (t.w.)) and NS-38 (0.08% Pb, <0.01% Zn, 5.590% As, 10.8 g/t Ag and 1.1 g/t Au over 0.93 metres (t.w.)). It should be noted that NS-20 is the site of an old trench and is probably the mineral occurrence on Roseberry Mountain which was noted in the old J & L reports.

It appears that the Lower Showings have been cut off by the thrust fault and/or dioritic intrusive and that the North Zone is the strike extension of the J & L Main Zone which is found on Goat Mountain (See Plan 3).

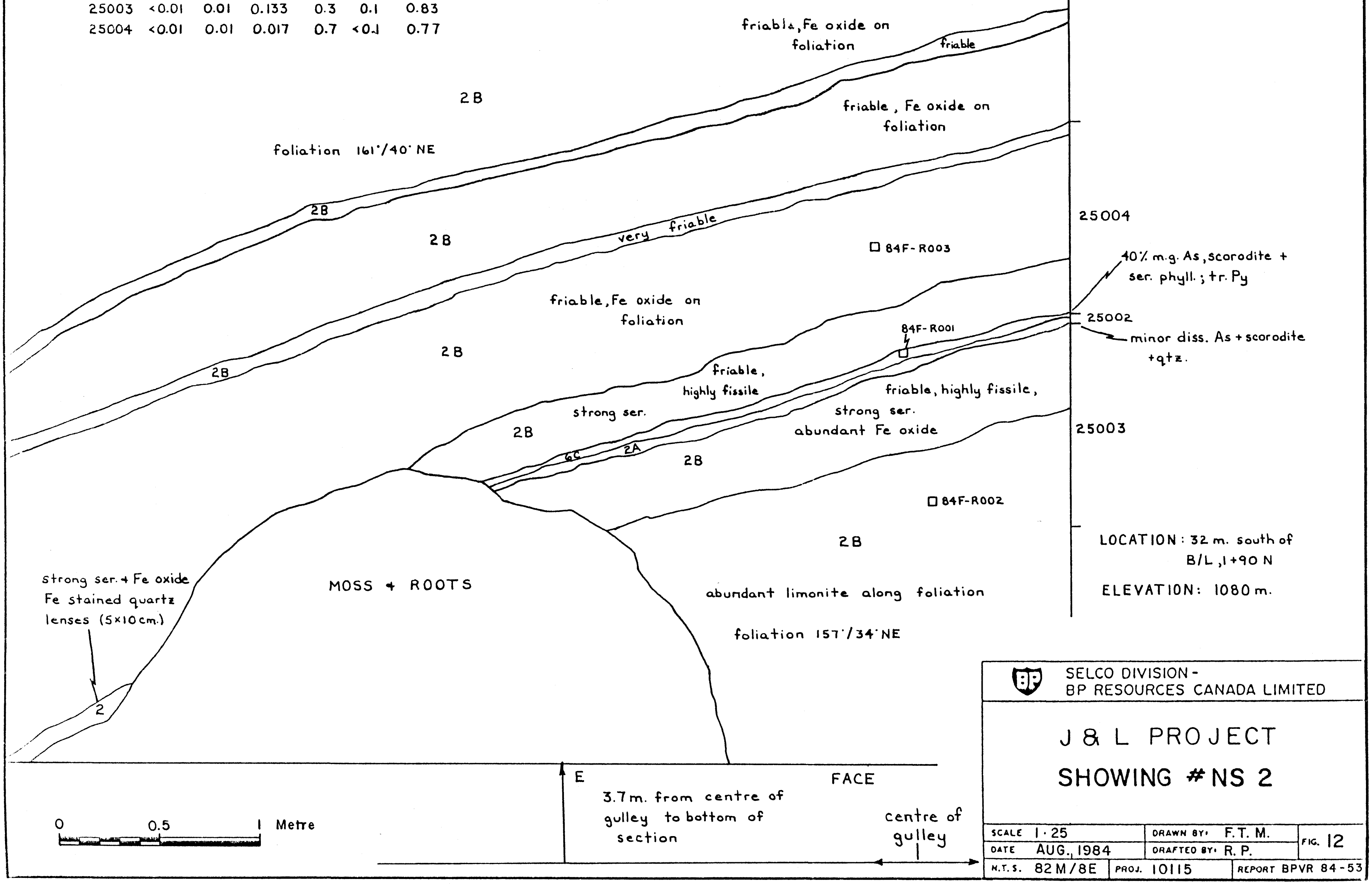
The three showings within the diorite are related to calcite lenses and/or quartz veins while the 2 mineral

LEGEND

$\boxed{1}$		Blue-grey, crystalline banded limestone, barren
	1A	Limestone - argillite, dark blue-grey, graphitic, barren
	1B	Silicified Limestone, dark blue-grey, cherty, irregular banding
$\boxed{2}$		Sericite schist, buff-white, finely foliated, commonly iron-stained
	2A	Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
	2B	Sericite-quartz phyllite
$\boxed{3}$		Quartz - sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
	3A	Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
$\boxed{4}$		Chlorite schist, dark green, finely foliated, minor quartz
$\boxed{4A}$		Quartz - chlorite schist, dark-light green depending on chl : ser. content, foliation relatively fine
$\boxed{5}$		Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
	5A	Quartzite, chloritic partings, ± sericitic ± feldspar, buff to grey
$\boxed{6}$		Sulphide zone (arsenopyrite + pyrite)
	6A	Massive sulphides in blue-grey siliceous matrix, generally As + Py
	6B	Lenses and bands of sulphides in white quartz
	6C	Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
	6D	Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
$\boxed{7}$		Chert colour variable, light grey dark blue. Generally well fractured

□ 82B - R054	Representative Rock Sample Location
|←8613→|	Chip Sample Location
m.L	Estimated true width

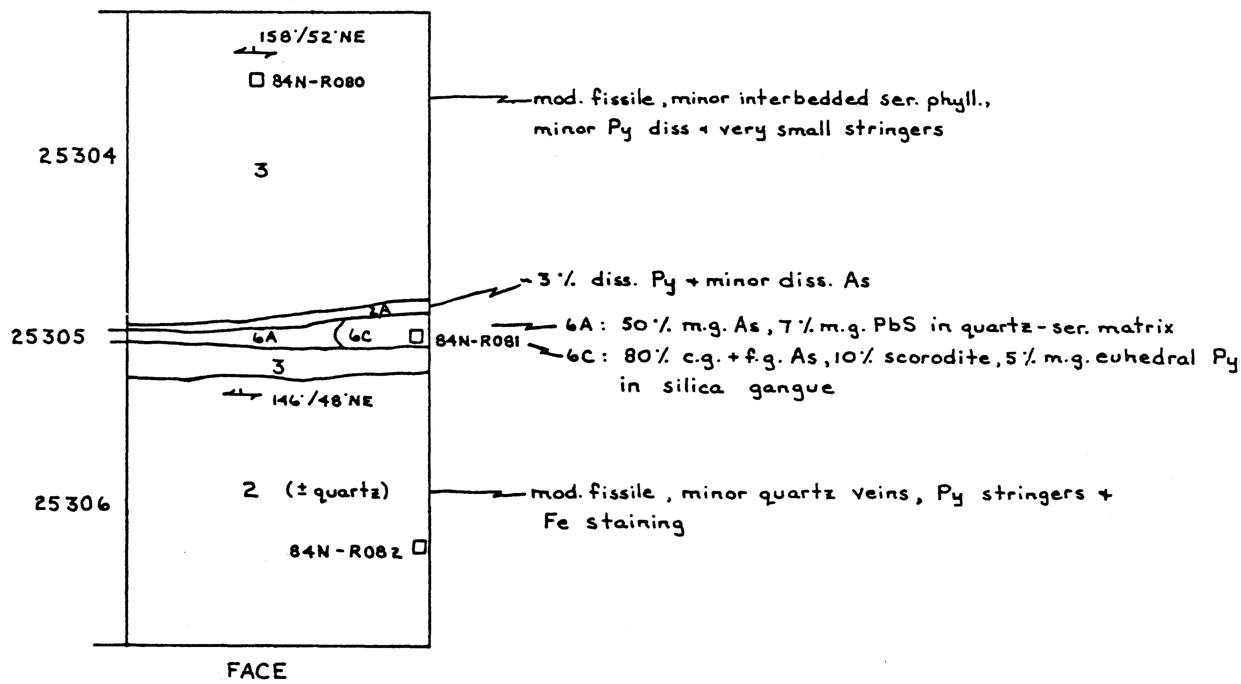
	% Pb	% Zn	% As	g/t Ag	g/t Au	m L
25002	0.06	0.01	12.400	4.8	4.0	0.04
25003	<0.01	0.01	0.133	0.3	0.1	0.83
25004	<0.01	0.01	0.017	0.7	<0.1	0.77



SELCO DIVISION -
BP RESOURCES CANADA LIMITED

J & L PROJECT
SHOWING # NS 2

SCALE 1 : 25		DRAWN BY: F. T. M.		FIG. 12	
DATE AUG., 1984		DRAFTED BY: R. P.			
N.T.S. 82 M/8E	PROJ. 10115	REPORT BPVR 84-53			



	% Pb	% Zn	% As	g/t Ag	g/t Au	m. L
25304	0.01	0.01	0.039	1.7	0.1	0.70
25305	1.60	0.01	18.400	33.0	4.0	0.09
25306	0.04	0.01	0.232	0.3	<0.1	0.73

LOCATION: 19 m. west of B/L, 2+50N

ELEVATION: 1090 m.

0 0.5 1 Metre

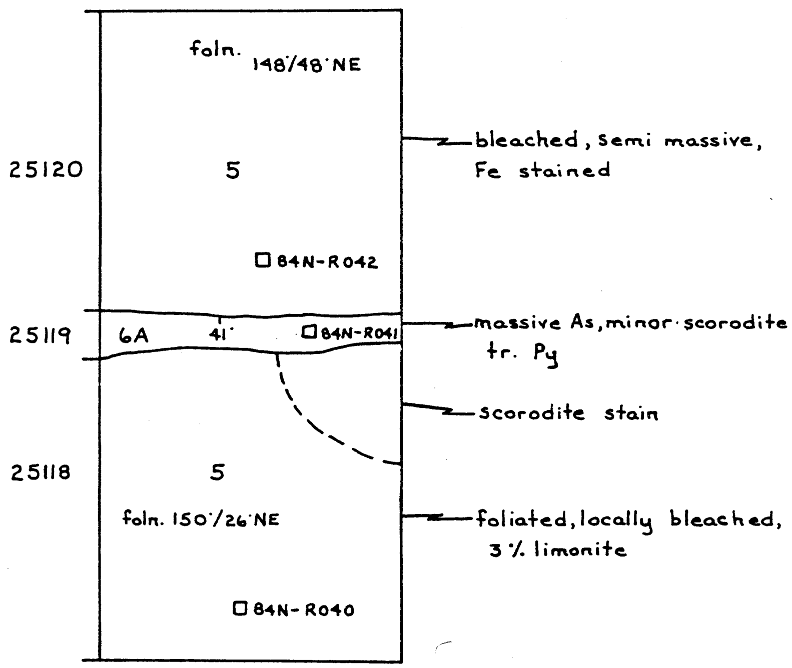
SELCO DIVISION - BP RESOURCES CANADA LIMITED

J & L PROJECT

SHOWING # NS 3

LOOKING TOWARDS 40°

SCALE 1:25	DRAWN BY: N. H.	FIG. 13
DATE AUG., 1984	DRAFTED BY: R. P.	
N.T.S. 82 M/8E	PROJ. 10115	REPORT BPVR 84-53



FACE

	%	%	%	g/t	g/t	m
	Pb	Zn	As	Ag	Au	L
25118	<0.01	0.01	0.089	2.1	0.1	0.91
25119	0.06	<0.01	17.700	10.6	5.0	0.10
25120	<0.01	0.01	0.144	2.1	0.1	0.68

LOCATION: L 8+00N, 0+51.5W

ELEVATION: 1270 m.

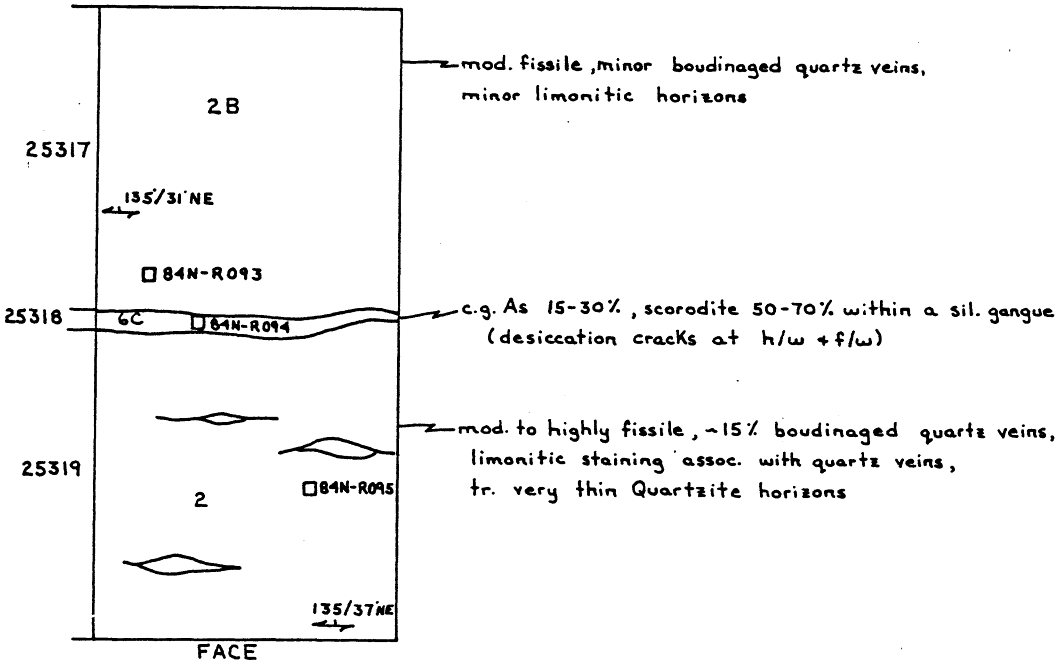
0 0.5 1 Metre

SELCO DIVISION -
BP RESOURCES CANADA LIMITED

J & L PROJECT

SHOWING #NS 9

SCALE	1 : 25	DRAWN BY:	N.H.	FIG. 14
DATE	AUG., 1984	DRAFTED BY:	R.P.	
N.T.S.	82M/8E	PROJ. 10115	REPORT BPVR 84-53	



	% Pb	% Zn	% As	g/t Ag	g/t Au	m L
25317	<0.01	<0.01	0.072	0.3	0.2	0.71
25318	0.01	<0.01	18.200	0.3	3.3	0.05
25319	<0.01	<0.01	0.209	0.7	1.1	0.77

LOCATION: 45 m. due west of L8+00 N, 0+27 W

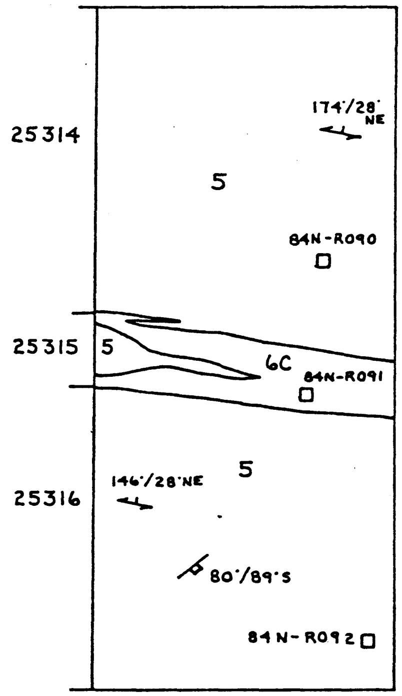
ELEVATION: 1270 m.

0 0.5 1 Metre

SELCO DIVISION - BP RESOURCES CANADA LIMITED

J & L PROJECT
SHOWING # NS 11
LOOKING TOWARDS 50°

SCALE 1 : 25		DRAWN BY: N.H.		FIG. 15
DATE AUG., 1984		DRAFTED BY: R. P.		
N.T.S. 82 M/8E	PROJ. 10115		REPORT BPVR 84-53	



clean, bleached, mod. limonite stain + minor jarosite, tr. Py
locally mod. fissile with ser. along foln.

bleached, clean, sheared + heavy jarosite stain

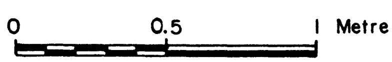
40%-80% scorodite, 15-50% As + quartz gangue
+15% interfingering bleached, sheared Quartzite;
To west of sampled zone, M.S. grades into As +
scorodite stringers in sheared, bleached Quartzite

bleached (especially, near contact with M.S.),
minor intercalated ser. phyll., minor boudinaged quartz veins;
locally up to 5% limonite after Py

	% Pb	% Zn	% As	g/t Ag	g/t Au	m L
25314	<0.01	<0.01	0.104	0.3	<0.1	0.82
25315	0.08	<0.01	20.800	15.5	5.1	0.22
25316	<0.01	<0.01	0.236	0.3	0.2	0.73

NOTE: outcrop is slightly slumped

ELEVATION: 1280m.



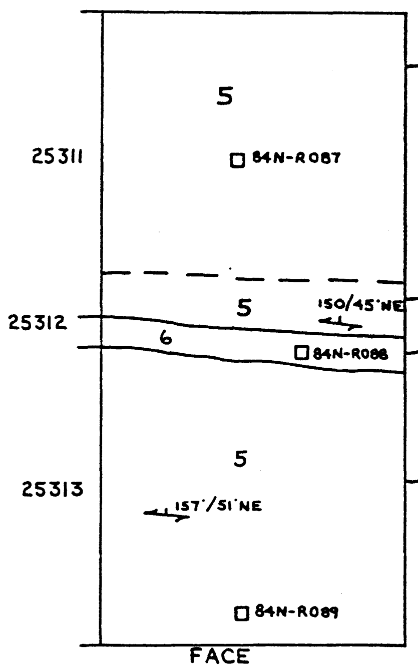
SELCO DIVISION -
BP RESOURCES CANADA LIMITED

J & L PROJECT

SHOWING # NS 13

LOOKING TOWARDS 54°

SCALE	1 : 25	DRAWN BY:	N. H.	FIG. 16
DATE	AUG., 1984	DRAFTED BY:	R. P.	
N.T.S.	82 M/8E	PROJ. 10115	REPORT BPVR 84-53	



dominantly dirty Quartzite with minor ser. phyllite laminae, mod. foliated + fissile, ser ± chl. along foliation; ~2% limonite after Py + as small horizons; tr. diss. Py

cleaner Quartzite : bleached; ~1% diss. As + Py

70% As (80% f.g. + 20% c.g., 15% Py c.g. (generally confined to zones of <90% Py), local rounded Py grains in f.g. As; tr. scorodite; increasing quartz content towards f/w.

clean, massive; 1-2% c.g. diss. Py, weakly Fe stained with minor limonite after Py

	% Pb	% Zn	% As	g/t Ag	g/t Au	m L
25311	<0.01	<0.01	0.149	1.1	0.3	0.96
25312	0.08	<0.01	22.200	17.2	4.0	0.08
25313	<0.01	<0.01	0.578	0.5	0.2	0.84

LOCATION : 55 m. due west of B/L, 8+30N

ELEVATION : 1280 m.

0 0.5 1 Metre

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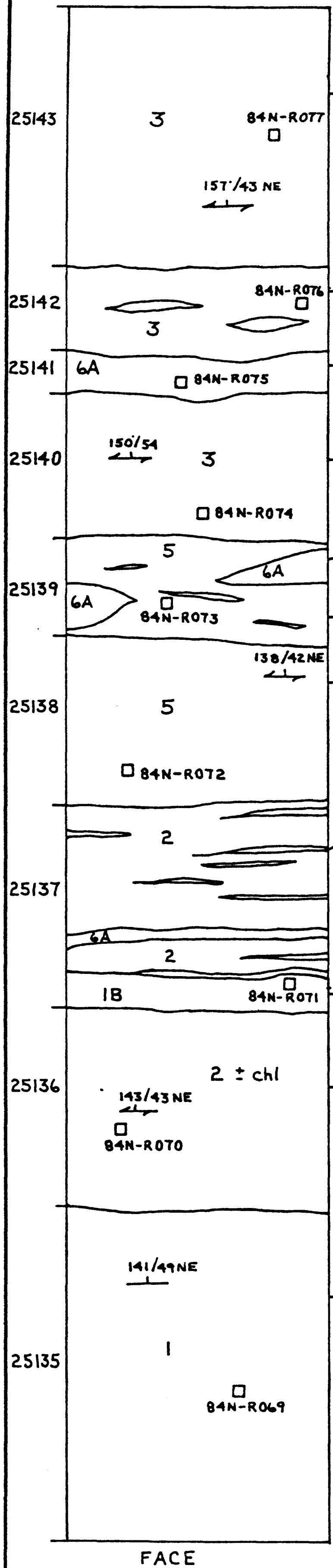
J & L PROJECT

SHOWING # NS 14

LOOKING TOWARDS 48°

SCALE 1 : 25	DRAWN BY: N.H.	FIG. 17	
DATE AUG., 1984	DRAFTED BY: R.P.		
N.T.S. 82M/8E	PROJ. 10115	REPORT BPVR 84-53	



narrow talc zones, heavy jarosite + limonite

minor ZnS + PbS assoc. with stretched quartz lenses (ZONE 1)

strongly leached : <35 % As, minor scorodite, Py, jarosite + chlorite (ZONE 2)

minor limonite, jarosite + diss. Py

larger pods contain > 90 % As : smaller pods contain > 10 % Py, minor jarosite + scorodite, tr. PbS + ZnS (ZONE 3)

highly bleached ; dissem. sulphides

dirty ; grades down into a Qtz-Ser Phyll minor f.g. Py stringers + jarosite tr. diss. f.g. Py

M.S. bands (10-15 %) : As, Py ± ZnS ; thickest band displays 'milled texture + contains 75 % As, 15 % Py in a sil. matrix ; (tr.) ZnS prominent in thinner, more Py-rich bands

ZONE 4

Dol. + Lst ; tr. diss. f.g. As

minor boudinaged quartz veins + cb. f.f. tr. c.g. Py stringers

thin banded, small crenulations + minor folds + limonite staining

	% Pb	% Zn	% As	g/t Ag	g/t Au	m L
25135	< 0.01	0.01	0.022	2.1	0.1	0.93
25136	<0.01	0.01	0.008	7.2	0.3	0.65
25137	0.2	0.03	5.670	23.3	4.1	0.66
25138	<0.01	0.02	0.079	0.3	0.1	0.43
25139	0.32	0.02	3.800	32.2	3.4	0.31
25140	0.19	0.04	0.205	11 3	0.3	0.33
25141	0.59	0.03	15.500	56.8	15.9	0.16
25142	0.78	0.60	0.465	25.4	0.7	0.22
25143	0.02	0.02	0.059	0.3	0.1	0.86

LOCATION : 'Old Workings' ; 115m. west of L2+00N , 0+55 W

ELEVATION : 1030 m.

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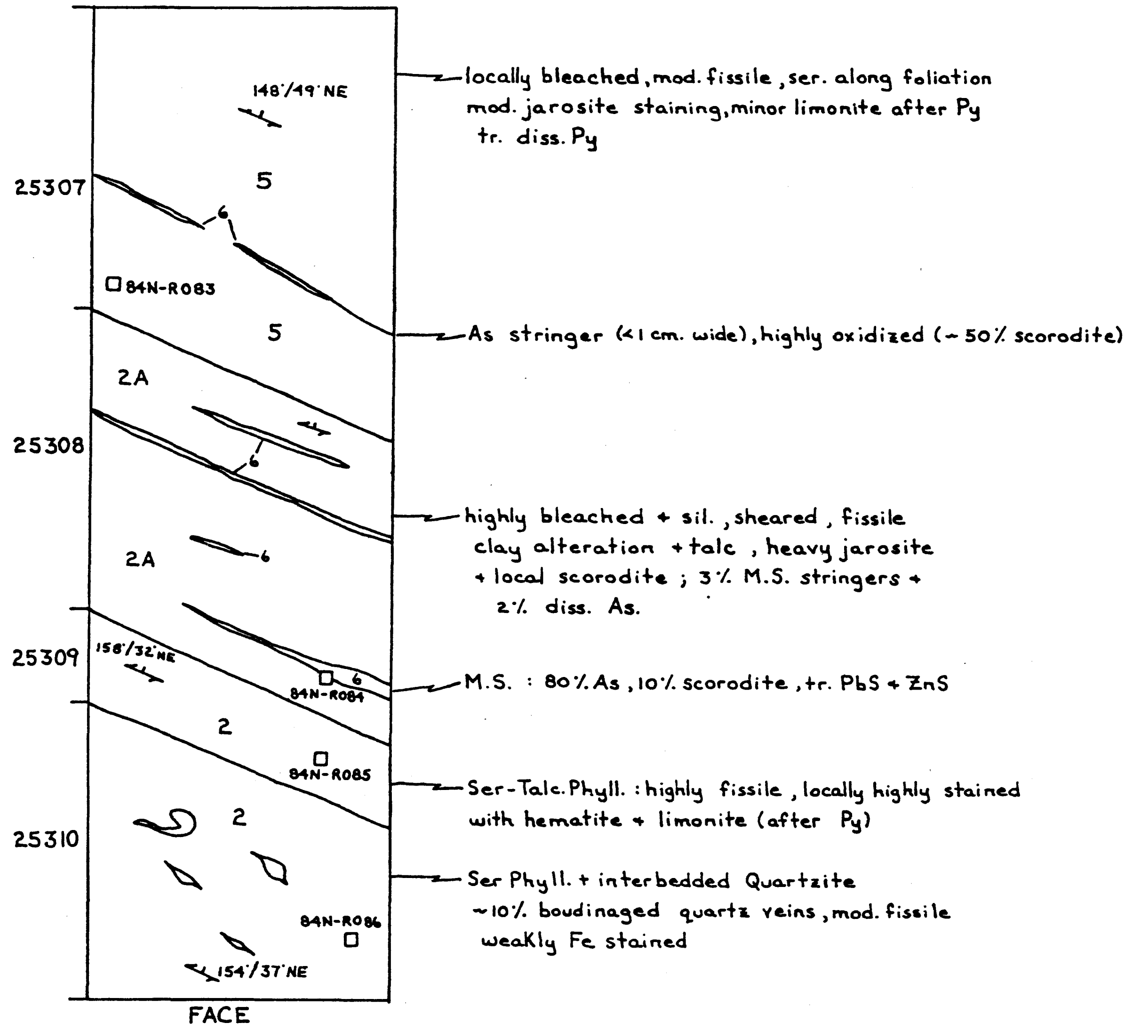
J & L PROJECT
SHOWING # NS 20

SCALE 1 : 25	DRAWN BY: N. H.	FIG. 18
DATE AUG., 1984	DRAFTED BY: R. P.	
N.T.S. 82 M / 8E — PROJ. 10115	REPORT BPVR 84-53	



	% Pb	% Zn	% As	g/t Ag	g/t Au	m L
25307	0.03	<0.01	0.075	1.1	0.3	0.70
25308	0.34	0.05	2.370	8.7	2.3	0.81
25309	0.43	0.03	1.280	16.8	1.4	0.28
25310	0.02	0.07	0.060	3.1	0.2	0.75

NOTE: showing offset 12m. at 124° from NS-20, face is on outcrop that has slumped slightly ; very little offset because mineralization can be traced along strike past the slumped area

LOCATION: 130 m. west of L2+00N, 0+55W

ELEVATION: 1040 m.

0 0.5 1 Metre

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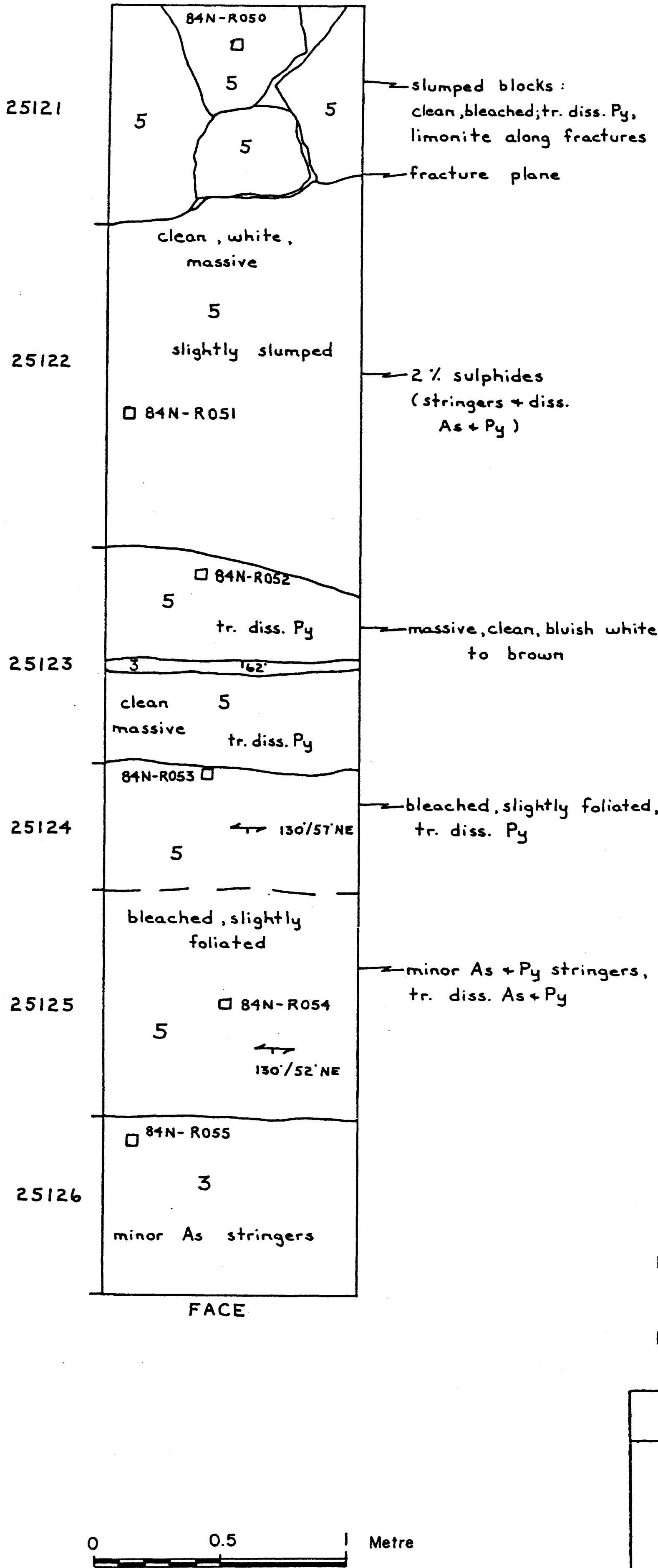
J & L PROJECT

SHOWING # NS 21

LOOKING TOWARDS 48°

SCALE 1 : 25		DRAWN BY: N.H.		FIG. 19
DATE AUG., 1984		DRAFTED BY: R.P.		
N.T.S. 82M/8E	PROJ. 10115		REPORT BPVR 84-53	



	% Pb	% Zn	% As	g/t Ag	g/t Au	m L
25121	<0.01	<0.01	0.425	4.1	0.1	0.54
25122	<0.01	<0.01	0.630	2.1	0.1	0.69
25123	<0.01	<0.01	0.287	0.3	<0.1	0.47
25124	<0.01	<0.01	0.032	1.4	<0.1	0.27
25125	<0.01	<0.01	0.010	0.3	<0.1	0.55
25126	<0.01	0.01	0.509	0.7	<0.1	0.43

LOCATION: L 4+00N, 13.5 m. at 140° from 1+35 W

ELEVATION: 1110 m.

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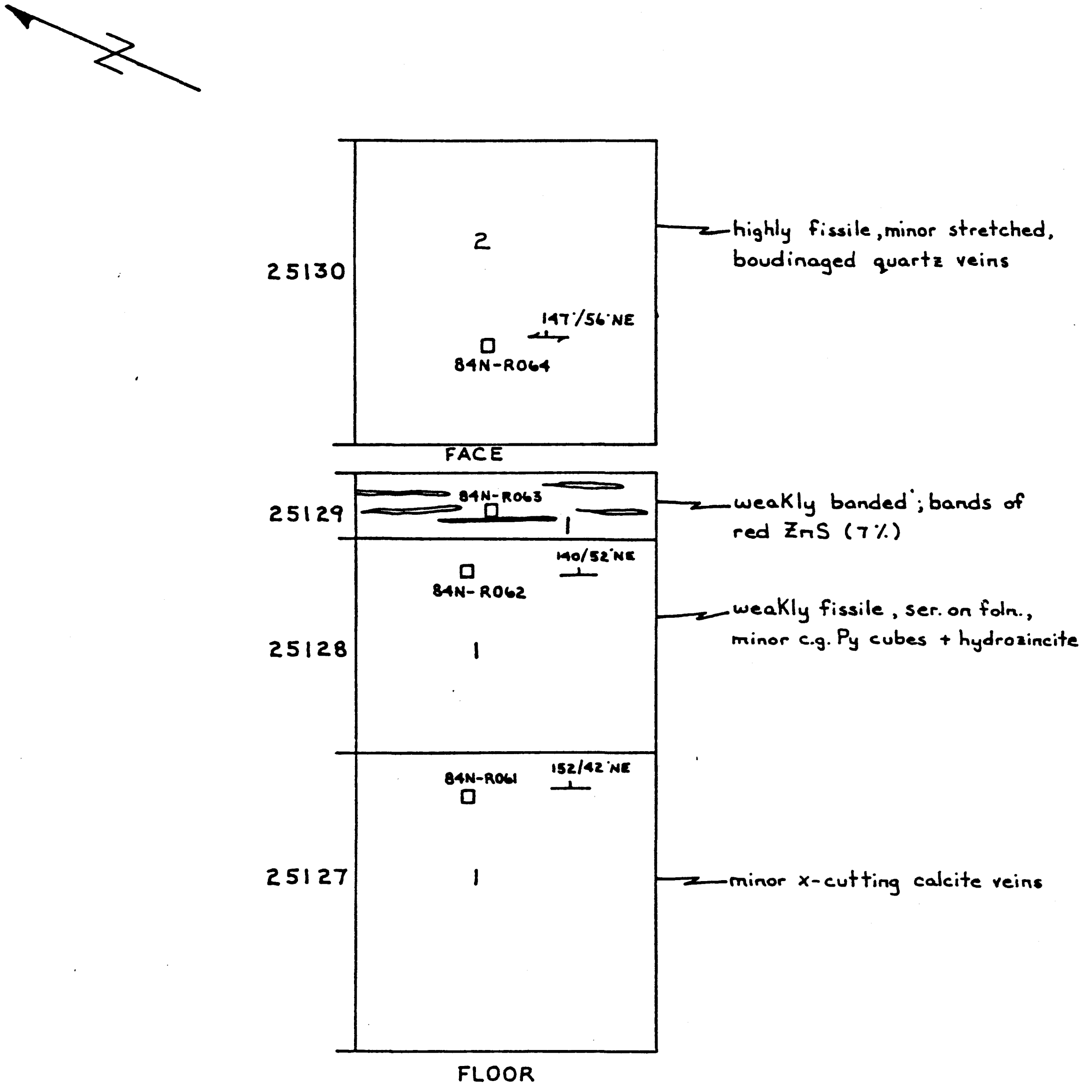
J & L PROJECT
SHOWING # NS 22

SCALE 1 : 25		DRAWN BY: N.H.	FIG. 20
DATE AUG., 1984		DRAFTED BY: R. P.	
N.T.S. 82 M/8E	PROJ. 10115	REPORT BPVR 84-53	



	% Pb	% Zn	% As	g/t Ag	g/t Au	m L
25127	0.04	0.02	0.009	1.0	<0.1	0.95
25128	0.09	0.13	0.096	1.4	<0.1	0.55
25129	0.16	3.58	0.148	0.7	0.2	0.20
25130	<0.01	0.04	0.006	0.7	0.3	0.95

LOCATION: 60 m. west of L4+00N, 0+75W

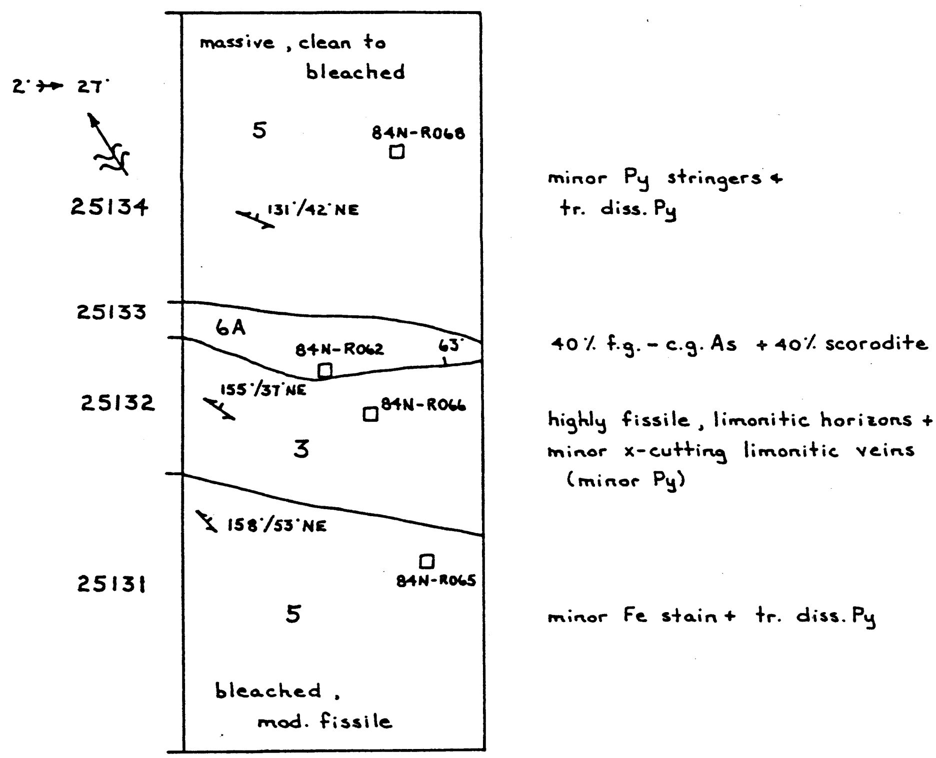
ELEVATION: 1070 m.

0 0.5 1 Metre

SELCO DIVISION -
BP RESOURCES CANADA LIMITED

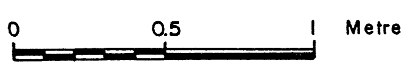
J & L PROJECT
SHOWING # NS 24

SCALE	1 : 25	DRAWN BY: N.H.		FIG. 21
DATE	AUG., 1984	DRAFTED BY: R.P.		
N.T.S.	82 M/8E	PROJ. 10115	REPORT BPVR 84-53	



FACE

	Pb	Zn	As	Ag	Au	L
25131	<0.01	0.01	0.049	1.4	0.3	0.57
25132	<0.01	<0.01	0.055	0.7	1.7	0.27
25133	0.02	<0.01	19.900	1.4	0.6	0.14
25134	<0.01	<0.01	0.110	2.0	0.2	0.61

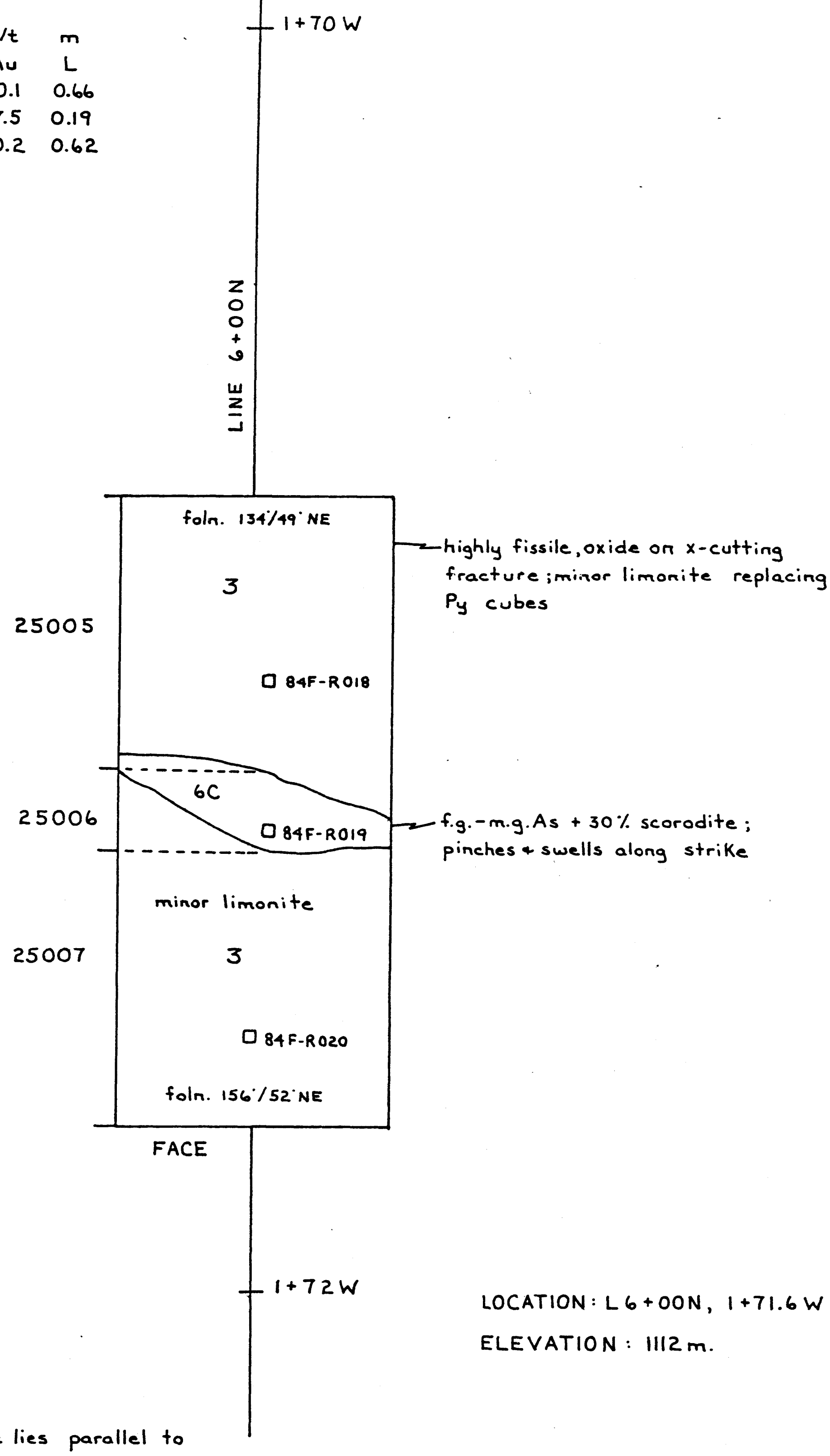


SELCO DIVISION -
BP RESOURCES CANADA LIMITED

J & L PROJECT
SHOWING # NS 26

SCALE	1 : 25	DRAWN BY:	N. H.	FIG. 22	
DATE	AUG., 1984	DRAFTED BY:	R. P.		
N.T.S.	82M/8E	PROJ.	10115	REPORT	BPVR 84-53

	% Pb	% Zn	% As	g/t Ag	g/t Au	m L
25005	0.10	0.35	0.052	4.8	0.1	0.66
25006	2.24	0.50	22.500	50.1	7.5	0.19
25007	0.06	0.02	0.299	1.7	0.2	0.62



LOCATION: L 6+00N, 1+71.6 W

ELEVATION: 1112 m.

NOTE: another zone lies parallel to this showing, approx. 3.4 m. at a bearing of 210° and was sampled at a location of 12.57 m. at a bearing of 311° from L6+00N, 1+75 W

0 0.5 1 Metre

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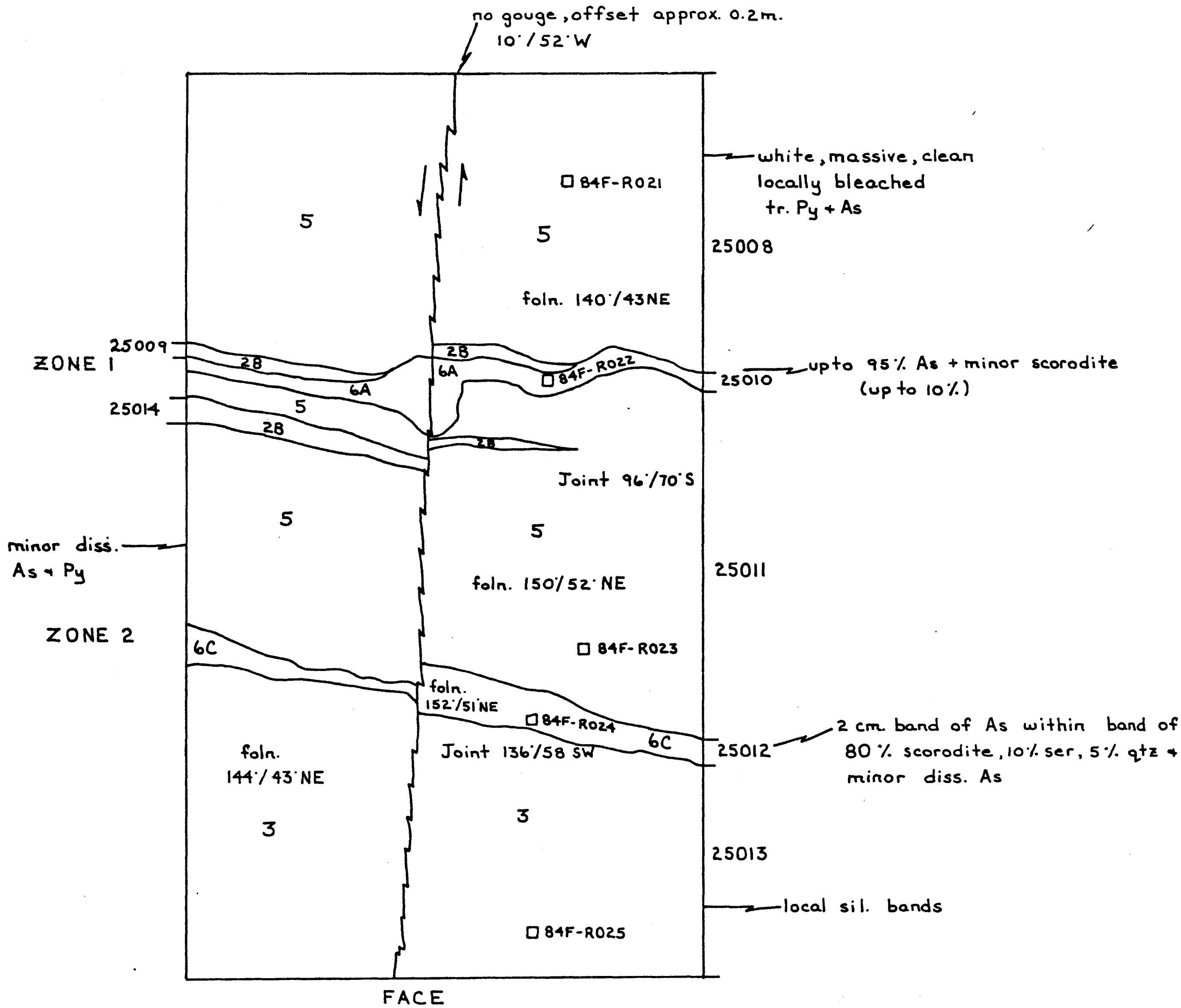
BP RESOURCES CANADA LIMITED

J & L PROJECT
SHOWING # NS 28

SCALE 1 : 25	DRAWN BY: F.T.M.	FIG. 23
DATE AUG., 1984	DRAFTED BY: R.P.	
N.T.S. 82 M/8E PROJ. 10115	REPORT BPVR 84 - 53	



	% Pb	% Zn.	% As	g/t Ag	g/t Au	m L
25008	<0.01	0.01	0.376	2.1	<0.1	0.66
25009	<0.01	0.01	0.216	1.0	0.3	0.11
25010	0.03	<0.01	25.100	3.8	5.3	0.17
25011	<0.01	<0.01	1.510	0.7	0.2	0.96
25012	<0.01	0.01	11.400	4.5	1.4	0.15
25013	<0.01	<0.01	0.171	0.7	<0.1	0.82
25014	<0.01	<0.01	0.684	0.3	<0.1	0.10

LOCATION: 12.57 m. from L6+00N, 1+75 W at a bearing of 311°

ELEVATION: 1125 m.

NOTE: another zone lies parallel to this showing, approx. 3.4 m. at a bearing of 37°. It was sampled on L6+00N at 1+71.6 W

0 0.5 1 Metre

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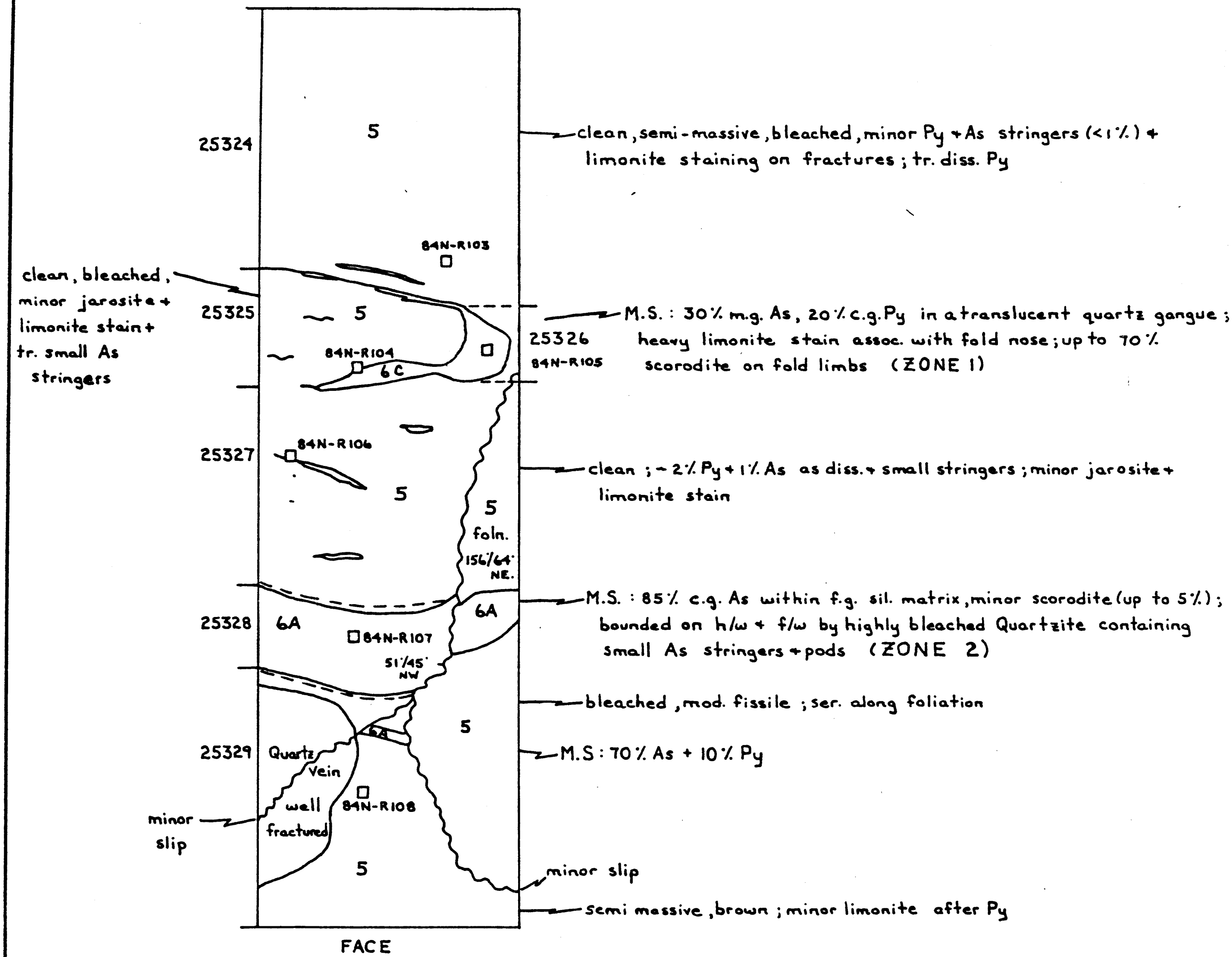
J & L PROJECT
SHOWING # NS 30

SCALE	1 : 25	DRAWN BY:	F.T.M.	FIG. 24	
DATE	AUG., 1984	DRAFTED BY:	R. P.		
N.T.S.	82 M/8E	PROJ.	10115	REPORT	BPVR 84-53

1985



	% Pb	% Zn	% As	g/t Ag	g/t Au	m L
25324	<0.01	<0.01	0.110	5.2	0.3	0.60
25325	<0.01	<0.01	5.870	10.8	5.0	0.41
25326	<0.01	<0.01	3.760	8.5	3.8	0.25
25327	<0.01	<0.01	0.207	1.5	0.5	0.53
25328	0.03	<0.01	15.500	0.3	4.6	0.18
25329	<0.01	0.01	1.040	0.3	0.3	0.77

LOCATION: 91m. at 142° from B/L, 12+00N.

ELEVATION: 1350m.

0 0.5 1 Metre

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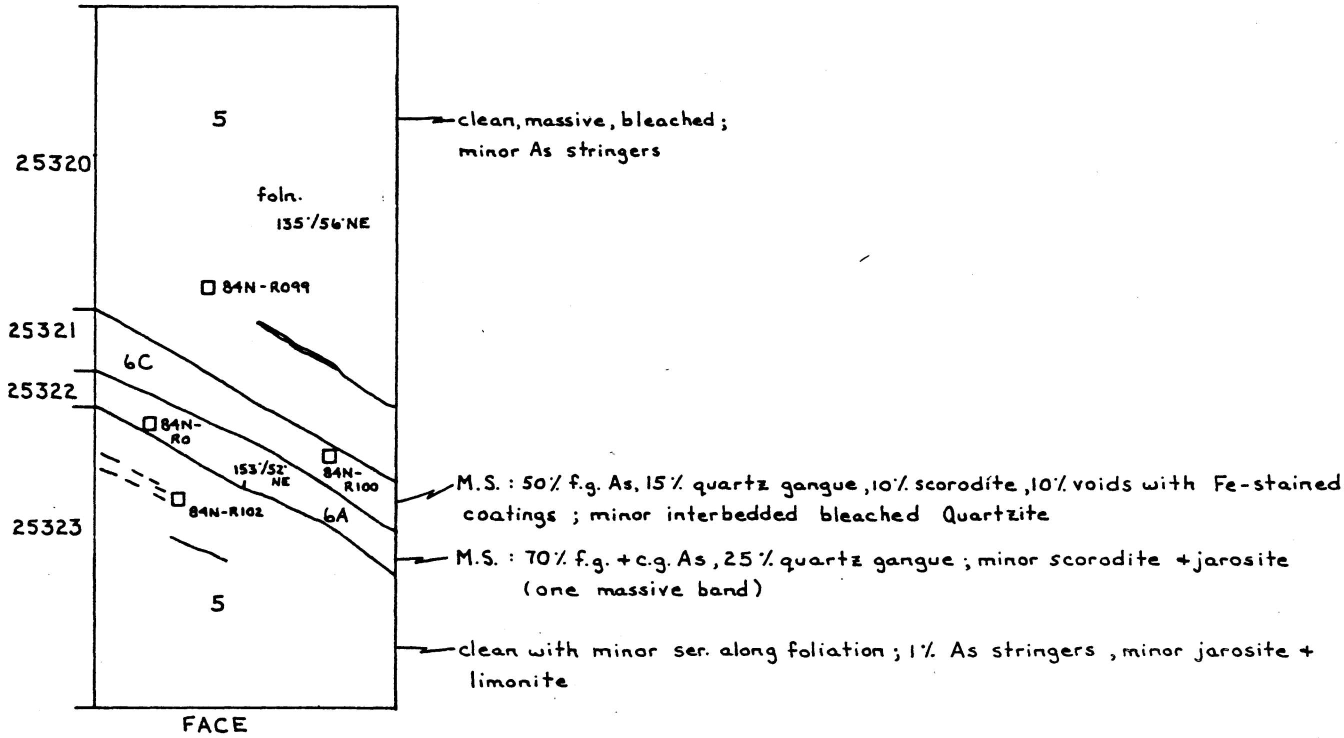
J & L PROJECT

SHOWING # NS 37

LOOKING TOWARDS 43°

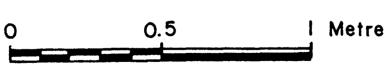
SCALE 1: 25		DRAWN BY: N. H.		FIG. 25
DATE AUG., 1984		DRAFTED BY: R. P.		
N.T.S. 82 M/8E	PROJ. 10115		REPORT BPVR 84-53	



	% Pb	% Zn	% As	g/t Ag	g/t Au	m. L
25320	0.01	<0.01	0.266	2.4	0.3	0.88
25321	0.32	<0.01	23.300	18.0	4.6	0.10
25322	0.44	<0.01	26.700	55.0	4.0	0.09
25323	0.01	<0.01	0.629	4.5	0.3	0.74

LOCATION : 53m. at 164° from B/L , 12+00 N

ELEVATION : 1370 m.



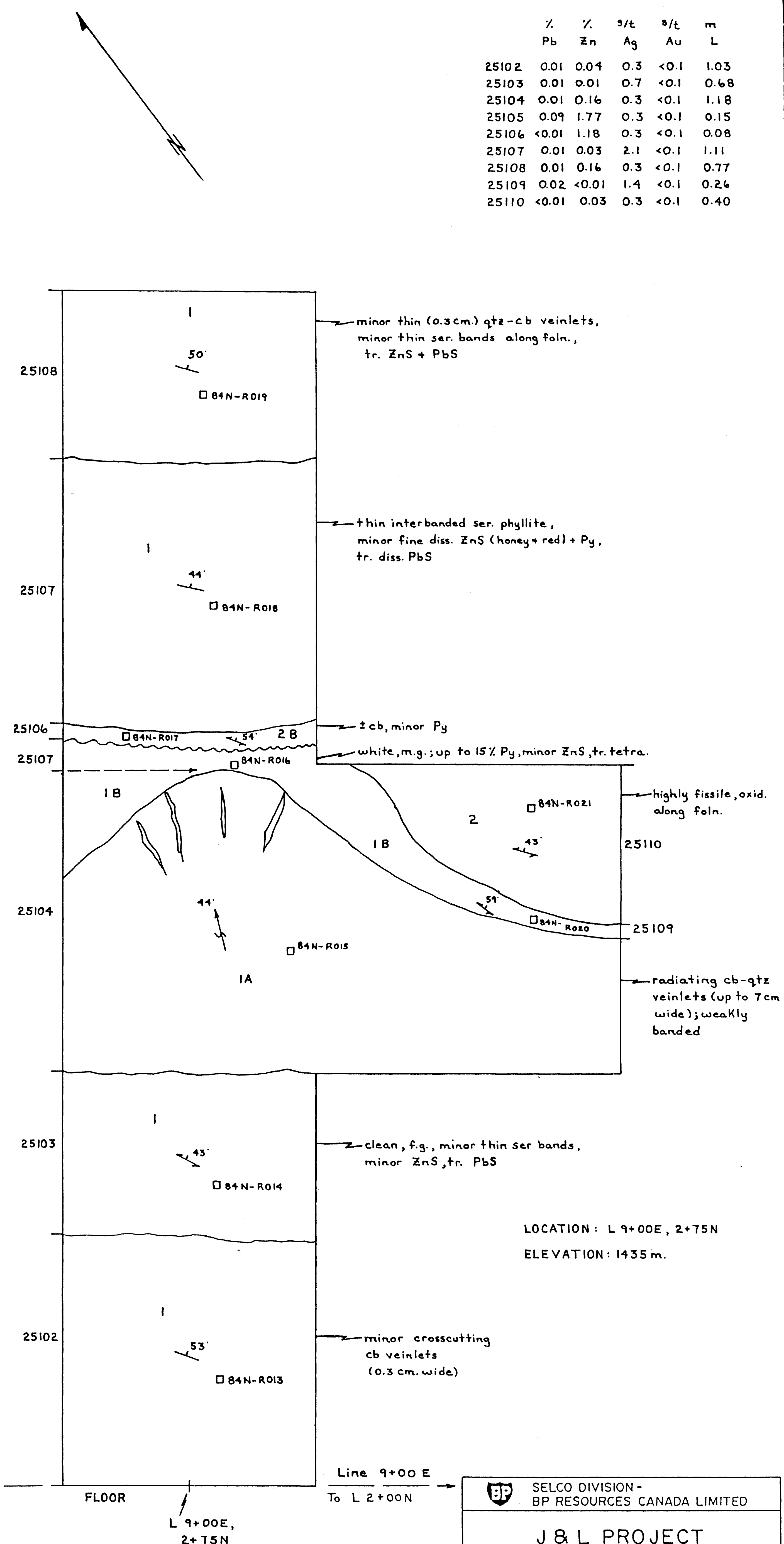
SELCO DIVISION -
BP RESOURCES CANADA LIMITED

J & L PROJECT

SHOWING # NS 38
LOOKING TOWARDS 16°

SCALE 1: 25		DRAWN BY: N.H.		FIG. 26
DATE AUG., 1984		DRAFTED BY: R.P.		
N.T.S. 82 M/8E	PROJ. 10115		REPORT BPVR 84-53	

	% Pb	% Zn	g/t Ag	g/t Au	m L
25102	0.01	0.04	0.3	<0.1	1.03
25103	0.01	0.01	0.7	<0.1	0.68
25104	0.01	0.16	0.3	<0.1	1.18
25105	0.09	1.77	0.3	<0.1	0.15
25106	<0.01	1.18	0.3	<0.1	0.08
25107	0.01	0.03	2.1	<0.1	1.11
25108	0.01	0.16	0.3	<0.1	0.77
25109	0.02	<0.01	1.4	<0.1	0.26
25110	<0.01	0.03	0.3	<0.1	0.40



0 0.5 1 Metre

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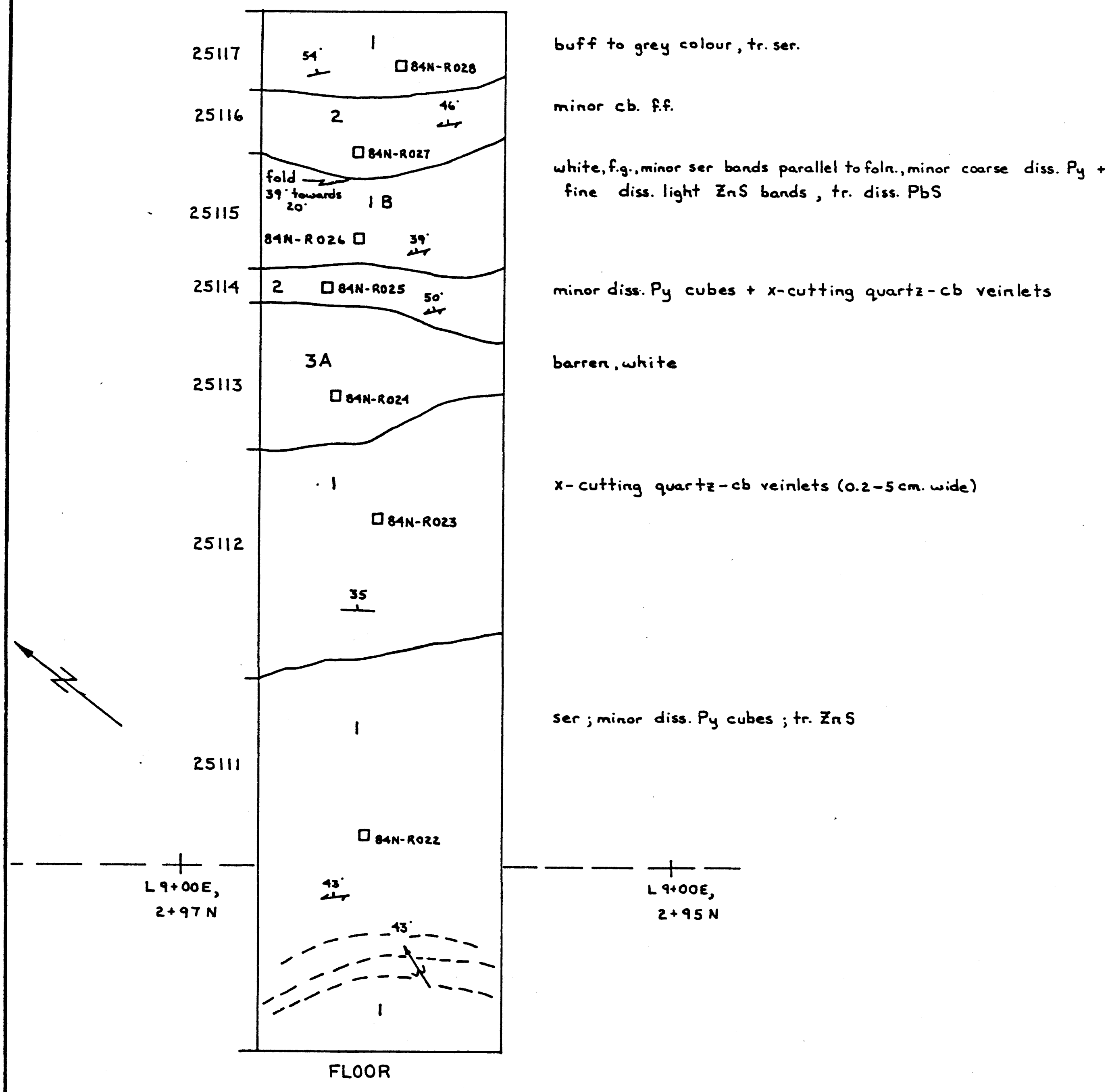
J & L PROJECT
SHOWING # RS 1
(1st SECTION)

SCALE	1 : 25	DRAWN BY:	F.T.M.	FIG. 27	
DATE	AUG., 1984	DRAFTED BY:	R.P.		
N.T.S.	82M/8E	PROJ.	10115	REPORT	BPVR 84-53



	% Pb	% Zn	g/t Ag	g/t Au	m L
25111	0.04	0.37	0.3	<0.1	1.09
25112	<0.01	0.02	0.3	<0.1	0.50
25113	<0.01	0.02	0.3	<0.1	0.55
25114	<0.01	0.03	1.4	<0.1	0.15
25115	0.02	1.22	0.3	<0.1	0.99
25116	<0.01	0.06	2.1	<0.1	0.19
25117	0.01	0.01	0.3	<0.1	0.49

LOCATION: L9+00E, 2+96N

ELEVATION: 1438 m.

0 0.5 1 Metre

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J & L PROJECT

SHOWING # RS 1

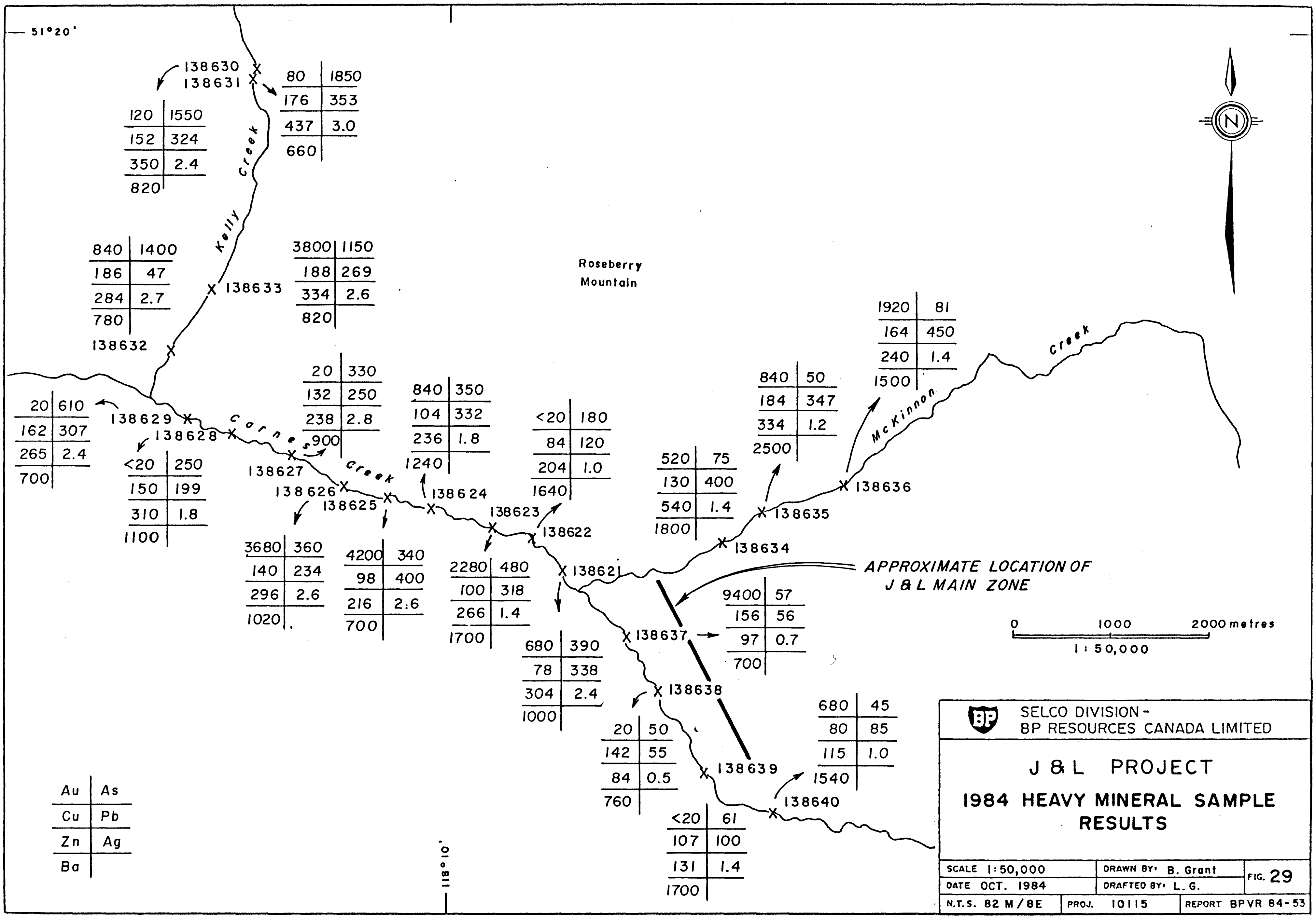
(2nd SECTION)

SCALE 1 : 25	DRAWN BY: F. T. M.	FIG. 28
DATE AUG., 1984	DRAFTED BY: R. P.	
N.T.S. 82M/8E	PROJ. 10115	REPORT BPVR 84-53

occurrences within the Badshot limestones are shear related. These showings do not appear to be of any economic significance.

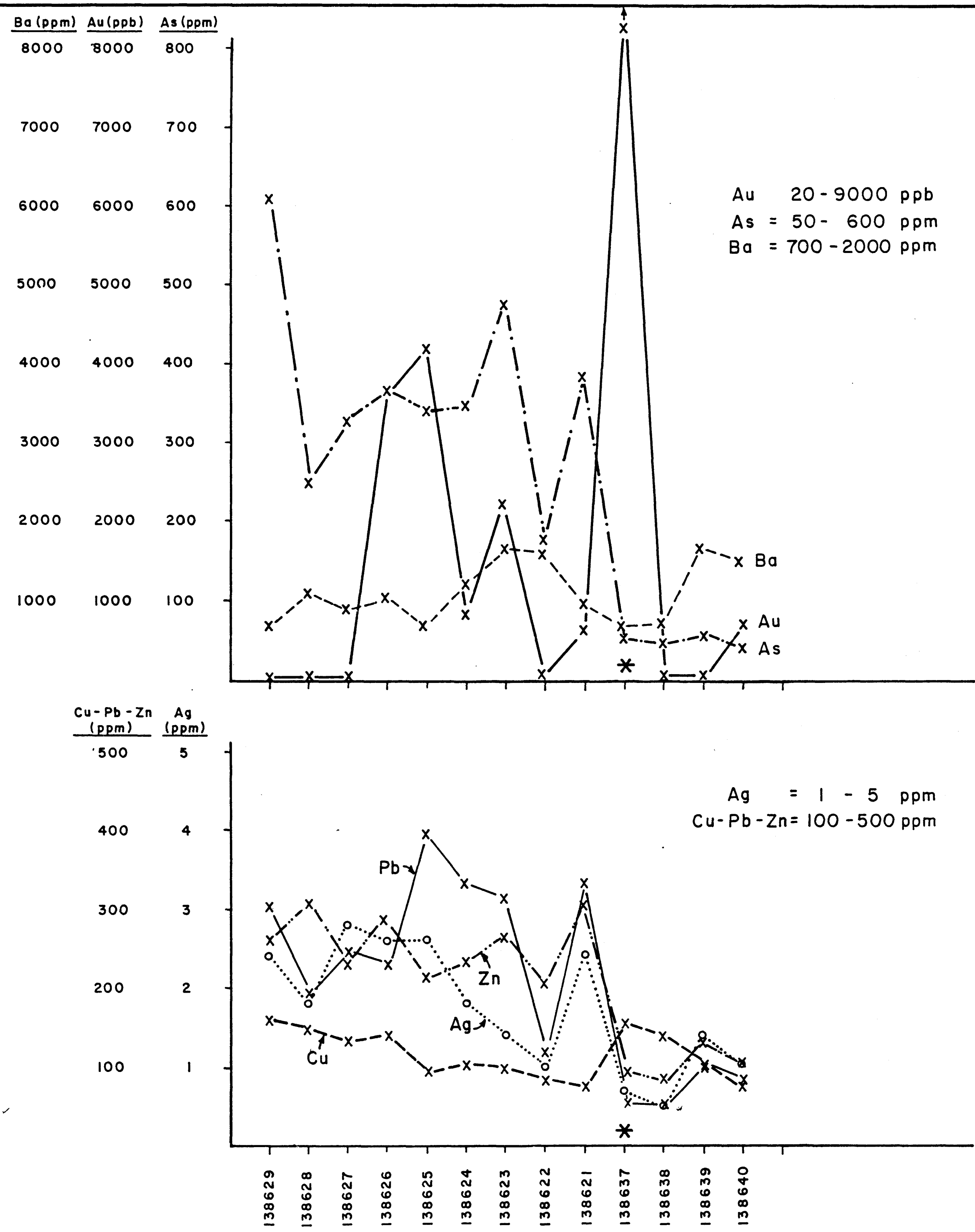
2. Heavy Mineral Sample Results

The results of the survey indicate that although the highest gold value occurs immediately below the showings (9400 ppb) the values then drop off significantly (20 to 700 ppb) for the first 1.5 km below the showings. The gold values then rise significantly (2000 to 4000 ppb) for the next two kilometres, or from 1.5 to 3.5 km downstream, after which gold values decrease to below anomalous levels. Arsenic shows a similar trend which is low below the main showing and increases to peak values about 1 km below the showings (480 ppm) then decreases slowly to the downstream end of the sampling. Although barium shows a similar trend with highs about 0.5 to 1 km downstream, a strong barium source is also noted upstream of the J & L (about 0.5 to 1 km). The base metals Pb-Zn-Ag show a peak similar to Au-As with high anomalous values at about 1 to 1.5 km below the actual showings. Copper shows an increasing trend with distance from the J & L Main Zone showings.


51°20'
118°10'
Kelly Creek
Carnes Creek
McKinnon Creek
Roseberry Mountain
APPROXIMATE LOCATION OF J & L MAIN ZONE
0 1000 2000 metres
1 : 50,000
N
138630 138631
120 1550 152 324 350 2.4 820
80 1850 176 353 437 3.0 660
138633
840 1400 186 47 284 2.7 780
3800 1150 188 269 334 2.6 820
138632
138629
20 610 162 307 265 2.4 700
138628
<20 250 150 199 310 1.8 1100
138627
20 330 132 250 238 2.8 900
138626
3680 360 140 234 296 2.6 1020
138625
4200 340 98 400 216 2.6 700
138624
840 350 104 332 236 1.8 1240
138623
2280 480 100 318 266 1.4 1700
138622
<20 180 84 120 204 1.0 1640
13862
680 390 78 338 304 2.4 1000
138634
520 75 130 400 540 1.4 1800
138635
840 50 184 347 334 1.2 2500
138636
1920 81 164 450 240 1.4 1500
138637
9400 57 156 56 97 0.7 700
138638
20 50 142 55 84 0.5 760
138639
<20 61 107 100 131 1.4 1700
138640
680 45 80 85 115 1.0 1540
Au As
Cu Pb
Zn Ag
Ba
SELCO DIVISION - BP RESOURCES CANADA LIMITED
J & L PROJECT
1984 HEAVY MINERAL SAMPLE RESULTS
SCALE 1:50,000
DRAWN BY: B. Grant
FIG. 29
DATE OCT. 1984
DRAFTED BY: L. G.
N.T.S. 82 M/8E
PROJ. 10115
REPORT BPVR 84-53

In interpreting these results, one must note that particularly with heavy minerals, sporadic highs and/or lows are to be expected in the results due to the errors introduced by sampling and concentrating. What is most importance are the general trends (See Figure 29A). All metals show a general trend to be relatively low (although still anomalous) immediately below the actual showings and the values increase downstream away from the showings. The values peak about 1 to 2 km from the source and then tend to decrease downstream. The reason for these trends are believed to be that material weathered from the showings is in the form of boulders and rock fragments. As they travel downstream they are eroded (milled) so that individual mineral grains are released at the 1 to 2 km distance which gives rise to the better heavy mineral results. As the material is moved further downstream, the grains are more finely milled and destroyed and mixed with greater amounts of unmineralized materials.

The Pb-Zn-Ag trends are closely parallel, indicating that these minerals are very closely associated and finely intermixed in the source material. Copper shows an increasing trend downstream and is not similar in pattern



* Approx. Location of Sulphide Showing

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J & L PROJECT

HEAVY MINERAL DISPERSION

SCALE As Shown	DRAWN BY: B. Grant	FIG. 29A
DATE Feb. 1985	DRAFTED BY: L. G.	
N.T.S.	PROJ. 10120	REPORT BPVR 84-53

to the Pb-Zn-Ag indicating that perhaps there is a weak source of copper downstream of the J & L. The As-Au trends are similar, but the arsenic peaks before the gold values, indicating that placer gold buildup first requires the breakdown of the arsenopyrite minerals.

The metal values (both base and precious metals) are anomalous for the full extent of the sample pattern, at a distance of 5 km from the J & L showings. Further sampling downstream would be necessary to define the full extent of the anomalous results although this would be difficult to carry out due to very rugged terrain and because the lower reaches of Carnes Creek are now flooded by the Revelstoke Dam.

The gold, arsenic, silver and zinc anomalies obtained from samples from Kelly Creek are possibly draining from the strike extension of the North Zone and/or the Roseberry Prospect, but the source cannot be determined at this time.

3. Underground Development Results

The chip sampling results from Main Zone indicates that it attains substantial thicknesses and grades along a large

TABLE IV**

MAIN ZONE (U/G): WEIGHTED AVERAGE GRADES

Section	% Pb	% Zn	% As	g/t Ag	g/t Au	Est. True Width (m)
10,539.168E	6.80	13.38	4.491	196.5	6.8	0.55
	1.21	2.37	0.856	35.4	1.4	2.38
10,541.725E	9.69	19.41	3.323	251.4	10.0	0.30
	1.84	3.60	0.844	49.3	2.0	2.17
10,544.368E	2.81	6.04	2.536	106.5	5.5	1.28
	1.74	3.59	1.850	66.4	3.6	2.15
10,547.354E	2.32	11.34	3.810	56.2	5.8	2.10
	2.11	10.32	3.516	51.5	5.4	2.50
10,550.600E*	3.73	8.84	2.980	101.3	6.0	1.25
	2.14	5.20	1.523	57.1	3.7	2.22
	3.07	5.51	2.395	77.2	6.4	2.40
10,554.370E	0.87	3.84	0.987	23.5	2.4	1.05
	0.74	2.29	1.718	19.9	2.4	1.60
	0.60	2.34	1.120	15.9	2.0	2.45
10,558.386E	1.23	2.23	3.542	42.3	5.1	1.45
	0.86	1.62	2.666	29.7	3.7	2.35
10,562.509E	1.61	0.73	9.833	87.6	7.0	0.40
	0.96	0.42	7.162	51.2	4.4	0.75
	0.64	0.66	3.724	32.0	2.5	1.17
10,567.095E	7.85	9.09	3.760	258.1	10.4	1.69
	3.40	3.95	2.178	113.0	4.8	3.88
10,570.305E	8.12	17.60	5.270	341.1	15.3	0.30
	1.50	3.07	5.801	66.6	3.6	2.38
10,574.505E*	7.25	17.39	8.891	188.2	11.8	0.30
	3.19	7.53	8.540	82.5	5.5	0.65
	0.63	1.06	6.860	26.7	1.5	2.75
10,578.375E	7.03	14.13	6.970	255.9	15.5	0.20
	3.18	6.64	3.792	112.9	7.2	0.47
	0.78	1.55	2.043	29.9	1.8	2.60

TABLE IV
(continued)

Section	% Pb	% Zn	% As	g/t Ag	g/t Au	Est. True Width (m)
10,582.086E	7.26	9.29	11.000	144.3	19.3	0.15
	1.74	2.13	4.684	32.6	5.0	0.87
	1.49	1.66	5.570	29.0	4.3	1.40
10,586.727E	7.77	16.48	2.203	146.4	15.0	0.20
	1.74	9.87	2.091	39.2	3.9	0.90
	1.03	4.28	2.476	18.1	2.0	2.50
10,591.015E	1.69	2.26	8.122	38.9	11.2	1.70
	1.53	2.31	7.295	36.0	10.1	2.05
	1.51	2.00	7.250	34.7	10.1	2.10
	1.38	2.07	6.592	32.4	9.1	2.50
10,594.557E	1.21	1.88	6.500	22.9	4.2	2.22
10,597.697E	1.45	2.52	6.789	43.6	8.4	2.34
10,601.370E	1.10	1.91	7.754	40.6	13.4	2.20
	1.01	1.77	7.542	37.2	12.3	2.58
10,604.755E	1.01	2.15	7.819	40.1	11.0	2.90
10,607.930E*	0.50	0.58	8.926	6.0	6.4	1.55
	0.97	1.63	5.866	20.6	8.8	4.65
10,610.845E	0.96	0.65	8.155	22.7	4.9	2.65
10,613.898E	5.84	3.01	8.181	184.2	8.6	1.75
	5.33	2.77	7.644	167.8	8.0	2.13
10,617.634E	1.91	4.61	9.612	61.0	16.1	2.05
	1.66	3.80	7.714	52.1	12.9	2.55
10,621.246E	1.46	2.69	9.190	49.5	12.7	1.40
	1.12	1.99	6.390	36.3	8.9	2.20
10,624.461E	2.36	2.75	4.243	41.9	7.4	2.03
	2.28	2.65	4.082	40.1	7.1	2.15
10,628.022E	2.18	2.64	5.003	34.2	9.2	2.30
	1.34	2.45	4.638	31.6	8.5	2.70

TABLE IV
(continued)

Section	% Pb	% Zn	% As	g/t Ag	g/t Au	Est. True Width (m)
10,631.385E	2.01	3.28	8.480	49.4	14.3	2.00
	1.97	3.21	8.314	48.2	14.0	2.13
10,634.413E	1.96	3.56	5.146	48.6	9.6	1.65
	1.44	2.63	3.894	35.7	7.2	2.46
10,637.722E*	2.27	5.33	7.039	102.8	16.0	1.76
	1.90	4.45	5.920	86.1	13.4	2.30
	2.53	4.22	3.775	80.3	10.3	4.35
10,641.129E	3.32	4.77	7.405	119.5	14.3	1.20
	2.28	3.28	5.163	82.8	9.8	2.20
10,644.632E	3.14	7.33	3.642	154.7	11.2	1.10
	1.88	4.35	2.346	98.3	6.8	2.01
10,648.292E	2.12	3.98	4.727	51.8	10.4	2.50
10,651.745E	0.66	3.11	3.164	20.7	10.6	2.55
	0.62	2.89	2.944	19.3	9.9	2.85
10,655.297E	1.43	2.64	5.524	45.2	14.9	1.95
	1.36	2.51	5.258	44.2	14.2	2.25
10,658.010E	2.70	3.42	4.614	78.8	7.1	2.00
	2.44	3.09	4.160	71.5	6.3	2.33
10,661.804E	2.08	5.64	8.360	71.2	10.6	2.55
	1.88	5.12	7.634	65.7	9.8	2.76
10,665.072E	4.46	11.97	8.601	128.2	17.1	2.20
	4.19	11.24	8.127	120.8	16.1	2.50
10,668.479E	1.93	7.50	8.921	44.4	18.1	2.50
10,671.642E*	1.50	1.96	8.359	34.8	13.5	2.00
	1.38	1.78	7.562	32.8	12.1	2.50
	1.15	1.25	6.075	33.3	7.5	5.60
10,674.753E	0.86	1.52	14.650	25.2	14.4	2.10
	0.82	1.44	14.012	23.9	13.7	2.30

TABLE IV
(continued)

Section	% Pb	% Zn	% As	g/t Ag	g/t Au	Est. True Width (m)
10,677.737E	0.15	0.32	2.056	12.7	2.5	1.40
	0.29	0.50	1.956	15.1	2.5	1.95
	0.26	0.51	1.842	13.7	2.4	2.52
10,681.429E	0.37	0.28	2.851	7.1	3.0	1.75
10,684.811E	1.49	2.25	4.344	49.0	10.4	2.32
10,688.109E	2.21	3.74	4.239	69.2	4.3	0.80
10,690.857E	8.39	12.47	9.049	216.6	14.6	0.15
	2.36	3.54	2.510	64.7	4.4	0.77
10,694.004E*	8.12	12.64	12.004	239.3	14.2	0.15
	2.08	5.68	4.398	55.7	6.9	4.80
10,696.743E	8.03	12.00	8.438	218.3	9.3	0.20
	1.23	1.92	1.549	37.2	1.7	2.02
10,699.851E	1.33	2.00	4.514	37.9	6.2	1.30
	0.70	1.04	2.416	19.7	3.3	2.65
10,700.831E	1.14	4.25	14.346	49.7	15.9	1.45
	0.94	3.50	11.755	40.4	12.9	1.85
10,702.752E	1.10	4.55	8.967	37.0	5.8	0.75
	0.31	1.19	3.079	12.2	1.8	2.46
10,704.822E	0.09	0.24	1.730	5.8	1.4	1.90
10,709.119E	0.91	1.12	3.549	22.4	3.4	0.55
10,712.431E	3.25	5.15	12.048	81.1	18.0	0.25
10,714.999E	1.33	3.36	9.090	43.8	9.0	0.16
10,717.594E*	0.32	0.52	5.905	15.3	4.9	1.33
	0.52	0.74	3.487	19.3	2.8	3.80
10,721.641E	0.77	0.82	12.900	45.0	8.5	0.37
10,724.789E	0.27	0.07	15.351	11.4	4.5	0.85

TABLE IV
(continued)

Section	% Pb	% Zn	% As	g/t Ag	g/t Au	Est. True Width (m)
10,727.988E	0.23	0.01	17.656	14.2	12.8	0.30
10,730.940E	0.60	0.85	8.385	20.7	4.8	1.40
	0.43	0.59	6.392	15.6	3.4	2.32
10,733.691E	1.55	2.56	5.659	33.3	4.9	2.25
	1.50	2.49	5.428	32.6	4.7	2.42
10,737.382E	3.17	4.60	8.430	58.3	7.5	1.75
	2.61	3.78	7.313	48.6	6.3	2.50
10,739.643E	3.05	4.69	5.920	62.4	9.0	1.90
	2.13	3.26	4.805	43.8	6.4	2.80
10,743.535E	5.59	8.86	3.143	108.3	6.0	2.15
	5.20	8.23	2.954	100.8	5.6	2.43
10,746.869E	6.11	7.62	6.699	101.8	7.9	1.60
	4.32	5.39	5.070	73.9	5.6	2.48
10,749.640E*	4.31	8.39	6.799	73.1	7.1	1.30
	2.40	4.64	3.945	41.5	4.1	2.47
	2.29	4.99	5.129	47.9	4.7	2.50
10,752.460E	5.02	5.21	3.997	95.5	4.4	1.00
	2.63	2.77	2.464	56.5	2.4	2.31
10,755.766E	6.88	10.60	4.788	138.9	8.0	1.55
	4.67	7.23	3.265	95.4	5.4	2.50
10,758.589E	7.84	9.36	4.495	150.2	7.9	1.73
	6.84	8.16	4.028	130.6	7.0	2.18
10,761.867E	9.33	9.36	2.652	180.9	4.9	1.60
	7.90	7.94	2.272	153.9	4.2	2.18
10,765.054E	8.45	8.46	2.281	179.7	4.2	1.75
	7.21	7.23	1.978	153.8	3.6	2.35
10,768.483E	3.77	3.56	1.644	80.1	2.0	2.10

TABLE IV
(continued)

Section	% Pb	% Zn	% As	g/t Ag	g/t Au	Est. True Width (m)
10,771.600E	5.85	9.69	1.690	101.3	3.7	1.55
	5.45	9.43	1.542	94.0	3.5	1.80
	4.59	7.93	1.459	79.9	3.0	2.53
10,774.785E*	5.68	8.11	1.097	102.2	2.7	1.30
	3.83	5.52	0.940	70.2	1.9	2.20
	1.27	2.69	0.379	24.9	0.6	5.15
10,778.267E	5.27	10.94	1.048	93.9	3.1	1.50
	3.96	8.12	1.060	71.1	2.5	2.10
10,781.672E	4.63	8.16	1.022	95.3	1.7	2.27
10,784.742E	5.75	20.06	3.388	59.3	9.8	0.25
	1.33	8.06	2.932	12.5	1.9	1.34
	0.88	5.61	1.958	8.9	1.6	2.71
10,787.715E	1.74	6.38	2.685	31.2	1.8	0.78
	1.08	3.65	3.114	19.8	2.0	1.35
	0.78	2.57	2.129	13.3	1.5	2.52
10,790.594E	6.44	15.74	1.825	111.9	6.1	0.50
	0.98	2.47	1.225	17.7	1.4	2.20
10,793.277E	1.63	3.66	3.445	31.7	3.0	0.70
	1.39	3.75	2.881	26.5	2.5	1.03
	0.64	1.71	1.345	12.9	1.5	2.14
10,796.431E	2.02	4.31	3.691	35.9	4.0	1.10
	1.97	4.26	3.523	35.1	3.8	1.18
	1.07	2.31	2.006	19.6	2.3	2.20
10,799.397E*	6.05	7.62	2.597	121.3	13.1	1.15
	3.18	3.98	1.742	64.7	7.0	2.75
	0.51	1.55	1.096	10.9	4.5	6.10
10,802.993E	4.63	11.61	1.545	93.8	4.0	1.10
	2.61	6.57	0.885	53.7	2.3	2.41
10,806.226E	3.86	9.27	3.346	75.6	4.9	1.40
	2.79	6.69	2.438	54.7	3.5	2.45
10,809.555E	2.11	6.71	1.485	43.0	2.2	1.70
	1.79	5.59	1.678	36.3	2.0	2.26

TABLE IV
(continued)

Section	% Pb	% Zn	% As	g/t Ag	g/t Au	Est. True Width (m)
10,812.566E	1.23	3.42	1.340	23.5	1.7	1.65
	1.02	2.80	1.186	19.7	1.4	2.20
10,815.490E	0.58	1.86	1.169	8.9	0.9	1.80
	0.58	1.87	1.110	9.0	1.0	2.04
10,818.779E	2.11	9.01	1.904	40.3	2.7	1.50
	1.39	6.08	1.298	28.5	1.9	2.46
10,822.267E*	2.42	9.02	0.617	39.5	0.8	2.20
	3.19	8.52	0.696	44.1	0.9	2.40
	1.00	2.78	0.278	15.6	0.5	8.45
10,825.704E	1.18	3.53	0.956	19.3	0.5	2.20
10,829.142E	1.21	5.91	0.536	19.7	0.5	2.45
10,830.696E	1.43	20.51	0.275	25.6	0.8	2.50

*JV Section

TABLE IV
(continued)

From	To	% Pb	% Zn	% As	g/t Ag	g/t Au	Est.True Width(m)
		Zones - Weighted Averages					
539.168E	830.696E	2.00	3.91	4.052	48.8	5.6	2.32
			OR				
		1.86	3.71	3.839	45.6	5.4	2.46
539.168E	674.753E	1.68	3.20	5.192	50.1	7.7	2.58
677.737E	690.857E	1.02	1.56	3.068	32.6	5.2	1.63
694.004E	700.831E	1.42	3.57	4.628	41.5	6.1	2.83
702.752E	730.940E	0.46	0.80	5.284	17.0	3.4	1.30
733.691E	765.054E	4.20	5.52	4.116	83.4	5.1	2.42
768.483E	830.696E	2.17	5.82	1.323	40.2	2.0	2.34
			OR				
		1.63	4.71	1.097	30.3	1.8	2.93
591.015E	674.753E	1.72	3.09	6.266	50.5	9.8	2.70
539.168E	700.831E	1.61	3.12	4.999	48.1	7.4	2.51
733.691E	830.696E	2.89	5.71	2.306	55.4	3.1	2.37
			OR				
		2.41	4.95	2.010	46.4	2.8	2.75

**Please note that the weighted average grades were calculated over the same massive sulphide sections, but utilized various widths.

portion of the 1984 drifting. Since in many cases, the drift did not intersect the entire lateral extent of the mineralized zone, the short J.V. holes were drilled into both walls of the adit (See Plans 11-21). It should be remembered that the 1984 drifting started in the hangingwall stratigraphy, thus a gap in mineralization between 1983 and 1984 drifting.

Chip sampling and drilling in the 1984 drifting revealed 2 mineralized zones which erratically pinch and swell (See summary at end of Table IV). Zone 1 is 161.663 metres long (10539.168E-10700.831E), 2.51 metres wide and averages 1.61% Pb, 3.12% Zn, 4.999% As, 48.1 g/t Ag, 7.4 g/t Au. This is separated by a lower grade narrower section which is 28.188 metres long (10702.752E-10730.940E), 1.30 metres wide and averages 0.46% Pb, 0.80% Zn, 5.284% As, 17.0 g/t Ag and 3.4 g/t Au. Zone 2, which is 97.005 metres long (10733.691E-10830.696E), 2.37 metres wide and averages 2.89% Pb, 5.71% Zn, 2.306% As, 55.4 g/t Ag and 3.1 g/t Au, is "open" to the east.

As was mentioned previously, the drift did not always intersect the entire width of the mineralized sections, therefore the above grades and thicknesses maybe, in part, misleading. Thus, a more realistic appraisal of the J & L Main Zone maybe indicated by the results from the 830 metre level drilling (J.V. holes) and their corresponding drift faces. This sampling indicates that the Main Zone between 10550.600E and 10822.267E (271.667 m) has a width of 4.05 m and an average of 1.48% Pb, 3.04% Zn, 3.592% As, 35.2 g/t Ag and 5.3 g/t Au (See Table VI). It also indicates that there are 2 separate mineralized zones. Zone 1 is 143.404 metres long (10550.600E-10694.004E), 4.09 metres wide and averages 1.67% Pb, 3.11% Zn, 5.028% As, 43.6 g/t Ag and 7.3 g/t Au. Zone 2 is 72.627 metres long (10749.640E-10822.267E) and open along strike, 4.04 metres wide and averages 1.43% Pb, 3.48% Zn, 1.432% As, 26.0 g/t Ag and 2.8 g/t Au.

It should be noted that the gold and arsenic grades tend to drop off from, approximately, 10768E to the end of the present drift where the zinc content has substantially increased. It should also be remembered that the grade calculations utilized uncut assays and that results were rounded off (See Plan 22).

TABLE V**

J.V. SECTIONS - WEIGHTED AVERAGE GRADES

From	To	Length (m)	% Pb	% Zn	% As	g/t Ag	g/t Au	Est. True Width (m)
10,550.600E	10,694.004E	143.404	1.67	3.11	5.028	43.6	7.3	4.09
10,749.640E	10,822.267E	72.627	2.24	4.51	1.659	41.5	2.8	3.20
			1.43	3.48	1.432	26.0	2.8	4.04
			1.56	3.22	1.163	29.6	2.0	4.71
			1.07	2.67	1.072	20.1	2.1	5.55
10,550.600E	10,822.267E	271.667	1.74	3.33	3.838	40.7	5.5	3.74
			1.48	3.04	3.592	35.2	5.3	4.05
			1.54	2.96	3.360	36.1	4.9	4.29
			1.32	2.74	3.175	31.5	4.7	4.60

**Please note that the weighted average grades were calculated over the same massive sulphide sections, but utilized various widths.

The thickest sections were found at 10799.397E (6.10 m) and 10822.267E (8.45 m) and the thinnest at 10714.99E (0.16 m), see Table IV. Again there appears to be a strong correlation between the arsenic and gold and between the lead and the silver. It also appears that the lead and zinc belong to a completely different population than the gold and arsenic. There is apparent, relative lack of gold associated with the coarse-grained arsenopyrite, but further work will be required to confirm this.
Chip sampling results from the two crosscuts indicate that the 10670E crosscut stratigraphy is relatively barren of mineralization and that there are 3 narrow mineralized sections within the 10820E crosscut, but they are not of economic importance.

Specific gravity readings reveal the following average specific gravities for the different stratigraphic units. Carbonaceous limestone (02) is 2.81, grey banded limestone (03) is 2.82, sericitic phyllites (04) are 2.91, chloritic phyllites (05) are 2.84, quartzites (06) are 2.92, quartz-sericite phyllite is 2.92, the quartz lens (13) is 2.85 and the massive sulphides (12) are 4.08.
Preliminary X.R.F. analyses indicate appreciable gallium

(up to 41 ppm) and germanium (up to 46 ppm) contents, but the significance of these elements is still to be determined. It also indicates erratic, high (up to 1.12%) copper values with a general, corresponding antimony high (up to 9825 ppm). Some of the copper can be explained by the visible secondary chalcopyrite, but the other copper highs and their corresponding antimony indicates the probable presence of tetrahedrite which has only been identified at a few locations. Thus, the Pb-Sb sulphosalts probably only account for a portion of the antimony content of the Main Zone. This should be studied further.

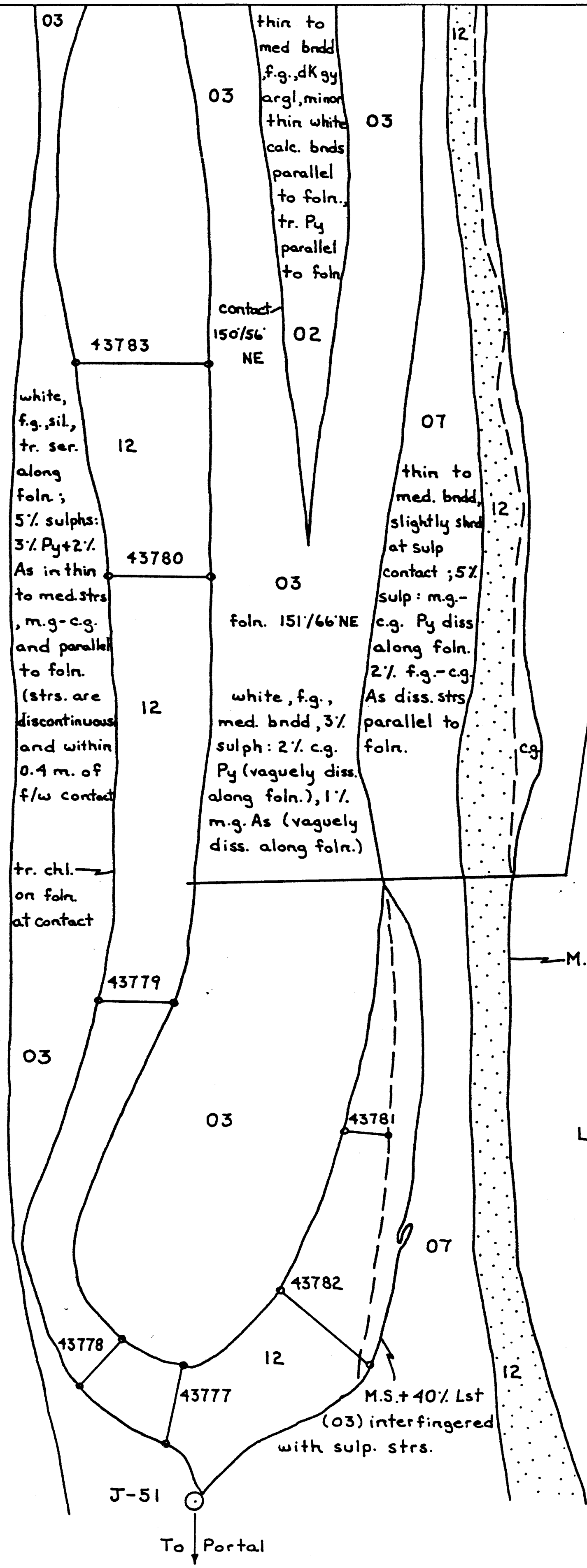
Preliminary isotopic analysis of coarse-grained galena from the 830 m drift give the following isotopic ratios: 206/204: 18.866, 18.875; 207/204: 15.705, 15.713; 208/204: 38.790, 38.826. McClay states that this indicates probable Mesozoic remobilization or introduction of lead into the ore system, but further work is required.

Chip sampling (See Figures 30 and 31) of folded massive sulphide bands in the 830 m drift was completed in order to investigate possible precious metal concentrations in various parts of a fold nose, but results were inconclusive.

J & L LEGEND

01	Graphite Schist
02	Carbonaceous Limestone and Chert
03	Limestone
04	Sericite (Muscovite), Sericite-Quartz Phyllite (maybe calcareous)
05	Chlorite, Chlorite-Sericite, Chlorite-Quartz Schist (maybe calcareous)
06	Quartzite, Quartz-Chlorite Schist (maybe calcareous)
07	Quartz-Sericite Schist ($\pm$ minor chlorite)
08	Chert
09	Injected Quartz Breccia
10	Mylonite (sheared schist)
11	Calcite, Barite, Dolomite
12	Massive Sulphides
13	Quartz
14	Porphyry Dyke

	% Pb	% Zn	% As	g/t Ag	g/t Au	m L
43777	0.12	0.01	25.800	30.9	2.7	0.30
43778	0.40	0.01	27.900	76.2	2.6	0.24
43779	0.06	0.01	13.700	23.5	1.2	0.30
43780	0.01	<0.01	5.590	4.1	1.4	0.40
43781	0.05	<0.01	28.900	7.9	3.1	0.20
43782	0.15	0.01	25.900	48.3	3.1	0.46
43783	0.01	0.01	6.730	1.6	1.1	0.52

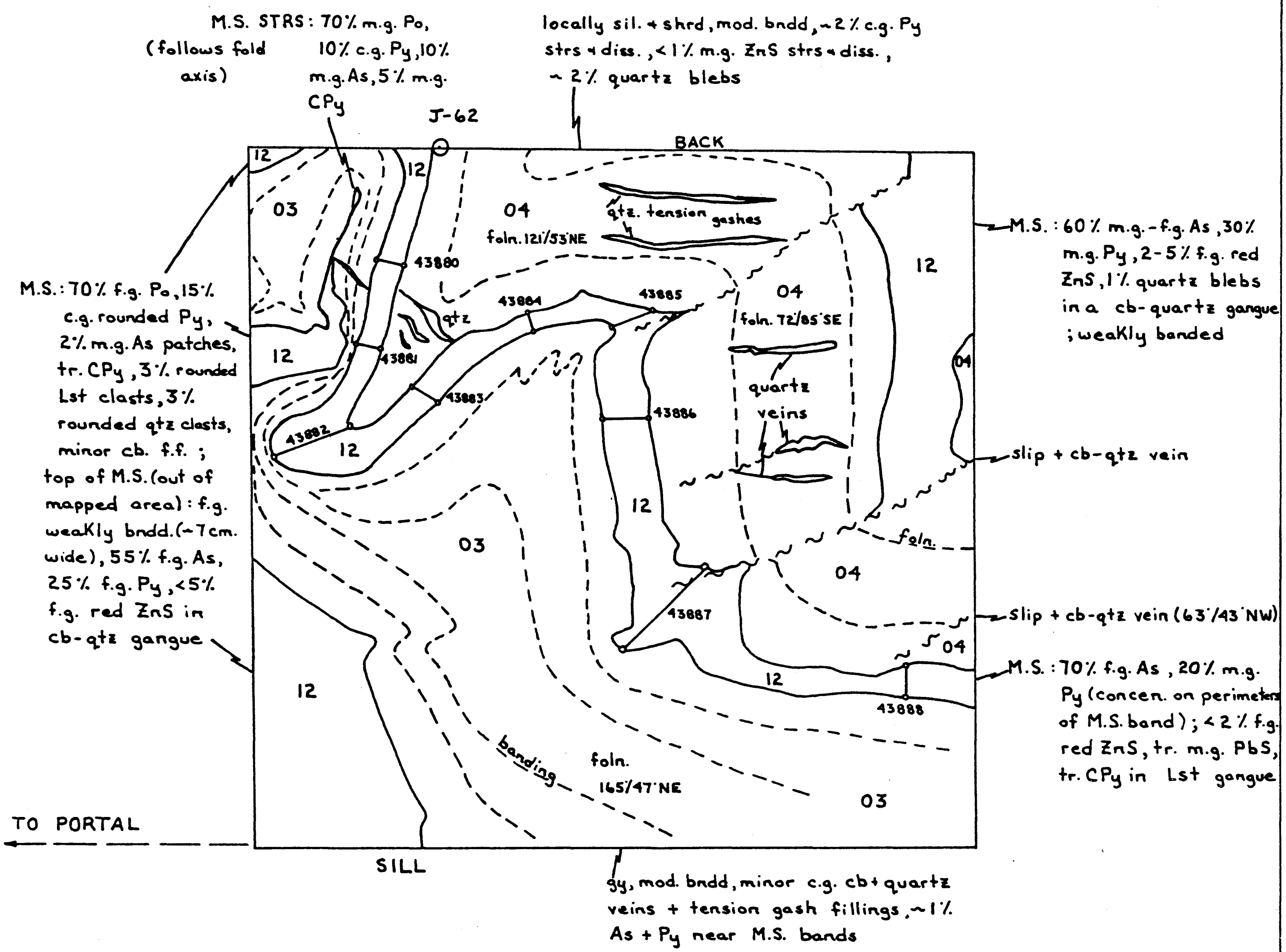


LOCATION: J-51 (10,572.062E, 9950.637N)

SELCO DIVISION -
BP RESOURCES CANADA LIMITED

J & L PROJECT
FOLD SAMPLING

SCALE 1:25	DRAWN BY: F.T.M.		FIG. 30
DATE AUGUST 1984	DRAFTED BY: R.P.		
N.T.S. 82 M/8E	PROJ. 10115	REPORT BPVR 84-53	



	% Pb	% Zn	% As	g/t Ag	g/t Au	m L
43880	1.30	1.83	11.900	33.2	14.8	0.10
43881	1.39	1.54	17.900	36.3	20.6	0.08
43882	0.98	0.57	12.500	26.1	14.3	0.32
43883	1.06	0.22	23.000	30.8	35.0	0.10
43884	3.20	0.90	18.300	66.5	20.6	0.06
43885	0.90	0.61	7.910	19.8	4.9	0.15
43886	1.38	3.47	8.950	50.6	9.7	0.85
43887	1.83	2.06	10.600	40.2	11.2	0.42
43888	0.79	3.84	10.300	26.2	13.6	0.12

LOCATION: J-62 (10,675.718E, 9925.993N.)
north wall

0 0.5 1.0 Metre

SELCO DIVISION -
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J & L PROJECT

FOLD SAMPLING

SCALE 1:25	DRAWN BY: F.T.M.		FIG. 31
DATE AUGUST 1984	DRAFTED BY: R.P.		
N.T.S. 82 M/8E	PROJ. 10115	REPORT BPVR 84-53	

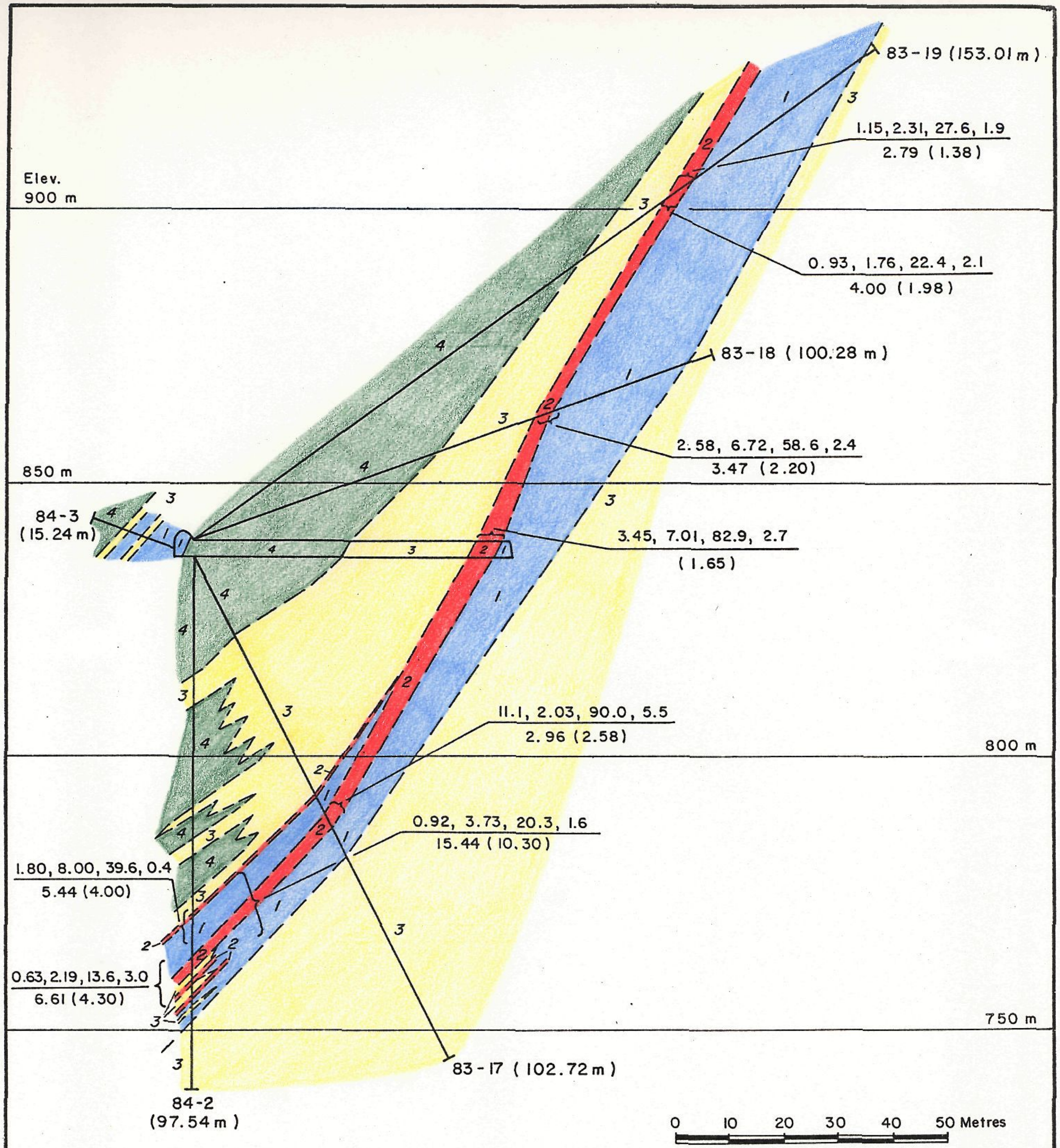
Duplicate sample results are generally within 20%, but there are some large discrepancies, but these can be expected with the rush duplicate chip sampling. Differences in the gold values can be explained with discrepancies in the arsenic content as can the silver values with the lead content. Check sample results appear fairly consistent with differences less than 18%.

Ore reserve calculations were completed using a zone which is one of 70% sulphides and a 3 metre width above the drift level and 5 metres below the drift level. A specific gravity of 3.5 was used and the Westairs' data from the 830 m drift was ignored as their grades were essentially confirmed by the 1983 chip sampling, but Selco data indicates a true width of less than 1 metre. Additional chip sampling should be done to investigate this discrepancy. Indicated ore reserves from, approximately, 10329E to the end of the present drift and up to 30 metres below surface and down to 200 metres below the drift level, total 2.764 million tonnes (See Plan 23). Jim Wan of Selco, Toronto has recently completed reserve calculations, using 1.6 m mining width and a 3.4 g/t gold equivalent, outlining 4 zones totalling 5,870 tonnes per vertical metre grading 2.12% lead, 3.91% zinc, 5.70 grams gold, 58.04 g silver and 4.87% arsenic with an average true width of 2.68 m. The author has not yet verified Wan's figures.

4. Diamond Drill Results

Results from the crosscut drilling indicates that the Main Zone is comprised of between 1 and 10 massive sulphide bands which range between 0.6 to 1.93 metres wide (core length). These bands are separated by sericite-quartz to quartz-sericite phyllites, limestones and quartzites which contain appreciable disseminated mineralization. Zonations within the Main Zone cannot be correlated up and down dip. Mineralized sections range up to 13.00 metres, true width and there is a trend of zone thinning, up dip (See Table V). The general trend of increasing grade and/or thickness of the Main Zone with depth was confirmed by the 10500E and 10820E crosscut drilling, but not in the 10670E crosscut drilling. Generally, the hangingwall and footwall stratigraphy consists of intercalated sericitic quartzites and phyllites and chloritic phyllites (See Plans 5-10).

In the 10500E crosscut, the short hangingwall hole (See Figure 32) exposed interbedded quartzites and limestones which are overlain by chloritic phyllites. The vertical



LEGEND

4	Chlorite Schists
3	Sericitic Quartzite & Chert
2	Massive & Disseminated Sulphide
1	Limestone

1.11, 2.03, 90.0, 5.5 — % Pb, % Zn, g/t Ag, g/t Au

2.96 (2.58) — core length (true width), metres

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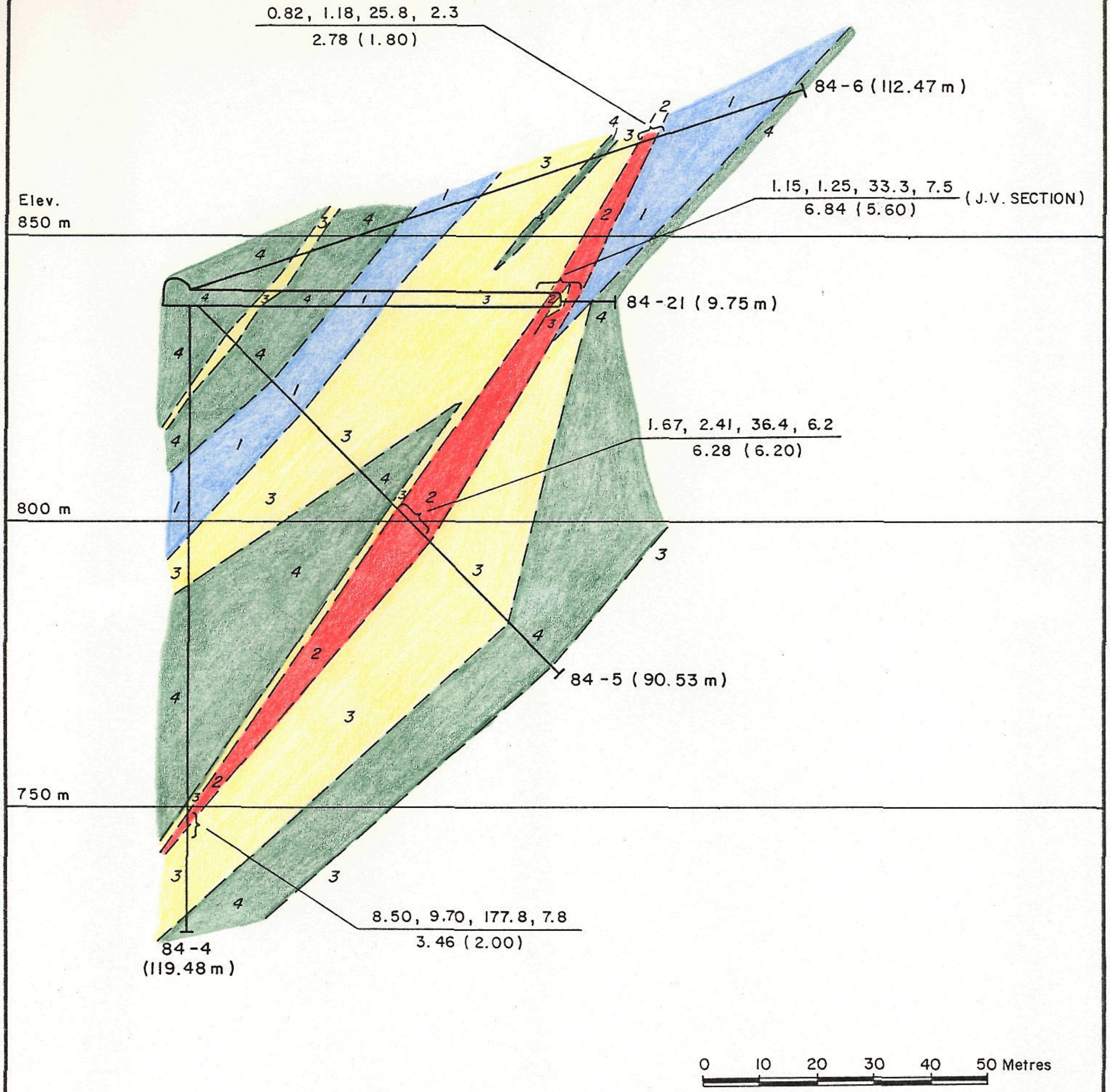
J & L PROJECT

SECTION - 500 CROSSCUT

LOOKING SOUTH

SCALE	1 : 1000	DRAWN BY:	R. PEGG	FIG. 32	
DATE	NOV., 1984	DRAFTED BY:	C.H.K.		
N.T.S.	82M/8E	PROJ.	10120	REPORT	BPVR 84-53



LEGEND

4	Chlorite Schists
3	Sericitic Quartzite & Chert
2	Massive & Disseminated Sulphide
1	Limestone

8.50, 9.70, 177.8, 7.8 — % Pb, % Zn, g/t Ag, g/t Au
3.46 (2.00) — core length (true width), metres

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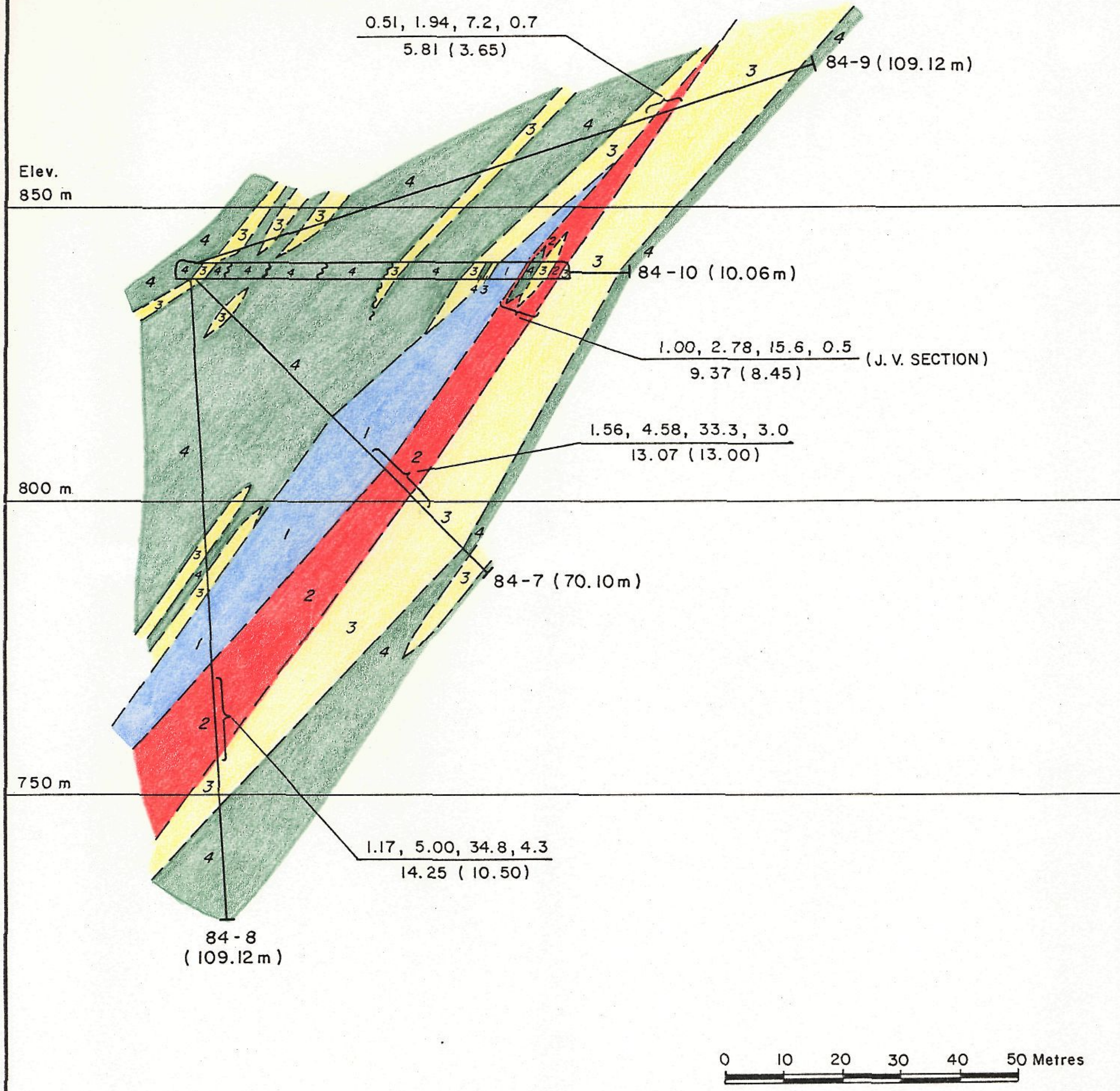
J & L PROJECT

SECTION - 670 CROSSCUT

LOOKING SOUTH

SCALE 1:1000		DRAWN BY: R. PEGG		FIG. 33
DATE NOV., 1984		DRAFTED BY: C.H.K		
N.T.S. 82 M/8E	PROJ. 10120		REPORT BPVR 84-53	



LEGEND

- 4 — Chlorite Schists
- 3 — Sericitic Quartzite & Chert
- 2 — Massive & Disseminated Sulphide
- 1 — Limestone

1.17, 5.00, 34.8, 4.3	% Pb, % Zn, g/t Ag, g/t Au
14.25 (10.50)	core length (true width), metres

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J & L PROJECT

SECTION - 820 CROSSCUT

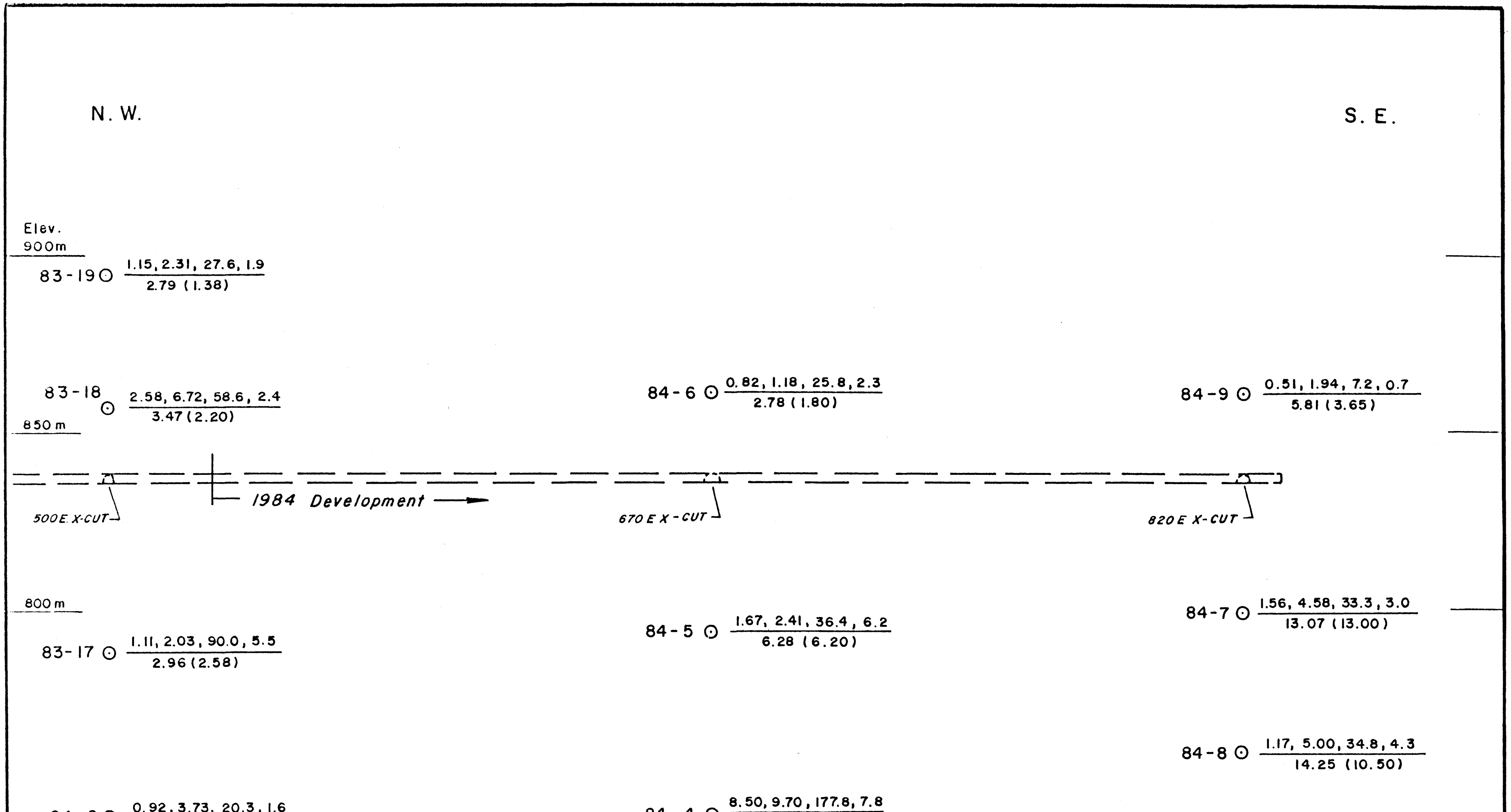
LOOKING SOUTH

SCALE	1 : 1000	DRAWN BY: R PEGG		FIG. 34
DATE	NOV, 1984	DRAFTED BY: C H K.		
N.T.S.	82M/8E	PROJ. 10120	REPORT BPVR 84-53	

hole indicated that the Main Zone ccnsists of 2 sub-zones, the upper of which is zinc rich and gold poor while the bottom zone is lower in base metals, but contains an elevated gold content. Limestones and phyllites separate the individual massive sulphide sections. The weighted average grade of the Main Zone which was intersected by the drilling from the 10500E crosscut is 1.48% Pb, 3.50% Zn, 2.772% As, 47.3 g/t Ag and 3.2 g/t Au over a true width of 2.54 metres.

In the 10670E crosscut, the drilling indicated that the Main Zone is widest in the -45° drill hole (See Figure 33) and thins up and down dip. The up hole also showed a lower grade ore section. The limestone in the hangingwall remains fairly constant in thickness, but the limestone in the immediate footwall pinches out below the drift level and thickens up dip. The weighted average grade of the Main Zone which was intersected by the drilling from the 10670E crosscut is 2.26% Pb, 2.79% Zn, 4.255% As, 52.2 g/t Ag and 6.4 g/t Au over a true width of 3.90 metres.

The drilling from the 10820E crosscut indicated that the zone thickens down dip, but the thickness and grade of the economic sections remains fairly constant below the drift level. This drill section displays relatively low gold values with an increase in gold content down dip (See



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J & L PROJECT
LONGITUDINAL SECTION
830 m LEVEL ADIT

SCALE	DRAWN BY: R. PEGG	FIG. 35
DATE DEC., 1984	DRAFTED BY: C.H.K.	
N.T.S. 82 M/8E	PROJ. 10120	REPORT BPVR 84-53

TABLE VI**

DIAMOND DRILL RESULTS - SUMMARY

Hole Number	Sample Inter.(m) From	to	Weighted Average grade % Pb	% Zn	% As	g/t Ag	g/t Au	Est. True Width(m)
84-2	64.56	70.00	1.80	8.00	0.073	39.6	0.4	4.0
	73.39	80.91	0.63	2.19	2.300	13.6	3.0	4.30
	64.56	80.91	0.92	3.73	1.159	20.3	1.6	10.30
84-4	89.08	92.54	8.50	9.70	2.445	177.8	7.8	2.00
84-5	49.79	56.07	1.67	2.41	3.829	36.4	6.2	6.20
	49.79	57.99	1.36	1.88	3.363	32.9	5.0	8.00
	49.79	59.42	1.22	1.65	2.947	29.7	4.5	9.40
84-6	83.06	85.84	0.82	1.18	2.071	25.8	2.3	1.80
84-7	41.88	51.68	2.06	5.99	3.963	42.4	4.0	9.80
	41.88	54.95	1.56	4.58	3.035	33.3	3.0	13.00
84-8	68.12	82.37	1.17	5.00	3.937	34.8	4.3	10.50
84-9	79.38	85.20	0.51	1.94	0.229	7.2	0.7	3.65

**Please note that the weighted average grades were calculated over the same massive sulphide sections, but utilized various widths.

Figure 34). There is no footwall limestone and the hangingwall limestone pinches out above the drift level and is thinning out in the -90° hole. The weighted average grade of the Main Zone which was intersected by the drilling from the 10820E crosscut is 1.42% Pb, 4.72% Zn, 2.819% As, 31.5 g/t Ag and 3.0 g/t Au over a true width of 7.39 metres.

Thus, there is a general trend of increasing zone thickness along strike to the east, in the 1984 crosscut drilling (See Figure 35).

GEOLOGICAL SETTING

Recent studies by structural geologists has fueled the on-going discussion of whether the J & L was originally a vein or sedex type deposit. McClay argues that the deposit is sheet-like and occupies a shear zone which the authors do not dispute. McClay goes on to argue that, due to the lack of primary or syndepositional textures and the presence of calcite and/or quartz fragments in the massive sulphides, the J & L was originally a vein type deposit. He also states that "Even if the sulphides were deposited syngenetically with the host sediments, the intense polyphase deformation would have destroyed any evidence of this origin and has remobilized the sulphides into their present shear zone configuration. The authors believe that the presence of massive and/or disseminated sulphides at or near the present top of the Hamill limestone unit on Goat Mountain is evidence of primary stratigraphic control. Primary structures, except for gross bedding features, are not expected in a starved basin environment and would easily be destroyed by initial definition. The lack of arsenical sulphides extending into the Mohican metasediments also tends to throw question on the vein origin proposal. The calcite and/or quartz fragments in the sulphides maybe remnants of the country rocks and/or later stage vein events. The presence of the arsenopyrite should not be used as a primary reason for the vein premise as many sedex deposits (e.g. Sullivan) contain arsenic in appreciable, albeit relatively minor, quantities. It should be noted that lithogeochemical work by Gonzalo (1984) on the portal section of the 830 m drift indicates a cyclic nature to the sedimentation. It also indicates that the Main and West Zones are hosted in a stratigraphy that is enriched in carbonate, MgO, Al_2O_3 and K_2O. Gonzalo defined two argillaceous and two quartzitic cycles within the portal section and indicated that the sulphides are found at the top of the argillaceous cycle. XRF results from the underground samples recently submitted to MESA may shed more light on this aspect of the study. In any event, the authors believe that there is a structural overprint on the J & L sulphide system which has been controlled by the stratigraphy.

Computer work by Haworth supposedly indicated that the arsenic-gold and lead-zinc-silver are found in 2 unrelated populations. This and the relative enrichment of base metals with respect to the limestone host/footwall appears to indicate that there are 2 mineralizing events. The author believes that there is a possibility of a lead-zinc-silver system overprinting an arsenic-gold system, but this may just be due to post mineralizing remobilization and segregation.

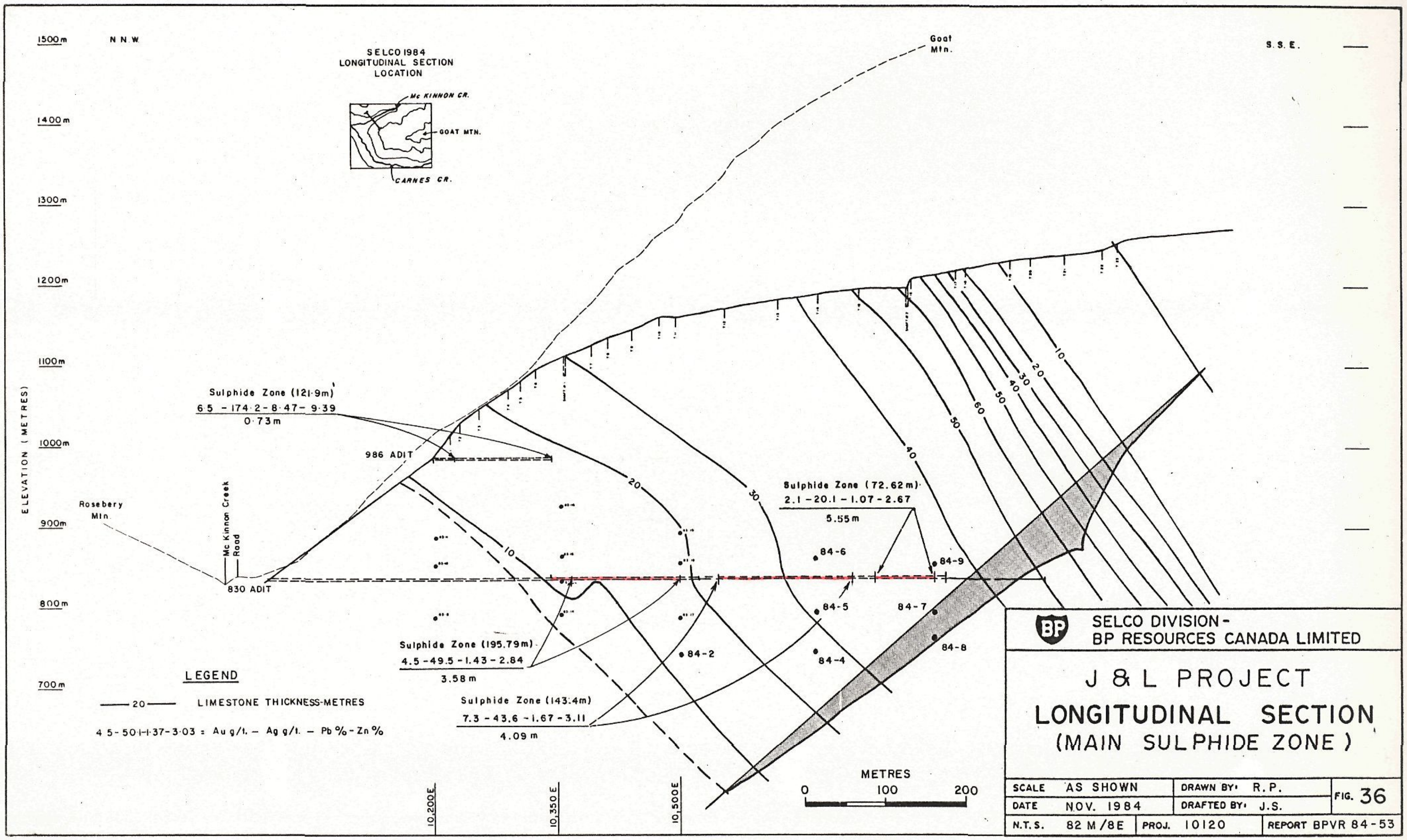
WORK IN PROGRESS

Forty-seven lithologic chip samples from 11 sections in the 830 metre drift and 361 samples from the 10350E and 10500E crosscuts have been submitted to MESA Labs in England for X.R.F. analysis and results are pending. This data could be important in delineating possible indicators of similar deposits in this and other areas and could possibly give us an indication of the origin of the deposit.

The latest metallurgical sample which was submitted to Lakefield Research in the fall of 1984 is still being tested in an attempt to improve the results. Another sample which is comprised of grab samples of the various sulphide types has also been sent to Sunbury in England for further evaluation.

Todd McKinlay, a MSc. geology student at the University of Western Ontario, has been retained to do a study of the J & L deposit. His thesis will include a description of the deposit and its host rocks, interpretation of the genetic significance of this description and recommendations for future exploration. The nature of the occurrence and the significance of the arsenic will be studied. Data collection has and will include surface and underground geological mapping, thin section, fluid inclusion and lead isotope studies, electron probe analyses of individual mineral species and chemical analyses of whole rocks. A comparison of the J & L to other polymetallic sulphide deposits will also be attempted. McKinlay's work, which began during the 1983 field season, will hopefully be finished this year, but progress reports have been few and far between.

Environmental monitoring of the waters draining the J & L deposit is continuing, sporadically, throughout the year. This study is still in progress in order to provide essential background information in the event that mine development at the J & L is considered.



1500 m
1400 m
1300 m
1200 m
1100 m
1000 m
900 m
800 m
700 m
ELEVATION (METRES)
N.N.W.
S.S.E.
SELCO 1984
LONGITUDINAL SECTION
LOCATION
Mc KINNON CR.
GOAT MTN.
CARNES CR.
Goat Mtn.
Sulphide Zone (121.9m)
6.5 - 174.2 - 8.47 - 9.39
0.73 m
986 ADIT
Rosebery Mtn.
Mc Kinnon Creek Road
830 ADIT
Sulphide Zone (72.62 m)
2.1 - 20.1 - 1.07 - 2.67
5.55 m
84-6
84-9
84-5
84-7
84-8
84-2
84-4
Sulphide Zone (195.79m)
4.5 - 49.5 - 1.43 - 2.84
3.58 m
Sulphide Zone (143.4m)
7.3 - 43.6 - 1.67 - 3.11
4.09 m
10
20
30
40
50
60
LEGEND
20 LIMESTONE THICKNESS-METRES
4.5-50.1-1.37-3.03 = Au g/t. - Ag g/t. - Pb % - Zn %
10,200E
10,350E
10,500E
METRES
0 100 200
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
J & L PROJECT
LONGITUDINAL SECTION
(MAIN SULPHIDE ZONE)
SCALE AS SHOWN
DRAWN BY: R.P.
DATE NOV. 1984
DRAFTED BY: J.S.
FIG. 36
N.T.S. 82 M/8E
PROJ. 10120
REPORT BPVR 84-53

CONCLUSIONS AND RECOMMENDATIONS

It appears that the J & L's geologic environment is favourable to host an economic, arsenical massive sulphide deposit.

The 1984 surface program on Roseberry Mountain has successfully extended the North Zone for 1150 metres. This mineralization appears to be the strike extension of the Main Zone found on Goat Mountain and is still "open" to the northwest. The arsenical mineralization has now been traced for 3.34 km on surface and only 810 metres of this has been investigated underground.

Tight geologically controlled drifting and the subsequent flat drill hole program has proved quite successful in following the Main Zone. The 1984 underground development and drilling has indicated a general increase in the grade and thickness of the Main Zone. Two new mineralized zones have been outlined at the 830 m level, with the second one still "open" along strike. Drilling has indicated that the mineralization is thinning up dip, but is quite significant down dip. Rough tonnage calculations were completed on the Selco data and the indicated ore reserves are 2.764 million tonnes.

The structural study has confirmed the complex structural history of the J & L deposit. Since the idea that the J & L is a sedex-type deposit has not been disproved, we should continue to keep this concept in mind and hope for a thickening of the sulphides along strike. It also appears that the detailed structural analysis should be continued, if additional development is approved.

A proposal to extend the 830 metre drift for 480 metres has been submitted and this could increase the indicated ore reserves to, approximately, 5.748 million tonnes. If this program is approved, then it should be noted that the Westairs' part of the drift will have to be slashed and re-tracked in order to facilitate the larger equipment required for the drift extension.

Additional surface mapping is recommended on Roseberry Mountain in order to determine the extent and potential of the North Zone. Assessment work is also needed on the Burke claims. This work will require helicopter support.

The most obvious recommendation is for further and intense metallurgical studies in order to test the viability of the extraction of economic minerals from this unusual deposit.

Respectfully submitted,

Rex Pegg

Rex Pegg, BASc, P.Eng

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX PEGG
R.P.

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1983: A Summary Report on the J & L Mineral Option

Pegg, Rex;
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1984: A Summary Report on the J & L Mineral Option

McClay, K.R.;
1984: The Structure of the J & L Polymetallic Sulphide Deposit, British Columbia.

PLATE I: View looking south from North Zone (NS-1). Note compressor trailer on road at centre. On right hand side, moving right there is the old camp, the Selco camp and the Rocbore camp.

~~**PLATE II:**~~ Geologist prospecting in North Zone area, Roseberry Mountain.

PLATE III: Miner setting charges in 830 m drift face. Note dark coloured massive sulphide band on left wall and mucking machine in foreground.

PLATE IV: Mucking machine in 10820E crosscut dumping waste material into ore car for removal from the underground workings.

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PLATE V: Selco geologists working around Connor's electrical drill in the 10820E crosscut.

PLATE VI: Main Zone mineralization in back of 830 m drift. Note banded ore on left, milled ore in centre and lenses and bands of quartz-sericite phyllite within.

PLATE VII: Coarse-grained, mineralized quartz lens in back of 830 drift. Note sphalerite and galena fracture filling and sericite phyllite lenses within the quartz. Massive sulphides and sericite phyllite on right.

PLATE VIII: Sulphide segregation in highly folded area of 830 m drift.
Note: pyrite and arsenopyrite overlying the light brown narrow sphalerite bands within a grey banded limestone. Quartz-sericite phyllite at the top.

PLATE IX: F4 folding of sphalerite-rich massive sulphides and silicified and mineralized carbonaceous limestone on 830 m drift back at 10825E. Looking south.

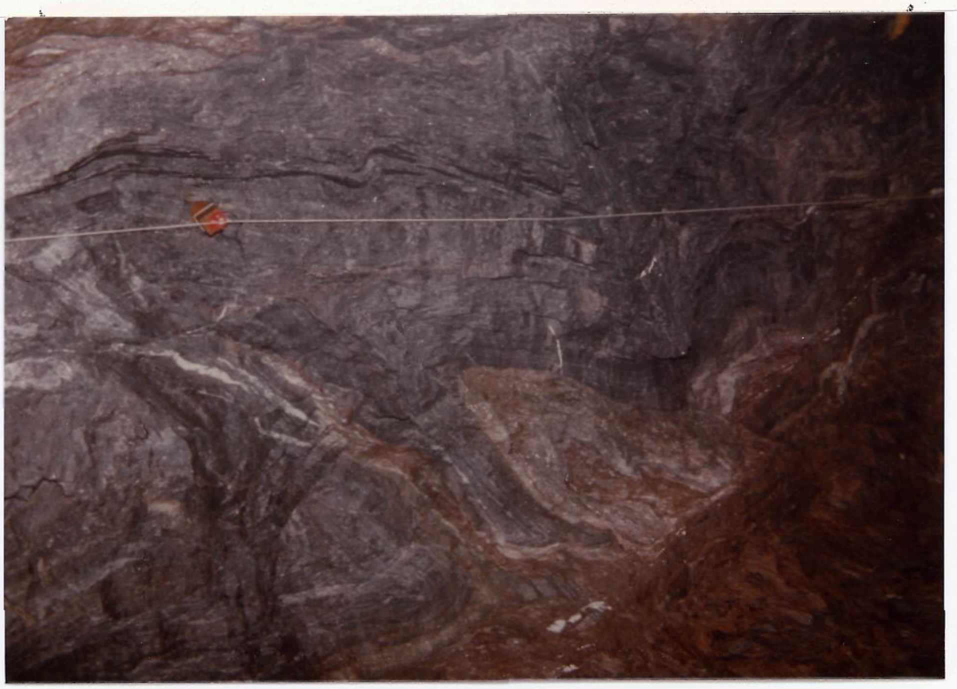

PLATE X: Tight isoclinal folding of brown to honey sphalerite bands and silicified limestone at last drift face in 830 m drift, looking east. This face is at 10830.69E and assayed over 20.5% zinc.

PLATE XI: Sampling pattern of mineralized section near start of 10500E crosscut, looking east. From right to left, intercalated sulphides and phyllite, milled sulphides, banded sulphides, sheared quartz and sphalerite, disseminated phyllite, milled sphalerite and finally quartz-sericite phyllite.

PLATE XII:

Hangingwall phyllites showing injection of massive, milled sulphides and bull quartz tension gashes on north wall of 830 m drift.

APPENDIX I - FIELD PERSONNEL

P. Bartier	Geological Technician	May 5-Oct.14, 1984
L. Garrow	Cook	Jun.18-Oct.20, 1984
T. Garrow	Underground Geologist	May 5-Oct.20, 1984
M. Hislop	Labourer	Sep. 9-Oct.24, 1984
N. Hughes	Geologist	Jun.19-Oct.13, 1984
K. Konkin	Geologist	Jul.19-Aug. 2, 1984
T. McKinlay	Geologist	Jun.19-Sep.14, 1984
J. Michell	Site Engineer	Jul.11-Oct.20, 1984
C. Oke	Geologist	Sep. 9-Oct.24, 1984
R. Pegg	Project Geologist	May 30-Oct.24, 1984
W. Piotrowski	Labourer	Jun.18-Oct.24, 1984
K. Syrja	Labourer	Jul.17-Sep.11, 1984
M. van Wermeskerken	Geology Student	Jun.19-Aug.24, 1984

APPENDIX II
MAIN ZONE - DRIFT FACE GEOLOGY AND GEOCHEMISTRY

J & L LEGEND

01	Graphite Schist
02	Carbonaceous Limestone and Chert
03	Limestone
04	Sericite (Muscovite), Sericite-Quartz Phyllite (maybe calcareous)
05	Chlorite, Chlorite-Sericite, Chlorite-Quartz Schist (maybe calcareous)
06	Quartzite, Quartz-Chlorite Schist (maybe calcareous)
07	Quartz-Sericite Schist (± minor chlorite)
08	Chert
09	Injected Quartz Breccia
10	Mylonite (sheared schist)
11	Calcite, Barite, Dolomite
12	Massive Sulphides
13	Quartz
14	Porphyry Dyke

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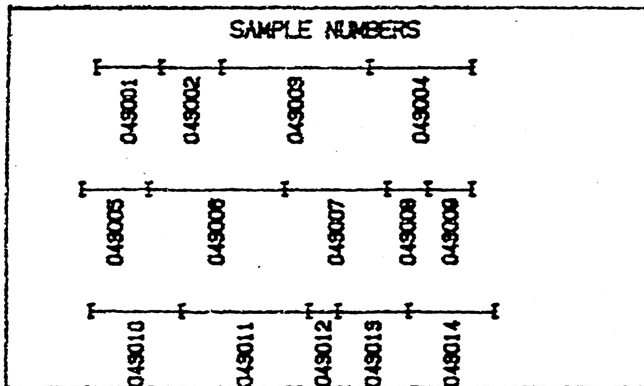
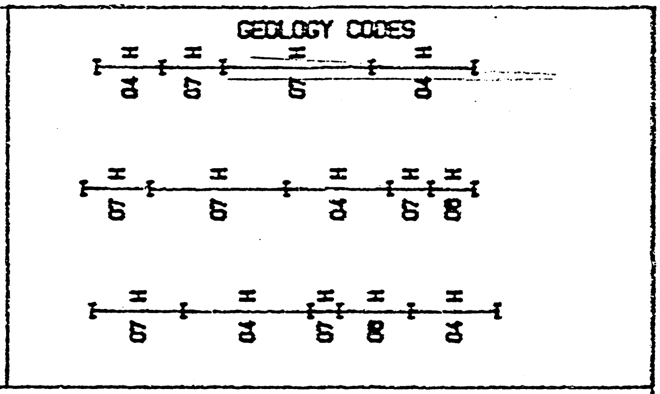
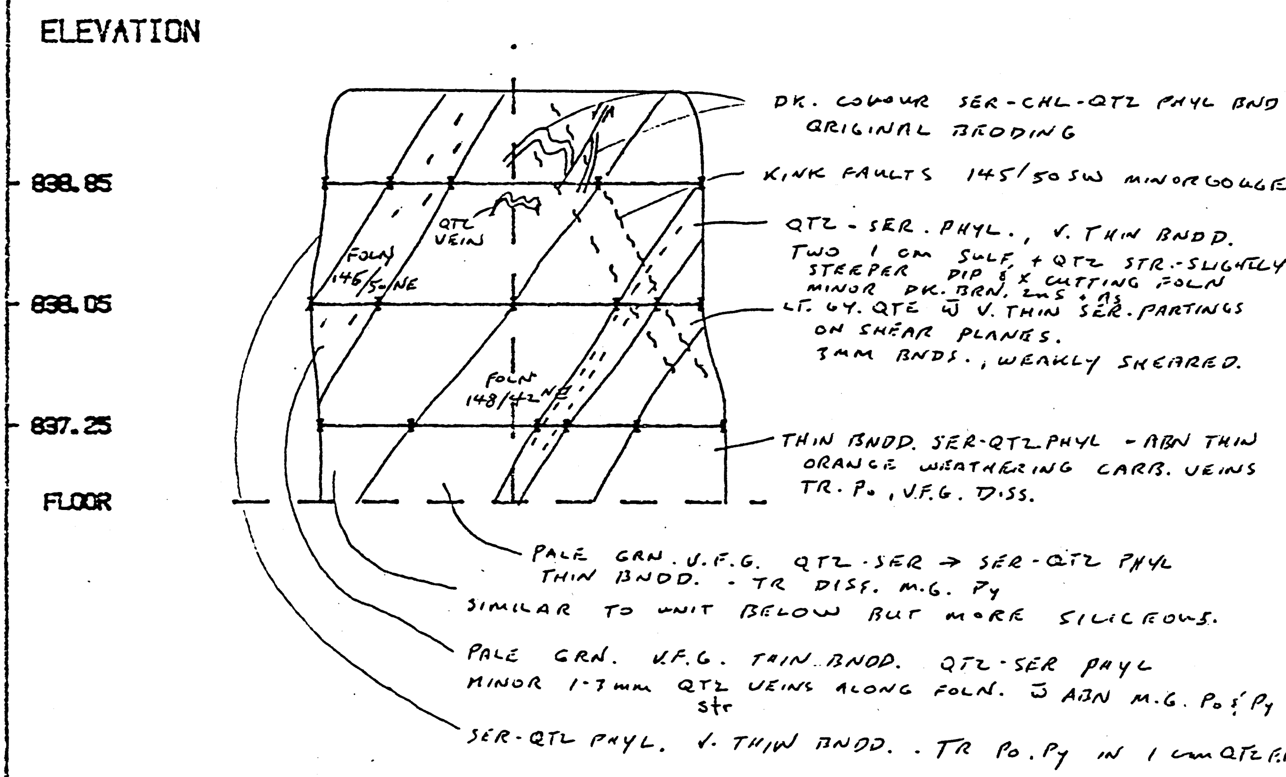
FACE# 101
****

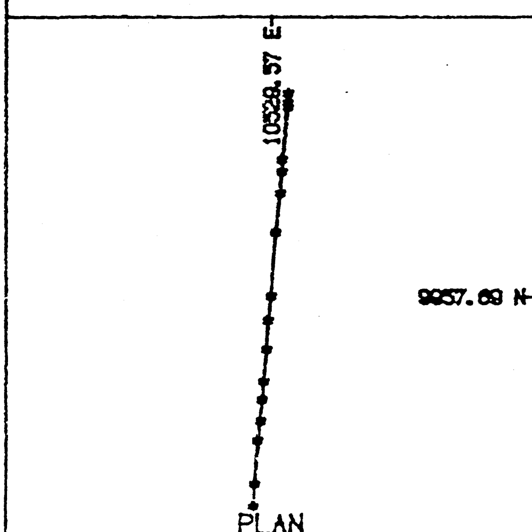
SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43005	.44	.03	.01	.031	5.5	.1
43006	.90	.01	.01	.001	2.3	.4
43007	.68	.01	.01	.001	.3	.1
43008	.27	.03	.34	.582	2.1	1.3
43009	.29	.01	.01	.006	.3	.3





GEOLOGY





BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 101

10529.57 EAST

SCALE 1:50

1 METER

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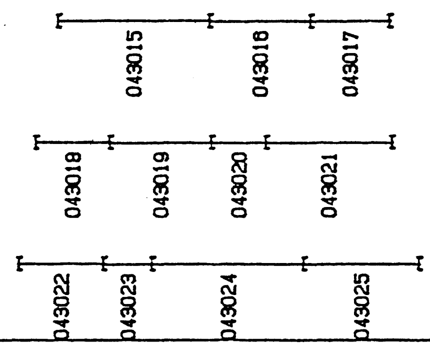
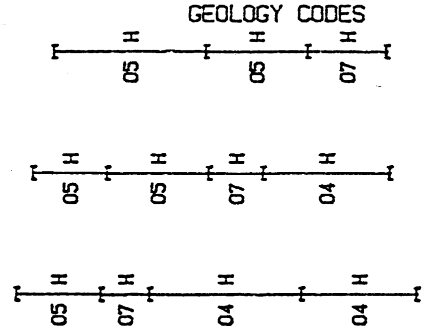
FACE# 102
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43018	.49	.01	.01	.003	3.2	.2
43019	.67	.01	.02	.002	2.8	.1
43020	.36	.03	.31	1.490	2.1	.9
43021	.83	.01	.01	.029	.3	.1

SAMPLE NUMBERS

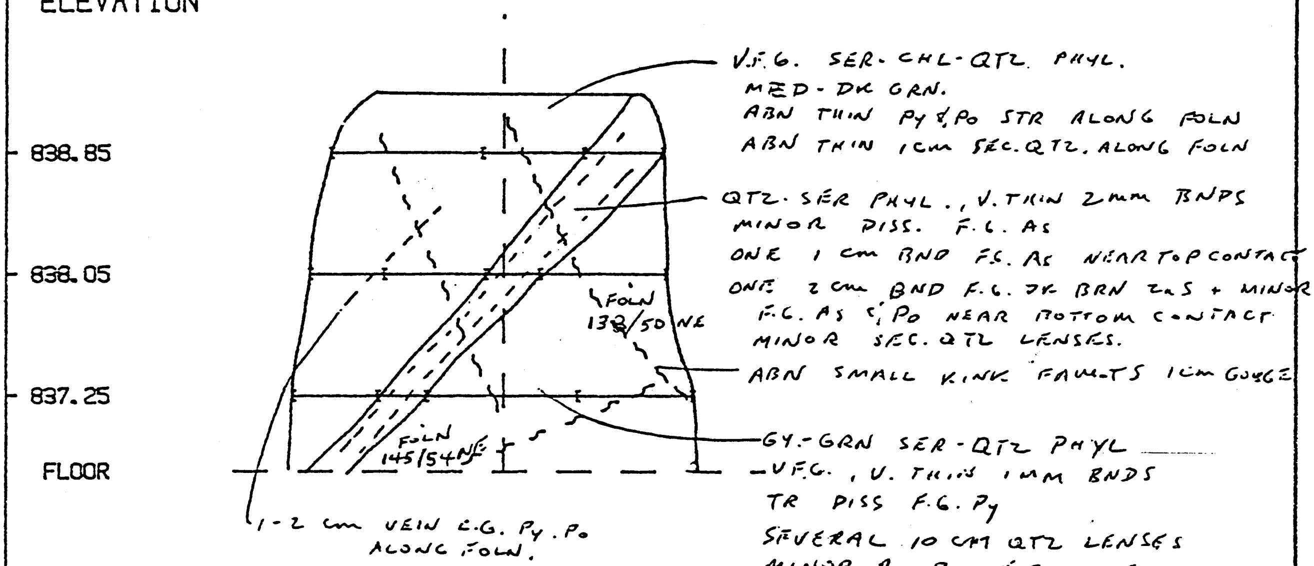


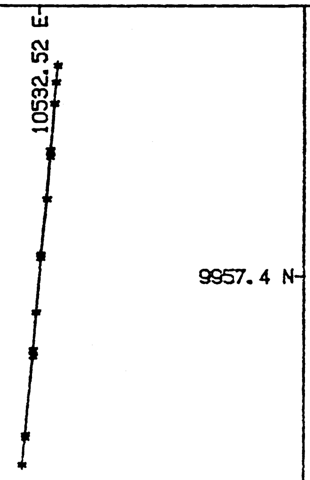
GEOLOGY CODES



GEOLOGY

ELEVATION





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 102

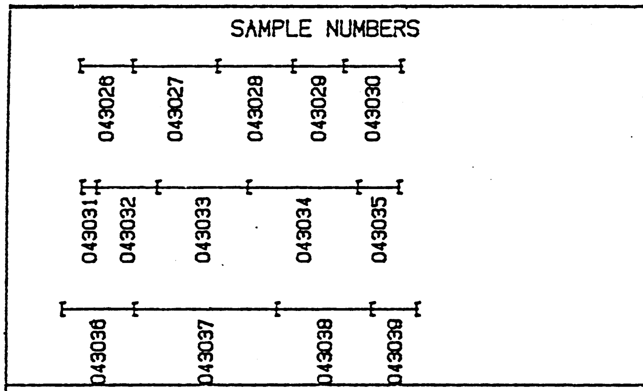
10532.52 EAST

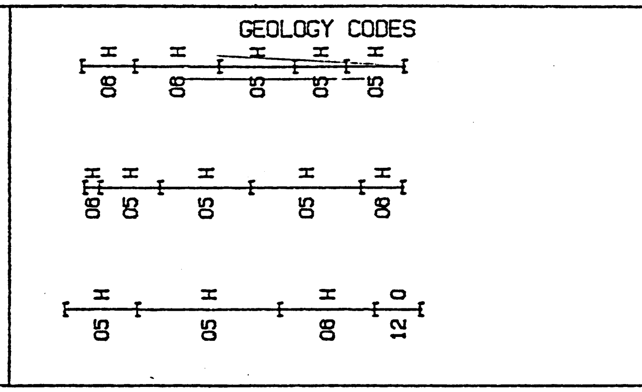
SCALE 1:50

1 METER

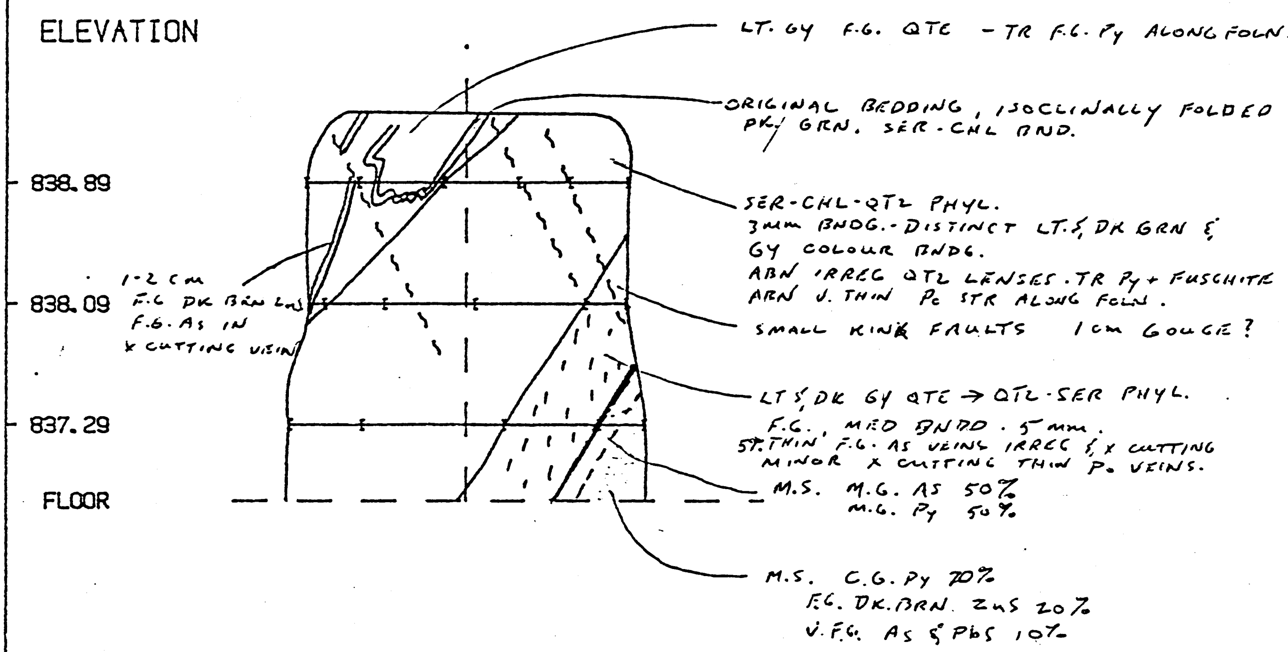
FACE# 103
****

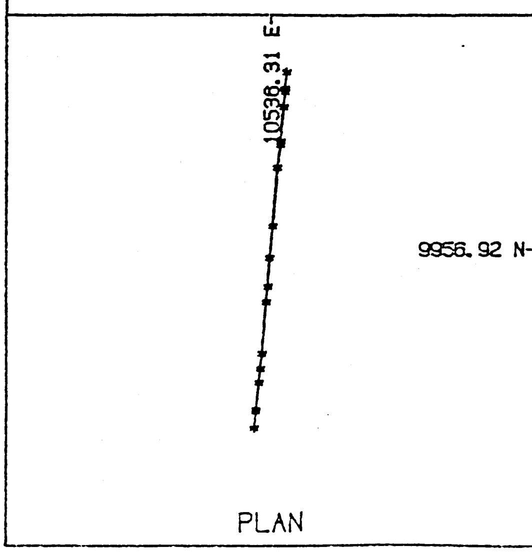
SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43031	.10	.01	.02	.083	.7	.1
43032	.40	.01	.01	.004	3.1	.3
43033	.60	.01	.01	.002	1.2	.1
43034	.73	.01	.01	.002	1.7	.1
43035	.27	.02	.01	1.790	15.0	.7





GEOLOGY





BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 103

10536.31 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

FACE# 104
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43040	.75	.01	.01	.020	.3	.3
43041	.80	.01	.01	.002	1.0	.2
43042	.44	.02	.01	.380	2.4	.3
43043	.13	6.97	19.20	4.510	211.5	3.8
43044	.31	.06	.13	.031	.3	.2
43045	.84	.02	.02	.005	.9	.3
43046	.48	.01	.01	.214	2.2	.5
43047	.18	.56	.45	4.760	25.3	2.1
43048	.46	9.18	16.80	4.380	259.2	9.5

SAMPLE NUMBERS

43040 043041 043042 043043

043044 043045 043046 043047 043048

043049 043050 043051 043052

GEOLOGY CODES

05 H 05 H 07 H 12 O

05 H 05 H 07 H 12 O 12 O

05 H 07 H 12 O 12 O

GEOLOGY

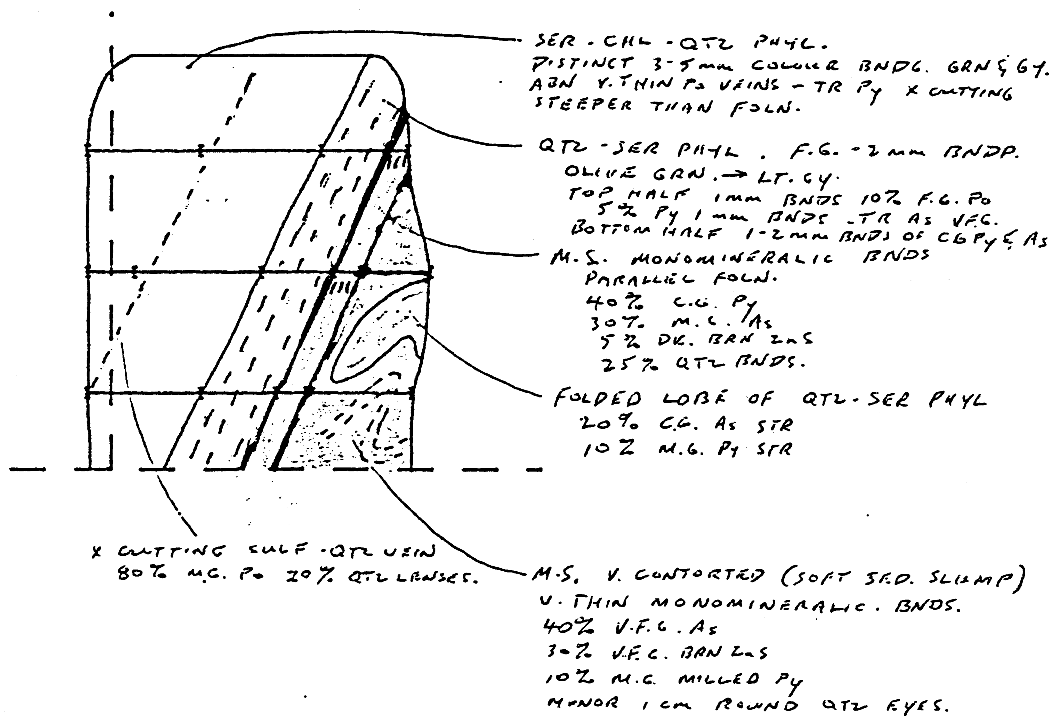
ELEVATION

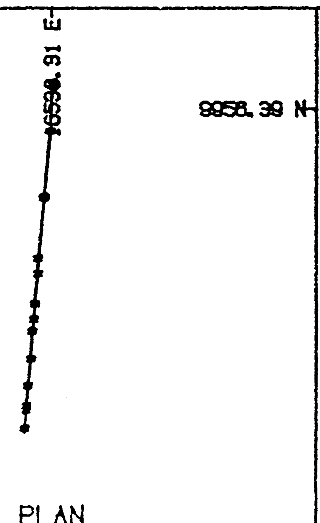
838.89

838.09

837.29

FLOOR





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 104

10539.31 EAST

SCALE 1:50

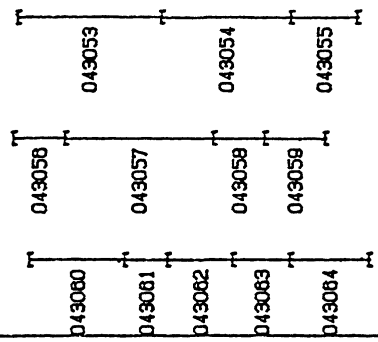
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

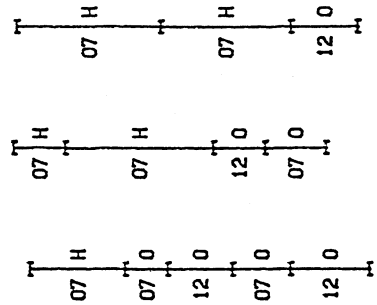
FACE# 105
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43053	.95	.10	.15	.043	7.5	.1
43054	.86	.06	.03	.360	.9	.3
43055	.44	8.52	22.20	3.240	230.8	10.5
43056	.34	.10	.21	.029	7.2	.3
43057	.98	.04	.08	.039	1.8	.2
43058	.34	11.20	15.80	3.430	278.0	9.3
43059	.40	.43	.19	1.620	10.6	1.0

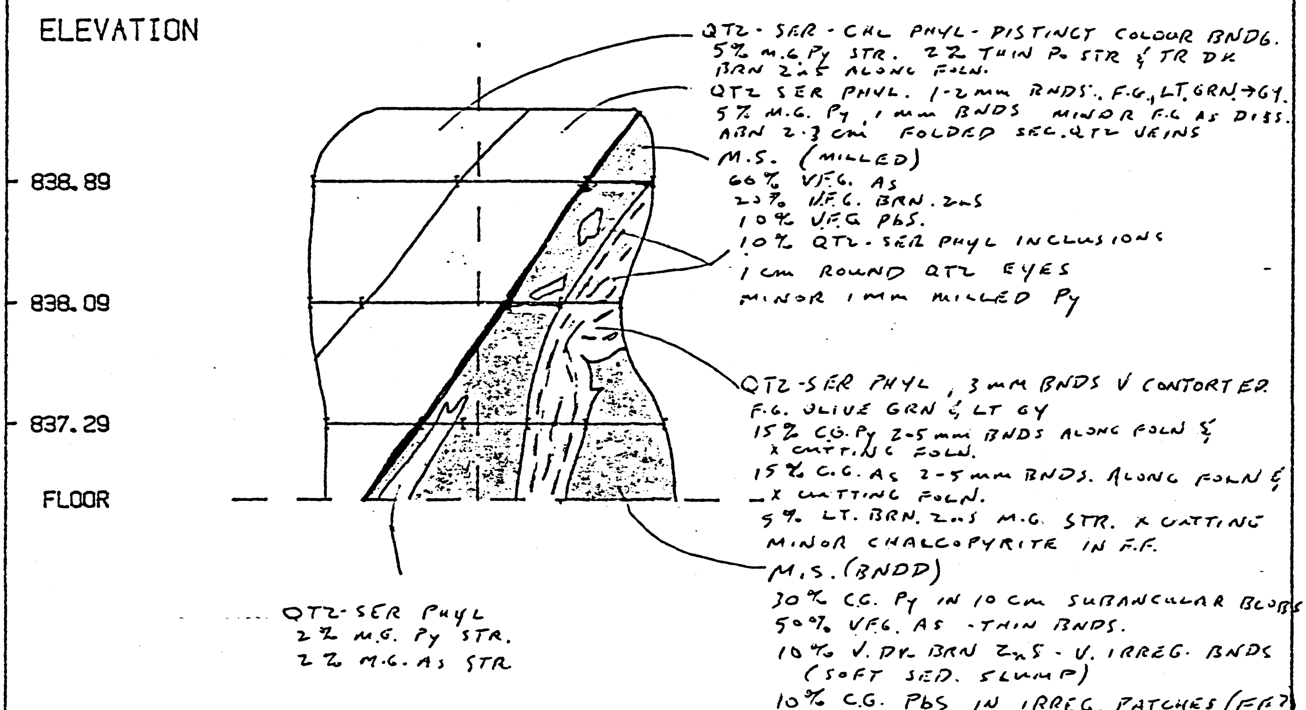
SAMPLE NUMBERS

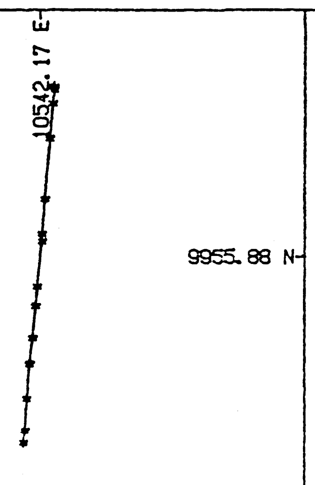


GEOLOGY CODES



GEOLOGY





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 105

10542.17 EAST

SCALE 1:50

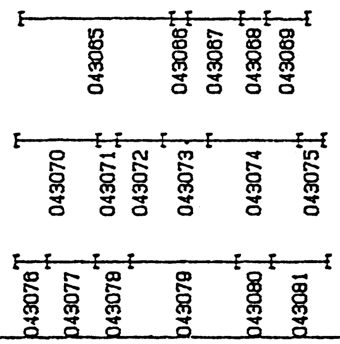
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

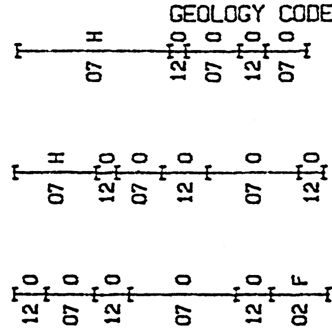
FACE# 106
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43065	1.00	.10	.25	1.090	4.8	.7
43066	.11	5.93	22.20	2.810	147.6	6.7
43067	.35	.16	.13	1.570	5.7	1.1
43068	.17	10.10	12.50	10.700	330.3	27.6
43069	.27	.24	.24	2.040	10.9	1.4
43070	.54	.06	.06	.214	3.0	.4
43071	.13	7.90	21.30	3.850	213.5	7.9
43072	.30	.10	.16	1.330	2.9	.5
43073	.30	9.95	20.60	3.930	459.7	16.1
43074	.60	.20	.23	1.010	12.3	.7
43075	.16	.36	.19	.940	20.2	3.8

SAMPLE NUMBERS

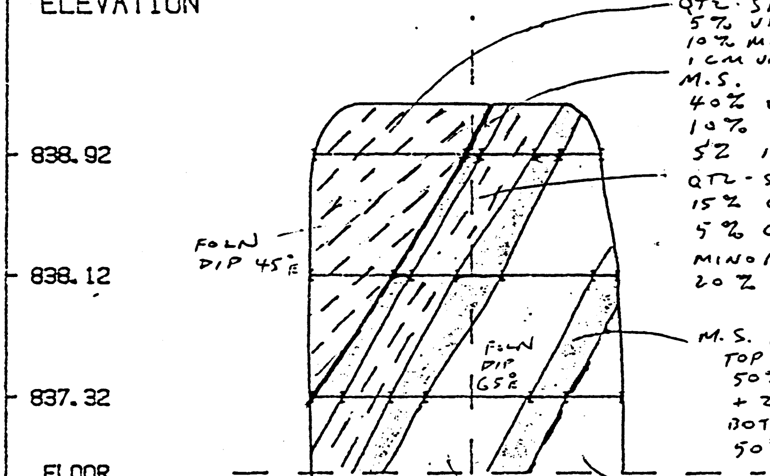


GEOLOGY CODES



GEOLOGY

ELEVATION



QTZ·SER PHYL.
5% VFG AS DISS. · 10% M.G. Po 1-10 mm BNDS
10% M.G. Py THIN STR ALONG FOLN.
1 CM VEIN V. DK. M.G. ZnS. MINOR PbS F.F. · TR MENEG.

M.S. MINOR QTZ·SER PHYL FRAGS <3 cm
40% VFG. As
10% V.F.G. PbS.
5% 1 mm MILLED Py

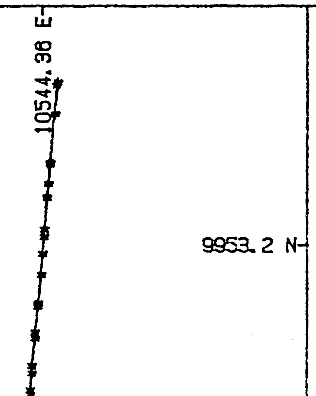
QTZ-SER PHYL . F.G. THIN BNDD.
15% C.G. As BNDS 2-4 mm ALONG FOLN.
5% C.G. Py BNDS
MINOR F.G. As DISS.
20% SEC QTZ LENSES ALONG FOLN.

M.S. (BNDD)
TOP HALF MIXED CM BNDS
50% CG As + 20% CG Py + 5% RED ZnS
+ 25% QTZ-SER PHYL.
BOTTOM HALF. ZONED F/W → UP As-Py-ZnS
50% M.G. Py, 35% VFG As, 15% RED ZnS

BK. ARGL LST F.G. 20% WHITE CALC BNDS
TOP 10 cm WHITE RECRYSTALLIZED LST $\bar{c}$
MINOR BK ARGL BNDS 3 mm
MINOR LT. BRN ZnS, TR F.G. Py

F.G. QTZ-SER PHYL 4-5 mm MONOMINERALIC SULF BNDS.
TOP 7% RED F.G. ZnS, MINOR M.G. Py
MIDDLE 5% CG. Py + 5% C.G. As
BOTTOM 5% CG. Py

M.S. (BNDD) ZONED.
TOP 75% V. DK. BRN. M.G. ZnS · MINOR F.G. As
MIDDLE 60% C.G. Py. 30% F.G. As BNDS
BOTTOM 60% F.G. As 10% F.G. LT BRN ZnS
10% F.G. Py - 2% M.G. PbS X CUTTING LENSES



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 106

10544.36 EAST

SCALE 1:50

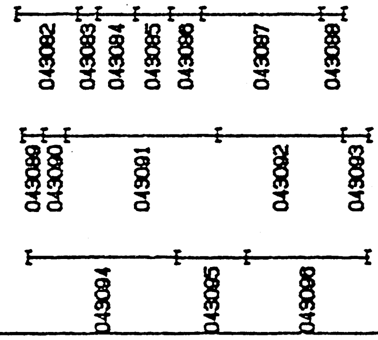
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

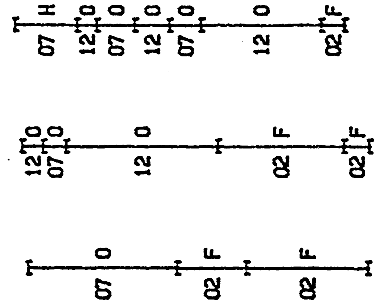
FACE# 107
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43082	.41	.03	.23	.610	5.1	1.1
43083	.13	5.51	23.50	2.810	140.6	6.9
43084	.25	.43	1.88	11.900	12.7	2.4
43085	.23	4.48	16.30	3.030	98.0	8.1
43086	.21	.23	.26	.171	9.9	.3
43087	.79	2.14	13.30	5.330	72.7	8.3
43088	.15	.71	5.74	.345	16.8	1.0
43089	.14	4.84	12.80	3.920	116.9	11.5
43090	.15	1.37	9.39	3.620	34.3	6.8
43091	1.00	3.68	21.30	3.950	63.1	7.0
43092	.83	.81	2.77	1.120	36.0	2.3
43093	.17	2.62	2.53	6.620	41.5	10.8

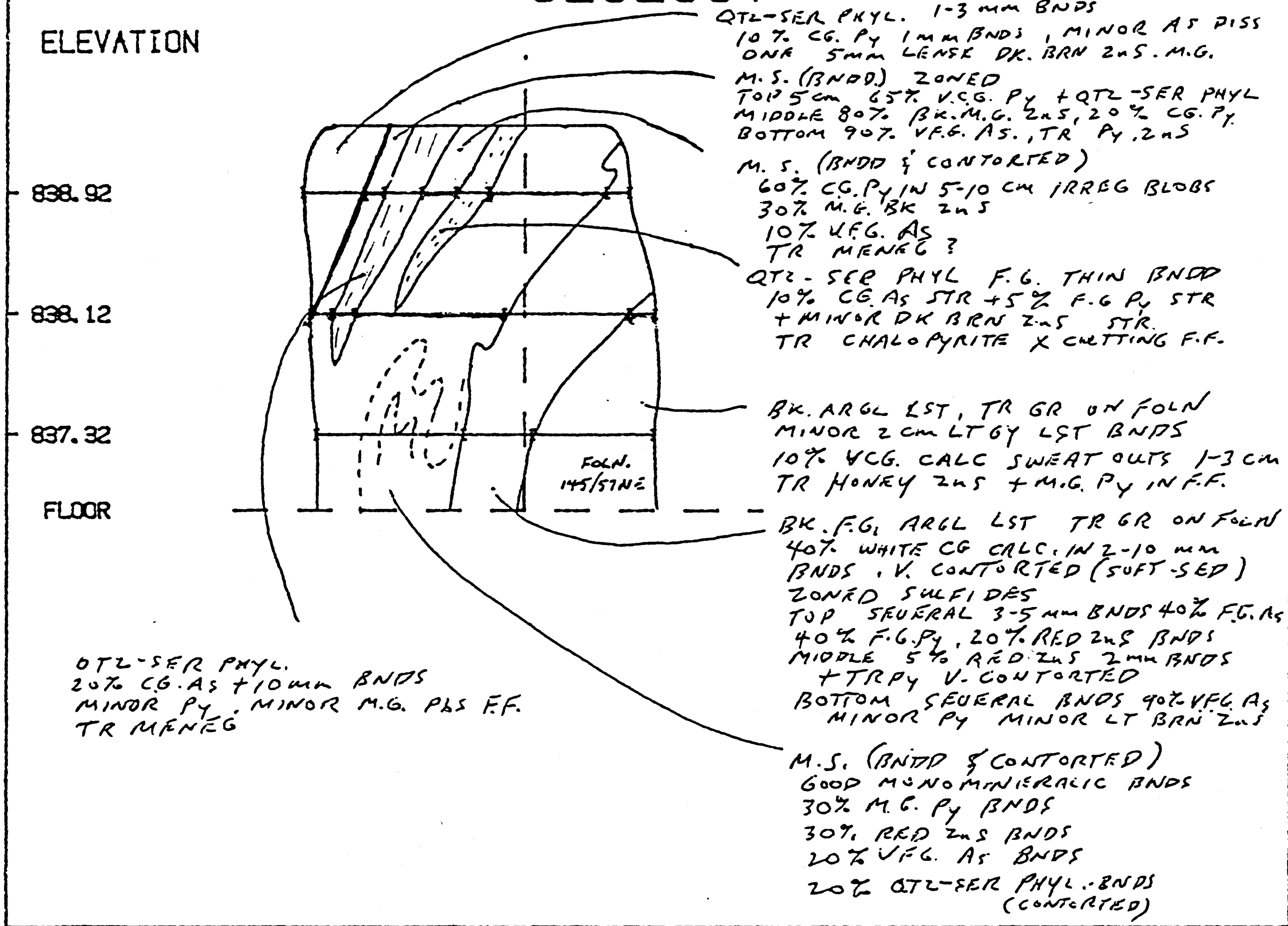
SAMPLE NUMBERS

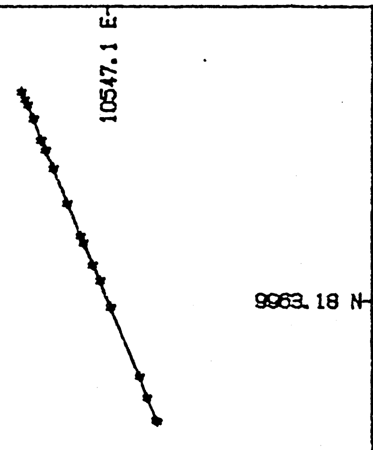


GEOLOGY CODES



GEOLOGY





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 107

10547.1 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

FACE# 108
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43097	.20	.30	.85	6.590	3.1	2.3
43098	.57	4.20	17.90	3.620	180.3	9.7
43099	.70	1.51	3.47	1.630	24.3	3.1
43100	.60	.16	1.44	.376	1.7	1.0
43101	.37	12.80	17.40	.987	287.6	10.6
43102	.61	1.45	3.97	1.900	35.0	4.0
43103	.92	.11	.21	.411	.3	1.2
43104	.40	.03	.04	.015	.1	.1

SAMPLE NUMBERS

043097, 043098, 043099, 043100

043101, 043102, 043103, 043104

043105, 043106, 043107

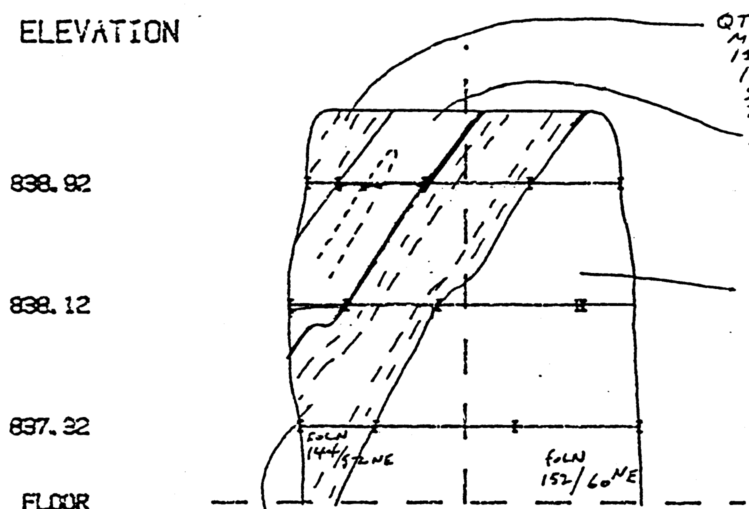
GEOLOGY CODES

07 O, 12 O, 02 O, 02 F

12 O, 02 O, 02 F, 02 F

02 O, 02 F, 02 F

GEOLOGY

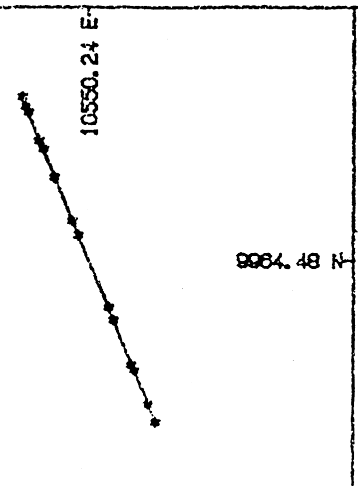


QTZ-SER PHYL THIN BNDD
MONOMINERALIC SULF BNDS
15% C.G. AS BNDS
10% M.G. PY + AS BNDS
5% 1mm RED ZNS BNDS
2% BK ZNS + M.G. PBS F.F. ALONG FOLN

M.S. BNDD. & FOLDED + 20% QTZ-SER PHYL
CENTRE OF UNIT IS A FOLD NOSE OF
90% UFG MASS AS + 10% PY MILLED
TOP & BOTTOM OF UNIT IS 40% C.G. PY
IN 2-4 cm BNDS, 10% C.G. AS IN 1 cm
BNDS + C.G. BK ZNS & M.G PBS IN F.F.

THIN BNDD BK ARGL LST
10% C.G. CALCITE SWEATOUTS &
X CUTTING 1CM VEINS.
5% RED M.G. ZNS & CG. AS ALONG
BOTTOM OF SWEAT OUTS
ONE 2CM VEIN @ TOP CONTACT
90% C.G. PY + 10% LT & DK BRN ZNS
IN THE CORE

THIN BNDD ARGL LST., TR. GR.
2-4MM BNDS
TOP CONTACT .5 cm WHITE
RECRYSTALLIZED LST - 20% F.G. RED ZNS
MINOR AS
BELOW THIS MONOMINERALIC BNDD.
SULFIDES F.G. AS 20%, F.G. PY 20%
10% F.G. BRN ZNS.
CENTER 20 Cm OF THIN BNDD
ARGL LST - BARREN
BOTTOM (MILLED) VAGUE THIN
BNDS 20% V.F.G. AS RIMMED BY
BRN ZNS



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 108

10550.24 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

FACE# 109
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43108	.46	.25	.04	2.870	4.5	1.6
43109	.34	1.17	8.52	.128	38.4	.7
43110	.60	.19	.41	.175	10.6	.3
43111	.39	2.42	9.20	3.250	55.2	6.5
43112	.45	.10	1.11	1.000	3.1	2.4
43113	.30	.72	2.96	.319	18.5	.6
43114	.52	.79	3.05	1.350	18.5	4.7
43115	.25	.06	.06	.618	1.4	1.2
43116	.81	.72	1.63	1.420	18.5	2.1
43117	.61	.02	.03	.015	.1	.1

SAMPLE NUMBERS

043108 043109 043110 043111 043112

043113 043114 043115 043116 043117

043118 043119 043120 043121

GEOLOGY CODES

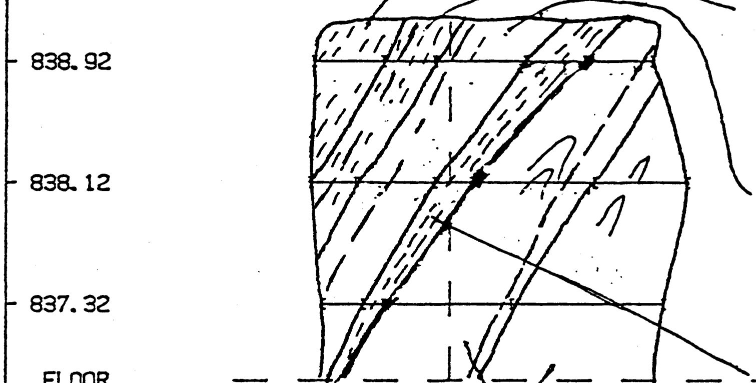
07 O 03 O 02 O 12 O 02 F

03 O 02 O 12 O 02 F 02 F

02 O 12 O 02 F 02 F

GEOLOGY

ELEVATION



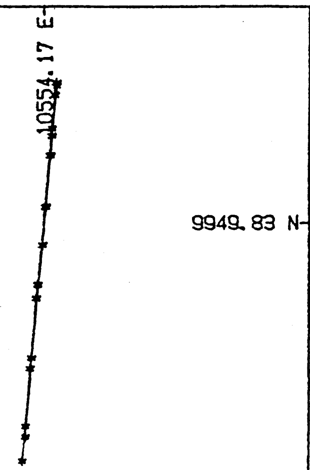
Qtz-ser phyll with 15% F.g-m.g Py and 5% M.g. As in abn 1-2 cm bnds. Minor py + As dissem. throughout.

30% 1-3 cm bnds of f.g-m.g yellow-redbrown ZnS in white F.g.-M.g. Lst. with minor gr along Foln. Minor C.g. white Qtz-Calc lns. 1-2 cm wide. Minor Silicification present.

Alternating bands (1-2 cm) of grey Lst. and bk argill. Lst with abn. bnds of white Lst., Minor gr . present. Minor 1cm bnds of 80% py + 20% red ZnS 1-2 cm bnd of 40% As.

Banded argill Lst. with minor gr . 30% 1-2cm bnds of m.g. As stringers. Minor F.g. Pb + minor meneng. present. Left 10cm is 60% M.S. 50% f.g. red-brown ZnS, 10% m.g F.g. Py, 40% argill Lst.

Bnd d bk-grey F.g. argill Lst. with gr along Foln. Abn white F.g.-m.g. Calc. swtout lnses. 1-2 cm wide. 1-2cm bnd of 60% yellow to red mg-fg ZnS, 20% mg-fg py, 20% white, m.g. Calc. Tight isoclinal folding present.
Tr. dissem. mg-f.g. PY
Tr. dissem. mg-fg red ZnS
Tr. dissem. mg-fg As.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 109

10554.17 EAST

SCALE 1:50

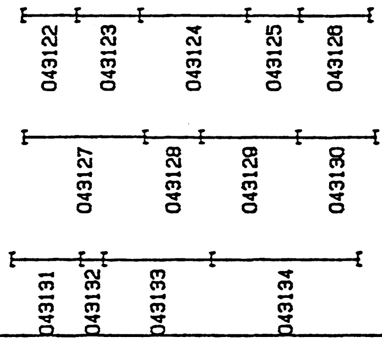
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

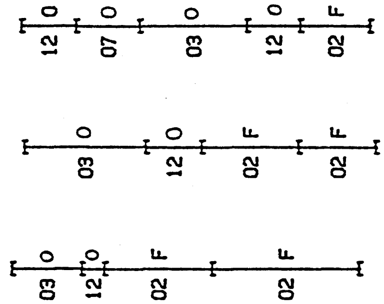
FACE# 110
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43122	.36	5.40	5.20	10.100	198.5	12.4
43123	.42	1.28	2.35	6.810	52.2	9.5
43124	.71	.65	3.01	1.350	8.8	2.1
43125	.35	1.14	3.05	5.210	36.4	6.8
43126	.46	.16	.20	.210	7.0	.5
43127	.80	.18	.34	.541	9.3	.4
43128	.37	.53	2.18	4.570	20.2	7.1
43129	.64	.30	.31	1.260	8.6	2.5
43130	.51	.02	.07	.024	2.7	.1

SAMPLE NUMBERS

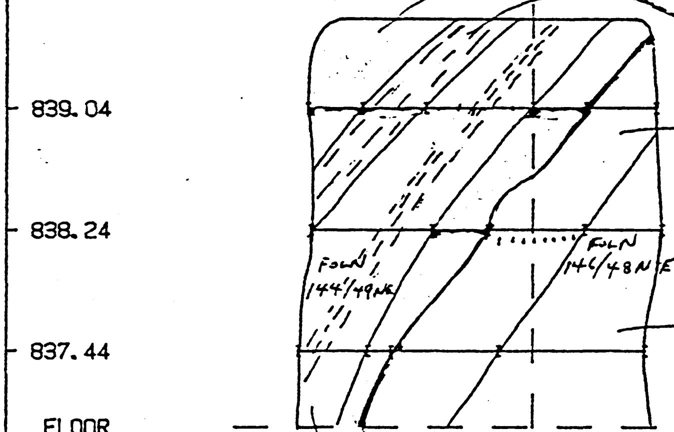


GEOLOGY CODES



GEOLOGY

ELEVATION



M.S. BNDD + 10% QTZ-SER PHYL.
MONOMINERALIC BNDD. SULFS.
30% CG. Py, 30% M.G As
10% IRREG CONTORTED BK. ZnS BNDS
5% M.G. PbS IRREG. BLEBS

QTZ-SER PHYL 2 CM BNDD.
30% C.G. AS 1-3 CM BNDS.
10% C.G. Py V LENSY BNDS

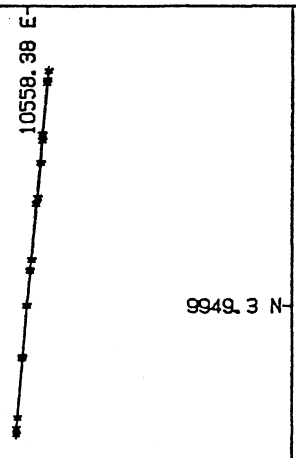
ALTERNATING 1-3 cm LTGY. F.C. LST
& 1-3 cm BK. ARGL. LST (GR)
TIGHT ISOCLINAL FOLDING
SEVERAL 1 CM X CUTTING BNDS OF
C.G. RED ZnS + C.G. As & Py
MINOR CALC SWEATOUTS + TR ZnS

BK. ARGL, LST MINOR GR ON FOLN
10-20% V.C.G. WHITE CALC
SWEAT-OUTS

- TR V.F.G. Py & ZnS IN SWEAT-OUTS

M.S. 60% (BNDD) + 40% BK ARGL. LST.
ALTERNATING CONFORMABLE MONOMINERALIC BNDS
35% F.G. AS BNDS, 20% HONEY ZnS, 5% F.G. Py
LOCALLY ABN THIN SWEATOUTS

GY & BK ARGL. LST. TR. GR., THIN BNDD <5MM
TOP 10 cm THIN BNDD GY & WHITE LST WITH
REGULARLY SPACED PERPENDICULAR CALC
FILLED TENSION FRACS
MIDDLE 10 CM THREE 2 CM SULF BNDS
30% F.G. Py, 30% F.G As, 30% F.G. LT BRN ZnS
ABN THIN CONFORMABLE SWEAT OUT BNDS



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 110

10558.38 EAST

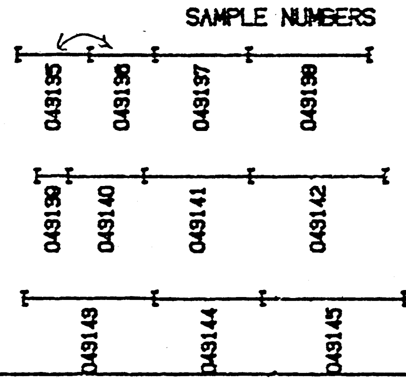
SCALE 1:50

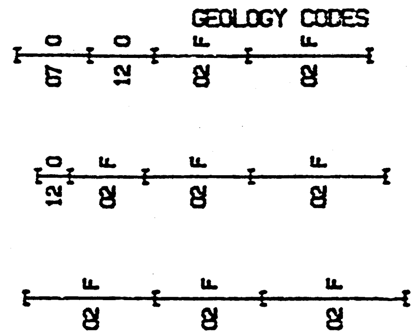
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

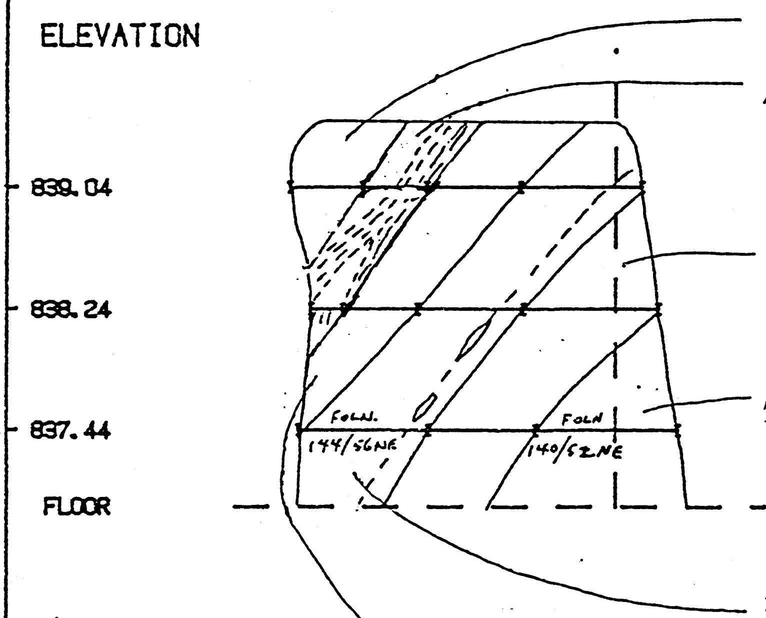
FACE# 111
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43135	.48	.10	.01	3.600	2.5	.9
43136	.43	2.00	.72	12.940	111.4	8.6
43137	.62	.41	.74	.427	6.8	.7
43138	.80	.06	.15	.648	.3	.5
43139	.21	.81	.74	3.470	39.0	3.8
43140	.50	.19	1.11	.111	20.2	.4
43141	.70	.09	.72	1.300	5.6	2.7
43142	.89	.06	.02	.017	3.8	.3





GEOLOGY



QTZ-SER PHYL + CALC F.F.
15% M.G. As BNDS
5% M.G. Py BNDS

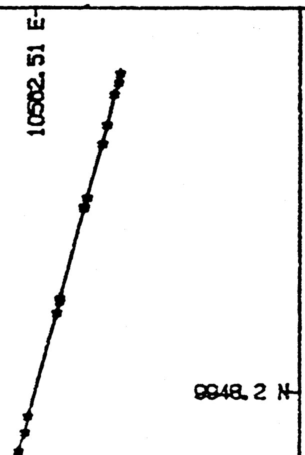
M.S 60% (BNDD) - 40% QTZ-SER PHYL
MONOMINERALIC SULF BNDS
60% C.G. As
30% C.G. Py
MINOR F.G RED ZnS
5% QTZ LENSES
QTZ-SER BNDS 15% C.G. As + 15% C.G. Py

BK ARGL LST, 5cm WIDE BNDS, TRGR.
15% C.G. CALC X CUTTING SWEAT OUTS
2% F.G. RED ZnS + Py STRGRS ALONG FOLN
MINOR PERPENDICULAR CALC TENSION F.F.

BK ARGL LST (GR ALONG FOLN)
25% C.G. CALC SWEATOUTS 1cm WIDE ALONG FOLN.
2cm WIDE PERPENDICULAR TENSION F.F. WITH <1% C.G. Py DISS
LOCALLY 1% F.G. PbS F.F. SURROUNDING 1 cm CALC. XTALS.

THIN BNDD ARGL. LST. (GR. ON FOLN)
BK & GY BNDS + 35% M.G. CALC. SWEAT-OUTS ALONG FOLN
MINOR PERPENDICULAR CALC. TENSION F.F.
ONE THIN BND + SEVERAL LENSES of 30% F.G RED ZnS + C.G. As + CALC.
2% THIN SULF STR ALONG FOLN
(70% M.G. As, 20% F.G RED ZnS, 10% M.G. Py TR PbS)

V. THIN BNDD ARGL LST. < 1/2 mm
20% CALC SWEAT OUTS ALONG FOLN.
MINOR PERPENDICULAR CALC. TENSION F.F.
MINOR F.G. RED ZnS ALONG FOLN.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 111

10562.51 EAST

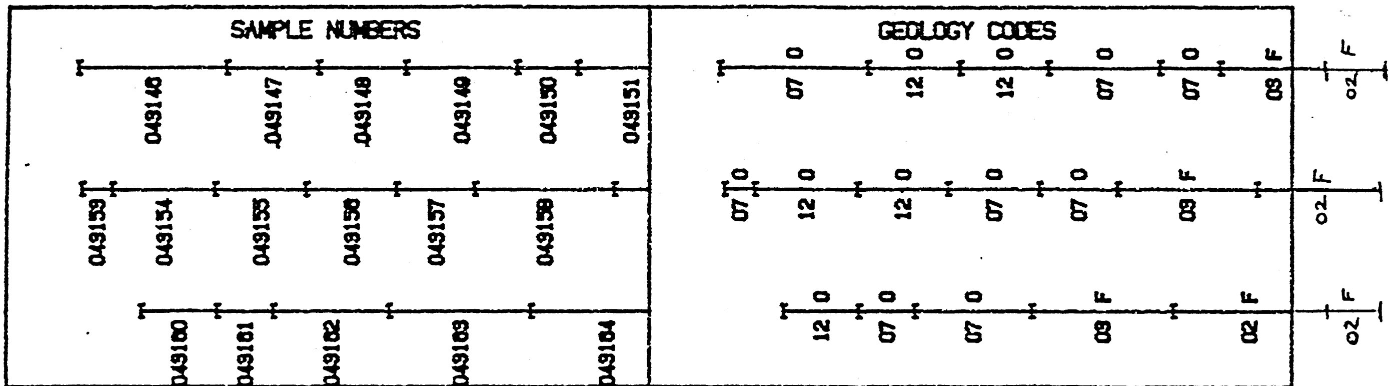
SCALE 1:50

1 METER

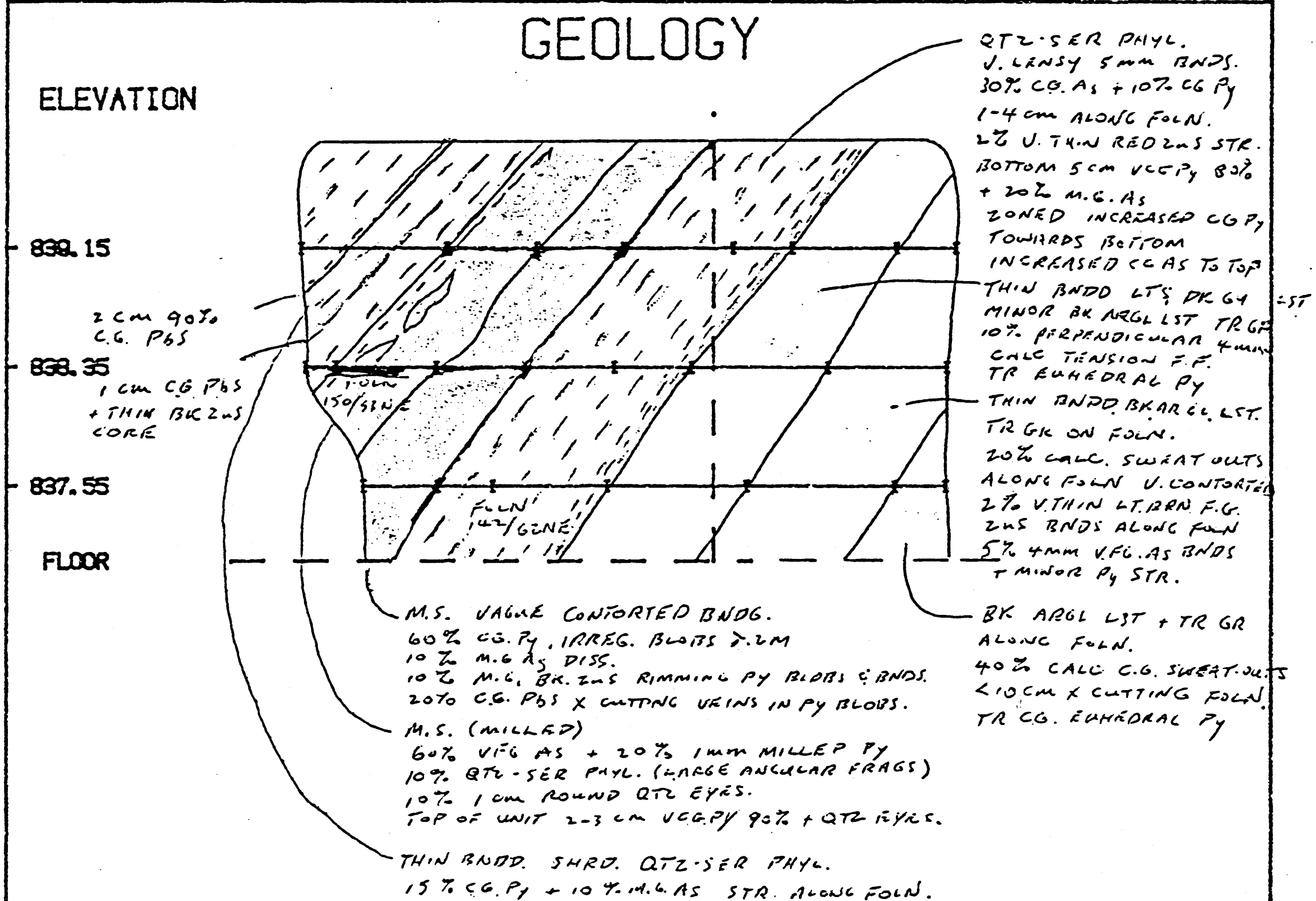
SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

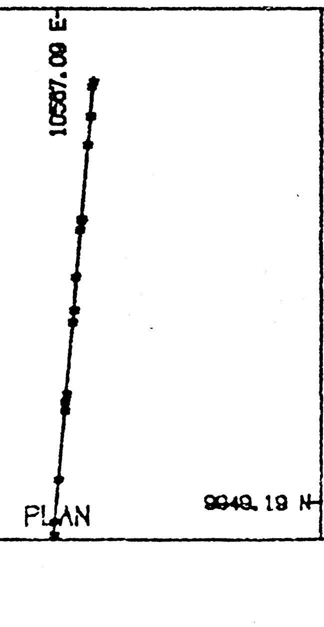
FACE# 112
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43146	.98	.39	.34	1.230	17.9	1.3
43147	.61	12.00	12.80	2.540	457.0	13.3
43148	.58	9.98	12.80	7.360	170.8	15.0
43149	.74	.31	.23	2.850	9.6	.7
43150	.40	.08	.05	.852	5.1	.4
43151	.70	.06	.15	.030	.3	.1
43152	.40	.22	.40	.392	7.3	.9
43153	.20	1.28	.04	5.780	16.1	5.8
43154	.68	12.80	17.60	2.300	515.6	13.0
43155	.60	10.30	9.39	6.630	321.7	16.3
43156	.60	.16	.07	1.330	7.0	.5
43157	.52	.28	.20	2.010	13.3	1.1
43158	.92	.14	.20	.176	8.4	.5
43159	.80	.32	.66	.828	16.2	1.6



GEOLOGY





BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 112

10567.09 EAST

SCALE 1:50

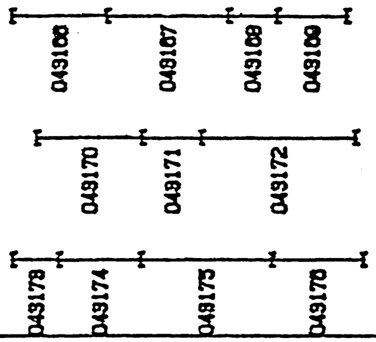
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

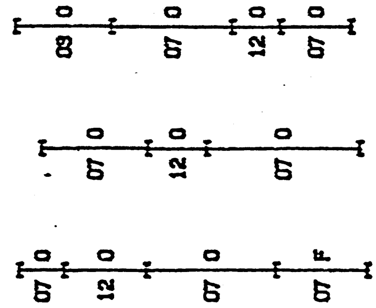
FACE# 113
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43166	.63	.06	.04	9.150	16.4	2.6
43167	.80	.13	.34	8.410	18.5	1.1
43168	.32	6.35	19.20	5.270	481.6	20.9
43169	.46	.33	.27	3.490	10.3	.8
43170	.70	.10	.10	4.330	6.8	1.6
43171	.39	9.58	16.30	5.270	225.9	10.7
43172	1.01	.33	.24	4.090	10.3	.8

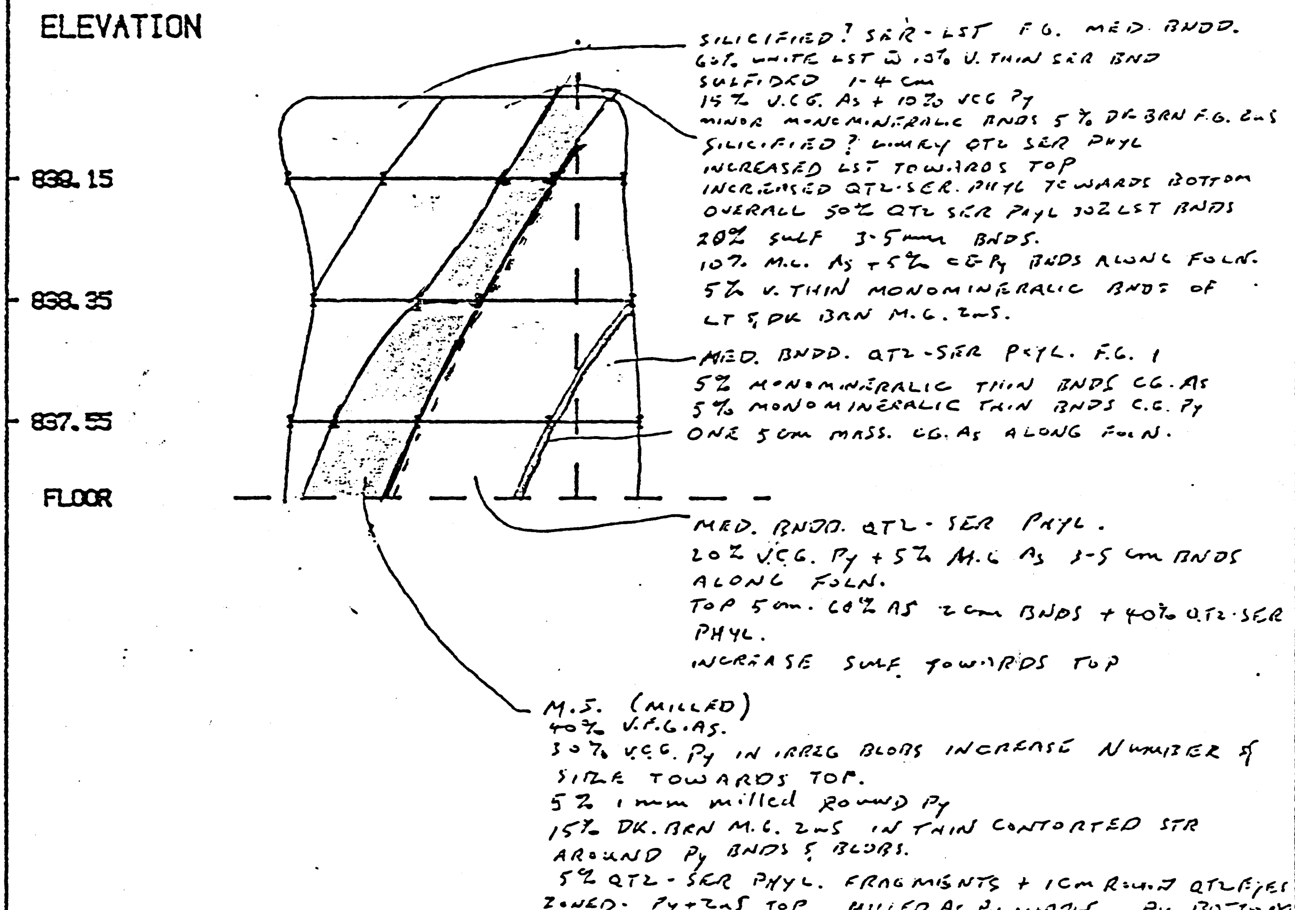
SAMPLE NUMBERS

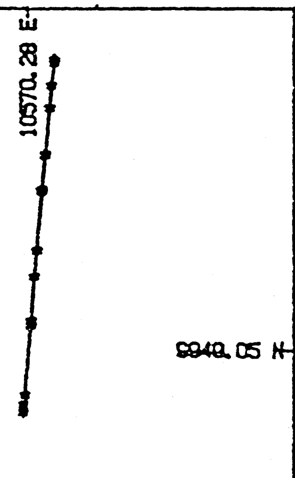


GEOLOGY CODES



GEOLOGY





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 113

10570.28 EAST

SCALE 1:50

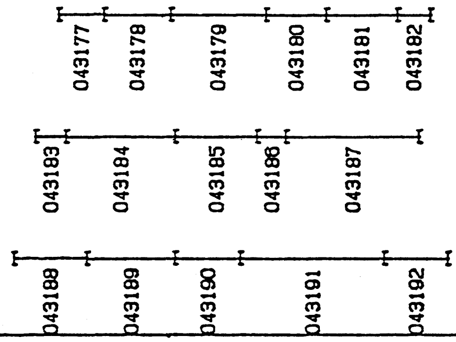
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

FACE# 114
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43177	.30	.05	.03	2.470	42.8	.9
43178	.44	.43	.04	14.400	110.0	1.7
43179	.63	.04	.02	2.940	10.6	.3
43180	.40	.14	.03	6.450	7.2	1.0
43181	.47	7.41	18.60	8.240	206.0	12.8
43182	.22	.11	.17	2.820	5.5	.1
43183	.20	.10	.03	18.900	22.3	1.9
43184	.72	.06	.03	.877	6.8	.2
43185	.54	.48	1.04	9.660	8.9	1.3
43186	.19	6.85	14.40	10.500	144.3	9.2
43187	.88	.23	.25	5.410	7.2	.3

SAMPLE NUMBERS



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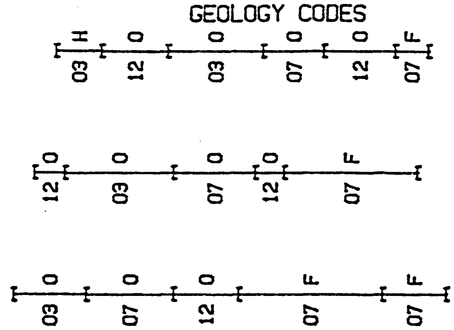
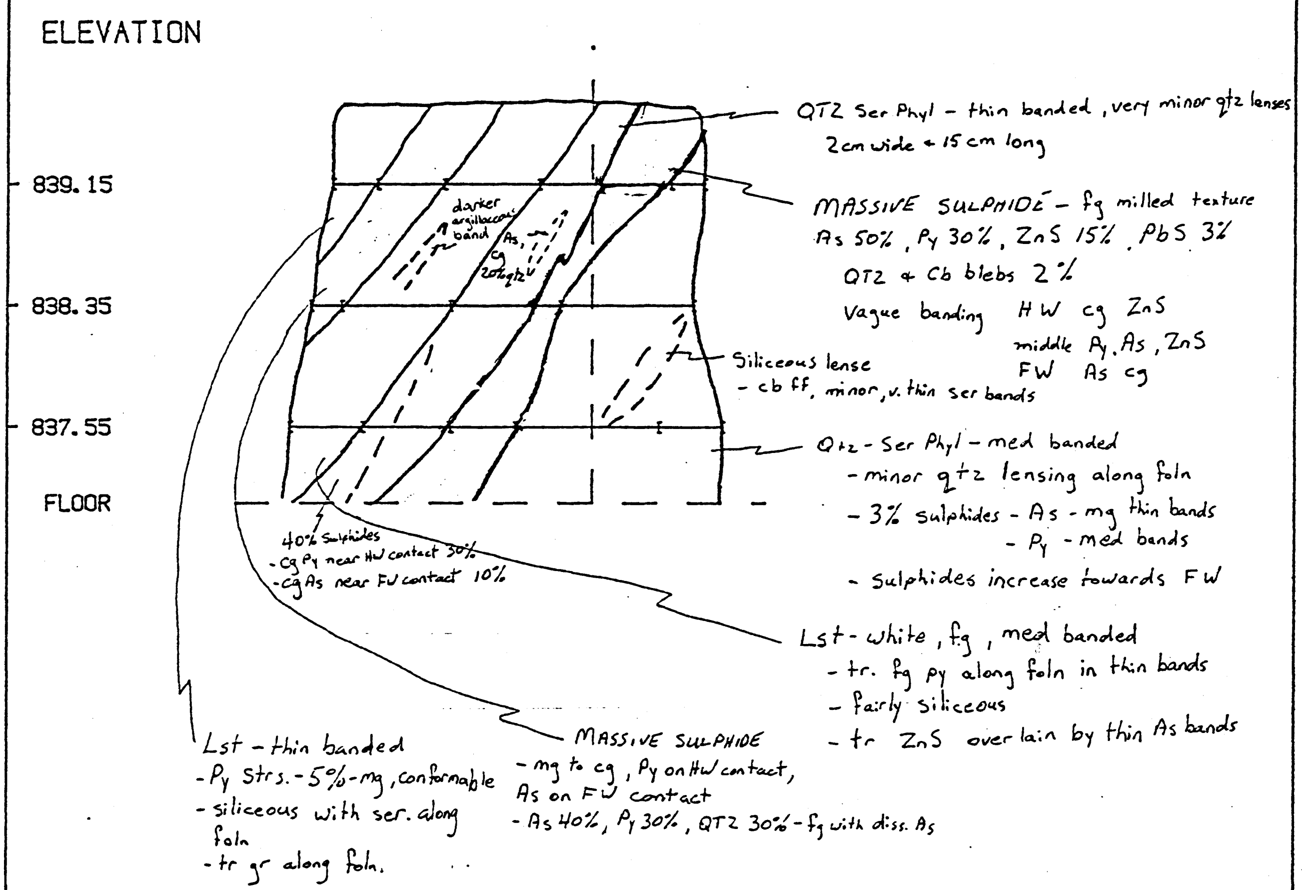
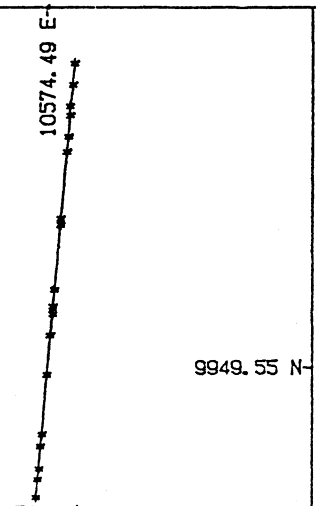


GEOLOGY





BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 114

10574.49 EAST

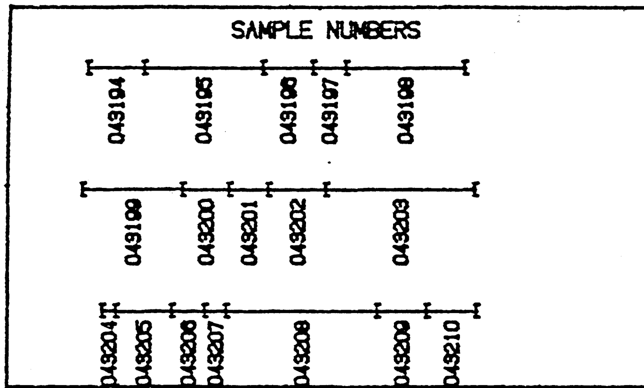
SCALE 1:50

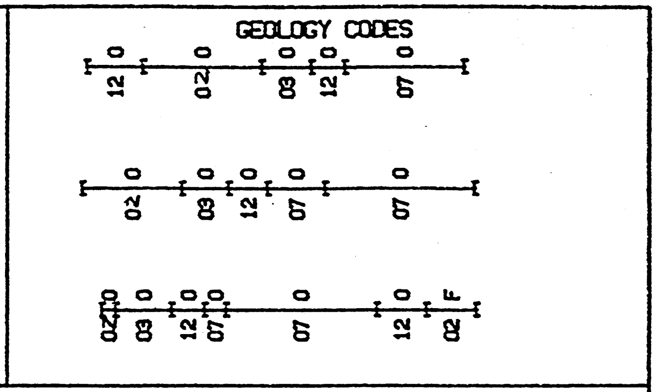
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

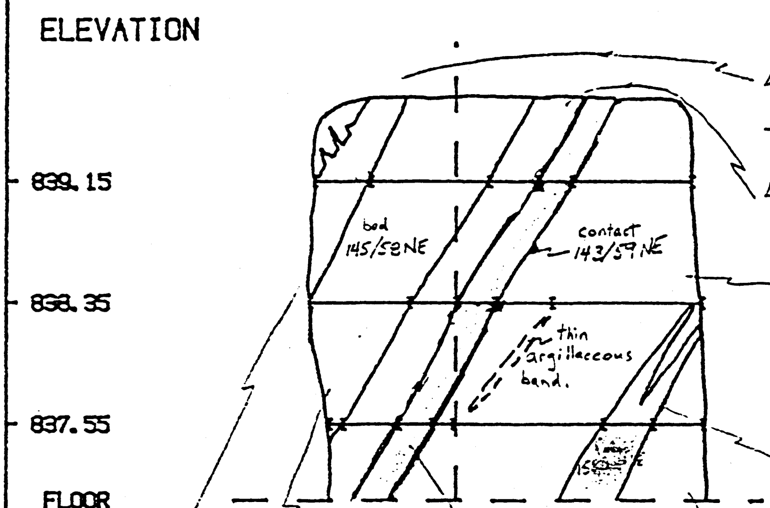
FACE# 115
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43194	.37	.27	.04	3.330	2.7	.5
43195	.79	.01	.19	.139	3.1	.2
43196	.33	.50	.84	1.370	7.8	.9
43197	.22	6.86	14.40	8.270	154.6	13.3
43198	.79	.08	.06	1.770	5.1	.3
43199	.66	.02	.09	.045	3.1	.1
43200	.31	.08	1.22	1.450	3.4	.9
43201	.26	7.17	13.90	5.870	341.7	17.4
43202	.38	.41	.45	5.230	13.7	1.3
43203	.99	.08	.03	1.430	11.6	.1





GEOLOGY



Lst-white, fg, siliceous, thin to med banded, minor sericite along fol planes
- at FW contact 1st contains thin crosscutting strs. of cp, Po.

Lst - white, fg, very minor argillaceous grey bands, thin to med. banded
- 1% conformable sulphide stringers, v. thin ZnS + Py bands

QTZ-Ser Phyl - thin to med. banded
- conformable Py + As strs. totalling 3% sulphides
- very few qtz lenses along foln.
- tr. v. thin ZnS strs along foln.
- sulp. strs. mainly in fw half of band
- cb ff

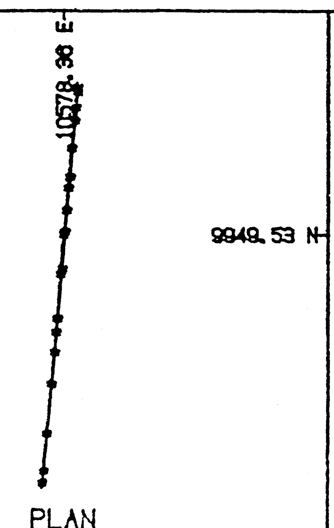
Sulphide Str Zone - 50% sulp, 50% Qtz-Ser Phyl
- fine to mg, med. banded sulp strs in HW
- fg, thick band of 60% Py, 35% As, 4% ZnS, 1% Po in FW half.

Lst - graphitic with crosscutting cb veinlets
- vaguely banded near HW contact
- slightly brecciated

MASSIVE SULPHIDES - med. banded
- 80% sulp + 20% siliceous fg 1st,
- Py 60% cg, As 10% fg, Po 7% mg, Cp 3%.
- crosscutting and conformable veinlets occur at HW contact

Lst - grey banded, grades to white in HW
- fg, thin to med. banded, argillaceous
- minor crosscutting and conformable cb veinlets

MASSIVE SULPHIDE
- mainly fg milled sulp within a banded sequence
- FW med band of Py + As, middle thick milled band of ZnS + As, band is enveloped by thin bands of ZnS (dark)
- OVERALL As 50% fg to cg, Py 25%, ZnS up to 25%
- gangue minor cb blebs



BP/SELCO

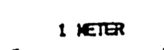
J&L PROJECT

830 LEVEL DRIFT

FACE 115

10578.36 EAST

SCALE 1:50



SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

FACE# 116
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43211	.31	.01	.01	4.670	.4	1.0
43212	.35	.02	.01	.079	.3	.4
43213	1.00	.08	.12	.353	.3	.5
43214	.24	6.65	9.03	4.860	129.9	14.1
43215	.71	.15	.04	4.900	.3	1.5
43216	1.00	.37	.94	.887	43.5	2.4
43217	.22	7.92	9.58	17.770	160.1	25.0
43218	.88	.13	.08	1.190	.3	.3
43219	.62	.66	.08	8.500	17.2	2.0
43220	.23	.31	.90	2.400	7.4	2.9

SAMPLE NUMBERS

043211 043212 043213 043214 043215

043216 043217 043218 043219

043220 043221 043222 043223 043224

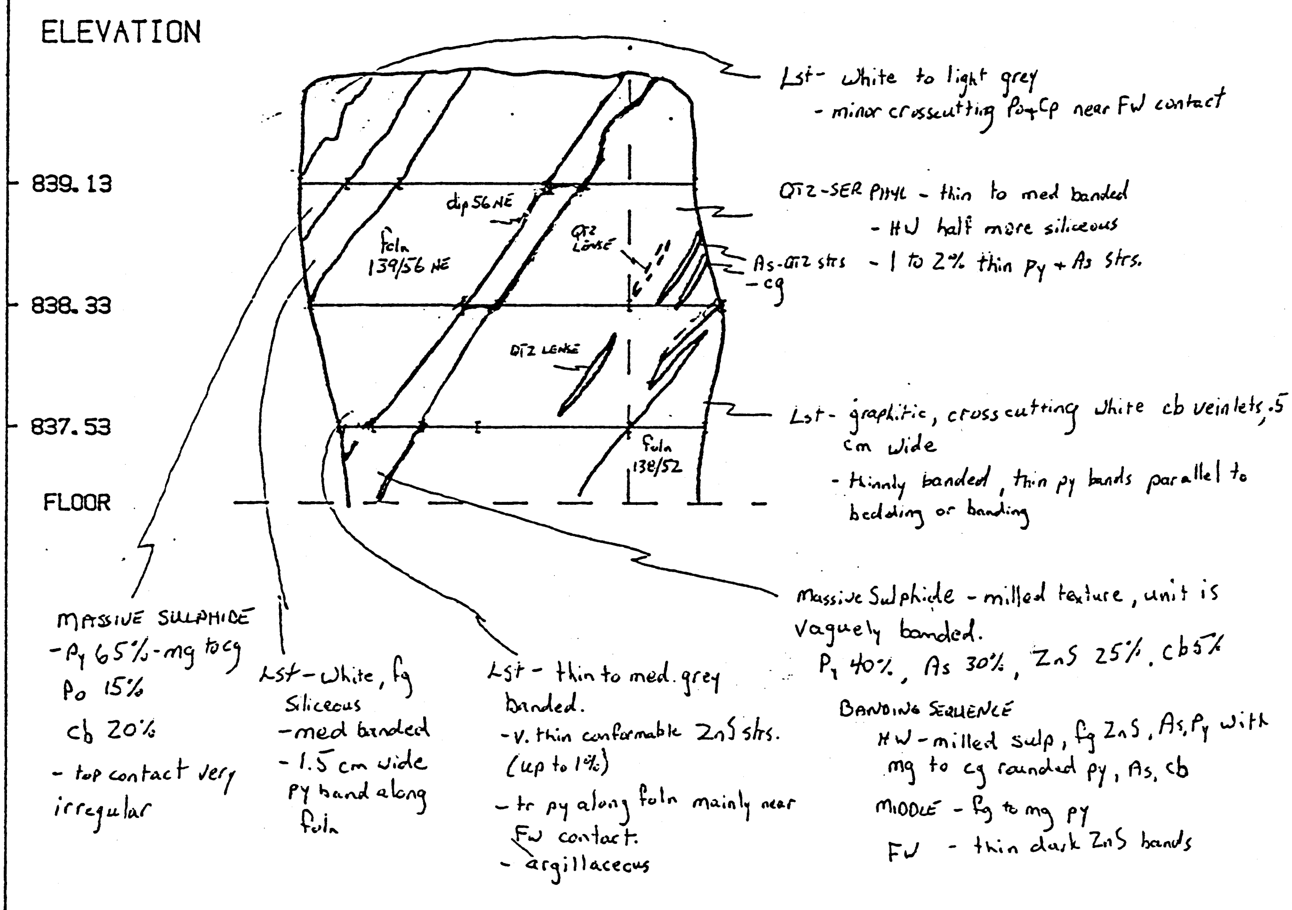
GEOLOGY CODES

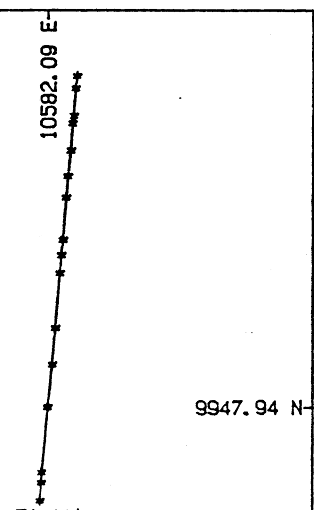
12 O 03 O 02 O 12 O 07 F

02 O 12 O 07 F 07 F

02 O 12 O 07 F 07 F 02 F

GEOLOGY





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 116

10582.09 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

FACE# 117
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43225	.30	.05	.46	.023	.3	.5
43226	.60	.62	7.94	4.950	9.1	.5
43227	.28	1.14	1.64	1.500	6.8	2.1
43228	.28	7.89	16.60	.076	136.6	14.2
43229	.95	.16	.22	4.160	3.1	.3
43230	.59	.77	13.90	.046	10.0	.3
43231	.23	.56	.79	.367	7.9	1.0
43232	.20	7.61	16.30	5.180	160.2	16.0
43233	1.00	.09	.06	2.860	4.1	.7
43234	.70	.03	.02	1.890	.3	.8

SAMPLE NUMBERS

043225 043226 043227 043228 043229

043230 043231 043232 043233 043234

043235 043236 043237 043238 043239

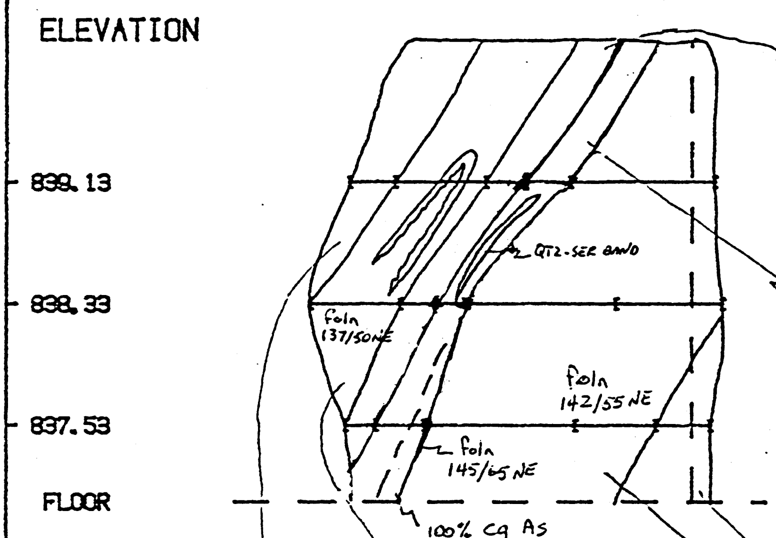
GEOLOGY CODES

03 H, 02 O, 02 O, 12 O, 07 F

02 O, 02 O, 12 O, 07 F, 07 F

02 O, 12 O, 07 F, 07 F, 03 F

GEOLOGY



LST - v. thin 1mm, silicified
- light to dark grey, minor ser on foln
- several very thin red ZnS bands, fg
- several very thin As bands, fg
2% red fg ZnS bands
1% PbS mg bands
1% fg As bands
tr diss py

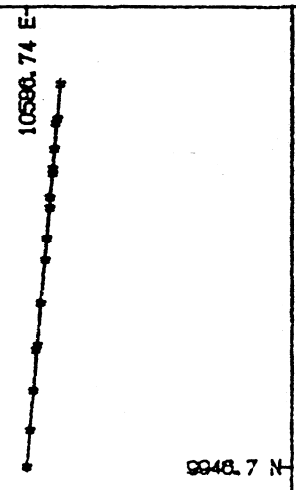
MASSIVE SULPHIDE - milled texture
- 65% vfg As + 10% vfg ZnS
5% py < 1mm milled
10% cg Py, irregular vaguely banded
+ 5% red + bk ZnS vague bands in Py
15% qtz-ser phyl frags.
- fg Py + ZnS bands at top.

LST - thinnly banded
- silicified ser argll lst
- tr vfg diss. py.

LST - abn ser, argillaceous
- thin white lst bands
- 20% white sec. calc around fold nose and along foliation

Lst - dark grey, med banded
- minor 1mm bk argll lst
- tr gr on foln
- tr euhedral mg py diss.

QTZ-SER PHYL
- 3-5mm banded, qtz lenses along foln
- 20% Cb, 5-30mm As bands, 2% cg Py + As bands
- minor .05mm bands RED ZnS



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 117

10586.74 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

FACE# 118
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43241	.44	.13	2.74	.285	11.0	.6
43242	.40	7.54	8.86	13.780	169.3	30.9
43243	.99	.12	.09	5.310	1.8	3.7
43244	.47	.06	.02	10.300	5.5	13.0
43245	.40	7.36	11.50	6.690	142.9	20.3
43246	.98	.15	.17	7.800	8.3	10.9
43247	.32	.03	.03	5.940	3.3	.8
43248	.17	.33	.02	14.490	39.7	3.5
43249	.48	.10	.02	.486	1.7	1.0

SAMPLE NUMBERS

049241 049242 049243 049244

049245 049246 049247 049248 049249

049250 049251 049252 049253 049254 049255

GEOLOGY CODES

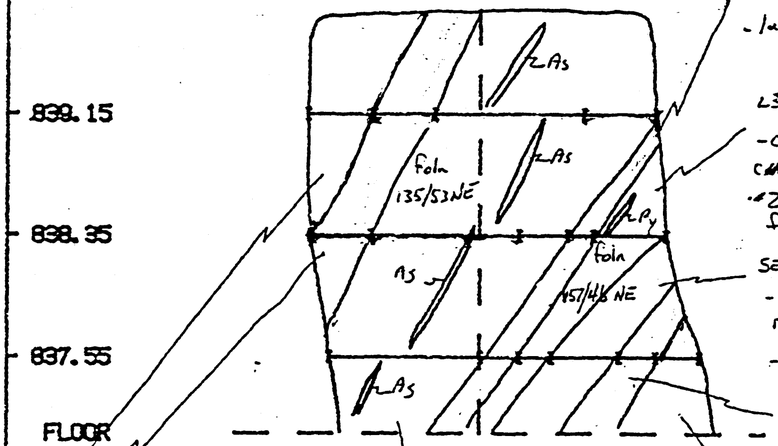
02 H 12 O 07 O 07 O

12 O 07 O 07 O 12 O 02 O

07 O 12 O 02 O 04 O 12 O 02 F

GEOLOGY

ELEVATION



MASSIVE SULPHIDE - mg to cg Py 50%, fg to cg As 48%
- 2% cb as white lenses with tr PbS in cb lenses
- layer is banded HW As Py As FW Py } BANDING SEQUENCE

LST - grey banded, argillaceous, minor gr along foln
- crosscutting white cb veinlets with sharp angular contacts with argillaceous lst.
- 2% discontinuous fg py bands up to 1cm wide along foln.

SER-QTZ Phyl - very thin to thin banded
- 5% monomineralic sulphides bands of fg As, fg to mg Py along foln
- 4cm wide lst band at FW contact (slightly argillaceous)

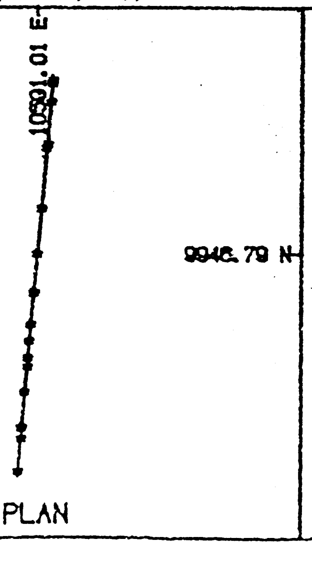
MASSIVE SULPHIDE - med banded
Py 40%, As 35%, ZnS 20%, 5% cb blebs and lenses
BANDING SEQUENCE HW - ZnS, dk red, 5cm wide
middle {Py, ZnS, As - thinly interbanded; Py, As, - fg, 3cm wide band}
FW - ZnS - 5cm wide dk red band.

LST - grey banded, very siliceous
- med banding
- 3% ZnS strs along foln
- ZnS - 0.1cm to 1.5cm wide - dk red
- tr py along foln

QTZ-SER Phyl - becomes more Sericitic towards massive sulphide
- up to 3% cb along foln and as ff.
- 15% sulphides in bands up to 4cm wide occur along foln - bands rappidly pinch and swell
- sulphides mainly mg As with minor Py

Lst - grey, thin to med banded
- argillaceous, minor ser on foln planes as well as minor gr.
- 15% sulphides - dk red ZnS strs. cross cutting and along foln
- tr PbS.

MASSIVE SULPHIDE
- As 40% Py 40% ZnS 15% PbS 3% Cp tr, Cb grains (rounded) 2%
- unit is banded.
- HW - cg Py, As, dk ZnS, tr Cp
middle - milled - vfg As, Py ZnS, with rounded Py, As and Cb grains
FW - med to cg As, Py, ZnS, Cb, tr cp (at bottom contact in crosscutting veinlets)



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 118

10591.01 EAST

SCALE 1:50

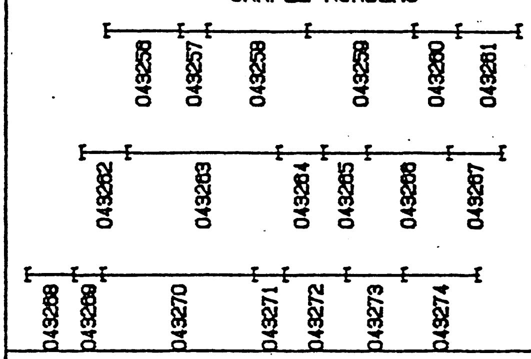
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

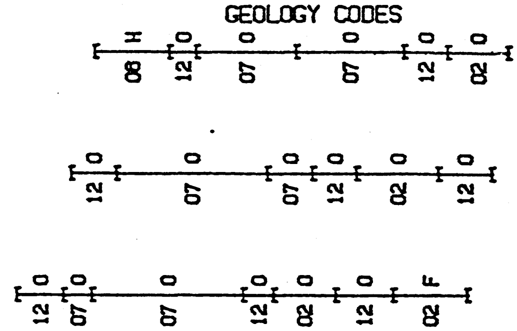
FACE# 119
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43256	.49	.03	.25	.192	1.6	.4
43257	.18	6.25	11.30	11.750	105.1	14.9
43258	.66	.15	.10	1.515	1.9	.8
43259	.71	.04	.02	5.350	.3	1.8
43260	.29	.25	.01	15.950	23.0	3.1
43261	.40	.19	.24	5.780	5.3	5.7
43262	.30	9.08	16.80	5.410	159.0	14.4
43263	1.00	.24	.26	3.230	2.5	1.6
43264	.30	.03	.02	6.330	.3	1.7
43265	.29	.15	.01	20.560	7.8	2.5
43266	.54	.12	.13	2.850	1.2	1.5
43267	.35	4.48	5.31	13.020	94.6	15.6

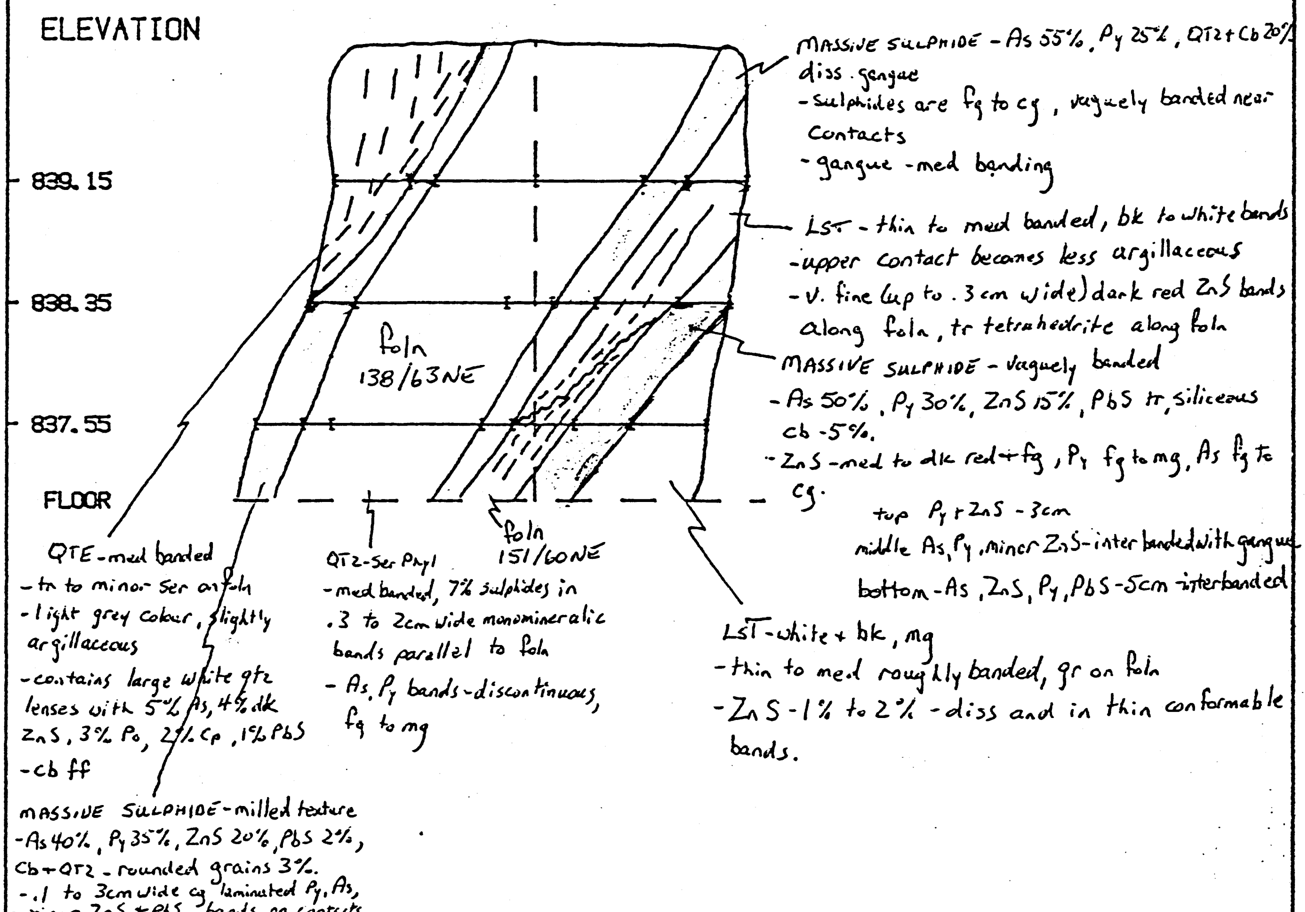
SAMPLE NUMBERS

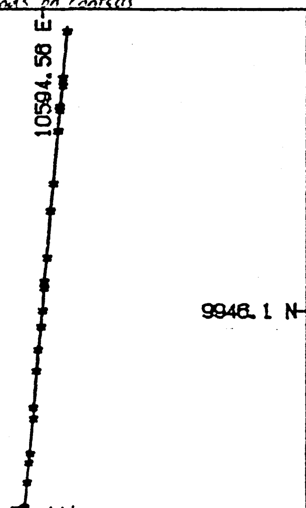


GEOLOGY CODES



GEOLOGY





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 119

10594.56 EAST

SCALE 1:50

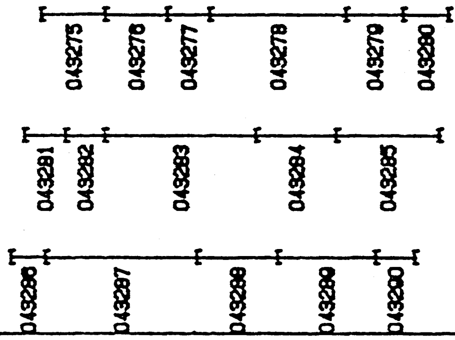
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

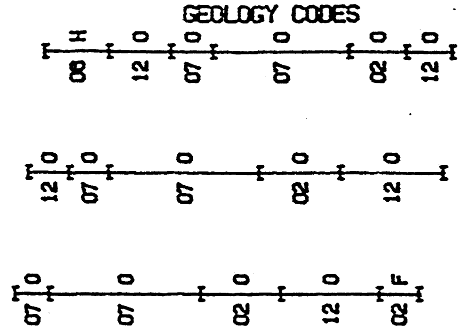
FACE# 120
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43275	.42	1.53	.77	.099	23.8	.9
43276	.41	5.16	8.86	14.300	121.5	38.9
43277	.28	.14	.15	.355	7.4	.8
43278	.90	.26	.04	5.940	15.8	1.3
43279	.39	.12	2.70	1.220	8.3	1.2
43280	.30	1.42	3.53	7.520	32.6	7.2
43281	.27	7.09	11.70	5.210	111.1	13.7
43282	.26	.34	.38	3.850	9.6	3.4
43283	1.00	.32	.13	8.790	24.2	1.8
43284	.53	.18	1.15	.481	41.0	.8
43285	.60	3.11	4.43	13.400	96.8	23.9

SAMPLE NUMBERS

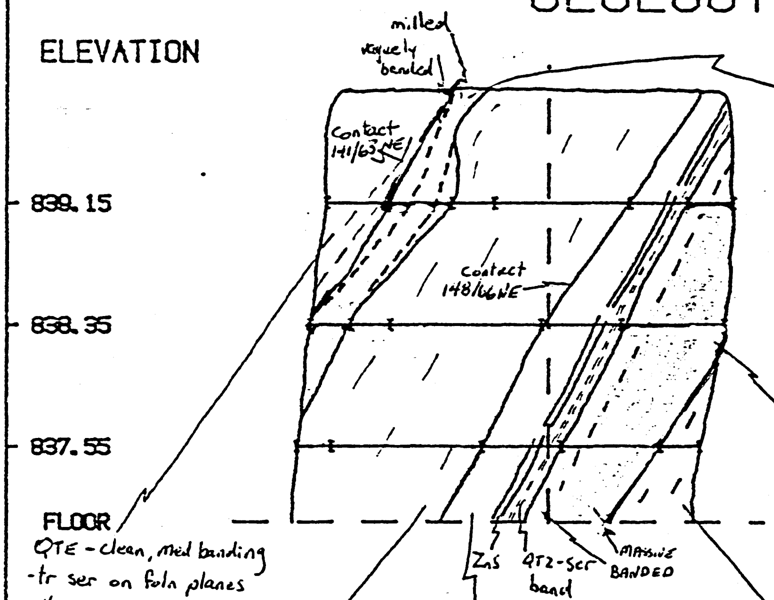


GEOLOGY CODES



GEOLOGY

ELEVATION



MASSIVE SULPHIDE
- horizon is banded

HW - cg, vaguely banded and contorted, 3 to 10 cm wide
As 70%, Py 10%, ZnS 6% (dk red), PbS 1%, Cp 1%
QTZ 12%

middle - milled texture, 15 to 20 cm wide
As 40%, Py 40%, ZnS 20%
- v fg with mg to cg rounded As + Py

FW - same as HW

Banding Sequence
As
ZnS
milled texture
ZnS
As

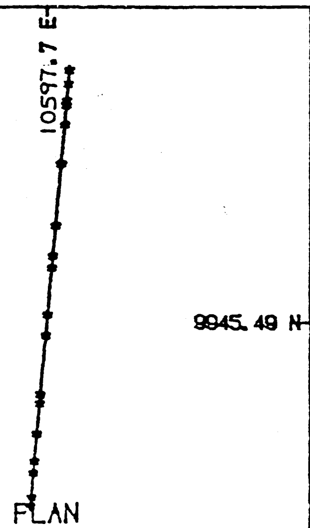
MASSIVE SULPHIDE
- Py 40%, As 35%, ZnS 20%, PbS 3%, Cb 4%
- top 15 cm thin to med banded - ie monomineralic Py + As bands (50:50) with 20% qtz + minor ser.
- massive band is fg to mg - irregular and contorted, no banding texture recognized
- cb occurs as cg diss. blebs.

QTE - clean, med banding
- tr ser on foln planes
- 4% sulp strs. - 1 cm wide
- not monomineralic bands
- ZnS - dk red, Py + PbS 1%

QTZ-SER PHYL
- thin to med banded, minor qtz lenses
- more ser. towards HW
- higher sulp. concen towards FW
- 10%-15% sulp. - mainly monomineralic mg As bands up to 2 cm wide
- minor fg to mg Py bands up to 2 cm wide

LST - white to grey, thin to med - argillaceous
- very minor (4 cm wide) qtz-ser band at FW with 4% Py, 3% As
- 2 to 5 cm wide dk red ZnS band directly above qtz-ser band, ZnS - fg
- tr diss PbS throughout

Lst - cg, roughly banded, argillaceous
- gr on foln planes
- v. minor diss. dk red ZnS
- tr tetrahedrite with minor PbS
- total sulp. ≈ 2%



BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 120

10597.70 EAST

SCALE 1:50

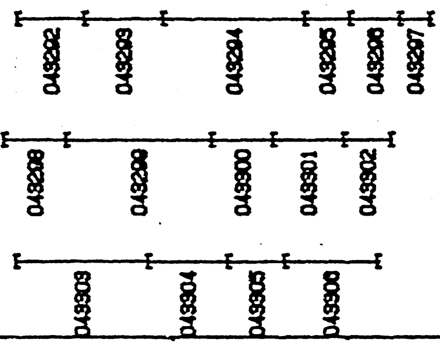
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

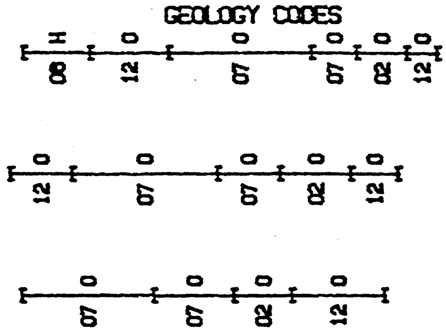
FACE# 121
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43292	.44	.04	.04	5.200	.3	.3
43293	.52	1.60	3.05	21.100	51.4	49.4
43294	.94	1.08	.43	.136	29.7	6.6
43295	.30	.19	.02	5.790	80.1	3.5
43296	.33	.10	.23	1.340	5.7	1.1
43297	.20	1.34	2.70	15.600	67.9	21.2
43298	.41	3.23	12.90	14.700	69.6	33.2
43299	.96	1.43	1.30	6.660	37.5	7.7
43300	.41	.57	.06	8.450	49.3	3.5
43301	.47	.06	.24	.975	2.1	1.3
43302	.31	.52	.27	15.700	54.3	14.3

SAMPLE NUMBERS

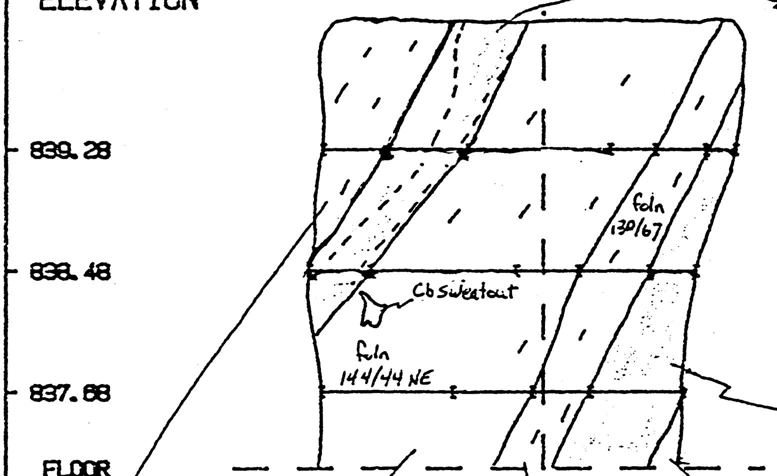


GEOLOGY CODES



GEOLOGY

ELEVATION



M.S. - As 50%, Py 25%, ZnS 15%, PbS 1%
Cp tr, Cb 10%
- unit is banded
- top 5 to 20 cm roughly bndd
cg Py 15%
cg As 80%
dk red ZnS 5%
tr tetrahedrite in cb clots
- middle - v.fg. milled texture, 4 to 10 cm
fg ZnS + Py + As, rounded mg Py + As
- bottom - cg. As 75%, Py + ZnS 15%, QTZ
+ Cb clots 10% - not banded

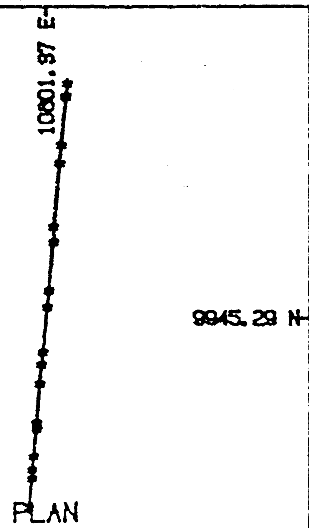
M.S. - As 50%, Py 25%, ZnS 20%, QTZ 5%
- massive, fg to mg
- upper 10 cm very vaguely bndd - fine to med bndd with As, Py, QTZ
- higher ZnS concen at lower 10 cm.

QTE - med bndd
- tr Ser on foln
- tr sulp - fg Py on foln
- tr diss dk red ZnS

QTZ - SER PHYL
- fine to med bndd, minor qtz lenses, slightly argl.
- up to 10% sulp. in mono bnds of 0.1 to 3.0 cm of fg to mg Py, fg to mg As, fg ZnS.
- Py 4%, As 4%, ZnS 2%
- sulp. more concen. at lower 30 cm and upper 10 cm.

LST - fg white to bk, argl
- fine to med bndd
- 4% sulp -> 3% mg Py
.75 cm wide at upper contact, 1% fg ZnS in fine strs. along foln.

LST - roughly bndd
- bk + white, argl
- gr - minor along banding.



BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 121

10601.37 EAST

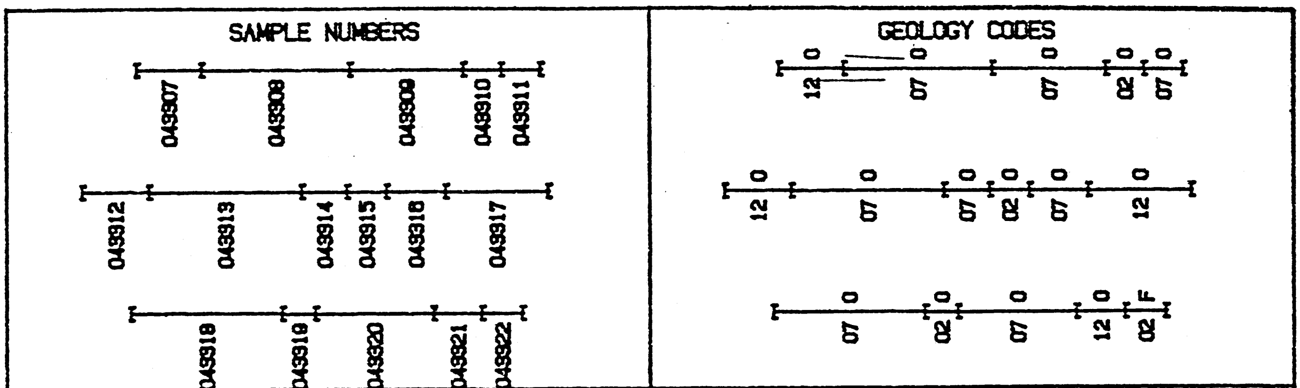
SCALE 1:50

1 METER

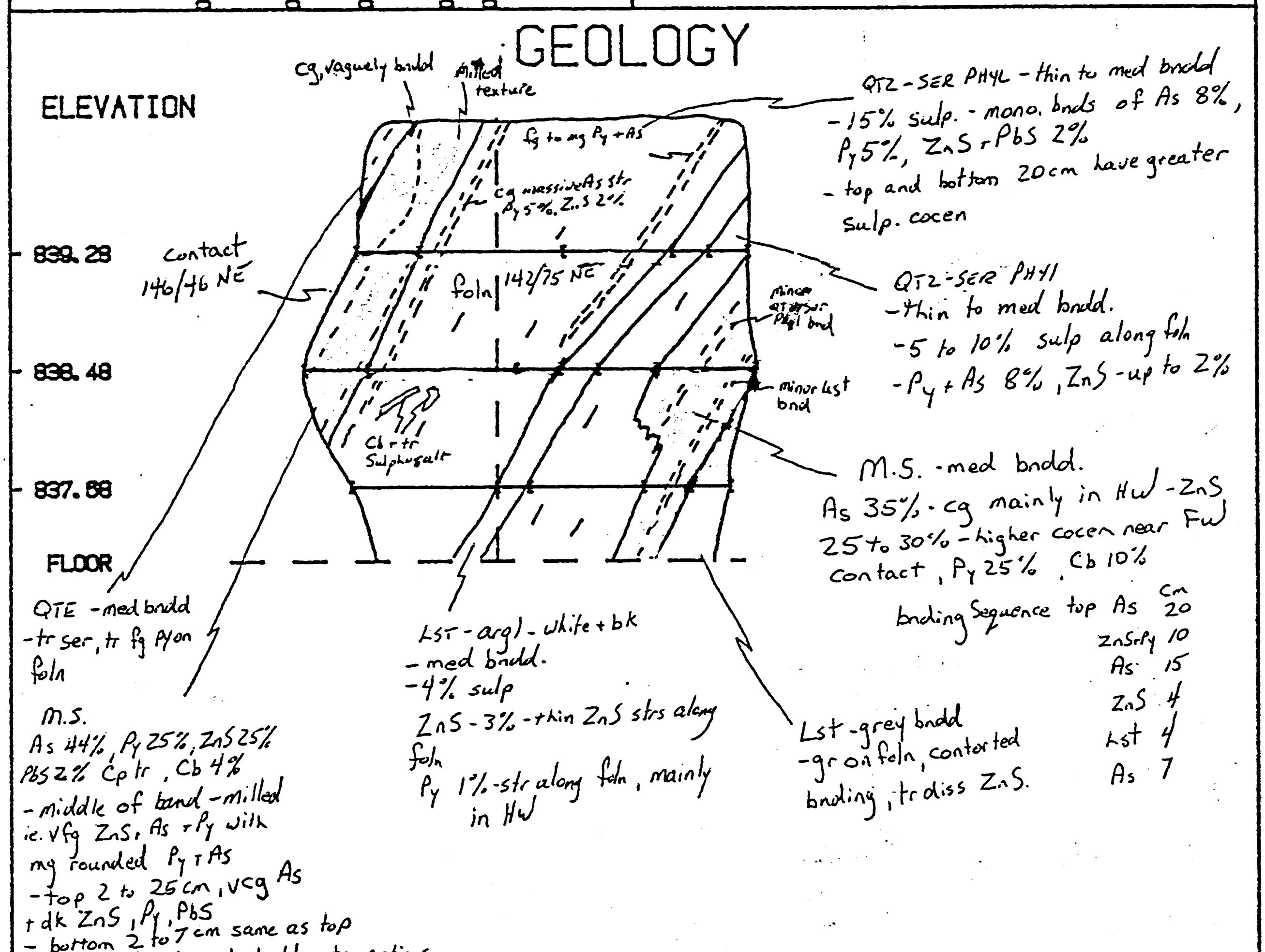
SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

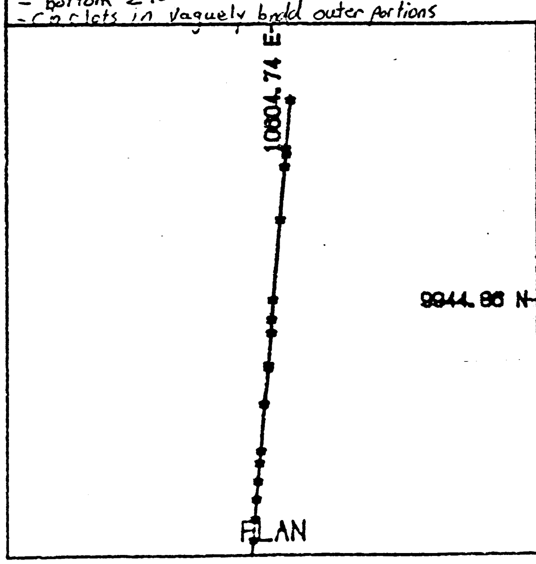
FACE# 122
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43307	.43	2.56	8.52	17.200	101.2	40.0
43308	.98	.50	.14	4.060	14.4	4.8
43309	.75	.63	.14	6.380	72.0	4.1
43310	.25	.16	.12	.960	10.6	.4
43311	.26	.42	.02	1.740	28.1	1.4
43312	.44	3.47	9.60	14.900	80.3	31.4
43313	1.01	.76	.92	9.240	2.9	12.9
43314	.30	1.12	.04	8.940	116.9	5.1
43315	.26	.06	.16	.193	.3	.6
43316	.39	.24	.34	2.710	13.9	1.9
43317	.68	1.28	4.52	12.400	44.2	12.7



GEOLOGY





BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 122

10604.74 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

FACE# 123
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43323	1.00	1.41	.74	2.300	25.4	.8
43324	.47	.04	.01	9.780	4.8	6.2
43325	.47	.10	.21	2.060	.3	1.0
43326	.67	.40	.10	10.200	.7	6.0
43327	1.00	.10	.01	3.680	5.7	2.5
43328	.39	1.19	1.54	13.000	23.0	13.5
43329	.28	.07	.14	.717	.3	.6
43330	.64	.79	.35	13.800	4.8	6.8
43331	.29	.97	2.87	7.420	14.4	11.5

SAMPLE NUMBERS

043323 043324 043325 043326

043327 043328 043329 043330 043331

043332 043333 043334 043335 043336 043337

GEOLOGY CODES

07 0 07 0 02 0 12 0

07 0 07 0 02 0 12 0 02 0

07 0 07 0 02 0 12 0 02 0 02HF

GEOLOGY

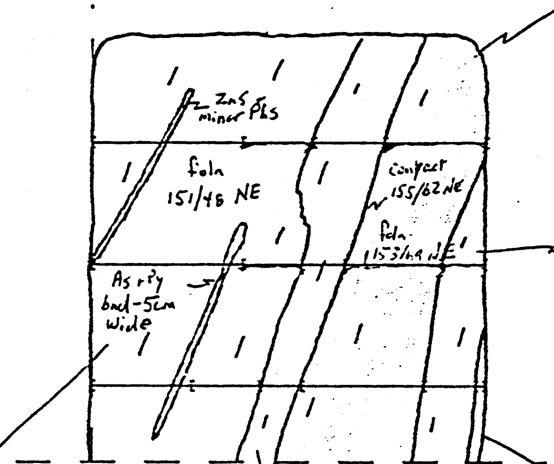
ELEVATION

839.28

838.48

837.68

FLOOR



M.S. - As 50%, Py 30%, ZnS 5%, tr tetrahedrite siliceous lst + ser 15%
- top 45 cm med. bndd with fg to mg mono. bnds of Py 50%, As 30% + 20% qtz ± ser.

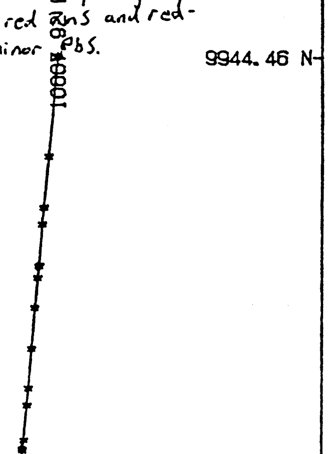
LST - med bndd, argl. ~45% sulp.
- Py 25%, As 15%, ZnS 5%
- Sulp. occur in mono. bnds parallel to foln — Py - 5cm wide bnd at FW contact
— As - 3cm wide bnd in middle of the unit
- ZnS - in thin multiple bnds within the top 10 cm of the unit

QTZ-SER Phyl
- thin to med bndd qtz lenses along
- 15 to 20% sulp mainly within lower 60 cm as mono. massive bnds parallel to foln. - bands are from .2 cm to 5 cm wide.
- band compositions are of fg As 6%, fg Py 5%.
- one ZnS + PbS bnd occurs approximately 1.10 meters from bottom contact and is 4 cm wide
- the band is fg and very vaquely banded with dk red ZnS and red-brn ZnS with minor PbS.

LST - white to grey, med bndd, fg
- very slightly argl. and siliceous
- 5% Sulp. - Py 3%, ZnS 2%
- Py strs occur parallel to foln main in the top 15cm of the unit
- Py occurs in mono. fg bands, .1 to 2cm wide
- ZnS occurs in thin mono. bnds at lower 15cm parallel to foln.

Lst - thin to med bndd, white to grey, argl, tr gr on foln
- minor fg ZnS occur along foln in bnds up to .5cm wide.

9944.46 N



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 123

10607.92 EAST

SCALE 1:50

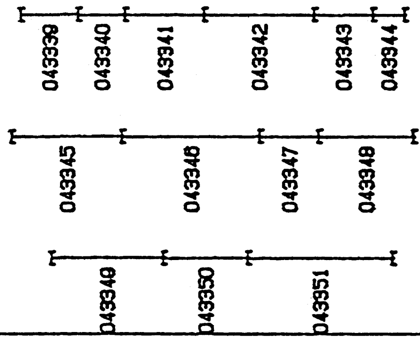
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

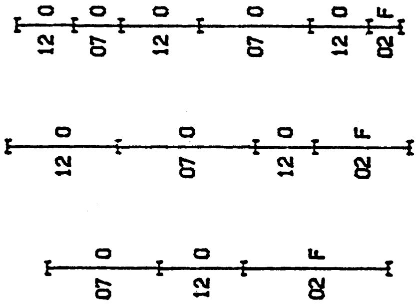
FACE# 124
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43339	.38	.15	.03	8.070	1.7	6.5
43340	.31	.10	.01	2.210	1.7	1.2
43341	.52	.21	.01	18.300	7.2	6.5
43342	.73	.15	.28	1.950	6.9	1.9
43343	.39	.52	.52	14.300	2.7	6.2
43344	.21	2.06	1.86	11.800	29.1	16.1
43345	.73	.25	.02	14.300	1.0	3.7
43346	.91	.20	.04	3.610	5.5	2.7
43347	.39	.72	.69	10.600	23.0	11.4
43348	.63	5.42	3.53	2.860	137.1	4.2

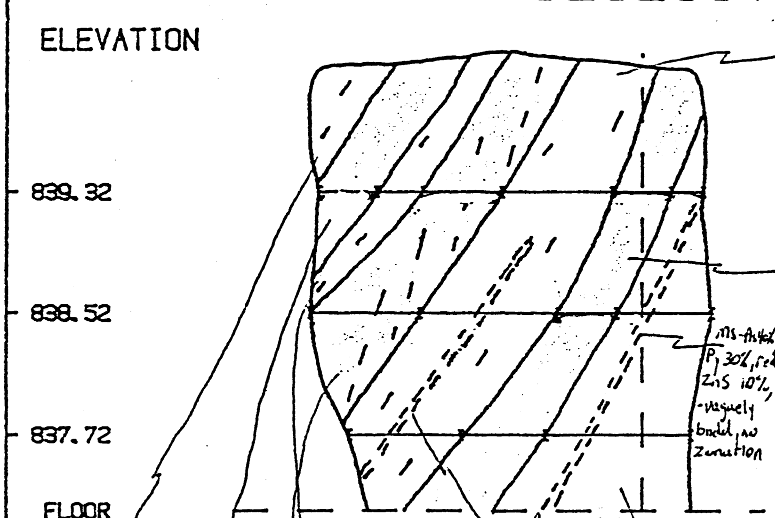
SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY



QTZ-SER PHYL - thin to med bndd.
- 15% sulp - thin to 1cm wide bnds of mono. mg. Py bands parallel to foln
- fine red ZnS 3% parallel to foln throughout unit
- bottom 50 cm slightly shrd.

M.S. - 60% sulp, 40% qtz and tr ser
- sulp. are fg in mono. bnds, 1 to 2cm wide parallel to foln
As 48%, Py 10%, ZnS 2%
- ZnS in very fine red-brn bnds parallel to foln mainly in lower 10 cm
- Py thin mono bnds parallel to foln mainly in top 15 cm
- As v fg, .1 to 2cm bnds parallel to foln.
- QTZ + minor ser in thin bnds which pinch and swell along foln.

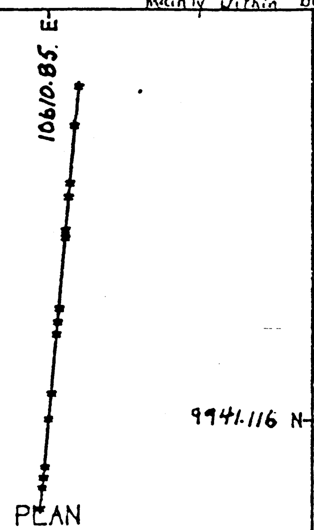
LST - grey to bk - contorted med bnded
- roughly parallel with foln
- argl., tr gr on foln.
- very minor small cb sweatouts with cg red ZnS and minor tetr.

QTZ-SER PHYL
- thin to med bndd
- Sulp 20%
As 15% Py 10% in med mono. bnds parallel to foln
- tr ZnS

M.S. - As 45%, Py 15%, Cp tr, qtz + minor ser 40%
- unit is med bndd parallel to foln. in mono. bnds.
- Py occurs mainly within bottom 10 cm

QTZ-SER PHYL
- thin to med bndd.
- sulp. 25% - cg Py 20% as diss grains along foln
- 5% fg As diss along foln

M.S. - As 60%, Py 5%, qtz + minor ser 34%
- ZnS 1% - v fg and diss
- As fg to mg in 5 cm wide bnds parallel to foln
- Py - fg 1cm bnds parallel to foln mainly within bottom 15 cm



BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 124

10610.85 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

FACE# 125
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43352	.90	.17	.04	7.700	1.7	2.5
43353	.49	1.43	1.58	12.500	40.5	8.4
43354	.70	21.60	11.80	3.880	648.6	17.1
43355	.23	.33	.07	7.650	8.6	1.6
43356	.78	.57	.38	14.300	16.5	12.4
43357	.98	7.48	2.96	4.790	266.7	6.7
43358	.40	.18	.35	2.170	.3	2.4

SAMPLE NUMBERS

043352 043353 043354

043355 043356 043357 043358

043359 043360 043361 043362

GEOLOGY CODES

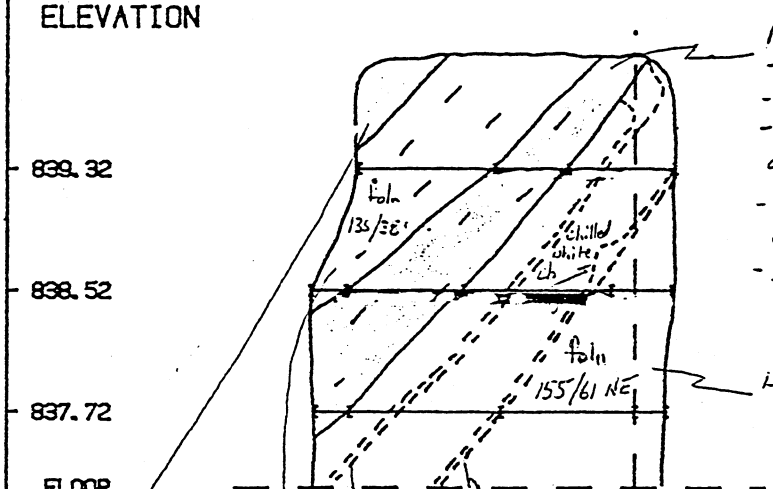
07 0 12 0 02 F

07 0 12 0 02 F 02 F

12 0 02 F 02 F 02 F

GEOLOGY

ELEVATION



M.S. - sulp 80%, qtz + minor ser 20%
- med bnding parallel to foln
- As 70%, Py 9%, ZnS red to light brn. 1%
- As fg massive mono. bnds up to 10 cm wide and thinning towards top
- Py, fg to mg - one 4 cm wide bnd at bottom contact
- ZnS - red to light brn, fine bnds within 5cm above Py bnd.

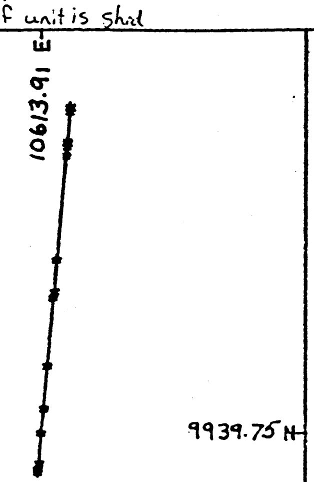
Lst - med bnd, light grey to bk, argl
- tr gr. on foln.
- 5% sulp. mainly in two bnds up to 7cm wide.
- minor diss. cg As + Py throughout
- minor fine red ZnS along foln in top 20 cm.

MS. - sulp 60%
- qtz + minor ser 40% along foln.
- mono. bnds of As + Py
- high back - difficult to determine separate As + Py %

M.S. bnd.
- As 35%, Py 35%, ZnS 20% PbS 10%, tetr - minor in cb blebs
- top half milled, mg to cg vaguely bndd bottom half.
- minor cross cutting and chilled margin features

M.S - bnd
- 80% cg As, with 20% Py

QTZ-SER Phyl
- thin to med bndd.
- 10% to 15% sulp in mono bnds
- mg to cg As along foln - bands are masse and up to 3cm wide
- bottom contact of unit is shd



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 125

10613.91 EAST

SCALE 1:50

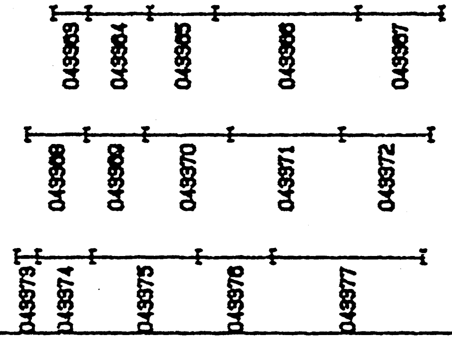
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

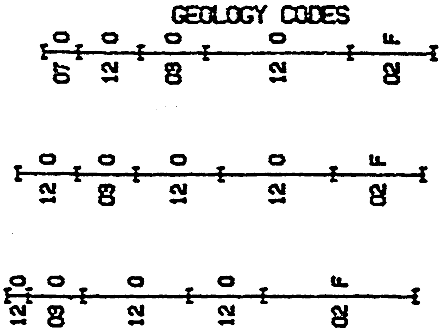
FACE# 126
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43363	.23	.22	.05	4.070	5.8	4.6
43364	.41	.34	.11	11.100	8.9	11.6
43365	.43	.50	.50	1.520	6.9	3.4
43366	.95	3.68	6.41	14.200	138.5	26.1
43367	.55	1.33	.68	.467	32.9	1.3
43368	.39	.50	.52	7.110	.3	2.3
43369	.39	.10	.17	.573	.7	.8
43370	.56	.18	2.12	17.800	16.5	26.6
43371	.74	4.87	15.00	9.210	136.4	24.0
43372	.59	.23	1.01	1.280	8.6	1.7

SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY

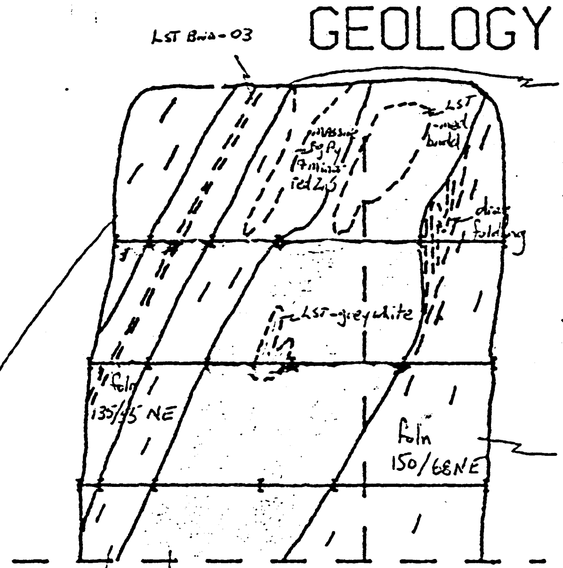
ELEVATION

839.32

838.52

837.72

FLOOR



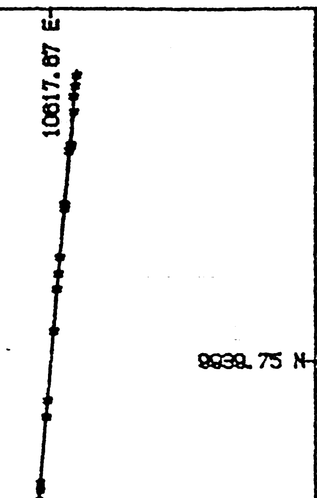
M.S. - 75% Sulp., 25% LST + qtz and ser.
- med bndd., very minor LST BND parallel to foln through middle.
- As 40% Py 35% ZnS 2%
- unit is composed of massive fg interbndd As, Py, QTZ-Ser.
- higher Py cocen at bottom 15cm, As bnd occur throughout
- ZnS - brn - thin .5cm bnd within LST BND.
- minor deformation (ie contorted bnding) within LST BND.

LST - med bndd, fg to med g, argl., minor gr on foln., minor diss. mg Py, thin brn ZnS bnds at HW contact
- minor tight drag folding at HW contact

QTZ-SER Phyl
- med bndd
- 30% Sulp
- 27% diss. mg Py parallel with foln.
- 3% diss fg As

LST - grey to white, med bndd
- slightly argl. - very minor red brn ZnS and tr. PbS along foln.

MS - massive, fg to mg, contorted, not well bndd.
- Sulp 90%, LST 10%
As 35%, Py 35%, ZnS 15%, PbS 5%, tetr tr.
- As - fg to mg.
- Py - fg to mg in clots rimmed with very dark red ZnS
- slightly more py near HW contact but no real zonation.
- PbS fg to mg more cocen within 25cm of FW.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 126

10617.67 EAST

SCALE 1:50

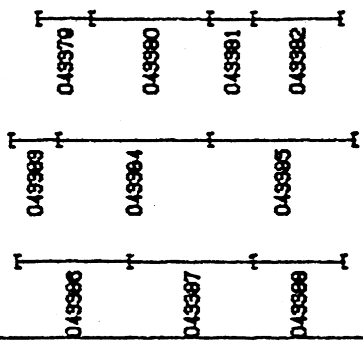
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

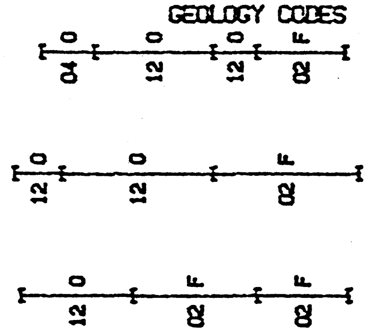
FACE# 127
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43379	.35	.54	1.92	7.420	18.2	4.3
43380	.78	1.63	3.47	11.500	55.9	20.3
43381	.29	2.56	5.22	9.330	57.2	16.1
43382	.58	.56	.94	1.210	11.7	1.9
43383	.31	1.63	1.92	9.920	64.1	7.1
43384	1.00	1.30	1.86	7.740	48.7	10.4
43385	.96	.48	.65	1.560	13.7	2.6

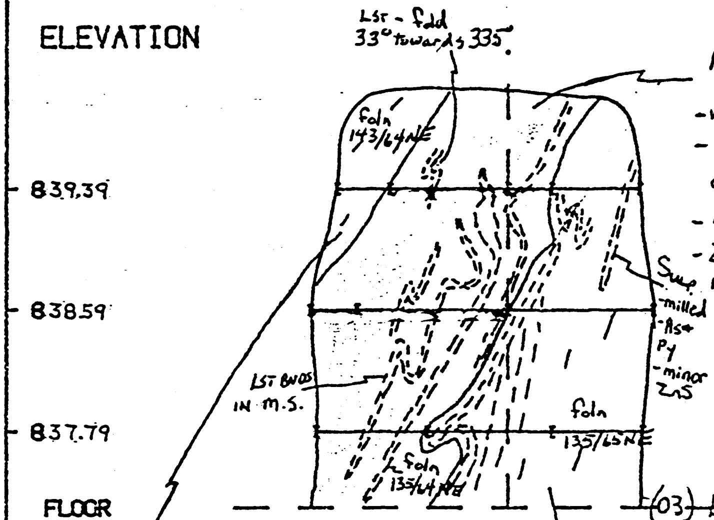
SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY

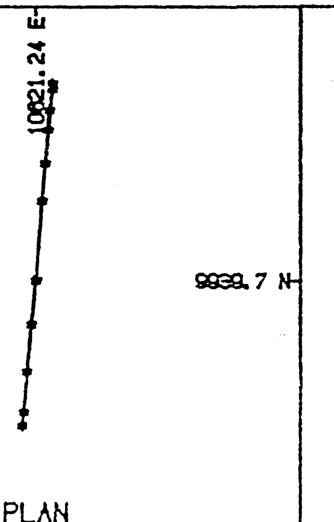


M.S. - 65% sulphides, 35% Lst gangue, vaguely bndd
As 40%, Py 15%, Zn 10%, tr tetr in lst gangue
- very minor ser near HW contact
- Sulp. are fg to cg, LST bnds are tightly folded and pinch out where limbs are attenuated
- AS - massive fg bnds up to 15 cm wide
- ZnS - brn bnds roughly parallel to foln, up to 1cm wide
  - dk red cg ZnS is associated with cg As at HW of fold noses and at FW contact
  - mono. ZnS bnds are more cocen. within upper 20 cm of unit and are up to 3 cm wide
  - dk red ZnS also occurs at upper and lower contacts of py bnds.

(03) LST BNDS WITHIN SULPHIDES - SHOW very tight ptygmatic folding which appear to be "Z" folds in the face, fg, thin bnds of As and ZnS (red-brn) are folded tightly within the lst
- sulp. bnds have minor thickening and grain size coarsening within fold noses.

SER-QTZ Phyl
- thin to med. bndd.
- sulp 25%, Cb 20% - parallel to foln
- As 15% Py 10% ZnS 1%
- As - fg mono. bnds parallel with foln.
  - up to 4 cm wide
- Py - mg diss along foln
- ZnS - thin red bnds within 15cm of FW contact
- Cb in thin bnds parallel to foln.

LST - fg to mg, fine to med bndd.
- argl., minor gr. on foln., minor cross cutting cb tension fractures within 15cm of HW contact.
- 3% sulp. in fg massive bnds up to 3cm wide parallel to foln.
- dark red fg. ZnS bnds are contorted along with foln within 20 cm of HW contact.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 127

10621.24 EAST

SCALE 1:50

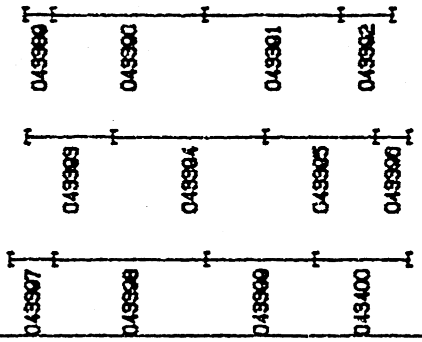
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

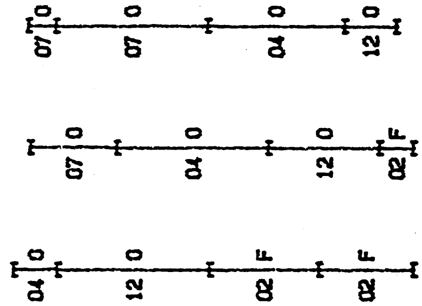
FACE# 128
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43389	.18	.15	.04	6.120	6.9	8.0
43390	1.00	.18	.03	2.940	4.1	4.7
43391	.90	.29	.07	2.200	6.2	1.4
43392	.34	.70	4.85	19.100	16.1	33.4
43393	.57	.27	.06	1.360	5.1	1.3
43394	1.00	.29	.23	1.510	12.3	3.0
43395	.73	13.70	15.00	7.160	227.7	17.0
43396	.22	.42	.54	.623	.3	1.3

SAMPLE NUMBERS

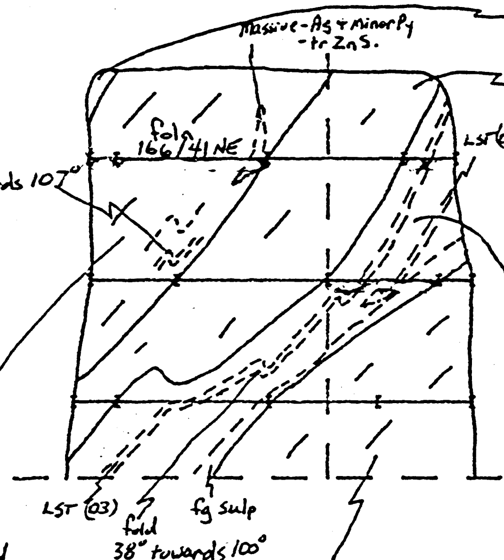


GEOLOGY CODES



GEOLOGY

ELEVATION



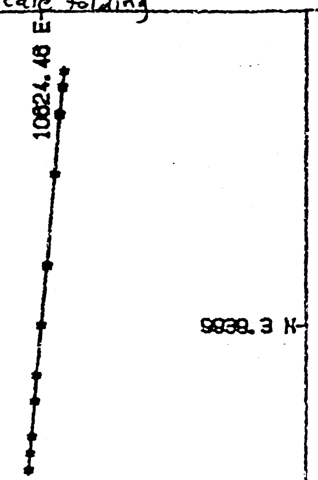
M.S. - mg to cg As 40%, Py 40%, ZnS 20% (dk red)

SER-QTZ PHYL - thinnly bndd, becomes more shrd at FW contact.
- minor qtz lenses parallel to foln
- sulp - 5% - mainly fg to mg py in thin bnds parallel to foln.
  - tr ZnS in thin bnds parallel to foln at FW contact.

M.S.
SULP 80%, LST 20%
As 60%, Py 10%, ZnS 10% (dk red)
- Vaguely bndd with ZnS in slightly contorted 1 cm wide bnds parallel to foln
- middle of unit - mg to cg. lower 10 cm at FW contact - vfg
- no apparent zonation but ZnS is slightly more cocen at upper and lower contacts
- Py bnds tend to have contacts rimmed with dk red ZnS as well.
- thin lst bnds are parallel to foln and have minor folding.

QTZ-SER Phyl
- thin to med bnd.
- 10% sulp. - As 6%, Py 4%
- As in fg to mg massive bnds parallel to foln, up to 7 cm wide.
- Py - mg to cg, diss. in bnds parallel to foln.
- tr ZnS (red) in thin fg bnds parallel to foln
- minor small scale folding

LST - argl., tr gr on foln
- med bndd.
- 5% sulp. - mainly fg As and minor Py parallel to foln in bnds up to 4 cm wide.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 128

10624.48 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

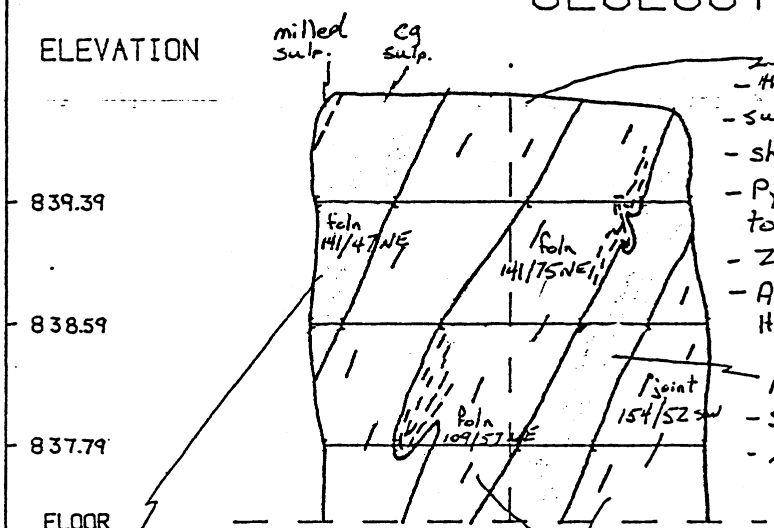
FACE# 129
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43401	.52	1.81	8.69	15.800	69.6	37.0
43402	.88	.43	.22	1.560	15.1	1.7
43403	.74	.17	.29	1.090	.3	1.5
43404	.32	12.80	13.10	8.200	249.6	18.5
43405	.21	1.53	1.81	17.100	27.8	28.2
43406	.66	.32	.09	1.490	14.1	.9
43407	.91	.26	.54	1.930	5.5	3.1
43408	.45	1.08	5.14	9.150	23.7	13.2
43409	.39	.03	.18	.234	.3	.3

SAMPLE NUMBERS	GEOLOGY CODES
043401, 043402, 043403, 043404	12 0, 07 0, 03 0, 12 0
043405, 043406, 043407, 043408, 043409	12 0, 07 0, 03 0, 12 0, 02 F
043410, 043411, 043412, 043413	07 0, 03 0, 12 0, 02 F

GEOLOGY

ELEVATION



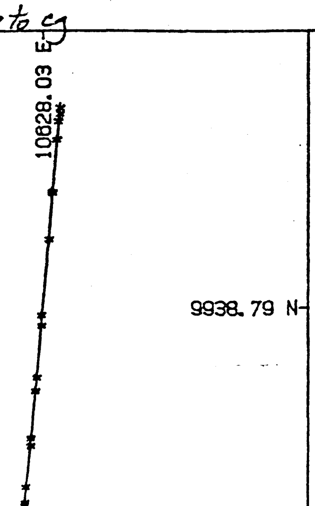
QTZ-SER PHYL
- thin to med bndd., minor qtz lensing
- sulp. 5% - Py 3%, As 1%, ZnS 1%
- shrd at FW contact
- Py - thin fg discontinuous bnds parallel to foln
- ZnS - red-brn thin bnds
- As - fg .5 cm bnds more cocen neer HW contact

M.S. - very vaguely bndd.
- sulp 75%, LST 25%
- LST cocen is variable, inter bndd with sulp.
- As - fg, diss bnds more cocen near and at HW contact.
- Py - fg to mg, mainly in lower 15 cm, massive to vaguely bndd.
- ZnS - fg, red to red-brn mainly in lower half.

M.S. - massive, very vaguely bndd
- mg to cg, As in lower 60 cm veg
As 45%, Py 40%, ZnS 15%, PbS 1%
Cpytr, minor qtz
- Py fg to mg in 10 cm wide irregular bnds rimmed with very dk red ZnS
- higher Py cocen. near FW contact
- ZnS - dk red in .5 to 3cm irregular bnds + strs.
- PbS - diss, mg to cg

LST - slightly argl, med bndd.
- 2% ser in thin bnds parallel to foln, Foln changes downdip
- 4% sulp. - 3% fg lem As bnds with thin brn ZnS bnds parallel to foln throughout unit.

LST - argl, minor gr on foln., med bnd.
- few tension fractures with white cb at HW contact.
- minor diss. fg py.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 129

10628.03 EAST

SCALE 1:50

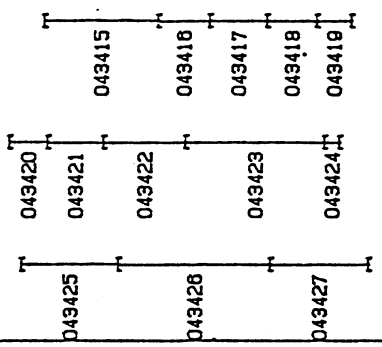
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

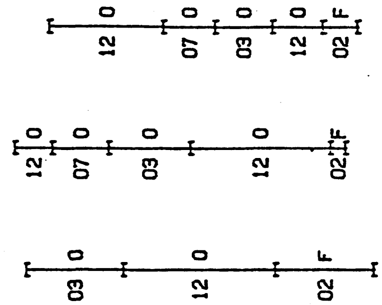
FACE# 130
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43415	.75	3.23	5.06	10.900	81.6	19.1
43416	.34	1.08	1.30	4.180	46.6	9.1
43417	.38	1.54	3.05	3.510	31.9	7.7
43418	.33	.06	.05	14.000	3.8	14.2
43419	.23	.09	.13	3.450	4.8	4.4
43420	.25	4.28	11.50	7.010	209.5	18.2
43421	.37	.58	.38	2.670	21.9	2.5
43422	.54	.90	1.62	3.480	16.8	4.8
43423	.92	3.36	4.52	15.100	45.6	26.9
43424	.10	.33	.36	1.460	.3	1.9

SAMPLE NUMBERS

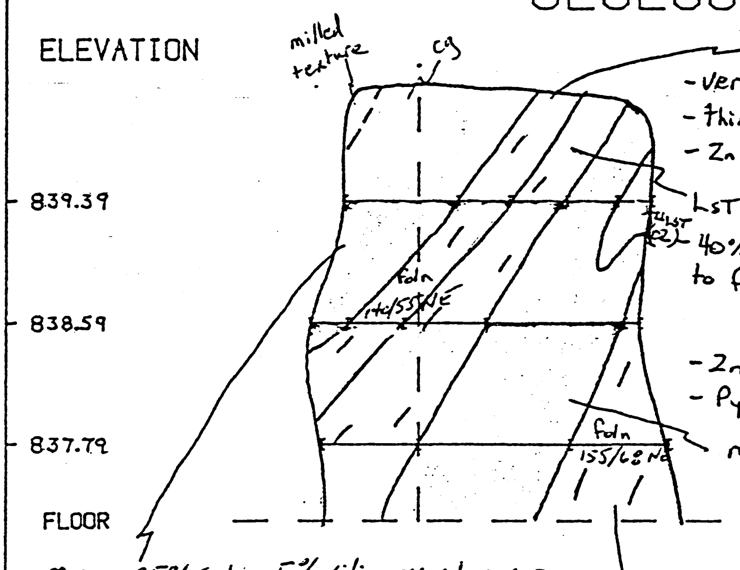


GEOLOGY CODES



GEOLOGY

ELEVATION



QTZ-SER Phyl - shrd, up to 10% sulp
- very minor qtz lensing
- thin mono bnds of As + Py parallel to foln
- ZnS - brn-red thin mono bnds.

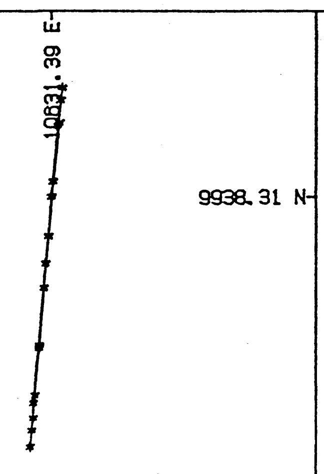
LST - slightly argl., white + bk, med bndd.

40% sulp. in bnds up to 4cm wide, parallel to foln.
ZnS 20%, As 10%, Py 10%
- ZnS - brn-red - fg bnds
- Py + As - fg, diss through ZnS bnds.

M.S. - fg to mg, massive, very vaguely bndd
Sulp 85% LST gangue 15%
As 43% Py 28% ZnS 10% PbS 4%
- As - fg - more concen in HW half - vaguely bndded with gangue
- FW half - massive, no bnding
- ZnS - very dk, rims py
- PbS - mg, diss through bottom half.

M.S. - 95% Sulp., 5% siliceous cb + ser.
As 50% Py 35% ZnS 10% PbS 4%
- minor thin ser bnds are parallel to foln
- vaguely bndd, most of bnd cg to vcg
- milled texture at HW portion
- ZnS in thin dk red bnds rimming Py
- no zonation

LST - argl., minor gr on foln
- thin to med bndd., minor tension fractures
- 2% sulp - minor diss. As + Py in thin bnds
- tr tetr. in cb veinlets



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 130

10631.39 EAST

SCALE 1:50

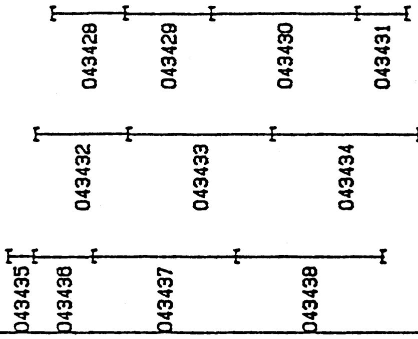
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

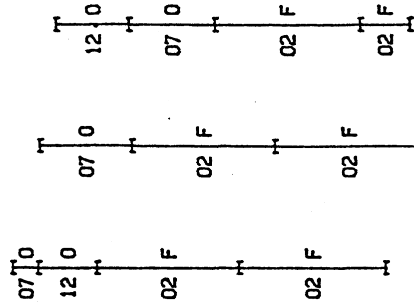
FACE# 131
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43428	.48	7.46	16.60	8.290	150.2	25.5
43429	.57	2.42	4.79	7.200	74.4	8.8
43430	.96	.46	.33	1.410	10.6	3.8
43431	.33	.04	.03	.916	.3	.7
43432	.61	1.03	1.67	5.860	45.3	5.3
43433	.95	1.00	.72	5.640	22.3	10.6
43434	.97	.04	.07	.301	.3	.4

SAMPLE NUMBERS

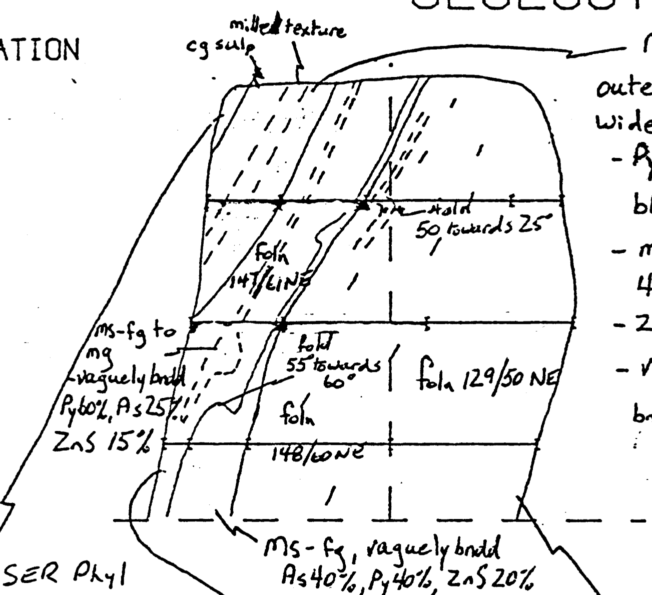


GEOLOGY CODES



GEOLOGY

ELEVATION



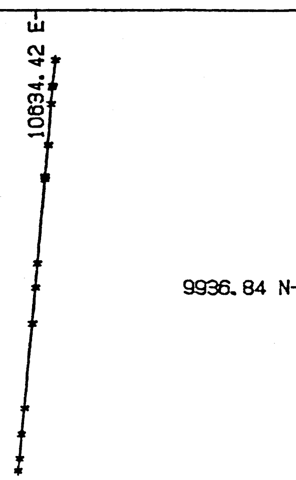
M.S. - middle 15 cm milled texture, outer portions cg and bndd - up to 20 cm wide.
- Py 40%, As 30%, ZnS 23%, PbS 5%, QTZ blebs and lenses 2%.
- mono bnds in outer portions up to 4 cm wide
- ZnS - dk red thin strs parallel to foln
- very minor ser parallel to foln

bnding sequence of HW - Py + ZnS unit
As
PbS
milled texture
As + ZnS
Py

QTZ-SER Phyl
- thin to med bndd.
- 5% sulp, fg mono As and Py bnds 1 cm wide parallel to foln.

QTZ-SER Phyl - med bndd, 15% sulp.
- mono. bnds of Py, As, minor ZnS near FW contact.
- tr PbS.

LST - fg, med bndd.
- argl., gr on foln
- 6% sulp within 1 meter of HW contact ZnS 3% As 2% Py 1%
- fg mono bnds. of As and Py
- multiple thin red-brn ZnS bnds within 30 cm of HW contact.
- minor folding near HW contact.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 131

10634.42 EAST

SCALE 1:50

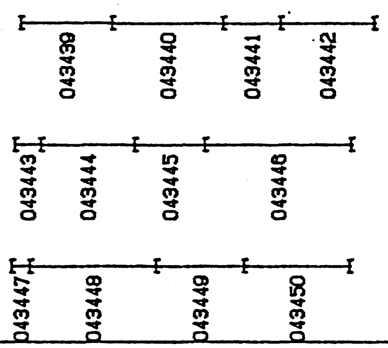
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

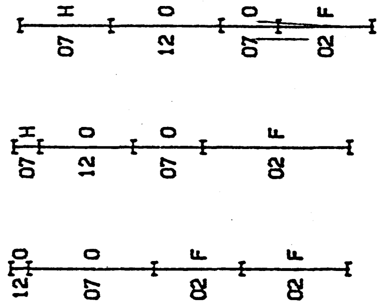
FACE# 132
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43439	.60	.03	.07	.372	3.1	.3
43440	.73	2.45	10.90	8.050	177.3	20.0
43441	.38	1.39	1.13	10.300	41.5	11.7
43442	.62	.55	.43	1.980	11.0	2.5
43443	.17	.09	.06	.617	7.2	.8
43444	.62	6.15	15.30	8.520	185.1	19.5
43445	.46	2.90	3.58	8.190	104.9	13.0
43446	.97	.81	.42	6.740	75.8	22.6

SAMPLE NUMBERS

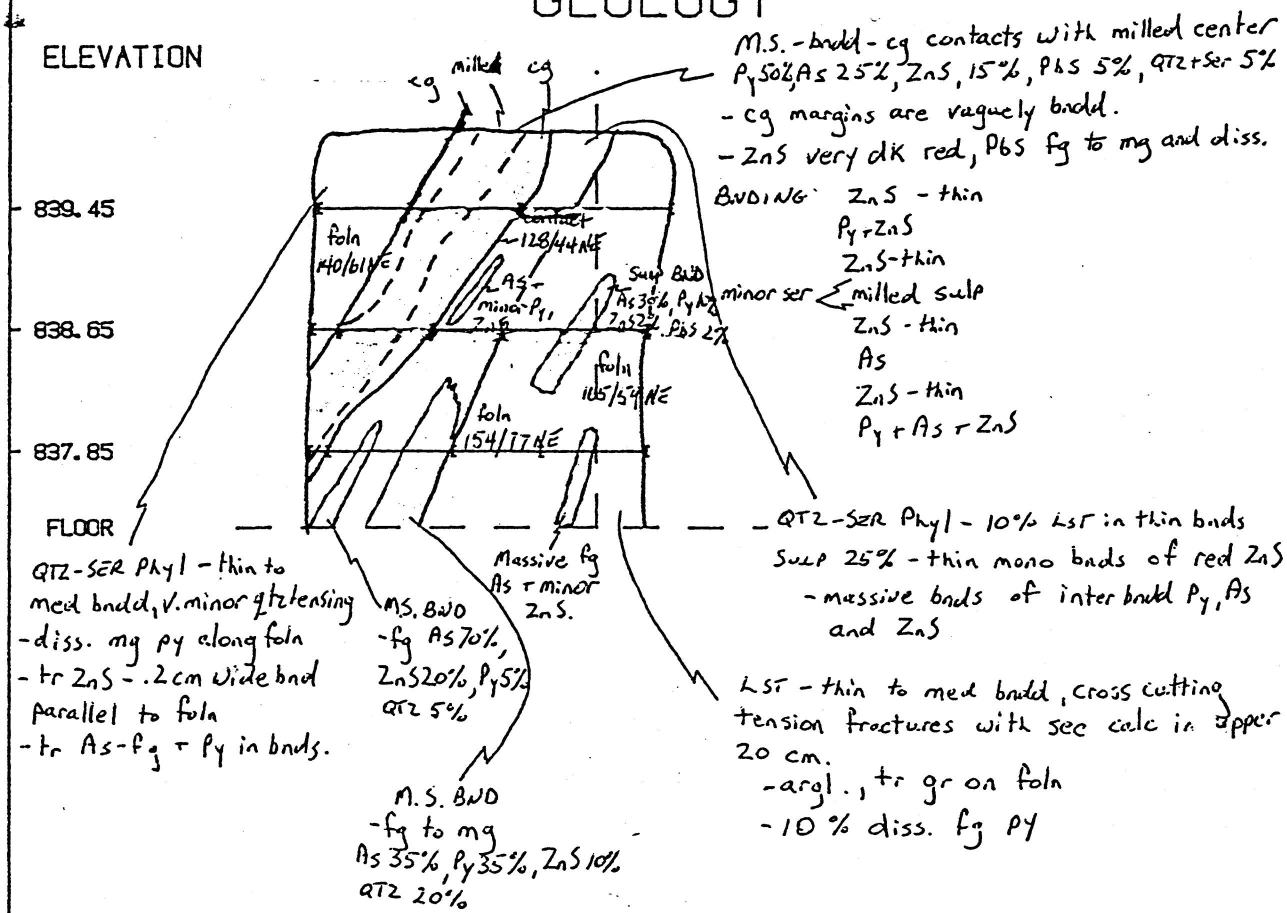


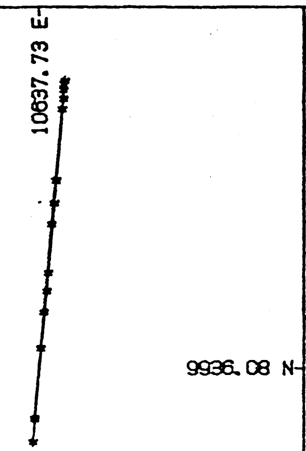
GEOLOGY CODES



GEOLOGY

ELEVATION





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 132

10637.73 EAST

SCALE 1:50

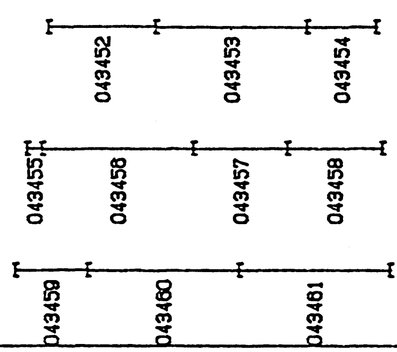
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

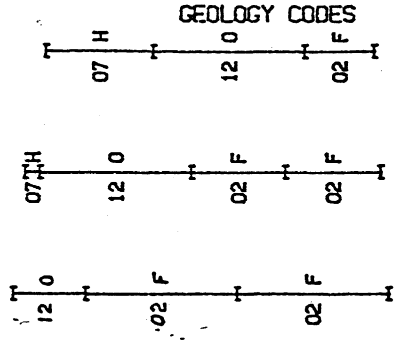
FACE# 133
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43452	.71	.03	.03	.623	4.8	.5
43453	1.00	3.86	6.72	6.820	118.6	14.7
43454	.46	3.44	.60	3.600	74.1	6.1
43455	.10	.06	.02	.438	26.4	.2
43456	1.00	4.59	7.44	13.400	215.3	25.3
43457	.62	.30	.42	1.500	.3	1.8
43458	.63	.06	.15	.069	.3	.2

SAMPLE NUMBERS

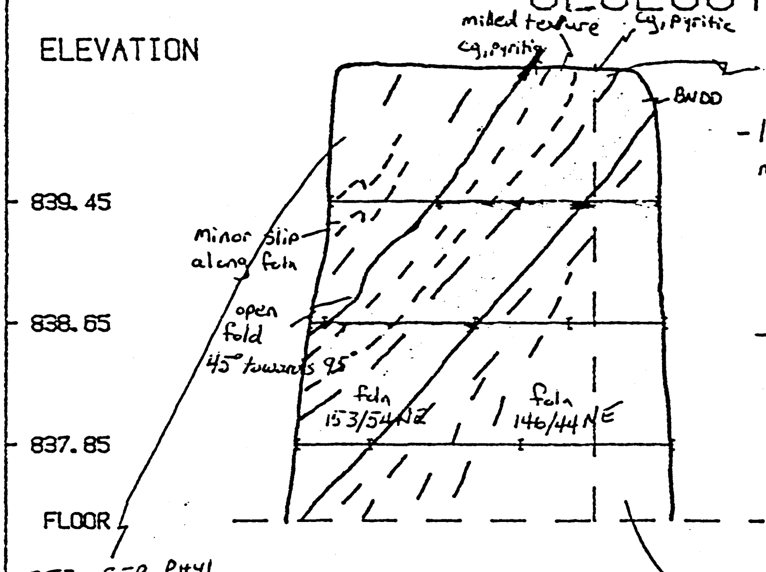


GEOLOGY CODES



GEOLOGY

ELEVATION

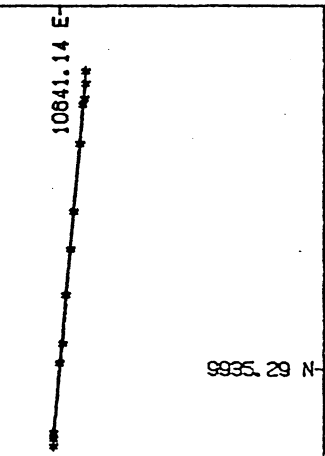


MS.-95% Sulp, 5% Ser + minor qtz
Py 45%, As 30%, ZnS 20%, PbS 2%

- lower half, - fg, med to thick bndd with mono As, Py, minor qtz-ser
  - very thin ZnS bnds along foln in middle of bnd
  - massive As on FW contact
- upper half - cg margins with milled texture center.
  - cg margins consist of massive Py with lesser cg As and dk red ZnS with minor PbS.
  - upper margin has only minor As.
- tr diss tetr.

QTZ-SER PHYL
- more siliceous than previous face mainly within 25cm of FW contact. + more qtz lensing along foln.
- 3% Sulp - fg to mg Py + As diss along foln

LST - argl, bk to Lt grey, med bndd.
- cross cutting calc filled tension fractures in upper 20 cm.
- top 15 cm more argl.
- 5% sulp bnds in upper 20 cm
- mono brn ZnS, fg As with minor fg Py
- 1% diss PbS
- sulp. bnds up to 4 cm wide



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 133

10641.14 EAST

SCALE 1:50

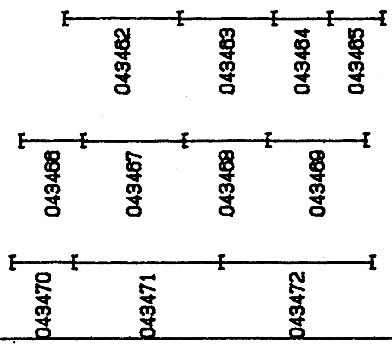
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

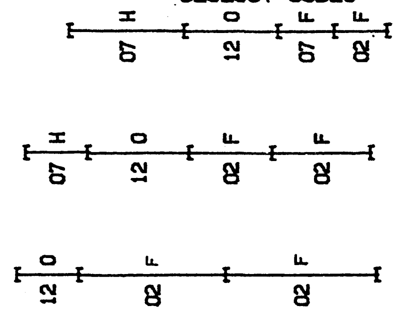
FACE# 134
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43462	.76	.13	.14	.439	32.6	.5
43463	.62	5.48	15.00	4.570	191.3	15.9
43464	.37	.71	.45	2.550	40.1	2.3
43465	.35	2.74	3.10	3.040	84.3	9.0
43466	.41	.08	.18	.978	12.3	.7
43467	.67	4.62	11.10	4.210	312.3	18.1
43468	.55	.55	1.43	3.020	43.5	5.1
43469	.65	.10	.13	.338	6.8	.5

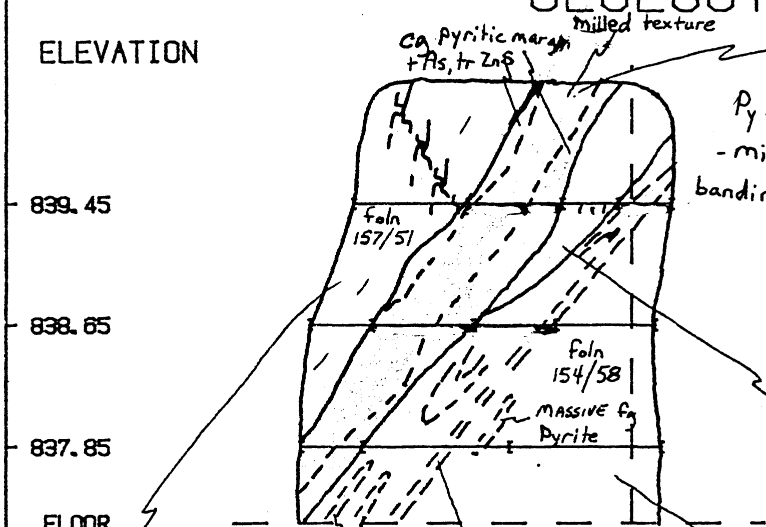
SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY



M.S. - milled texture center with massive pyritic cg margins
Py 55% ZnS 30% As 15% PbS tr.
- minor qtz blebs mainly in milled section
banding sequence HW - Py, minor red ZnS, As, tr PbS
ZnS - v. thin dk red bnd.
MILLED TEXTURE
ZnS - v. thin dk red bnd.
FW Py + Minor As - mg to cg

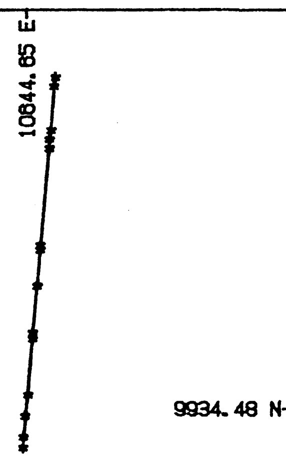
QTZ - SER PHYL - thin to med. bndd.
- v. minor qtz lensing, shrd.
- minor fg diss. py. + brn ZnS along foln

MASSIVE PY BNDS

M.S. - fg - bndd
As 30%, Py 30%, ZnS 30%
LST 10%

QTZ-SER PHYL
- med bndd, lower 20 cm thinnly bndd
- thin barren white qtz veinlets parallel to foln.
- 1% sulf - 1 cm wide As + Py (minor ZnS) bnd parallel to foln.
- minor slip surface developed in axial plane of kink

LST-ARGL, tr gr on foln, med bndd, crosscutting calc filled tension fractures
- minor thin qtz - ser along HW - continuous from qtz - ser phyl pinch out
- calc. f.f. slightly contorted in to "Z" deformation
- jointed - 136/34 SW, 5/66 W



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 134

10644.65 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

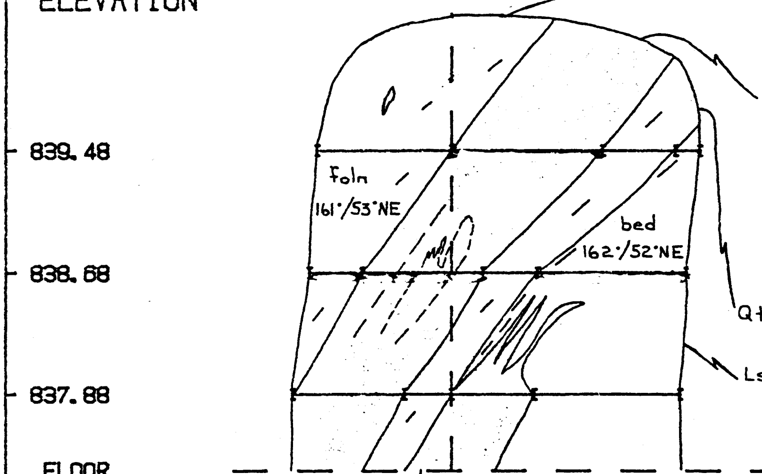
FACE# 135
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43473	.89	.06	.04	.808	8.9	.6
43474	1.00	4.74	10.30	13.500	117.6	27.6
43475	.48	.10	.13	.723	7.9	.9
43476	.16	.10	.09	.169	7.2	.3
43477	.35	.35	1.28	1.890	17.5	5.1
43478	.80	6.49	10.70	8.100	139.2	19.1
43479	.36	.14	.13	1.650	8.2	.8
43480	.98	.44	.51	1.430	9.2	6.6

SAMPLE NUMBERS	GEOLOGY CODES
043473, 043474, 043475, 043476	07 O, 12 O, 07 O, 03 F
043477, 043478, 043479, 043480	07 O, 12 O, 07 O, 03 F
043481, 043482, 043483, 043484	12 O, 07 O, 12 O, 03 F

GEOLOGY

ELEVATION



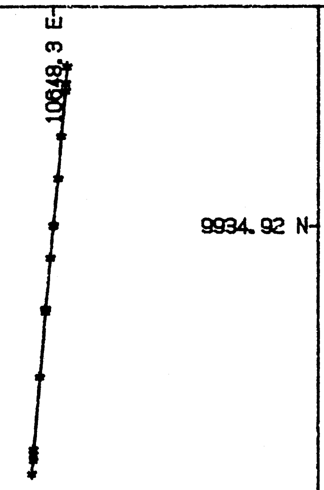
Qtz-Ser. Phyll. - intercalated Qte bands, shrd. 3-5% sulph strs + diss. (1mm-3cm) (f.g.-c.g. Py, Po + As) with qtz minor qtz boudins + chl. f.f.

M.S. - 55% Py, 20% As, 3-5% ZnS, 2% PbS + Qtz-Ser ; upper 25cm. of milled Py grains in f.g. sulph matrix ; middle section of c.g. As + minor red ZnS, PbS + Py + lenses and frags of Qtz-Ser. + bull qtz ; f/w of milled Py with thin ZnS bands to band of m.g. - c.g. As at f/w

Qtz-Ser. Phyll. - shrd ; 5% As + Py strs + diss. along foln.

Lst - gy bndd ; 1-2% strs of honey ZnS (± Py) mostly near h/w ; concen of sulphs along foln between M.S. + Qtz-Ser. Phyll.

M.S. - 95% m.g. - f.g. Py + minor Po ; interfingers into f/w Lst



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 135

10648.3 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

FACE# 136
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43485	.42	.02	.05	.057	1.0	1.0
43486	.85	.02	.44	1.680	3.1	3.3
43487	.45	2.90	14.60	8.840	81.6	38.4
43488	.37	.16	.29	.897	5.5	2.6
43489	.72	.04	.13	.163	5.5	1.4
43490	.09	.45	.94	4.030	15.1	9.0
43491	.76	.04	.48	2.190	2.7	4.1
43492	.68	2.84	13.50	9.540	82.6	36.7
43493	.68	.20	.25	.909	7.9	1.8
43494	.34	.32	.51	4.760	8.9	10.4
43495	.58	.03	.03	1.480	1.4	4.9

SAMPLE NUMBERS

043485 043486 043487 043488 043489 043490

043491 043492 043493 043494 043495

043496 043497 043498 043499 043500

GEOLOGY CODES

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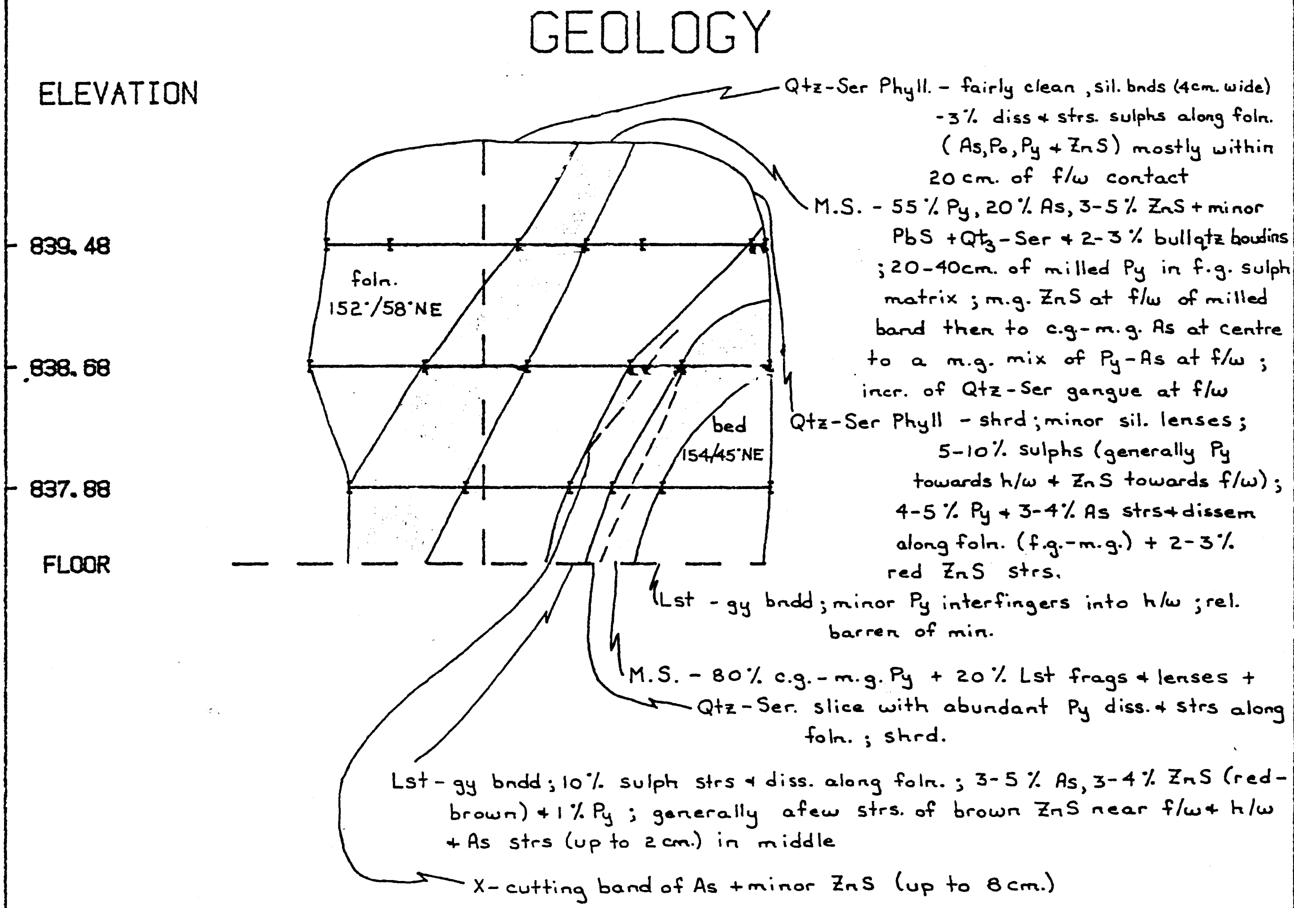
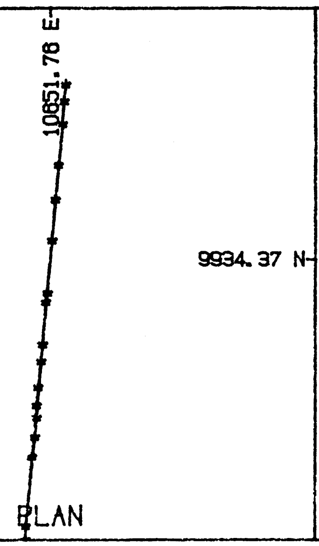
12 0 07 0 03 0 12 0 03 F

GEOLOGY





BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 136

10651.76 EAST

SCALE 1:50

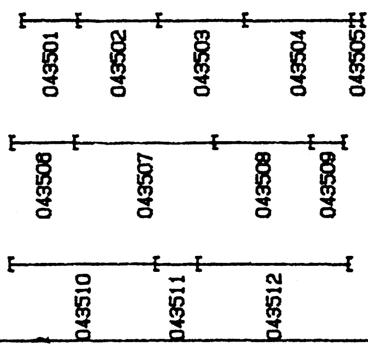
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

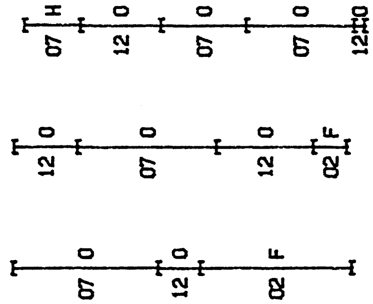
FACE# 137
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43501	.37	.01	.39	2.120	3.1	3.8
43502	.53	4.06	7.68	12.800	106.0	52.6
43503	.57	.17	.17	1.870	11.0	.8
43504	.71	.41	.74	2.880	17.5	3.8
43505	.07	3.08	1.51	7.840	82.9	19.2
43506	.42	5.69	11.80	8.900	161.1	39.8
43507	.92	.41	.52	1.900	12.7	3.1
43508	.64	.79	1.20	10.400	53.6	15.2
43509	.22	.03	.03	.124	5.1	.2

SAMPLE NUMBERS

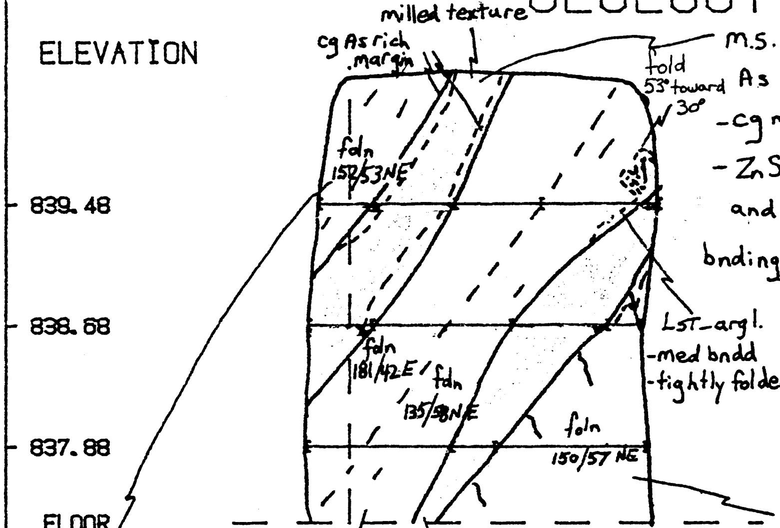


GEOLOGY CODES



GEOLOGY

ELEVATION



M.S. - mainly fg milled texture As 45%, Py 35%, ZnS 20%, QTZ-minor
- cg margins vaguely bndd and are As rich.
- ZnS mainly vfg within milled texture bnd. and in lower cg margin

bnding Sequence HW As - cg margin
milled texture
FW As + Py + ZnS - cg margin

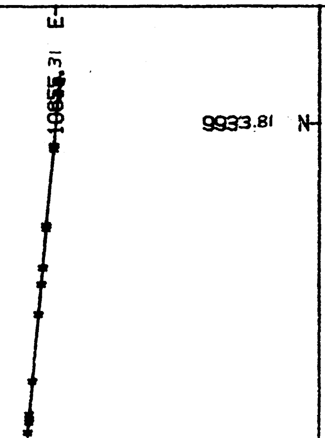
LST-argl.
- med bndd
- tightly folded.

LST - argl. minor gr. on foln, med bndd.
- minor crosscutting calc (white) filled tension fractures. At HW contact red brn ZnS has been mobilized into tension fractures.
- also tension fractures developed in minor small scale folds
- v. minor diss Py + As.

QTZ-SER PHYL
- med bndd, Lt grn
- slightly shrd
- 7% sulp
- mono. bnds As 4%, Py 2%, ZnS 1%, bnds up to 3 cm wide parallel to foln

QTZ-SER PHYL
- thin bndd, well shrd
- sulp. 2%, mono fg As and tr ZnS along foln
- thin mono fg ZnS bnds and fg Py bnds along foln at bottom 15 cm
- lower half strikes at 135° while upper half strikes at 181°

MS - mg, vaguely bndd Py 70%, As 35%, ZnS 5%
- Py in mg massive bnds up to 7 cm wide
- As in vfg bnds up to 2 cm wide
- ZnS in bnds up to 2 cm wide more cocen within lower half



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 137

10655.31 EAST

SCALE 1:50

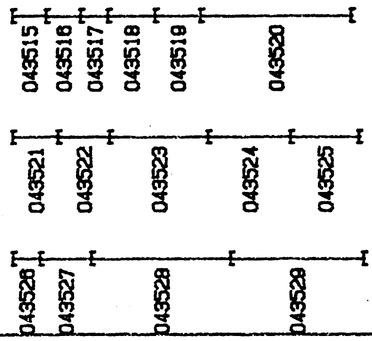
1 METER

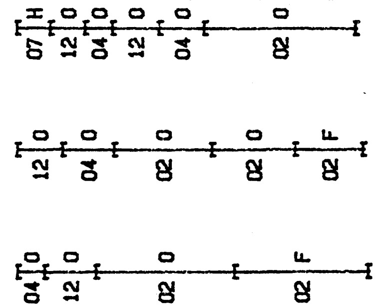
SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

FACE# 138
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43515	.22	.24	1.83	1.020	7.7	1.2
43516	.23	4.68	15.30	4.340	169.0	9.2
43517	.18	.30	1.76	4.710	33.7	3.3
43518	.31	8.90	9.60	16.300	267.1	35.4
43519	.30	1.58	1.11	5.020	19.2	2.1
43520	1.00	.18	.25	3.180	7.7	1.9
43521	.30	8.59	3.72	14.800	307.8	30.2
43522	.34	.54	.68	2.980	18.1	3.1
43523	.65	.10	.05	.381	5.2	.5
43524	.55	6.47	8.69	2.390	139.5	3.1
43525	.45	.12	.13	.040	5.7	.3

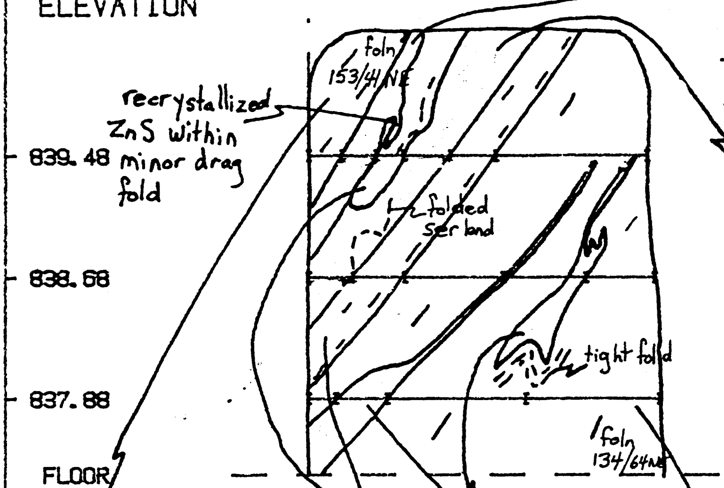
SAMPLE NUMBERS	GEOLOGY CODES





GEOLOGY

ELEVATION



M.S. - milled texture, vfg
As 40%, Py 40%, ZnS 20%
- tr cpy and milled qtz grains
- mg rounded As + Py grains

M.S. - fg to cg, vaguely bndd
As 50%, Py 36%, ZnS 15%, PbS 1%
- top 4 cm ZnS - thin bnd
milled sulp
ZnS - thin bnd
- bottom 15cm cg and bndd
- alternating ZnS (dk red, thin), Py (thin to med), As (med bndd)
- PbS - mainly along FW contact - cg and diss.
- shrd ser + minor qtz deformed throughout in med bnds.

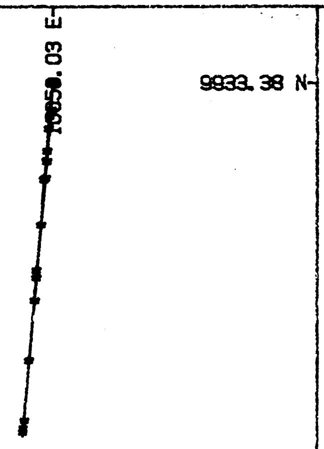
LST - argl, gr on foln, thin to med bndd
- tight ptygmatic folding within bnds
- minor sulp - mainly in bnds shown in sketch - deformed, pinch and swell.
- crosscutting calc. tension fractures more concen between sulp bnds.

QTZ - SER PHYL
- LT green, thin to med bndd
- locally siliceous
- sulp. - tr mg Py along foln + tr Po smeared on foln planes.

SER - QTZ PHYL - shrd, thinnly bndd
- 5% white qtz veinlets are crosscutting and along foln
- sulp 2% - fg diss As + Py.

M.S. - fg to mg, massive
- vaguely bndd As + Py
- minor ZnS

SER - QTZ PHYL - shrd
- thinnly bndd
- lower 10 cm mono fg As + Py + thin ZnS bnds. with 1st gangue.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 138

10658.03 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

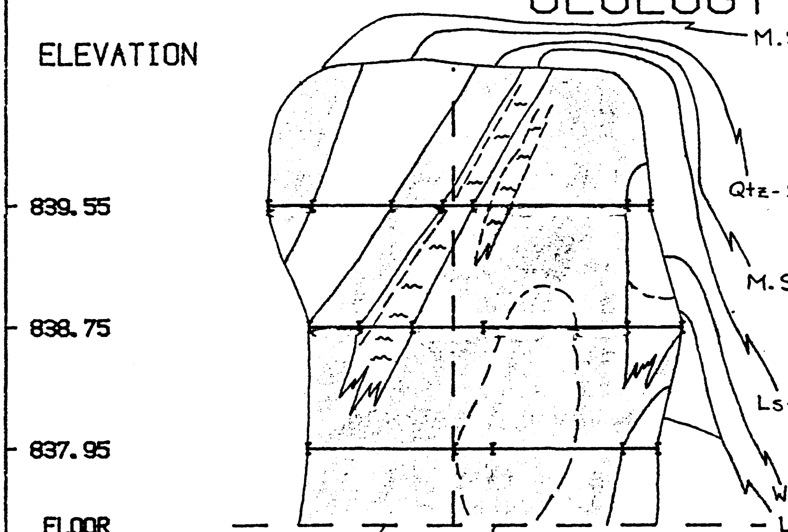
FACE# 139
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43530	.29	6.09	17.60	5.010	276.9	9.7
43531	.52	.31	.38	3.030	15.9	1.9
43532	.34	4.56	4.26	24.200	104.5	38.1
43533	.20	.64	2.03	2.490	28.0	4.2
43534	1.02	3.08	10.10	8.310	41.3	8.4
43535	.15	.07	.31	.236	13.4	.3
43536	.33	3.26	6.72	20.100	196.7	38.5
43537	.35	.08	.09	.994	7.3	.9
43538	.47	.23	.58	.998	14.8	2.3
43539	.95	1.34	5.47	10.200	76.0	7.7
43540	.36	.13	.37	.638	7.6	.6

SAMPLE NUMBERS	GEOLOGY CODES
043530, 043531, 043532, 043533, 043534, 043535	12 O, 07 O, 12 O, 03 O, 12 O, 03 F
043536, 043537, 043538, 043539, 043540	12 O, 03 O, 12 O, 12 O, 03 F
043541, 043542, 043543, 043544	12 O, 12 O, 12 O, 03 F

GEOLOGY

ELEVATION



M.S. - 60% Py, 30% As, 1-3% ZnS; f.g. Py + As with milled Py + minor bull qtz lenses (rounded to subrounded); a few coarse As aggregates; m.g. ZnS; m.g.-c.g. Py on f/w; f/w contact 135°/57° NE

Qtz-Ser Phyll. - 10-15% boudinaged qtz lenses + 5% Py + As diss + strs (f.g-m.g.) + 1% m.g. PbS + tr. m.g. black ZnS.

M.S. - upper 20cm. 70% m.g.-c.g. As, 20% f.g.-c.g. Py, 5% m.g.-c.g. ZnS, minor f.g.-m.g. PbS; f/w is Py-rich + minor ZnS

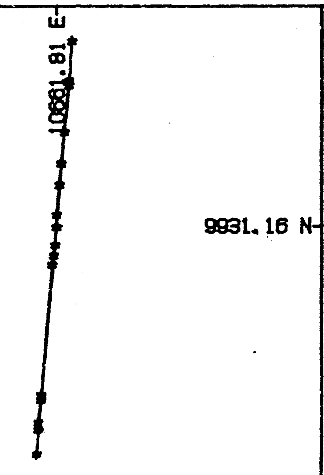
Lst - gy bndd; top 10cm. Qtz-Ser Phyll.; barren of min. + abundant cb. tension gashes

White Cb - m.g.-c.g., minor diss. Py

Lst - gy bndd; well folded on wall

Concen of As; 70% f.g.-m.g. As + 25% f.g.-m.g. Py

M.S. - on f/w side of large Lst lense; 5-7 cm. of m.g. PbS + ZnS (50%) in f.g. sulph matrix, then 10 cm. of milled Py, into section of 80% f.g.-c.g. Py, 10% qtz. lenses, 2-3% m.g. ZnS; small lense of Lst with 3-5% Py diss. + strs.; f/w side of Lst lense - 5 cm. of m.g. Py into 5 cm. of milled Py; rest of section - 70% f.g.-c.g. Py, 20% f.g.-m.g. As, 2-3% m.g. ZnS + minor Lst + qtz lenses with an incr. of c.g. As + m.g. ZnS towards the f/w of the M.S.; very pyritic between the 2 Lst sections on the lower f/w



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 139

10661.81 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

FACE# 140
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43545	.30	.11	.18	.973	8.2	1.4
43546	.25	14.70	7.16	5.100	352.7	16.8
43547	.31	.70	.74	3.080	20.6	3.4
43548	.78	3.50	26.60	12.200	120.5	25.5
43549	.82	2.42	15.00	8.950	112.6	16.3
43550	.16	15.70	15.30	6.880	274.5	16.2
43551	.45	.41	.46	1.540	13.8	2.0
43552	.82	5.89	12.20	11.000	143.0	22.9
43553	.94	4.34	6.94	9.640	141.2	17.8

SAMPLE NUMBERS

043545 043546 043547 043548 043549

043550 043551 043552 043553

043554 043555 043556 043557

GEOLOGY CODES

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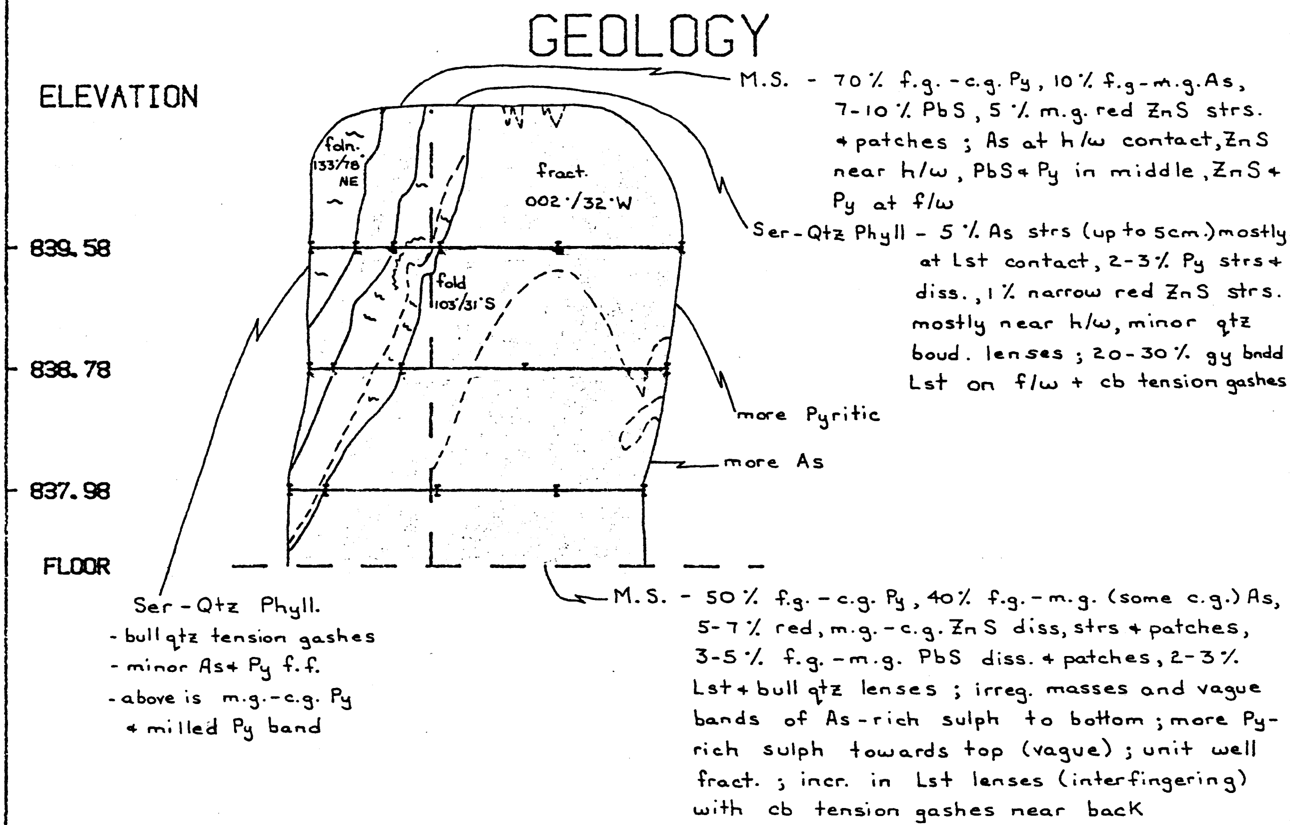
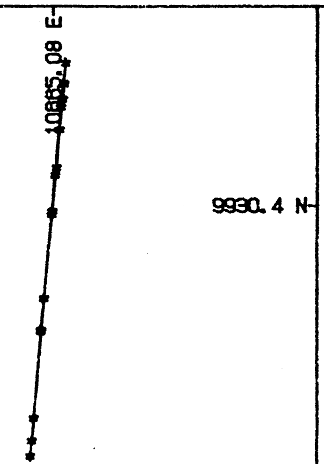
04 0 12 0 12 0 12 0

GEOLOGY





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 140

10665.08 EAST

SCALE 1:50

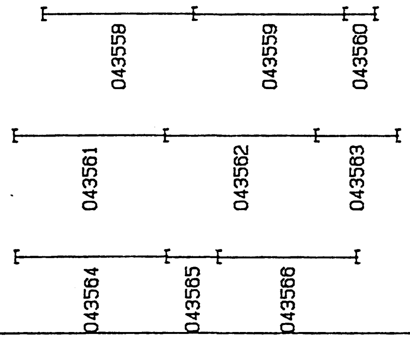
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

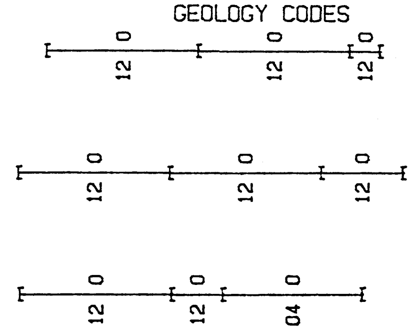
FACE# 141
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43558	1.00	1.63	13.10	8.610	39.2	23.2
43559	1.00	2.78	9.20	8.270	56.8	19.3
43560	.20	.34	.80	15.900	8.6	22.9
43561	1.00	.98	4.78	8.340	30.9	8.2
43562	1.00	3.02	6.94	7.620	70.8	21.7
43563	.54	1.28	2.53	11.600	20.0	16.3

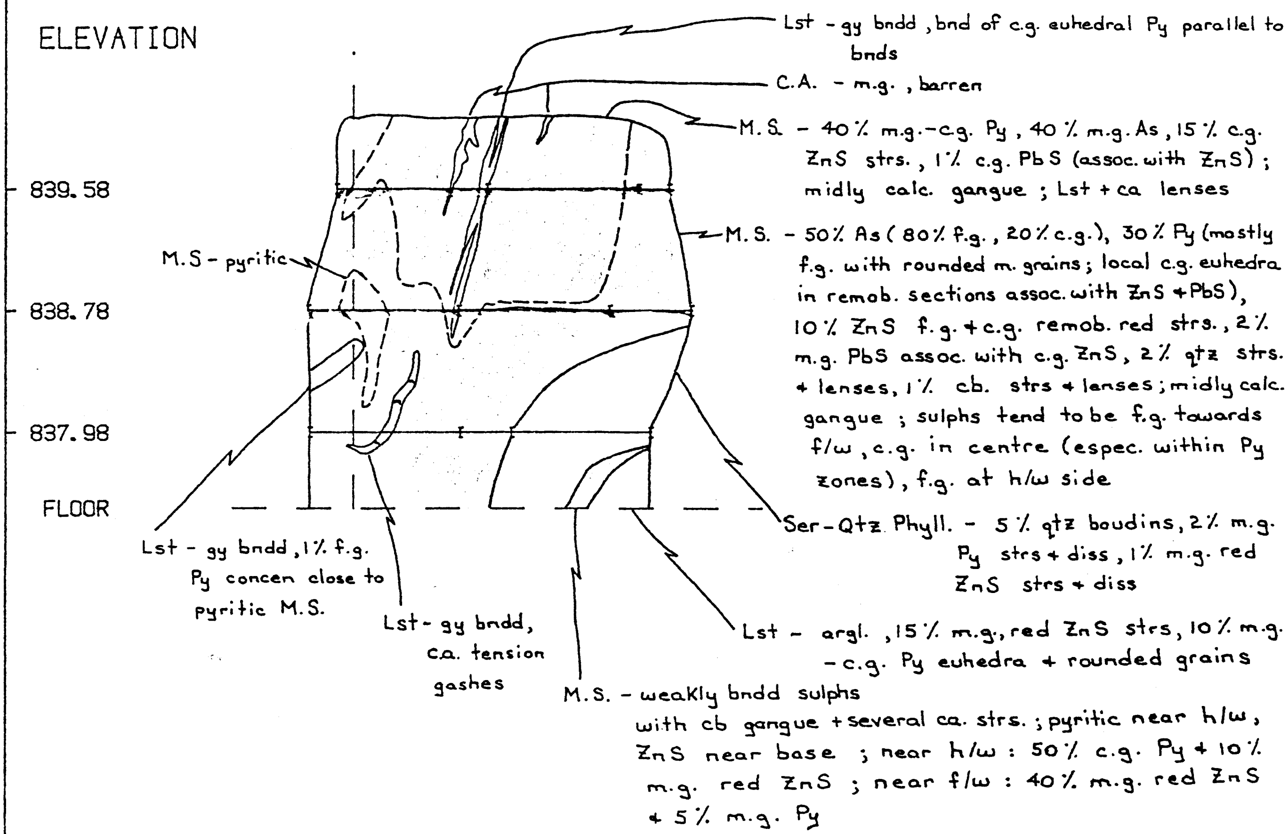
SAMPLE NUMBERS

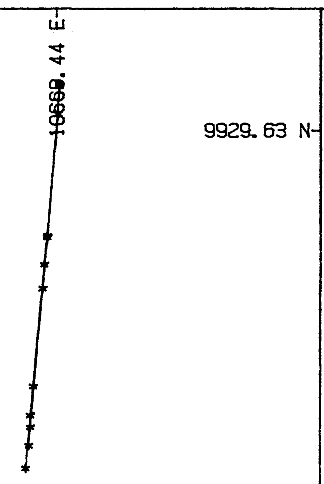


GEOLOGY CODES



GEOLOGY





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 141

10668.44 EAST

SCALE 1:50

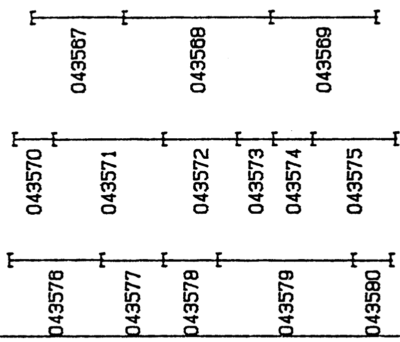
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

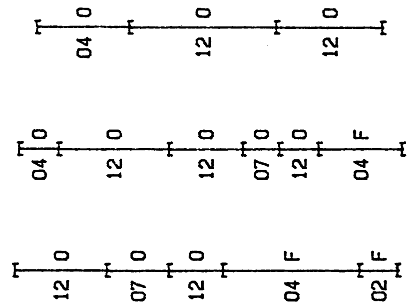
FACE# 142
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43567	.61	1.14	2.13	1.520	17.2	4.0
43568	.97	.64	1.74	10.300	19.2	14.4
43569	.70	2.17	3.84	9.360	45.2	22.0
43570	.26	1.60	.48	3.300	23.4	2.6
43571	.73	.51	.36	8.490	15.8	14.4
43572	.49	1.08	2.70	15.600	29.7	21.7
43573	.24	.17	.07	4.050	5.5	2.0
43574	.26	8.55	3.72	9.490	208.7	13.4
43575	.55	.36	.31	1.390	16.7	.7

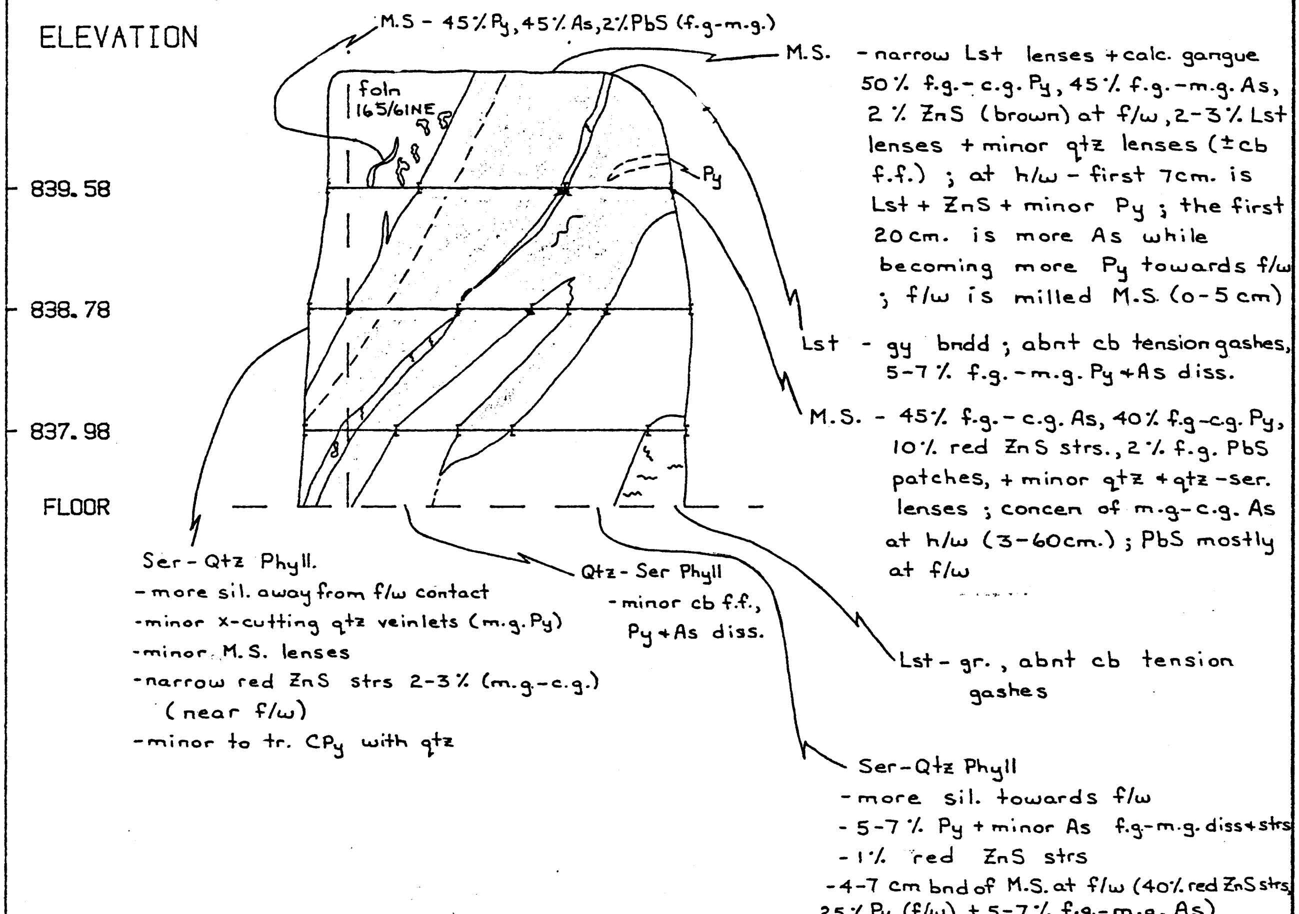
SAMPLE NUMBERS

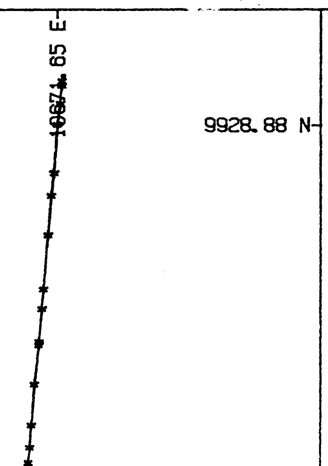


GEOLOGY CODES



GEOLOGY





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 142

10671.65 EAST

SCALE 1:50

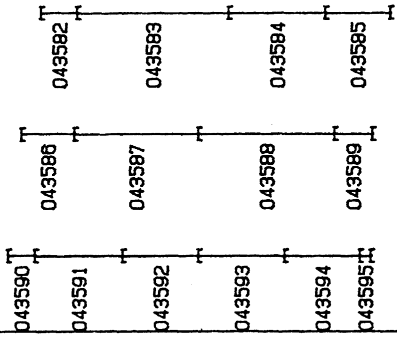
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

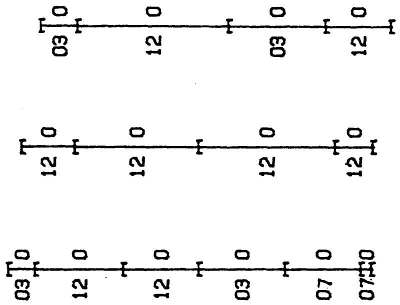
FACE# 143
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43582	.24	.10	.08	2.290	1.4	.7
43583	1.00	.42	.88	6.050	14.4	7.5
43584	.64	2.84	1.92	8.590	73.7	12.7
43585	.43	.57	1.74	21.900	19.5	18.2
43586	.35	1.39	1.30	7.130	34.2	7.6
43587	.82	.41	.60	22.200	14.5	23.0
43588	.90	.16	1.99	21.400	8.3	17.1
43589	.25	1.37	4.26	13.600	37.0	12.4

SAMPLE NUMBERS

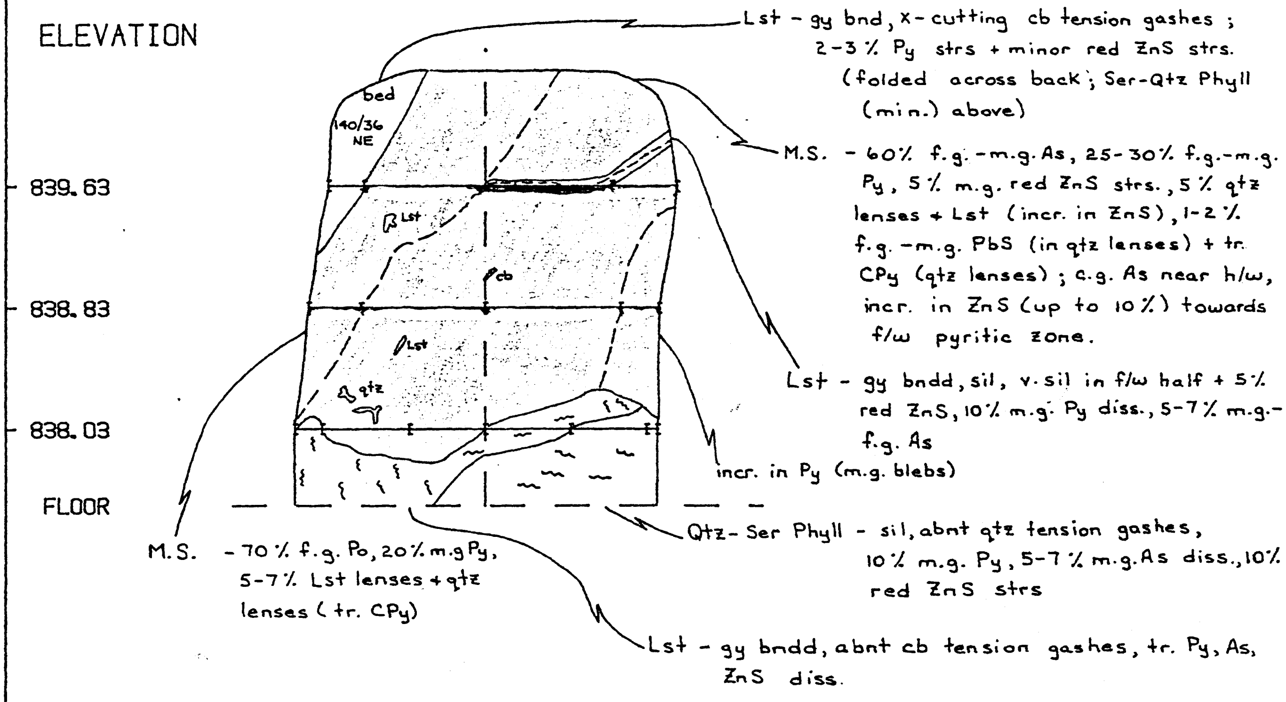


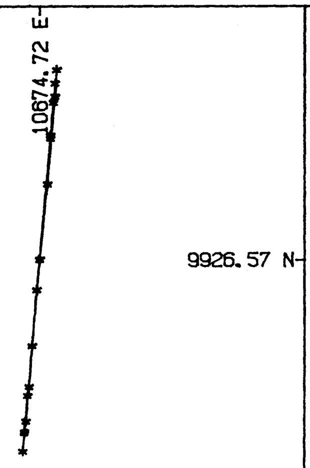
GEOLOGY CODES



GEOLOGY

ELEVATION





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 143

10674.72 EAST

SCALE 1:50

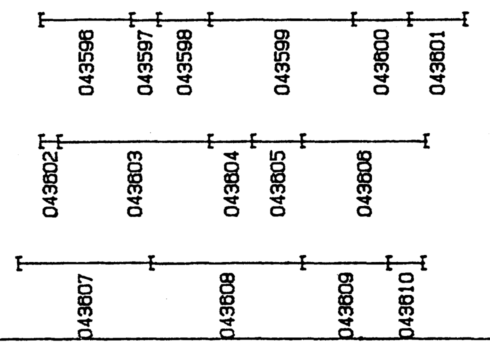
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

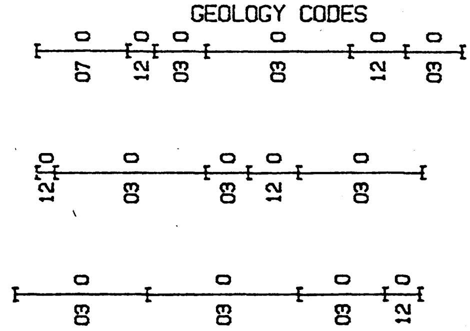
FACE# 144
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43596	.60	.09	.54	.939	2.4	1.0
43597	.18	.79	1.30	13.100	18.1	14.8
43598	.34	.10	.10	.523	1.8	.9
43599	.95	.06	.04	.272	.6	.1
43600	.37	.11	.06	1.540	82.9	1.4
43601	.37	1.63	2.39	3.830	62.0	7.2
43602	.12	.65	4.26	9.680	29.3	15.9
43603	1.00	.13	.28	.322	4.3	.5
43604	.28	.06	.02	1.010	.9	.5
43605	.32	.07	.03	6.840	6.8	8.3
43606	.82	.28	.44	.676	4.1	.7

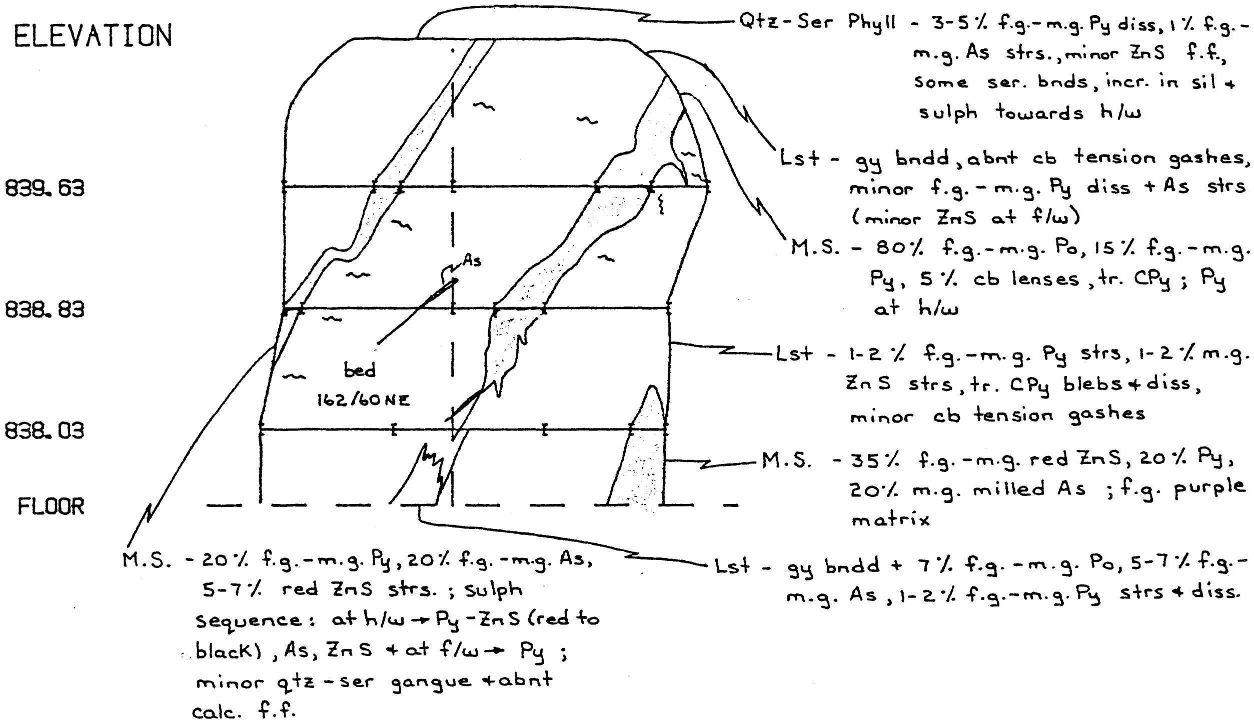
SAMPLE NUMBERS

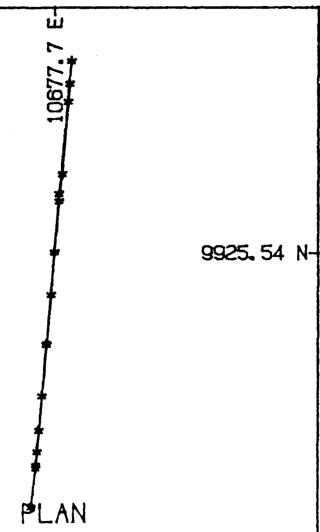


GEOLOGY CODES



GEOLOGY





BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 144

10677.7 EAST

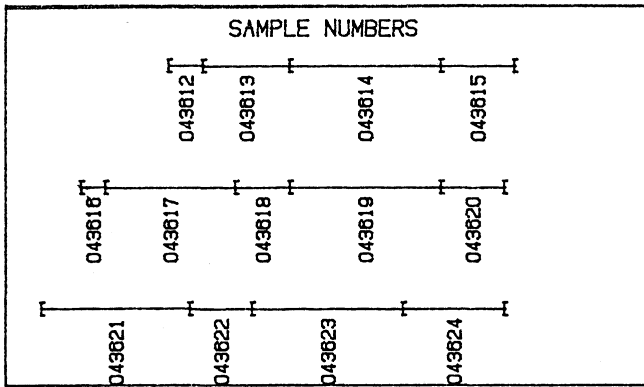
SCALE 1:50

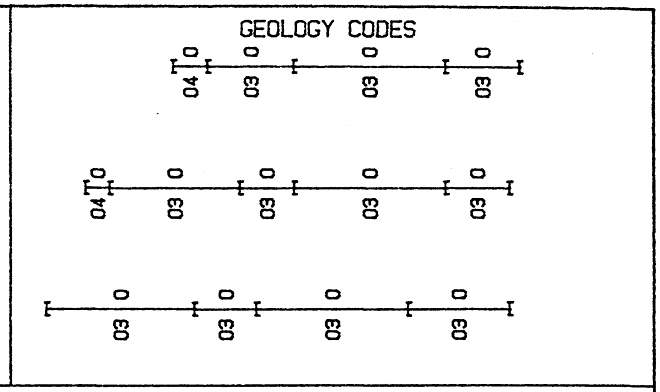
1 METER

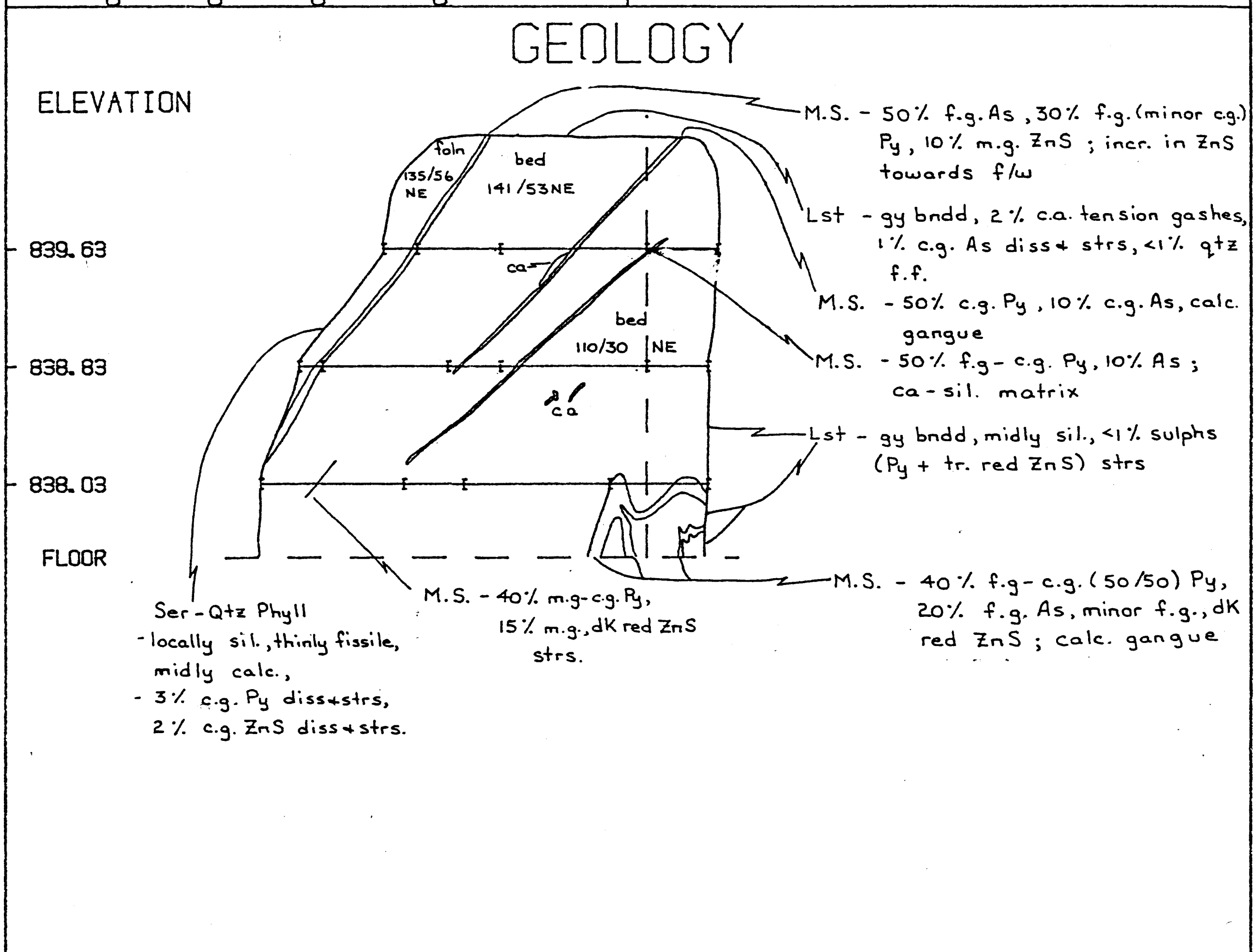
SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

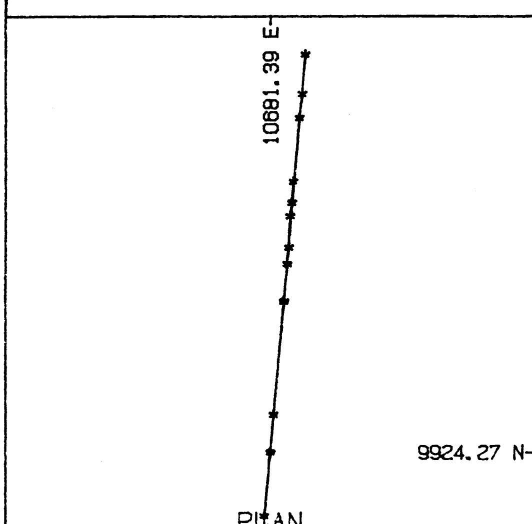
FACE# 145
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43612	.23	.06	.01	2.220	3.2	.6
43613	.57	.01	.01	.125	1.1	.3
43614	1.00	.93	.39	2.620	12.4	3.4
43615	.49	.19	.01	12.900	12.6	8.6
43616	.16	.29	.07	1.120	.3	1.1
43617	.86	.16	.13	1.840	3.9	2.9
43618	.36	.16	.68	1.680	6.1	2.1
43619	1.00	.34	.44	1.000	5.8	1.7
43620	.42	.06	.13	.061	1.7	.3









BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 145

10681.39 EAST

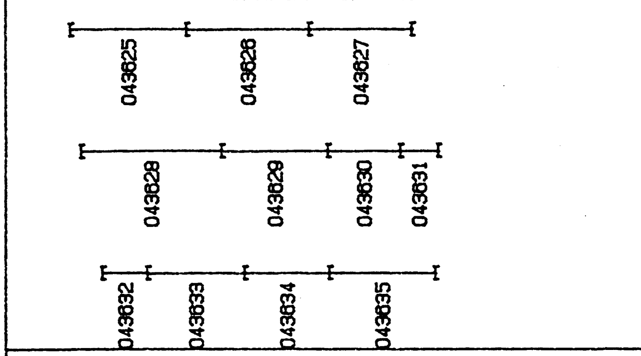
SCALE 1:50

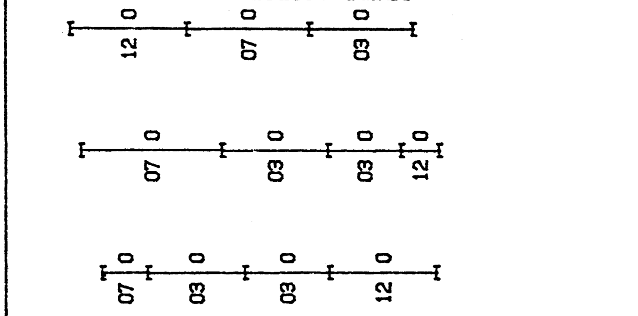
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

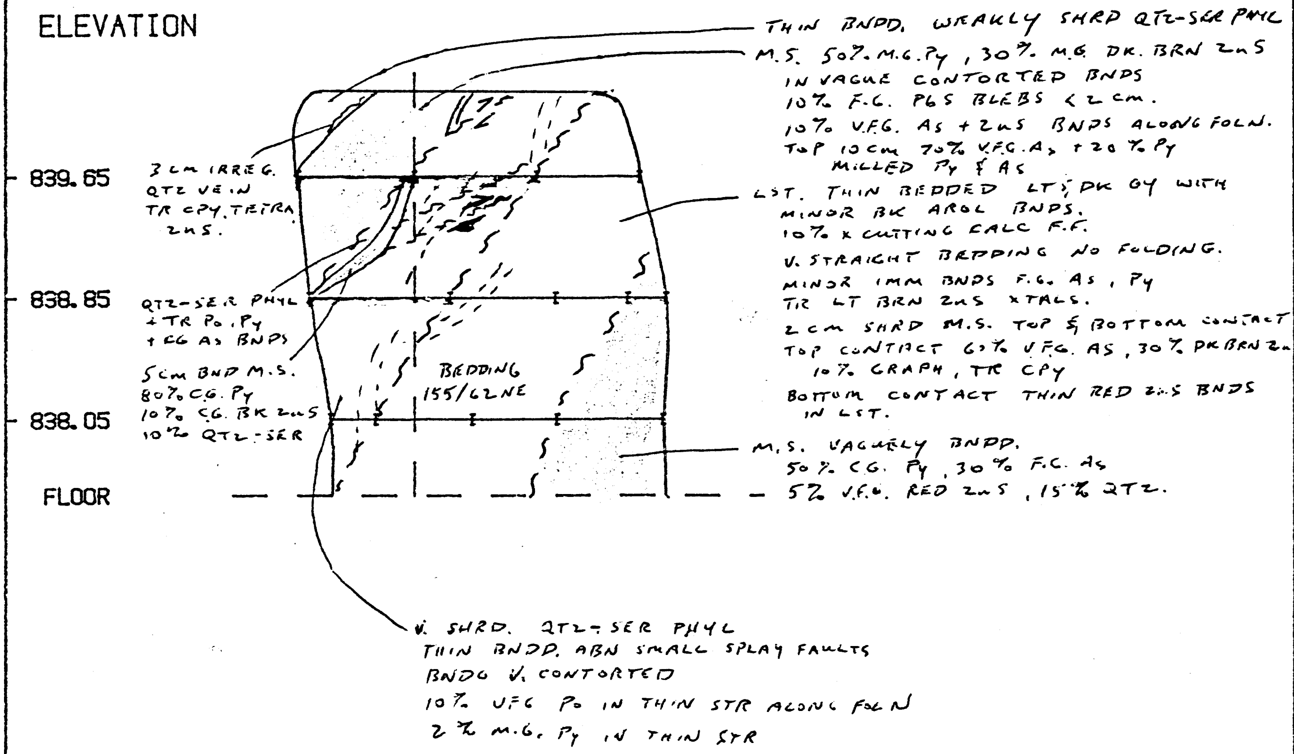
FACE# 146
****

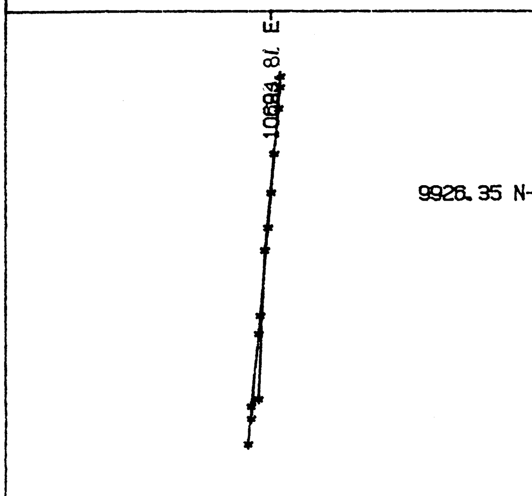
SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43625	.77	6.62	7.94	6.940	217.0	20.2
43626	.81	.23	.52	2.520	11.0	6.8
43627	.68	.48	.19	1.090	.8	1.2
43628	.93	.90	3.65	11.600	44.6	26.7
43629	.70	.03	.06	.315	.3	.5
43630	.48	.10	.11	.579	1.3	.7
43631	.25	1.51	.88	2.620	29.8	3.1





GEOLOGY





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 146

10684.8 EAST

SCALE 1:50

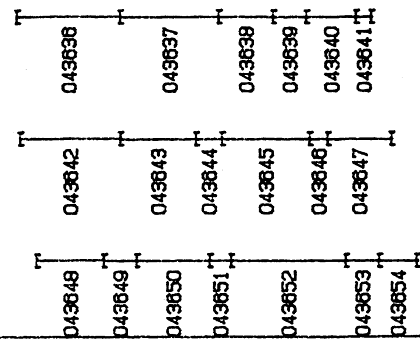
1 METRE

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

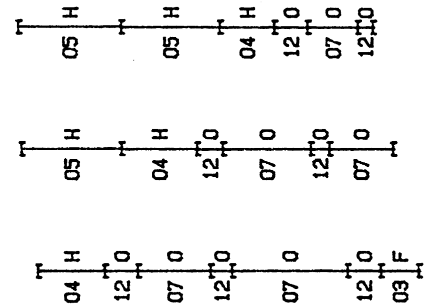
FACE# 147
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43636	.68	.01	.02	.139	4.5	.3
43637	.65	.01	.01	.052	3.8	.2
43638	.36	.01	.02	.011	4.8	.1
43639	.22	8.07	12.00	4.720	216.0	9.0
43640	.33	.10	.11	1.270	4.8	.1
43641	.10	.36	3.15	11.000	33.9	9.8
43642	.66	.01	.04	.143	5.1	.3
43643	.50	.05	.06	.101	5.8	.3
43644	.17	8.22	13.50	5.410	251.3	12.1
43645	.58	.10	.16	2.320	9.6	.7
43646	.12	.46	2.53	13.500	36.7	8.4
43647	.42	.04	.07	.189	4.5	.5

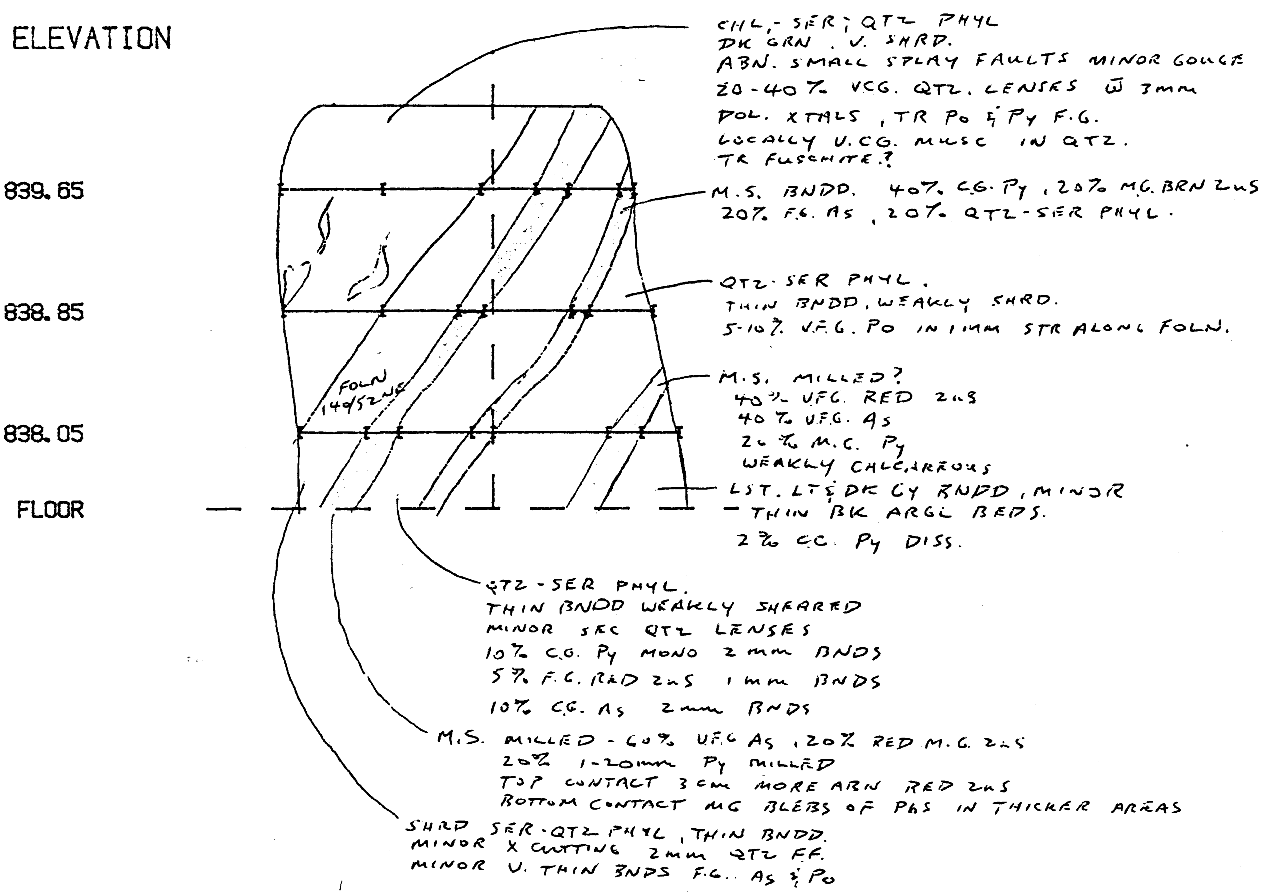
SAMPLE NUMBERS

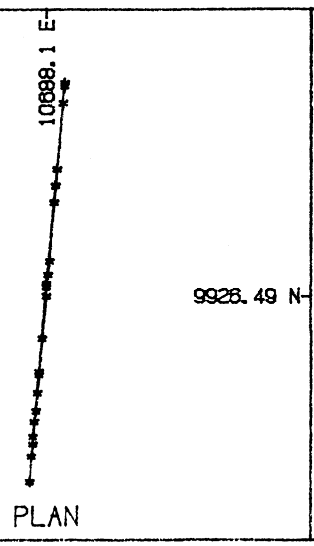


GEOLOGY CODES



GEOLOGY





BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 147

10688.1 EAST

SCALE 1:50

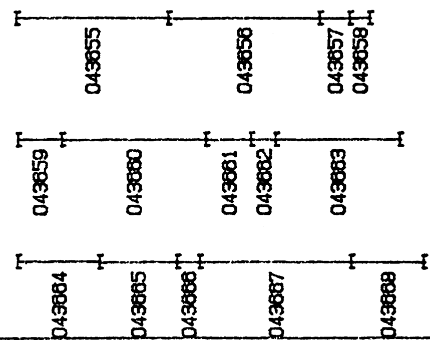
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

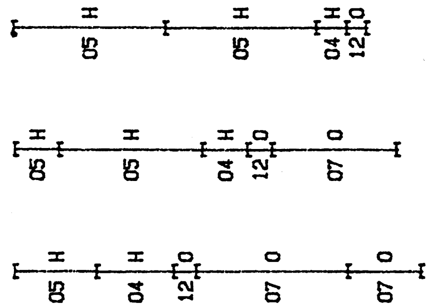
FACE# 148
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43655	1.00	.01	.03	.039	3.1	.2
43656	1.00	.01	.03	.069	6.2	.1
43657	.20	.02	.03	.062	4.5	.5
43658	.13	8.38	13.90	6.770	241.0	10.8
43659	.29	.06	.11	.034	5.5	.1
43660	.95	.01	.02	.024	4.1	.1
43661	.30	.01	.01	.060	3.1	.3
43662	.16	8.39	11.30	10.900	196.8	17.7
43663	.82	.23	.38	.198	11.0	.8

SAMPLE NUMBERS

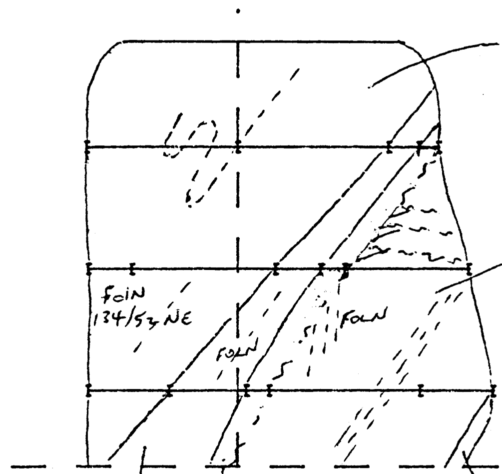


GEOLOGY CODES



GEOLOGY

ELEVATION



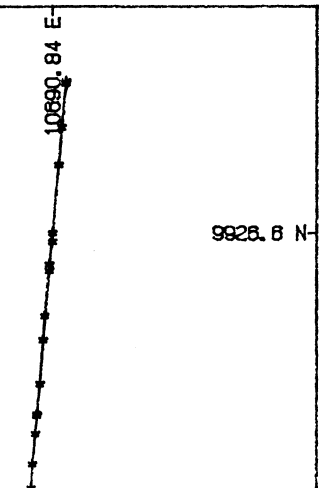
CHL - SER - QTZ PHYL.
DK. GRN. , THIN BNDD.
WEAKLY SHRD.
TR DISS C.G. Py
10% SMALL QTZ. LENSES
TR Po F.G.
V. STEEPLY DIPPING ISOCLINAL
FOLD WITH 50% C.G. QTZ LENSES IN NOSE

QTZ - SER PHYL
MED. BNDD , LOCALLY V. FOLDED
ABN. SMALL CROSS FAULTS THICKEN
SULFIDES OF UNIT ABOVE WITH
COARSER RECRYSTALLIZED As + ZnS
TOP CONTACT FAULTED CUTTING FOLN
TR CPy NEAR TOP CONTACT IN F.F.
CENTER OF UNIT A FEW THIN RED ZnS
STR ALONG FOLN.
20r 50 cm 3% F.G. Po & 3% C.G. Py STR.

M.S. MILLED?
60% VFG ZnS + 40% VFG AS TR Py

M.S. MILLED 70% VFG. As
20% 1mm ROUND Py + SEVERAL 1cm ROUND Py
10% ROUND QTZ
BOTTOM CONTACT FAULTED TOP CONTACT?
SEVERAL LENSES OF C.G. RECRYSTALLIZED As
ALONG BOTH TOP & BOTTOM CONTACT

SER - QTZ PHYL
V. SHRD & FISSILE
ALMOST GOUGE
MINOR SEC. QTZ



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 148

10690.84 EAST

SCALE 1:50

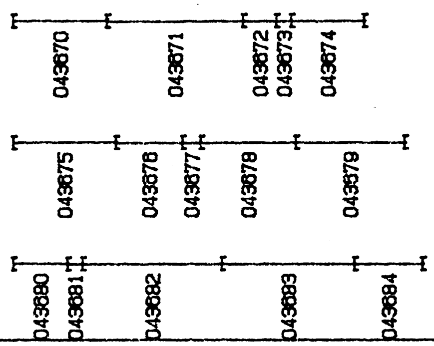
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

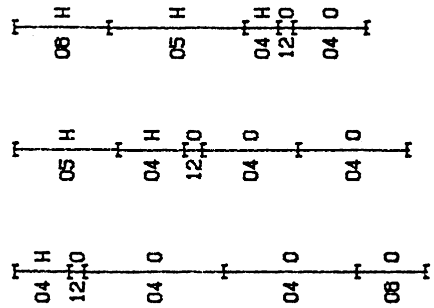
FACE# 149
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43670	.62	.01	.01	.014	.3	.1
43671	.90	.01	.01	.063	.3	.3
43672	.22	.01	.01	.004	.5	.2
43673	.10	7.09	10.40	20.000	202.0	16.0
43674	.48	.11	.15	.326	7.3	.2
43675	.68	.04	.04	.162	5.2	.3
43676	.44	.06	.05	.155	3.1	.3
43677	.12	8.97	14.50	5.340	270.4	12.7
43678	.63	.11	.15	.320	5.2	.3
43679	.72	.05	.10	.031	7.5	.1

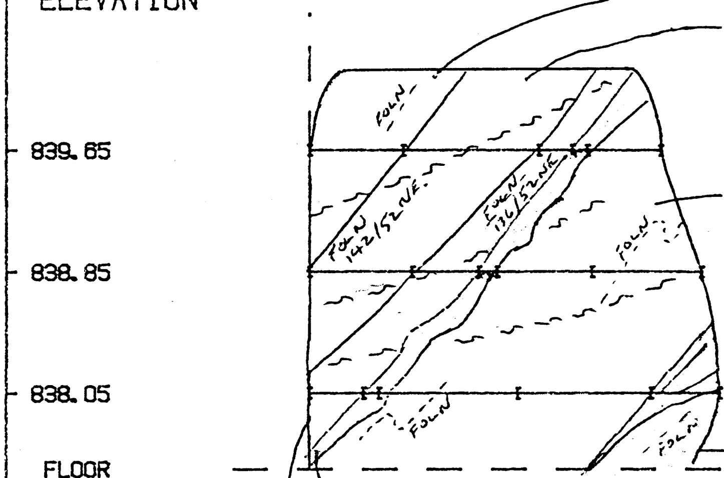
SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY



QTE GY → LT GRN MINOR SER.
MED. BNDD. TR DISS. C.G. Py

CHL-SER-QTZ PHYL.
DK GRN., THIN BNDD.
V. FISSILE
2% FG. Po & M.G. AS IN V. THIN STR.
ALONG FOLN.
5% QTZ LENSES ALONG FOLN TR Py & TETRA?
ABN SMALL X FAULTS 1-3mm GOUGE
IRREG FOLN DRAGGED BY SMALL FAULTS

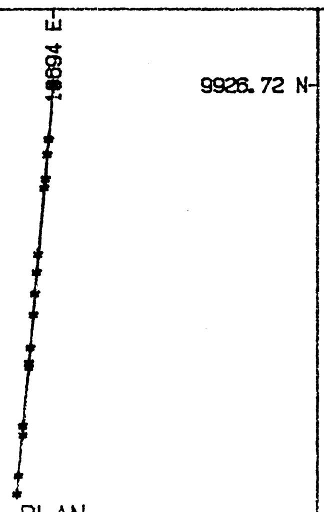
SER-QTZ PHYL.
MED BNDD. LOCALLY SHRD.
5% CG Py + 5% F.G. Po TOGETHER IN
3-5 mm STR. ALONG FOLN - MORE ABN
TOWARDS TOP OF UNIT
TR ZnS, AS DISS
ABN MINOR FOLDING OF FOLN

DK GY QTE + MINOR DISS F.G. Py IN
CORE OF SMALL FOLD
80% DK GY QTE + 10% MG. Py & 10%
RED ZnS WEAKLY BNDD IN FOLD LIMBS

SER-QTZ PHYL 5% P- F.G. + 5% MG Py STR

M.S. MILLED. 50% VFG. AS + 10% CG AS
15% Py 3-10mm ROUNDED + 5% CG Py
15% BK. ZnS BNDS., 3% MG. PbS, 2% ROUND QTZ EYES
VAGUE ZONING - TOP ABN THIN Py & AS BNDS
MIDDLE MILLED AS + Py
BOTTOM C.G. AS LENSES + QTZ EYES
JUST ABOVE CG AS. OBSERVE THIN BND OF BK ZnS
SMALL X FAULTS THICKEN THE SULFIDES (CG AS)

SER-QTZ PHYL. THIN BNDD.
WEAKLY FISSILE & SHRD.
NO SULFIDES
MINOR THIN SEC QTZ LENSES ALONG FOLN.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 149

10694 EAST

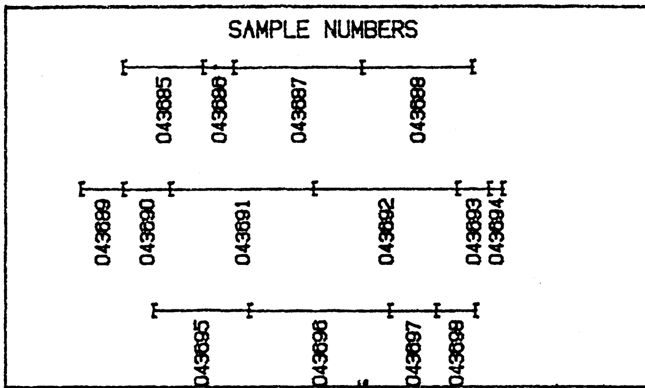
SCALE 1:50

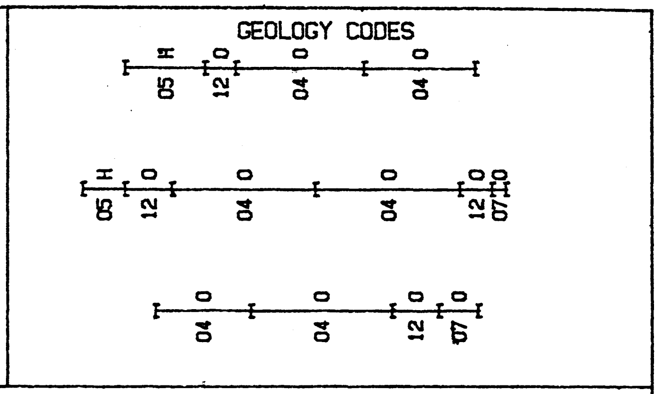
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

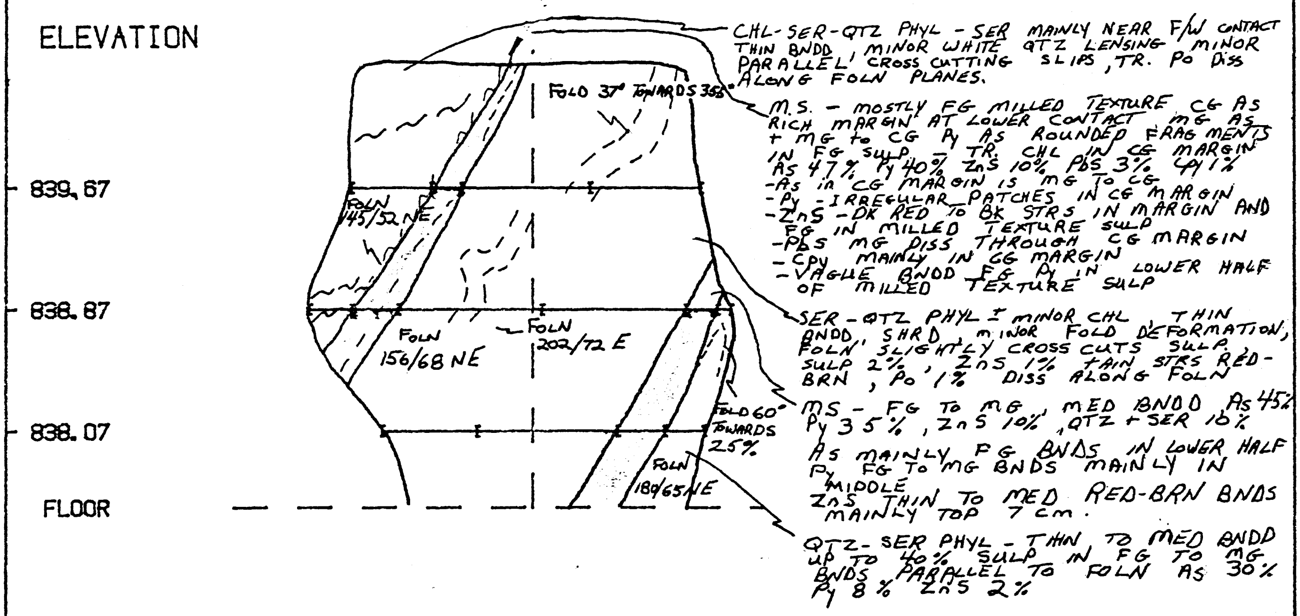
FACE# 150
****

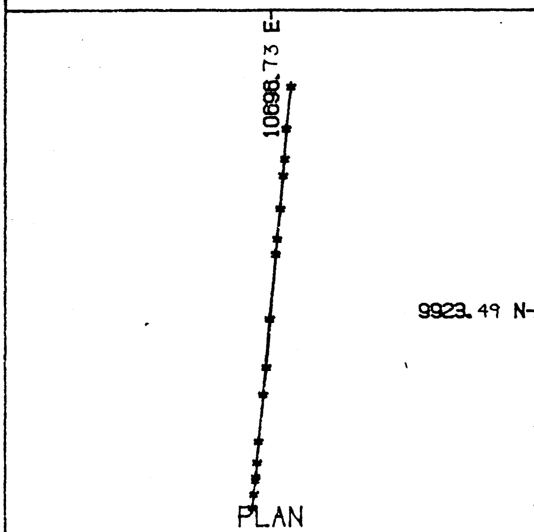
SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43685	.53	.01	.02	.120	.3	.2
43686	.20	8.27	12.00	7.040	228.3	11.0
43687	.85	.91	1.70	.180	33.1	.5
43688	.73	.06	.06	.078	7.2	.3
43689	.28	.01	.02	.106	.3	.3
43690	.31	7.88	12.00	9.340	211.9	8.2
43691	.95	.10	.14	.157	3.8	.3
43692	.95	.01	.02	.033	.3	.2
43693	.21	.70	1.35	8.630	35.9	6.6
43694	.09	.58	.72	4.160	27.6	2.6





GEOLOGY





BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 150

10696.73 EAST

SCALE 1:50

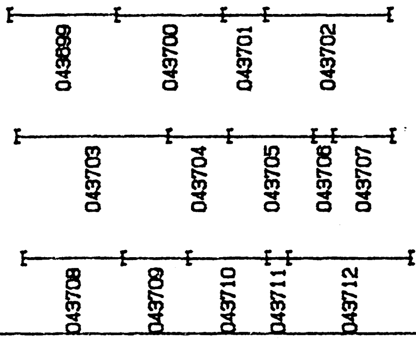
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

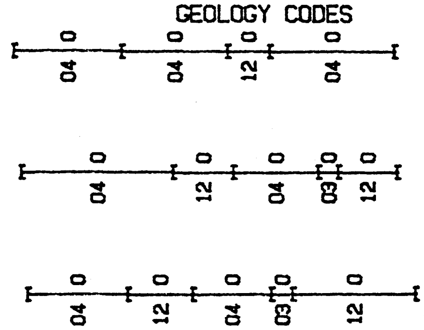
FACE# 151
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43699	.71	.09	.06	.156	.5	.2
43700	.70	.01	.01	.378	.3	.1
43701	.28	1.92	2.80	5.580	92.0	8.1
43702	.82	.04	.04	.094	1.0	.4
43703	1.00	.01	.01	.032	.3	.1
43704	.40	2.93	3.50	17.400	103.2	22.3
43705	.56	.11	.08	.555	4.8	.7
43706	.13	.07	.05	.135	3.1	.3
43707	.39	4.12	7.40	6.970	68.2	10.6

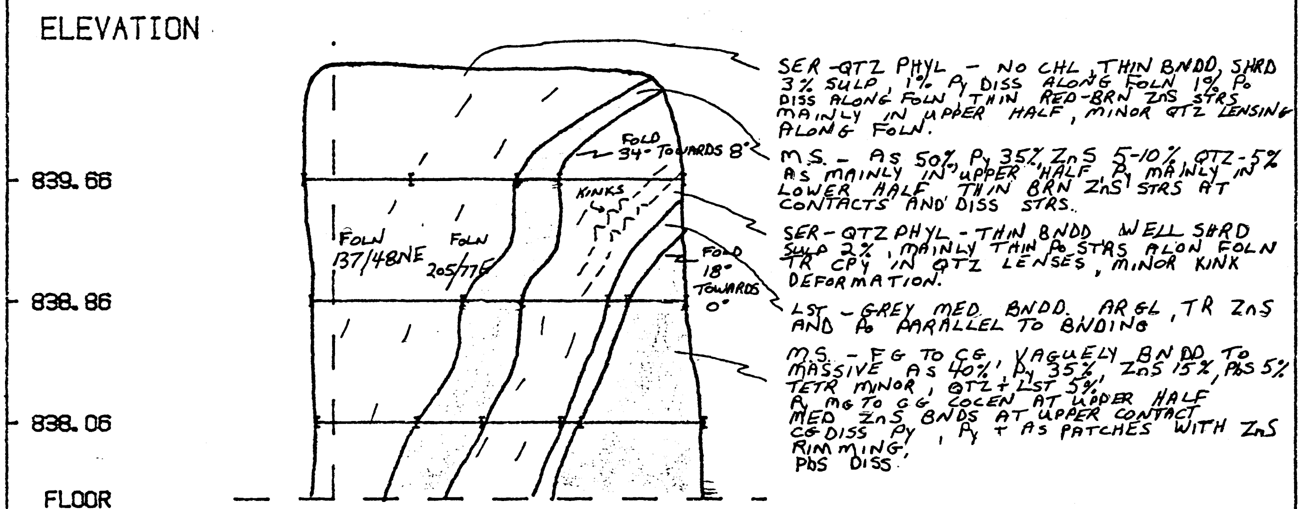
SAMPLE NUMBERS

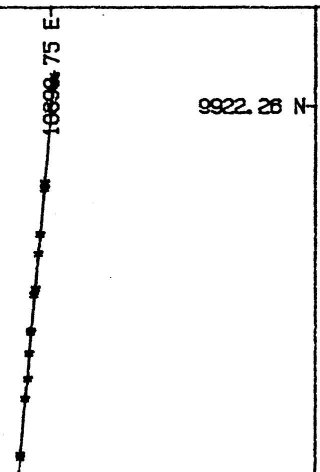


GEOLOGY CODES



GEOLOGY





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 151

10699.75 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

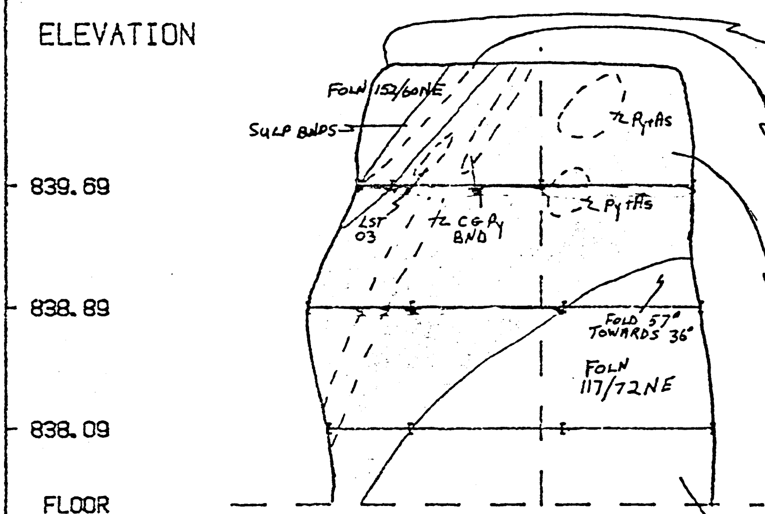
FACE# 152
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43714	.23	2.86	3.30	4.440	54.2	6.8
43715	.98	.90	3.10	13.300	75.7	15.5
43716	1.00	.70	4.50	18.000	22.9	20.3
43717	.69	2.50	5.20	12.600	81.5	15.2
43718	1.00	.50	4.70	15.200	28.1	14.4
43719	.90	.05	.26	.528	.3	.2

SAMPLE NUMBERS		
043714	043715	043716
043717	043718	043719
043720	043721	043722

GEOLOGY CODES		
03 0	12 0	12 0
12 0	12 0	02 F
12 0	02 F	02 F

GEOLOGY

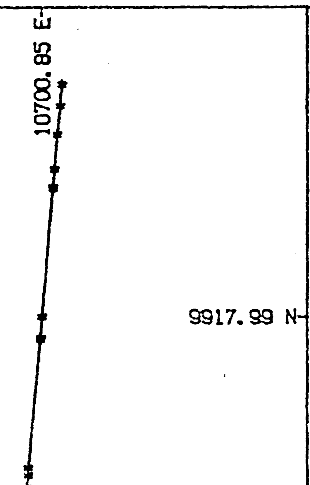


SER-QTZ [illegible]IL - THIN BNDD, SHRD BECOMES MORE SHRD AT FW CONTACT, 2% SULP - MAINLY THIN DISS Po STRS

LST - THIN TO MED GREY BNDD, UP TO 45% INTERBNDD SULP AT UPPER HALF, ZnS 20%, Py 15%, As 5%, ZnS BRN, FG AT H/W CONTACT, Py + As FG BNDS AT LOWER HALF OF SULP.

M.S. - FG TO CG, VAGUELY BNDD TO WELL BNDD
As 45% Py 30% ZnS 10% PbS 5% LST GANGUE 10%, INTERBNDD MONO BNDS OF FG BRN TO RED ZnS, FG TO MG As, MG TO CG As, Py + As ALSO IN IRREGULAR PATCHES WITH OCCASIONAL ZnS RIMS.

LST - DK ARGL WITH WHITE MG TO CG CALCITE SWEATOUTS, VERY GRAPHITIC MAINLY ON FOLN PLANES 2% SULP, MAINLY FG BRN WISPY ZnS BNDS, MG DISS Py, BECOMES MORE GREY BNDD AT UPPER CONTACT



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 152

10700.85 EAST

SCALE 1:50

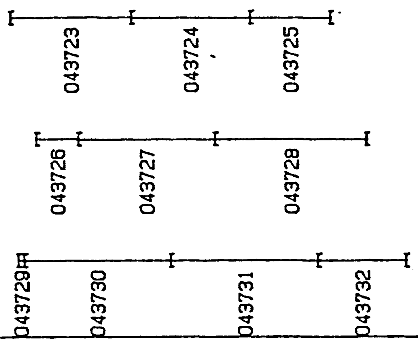
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

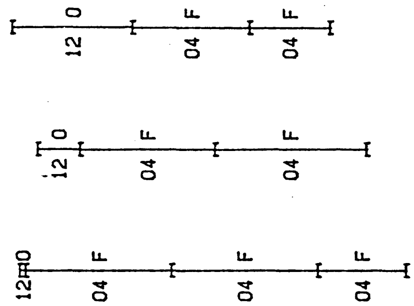
FACE# 153
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43723	.80	.90	2.40	8.080	30.8	4.2
43724	.78	.08	.04	2.190	1.3	.7
43725	.53	.02	.02	.753	2.4	.3
43726	.28	1.68	10.70	11.500	54.7	10.4
43727	.90	.05	.11	1.470	8.1	.8
43728	1.00	.01	.04	.094	2.6	.2

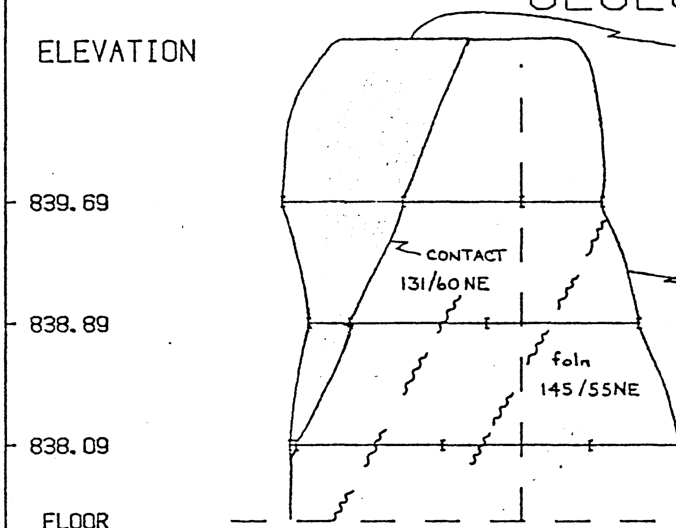
SAMPLE NUMBERS



GEOLOGY CODES

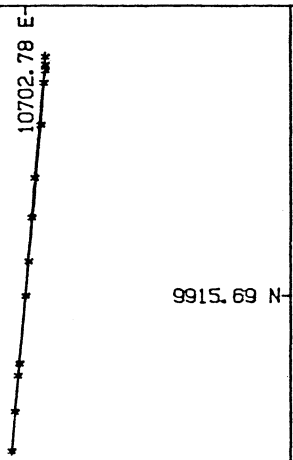


GEOLOGY



M.S. - 45% As, 30% Py, 20% ZnS, 5% PbS, 25-35% Lst
- sulphs massive at bottom + interbndd with Lst (o2) at top chip level
- sulph. in wispy bnds and massive : Py patches, brown ZnS + f.g. As bnds ; PbS f.g. + diss. ; Lst interbndd dK, grey argl. , gr. along foln.

Ser - Qtz Phyll - thinnly bndd, shrd
- 7% sulph : 4% f.g. diss As bnds, 1% m.g. diss. Py, 1% mono ZnS bnds
- sulphs mainly within upper meter ; below is thinnly bndd with tr. chl
- minor diss. Po smeared along foln.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 153

10702.78 EAST

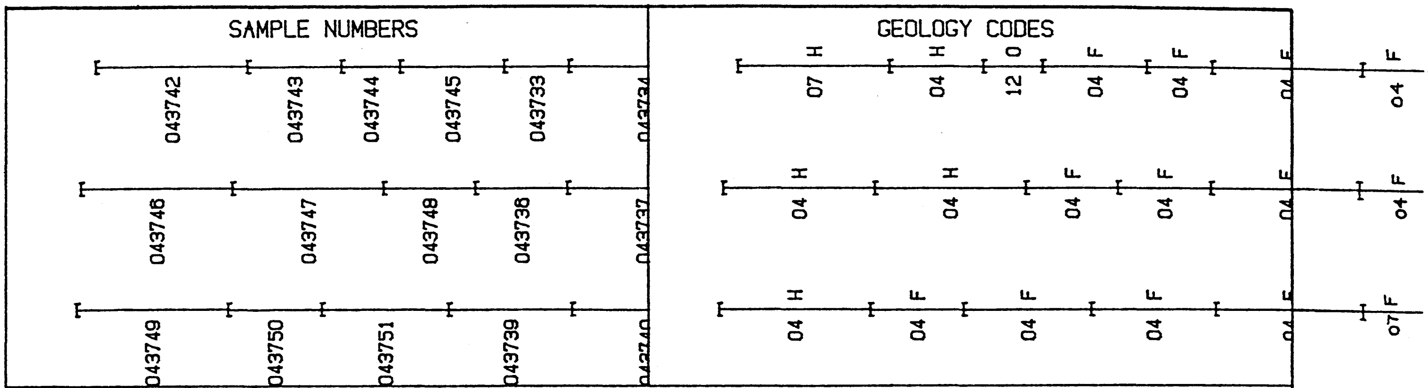
SCALE 1:50

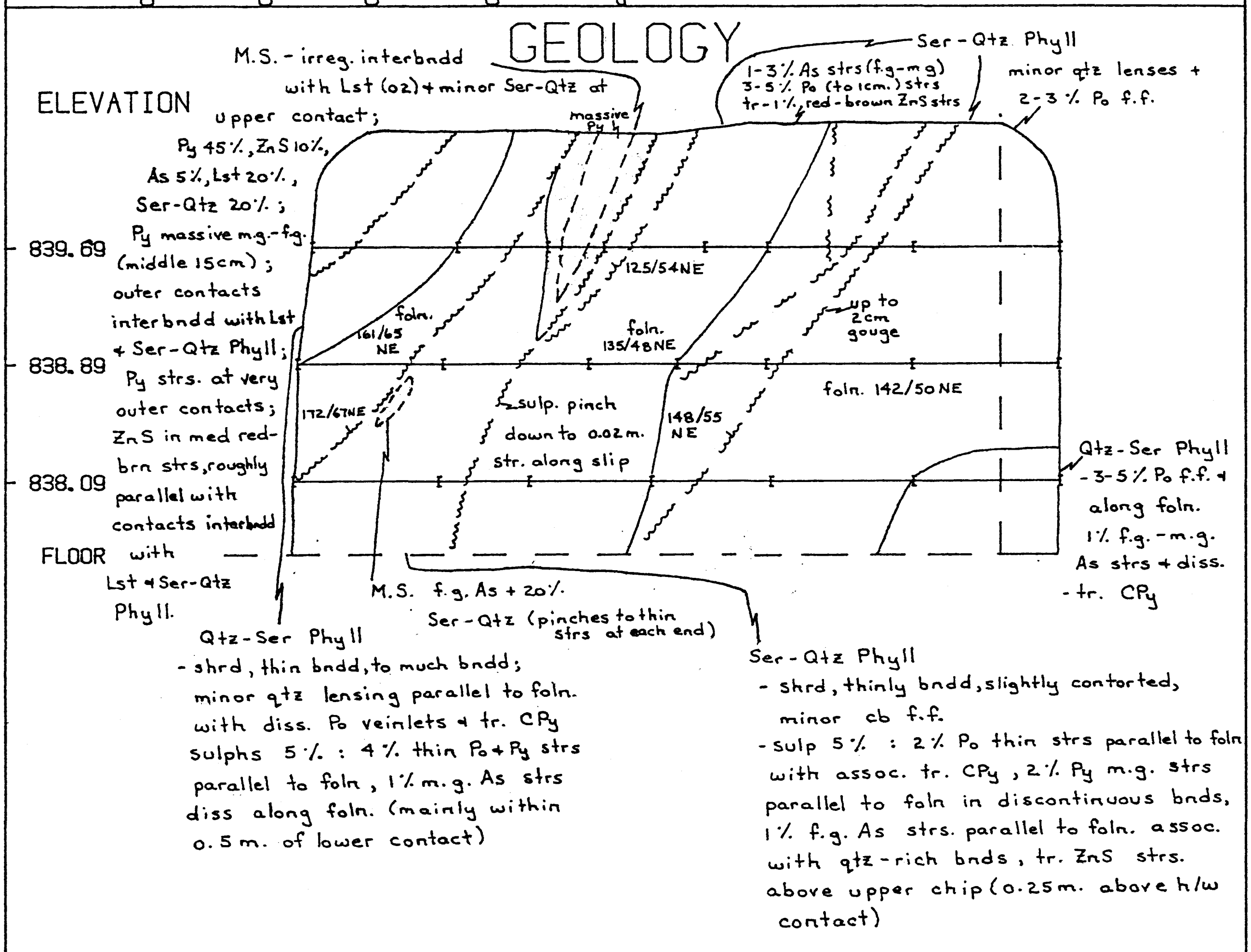
1 METER

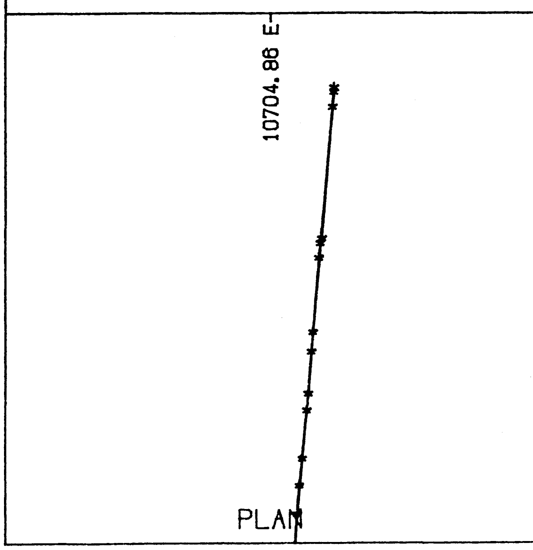
SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

FACE# 154
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43733	.43	.01	.01	.414	5.2	.3
43734	1.00	.01	.01	.325	2.1	.6
43735	1.00	.01	.01	.054	3.2	.2
43736	.61	.01	.01	.247	.3	.4
43737	1.00	.01	.01	.214	.4	.3
43738	1.00	.01	.01	.011	2.6	.1
43742	1.00	.01	.01	.054	3.3	.1
43743	.62	.06	.09	1.420	7.8	1.8
43744	.39	.32	2.25	1.660	20.5	2.0
43745	.69	.24	.07	4.540	7.2	3.8
43746	1.00	.01	.01	1.000	1.4	.3
43747	1.00	.03	.03	1.180	4.7	.8
43748	.61	.01	.01	1.010	2.0	.7







BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 154

10704.86 EAST

SCALE 1:50

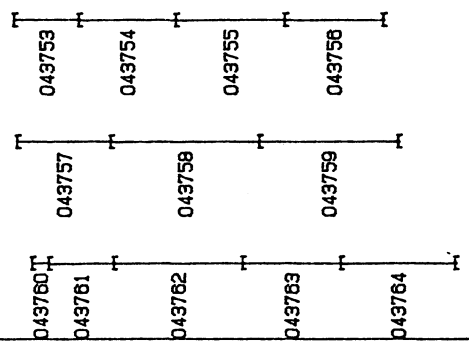
1 METER

SELCO DIV. - BP RESOURCES J & I. PROJECT, B.C.

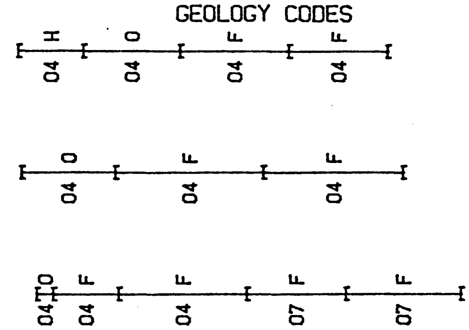
FACE# 155
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43753	.43	.24	.27	2.740	10.9	1.4
43754	.64	1.17	1.22	2.880	25.5	3.3
43755	.72	.04	.02	1.930	.3	.6
43756	.65	.01	.01	.264	.3	.8
43757	.62	.65	1.02	4.240	19.1	3.5
43758	.98	.02	.01	1.090	2.4	.3
43759	.92	.01	.01	.140	16.7	.4

SAMPLE NUMBERS

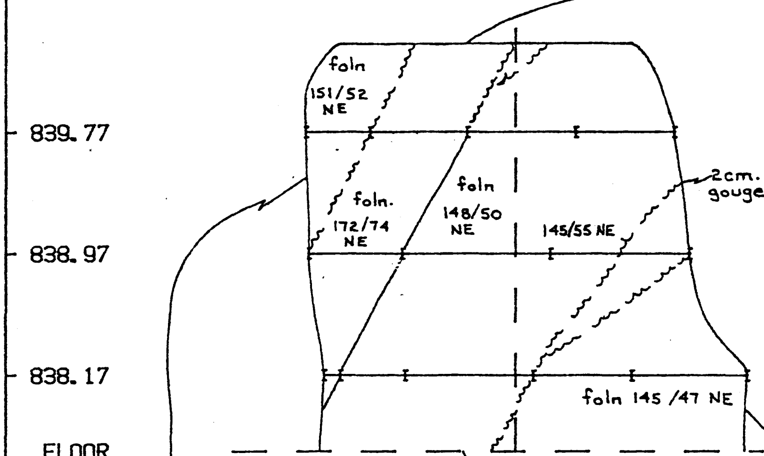


GEOLOGY CODES



GEOLOGY

ELEVATION

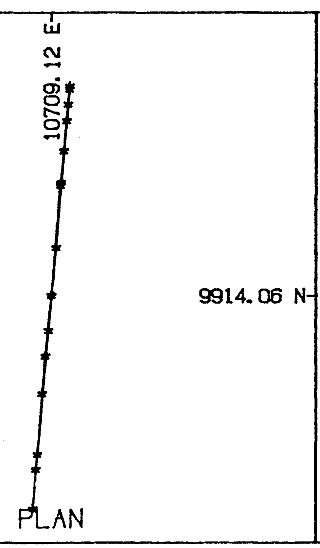


Ser.-Qtz Phyll - thin bndd, slightly contorted,
- sulph up to 15%; one M.S. (4cm. wide) at f/w contact (v.f.g. ZnS 55%, As 40%, Py 5%) with brn. ZnS concen. at margins
- diss + strs. throughout (As 8%, Py 7%, ZnS tr.)
- As discontinuous f.g. mono bnds (up to 2 cm. wide)
- Py f.g.-m.g. thin discontinuous mono strs (parallel to foln.) ZnS v. thin dK. red strs. within As bnds ; 2cm. wide bnd at upper contact
- f.g., dK. contorted qtz assoc. with sulph.

Qtz-Ser Phyll - buff colour, locally sil., thin to med. bndd; med bndd qtz boudins stretched along foln
- 2% sulp - mainly Po, smeared along foln
- 1% thin, f.g. As + Py strs, parallel to foln.

Ser-Qtz Phyll
thin to med bndd
- very few qtz lenses (along foln)
- 8% sulph (Py 5%, As 3%)
- Py f.g.-m.g. diss. strs. (along foln.) As f.g. discontinuous bnds (up to 3cm. wide) parallel to foln.

Ser-Qtz Phyll
- thin to med bndd
- qtz lensing parallel to foln
- sulph 5% (Py 2%, Po 2%, As 1%)
- Py m.g. diss, thin str. along foln. Po thin f.g. strs along foln + smeared on foln. As mainly within 20 cm. of h/w contact, f.g.-m.g. ; most strs. up to 1.5 cm. wide



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 155

10709.12 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

FACE# 156
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43765	.25	2.28	3.15	13.700	61.9	19.7
43766	.48	.09	.06	1.790	.3	.4
43767	.87	.01	.01	.439	.3	.8
43768	1.00	.01	.01	.339	1.2	.2
43769	.09	5.94	10.70	7.460	145.9	13.1
43770	.37	.12	.16	1.990	2.7	.7
43771	.58	.01	.02	.359	.3	.6
43772	1.00	.02	.03	.851	.3	.3
43773	1.00	.03	.06	.744	1.0	.7

SAMPLE NUMBERS

043765 043766 043767 043768

043769 043770 043771 043772 043773

043774 043775 043776

GEOLOGY CODES

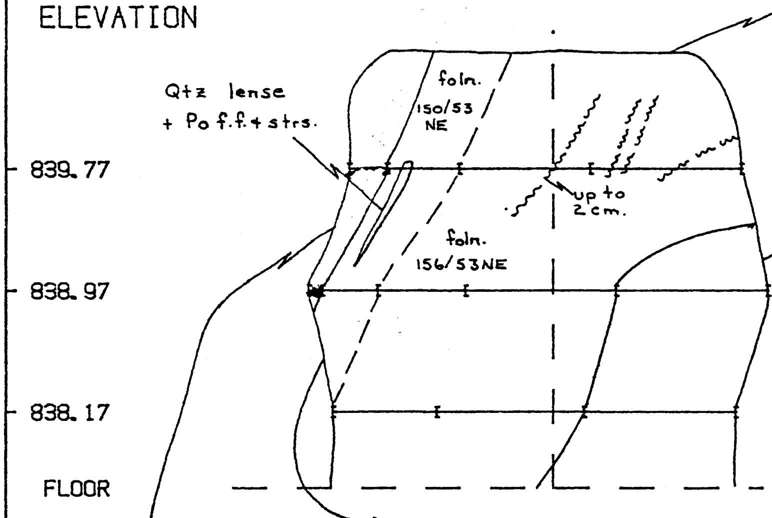
12 O 04 F 04 F 04 F

12 O 04 F 04 F 04 F 07 F

04 F 04 F 07 F

GEOLOGY

ELEVATION

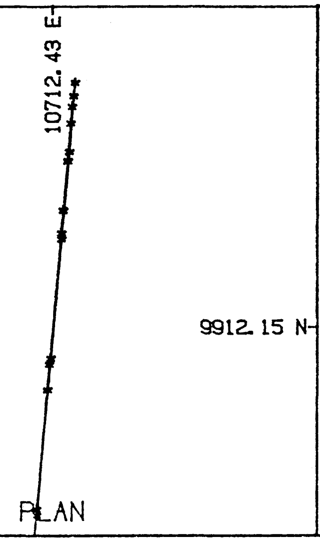


Ser-Qtz Phyll - shrd, numerous slips
- minor qtz lenses
- Py strs 3-5%, As strs 2%, Po strs. 2% (assoc. with qtz lenses)
- more sil. towards f/w

Qtz-Ser Phyll - minor lt. Qte discont. bnds + qtz lenses
Po strs 3-5%,
Py strs 2%, As strs 1%, tr.-1% dK. red ZnS strs.
- incr. in lt. Qte material towards f/w

M.S.
- 50% f.g.-m.g. Py, 40% f.g. As, 10% red ZnS + qtz + ser gangue; tr. CPy in qtz gangue
- wispy irreg. As bnds
- ZnS concen. at h/w
- pinch + swell of M.S. along str.

Ser-Qtz Phyll
- shrd
- 5-7% Py strs + diss (f.g.-m.g.), 2-3% As strs (up to 2 cm.) + tr - 1% red ZnS strs
- minor qtz lenses



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 156

10712.43 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

FACE# 157
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43784	.21	1.33	3.36	9.090	43.8	9.0
43785	.66	.03	.03	.415	7.1	.4
43786	1.00	.05	.01	.993	10.5	.5
43787	.66	.11	.06	.438	7.1	.4
43788	.22	.03	.01	.972	2.4	.7
43789	.96	.01	.01	.807	5.8	.4
43790	.60	.04	.05	.262	10.7	.3
43791	.86	.01	.01	.148	8.0	.2

SAMPLE NUMBERS

043784 043785 043786 043787

043788 043789 043790 043791

043792 043793 043794 043795

GEOLOGY CODES

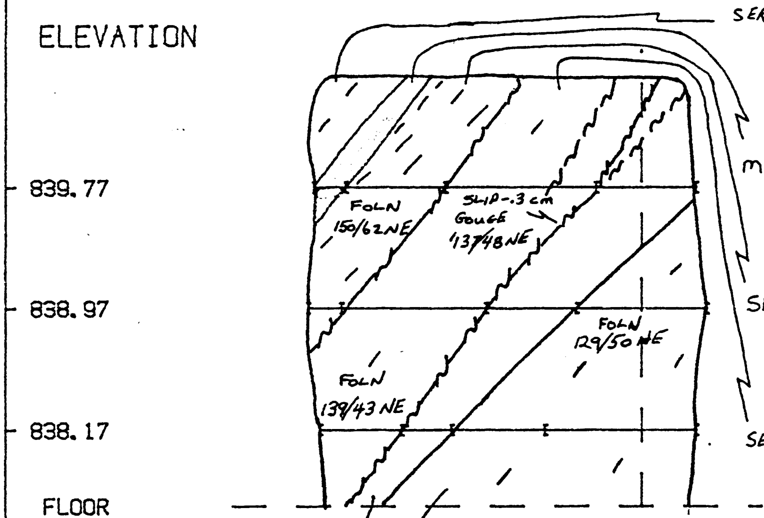
12 O, 04 F, 04 F, 04 F

04 F, 04 F, 04 F, 06 F

04 F, 04 F, 08 F, 06 F

GEOLOGY

ELEVATION



SER-QTZ-CHL PHYL - THIN TO MED BNDD, MINOR DK QTZ LENSES PARALLEL WITH FOLN., SULP 10% TO 15%, As 8% FG TO MG DISCONTINUOUS STRS PARALLEL TO FOLN., Py 7% MG TO CG STRS

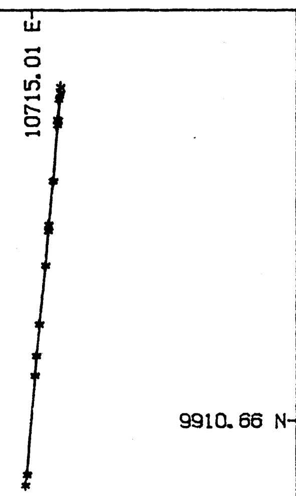
MS - V.F.G. WITHOUT ROUNDED Py OR As GRAINS Py 50%, As 45%, ZnS 5%
- H/W MARGIN 1 cm WIDE MG As BND.
- MINOR DK FG QTZ PARALLEL WITH FOLN.

SER-QTZ-CHL PHYL - THIN BNDD, WHITE QTZ LENSES ALONG FOLN., SULP 1%, THIN Po STRS PARALLEL TO FOLN WITH TR CPY IN QTZ LENSES, TR As IN QTZ LENSES

SER-QTZ PHYL - SHRD, THIN TO MED BNDD, MINOR WHITE QTZ LENSES ALONG FOLN., SULP 5%, MAINLY WITHIN 0.3 METERS OF F/W CONTACT As 3% MG TO CG MONO BNDS WITH QTZ GANGUE DISCONTINUOUS ALONG FOLN, Py 2% FG TO MG DISS ALONG FOLN, Po Tr

SER PHYL - WELL SHRD, MINOR QTZ, MINOR WHITE QTZ LENSES ALONG FOLN SULP 2%, MAINLY THIN Po + FG As STRS DISCONTINUOUS ALONG FOLN, TR THIN DK RED ZnS STRS PARALLEL TO FOLN.

QTE - MED BNDD WITH THIN SER BNDS (UP TO 30%) ON FOLN PLANES, THIN WHITE CROSS CUTTING WHITE QTZ BOUDINS., SULP 3% - Py 2% CG DISS, As 1% MG DISCONTINUOUS BNDS ALONG FOLN Po TR SMEARED ON FOLN PLANES, ZnS TR THIN MONO DK RED BNDS AT H/W CONTACT



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 157

10715.01 EAST

SCALE 1:50

1 METER

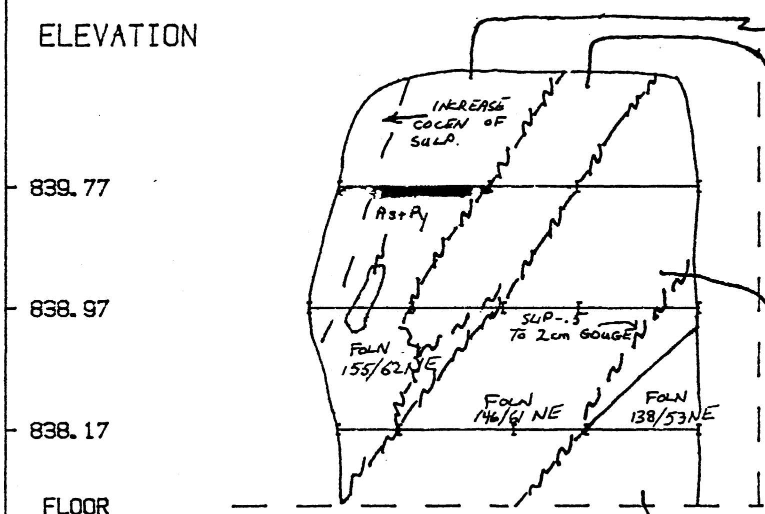
SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

FACE# 158
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43797	1.00	.39	.62	9.320	20.2	8.6
43798	.58	.22	.24	2.260	10.2	2.1
43799	.80	.02	.02	.319	5.9	.3
43800	.68	.16	.12	6.340	12.1	3.0
43801	.61	.48	1.08	3.290	16.0	3.9
43802	.50	.04	.05	.500	5.1	.4
43803	.79	.03	.04	1.020	5.7	.5

SAMPLE NUMBERS	GEOLOGY CODES
043797, 043798, 043799	04 F, 04 F, 04 F
043800, 043801, 043802, 043803	04 F, 04 F, 04 F, 04 F
043804, 043805, 043806, 043807	04 F, 04 F, 04 F, 07 F

GEOLOGY

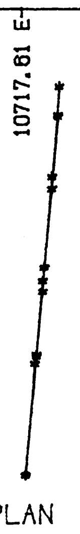


SER-QTZ PHYL (± CHL) – THINNLY BNDD, CONTORTED FOLN, MINOR WHITE QTZ LENSES PARALLEL TO FOLN, SULP-UP TO 20%, As 12% FG MED BNDS PARALLEL TO FOLN, Py 7% FG MED BNDS + DISS, ZnS 1% FG RED-BRN THIN BNDS ALONG FOLN.

SER-QTZ PHYL – WELL SHRD, CONTORTED FOLN, THIN BNDD, MINOR QTZ LENSES WITH TR Po, SULP 5% – As 3% FG MED BNDS, Py 2% THIN BNDS, TR THIN RED ZnS BNDS, MINOR WHITE FELDSPARS IN QTZ LENSES

SER-QTZ PHYL – THIN BNDD, WHITE QTZ LENSES ALONG FOLN WITH TR Po + Py, SULP 3% – Py 2% THIN STRS Po 1% THIN STRS PARALLEL TO FOLN, TR THIN RED ZnS STRS

QTZ-SER PHYL – THIN TO MED BNDD LOCALLY SILICEOUS, TR Po SMEARED ON FOLN PLANES.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 158

10717.61 EAST

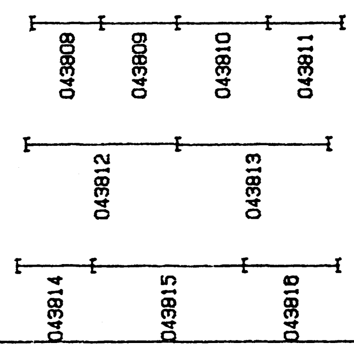
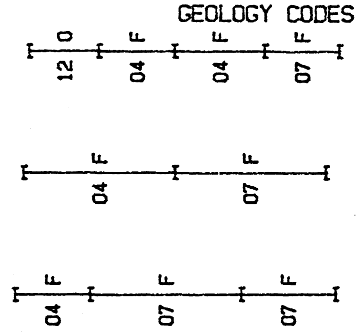
SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

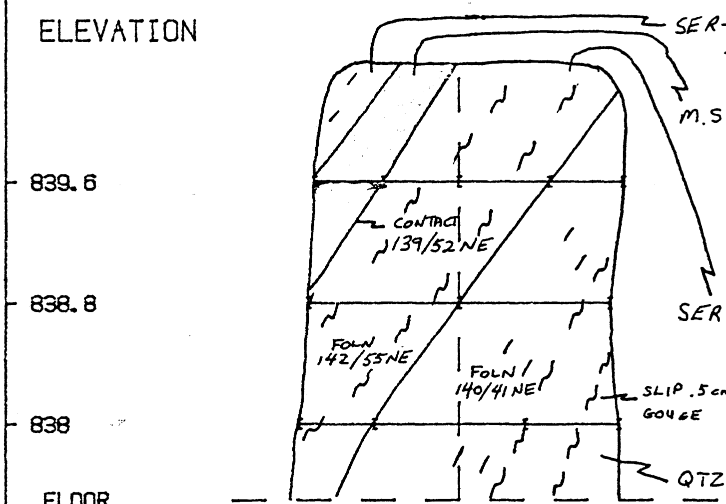
FACE# 159
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43808	.46	.77	.82	12.900	45.0	8.5
43809	.50	.03	.01	1.160	4.8	.7
43810	.60	.01	.01	.381	.4	.3
43811	.49	.01	.01	.468	.3	.5
43812	1.00	.01	.01	.081	.4	.3
43813	1.00	.01	.01	.332	.3	.2

SAMPLE NUMBERS	GEOLOGY CODES
	

GEOLOGY

ELEVATION

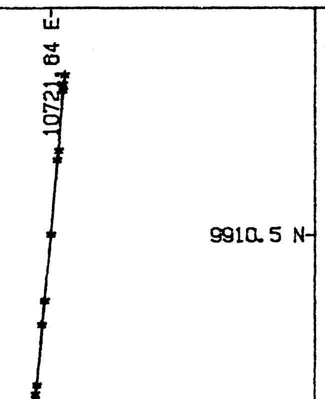


SER-QTZ PHYL - THIN TO MED BNDD, SULP 15% TO 20%, EQUAL As + Py IN THIN TO MED FG MONO STRS PARALLEL TO FOLN.

M.S. - MASSIVE FG TO MG, As 70%, Py 10% ZnS 2% QTZ + SER 18%, Py FG INTERBNDD AND DISS, MAINLY IN H/W HALF, ZnS THIN RED-BRN BNDS MAINLY AT F/W CONTACT, QTZ + SER IN CONTORTED BNDS WITHIN SULP.

SER-QTZ PHYL (+ MINOR CHL AT H/W CONTACT), THIN BNDD, WELL SHRD, SLIGHTLY CONTORTED FOLN, SULP 3% MAINLY THIN Po STRS PARALLEL TO FOLN, TR Py

QTZ-SER PHYL - THIN TO MED BNDD, LOCALLY SILICEOUS, MINOR CHL PATCHES ON FOLN PLANES AND IN QTZ LENSES, SULP 3% - Po 2%, As 1% BOTH IN THIN FG STRS PARALLEL TO FOLN., TR Py WITH As, TR Po SMEARED ON FOLN PLANES, TR THIN RED ZnS STRS PARALLEL TO FOLN.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 159

10721.64 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

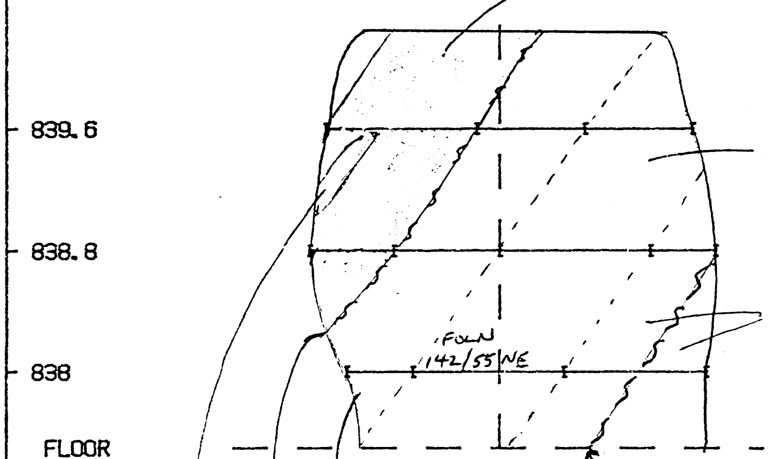
FACE# 160
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43908	1.00	.29	.10	13.700	12.7	4.4
43909	.72	.03	.01	1.160	.3	.3
43910	.71	.01	.01	.931	.3	.4
43911	.56	.23	.02	18.300	9.0	4.7
43912	.70	.02	.01	.952	2.9	.5
43913	1.00	.01	.01	.909	2.3	.4
43914	.43	.01	.01	.172	.3	.3

SAMPLE NUMBERS	GEOLOGY CODES
043908, 043909, 043910	12 O, 04 F, 04 F
043911, 043912, 043913, 043914	12 O, 04 F, 04 F, 04 F
043915, 043916, 043917	04 F, 04 F, 04 F

GEOLOGY

ELEVATION



M.S. 50% VFG As + 20% CG As in vague BNDS within VFG As.
20% SER-QTZ PHYL. in vague BNDS & large fragments.
10% SEC QTZ LENSES
TR PY & MINOR ZNS BNDS TOWARD F/W

SER-QTZ PHYL.
V. FRACTURED - ABN SMALL SPLAY FAULTS
10% M.G. AS BNDS ALONG FOLN.
5% C.G. PY BNDS ALONG FOLN.
MINOR PO ALONG SPLAY FAULTS.

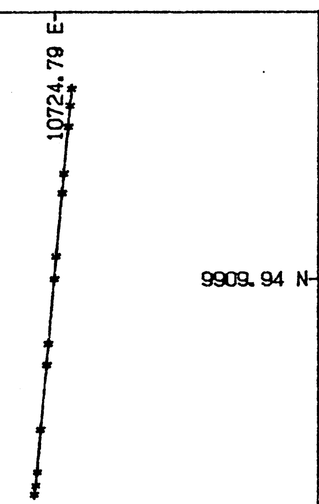
SER-QTZ PHYL.
MED. BNDD.
WEAKLY FRACTURED.
2% C.G. AS BNDS ALONG FOLN.
2% F.G. PY BNDS ALONG FOLN.

MAJOR FAULT 145/60 NE
5cm GOUGE. TR FUSCHITE?

SER-QTZ PHYL - MED. BNDD.
LOCALLY SHRD.
20% 3-5mm BNDS F.G. PO ALONG FOLN
TR CPY IN F.F. NEAR H/W CONTACT.
TR DISS PY, ZNS.
MINOR PO ALONG SPLAY FAULTS.

F/W OF ORE FAULTED 2mm GOUGE 150/54 NE

SER-QTZ PHYL FRAG IN SULFIDES WITH 30% C.G. DISS PY + 10% F.G. AS BNDS.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 160

10724.79 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

FACE# 161
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43918	.64	.07	.01	2.170	2.0	1.4
43919	.40	.19	.01	16.800	14.3	13.1
43920	.80	.01	.01	1.210	2.0	.7
43921	.46	.02	.01	3.150	1.7	1.0
43922	.14	.33	.01	20.100	14.1	11.9
43923	.87	.04	.01	.695	1.0	.4
43924	.90	.01	.01	.815	1.7	.3
43925	.49	.01	.01	1.750	.3	.5

SAMPLE NUMBERS

043918 043919 043920 043921

043922 043923 043924 043925

043927 043928 043929

GEOLOGY CODES

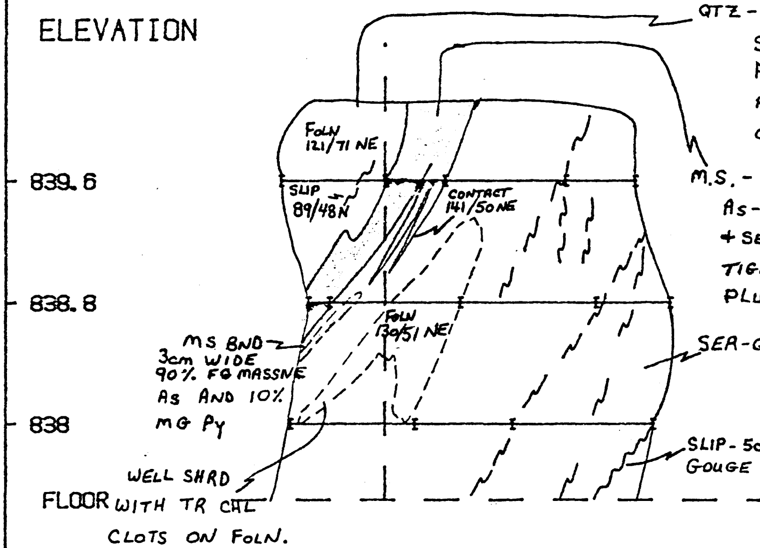
07 H 12 O 04 F 04 F

12 O 04 F 04 F 04 F

04 F 04 F 04 F

GEOLOGY

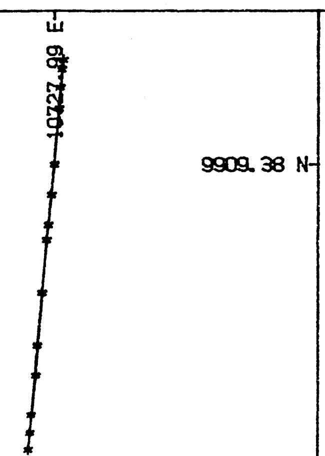
ELEVATION



QTZ - SER PHYL - THIN TO MED BNDD, QTZ LENSES SLIGHTLY CONTORTED, SULP UP TO 10% - MAINLY FG TO CG PY IN STRS UP TO 3 cm WIDE AND DISS ALONG FOLN, MINOR TARNISHING OF PY AT TOP LEFT CORNER OF FACE

M.S. - AS 75%, PY 20%, QTZ + TR SER 5%. AS - FG TO MG, MASSIVE WITH INTERFINGERED QTZ + SER ALONG FOLN, PY IN CONTORTED AND TIGHTLY FOLDED BNDS UP TO 2 cm WIDE, FOLD PLUNGE INTO THE FACE ROUGHLY.

SER-QTZ PHYL - THIN BNDD WELL SHRD, MINOR SLIPS THROUGHOUT HEALED WITH WHITE QTZ AND MINOR FG AS + PY. SULP 7% - PO 3% FG STRS ALONG FOLN AND SMEARED ON FOLN PLANES, PY 2% FG TO MG DISS ALONG FOLN, AS 2% FG STRS ALONG FOLN, TR CPY SMEARED ON FOLN PLANES ASSOCIATED WITH PO.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 161

10727.99 EAST

SCALE 1:50

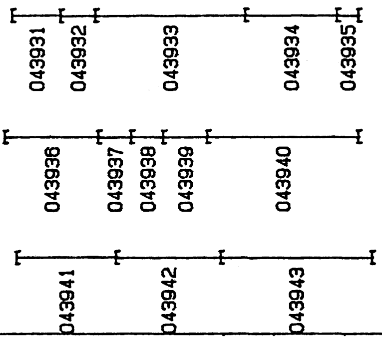
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

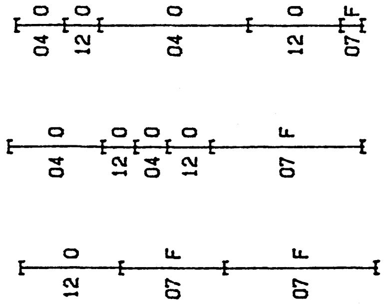
FACE# 162
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43931	.32	.14	.03	.481	5.9	.3
43932	.23	1.84	.73	14.200	81.7	14.3
43933	.99	.45	.66	1.770	14.7	1.1
43934	.61	.21	.01	18.300	20.9	13.4
43935	.14	.02	.01	2.650	2.0	.7
43936	.62	.03	.03	7.030	.3	.6
43937	.22	3.68	8.22	6.450	72.2	6.6
43938	.21	.16	.20	1.440	4.3	.5
43939	.29	.16	.02	14.900	8.3	2.0
43940	1.00	.03	.01	2.490	4.8	.7

SAMPLE NUMBERS

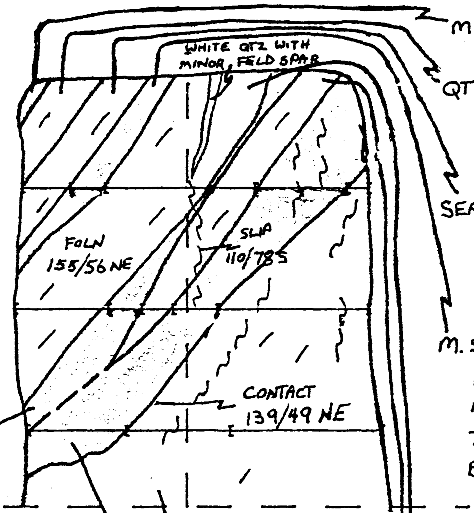


GEOLOGY CODES



GEOLOGY

ELEVATION



M.S. - As 60% FG, Py 30% MG DISS, ZnS 10% IN THIN DISS STRS AT F/W CONTACT.

QTZ-SER PHYL - THIN TO MED BNDD, QTZ LENSING ALONG FOLN., SULP 5% - MAINLY Py MG TO CG DISS STRS ALONG FOLN, LOCALLY SHRD

SER-QTZ PHYL - THIN BNDD, SHRD, SULP 5% Py 4% IN MG STRS AND DISS ALONG FOLN UP TO 1 cm WIDE, As 1% VFG WITH Py STRS. ZnS TR. RED THIN STRS PARALLEL TO FOLN.

M.S. - MED BNDD. Py 50%, As 50%, ALTERNATING FG BNDS OF Py AND As WITH TR ZnS IN MIDDLE OF UNIT IN THIN STRS PARALLEL TO CONTACTS

BANDING SEQUENCE H/W TO F/W
Py → As → Py → As → Py

CONTACTS SLIGHTLY INTERFINGERED WITH SER-QTZ PHYL.

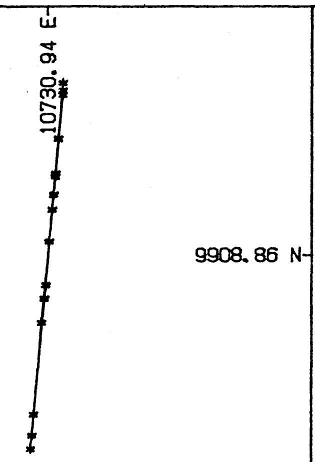
M.S. - BNDD TO VAGUELY BNDD, MINOR QTZ LENSING WITH TR TETR. - As 55% FG MASSIVE, Py 25% FG TO MG DISS AND IN LENSOID PATCHES, ZnS 10% FG MASSIVE AND THIN PARALLEL STRS QTZ-SER 10%

QTZ-SER PHYL - THIN TO MED BNDD, LOCALLY SHRD, MINOR SLIPS, SULP 4% - Py 3% MG TO CG DISS AND IN DISCONTINUOUS STRS PARALLEL TO FOLN, As 1% FG MONO STRS

SER-QTZ PHYL - THIN BNDD, MINOR QTZ LENSES, SULP 4% - Py 3% MG TO CG DISS ALONG FOLN, As 1% FG TO MG DISS WITHIN Py BNDS ALONG FOLN.

SER-QTZ PHYL - THIN BNDD, SHRD, SULP 7%, THIN MONO STRS OF Py 4% AND As 3% PARALLEL TO FOLN.

M.S. - MASSIVE TO MED BNDD. As 40% Py 15% QTZ-SER 45% INTERFINGERED PARALLEL TO FOLN. - As FG TO MG MASSIVE TO MONO STRS PARALLEL TO FOLN. Py MG STRS PARALLEL TO FOLN



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 162

10730.94 EAST

SCALE 1:50

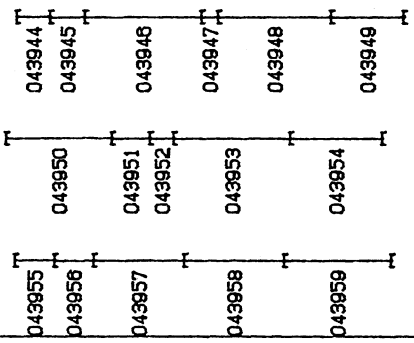
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

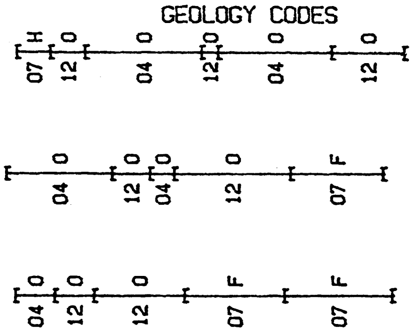
FACE# 163
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43944	.22	.32	1.11	.284	16.5	.6
43945	.23	11.60	17.60	2.880	206.8	11.2
43946	.77	.20	.15	.188	7.2	.3
43947	.11	.82	1.46	11.100	26.6	10.4
43948	.75	1.24	1.67	3.970	25.7	3.0
43949	.48	.20	.11	7.230	7.4	4.9
43950	.70	.25	.13	7.200	8.5	4.5
43951	.25	1.17	1.43	11.800	42.8	9.9
43952	.16	.10	.04	2.040	6.1	1.4
43953	.77	4.06	8.22	9.410	80.3	8.8
43954	.69	.13	.17	5.430	7.8	3.8

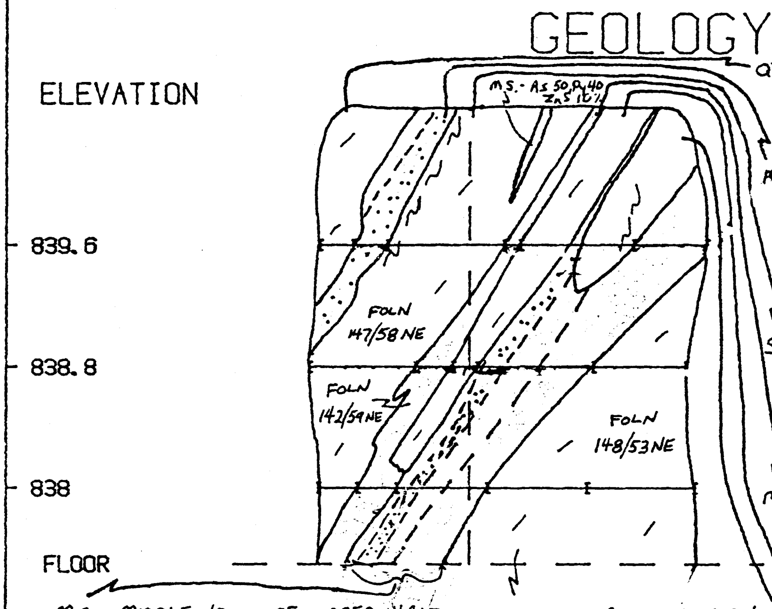
SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY



QTZ-SER PHYL - THIN TO MED BNDD, WHITE QTZ LENSES ALONG FOLN., SLIGHTLY SHRD AT SULP. CONTACT.

M.S. - MILLED TEXTURE, H/W MARGIN MG TO CG WITH MONO BNDS OF As (TOP), Py (MIDDLE) AND ZnS (BOTTOM) - OVERALL As 45%, Py 35%, ZnS 15%, PbS 1%, TETR TR, WHITE ROUNDED QTZ PATCHES 4%, Cb ff.

SER-QTZ PHYL - THIN BNDD, SHRD, QTZ LENSES ALONG FOLN WITH TR DKRED ZnS, TR Cpy, TR TETR AND MINOR FELDSPAR, 5% Py IN THIN TO MED STRS, MG TO CG ALONG FOLN

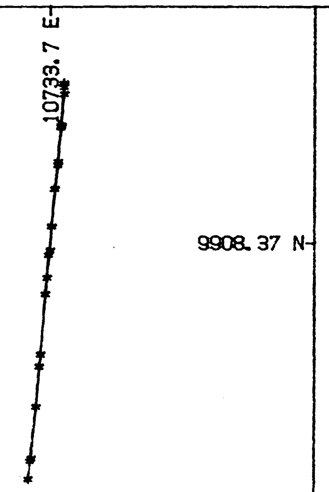
M.S. - THIN TO MED BNDD, As 45%, Py 30%, ZnS 10%, QTZ 15%, BNDING H/W → F/W Py, As, ZnS, Py+As. -As VFG, Py MG, ZnS RED TO RED-BRN IN THIN STRS. , TR Cpy WITHIN MINOR QTZ LENSES, SULP. BNDS DISRUPTED AND BROKEN UP INTO STRS BY QTZ LENSES MAINLY AT F/W CONTACT.

SER-QTZ PHYL - THIN BNDD, SHRD, THIN QTZ LENSES ALONG FOLN WITH TR ZnS AND TR PbS. , SULP. 3% - Py 2% MG As 1% FG BOTH IN STRS AND DISS ALONG FOLN.

SER-QTZ PHYL - THIN TO MED. BNDD, CONTORTED FOLN, SLIGHTLY SHRD AT SULP CONTACTS, SULP 4% - Py 3% MG TO CG DISS ALONG FOLN, As FG DISS ALONG FOLN WITH Py.

M.S. - MIDDLE 10 cm OF UPPER HALF MILLED TEXTURE, MG TO CG Py+As MARGINS AT UPPER 8 cm AND 20 cm BELOW MILLED TEXTURE - UPPER HALF As 40%, Py 40%, ZnS 10%, QTZ 10%, MARGINS ARE BNDD WITH ZnS AT CONTACTS, Py MIDDLE AND AT INNER. -LOWER HALF OF MS BND MED BNDD WITH INCREASING QTZ TOWARD THE LOWER CONTACT. -As 60% FG TO MG, Py 10% MG BNDS, QTZ 35%.

QTZ-SER PHYL - THIN BNDD SHRD, MINOR SMALL QTZ LENSES, Py 4% MG TO CG DISS ALONG FOLN, As 3% FG TO MG IN THIN STRS PARALLEL TO FOLN.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 163

10733.7 EAST

1 METER

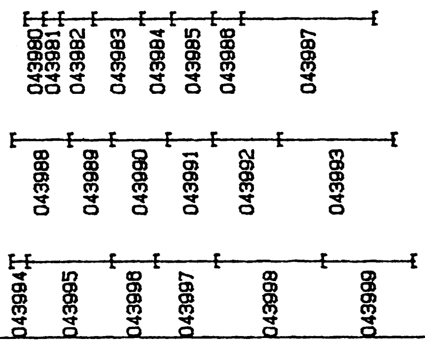
SCALE 1:50

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

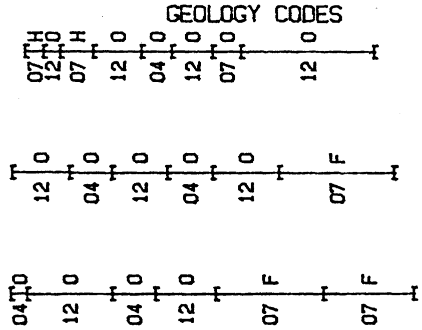
FACE# 164
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
43980	.12	.19	.04	3.550	5.7	.4
43981	.11	4.06	9.20	6.180	39.1	12.3
43982	.22	.12	.07	3.090	6.5	1.0
43983	.32	10.90	13.70	3.280	177.5	8.9
43984	.20	2.34	2.96	1.140	46.6	2.0
43985	.27	8.57	15.80	7.650	132.7	15.3
43986	.19	.34	.35	1.810	9.4	.8
43987	.88	.57	.46	17.600	16.0	7.3
43988	.38	7.56	10.70	3.220	127.0	8.0
43989	.28	3.20	4.64	1.170	71.0	3.0
43990	.37	3.29	5.47	9.630	76.3	14.1
43991	.30	.30	.35	4.950	12.2	1.5
43992	.44	.37	.10	14.200	17.0	10.4
43993	.76	.05	.03	2.090	4.4	1.0

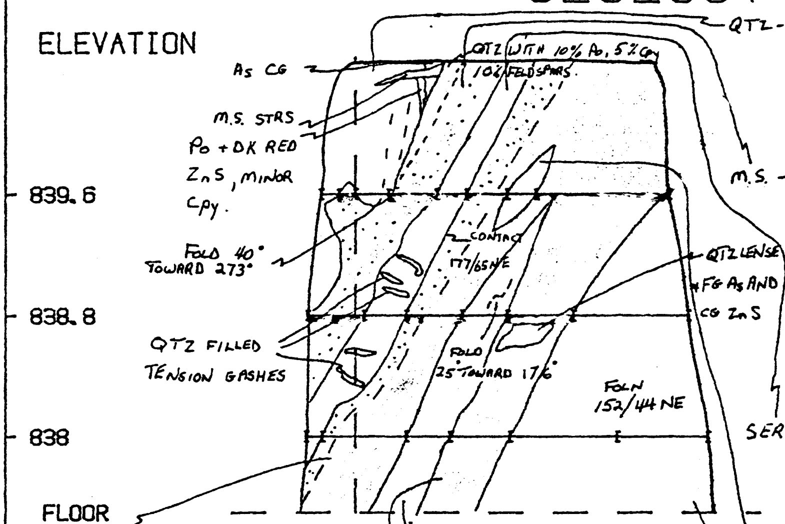
SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY



QTZ-SER PHYL - THIN TO MED BNDD, SLIGHTLY DARKER TOP LEFT ADJACENT TO NORTH WALL (SLIGHTLY CHLORITIC), FOLN SLIGHTLY CROSSCUTS M.S BND. Po 3% THIN STRS ALONG CONTORTED FOLN, TR As WITHIN QTZ LENSES.

M.S. - FG MILLED TEXTURE, IRREGULAR SHRD CONTACTS AND VERY MINOR CG As AT H/W CONTACT, cb ff., As 38% Py 30% ZnS 15%, Po 10% Cpy 3%, QTZ (ROUNDED) 5%, F/W CONTACT INTERFINGERED WITH SER PHYL, BULL QTZ AVERAGES 1 cm WIDE AND CONTAINS CHL FLAKES Po AND Cpy, LARGEST LENSE IS 18 cm WIDE ON NORTH WALL.

SER PHYL - THIN BNDD WITH CROSSCUTTING QTZ FILLED TENSION GASHES, HIGHLY CONTORTED FOLN., 1% FG DISS As, 1% FG Py STRS, 1% Cpy IN QTZ LENSES, TR TETR., TR DISS ZnS

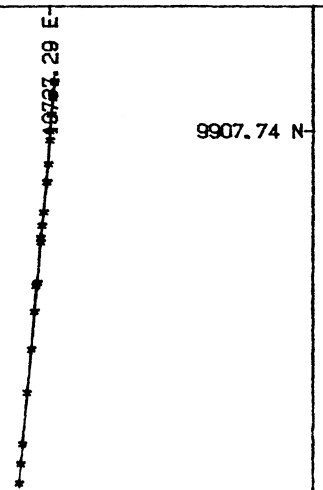
QTZ-SER PHYL - MED BNDD, 15% TO 20% CG DISS Py, 1% THIN ZnS STRS ALONG FOLN, QTZ LENSING WITH 3% FELDSPARS.

QTZ-SER PHYL - THIN TO MED BNDD, Py 7% MG TO CG DISS ALONG FOLN, As 3% FG DISS ALONG FOLN., SLIGHTLY SHRD AT H/W CONTACT.

M.S. - TOP HALF MILLED TEXTURE, BOTTOM HALF CG VAGUELY BNDD, H/W CONTACT CROSSCUTS AND IS INTERFINGERED WITH SER. PHYL MILLED TEXTURE - As45%, Py 45%, ZnS 10%, LOWER HALF Py 50% As 30% ZnS 5%, QTZ 15% TOP BND OF LOWER HALF 10 cm CG As, LOWER 19 cm CG Py WITH THIN INTER BNDD DK RED ZnS., TR Cpy WITHIN QTZ.

SER-QTZ PHYL - THIN BNDD, SHRD AND CONTORTED, 1% MG DISS Py, TR FG As

M.S. - FG, MED BNDD WITH MUCH QTZ LENSING, As 40% Py 20% ZnS TR. QTZ 40%, Py MAINLY AT TOP 15cm AT TOP CHIP LEVEL, As CG WITHIN QTZ LENSES.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 164

10737.29 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

FACE# 165
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44001	.30	.01	.02	.045	.3	.2
44002	.50	.01	.07	.115	.3	.3
44003	.63	6.98	9.60	2.990	119.2	7.0
44004	.90	2.00	3.21	9.350	42.8	10.3
44005	.20	1.83	4.26	7.520	35.5	4.3
44006	.32	1.68	1.13	11.300	42.6	33.0
44007	.20	.08	.03	11.100	5.3	.9
44008	.45	.06	.13	1.210	1.7	.4
44009	.65	4.12	6.83	6.120	83.7	12.3
44010	.85	.79	.85	2.440	16.1	1.0
44011	.38	4.12	8.22	4.730	113.1	4.1
44012	.32	.21	.10	4.020	6.7	.8

SAMPLE NUMBERS	GEOLOGY CODES
044001, 044002, 044003, 044004, 044005, 044006, 044007	05 H, 04 H, 12 O, 12 O, 07 O, 12 O, 04 F
044008, 044009, 044010, 044011, 044012	04 H, 12 O, 07 O, 12 O, 04 F
044013, 044014, 044015, 044016, 044017	04 H, 12 O, 07 O, 12 O, 04 F

GEOLOGY

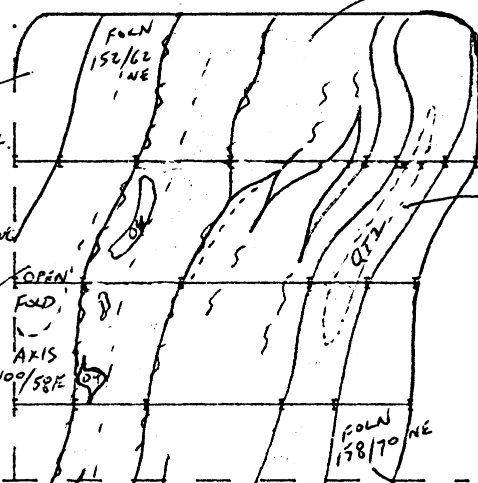
ELEVATION

839.6

838.8

838

FLOOR



CHL-SER-QTZ-PHYL. THIN BNDD. MED. GREEN No SULFIDES MINOR 1CM XCUTTING QTZ-FELDS VEINS.

M.S. MILLED & VAGUELY BNDD. 60% VFG As 20% F.G. DISS Py + 3mm ROUND Py 15% IRREG. INJECTED SEC QTZ + MINOR CPy & Po & PbS FF. CG. As ALONG FAULTS INTO QTZ-SER PHYLLITE UNIT BESIDE

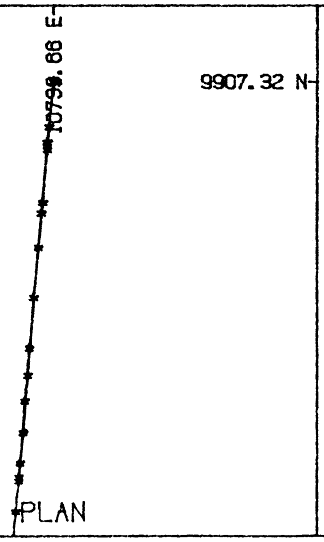
M.S. CONTORTED & V. THIN BNDD. 40% CG. & F.G. Py, 30% V.F.G. As 20% INJECTED QTZ IN IRREG. VEINS WITH 10% BK ZnS & TR CPY & TR PbS F.F. ABN 1-2 mm FELD. XTALS IN QTZ. MINOR CHL. H/W ABN CG Py BNDS, F/W ABN V.F.G. As, Py & ZnS.

SER-QTZ PHYL. THIN BNDD WEAKLY CONTORTED. 20% SEC. QTZ LENSES. 10% M.G. As & 5% C.G. Py ALONG FOLN.

SER-QTZ PHYL. V. IRREG FOLDED FOLN. 20% QTZ LENSES ALONG FOLN. 3% CG. As IN SEVERAL 1CM BNDS. MINOR Po, Py ALONG FOLN.

QTZ-SER PHYL. SHRD. V. FISSILE, ABN SMALL SPLAY FAULTS 5% 1mm STR RED ZnS & 10% CG. As. IN 1CM BNDS ALONG FOLN.

M.S. TOP HALF VAGUELY BNDD WITH 30% SEC. INJECTED QTZ & FELD. VEINS AND 20% SUBANGULAR STRETCHED FRAGMENTS OF SER.-QTZ PHYL. - 40% VFG. Po MATRIX + 5% 2cm BK ZnS CLOTS AND MINOR DISS M.G. Py & TR CPy FF IN QTZ. BOTTOM HALF. MILLED M.S. VAGUELY BNDD. 60% V.F.G. As, 20% F.G. Py DISS., 10% 1CM ROUND QTZ EYES. 5% M.G. Py & 5% BK. M.C. ZnS BNDS ALONG FOLN.



BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 165

10739.66 EAST

SCALE 1:50

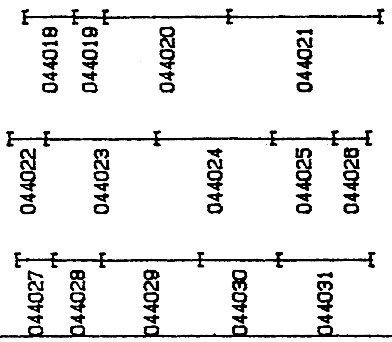
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

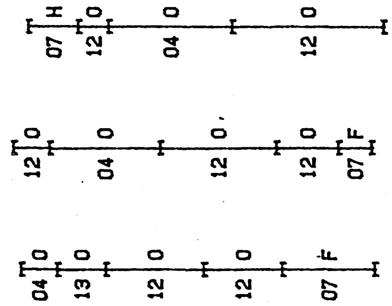
FACE# 166
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44018	.33	.03	.02	.448	.4	.3
44019	.20	1.05	3.15	3.960	18.1	2.5
44020	.82	.08	.50	.811	2.7	.7
44021	1.00	10.70	17.90	4.390	168.3	10.6
44022	.24	1.34	5.06	1.920	31.8	3.9
44023	.73	.08	.12	1.090	1.2	.9
44024	.77	13.70	18.30	2.580	326.2	9.7
44025	.41	6.31	10.70	8.470	96.9	12.1
44026	.22	.26	.64	5.600	9.7	3.3

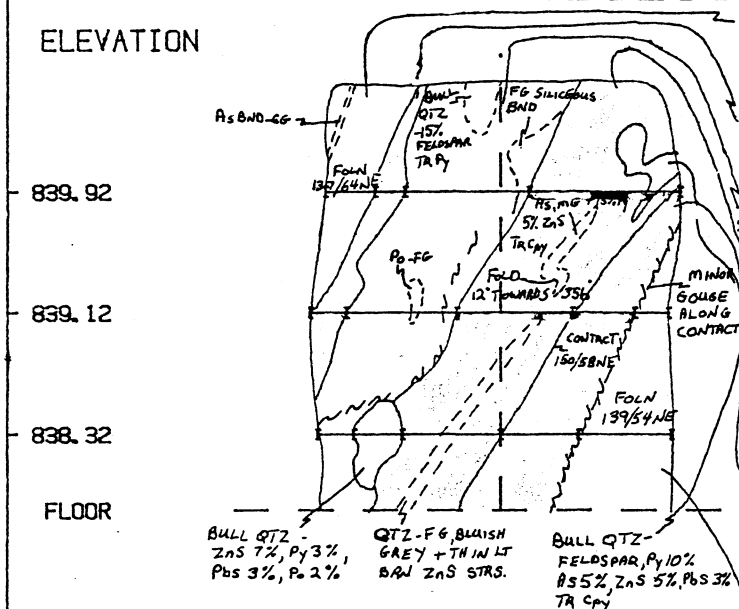
SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY



QTZ-SER PHYL - THIN TO MED BNDD, SLIGHTLY SHRD AT F/W CONTACT, As 1% IN CG MONO BNDS PARALLEL TO FOLN, Py 1% DISS ALONG FOLN, TR DISS Po.

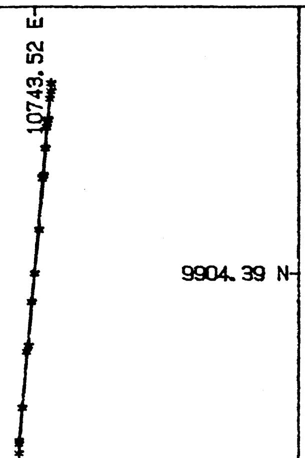
M.S. - F.G., MASSIVE, PINCHES AND SWELLS WITH FOLDING, Po 70% FG, Py 15% FG, TR Cpy, 10% BULL QTZ IN IRREGULAR LENSES.

SER-QTZ PHYL - CONTORTED AND SHRD, IRREGULAR CROSSCUTTING BULL QTZ LENSES, SULP IN MONO MG TO CG BNDS AND PATCHES, As 10% MAINLY ABOVE TOP CHIP LEVEL, Po 5% IN CROSSCUTTING AND CONFORMABLE STRS., ZnS 2% THIN RED STRS ALONG FOLN., MINOR CROSSCUTTING QTZ HEALED SLIPS, SILICEOUS AT F/W CONTACT.

M.S. - FG MASSIVE MILLED TEXTURE As 45%, Py 20% ZnS 20%, PbS 5%, Cpy TR, QTZ + SER 5%, ROUNDED BULL QTZ GRAINS UP TO 2cm WIDE, MINOR ROUNDED MG As + Py

M.S. - MED BNDD, As 35%, Py 30%, ZnS 5%, QTZ+SER 30%, As RICH H/W AND F/W, Py RICH MIDDLE, MONO BNDS OF MG As AND MG TO CG Py, THIN DK RED ZnS BNDS THROUGH MIDDLE OF UNIT.

QTZ-SER PHYL - MED BNDD, MINOR WHITE QTZ LENSE WITH DK RED ZnS, Py 2% MED BNDS DISS ALONG FOLN, As 1% MED BNDS MG DISS ALONG FOLN, ZnS TR, Po TR DISS



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 166

10743.52 EAST

SCALE 1:50

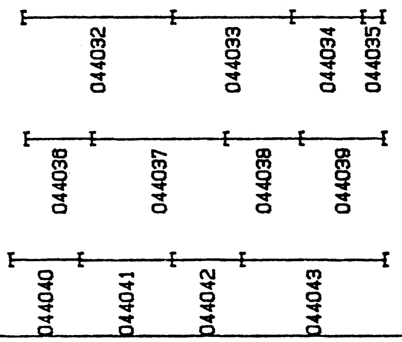
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

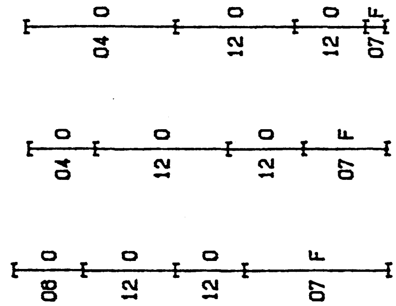
FACE# 167
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44032	.99	.10	.22	1.810	5.4	.7
44033	.79	13.20	16.30	2.630	213.6	7.2
44034	.47	.38	.15	15.200	11.7	2.0
44035	.13	.12	.18	.414	4.8	.1
44036	.44	.30	.19	.108	15.8	.1
44037	.88	10.80	13.90	8.490	179.2	19.6
44038	.50	.25	.15	10.800	7.7	1.8
44039	.55	.03	.03	.173	3.9	2.3

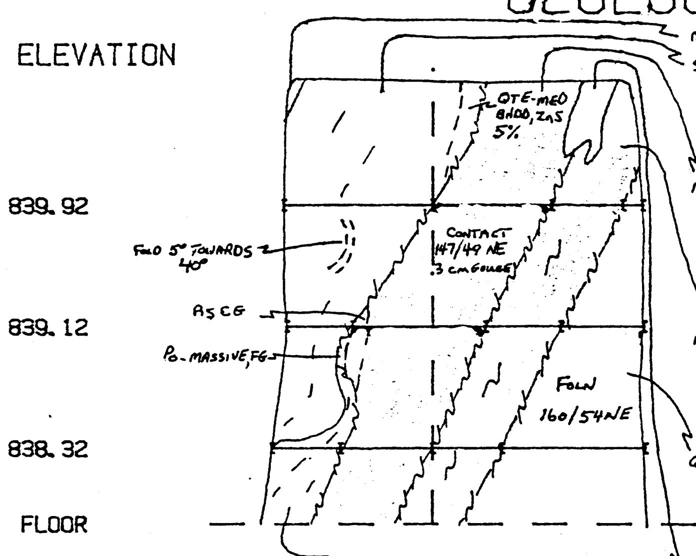
SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY



M.S. - FG - Po 70%, As 15%, Py 10%, ZnS 5%.

SER-QTZ PHYL - SHRD AND FOLDED, BULL QTZ LENSING ALONG FOLN WITH MINOR FELDSPARS, As 1% MED BNDS PARALLEL TO FOLN, Po TR DISS, Py TR DISS, ZnS TR IN QTZ LENSES.

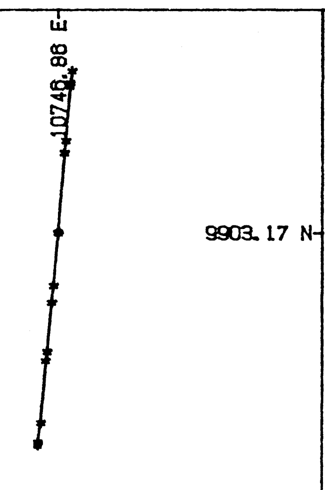
M.S. - FG MILLED TEXTURE, FOLDED H/W CONTACT, As 30% Py 30%, ZnS 20%, Po 20%, 5% BULL QTZ LENSES, ROUNDED UP TO 3 cm WIDE, Cpy TR AT H/W CONTACT. LARGE BULL QTZ LENSE AT H/W CONTACT WITH DK RED TO BK ZnS, Py, As AND PbS.

M.S. - THIN TO MED BNDD, MINOR QTZ LENSING. SLIGHTLY SHRD, As 40%, Py 10%, ZnS TR, QTZ + SER 50%, FG MONO BNDS OF As + Py, TR THIN RED-BRN ZnS BNDS.

QTZ-SER PHYL - MED BNDD, LOCALLY SILICEOUS, MINOR BULL QTZ LENSING, Py 2% MG + As 2% MG IN THIN TO MED BNDS DISS ALONG FOLN, PbS TR IN QTZ LENSES

BULL QTZ - MINOR ZnS, As + PbS.

QTE - FG, MED BNDD, MINOR BULL QTZ LENSING, ZnS 5% IN THIN DK RED STRS ALONG FOLN, Py 5% DISS ALONG FOLN, PbS TR.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 167

10746.86 EAST

SCALE 1:50

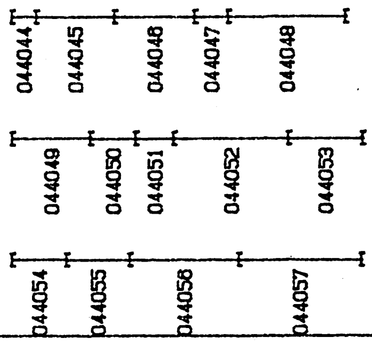
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

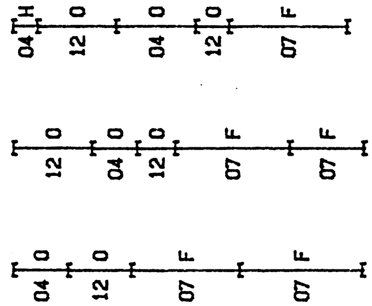
FACE# 168
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44044	.16	.15	.64	.041	21.8	4.9
44045	.52	8.67	17.90	2.910	129.7	11.5
44046	.53	.47	.63	7.620	7.2	1.7
44047	.22	2.16	1.74	17.400	66.0	10.1
44048	.78	.06	.04	.435	2.4	.3
44049	.52	9.97	19.90	4.270	163.3	11.5
44050	.30	.23	.34	2.380	3.8	1.0
44051	.25	1.07	1.54	18.700	29.6	6.7
44052	.76	.03	.02	.586	2.9	.5
44053	.49	.01	.01	.184	2.5	.2

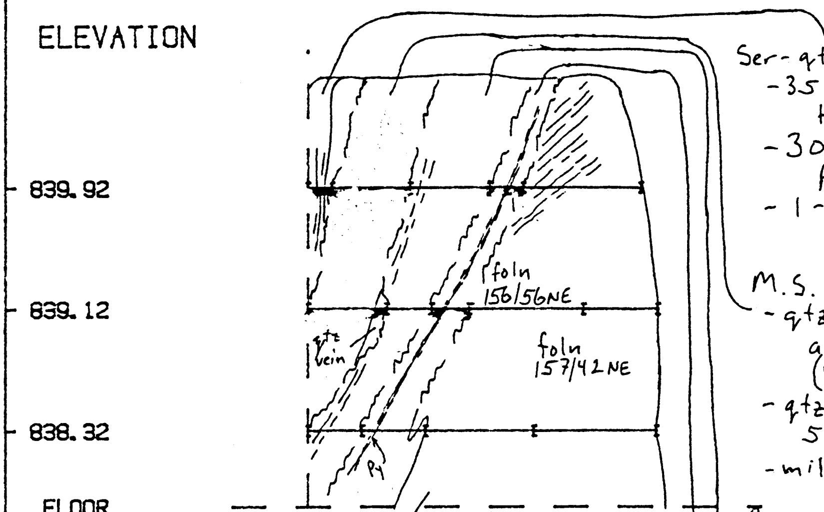
SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY



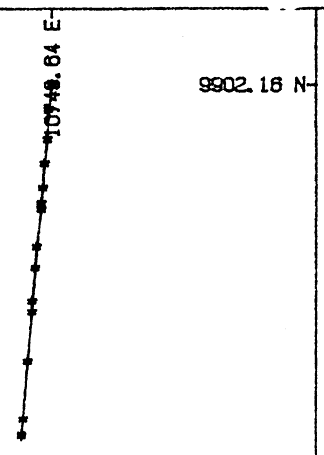
Ser-qtz-phyl.
- 35% qtz veins, crosscutting, 5-20mm thick
- 30% f.g. As; 1% m.g. CPy; trace PbS
- 1-8 cm M.S. band at f/w (As + Cpy)

M.S. - 50% f.g. As; 10% ZnS
- qtz. present as 10cm thick vein on f/w and as scattered sub-rounded eyes (1-10mm).
- qtz. vein contains 10% m.g. As, 5% m.g. brwn ZnS, 5% m.g. CPy
- milled

Ser.-qtz. phyl.
- med. bndd; very sheared
- 8% m.g. Py, diss. along foln. planes
- 5% m.g. As, as discrete bands 3-20mm thick.
- 5% secondary qtz as bands 1-10mm thick

M.S. - 65% f.g. As; 15% m.g. Py; 15% m.g. brwn ZnS; 5% qtz; trace PbS
- As concen. in h/w half of layer
- f/w half contains As, Py, Zns; As is m.g.
- 2cm Py rich band slightly cross cutting
- rest of layer vaguely bndd.

Qtz.-ser. phyl.
- sericite in foln.
- 15% secondary qtz.
- 5% f.g. Po, stringers 1-8mm thick along foln.
- 3% c.g. Py diss. along foln., concen. at h/w.
- trace brwn ZnS + As, f.g. to m.g. in 1-3mm thick bands.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 168

10749.64 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

FACE# 169
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44059	.46	13.20	17.90	6.500	206.4	7.5
44060	.31	.20	.24	.164	3.9	.2
44061	.33	8.97	7.16	2.720	203.3	7.9
44062	.88	.12	.09	.542	7.2	.3
44063	.39	.33	.61	6.020	6.4	1.9
44064	.36	.04	.03	.236	1.7	.3
44065	.30	5.21	.96	7.410	130.0	8.5
44066	.63	.54	.92	1.160	16.0	.4
44067	.63	.03	.03	1.220	32.7	.2

SAMPLE NUMBERS

044059 044060 044061 044062

044063 044064 044065 044066 044067

044068 044069 044070 044071 044072

GEOLOGY CODES

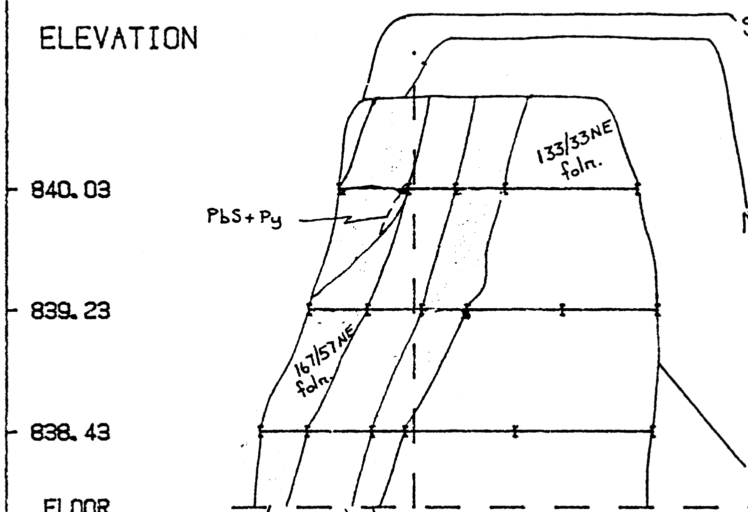
12 O 07 O 12 O 07 F

12 O 07 O 12 O 07 F 07 F

12 O 07 O 12 O 07 F 07 F

GEOLOGY

ELEVATION



Ser-qtz phyl thin bndd.
- slightly shrd. at sulp contact, x-cutting qtz veins 1 cm thick, ≈ 10cm long at contact
- Sulp in bands parallel to foln. – As (c.g., 15%) Py (c.g., 5%), ZnS (c.g., red-brn, 1%).
- minor secondary qtz

M.S. – f.g.
- As 40%, Py 30%, ZnS (brn) 20%, PbS 2%
- 8% white qtz eyes, 1mm-2cm
- minor re-xtal on margin. Patchy Py + PbS along margin
- grain size coarsens towards margin

Qtz-ser. phyl - med bndd
- locally sil.
- 5% Py, c.g. } in bands 1-20mm thick
- 2% As, m.g. } parallel to foln.
- 2% Po, m.g.
- 1% ZnS, f.g., red-brn, thin strs
- tr. CPy, f.g.

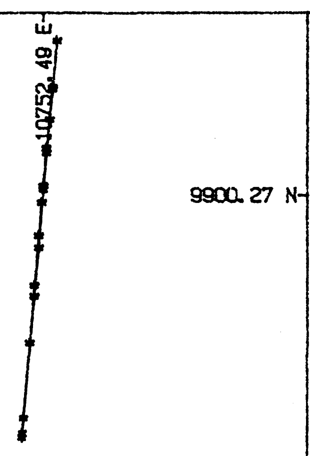
M.S. - m.g., med bndd
- bands 1-5 cm wide
- As 30%, Py 20%, Po 10%, ZnS 2%, Cpy tr.
- remainder is qtz + ser.
- sulp bands up to 5 cm wide
- secondary qtz at h/w contact contains tr. PbS, Cpy, blk. ZnS; Po

Qtz-ser phyl
- thin to med. bndd
- slightly shrd
- foln. approx. parallel to contacts
- minor felds, w/in qtz layers
- m.g. Py 5%, f.g. Po tr., f.g. Cpy tr.
- Py diss. along foln.

M.S. - vague to med bndd
- minor secondary qtz patches containing blk ZnS (c.g.), PbS (m.g.), CPy (f.g.), Po (m.g.)
- qtz is at or near h/w contact
- As 50% (f.g.), ZnS 15% (f.g.), PbS 5% (m.g.), Py 30% (f-m.g.)
- Py predom margins, As predom. core

- h/w contact shrd, near conformable
- f/w contact shrd, non conformable
- minor gouge

Py, As, Py



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 169

10752.49 EAST

SCALE 1:50

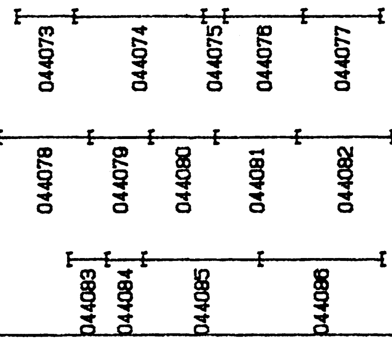
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

FACE# 170
****

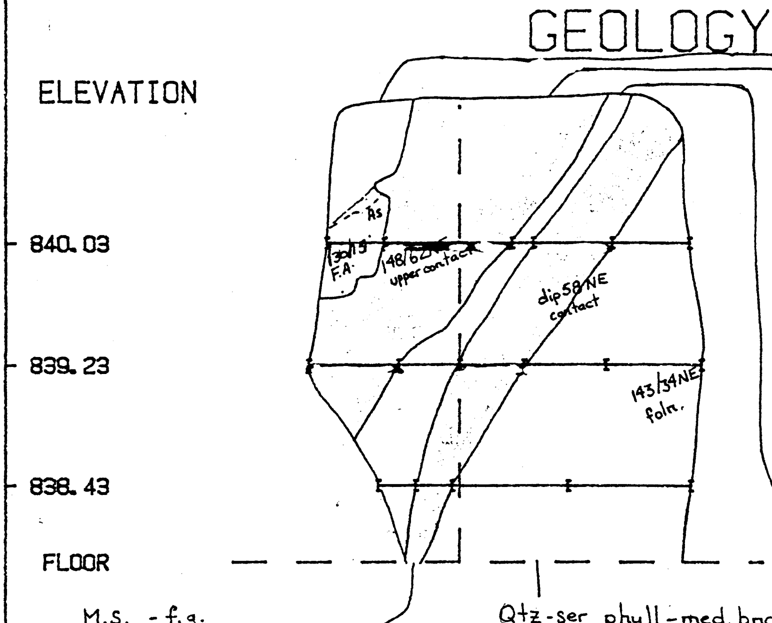
SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44073	.38	.23	.15	3.530	6.1	3.5
44074	.85	12.20	18.60	2.170	232.8	7.9
44075	.19	.74	1.04	2.530	19.5	1.8
44076	.52	7.64	8.22	9.330	184.4	14.4
44077	.51	.13	.20	.192	4.6	.2
44078	.60	11.50	19.20	1.930	208.1	7.2
44079	.40	1.93	2.12	2.710	50.5	1.0
44080	.43	2.19	7.05	12.500	54.0	14.5
44081	.54	.23	.58	.332	7.8	.4
44082	.63	.30	.55	.119	11.4	.3

SAMPLE NUMBERS



GEOLOGY CODES

GEOLOGY



Ser.-Qtz phyl
- vaguely bndd
- sericite in foln. plane
- qtz rich layers up to 2 cm thick
- M.S. extends into phyl. near top of face
- 10% Py, m.g., diss
- 1% ZnS, f.g., brn., in faint bands
- Sulp. concen. in area adjacent + above M.S. extension

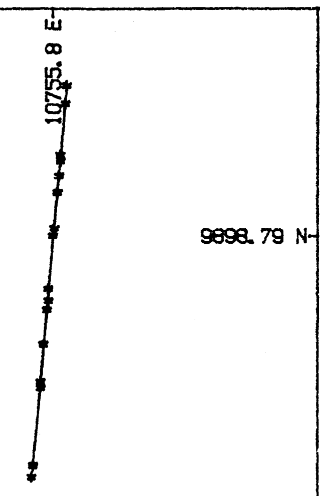
As present in 5 cm thick layer extending from the M.S. extension.

M.S. - 15% qtz lenses + eyes
- 5% ser. lenses
- 50% red-brn ZnS, f.g.
- 20% Py, m.g., rounded grains
- 10% As, f.g.
- secondary c.g. ZnS + PbS in qtz lenses

M.S. - f.g.
- 30% As, f.g.
- 30% ZnS, f.g., red-brn
- 20% Cpy, f.g.
- tr. Py, m.g.
- 20% qtz vein
- As concen at margins; Py, CPy, ZnS present in centre.
- Vein qtz contains ZnS (blk, c.g.), PbS (c.g.), CPy (m.g.), Py (m.g.)
- f/w contact shrd, 5mm of gouge

Qtz-ser phyll - med. bndd
- Bands truncated at h/w
- 5% Py, m.g. diss. + in bands parallel to foln.
- 1% ZnS, f.g., discont. bands ≤ 4 mm thick, parallel to foln.
- tr. PbS, m.g.
- minor qtz lenses up to 1 cm thick

Ser-Qtz phyl - med bndd., qtz bands 1-5 mm
- Qtz veins up to 5 cm thick contain c.g. PbS, ZnS (blk), Py
- 10% Py, m.g. + 1% ZnS, red-brn. f.g. occur as 1-5 mm bands parallel to foln.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 170

10755.8 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

FACE# 171
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44087	.18	1.57	2.61	1.450	28.4	1.1
44088	.56	9.65	11.10	3.740	154.3	11.7
44089	.59	8.37	8.86	3.340	160.0	4.5
44090	.46	2.84	3.71	.457	63.4	.3
44091	.33	6.24	5.40	18.100	159.6	20.7
44092	.35	10.70	15.80	3.210	193.3	10.3
44093	.47	12.40	15.00	2.440	233.2	5.4
44094	.43	7.17	5.74	.595	138.8	1.1
44095	.33	7.17	12.70	11.900	154.5	19.6
44096	.57	.32	.32	.418	3.6	.5

SAMPLE NUMBERS

044087 044088 044089 044090 044091

044092 044093 044094 044095 044096

044097 044098 044099 044100 044101

GEOLOGY CODES

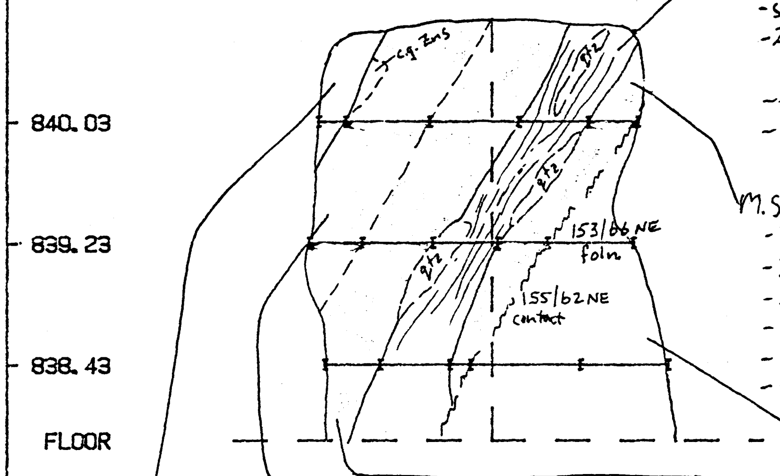
04 H 12 O 12 O 04 O 12 O

12 O 12 O 04 O 12 O 07 F

12 O 04 O 12 O 07 F 07 F

GEOLOGY

ELEVATION



Ser.-qtz. phyll. - vague banding, 1-10mm
- ser. in foln. plane
- 25% c.g. qtz. lenses, contain c.g. ZnS (bk), PbS, CPy, Py
- foln. wraps around qtz lenses.
- 10% Py, 1% ZnS (red-brwn) 1% As, f.g. in disc. layers parallel to foln. + diss.

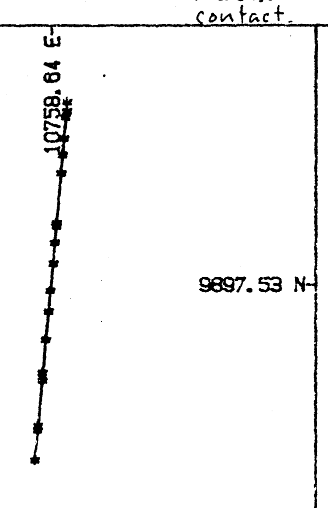
M.S. - f.g.
- 35% Py, m.g., rounded grains ≤ 2mm
- 30% As, f.g.
- 20% ZnS, red-brwn, f.g. + sml. amt. c.g.
- 10% CPy, f.g.
- 5% qtz, small eyes 1-10mm
- f/w contact slip surface, 3mm gouge

Qtz.-ser. phyll - vague bndd.
- 5% Py, m.g., in bands 1-3mm
- <1% ZnS, red-brwn in bands w/ Py
- ser. in foln. plane

Ser.-qtz. phyll.
- vaguely banded, qtz. bands 1-5mm.
- ser. in foln. plane
- sulp 5%, m.g.; red-brwn ZnS, PbS, Py
- sulp in x-cutting stringers with qtz + as discont. bands parallel to foln.

M.S. - f.g., milled
- qtz eyes ≤ 1cm, lenses up to 3cm thick (5%)
- 50% ZnS, red-brwn, f.g.
- 10% Py, rounded grains ≤ 3mm
- 35% As, f.g.
- tr. PbS, m.g.
- at h/w contact bk ZnS (c.g.) in f.g. PbS, Py, CPy
- f/w contact fairly sharp, ZnS decreases over ~5cm across contact.

M.S. - f.g.
- qtz. eyes 2-10mm, less common than upper half
- patchy qtz at f/w contact (5%)
- 40% As, f.g.
- 35% Py, most f.g., some m.g. rounded grains.
- 15% CPy, f.g.
- 15% ZnS, red-brwn, f.g.
- tr PbS



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 171

10758.64 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

FACE# 172
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44103	.50	7.91	16.30	3.030	132.9	8.3
44104	1.00	9.11	8.69	.051	170.1	1.1
44105	.47	18.70	11.10	7.670	409.6	7.9
44106	.28	6.73	16.30	2.990	104.8	4.9
44107	1.00	7.99	1.64	.177	159.5	3.7
44108	.41	5.92	14.60	8.590	107.7	9.5
44109	.70	.40	.51	.284	12.7	.3

SAMPLE NUMBERS

044103 044104 044105

044106 044107 044108 044109

044110 044111 044112 044113

GEOLOGY CODES

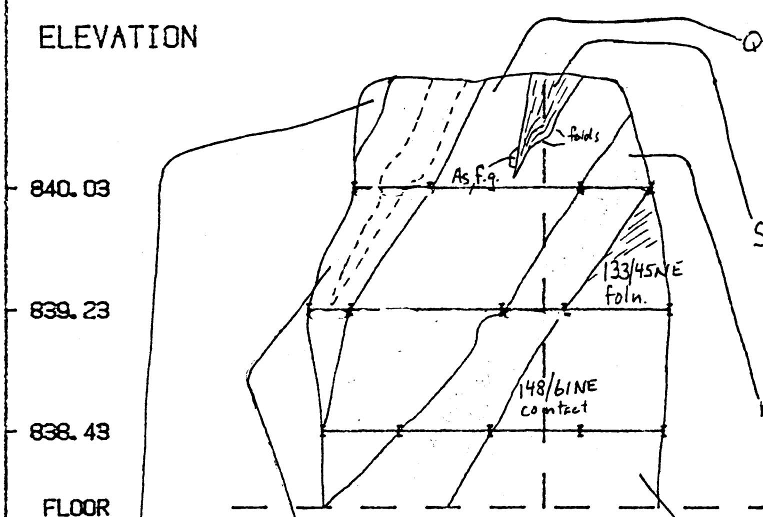
12 O 13 O 12 O

12 O 13 O 12 O 07 F

13 O 12 O 07 F 07 F

GEOLOGY

ELEVATION



Qtz. - c.g., white
- 20% m.-c.g. sulp: PbS (60%), ZnS (red-brwn, 25%), CPy (15%)
- sulp occurs as 1-5mm wide strs in fractures
- sm. amt. ser-qtz. phyl. along margins
- 2 main frct orientations: 295/60NE + 045/10SE

Ser-qtz. phyl. - med. bndd
- m.g. Py (10%) + f.g. red-brwn ZnS (1%) in discont. bands $\leq$10mm thick
- qtz layers 3-10mm thick
- small folds along f/w. contact

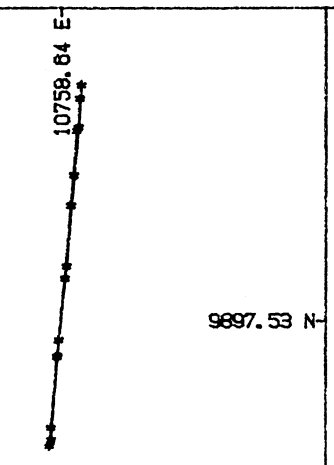
M.S - faint thin bndd
- 40% As, f.g.
- 25% ZnS, f.g., red-brwn
- 10% Py, f.g. to m.g.
- 10% CPy, f.g.
- 10% PbS, f.g., occurs in 3cm layer along h/w contact
- 5% qtz, occurs as a few lenses 1-2cm thick.

Qtz-ser. phyl. - vague bndd., 1-10mm
- ser. in foln.
- banding parallel to foln.
- 2% Py, m.g., in bands + diss.
- $<$1% ZnS, red-brwn, f.g., in bands
- tr CPy, f.g.

Ser-qtz phyl.
- med bndd, bands 1-10mm
- ser. in foln.
- 1% ZnS, red-brwn, f.g + 1% Py, m.g. in 1-10mm bands parallel to foln.
- 3cm As rich layer at f/w contact, non conformable w/ contact.

M.S. - outer part
- 50% ZnS, red-brwn, f.g.
- 20% Py, m.g., rounded 1-2mm
- 20% As, f.g.
- 10% CPy, f.g.
- qtz. eyes 5-10mm along f/w contact

M.S. - inner part
- layers of translucent qtz + ser-qtz phyl. 1-10mm thick
- ZnS (f.g.), Py (m.g., rounded), As (f.g.) also in 1-10mm bands



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 172

10761.867 EAST

SCALE 1:50

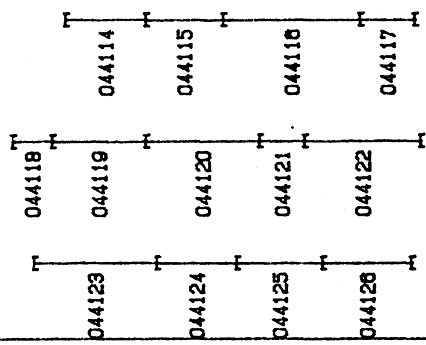
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

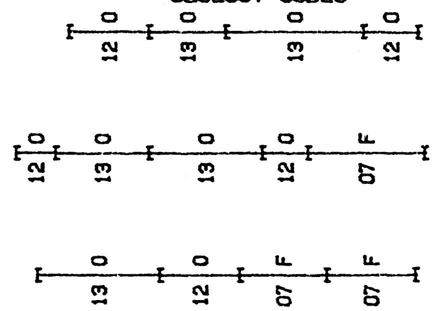
FACE# 173
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44114	.53	10.60	16.00	1.840	142.6	6.2
44115	.51	9.09	8.52	.111	176.9	.7
44116	.91	8.21	10.30	1.520	186.9	3.0
44117	.36	12.80	3.78	8.120	281.7	11.7
44118	.26	7.30	14.10	5.050	213.2	8.9
44119	.62	3.36	3.72	.132	78.9	1.3
44120	.75	11.10	1.70	.040	254.1	1.6
44121	.30	3.96	16.80	9.700	98.8	10.2
44122	.76	.28	.38	.288	9.4	.2

SAMPLE NUMBERS

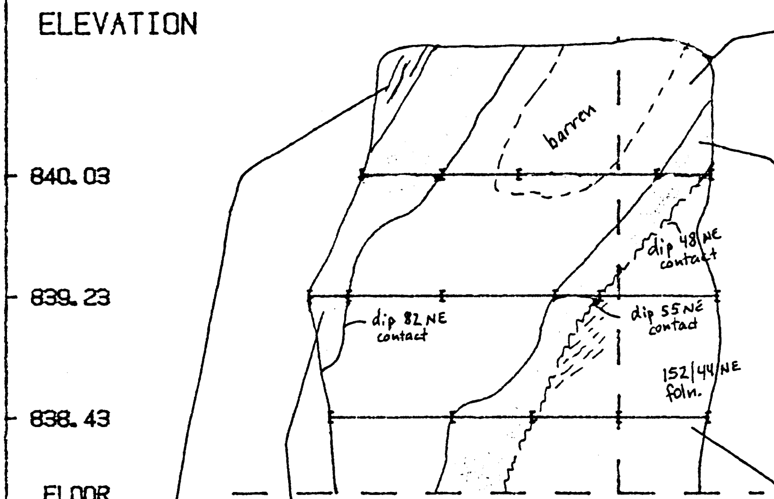


GEOLOGY CODES



GEOLOGY

ELEVATION



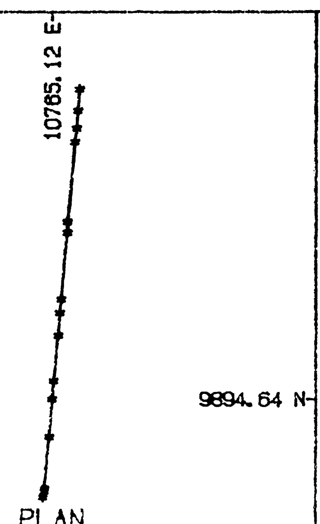
Qtz. - wh., c.g.
- 15% sulp: PbS (35%), CPy (15%), ZnS (red-brwn, 50%)
- sulp. predom c.g., some m.g.
- sulp. as strs filling fractures
- most sulp w/in 20cm of margin
- core at top is essentially barren.
- some lenses of the qtz. in M.S. along both margins.

M.S. - faint med. bndd
- 35% As, f.g.
- 35% ZnS, red-brwn, f.g.
- 20% Py, m.g.
- 5% PbS, f.-m.g.
- tr. Po, f.g.
- Py concen. in upper half of layer
- lenses of qtz. w/ c.g. sulp as in qtz above

Ser.-qtz. phyl.
- med bndd.
- 2% ZnS, f.g., red-brwn, in bands 1-5mm thick
- <1% Py, m.g., diss.
- some As starting 20cm above f/w contact.

m.s.
- faint med. bndd.
- 50% ZnS, f.g., red-brwn
- 20% Py, m.g., rounded, concen. 20cm above f/w
- 20% As, f.g.
- 5% CPy, f.g.
- 5% qtz, wh. eyes 1-10mm + translucent in one fracture

Qtz.-ser. phyl.
- ser. in foln.
- 5% qtz lenses up to 2cm thick, 10cm long
- <1% ZnS, f.g., red-brwn, diss. + faint thin bndd.
- tr PbS, mg., diss.
- tr Po, f.g., in foln.
- foln. slightly discordant w/ sulp.
- ~1cm gouge, h/w contact



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 173

10765.12 EAST

SCALE 1:50

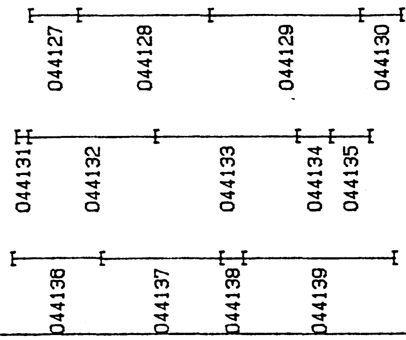
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT. B.C.

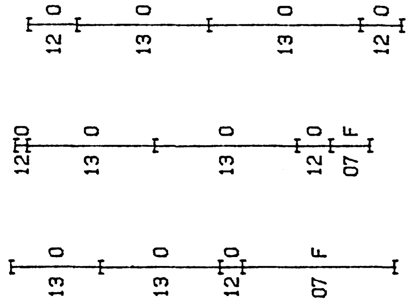
FACE# 174
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44127	.32	11.70	18.60	2.390	181.4	7.9
44128	.87	7.36	.61	.035	165.4	.5
44129	1.00	2.52	2.92	.347	59.9	.4
44130	.27	2.37	3.05	8.450	47.3	5.5
44131	.08	11.70	17.60	2.590	185.6	6.4
44132	.84	.76	.77	.039	17.8	.7
44133	.94	2.33	3.36	2.740	60.6	2.5
44134	.22	.30	3.15	5.570	10.5	2.5
44135	.26	.05	.08	.682	2.4	.3

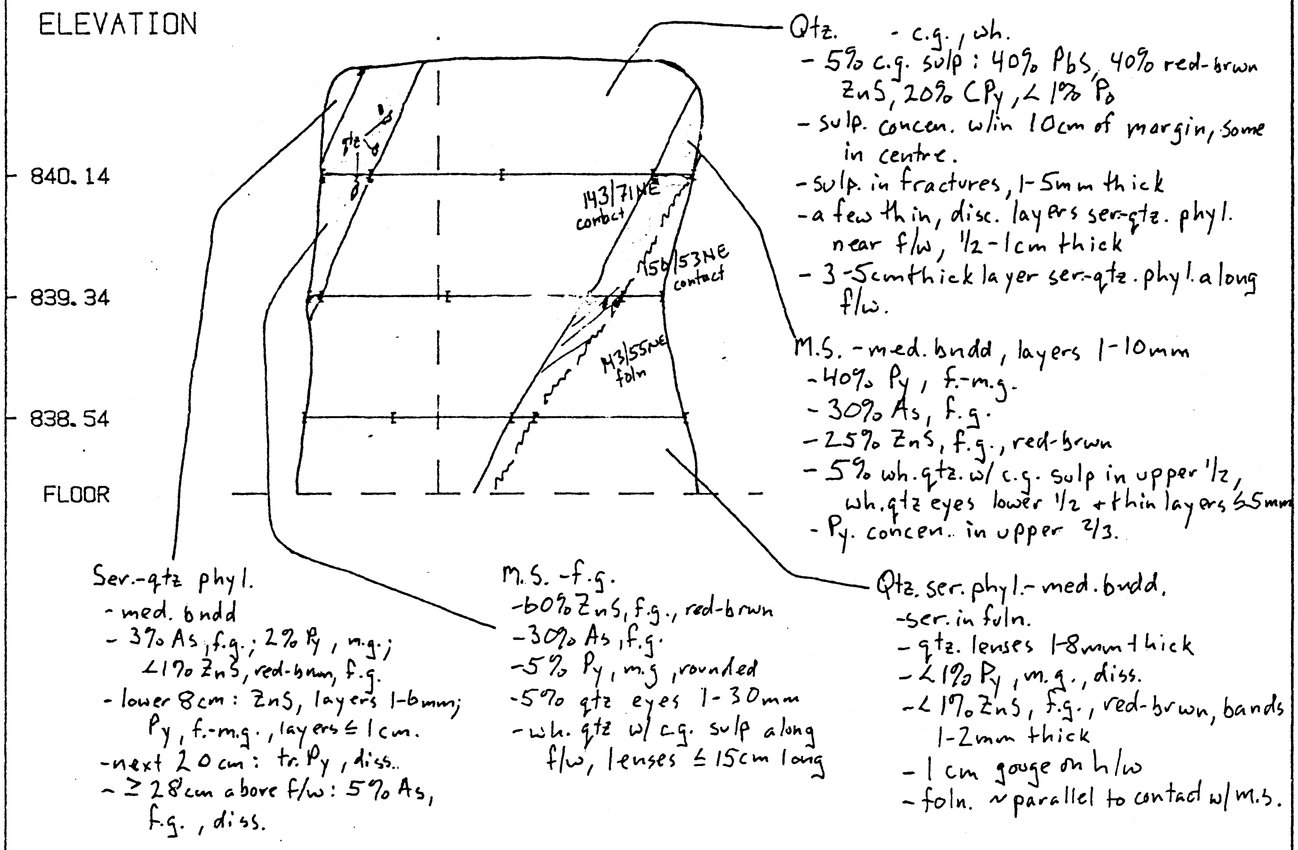
SAMPLE NUMBERS

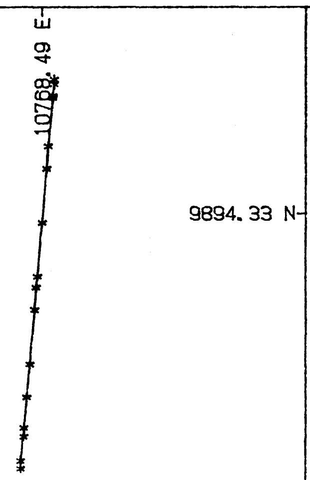


GEOLOGY CODES



GEOLOGY





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 174

10768.49 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

FACE# 175
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44141	.42	1.75	7.05	.174	25.1	.9
44142	.46	13.40	17.90	2.100	200.6	8.5
44143	.98	.56	1.08	.029	14.8	.3
44144	.47	1.34	4.19	1.300	25.7	1.0
44145	.16	4.20	10.70	4.140	91.8	4.9
44146	.70	12.50	19.90	2.250	186.4	7.6
44147	.79	3.05	7.68	.734	63.6	.8
44148	.34	10.80	14.10	6.370	238.0	8.8
44149	.88	.35	.58	1.050	10.9	.7

SAMPLE NUMBERS

044141 044142 044143 044144 044145

044146 044147 044148 044149

044150 044151 044152 044153 044154

GEOLOGY CODES

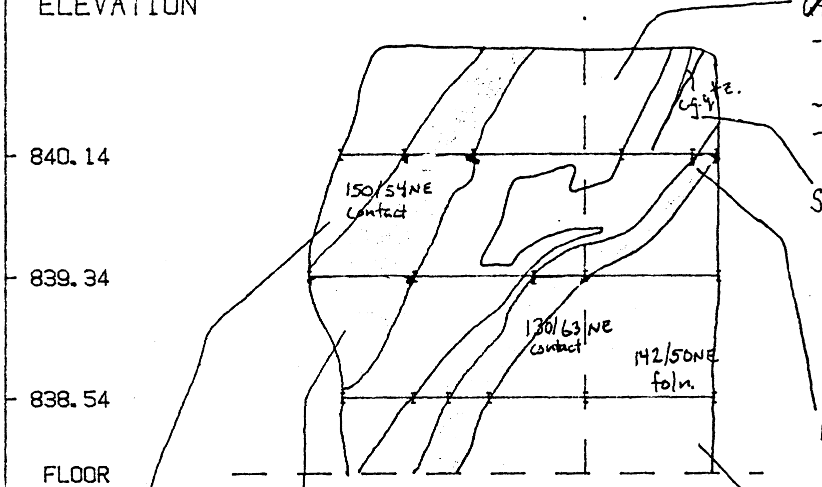
04 H 12 O 13 O 04 O 12 O

12 O 13 O 12 O 07 F

13 O 04 O 12 O 07 F 07 F

GEOLOGY

ELEVATION



Qtz. - c.g., wh.
-5% sulp: 60% ZnS, red-brwn. c.g.; 25% PbS, c.g.; 15% CPy, m.-c.g.
-sulp. only w/in 3-5 cm of margin.
-also occurs as lenses w/c.g. sulp. in MS. above + below.

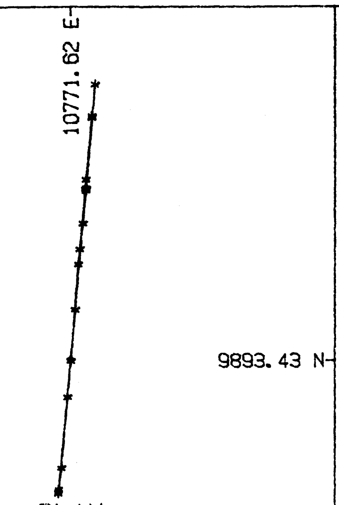
Ser-qtz. phyl. -fine bndd.
-ser. in foln.
-2% ZnS, red-brwn, f.g.; <1% Py, f.g.; <1% PbS, f.g.; tr. CPy, m.g.
-2% qtz -wh. lenses, 1-3 cm thick
-fingers of c.g. qtz. w/c.g. sulp. towards top of face.

MS. -
-35% Py, f.-m.g.
-25% ZnS, f.g., red-brwn
-20% As, f.g.
-tr CPy, c.g.
-20% qtz.
- most sulp. f.g., faint med. bndd
- c.g. sulp in wh. c.g. qtz lenses
- Py. concen. in 1-4 cm thick band
- qtz. eyes ½-4 cm + lenses 2-6 cm thick

Ser-qtz. phyl.
- med bndd.
-ser. in foln.
-5% ZnS, f.g., red-brwn
-5% As, f.g.
-tr. Py, m.g.
-sulp. predom. in lower 20 cm: 15% ZnS, 15% As in 1-10 mm bands.

M.S. -f.g.
-50% ZnS, f.g., red-brwn
-45% As, f.g.
-<1% Py, f.-m.g., rounded, ≤5 mm
-5% wh. qtz.; eyes 5-20 mm, lenses 2 mm-5 cm thick

Qtz.-ser. phyl. -med. bndd
- 1% ZnS, red-brwn, f.g.; <1% Py, m.g. in bands ½-2 mm thick
-3% qtz, lenses + bands ½-5 cm thick.



BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 175

10771.62 EAST

SCALE 1:50

1 METER

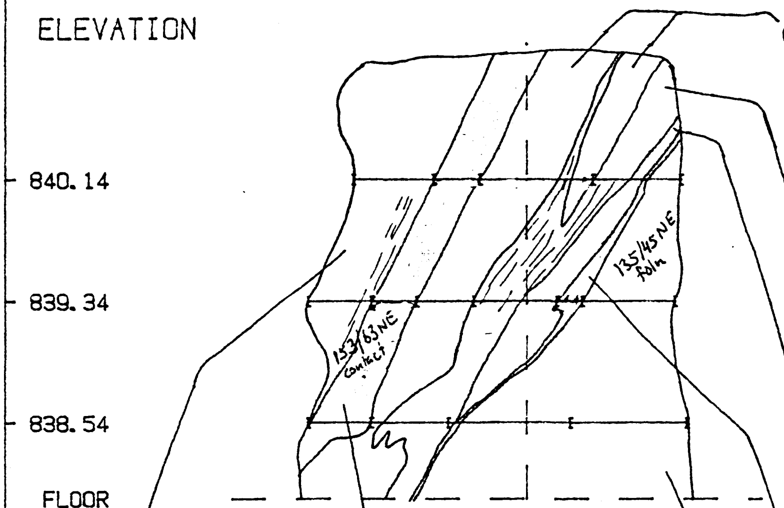
SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

FACE# 176
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44155	.51	.21	.46	1.140	7.8	.4
44156	.31	11.70	18.30	2.040	153.6	7.5
44157	.75	3.80	5.74	.257	76.0	2.8
44158	.58	6.36	3.10	.788	135.9	.5
44159	.42	.25	.76	.606	7.5	.7
44160	.30	12.06	18.90	2.130	186.7	7.3
44161	.38	3.62	5.92	.926	66.4	.8
44162	.55	2.78	7.16	.453	58.6	.4
44163	.17	3.32	5.92	4.770	80.8	3.5
44164	.61	.10	.13	.224	6.0	.2

SAMPLE NUMBERS	GEOLOGY CODES
044155, 044156, 044157, 044158	04 H, 12 O, 13 O, 04 O
044159, 044160, 044161, 044162, 044163, 044164	04 H, 12 O, 13 O, 04 O, 12 O, 07 F
044165, 044166, 044167, 044168	12 O, 04 O, 07 F, 07 F

GEOLOGY



Qtz. -wh., c.g.
- sulp. 10% : 40% ZnS, c.g., red-brwn; 40% PbS, m.-c.g.; 20% CPy, c.g.; tr. Po, c.g.
- sulp. in fractures, 1-5mm thick
- fractures predom. ~ parallel to f/w.

Ser-qtz. phyl. -med. bndd. bands 1-5mm
- 5% As, f.-m.g., bands 2-10mm
- 3% ZnS, f.g., bands 1-2mm
- 2% Py, m.g., diss. & bands 1-5mm
- ser. in foln.

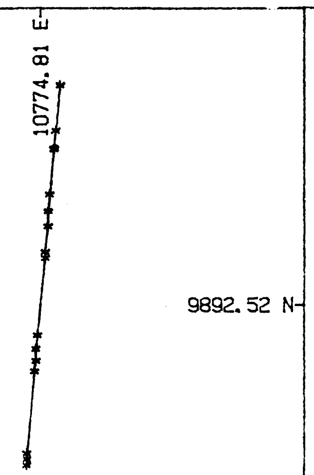
Ser-qtz. phyl./qtz vein interfingered.
- both rocktypes as desc. above
- ser./qtz. ~ 50/50
- c.g. sulp in qtz. mainly along margins
- a few lenses 1-2cm thick of f.g. M.S, same comp. as f/w M.S.

M.S. -f.g., med. bndd, bands 1-5mm
- 50% As, f.-m.g.
- 30% ZnS, f.g., red-brwn
- 20% Py, f.-m.g.
- sulp. c.g. at contact w/ qtz

Qtz.-ser. phyl - med. bndd
- 2% Py, f.-m.g.; <1% ZnS, f.g., red-brwn in bands 1-2mm thick
- qtz. lenses 1-5cm thick
- ser. in foln.

Ser-qtz. phyl.
- med. bndd.
- 1% ZnS, f.g., red-brwn, discon. bands 1-2mm thick
- <1% Py, f.-m.g., diss.
- banding parallel to foln., foln. ~ parallel to f/w contact.

M.S.- f.g.
- 60% ZnS, f.g., red-brwn
- 40% As, f.g.
- <1% Py, f.-m.g., rounded
- 2% qtz. eyes, wh., 1-20mm
- f/w contact w/ qtz. irreg.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 176

10774.81 EAST

SCALE 1:50

1 METER

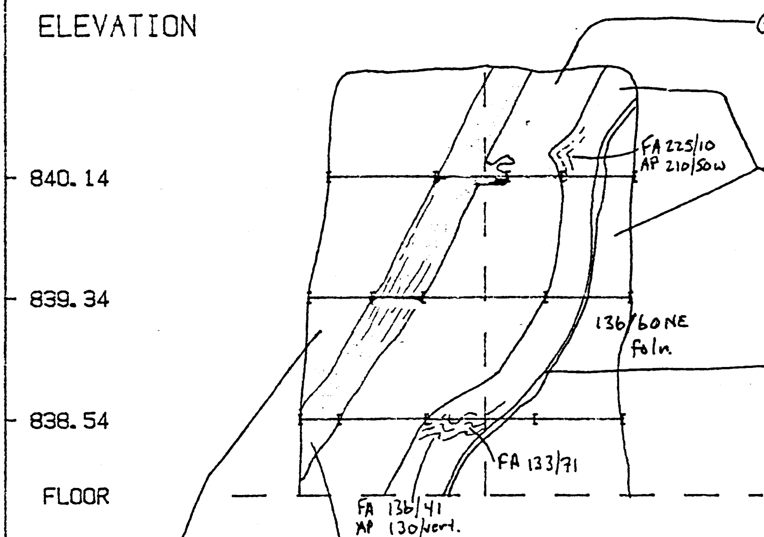
SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

FACE# 177
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44169	.71	.61	.68	1.330	15.3	.9
44170	.48	11.20	16.80	2.130	168.1	8.8
44171	.36	3.92	15.30	2.070	79.9	4.4
44172	.48	1.54	9.03	.810	34.1	.9
44173	.42	.16	.40	.687	.3	.6
44174	.34	11.40	19.50	2.090	174.9	6.8
44175	.81	5.24	9.20	.226	111.5	.9
44176	.56	.58	2.06	.226	16.1	.3

SAMPLE NUMBERS	GEOLOGY CODES
044169, 044170, 044171, 044172	04 H, 12 O, 13 O, 07 F
044173, 044174, 044175, 044176	04 H, 12 O, 13 O, 07 F
044177, 044178, 044179, 044180	12 O, 13 O, 07 F, 07 F

GEOLOGY



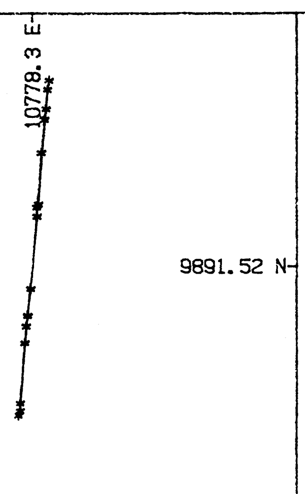
Qtz - wh., c.g.
- 10% sulp: 40% PbS, c.g.; 40% ZnS, red-brwn, c.g.; 20% CPy, c.g.; tr. Po, m.g.
- sulp. in fractures, 1-5mm thick

Qtz-ser. phyl. - med. bndd.
- 5% Py, f.-m.g., diss. + bands ≤ 1cm
- 1% ZnS, f.g., red-brwn, bands 1-5mm
- tr. CPy, f.g., bands ≤ 5mm
- 5% wh. qtz. bands + lenses 5-20mm
- ser. in foln.

Qtz. - wh., c.g.
- varies 1-10cm thick, parallel to foln.
- 35% sulp.: 60% ZnS, red-brwn., c.g.; 30% PbS, m.-c.g.; 10% CPy, c.g.
- f.g. MS along f/w of qtz.:
  - faint med. bndd., bands 1-5mm
  - 50% Py, f.-m.g.; 35% As, f.g.; 25% ZnS, f.g.
  - layer varies 0cm at top of face to 5cm at bottom.

Ser-qtz. phyl.
- med. bndd.
- ser in foln.
- 2% Py, f.-m.g., diss + bands 1-5mm
- 2% ZnS, f.g., red-brwn, bands 1-2mm
- <1% As, f.-m.g., bands 1-5mm
- 5% qtz. wh., bands 5-10mm

M.S. - f.g., faint med. bndd.
- 60% ZnS, f.g., red-brwn
- 30% As, f.g.
- 5% Py, f.-m.g., diss.
- 5% qtz, wh., eyes 5-20mm + lenses 1-5mm wide (sheared eyes?)
- Py concen. top 2-5cm, also several ZnS bands 2-5mm.
- bands parallel to contacts



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 177

10778.3 EAST

SCALE 1:50

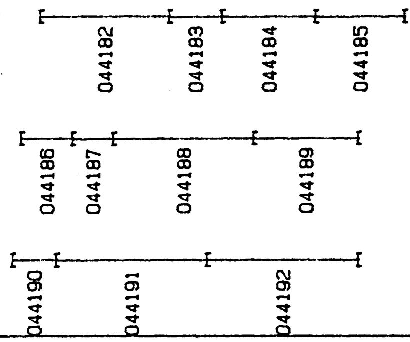
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

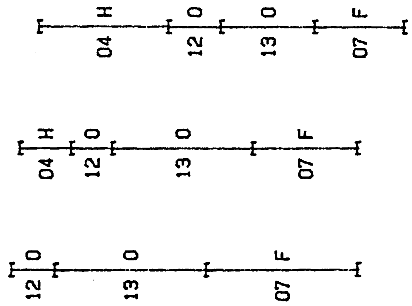
FACE# 178
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44182	.85	3.62	11.30	1.390	93.4	2.5
44183	.35	4.90	13.30	1.960	85.4	3.0
44184	.62	11.40	5.74	.127	229.3	.4
44185	.59	3.92	6.10	1.620	79.5	1.4
44186	.34	.14	.15	.061	3.3	.1
44187	.27	11.00	17.90	2.390	177.1	6.6
44188	.93	4.00	9.39	.144	80.2	1.4
44189	.69	.86	4.11	1.510	29.3	.8

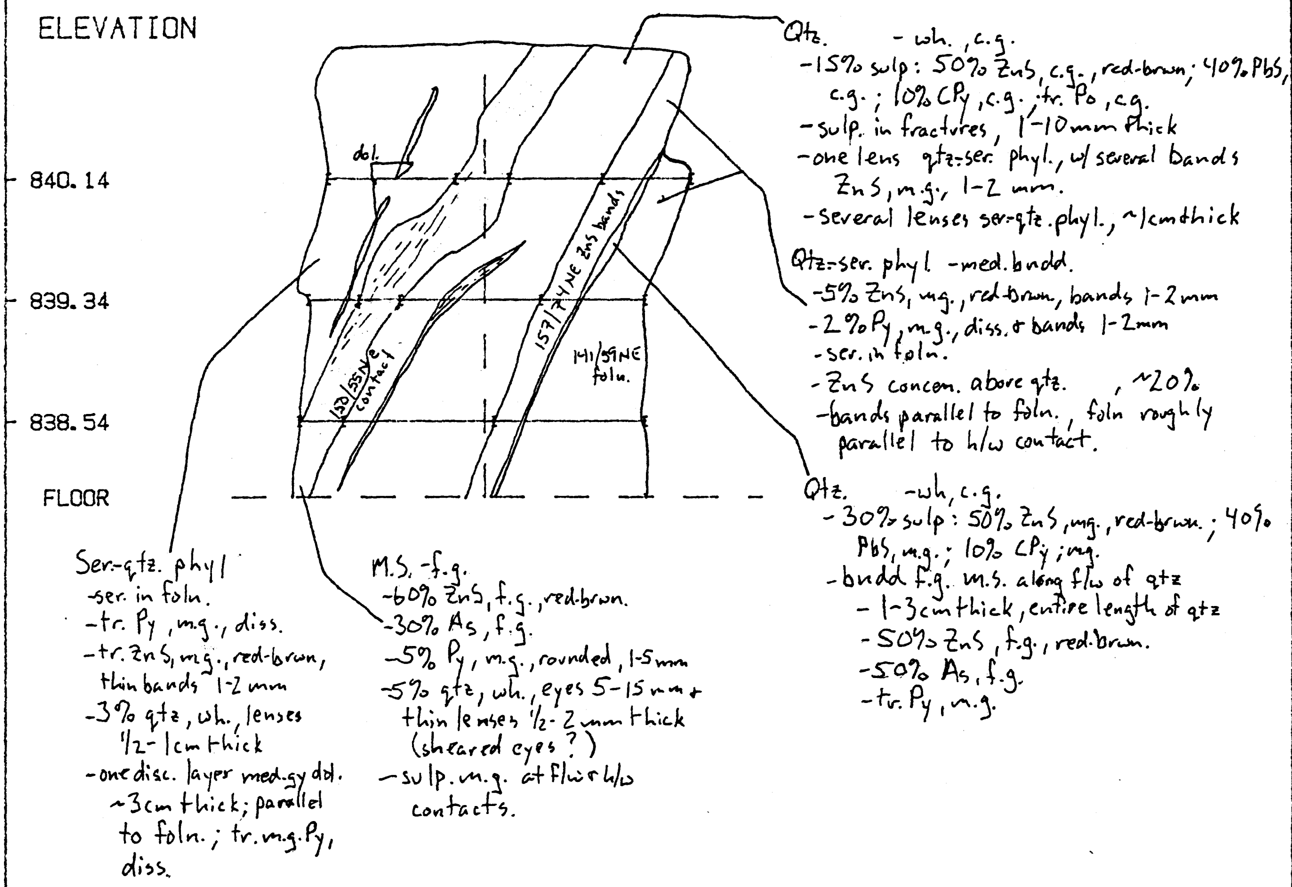
SAMPLE NUMBERS

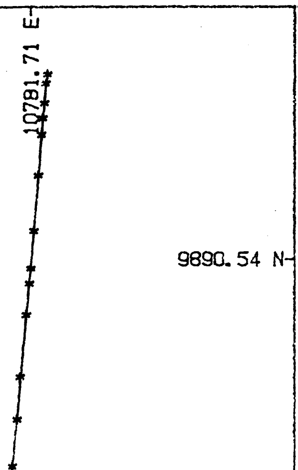


GEOLOGY CODES



GEOLOGY





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 178

10781.71 EAST

SCALE 1:50

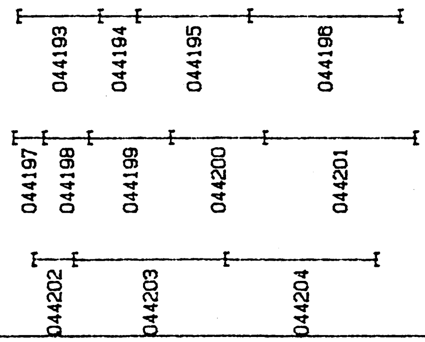
1 METER

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

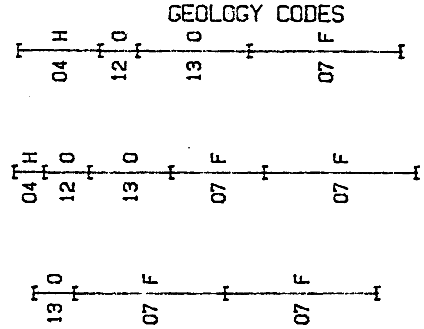
FACE# 179
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44193	.54	.01	2.17	.005	2.4	.4
44194	.25	8.96	19.90	2.810	47.0	9.7
44195	.74	.53	5.64	.186	.3	.3
44196	1.00	.42	2.06	7.940	8.6	.9
44197	.20	.02	.07	.075	3.8	1.0
44198	.30	3.08	20.20	3.870	69.6	9.9
44199	.54	.91	6.30	.141	1.4	.1
44200	.62	.17	11.50	.158	1.3	.1
44201	1.00	.01	.11	.028	1.3	1.4

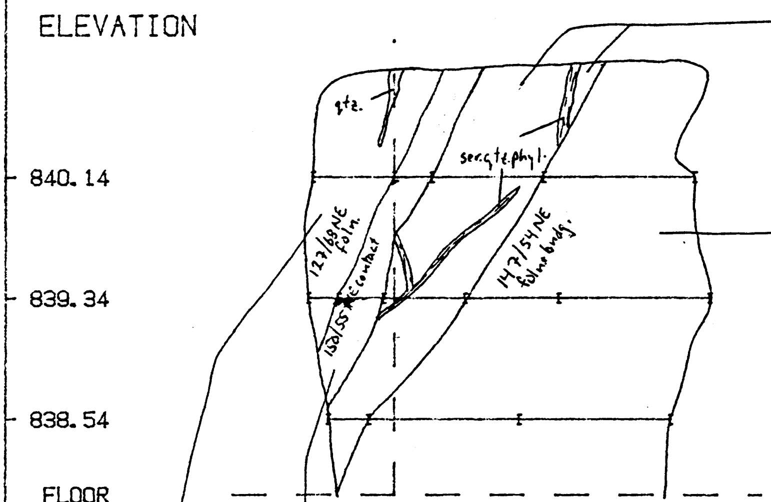
SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY

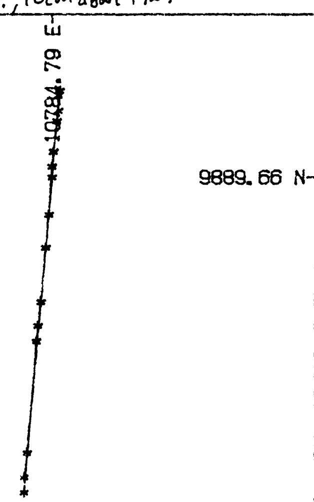


Qtz. -wh., c.g.
- 5% sulp: 80% ZnS, red-brwn, c.g.; 10% CPy, c.g.; 10% PbS, c.g.
- lenses ser-qtz. phyl. 1-4cm.
- sulp. along margins of qtz + qtz-ser. phyl. & in fractures.

Qtz-ser. phyl.-med. bndd, bands 1-10mm
- 10% ZnS, f.g., red-brwn.
- 3% As, m.g.
- 3% Py, m.g., diss. + bands 1-5mm
- 10% qtz, wh. lenses 5-10mm thick
- ZnS concen. top 30cm (25% of rock), bands 1-5mm
- As concen. in 6cm layer immed. below ZnS (30cm below h/w); 50% As, 50% qtz.
- bands ~ parallel to f/w contact.

Ser-qtz. phyl.
- med. bndd, bands 1-10mm
- 1% Py. m.g., diss.
- 1% ZnS, red-brwn, f.g., layers 1-5mm
- wh. qtz. lenses 5-10mm
- lenses c.g. wh. qtz. w/ c.g. ZnS, PbS, CPy; 1m above f/w; 15% sulp.
- 4cm band med gy dol. parallel to foln., 10cm above f/w.

M.S. - f.g.
- 60% ZnS, red-brwn, f.g.
- 30% As, f.g.
- 5% Py, m.g., rounded, 1-3mm, diss. + in patches ≤ 1cm.
- 5% wh. qtz. lenses, 1-2cm, + eyes 3-10mm; also thin disc. bands 1-2mm (sheared eyes?)
- Py + As concen. in upper half



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 179

10784.79 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

FACE# 180
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44205	.61	.40	1.08	.230	.3	.4
44206	.30	5.24	16.60	1.840	98.6	3.5
44207	.69	.45	.82	5.850	7.5	1.3
44208	.80	.14	.06	2.520	.3	1.7
44209	.31	.09	.06	.229	.3	.2
44210	.24	5.81	21.70	1.910	104.9	5.5
44211	.70	.12	2.22	.192	.3	.3
44212	.68	.31	.13	5.030	10.6	3.1
44213	.78	.01	.04	.063	.3	.4

SAMPLE NUMBERS

044205 044206 044207 044208

044209 044210 044211 044212 044213

044214 044215 044216 044217 044218

GEOLOGY CODES

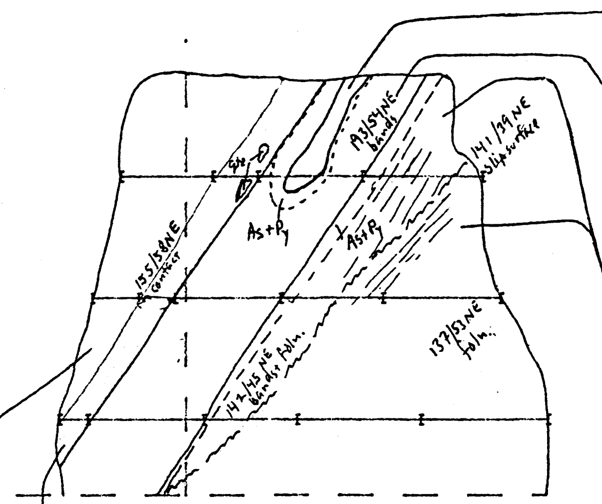
04 H 12 O 07 F 07 F

04 H 12 O 07 F 07 F 07 F

12 O 07 F 07 F 07 F 07 F

GEOLOGY

ELEVATION



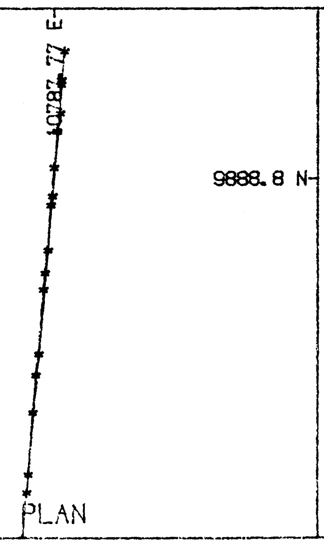
Qtz. -wh., c.g.
-2% c.g. sulp: 60% PbS, 40% ZnS (red-brwn); sulp. in fractures

Qtz-ser. phyl. -med bndd
-10% ZnS, red-brwn, bands 1-5mm
-1% Py, m-c.g., bands 5-10mm + diss.
-1% As, f.g., diss.
-banding slightly discordant w/ M.S.
-As+Py concen. along margin of qtz.

Qtz.-ser. phyl. -med. bndd.
-tr. ZnS, f.g., red-brwn, thin bands 1/2-1mm
-1% Py, m.g.
-1% As, f.g.
-Py+As concen. in top 3-15cm, sulp. ~30%
-wh. qtz. lenses 5-15mm, parallel to bands + foln.
-1-3mm gouge along slip surface
-ser. in foln.

Ser-qtz. phyl.
-slightly calcareous
-med. bndd, bands parallel to foln.
-1% Py, m-c.g., irreg. bands 5-10mm
-tr. ZnS, f.g. red-brwn, thin disc. bands 1/2-1mm.
-ser. in foln.

M.S. -f.g.
-50% ZnS, f.g., red-brwn.
-40% As, f.g.
-5% Py, m.g., diss.
-5% wh. qtz., eyes 2-20mm
-As+Py concen. lower 3 cm
-c.g. wh. qtz. lenses along flw, 3-10mm thick
-- 2% c.g. sulp.: 40% CPy; 30% ZnS, 30% PbS
--sulp. in fractures



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 180

10787.77 EAST

SCALE 1:50

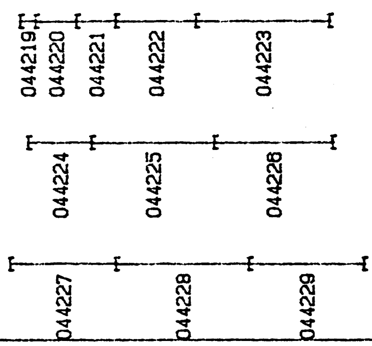
1 METER

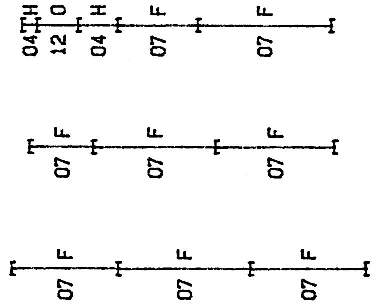
SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

FACE# 181
****

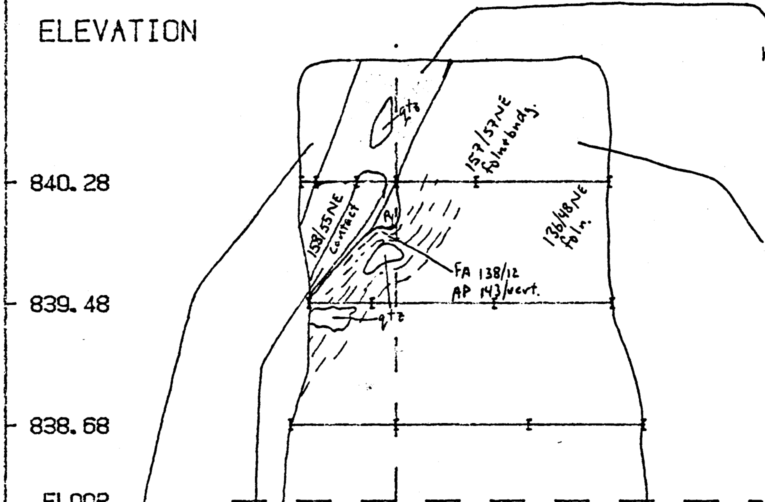
SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44219	.10	.35	.69	3.040	5.7	.5
44220	.27	8.98	17.90	2.360	146.9	8.7
44221	.26	3.80	13.50	1.270	75.5	3.3
44222	.53	.74	1.99	3.230	17.2	.6
44223	.88	.06	.12	.799	.7	.7
44224	.42	.14	.85	1.090	2.5	.9
44225	.81	.03	.05	.793	1.1	.9
44226	.78	.01	.04	.225	.3	.3

SAMPLE NUMBERS	GEOLOGY CODES





GEOLOGY

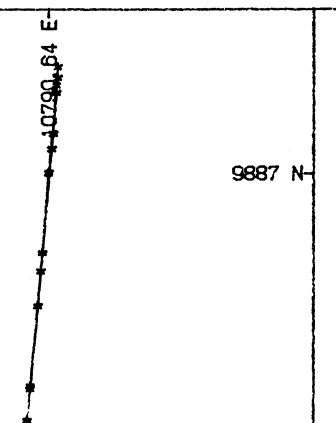


m.s. - f.g.
- 50% ZnS, f.g., red-brwn.
- 40% As, f.g.
- 5% Py, f.-m.g., diss.
- 5% qtz., wh., eyes 5-20mm
- Py concen. in bottom 4cm, patchy.

Qtz-ser. phyl. - med. bndd, bands 1-5mm
- tr. Py, f.g., diss.
- tr CPy, f.g., bands 2-5mm, disc.
- 5% wh. qtz, lenses 5-20mm, parallel to foln.
- sulp. concen in upper 30 cm:
  - -- 10% Py, f.g.
  - -- 1% ZnS, bands 1-8mm
  - -- 1% As, bands 1-5mm
- top 40cm sheared
- two wh. qtz lenses, c.g.
  - -- 2% sulp: 40% CPy, m.g.; 30% PbS, m.g.; 30% ZnS, f.g.
  - -- sulp. in fractures

Ser-qtz. phyl.
- med. bndd, bands 1-10mm
- tr ZnS; red-brwn, f.g., bands 1-3mm
- tr. Py, f.g., diss.
- tr. As, f.g.
- < ZnS predom. w/in 10cm of f/w
- slightly calcareous

Ser-qtz. phyl.
- med. bndd, bands 1-20cm
- tr ZnS, red-brwn, f.g., bands 1-3mm
- tr Py, f.-m.g., disc. bands 1-5mm & diss.
- banding contorted



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 181

10790.64 EAST

SCALE 1:50

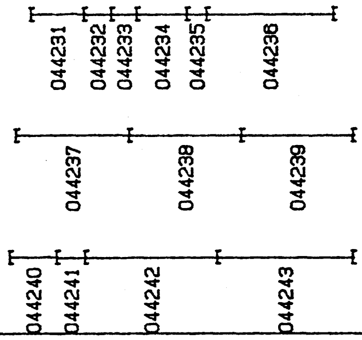
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

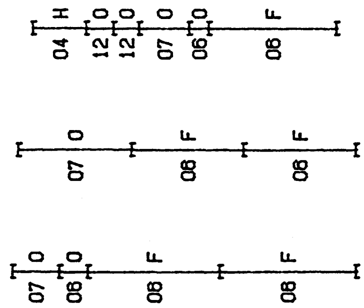
FACE# 182
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44231	.35	.28	4.19	.363	3.1	.3
44232	.18	6.97	17.10	2.040	111.5	6.4
44233	.17	4.34	11.10	3.950	92.0	4.0
44234	.33	.32	.18	7.420	9.0	2.0
44235	.13	1.75	2.32	9.980	47.0	9.9
44236	.84	.03	.04	.130	2.1	.6
44237	.75	.30	.50	.787	6.3	1.2
44238	.74	.01	.02	.078	1.3	1.4
44239	.74	.01	.01	.030	1.7	.3

SAMPLE NUMBERS

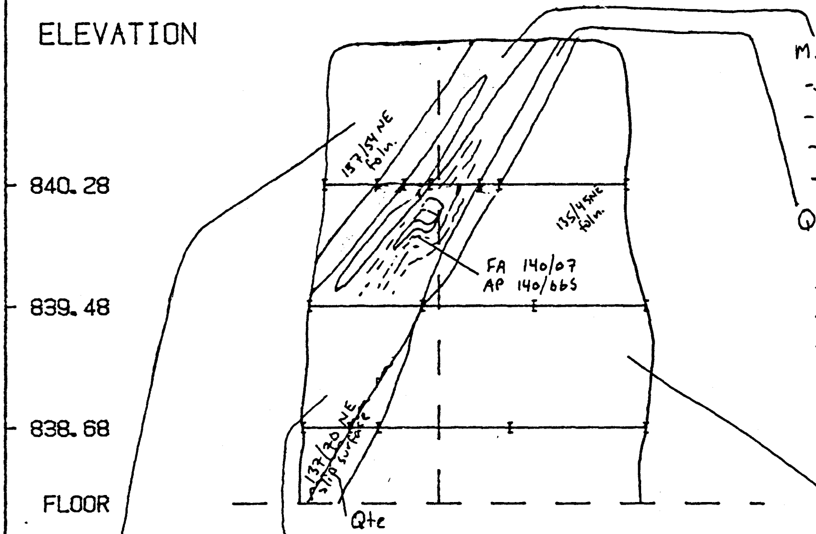


GEOLOGY CODES



GEOLOGY

ELEVATION



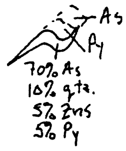
m.s. - f.g.
- 50% ZnS, f.g., red-brwn.
- 40% As, f.g.
- 5% Py, m.g., diss.
- 5% qtz, eyes 5-20mm, lenses 3-5cm

Qtz - med. bndd.
- 60% lt. gy qtz.
- 20% Py, f.-m.g.
- 10% ZnS, f.g., red-brwn
- 10% As, f.g.
- bands 1-5mm

Qtz-chl. phyl.
- 5% wh. qtz. lenses 5-30mm thick, contain some diss. Py.
- qtz. lenses thicker + longer towards f/w.
- tr. Py, diss. + thin lenses 1-2mm
- bands faint, parallel to foln.
- slightly calc.

Ser-qtz. phyl.
- med. bndd, bands 1-10 mm
- ser in foln.
- 5% As, f-m.g, bands 3-5mm
- 2% ZnS, f-m.g., red-brwn, bands 1-5mm
- tr. Py, m.g., diss.
- bands parallel to foln.

Qtz-ser. phyl. - med. bndd.
- 2% Py, f-m.g., diss. + disc. bands 1-2mm
- 2% As, f.g., bands 1/2-2cm
- 1% ZnS, red-brwn, f.g., bands 1-5mm
- sulp. rich area btwn. top + middle lines:



70% As
10% qtz.
5% ZnS
5% Py

banding is contorted

PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 182

10793.33 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

FACE# 183
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44244	.11	.81	3.36	.165	18.9	.3
44245	.47	4.84	14.40	1.720	84.4	4.7
44246	.88	.90	.96	6.580	25.3	5.5
44247	.70	.02	.06	.249	1.2	.2
44248	.06	5.92	16.30	2.330	91.3	5.4
44249	.63	1.42	1.03	.616	13.7	.7
44250	.15	.81	1.23	6.380	17.1	6.2
44251	.70	.02	.03	.334	1.9	.8
44252	.58	.01	.02	.132	1.7	.3

SAMPLE NUMBERS

044244 044245 044246 044247

044248 044249 044250 044251 044252

044253 044254 044255

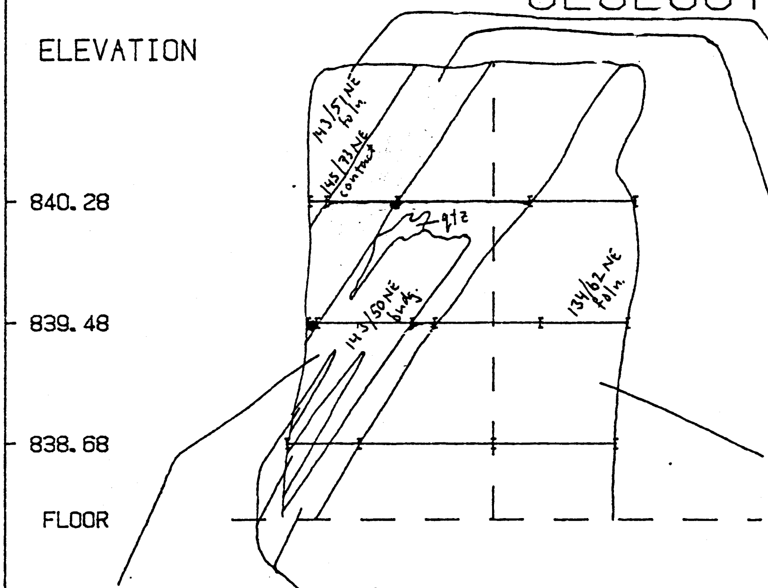
GEOLOGY CODES

04 H 12 O 06 O 08 F

12 O 07 O 08 O 06 F 08 F

06 O 06 F 08 F

GEOLOGY



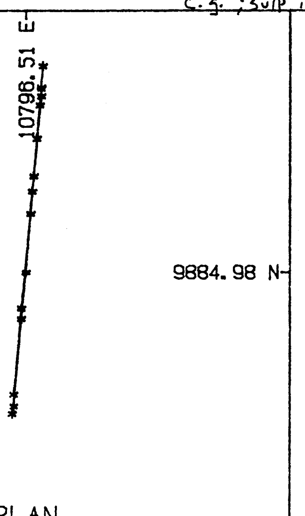
Ser.-qtz. phyl. -med. bndd, slightly calc.
- 1% ZnS, f.g., red-brwn.
- 1% As, f.g.
- tr. Py, m.g., diss.
- Zn + As bands 1-10mm, concen. lower 20cm
- Ser. in foln.; bands slightly discordant w/ f/w.

M.S. - f.g.
- 50% ZnS, f.g., red-brwn
- 43% As, f.g.
- 2% Py, m.g., diss.
- 5% qtz., wh., eyes 3-50mm + lt. grey qtz. lenses, 1-3cm

Qtz-chl. phyl. - med. bndd, slightly calc.
- tr. Py, f.g., thin disc. bands 1-5mm, concen. top 20cm; also diss.
- wh. qtz, bands 5-15mm + lenses 5-15mm.

Qtz-ser. phyl.
- med. bndd, bands 2-10mm
- tr. Py, f.g., diss
- tr. ZnS, red-brwn, f.g., disc. bands 1-3mm
- 20% lt. gy trans. qtz, lenses 5-10mm + bands 2-5mm

Qte.
- 30% sulp.: 60% Py, f.-m.g.; 30% As, f.g.; 10% ZnS, f.g., red-brwn.
- qtz lt. grey, f.g.
- faint bndd, bands 1-15mm
- bands pinch, swell, branch; sub-parallel.
- c.g. wh. qtz.
  - - 15% sulp.: 65% PbS, m-c.g.; 30% CPy, m.g.; 5% ZnS, red-brwn, c.g.; sulp in fractures



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 183

10796.51 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

FACE# 184
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44256	.51	.01	.02	.071	1.9	.1
44257	.62	.19	.17	2.460	5.9	.3
44258	.95	5.61	13.50	1.520	97.3	4.9
44259	.62	14.90	4.43	.718	333.2	4.8
44260	.57	.23	.16	.775	6.5	.3
44261	.39	5.25	14.60	1.980	74.6	5.6
44262	.49	.11	.17	.278	4.5	.3
44263	.44	1.81	1.54	10.700	45.5	63.5
44264	1.00	.06	.04	.230	2.8	.6

SAMPLE NUMBERS

044256 044257 044258 044259

044260 044261 044262 044263 044264

044265 044266 044267 044268

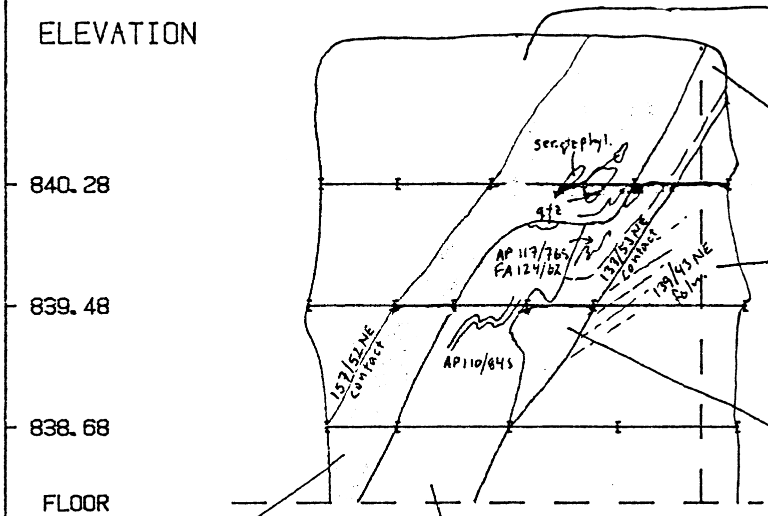
GEOLOGY CODES

04 H 04 H 12 O 08 F

04 H 12 O 04 O 12 O 08 F

12 O 04 O 08 F 08 F

GEOLOGY



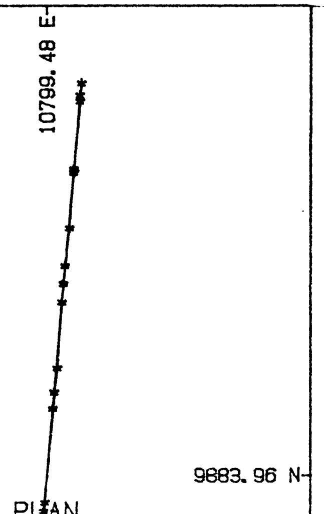
Ser.-qtz. phyl.-med. bndd, bands 1-10mm
- lt. gy translucent qtz. layers 5-10mm, parallel to foln.
- 1% Py, m.g., diss & in qtz. layers
- 1% As, m.g., in several disc. bands 1-3cm w/in 20cm of M.S.
- tr. f.g. ZnS, red-brwn, along margins of As bands, 1mm thick

Qtz-chl. phyl.-med. bndd.
- < 1% Py, f.g.
- tr. ZnS, f.g., red-brwn
- sulp. diss. & thin disc. bands 1-2mm concen. top 30 cm.
- bndg. parallel to foln.
- bndg. & foln. slightly discordant w/ h/w contact.
- numerous small, tight folds in upper part.

M.S. - f.g.
- 50% As, f.g.
- 25% Py, f.-m.g.
- 25% ZnS, red-brwn, f.g.

M.S. - f.g.
- 50% ZnS, f.g., red-brwn.
- 43% As, f.g.
- 2% Py, m.g.
- 5% wh. qtz. eyes, 3-10mm
- wh. c.g. qtz. lenses, 5-15cm
  -- m.-c.g. PbS, CPy, ZnS in & along margins of qtz. lenses.

Ser.-qtz. phyl.-med. bndd
- 2% Py, m.g.
- 2% As, f.g.
- 2% ZnS, f.g., red-brwn
- sulp. diss. & in vague bands
- numerous sm. folds, hinges fairly sharp.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 184

10799.48 EAST

SCALE 1:50

1 METER

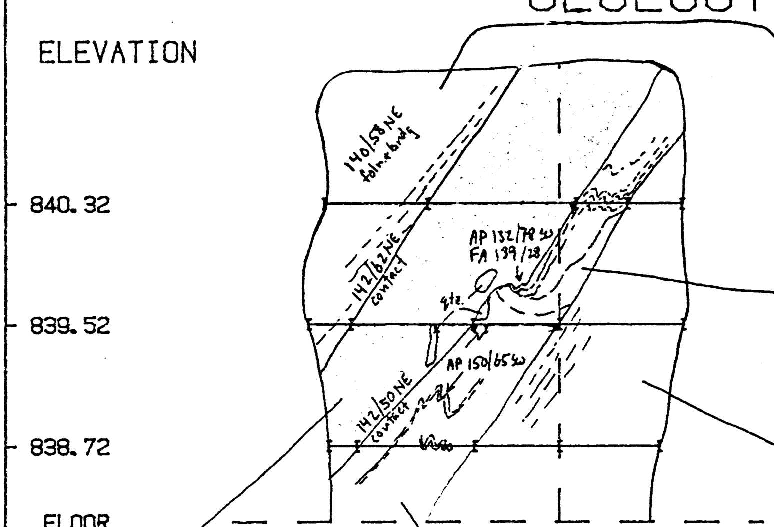
SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

FACE# 185
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44269	.69	.05	.16	.037	2.6	.1
44270	.98	4.12	13.90	1.580	74.0	3.5
44271	.34	4.06	5.22	.667	94.3	1.6
44272	.36	.11	.27	.088	6.0	.2
44273	.28	.10	.72	.138	4.6	.3
44274	.81	3.86	15.80	1.700	74.3	3.8
44275	.57	6.96	5.54	1.790	155.2	6.6
44276	.82	.08	.14	.027	2.5	.2

SAMPLE NUMBERS	GEOLOGY CODES
044269, 044270, 044271, 044272	04 H, 12 O, 07 O, 07 F
044273, 044274, 044275, 044276	04 H, 12 O, 07 O, 07 F
044277, 044278, 044279, 044280	12 O, 07 O, 07 F, 07 F

GEOLOGY



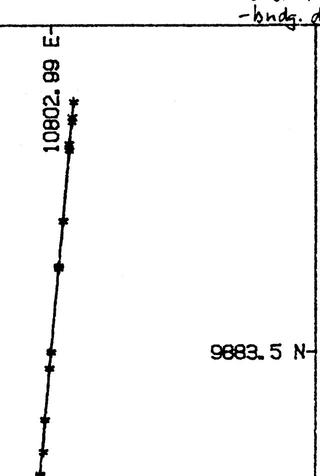
Ser-qtz. phyl.-med. bndd. bands 1-10mm
- <1% Py, m.g., diss.
- 2% ZnS, red-brwn., f.g., bands 1-2mm
- lt. gy. translucent qtz. bands 2-10mm
- sulp. concen. in bottom 30 cm
- 1cm band m.g. Py + f.g. As along f/w contact.
- foln. discordant w/ f/w contact

Qtz. lense-c.g.
- 40% sulp: 50% PbS, m.-c.g.; 40% ZnS, m.-c.g., red-brwn; 10% CPy, c.g.
- sulp. in fractures

Qtz.-ser. phyl.-med. faint bndd.
- tr. Py, f.-m.g.
- tr ZnS, f.g., red-brwn.
- sulp. in thin disc. bands 1-2mm
- wh. qtz. lenses 1-3cm, parallel to foln.
- ser. in foln.

M.S.-f.g.
- 50% ZnS, f.g., red-brwn.
- 40% As, f.g.
- 5% Py, m.g., diss.
- 5% qtz., wh. eyes 3-20mm, lenses 2-5cm
- some qtz lenses 1-5mm, maybe sheared eyes, parallel to contact

Qtz-ser. phyl.-med. bndd.
- 2% ZnS, fg., red-brwn., bands 2-10mm.
- 2% Py, f.-m.g. in bands 2-10mm + diss.
- numerous tight folds
- c.g. wh. qtz. lenses 1-3 cm common.
- silicic layers 1-5cm fairly common, contain 1-2mm bands ZnS, Py, As
- crenulations in fold hinges
- bndg. discordant w/ h/w contact



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 185

10802.99 EAST

SCALE 1:50

1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

FACE# 186
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44282	.62	.04	.13	.018	.6	.1
44283	.74	5.33	16.60	2.080	80.5	5.2
44284	.58	.35	1.51	1.510	7.8	1.1
44285	.36	.98	1.64	4.340	26.7	3.5
44286	.84	4.62	15.30	1.880	90.4	4.3
44287	.77	5.62	5.06	7.080	128.5	8.6
44288	.67	.07	.08	.218	2.4	.3

SAMPLE NUMBERS

044282 044283 044284 044285

044286 044287 044288

044289 044290 044291 044292

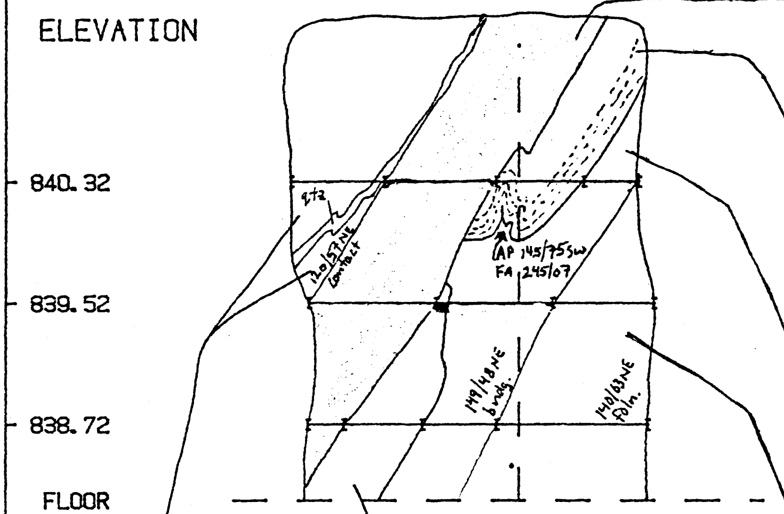
GEOLOGY CODES

04 H 12 O 04 O 07 O

12 O 07 O 07 F

12 O 13 O 07 O 07 F

GEOLOGY



M.S. - f.g.
- 50% ZnS, red-brwn., f.g.
- 40% As, f.g.
- 5% Py, m.g., diss.
- 5% wh. qtz. lenses 1-2cm, eyes 3-20mm; gy. transl. qtz. eyes 5-10mm

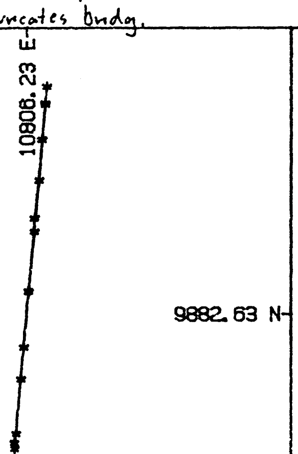
Ser-qtz. phyl. - med. bndd.
- 2% ZnS, red-brwn, f.g.
- 1% Py, f-m.g.
- sulp. in bands 1-3mm concen. lowest 20cm.
- fold truncated by M.S.

Qtz-ser. phyl. - med. bndd, fairly silicic
- 16% Py, m.g.
- 8% ZnS, red-brwn, f.g.
- 8% As, f.g.
- sulp. in bands 1-20mm, most 2-5mm
- some bands all Py, rest all three sulp.

Ser-qtz. phyl. - med. bndd.
- 2% ZnS; red-brwn, f.g., fairly cont. bands 2-5mm
- 1% Py, f.-m.g., disc. bands 1-2mm
- 1% As, f.-m.g., disc. bands
- bands parallel to foln.
- some sulp. 1/2 mm rim along edges of 2-5mm qtz. bands
- sulp. concen bottom 20cm
- qtz vein, c.g., wh., 5% Py (m.g) in fractures x-cuts foln, truncates bndg.

Qtz. - c.g., wh.
- 15% sulp: 40% PbS, m.g.; 40% ZnS, red-brwn, m.g.; 20% CPy, m.g.
- sulp. in fractures
- stringers of M.S. + ser. qtz. phyl.

Qtz-ser. phyl. - med. bndd
- 1% ZnS, red-brwn, f.g., bands 2-5mm, slightly steeper than foln.
- 1% Py, f.-m.g., diss.; smeared out on one slip surface.
- wh. qtz. lenses 5-15mm parallel to foln.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 186

10806.23 EAST

1 METER

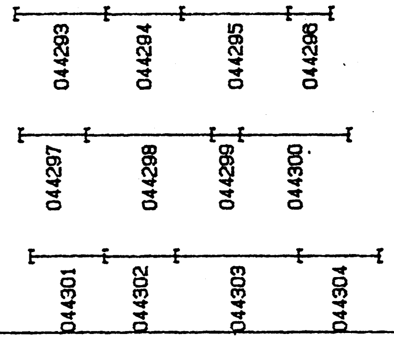
SCALE 1:50

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

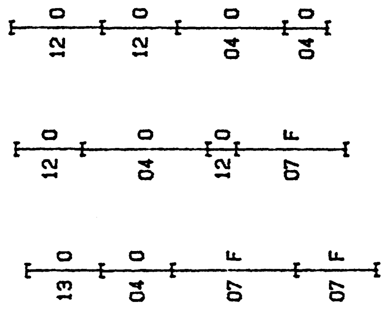
FACE# 187
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44293	.60	3.80	12.30	2.660	71.0	5.1
44294	.50	3.62	13.50	1.480	74.4	3.1
44295	.71	.18	1.79	.264	3.9	.2
44296	.28	.18	1.00	1.000	5.5	.7
44297	.44	3.80	12.30	1.540	80.5	3.1
44298	.83	.91	1.94	1.050	17.8	.7
44299	.19	4.20	5.83	4.830	97.7	4.4
44300	.72	.18	.09	2.630	3.2	.9

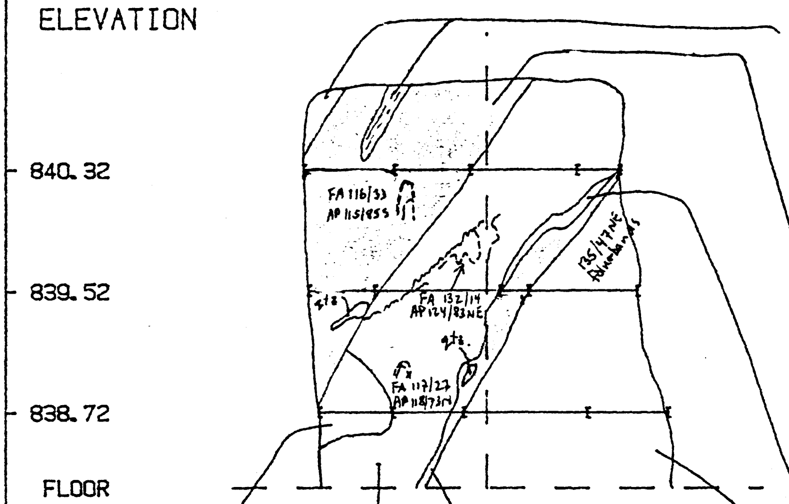
SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY



Ser-qtz. phyl. - med. bndd.
- <1% ZnS, red-brwn, f.g, bands 2-5mm
- tr. Py, m.g., diss.
- sulp. concen. bottom 20cm
- c.g. wh. qtz. lenses 1-5cm, parallel to foln.
- ser. in foln.

M.S. - f.g.
- 50% ZnS, red-brwn., f.g.
- 38% As, f.g.
- 2% Py, m.g., diss.
- 10% qtz.; wh. eyes 3-20mm; c.g. irreg. lenses, 4-10mm, bndd.
- several lenses ser. qtz. phyl. 5-20mm

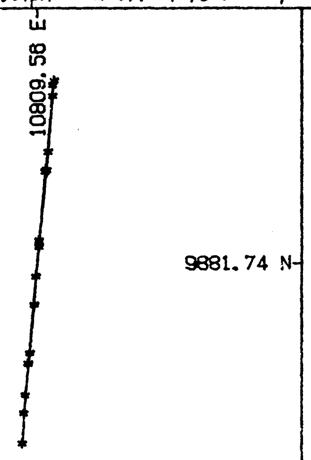
Qtz. - wh., c.g.
- 5% sulp: 45% ZnS, red-brwn, m.g.; 45% PbS, m.g.; 10% CPy, m.g.
- sulp. in fractures
- several f.g. ZnS stringers

Qtz. - wh, c.g.
- 30% sulp: 50% ZnS, red-brwn; 30% Py; 20% As; all f-m.g.
- sulp. stringers fill fractures

M.S. - f.g.
- 55% As, f.g.
- 40% ZnS, red-brwn, f.g.
- 2% Py, m.g., diss.
- 3% qtz., wh. eyes 1-10mm.

Qtz-ser. phyl. - med. bndd., bands 1-10mm
- 1% Py, f.-m.g., disc. bands 1/2-1mm
- <1% ZnS, red-brwn, f.g., disc. bands 1/2mm
- Py concen. top 10cm, most in top 3cm
- Py smeared on slip surfaces

Ser-qtz. phyl. - med. bndd.
- bands 1-10mm, very contorted
- 30% sulp: 40% ZnS, f.g., red-brwn; 30% Py, f.-m.g.; 30% As, f.g.
- sulp. in bands 1-10mm,



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 187

10809.56 EAST

SCALE 1:50

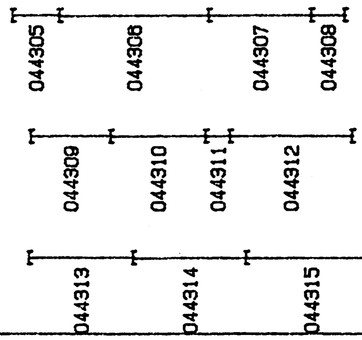
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

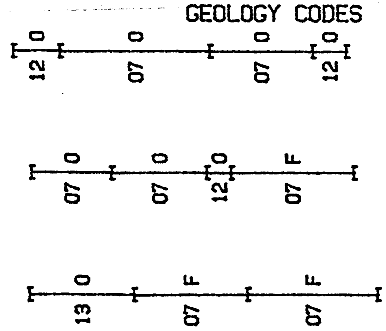
FACE# 188
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44305	.31	4.68	11.70	.961	85.3	3.1
44306	.99	.23	1.58	.649	.8	1.2
44307	.68	.18	.88	.848	.3	.5
44308	.22	5.61	7.30	8.310	117.4	9.4
44309	.53	.31	4.35	.388	6.4	.4
44310	.63	.54	2.46	.595	13.2	.5
44311	.16	4.84	5.06	4.930	111.8	4.7
44312	.81	.10	.10	.518	3.0	.4

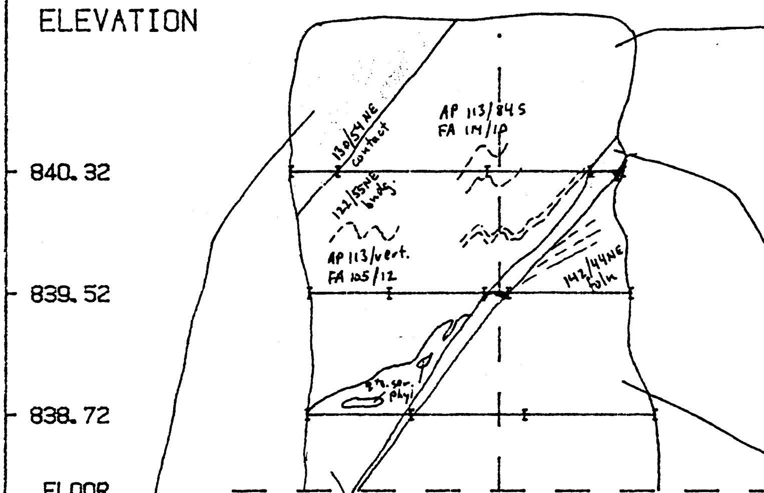
SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY



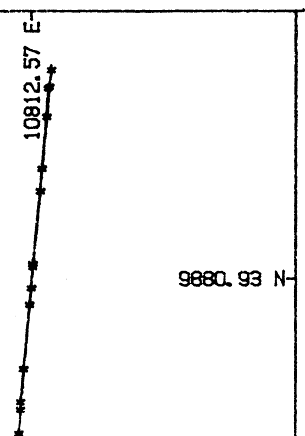
Qtz-ser. phyl. - med. bndd.
- 15% ZnS, f.g., red-brwn, bands 1-15mm
- 5% Py, m.g., bands 1-8mm, diss.
- 1% As, f.g., bands 1-5mm
- bands parallel to foln.
- foln. discord. w/ f/w M.S., slightly discord. w/ h/w M.S.
- ser. in foln.
- slightly calc.

M.S. - f.g.
- 60% As, f.g.
- 35% ZnS, f.g., red-brwn
- 2% Py, m.g., rounded
- 3% qtz, wh., eyes 1/2-2cm.

Qtz-ser. phyl - med. bndd.
- 5% Py, m.g., bands 1-5mm + diss.
- 1% CPy, m.g., bands 1-5mm
- tr. Po, f.g.,
- ser. in foln.
- foln. slightly discordant w/ M.S. above
- slightly calc.

M.S. - f.g., med. bndd.
- 45% ZnS, f.g., red-brwn.
- 40% As, f.g.
- 5% Py, m.g., disc. bands 3-5mm.
- 10% qtz., most med. gy + wh. transl., disc bands 1-5mm, lenses 5-20mm; some wh., eyes 5-15mm.

Qtz. - wh. c.g.
- 10% m.g. sulp: 50% PbS, 30% red-brwn ZnS, 20% CPy
- sulp. in fractures
- several lenses ser-qtz. phyl., M.S., 5-20cm thick; M.S. same as at f/w.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 188

10812.57 EAST

SCALE 1:50

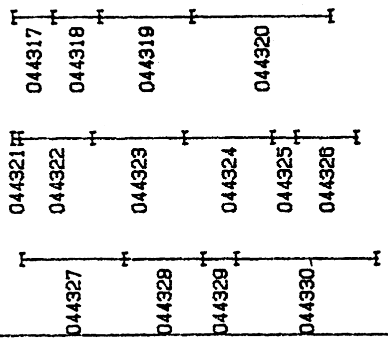
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

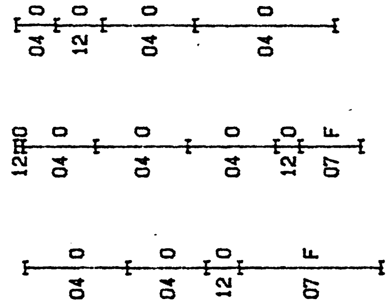
FACE# 189
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44317	.26	.63	2.13	.262	10.2	.8
44318	.31	2.44	8.52	.478	40.2	1.4
44319	.61	.16	.89	.662	.3	.3
44320	.92	.10	.67	.726	3.0	.4
44321	.05	2.56	8.52	.550	42.5	1.4
44322	.48	.16	.55	.418	.3	.3
44323	.61	.30	1.62	1.230	2.4	1.0
44324	.58	.28	.61	1.500	2.7	.7
44325	.16	4.03	6.72	8.010	76.5	7.8
44326	.40	.06	.08	.128	.3	.3

SAMPLE NUMBERS

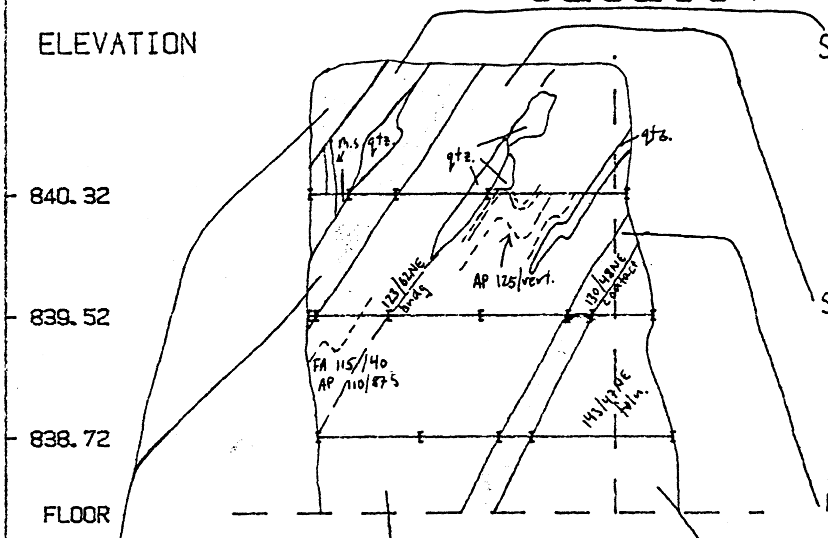


GEOLOGY CODES



GEOLOGY

ELEVATION



Ser-qtz. phyl. - med. bdd.
- 5% ZnS, f.g., red-brwn, thin disc. bands 1-10mm
- wh. qtz. lenses 1/2-2cm, some with yellowish feldspar
- several M.S. bands 4-8mm cross from one M.S. layer to the other (085/vert)
- ser. in foln.

Ser-qtz. phyl. - med. bdd, bands 1-20mm
- 1% ZnS, f.g., red-brwn, bands 1-3mm, w/in 10cm of h/w
- 1% Py, m.g., diss.
- ser. in foln.
- banding ~ parallel to h/w contact

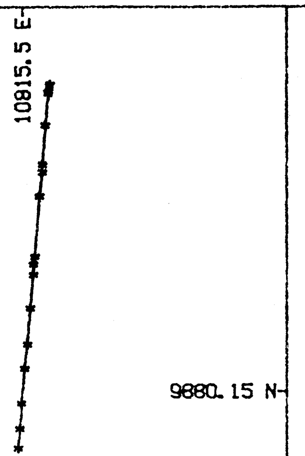
M.S. - f.g.
- 60% As, f.g.
- 25% ZnS, f.g., red-brwn.
- 5% Py, m.g., diss.
- 10% wh. qtz, lenses 1-4cm, eyes 5-10mm
- most ZnS + Py along margins

Qtz-ser. phyl. - med. bndd., bands 1-10mm
- 10% Py, m.g., disc. bands 1-5mm, concen. top 30cm, slightly steeper than foln.
- some slip on foln. planes, smeared Py

M.S. - f.g.
40% ZnS, f.g., red-brwn
30% As, f.g.
5% Py, f.-m.g., diss.
15% ser-qtz. phyl. lenses
10% lt.gy-wh. qtz. eyes 5-15mm, lenses 5-20mm

Qtz. lenses - wh. c.g.
- parallel to bndg + foln.
- stringers M.S. 2-10mm thick, M.S. along margins in places

Ser-qtz. phyl. - med. bndd.
- bands 2-15mm
- 20% sulp.: 60% ZnS, red-brwn, f.g.; 35% As, f.g.; 5% Py, m.g.
- sulp. in bands 1-10mm and in patches
- banding contorted
- 0-5cm wh. qtz. along f/w contact



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 189

10815.5 EAST

1 METER

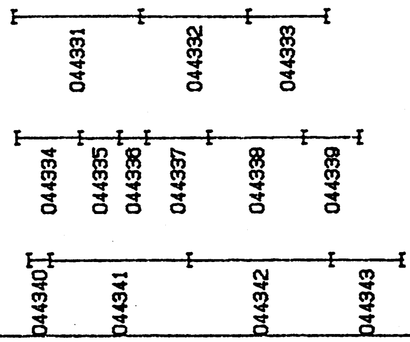
SCALE 1:50

SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

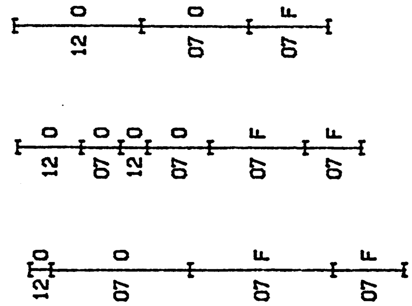
FACE# 190
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44331	.84	2.26	7.44	.738	39.5	1.6
44332	.71	1.84	8.86	3.380	38.5	4.0
44333	.52	.04	.17	.073	13.3	.4
44334	.42	4.24	16.00	2.390	74.0	4.1
44335	.26	.35	.95	1.730	15.7	.7
44336	.18	2.37	10.90	4.580	47.9	4.9
44337	.41	1.08	9.60	.175	22.6	1.4
44338	.63	.06	1.04	.129	1.7	.3
44339	.37	.05	.65	.392	5.9	.3

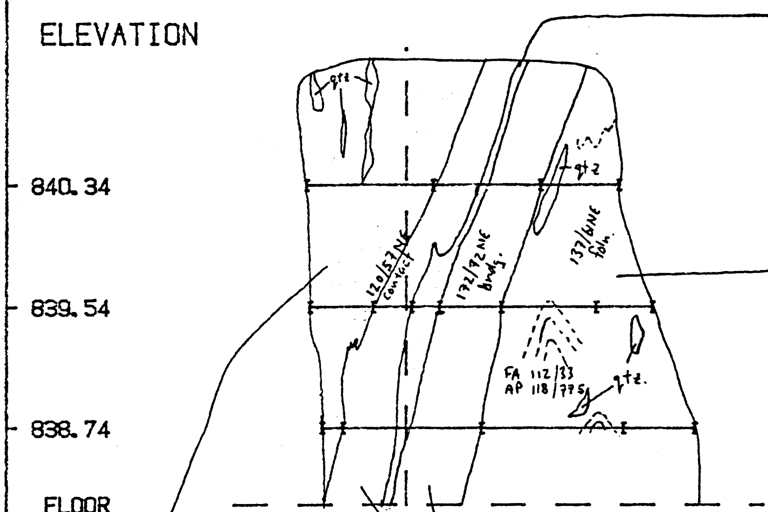
SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY

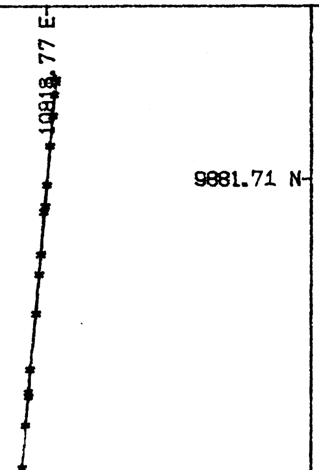


M.S.- f.g., milled
- 50% ZnS, f.g., red-brwn
- 30% As, f.g.
- 15% Py, f.-m.g., rounded
- 5% wh. qtz. eyes ½-2cm, lenses 5-10mm
- parallel to bndg. in qtz-ser. phyl.

Qtz-ser. phyl.-med bndd. bands 1-20mm
- ser. in foln.
- 5% ZnS, f.g., red-brwn, bands 1-5mm, concen. top 20cm.
- 3% Py, m.g., bands ½-5mm
- 1% CPy, m.g., bands ½-5mm
- qtz. band, wh., c.g.
  -- tr. Po, CPy, Py, PbS along margins & in fractures, m.g., total sulp. < 2%
- slightly calc.

M.S. - f.g., milled
- 20% ser-qtz. phyl., lenses 1-4cm
- 10% qtz, wh+lt.gy., lenses 5-30mm, lenses parallel to bndg.
- 70% sulp., f.g.: 50% ZnS, red-brwn. f.g.; 40% As, f.g.; 10% Py, m.g.; tr. CPy, f.g.
- faint banding 1-8mm

Qtz-ser. phyl.-med. bndd, bands 1-10mm
- 50% M.S. in bands 1-20mm:
  -- 60% ZnS, f.g., red-brwn
  -- 30% As, f.g.
  -- 10% Py, f.-m.g.
- some banding in sulp. truncated at f/w
- thin gy. transl. qtz. bands 1-2mm in M.S. rich parts
- slightly calc.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 190

10818.7 EAST

SCALE 1:50

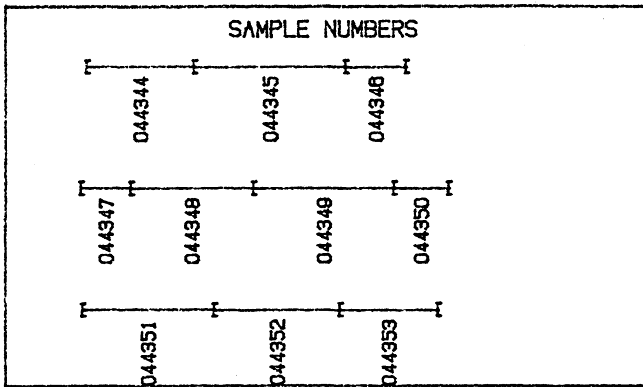
1 METER

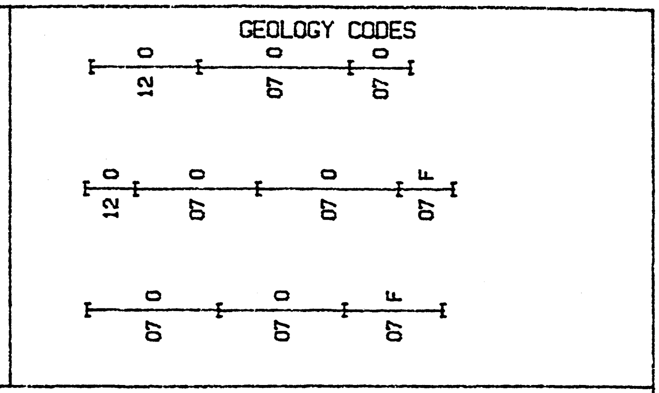
SELCO DIV. - BP RESOURCES   J & L PROJECT, B.C.

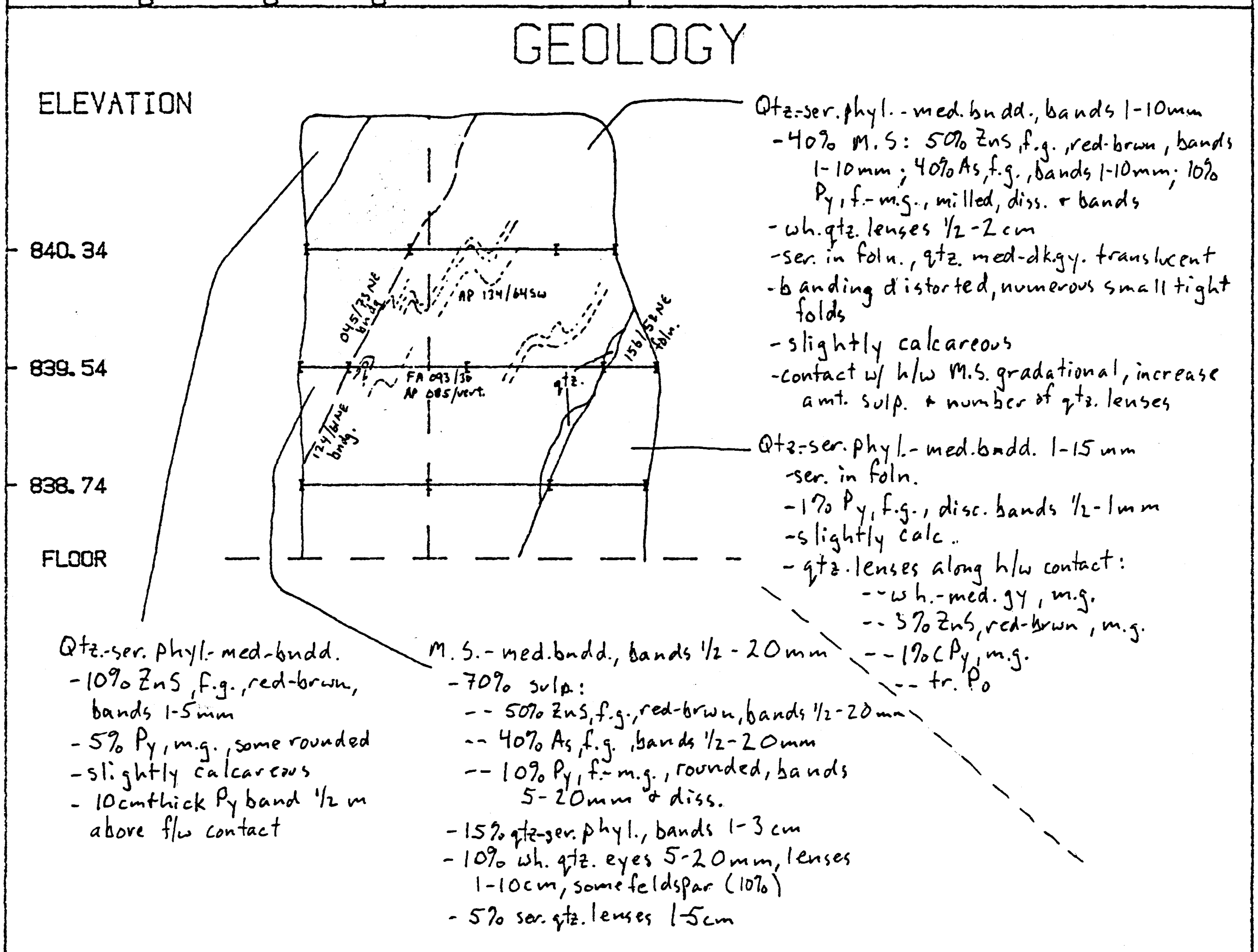
FACE# 191

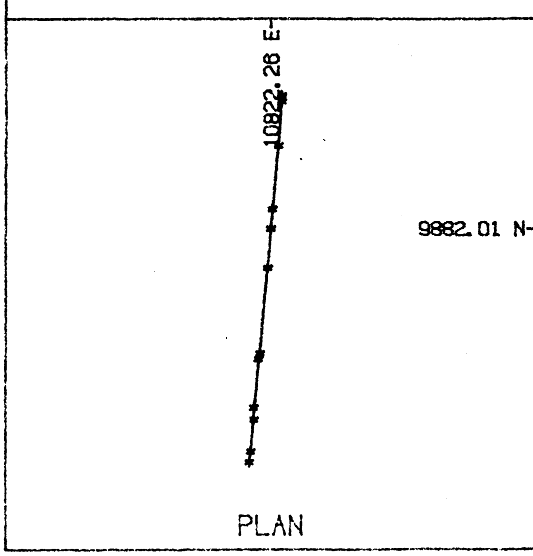
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44344	.71	4.16	16.60	.647	68.5	1.4
44345	1.00	.37	3.58	.432	5.9	.3
44346	.40	5.60	15.80	.030	90.6	.6
44347	.33	4.09	15.30	.757	73.1	1.6
44348	.81	2.31	7.81	.907	36.9	.8
44349	.93	1.44	5.00	.742	21.9	.7
44350	.36	.06	.25	.011	.7	.1









BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 191

10822.26 EAST

SCALE 1:50

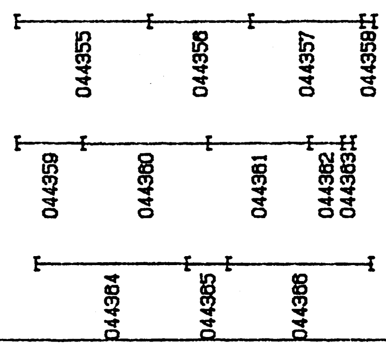
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

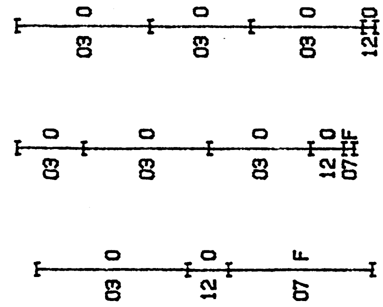
FACE# 192
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44355	.88	2.16	4.52	2.920	35.2	1.1
44356	.67	.70	1.88	.124	11.4	.2
44357	.74	.70	1.59	.862	13.7	.1
44358	.08	2.62	12.50	2.970	55.1	2.5
44359	.44	.91	5.40	.129	14.4	.1
44360	.83	1.39	3.05	.039	19.7	.2
44361	.67	.78	3.03	.834	11.1	.5
44362	.22	.76	7.43	.708	20.5	.7
44363	.07	.12	.34	.208	6.6	.2

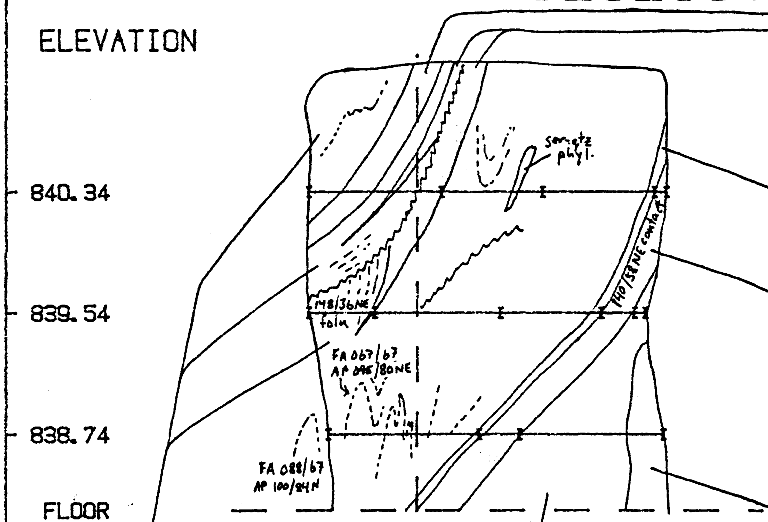
SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY



Ser-qtz. phyl. - med. bndd.
- ser. in foln.
- 10% ZnS, f.g., red-brwn, bands 3-10mm
- 10% As, m-c.g., bands 1-2 cm

M.S. - 80% Py, m-c.g.
- 10% ZnS, f.g., red-brwn
- 10% med. gy lst.

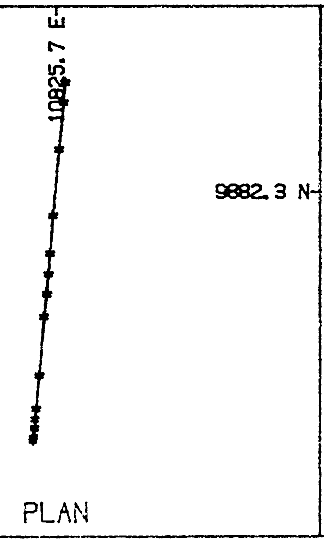
Ser-qtz. phyl. - med. bndd., bands 1-5mm
- 5% ZnS, f.g., red-brwn, bands 1/2-2 mm
- ser. in foln.

M.S. - f.g.
- 70% sulp.: 50% As, f.g.; 45% ZnS, f.g., red-brwn; 5% Py, m.g., diss.
- 30% qtz. ser. phyl.
- sulp. in bands 1-4 cm

Qtz. lense - wh., c.g.
- 5% sulp.: 60% ZnS, f.g., red-brwn; 20% CPy, f-m.g.; 10% Py, f-m.g., 10% Po, f.g.
- sulp. along margins + in fractures

Lst. - med. gy.
- med. banded, bands 1-10mm
- 15% ZnS, f.g., red-brwn; bands 1-20mm, most 1-5mm, slightly steeper than bndg, folded w/ bndg.
- 5% Py, m.g., diss. + bands 1-10mm
- tr. PbS, f.g., bands 1-5mm

Qtz-ser. phyl.
- ser. in foln.
- 1% ZnS, f.g., red-brwn, bands 1-5mm
- several bands M.S. 1-2cm, same as h/w M.S.
- slightly calc.



PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 192

10825.7 EAST

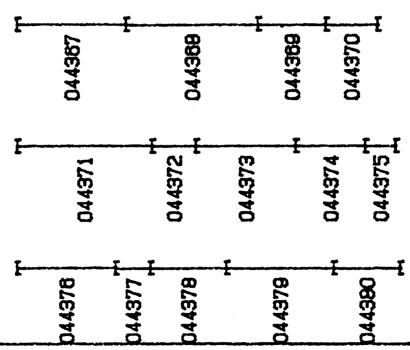
SCALE 1:50

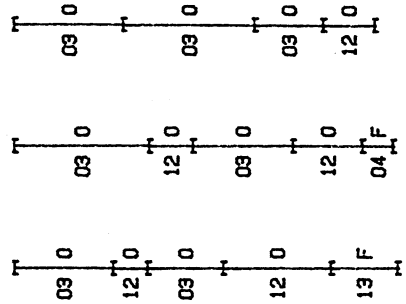
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT. B.C.

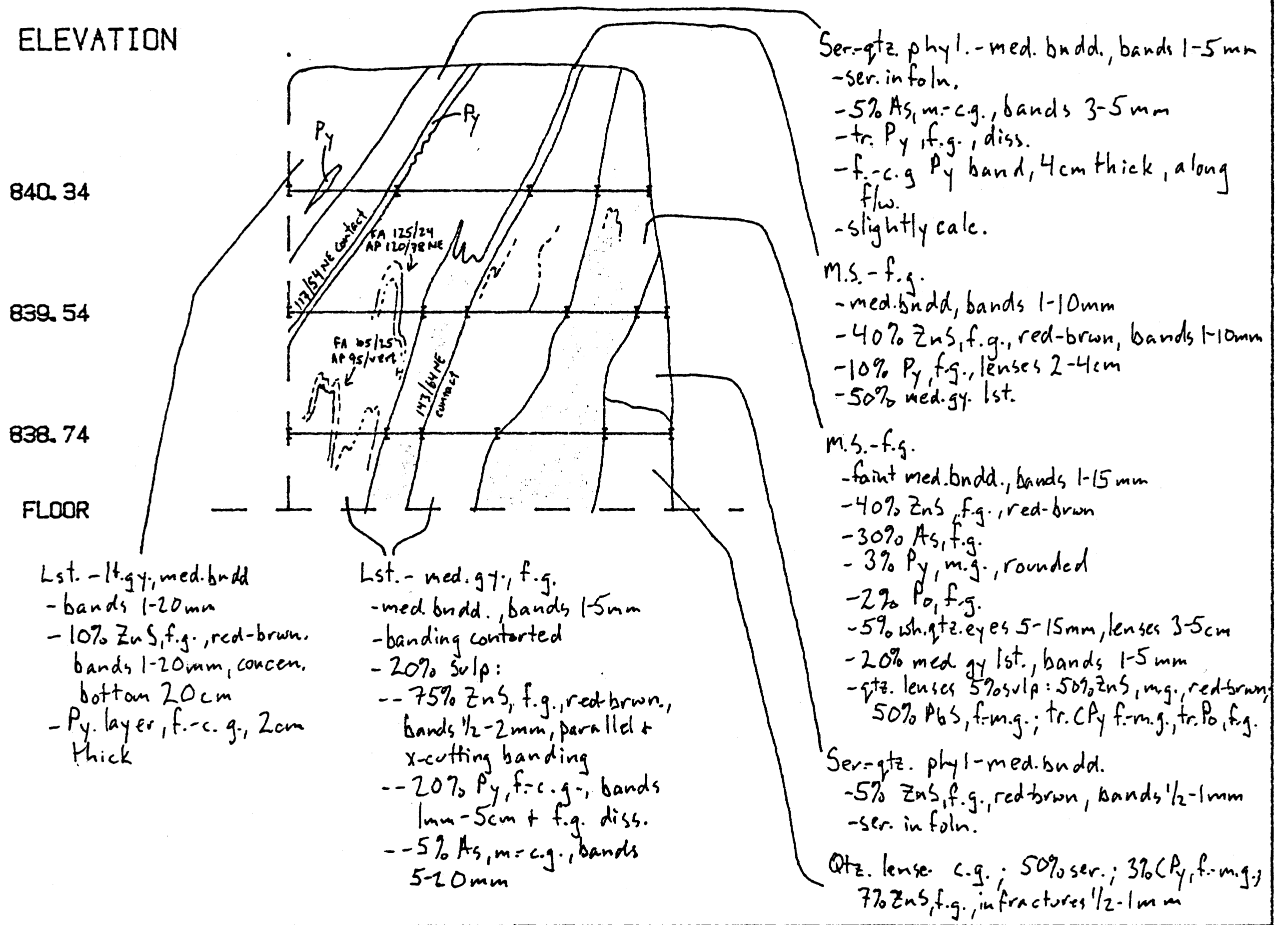
FACE# 193
****

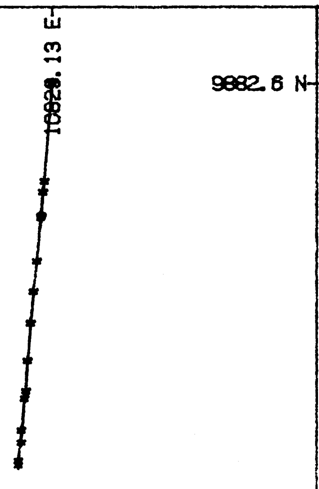
SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44367	.72	.68	2.40	.670	10.5	.5
44368	.87	1.19	5.92	.029	16.9	.2
44369	.45	.53	5.54	.417	8.7	.2
44370	.34	3.29	11.80	2.880	54.5	2.4
44371	.89	.99	3.53	.644	14.8	.3
44372	.29	1.06	13.50	.088	15.1	.7
44373	.66	1.03	5.22	.039	18.2	.3
44374	.46	1.92	8.22	.449	38.7	.4
44375	.20	.10	.56	.059	3.4	.1





GEOLOGY





PLAN

BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 193

10829.13 EAST

SCALE 1:50

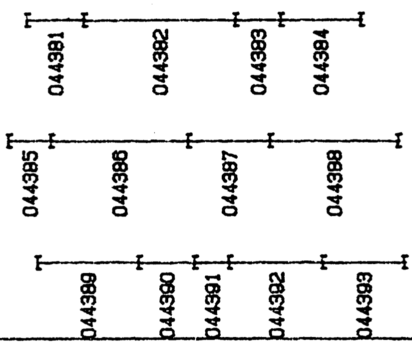
1 METER

SELCO DIV. - BP RESOURCES J & L PROJECT, B.C.

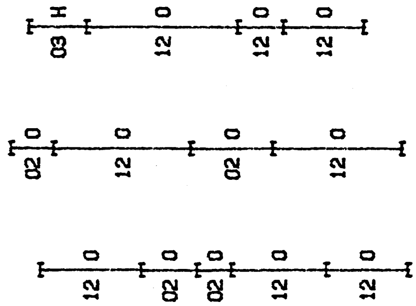
FACE# 194
****

SAMPLE NUMBER	WIDTH (m)	LEAD (%)	ZINC (%)	ARSENIC (%)	SILVER (g/mT)	GOLD (g/mT)
44381	.38	2.08	11.60	.358	33.9	1.1
44382	1.00	1.07	29.60	.210	20.3	.3
44383	.30	.12	30.50	.026	12.3	.7
44384	.53	2.14	12.70	.559	36.2	1.5
44385	.28	.62	3.01	.204	9.5	.8
44386	.91	.46	30.10	.010	9.3	.3
44387	.54	.29	19.20	.009	5.9	.3
44388	.85	3.62	11.50	.703	61.5	1.6

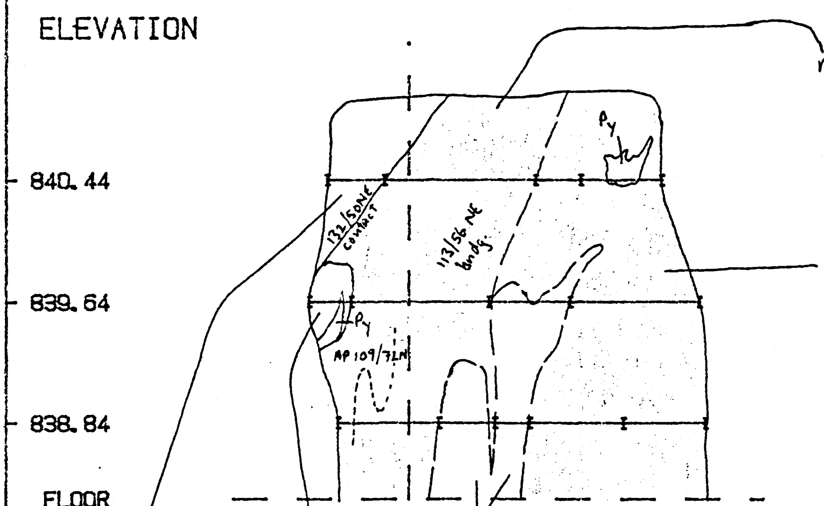
SAMPLE NUMBERS



GEOLOGY CODES



GEOLOGY



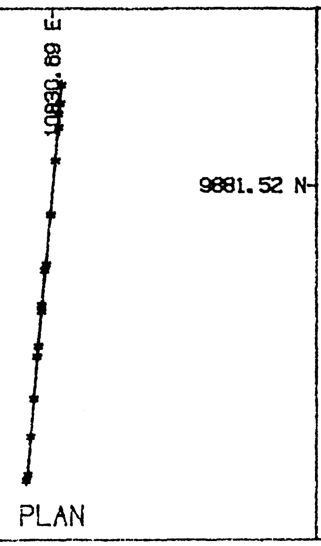
M.S. - med. bndd, bands 1-15 mm
- 40% ZnS, lt. brwn, f.g., bands 1-15 mm
- 25% As, f.g.
- 15% qtz, wh. qtz. lenses, 5-15 mm; lt. gy transl. disc. bands 5-10 mm
- 20% med. gy lst. bands 1-10 mm

M.S. - f.g., faint med. bndd.
- 65% sulp:
  - -- 50% As, f.g.
  - -- 45% ZnS, f.g., red-brwn.
  - -- 5% Py, f.-m.g., diss., rounded
- 30% lst., med. gy, f.g., disc. bands 1-20 mm
- 5% qtz; wh. eyes 5-10 mm; wh. + lt. gy lenses 1-2 cm; transl. med. gy. qtz. lenses 1-8 mm
- banding v. contorted, numerous sm. tight folds
- Py rich lens, f-c.g., x-cuts bndg.

Lst - med. gy, bndd.
- bands 1-20 mm
- 15% ZnS, red-brwn, f.g., bands 1-10 mm, parallel + x-cutting bndg.
- 15% lt. gy. transl. qtz., bands + lenses 1/2-5 cm
- tr. Py, m.g., diss.

Carb. lst. - med-dkgy.
- wh. cb. sweats 2-8 mm thick
- 5% ZnS, f.g., red-brwn, bands 1-10 mm
- banding contorted

Carb. lst. - med. gy, f.g.
- irreg. wh cb. sweats
- 4 cm thick, f.-c.g. Py layer.



BP/SELCO

J&L PROJECT

830 LEVEL DRIFT

FACE 194

10830.69 EAST

SCALE 1:50

1 METER