85-1108-14405

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,405

GEOCHEMICAL AND PHYSICAL WORK REPORT

ON THE SAM, BURKE, AND ARTY #1 CLAIM GROUPS,

J & L PROPERTY

REVELSTOKE MINING DIVISION
NTS 82M/8E

Latitude 51°17' North, Longitude 118°08' West

Owner: Pivak Explorco Limited
Operator: B.P. Resources Canada Limited

BPVR 85-22

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October, 1985

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INTRODUCTION

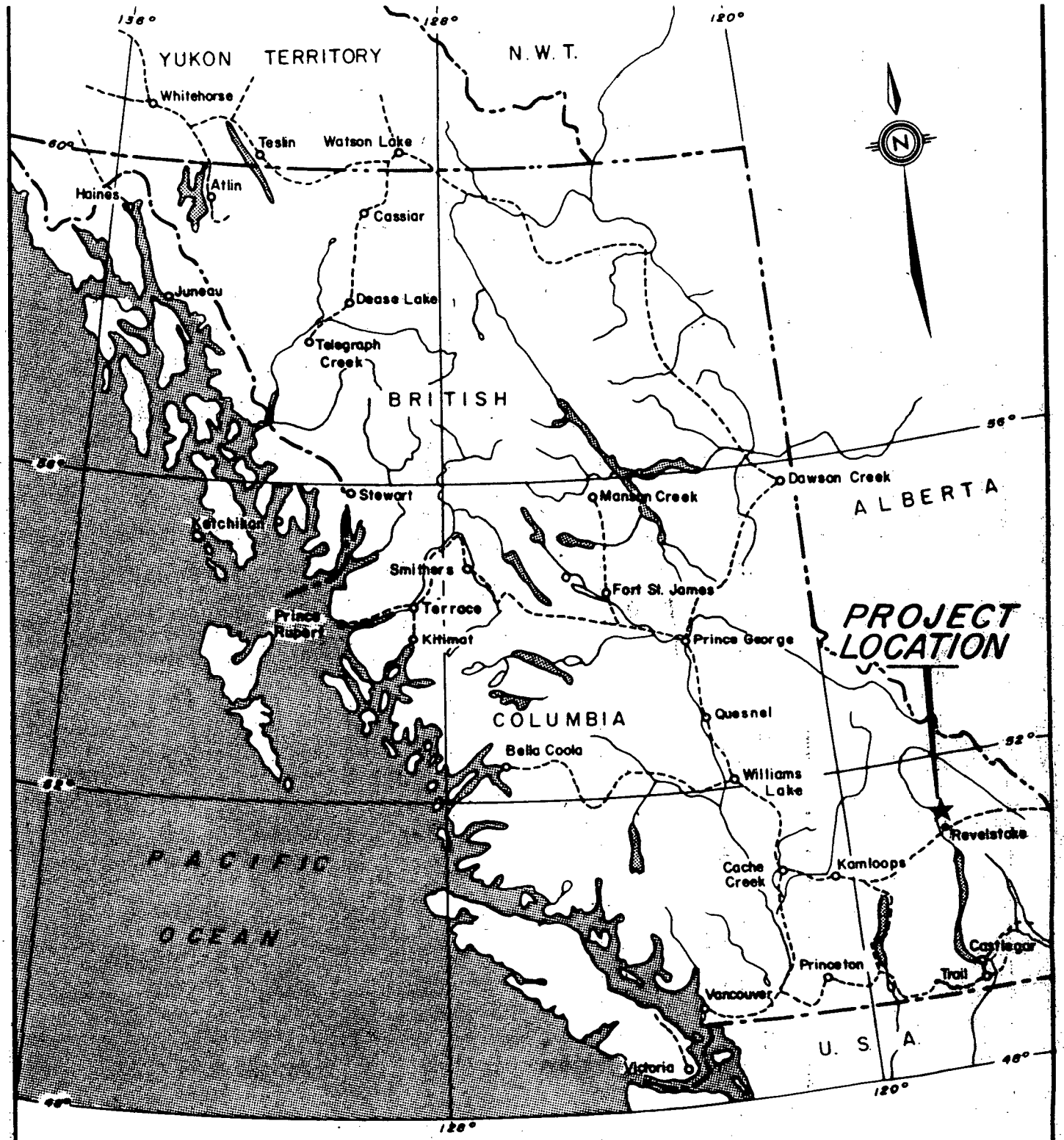
During the period of August 19th to September 7th, a field crew of one geological assistant and the author completed a rock-soil-silt geochemical survey over part of the Kirk and Shannon 600 claims. Demobilization of the mining contractor's camp and reclamation work was also completed during these months. The exploration target in this area is economic lead-zinc-gold-silver 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 four-wheel drive road and several overgrown walking trails are found within the property.

Maximum relief in the area of the property is 2349 metres (3050 to 701 metres). The J & L adits are found at the 830 metre elevation and the 986 metre elevation respectively,



SELCO DIVISION -
BP RESOURCES CANADA LIMITED

J&L PROJECT
LOCATION MAP

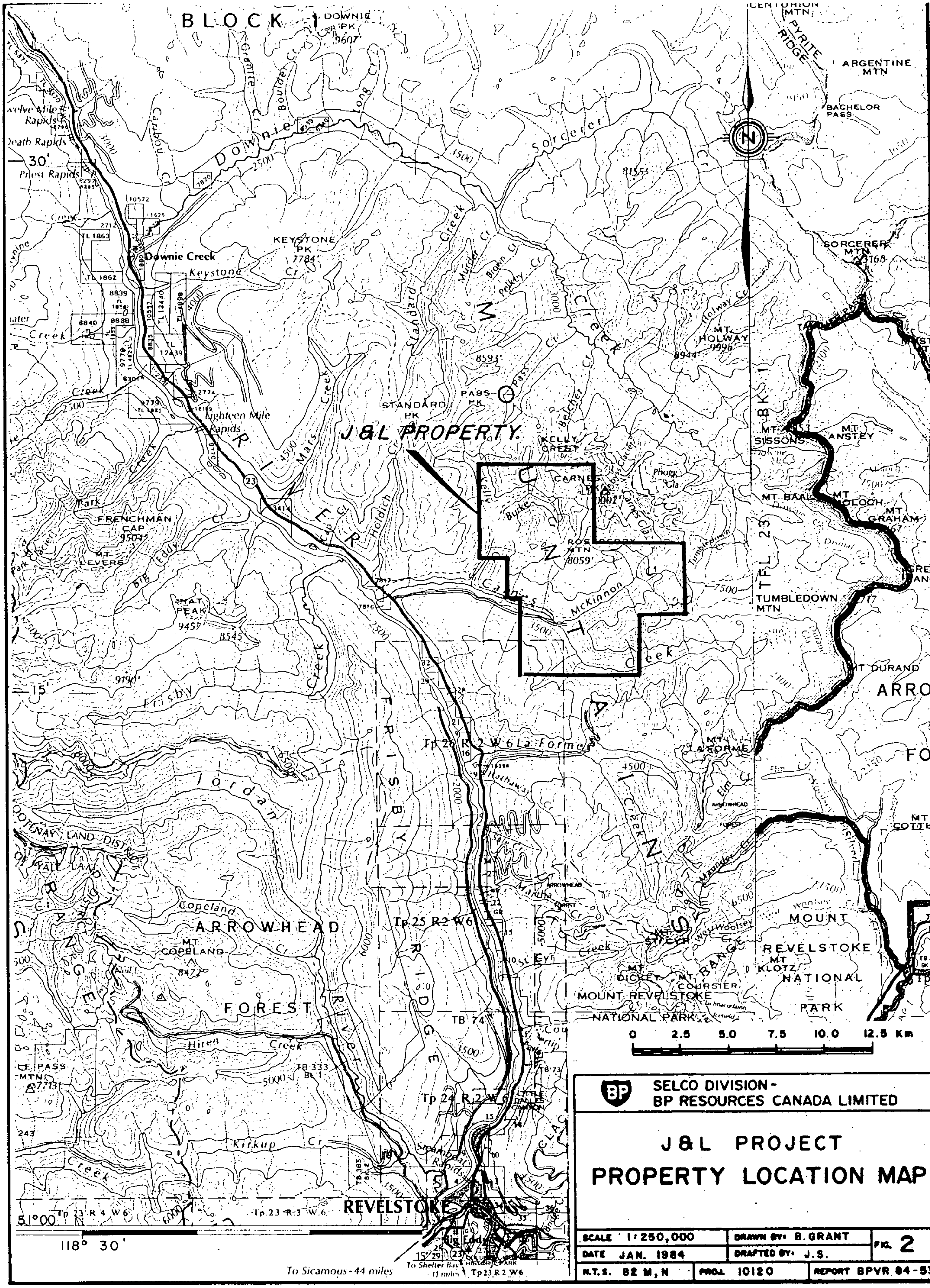
SCALE 1:1,000,000	DRAWN BY: R. PEGG	FIG. 1
DATE NOV. 1984	DRAFTED BY: J.S.	
N.T.S.	PROJ. 10120	REPORT BPVB 84-83

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 28 claim blocks (285 mineral claim units, see Figure 2). Pivak Explorco Limited of Toronto is the owner.



SELCO DIVISION -
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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 five mineral claim groups and consist of the following:

Arty #1 Group (58 Units)

Name	Record #	Date Recorded	No. Units	Expiry Date
L14827 (View Fraction)				
L14829 (Creek Fraction)				
G.D.	603	Apr. 17/79	16	Apr. 17/93
Min	604	Apr. 17/79	8	Apr. 17/90*
Tom	605	Apr. 17/79	20	Apr. 17/94
Mary 5	758	Oct. 10/79	1	Oct. 10/90*
Mary 6	759	Oct. 10/79	1	Oct. 10/90*
Mary 7	760	Oct. 10/79	1	Oct. 10/90*
Burke 1	1485	Sep. 30/82	9	Sep. 30/90*

Arty #3 Group (47 Units)

Name	Record #	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. 17/80	20	Dec. 17/93
Shannon 500	1144	Dec. 17/80	20	Dec. 17/93

Tom Group (28 Units)

Name	Record #	Date Recorded	No. Units	Expiry Date
Shannon 100	1140	Dec. 17/80	12	Dec. 17/93
Shannon 300	1142	Dec. 17/80	16	Dec. 17/93

Sam Group (83 Units)

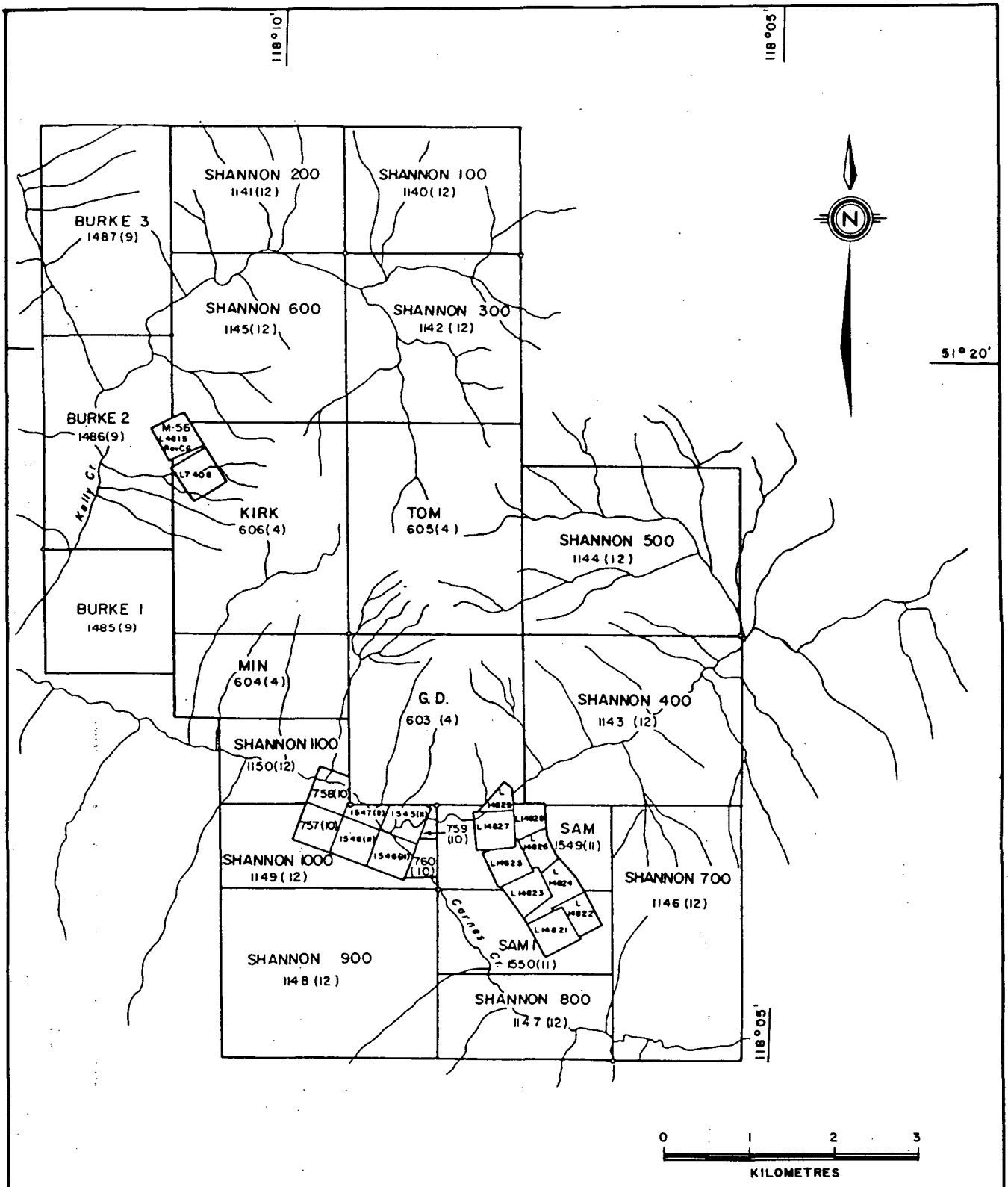
Name	Record #	Date Recorded	No. Units	Expiry Date
Sam	1549	Nov. 30/82	8	Nov. 30/93
Sam 1	1550	Nov. 30/82	8	Nov. 30/93
Mary	1545	Nov. 30/82	1	Nov. 30/93
Mary 1	1546	Nov. 30/82	1	Nov. 30/93
Mary 2	1547	Nov. 30/82	1	Nov. 30/93
Mary 3	1548	Nov. 30/82	1	Nov. 30/93
Mary 4	757	Oct. 10/79	1	Oct. 10/90*
Shannon 700	1146	Dec. 17/80	18	Dec. 17/90*
Shannon 800	1147	Dec. 17/80	8	Dec. 17/90*
Shannon 900	1148	Dec. 17/80	20	Dec. 17/90*
Shannon 1000	1149	Dec. 17/80	10	Dec. 17/90*
Shannon 1100	1150	Dec. 17/80	6	Dec. 17/90*

Burke Group (79 Units)

Name	Record #	Date Recorded	No. Units	Expiry Date
L7408 (Aberdeen)				
Kirk	606	Apr. 17/79	20	Apr. 17/93
Shannon 200	1141	Dec. 17/80	12	Dec. 17/93
Shannon 600	1145	Dec. 17/80	16	Dec. 17/93
Burke 2	1486	Sep. 30/82	15	Sep. 30/90*
Burke 3	1487	Sep. 30/82	15	Sep. 30/90*

*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.



SELCO DIVISION -
BP RESOURCES CANADA LIMITED

J & L PROJECT
CLAIM MAP
AREA OF INTEREST

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

3. History of Exploration

The area first became an exploration target after 1865 when placer gold was discovered in Carnes Creek and other creeks 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 two 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 four trenches. The Roseberry occurrence was tested by 895 feet of drifting and cross-cutting on three 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 two 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 ten 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 claims blocks (158 mineral units). Then, in June of 1981, Arnold had an additional four 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, 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, investigation 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 three 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.

During 1984, Selco completed a detailed geological and geochemical surface survey on part of Roseberry Mountain. This included detailed mapping and sampling of mineralized showings and grid mapping (1:100) of the surrounding stratigraphy. 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 315.80 metres of track drift which followed the Main Zone mineralization and two hangingwall crosscuts which totalled 136.23 metres. This underground development was an extension of the drifting completed by Selco during 1983. Subsequent drilling consisted of 30 holes which totalled 982.51 metres. Metallurgical and environmental studies continued as part of an ongoing process.

4. 1985 Work Program Summary

During the course of the field season, contractors completed the demobilization of their equipment on site, reclamation

work and effectively closed off the underground workings. The geological crew completed a geochemical grid program and a short reconnaissance geochemical traverse during this period. A total of 274 soil samples, 50 rock samples and 1 silt sample were collected. All samples were located with the use of prepared topographic base maps, altimeters, compass and nylon chain.

PHYSICAL WORK

During August of 1985, Rocbore (1980) Limited of Kamloops demobilized their trailer camp and mining equipment from the J & L property. This included the removal of five camp trailers, one storage container, eleven mine cars, three-1,000 gallon fuel tanks and stands, 4160V and 600V diamond drill cables, electrical panels, two-1,000 gallon propane tanks, an explosive magazine, two air receivers, a 45 foot van and four loads of scrap. Rocbore also removed all of their temporary surface buildings, graded both their camp and portal work areas and installed a portal closure bulkhead with a locking door at each of the two portals. Minor road repair of a few slide areas was also completed during this period.

Once the Rocbore demobilization was complete, reseeding and fertilizing was done at Rocbore's camp site, areas below the ore

dump, the south road and exposed banks above and below the road from the ore dump to the portal. Canada No. 1 mixture grass seed was used for the reseeding process.

In September, S. McKenzie Contracting Ltd. of Revelstoke dug a ditch on the up-hill side of the ore dump in order to drain of any rain waters. Warning signs were also placed at the two portals.

The physical work was performed on L14827 and the following mineral claims: Sam, Mary, Mary 1, Mary 3, Mary 4, Mary 6 and Mary 7.

SURFACE GEOLOGY

Northwest striking, moderately east dipping and isoclinally folded sediments and metasediments of the Lardeau (Lower Cambrian and older), Badshot (Lower Cambrian and older) and Hamill (Lower Cambrian) Formations cover the investigated areas.

The Lardeau Group consists of graphite-quartz phyllite with minor chlorite-graphite and graphite phyllite. The phyllites contain minor amounts of pyrite and iron oxide and local calcareous lenses and fracture fillings and abundant pyrite and pyrrhotite.

The Badshot is predominately a medium to fine-grained, recrystallized, grey banded (poor to well) limestone with local medium-grained calcite veinlets. Calcareous sericite phyllite occupies a number of shear zones and hosts numerous, but erratic tan weathering quartz-carbonate lenses.

The Hamill Group consists of quartzite, chlorite-quartz, quartz-chlorite, chlorite-sericite-quartz and quartz-sericite phyllite. The quartzites are clean to dirty, massive to well foliated and contain minor calcareous fracture fillings, especially near its' contact with the Badshot limestones. All rock types appear "spotted" to some degree as a result of leaching of the pervasive pyrite mineralization. Minor goethite and pyrite still remain and pyrrhotite was observed at one locality. This anticlinal Hamill stratigraphy pinches, on surface, to the north-west of the Roseberry grid, where exposures of Badshot limestone are found on a southwest trending ridge.

MINERALIZATION

Two sites revealed significant mineralization within the investigated area.

The first was just south of L6N, at approximately 2+20E and this consisted of well oxidized and leached pyritic (up to 5%) lenses

occupying shears within the Hamill quartzites. The lenses display abundant jarosite staining and measure up to 70 X 90 cm. Sericitic alteration was observed within and surrounding the lenses.

The second area was to the north of the Roseberry grid, on a north-trending ridge, at an elevation of 2155 metres. Here, discontinuous pods of tan weathering quartz (crystalline, chalcedonic and amethystine) - carbonate occupy shear zones within the Badshot limestone. These pods pinch and swell and contain erratic tetrahedrite $\pm$ galena $\pm$ malachite $\pm$ pyrite $\pm$ sphalerite $\pm$ azurite $\pm$ scorodite $\pm$ jarosite mineralization. The maximum observed width of the erratic mineralization, known as Zone 'C', is 1.79 metres, which is the site of rock sample number 810-049 and 810-050, but overburden and talus obscure many sections of the assumed shear zone.

GEOCHEMISTRY

1. Sampling

The majority of the geochemical samples were collected on a chained grid pattern with a baseline running at 318^{o} and crosslines every 100 metres. Samples were taken every 50 metres along the baseline and every 25 metres along the crosslines. Soil samples were collected from the 'B' horizon at depths of between 15 and 40 cm. Grab rock chip

samples were collected at stations where outcrops are present. Sample stations are indicated by pickets which were marked with the grid coordinates of the station. Several rock chip samples were also collected during the course of a reconnaissance traverse.

2. Analysis

The samples were shipped from Revelstoke to Chemex Labs Ltd. of North Vancouver for analysis. All samples were analyzed geochemically for Au, As, Sb and 24 element ICP (Mo, W, Zn, P, Pb, Bi, Cd, Co, Ni, Ba, Fe, Mn, Cr, Mg, V, Al, Be, Ca, Cu, Ag, Ti, Sr, Na, K. Fourteen of the rocks were also analyzed for gallium and germanium.

The methods of analysis are as follows:

24 element ICP - Nitric-perchloric-hydrofluoric acid digestion to dry leach residue with hydrochloric acid, dilute to final volume and mix. Final acid concentration is 10% (v/v) hydrochloric acid.

- Instruments SAJY48P Inductively Coupled Plasma using Labtest GMK Babington type nebulizer. This is a simultaneous instrument measuring the emitted light characteristic for each element.

24 element ICP cont. Interelement corrections and calibration are automatically performed by the onboard computer.

- Accuracy is better than ± 10% and for most elements is better than ± 5%. Accuracy in this analysis is a combination of digestion efficiency and analytical instrumentation calibration and reproducibility.

Sb

- 2.0 gm sample is digested with conc. HCl-$KClO_3$ at low heat. The iron is reduced to Fe^{+2} state and the Sb extracted with TOPO-MIBK and analyzed via A.A. Correcting for background absorption. Detection limit of 0.2 ppm ± 0.2.

As

- 1.0 gm sample is digested with a mixture of perchloric and nitric acid to strong fumes of perchloric acid. The digested solution is diluted to volume and mixed. An aliquot of the digested is acidified, reduced with Kl and mixed. A portion of the reduced solution is converted to

arsine with $NaBH_4$ and the arsenic content determined using flameless atomic absorption. Detection limit of 1 ppm.

Au - Aqua regia; acid digestion; atomic absorption analysis. Detection limit of 5 ppb.

3. Description of Results

I) Roseberry Grid (Figs. 4-54)

1. Molybdenum

a) Soils (Fig. 6)

Molybdenum levels are all at backgrounds of less than 2 ppm.

b) Rocks (Fig. 7)

Molybdenum levels are all at backgrounds of less than 4 ppm.

2. Copper

a) Soils (Fig. 8)

Five copper anomalies exceeding 47 ppm to a maximum of 70 to 100 ppm are outlined. Four of these trend northwestward associated with both Badshot limestone

and Lardeau group rocks in the northeast. Enhanced values appear more in the south than in the north of these units. A fifth anomaly comprising two points (No. 5) overlies Hamill phyllitic quartzite.

b) Rocks (Fig. 9)

There are a few spot, weak geochemical anomalies within the Hamill Group. Two samples, which both had values of 59 ppm, lie within the #5 soil anomaly. The highest returned value was 68 ppm Cu.

3. Lead

a) Soils (Fig. 10)

Four lead anomalies are defined to exceed a 75 ppm threshold. Maximum values are in the 300 to 400 ppm range. The largest lead-rich zone in the south (No. 1) is about 500 metres long and 50 to 100 metres wide, trending northwestward. The lead- rich zone might continue to the north where the 200 metre long anomalous zones 2 and 3 have been outlined, open to the north. The intervening area is associated with enhanced but not multisample anomalous values. The three anomalies are underlain by Hamill units but appear to crosscut stratigraphy. Anomaly 4 is a three point feature in the east overlying Badshot limestone.

b) Rocks (Fig. 11)

There are two weak anomalies (270 and 335 ppm) which lie within and to the west of the #1 soil anomaly. Both of these are from jarosite stained and pyritic areas in the Hamill which also contain geochemically anomalous arsenic and silver contents. There is also a sequence of elevated values on L11N within the Hamill Group.

4. Zinc

a) Soils (Fig. 12)

Zinc distribution resembles that of copper. High values in 4 zones are found overlying Badshot limestone and Lardeau group rocks in the northeast. Maximum values of 200 to 250 ppm are not normally indicative of significant sphalerite mineralization in underlying bedrock. Zinc anomalies are displaced 100 to 200 metres south of copper features. Zinc anomaly 5 is a weaker three point zone overlying Badshot limestone in the west.

b) Rocks (Fig. 13)

There are two weak anomalies, one of 815 ppm is found within the Hamill on L11N and the other of 280

ppm on L6N is within the Badshot and roughly corresponds to the #3 soil anomaly. Most of the sampled Hamill rocks show slightly elevated values.

5. Nickel

a) Soils (Fig. 14)

Nickel approximately follows copper, highlighting northeastern Badshot and Lardeau group rocks. Maximum values range from 30 to 75 ppm. Badshot units in the west are associated with elevated values whereas lowest backgrounds typify the Hamill group.

b) Rocks (Fig. 15)

There are several weak, spot anomalies found within the Hamill Group. The highest result is 38 ppm.

6. Manganese

a) Soils (Fig. 16)

Distribution of enhanced manganese concentrations is more widespread than for previously described elements. Manganese-rich zones tend to be large, 200 to 300 metres long, and comprise multisample features associated with all rock types.

b) Rocks (Fig. 17)

There are two anomalies, both of which are part of the Hamill Group. The first is one of 1200 ppm which corresponds to the #7 soil anomaly while the other is 995 ppm and corresponds to soil anomaly #3. All elevated values are found within the Hamill Group.

7. Iron

a) Soils (Fig. 18)

High iron contents of 5.2% to 7.5% are found complimenting copper, zinc, and nickel in the northeast. These levels are unusual for limestone terrain and might be indicating the presence of ankerite or pyrite. Weak two or three features are found elsewhere on the grid.

b) Rocks (Fig. 19)

There is only one anomaly that being 6.57% Fe from a jarosite stained pyritic lens within a quartz-sericite phyllite of the Hamill Group. All of the elevated values are scattered within the Hamill.

8. Silver

a) Soils (Fig. 20)

Silver accumulation is weak in two zones. Anomaly 1 comprising two samples compliments a lead feature, but maximum silver content is 1.2 ppm. Anomaly 2 is a two point feature remote from lead enhancement. Maximum content is also 1.2 ppm.

b) Rocks (Fig. 21)

There are only two anomalies, both of which lie within the Hamill Group and upslope of soil anomaly #2. The 3.2 ppm result has a geochemically anomalous lead, arsenic, iron and sodium content and is from a jarosite stained pyritic lens within a quartz-sericite phyllite while the 1.2 ppm result is from a pyritic quartzite.

9. Cobalt

a) Soils (Fig. 22)

Cobalt has accumulated above 17 ppm to a maximum of 35 ppm in 5 zones. Three of these are in the northeast whereas the other two (No. 4 and 5) lie along the western margin of Hamill group rocks. Limestone in the west is relatively impoverished in its cobalt content.

b) Rocks (Fig. 23)

There are only two weak anomalies, the highest (19 ppm) of which corresponds with soil anomaly #5. The anomalies and all of the elevated values are from the Hamill Group.

10. Gold

a) Soils (Fig. 24)

Multisample gold anomalies are not defined. Four isolated samples exceed 40 ppb to a maximum of 80 ppb.

b) Rocks (Fig. 25)

There is only one anomaly (35 ppb) which is geochemically anomalous in zinc (815 ppm) and this is found on L11N from a gossanous (jarosite and pyrite) quartzite of the Hamill Group. All other samples reported only background gold values.

11. Arsenic

a) Soils (Fig. 26)

Anomalous accumulation of arsenic is exceptional. Backgrounds of less than 15 ppm are highlighted by a threshold of 40 ppm and maximum contents are in the 200 to 3000 ppm range.

Two anomalous zones are outlined. The southern zone is open even though it exceeds 600 metres in length and averages 150 metres wide. It appears to crosscut Hamill stratigraphy and follows a valley across the western exposure of Badshot limestone. The northern anomaly is open to the north, and also crosscuts Hamill and Badshot stratigraphy. Both arsenic zones compliment lead features, but the arsenic anomaly is larger and potentially can act as a pathfinder element. Gold anomalies are not commonly within arsenic-rich zones whereas the silver-rich zones are within arsenic anomalies.

b) Rocks (Fig. 27)

There are only two anomalies (25 and 110 ppm) which are found within the Hamill Group and these correspond to the arsenic soil anomaly #1 and have corresponding anomalous lead and silver values (see Figs. 11 & 12).

12. Antimony

a) Soils (Fig. 28)

One antimony anomaly is outlined, accompanying arsenic anomaly 1 at its southeastern terminus.

b) Rocks (Fig. 29)

Antimony levels are at backgrounds of less than 2 ppm.

13. Vanadium

a) Soils (Fig. 30)

Three zones of enhancement are defined on a relatively noisy vanadium distribution. All have a northwesterly orientation.

b) Rocks (Fig. 31)

There are no anomalies, but all elevated values are found in the Hamill Group.

14. Barium

a) Soils (Fig. 32)

Barium enrichment to 800 to 1000 ppm typifies units east of the Hamill group. Badshot limestone in the west is notably impoverished in barium content by comparison to units in the east.

b) Rocks (Fig. 33)

The two weak anomalies (870 and 875 ppm) on L7N and the scattered elevated values are all from the Hamill Group.

15. Strontium

a) Soils (Fig. 34)

Strontium contents are most commonly enhanced in association with Badshot limestone and units of Hamill in proximity to the Badshot.

b) Rocks (Fig. 35)

The four anomalous values (1210, 1450, 1570 and 1790 ppm) and most of the elevated values are from the Badshot limestone.

16. Aluminum

a) Soils (Fig. 36)

Aluminum has accumulated in three clusters, one in the northeast along L10N and L9N, one in the west between L8N and L5N, both in association with Badshot limestone. Area 3 lies in the south, associated with Hamill units. The aluminum distribution appears geologically controlled, except perhaps in the west where sampling of clay-rich soils is suspected of producing some heterogeneity, along L5N, for example.

b) Rocks (Fig. 37)

The three anomalous values (9.01, 9.21 and 9.73%) and all of the elevated values are from the Hamill Group.

17. Calcium

a) Soils (Fig. 38)

All multisample calcium anomalies are found overlying Badshot limestone, but the calcium distribution is far from homogeneous. Maximum values are commonly found in talus deposits, attesting to probably severe leaching of the element from soils which are characterized by much lower values. Exceeding anomalous zones, all units of the survey are reflected by approximately the same background calcium contents.

b) Rocks (Fig. 39)

The five anomalies and nearly all of the elevated values are from the Badshot limestone.

18. Magnesium

a) Soils (Fig. 40)

Three magnesium anomalies are defined in the northeast, associated with Badshot limestone or contact zones of Badshot with Hamill or Lardeau group rocks. High values elsewhere represent isolated points, giving the magnesium distribution a weakly noisy appearance.

b) Rocks (Fig. 41)

There is only one anomalous value (1.22%) which is from the Badshot limestone on L2N. Most of the elevated values are from the Hamill Group.

19. Sodium

a) Soils (Fig. 42)

Nine zones of sodium-rich soils are depicted to exceed 2.1% to a maximum of 5%. The largest zone of sodium enhancement, in the south (No. 6), is generally periferal to the large arsenic anomaly in the same area. Most of the sodium-rich zones overly Hamill units, except in the southwest where underlying bedrock is Badshot limestone.

The sodium distribution in the southwestern portion of the survey is associated with a "leapfrogging" pattern of high and low values, along L7N, 6N, 5N, and along the BL. This might be due to a variable depth of sampling, reflecting different strengths of leaching of the element from soils, systematic analytical error, or rapidly changing, contrasting rock units.

b) Rocks (Fig. 43)

The three anomalies and nearly all of the elevated values are from the Hamill Group. The two anomalous values (7.02 and 7.50%) on L6N correspond to soil anomaly #6, while the third anomalous value (8.43%) on L7N corresponds to the #5 soil anomaly.

20. Potassium

a) Soils (Fig. 44)

Elevated potasisum values cluster in multisample features in the northeast and in the south. The southern anomaly defined by zones 8, 9, and 10 compliments the large arsenic anomaly in the region. The arsenic anomaly in the north lies near potassium anomaly 7 and other above average

potassium values, but correspondence between the two elements is not good. Arsenic is not found accompanying the other size potassium- rich zones. Potassium background levels in the west tend to vary greatly, giving the distribution a noisy pattern.

b) Rocks (Fig. 45)

There are two anomalous values (3.32 and 3.64%) which are found on L7N within the Hamill Group and they have corresponding anomalous barium results (see Fig. 33). Nearly all of the Hamill Group rock samples have elevated potassium contents.

21. Titanium

a) Soils (Fig. 46)

The titanium distribution is the most homogeneous of the elements. Maximum values of 0.8% to 1.0% are found in zone 1 in the south. Four titanium-rich zones are outlined, all associated with Hamill unit rocks. Anomalies 1 and 2 surround the large arsenic-potassium features in this region and zone 3 lies immediately east of arsenic anomaly 2.

b) Rocks (Fig. 47)

The only anomalous result (1.33%) and all of the elevated values are from the Hamill Group.

22. Phosphorus

a) Soils (Fig. 48)

Enhanced phosphorus levels are most commonly found between L11N and L6N associated with Badshot limestone, particularly in the northeast. Only a two point anomaly, No. 3, is associated with Hamill units.

b) Rocks (Fig. 49)

The only two anomalous values (2350 and 2690 ppm) and most of the elevated values are from the Hamill Group.

23. Chromium

a) Soils (Fig. 50)

Chromium is found at elevated levels in the northeast (No. 1 and 2) and in the south (No. 3 and 4). The chromium distribution over Hamill units suggest the Hamill composition is not homogeneous. Chromium distribution in the west exhibits a "leapfrogging" pattern.

b) Rocks (Fig. 51)

The two anomalous results (250 and 310 ppm) and nearly all of the elevated values are from the Hamill Group.

24. Beryllium

a) Soils (Fig. 52)

Maximum beryllium content is 2.5 ppm. Beryllium anomalies or distributive patterns are not outlined.

b) Rocks (Fig. 53)

There are no anomalous results, but the more elevated values are from the Hamill Group.

25. Cadmium

a) Soils

Cadmium levels are all at backgrounds of 1 ppm or less.

b) Rocks (Fig. 54)

All values are less than 3 ppm.

II) Northern Area (Fig. 55-80)

1. Molybdenum (Fig. 56)

Molybdenum levels are all at backgrounds of less than 2 ppm.

2. Copper (Fig. 57)

There are five geochemically anomalous results with a 95 ppm from graphite-quartz phyllite of the Lardeau and results of 70, 75, 163 and 2240 ppm from the 'C' Zone.

3. Lead (Fig. 58)

The four anomalous results (300, 1960, 8060 and 1500 ppm) are from the Zone 'C'. It appears that all of the results from this area are geochemically elevated.

4. Zinc (Fig. 59)

Three samples are geochemically anomalous. There is a weak anomaly (123 ppm) in the Lardeau and two other anomalies (1330 and 3500 ppm) from Zone 'C'. Most results are at least geochemically elevated.

5. Nickel (Fig. 60)

   There are two weak anomalies (33 and 34 ppm) from the Badshot.

6. Manganese (Fig. 61)

   The Lardeau hosts the only geochemically anomalous (860 ppm) result.

7. Iron (Fig. 62)

   Some sample results contain elevated iron contents.

8. Silver (Fig. 63)

   All three anomalous results (1.2, 5.2, and 6.4 ppm) are from Zone 'C'.

9. Cobalt (Fig. 64)

   The two weak anomalies (12 and 14 ppm) are found hosted by the Lardeau and Badshot, respectively.

10. Gold (Fig. 65)

    The only anomalous gold result (120 ppb) is from Zone 'C' and this sample is a multi-element (Zn, Pb, Cd, Ba, Cu, Ag, As, and Sb) anomaly. Two of the three other samples from Zone 'C' contain a slightly elevated gold content.

11. Arsenic (Fig. 66)

There are two weak anomalies from this area. A result of 65 ppm As is coincident with the above gold anomaly and a 33 ppm As was returned from a shear zone in the Badshot. The two samples from Zone 'C', with the elevated gold content also have an elevated arsenic content.

12. Antimony (Fig. 67)

The only four anomalies (86, 150, 290 and 1500 ppm) are from Zone 'C'.

13. Vanadium (Fig. 68)

The Lardeau and Badshot host only some elevated results.

14. Barium (Fig. 69)

Three anomalous (735, 735 and 785 ppm) results are from the Lardeau while Zone 'C' hosts the two anomalous results (940 and 1100 ppm).

15. Strontium (Fig. 70)

Although no anomalies were encountered, most samples have elevated strontium contents.

16. Aluminum (Fig. 71)

There is one anomalous result (10.5% Al) from a chlorite-graphite-quartz phyllite of the Lardeau and several elevated results from the Badshot and Lardeau.

17. Calcium (Fig. 72)

Although there are no anomalous results, all samples have elevated calcium contents.

18. Magnesium (Fig. 73)

All of the Lardeau samples and two of the Badshot samples have elevated magnesium contents.

19. Sodium (Fig. 74)

The two anomalies of 2.63% and 2.93% are from the Lardeau and Badshot, respectively. Most samples have at least an elevated sodium content.

20. Potassium (Fig. 75)

All samples have elevated potassium contents.

21. Titanium (Fig. 76)

All of the Lardeau and one of the Badshot samples have an elevated titanium content.

22. Phosphorus (Fig. 77)

There is one anomalous result of 4090 ppm from the Badshot while a few other samples from the Badshot and Lardeau have elevated results.

23. Chromium (Fig. 78)

All samples except one have an elevated chromium content.

24. Beryllium (Fig. 79)

Only two samples have slightly elevated beryllium contents.

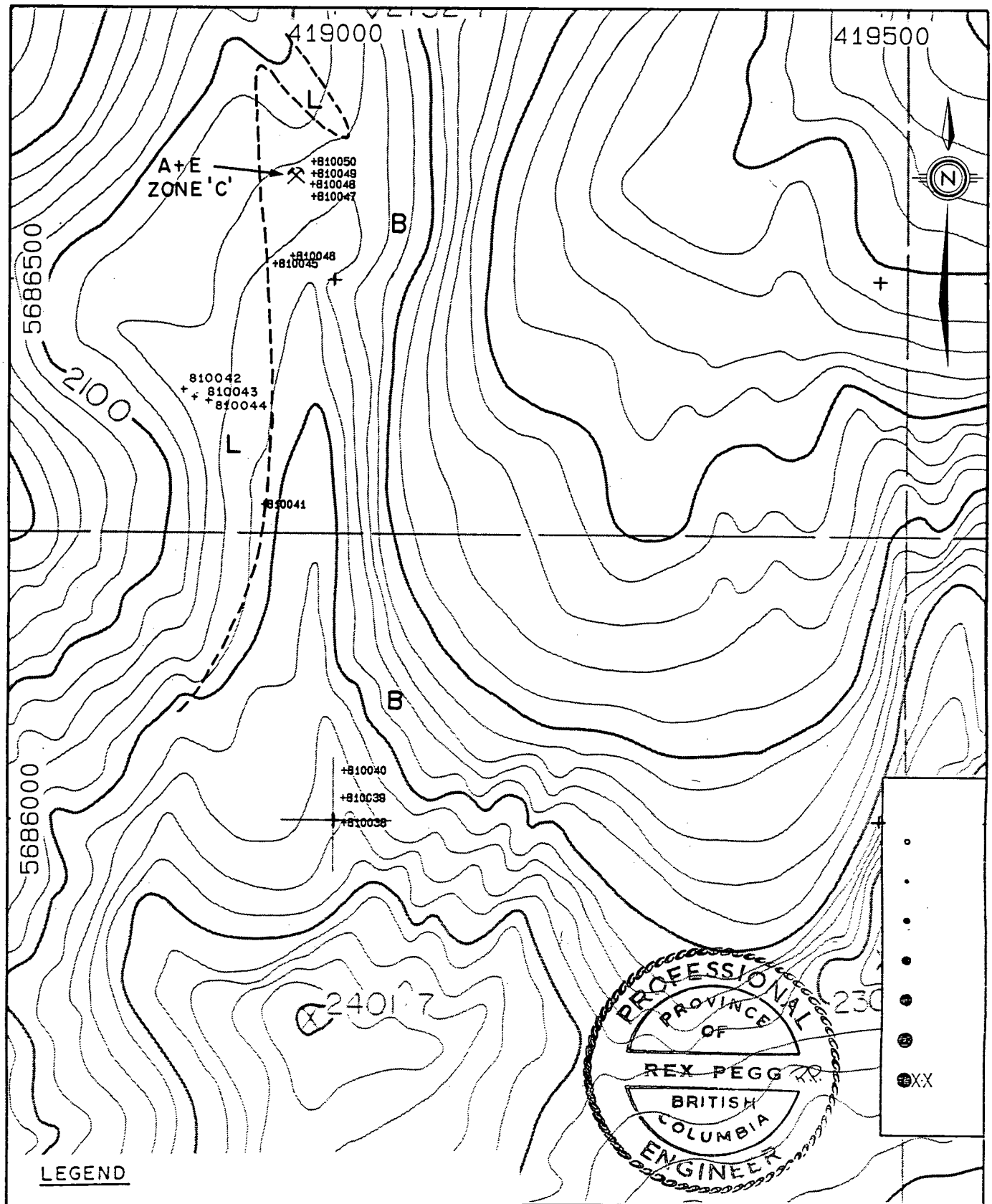
25. Cadmium (Fig. 80)

The two anomalies (7 and 14 ppm Cd) are from Zone 'C' and are multi-element anomalies.

26. Gallium and Germanium

There are four elevated gallium results (10,10, 15 and 18 ppm) from the three geologic formations while all of the germanium results are at background levels of 5 ppm.

*Please Note: Due to the small number of rock samples collected, result levels are only relative and are not an absolute determination of anomaly levels.



SELCO DIVISION -
BP RESOURCES CANADA LIMITED

ROSEBERRY GRID

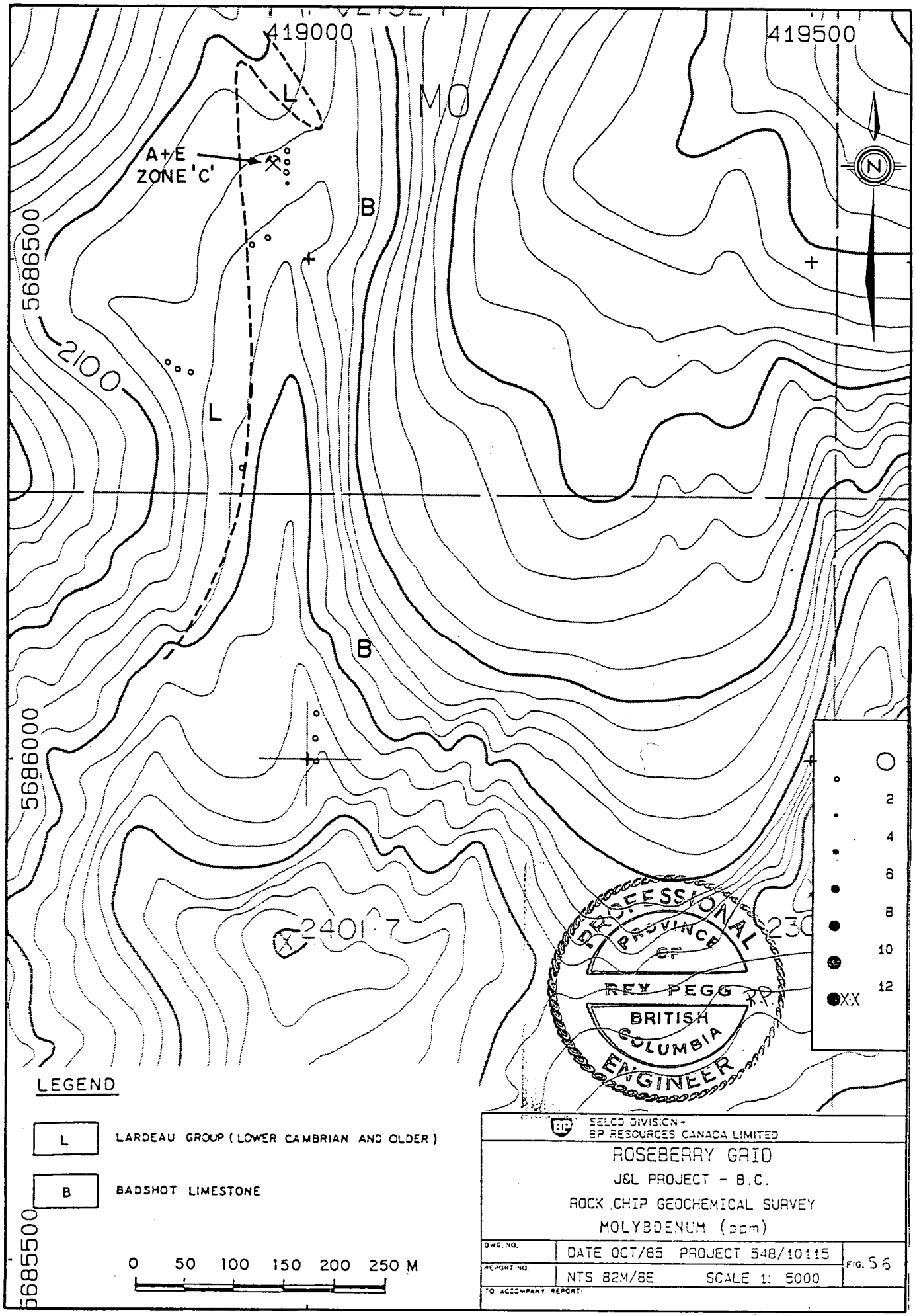
J&L PROJECT - B.C.

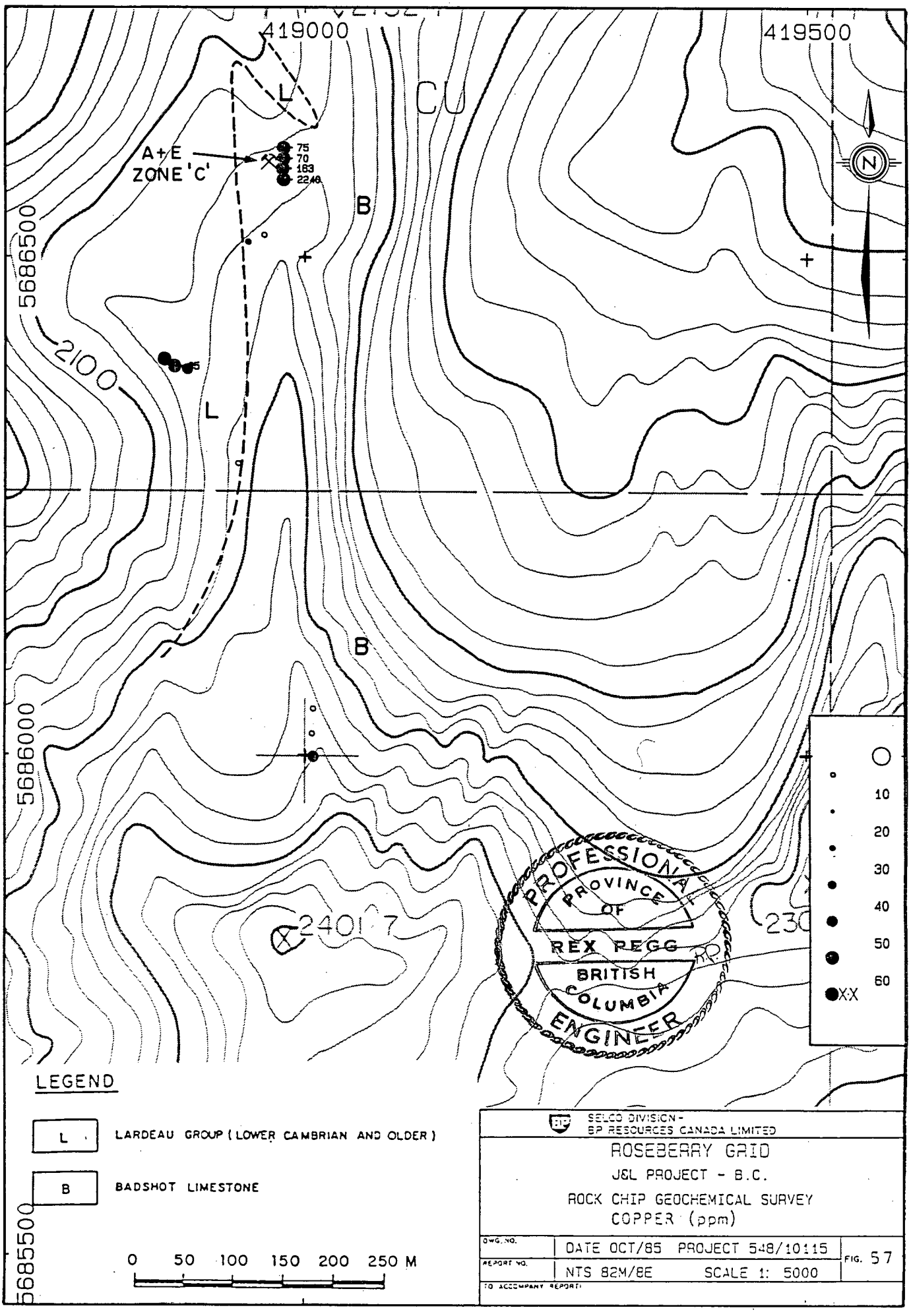
ROCK CHIP GEOCHEMICAL SURVEY

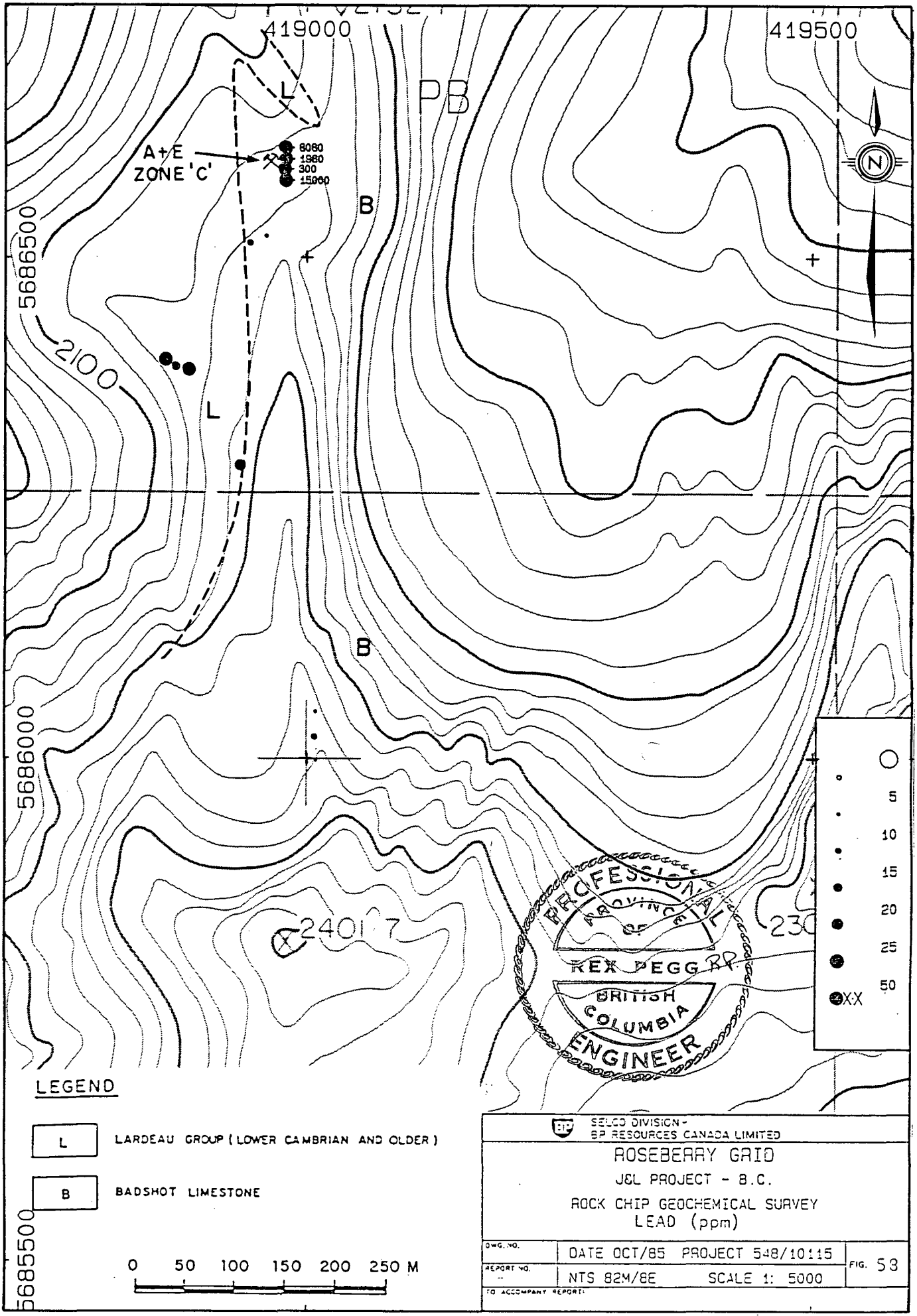
SAMPLE LOCATION

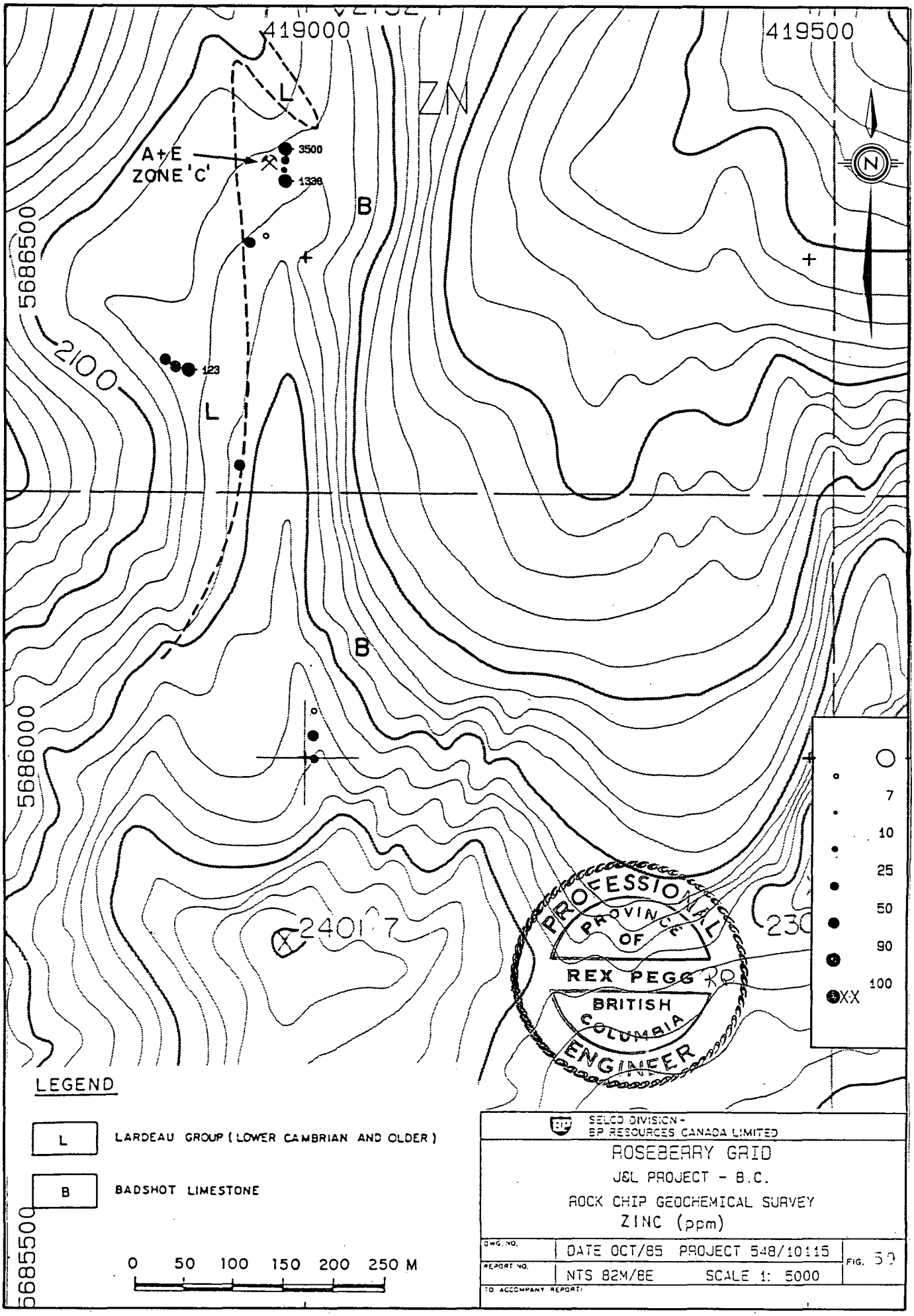
DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 55
REPORT NO.	NTS 82M/8E SCALE 1: 5000	

TO ACCOMPANY REPORT


419000
419500
MO
A+E
ZONE 'C'
L
B
5686500
5686000
5685500
2100
2401.7
N
2
4
6
8
10
XX
12
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
0 50 100 150 200 250 M
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REY PEGG P.Eng.
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
MOLYBDENUM (ppm)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
REPORT NO.
NTS 82M/8E SCALE 1: 5000
FIG. 56
TO ACCOMPANY REPORT:


419000
419500
5686500
5686000
5685500
2100
A+E
ZONE 'C'
75
70
183
2240
L
B
CU
N
10
20
30
40
50
60
XX
2401.7
LEGEND
L LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B BADSHOT LIMESTONE
0 50 100 150 200 250 M
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX REGG
SELCO DIVISION - BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
COPPER (ppm)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
FIG. 57
REPORT NO.
NTS 82M/8E SCALE 1: 5000
TO ACCOMPANY REPORT:


419000
419500
PB
L
B
A+E
ZONE 'C'
8060
1960
300
15000
5686500
2100
5686000
5685500
2401
230
N
0
5
10
15
20
25
50
XX
REX PEGG P.
PROFESSIONAL
PROVINCIAL
ENGINEER
BRITISH
COLUMBIA
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
0 50 100 150 200 250 M
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
LEAD (ppm)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
FIG. 58
REPORT NO.
NTS 82M/8E SCALE 1: 5000
TO ACCOMPANY REPORT:


419000
419500
ZN
A+E
ZONE 'C'
3500
1330
123
B
L
5686500
5686000
5685500
2100
2401
7
230
N
7
10
25
50
90
100
XX
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
0 50 100 150 200 250 M
PROFESSIONAL ENGINEER
PROVINCE OF
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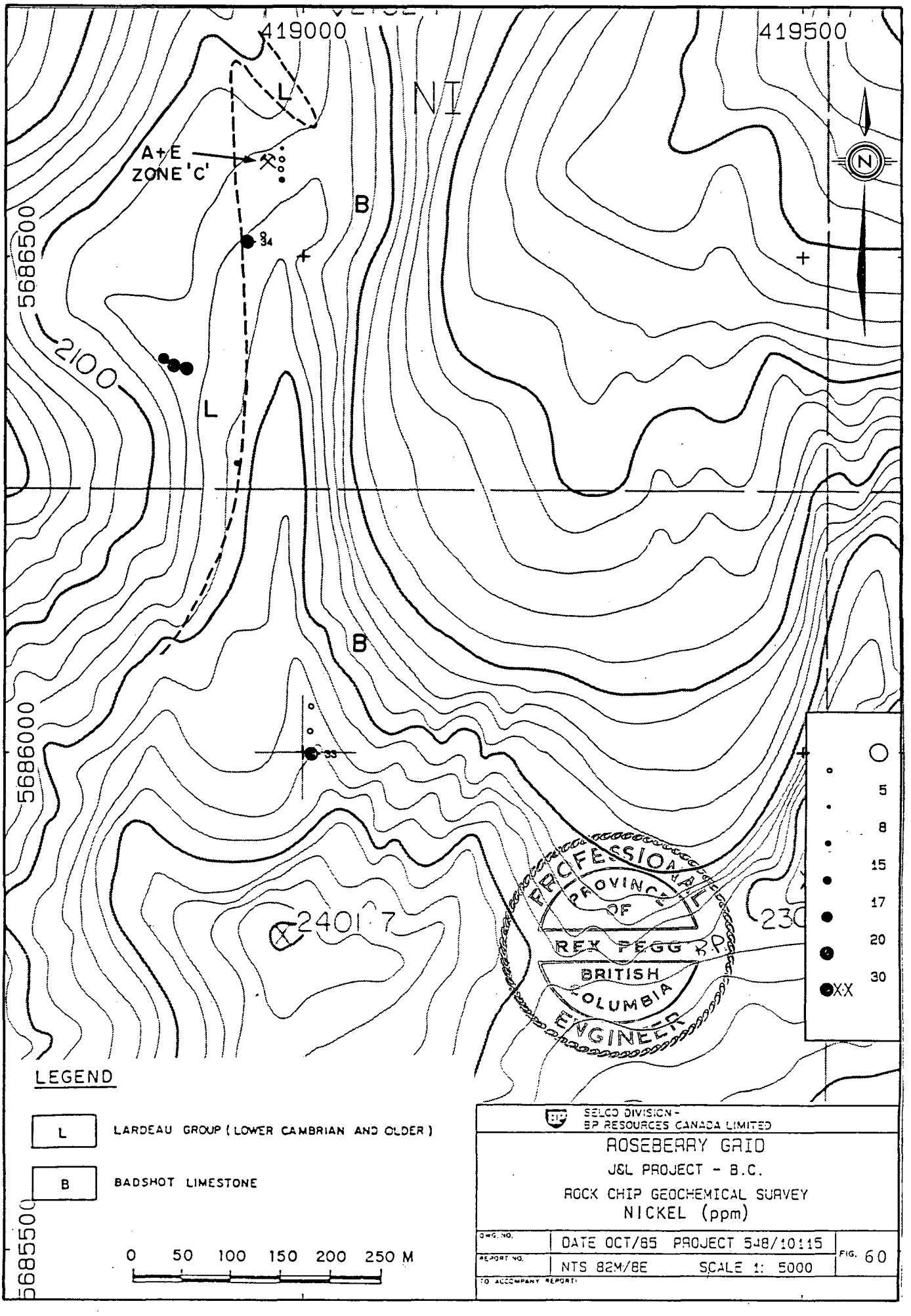
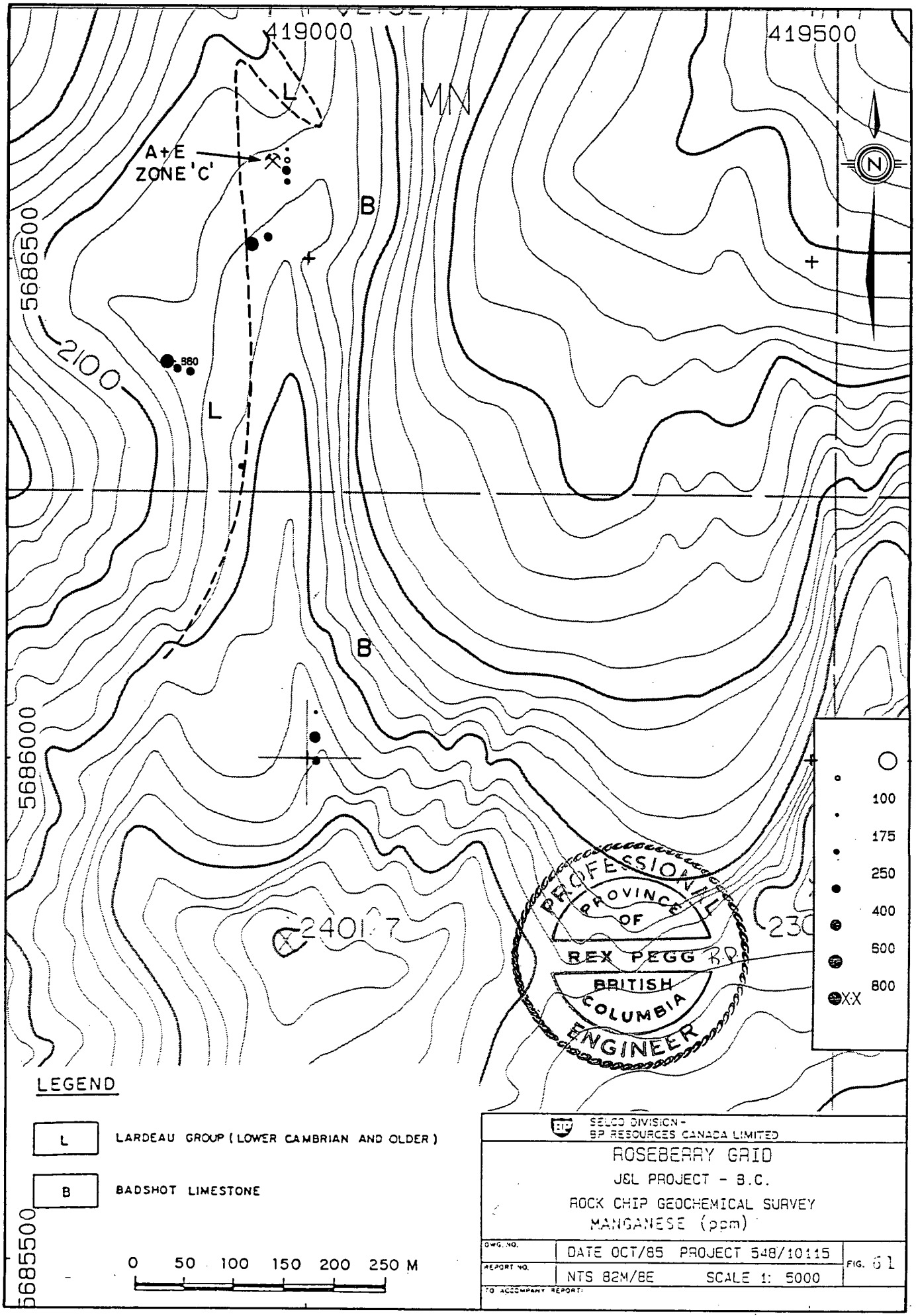
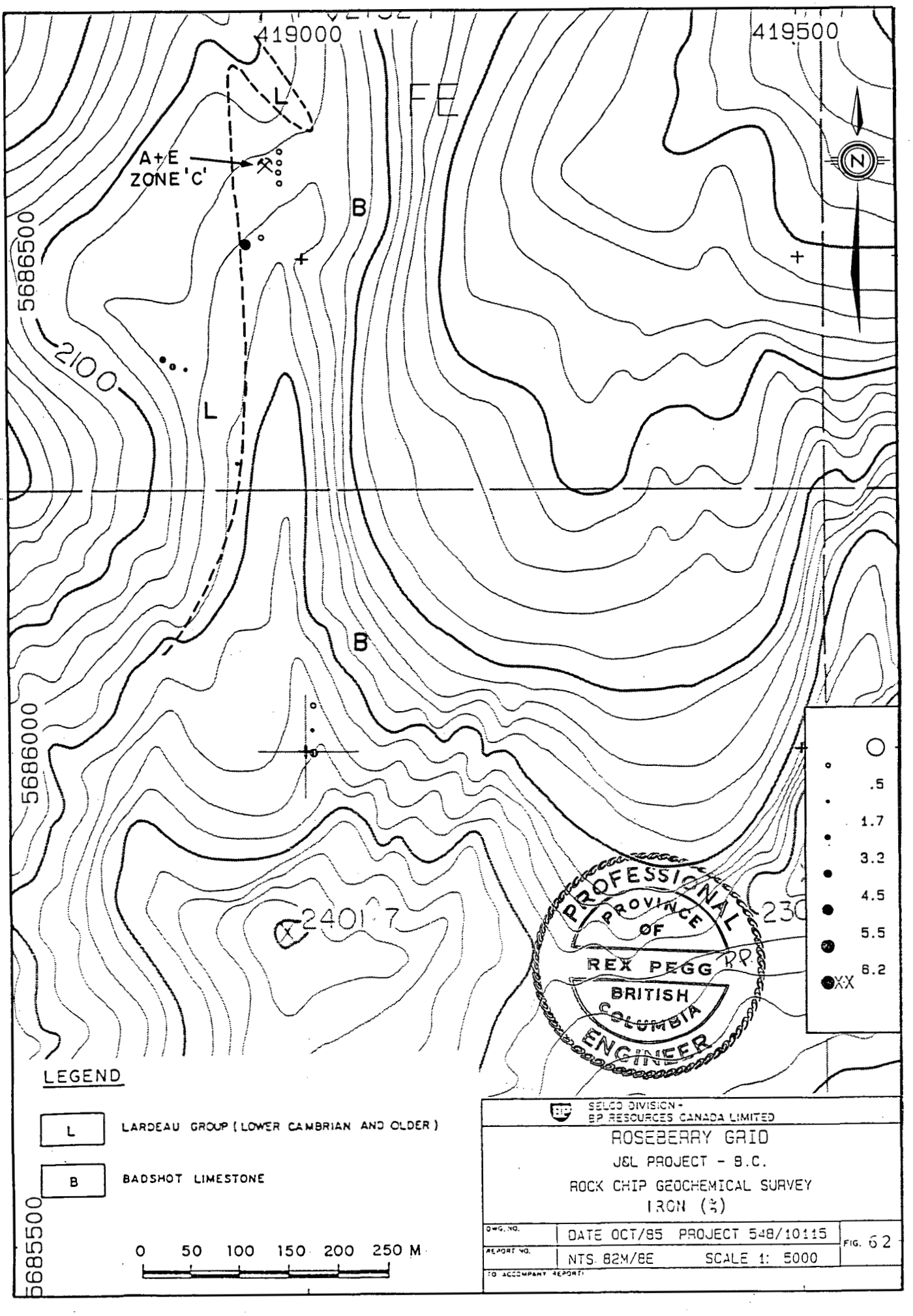
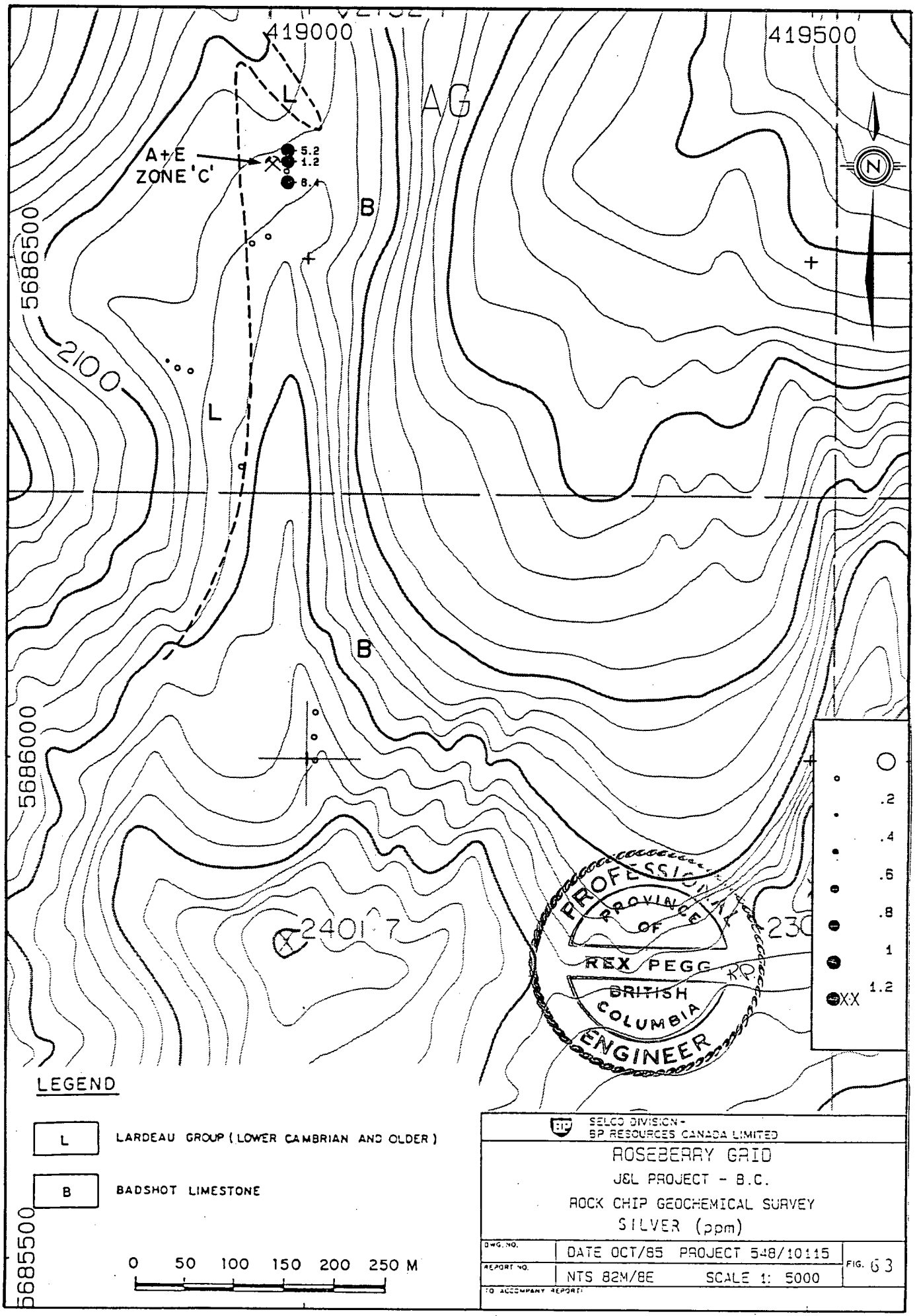
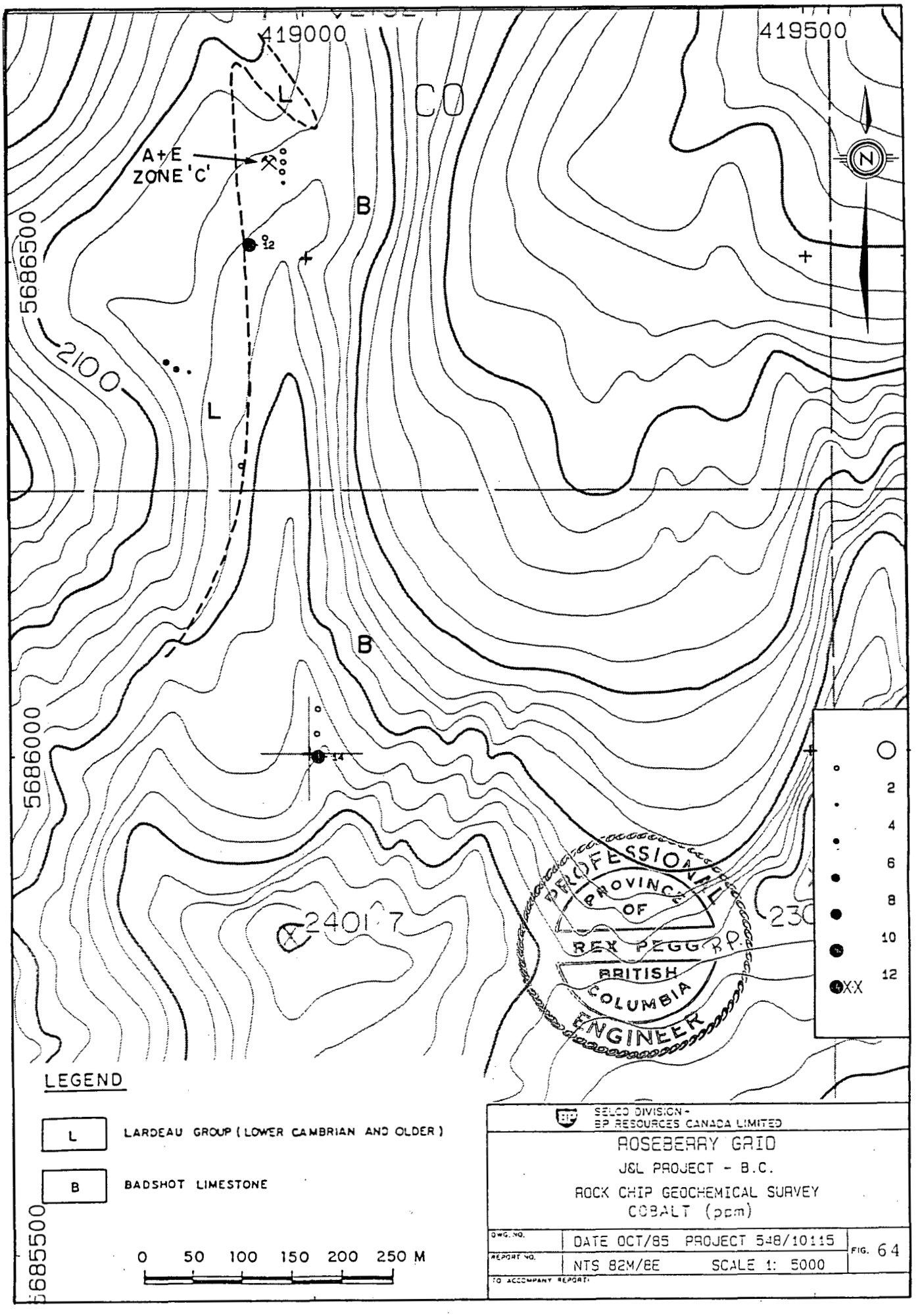
BRITISH COLUMBIA
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
ZINC (ppm)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
FIG. 30
REPORT NO.
NTS 82M/8E SCALE 1: 5000
TO ACCOMPANY REPORT:


419000
419500
5686500
5686000
5685500
2100
2401
A+E
ZONE 'C'
L
B
N
LEGEND
L LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B BADSHOT LIMESTONE
0 50 100 150 200 250 M
5
8
15
17
20
30
X.X
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX PEGG B.P.
SELCO DIVISION - BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
NICKEL (ppm)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
REPORT NO.
NTS 82M/8E SCALE 1: 5000
FIG. 60
TO ACCOMPANY REPORT


419000
419500
A+E
ZONE 'C'
MN
L
B
5686500
2100
860
5686000
5685500
100
175
250
400
600
800
X-X
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
0 50 100 150 200 250 M
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX PEGG B.P.
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
MANGANESE (ppm)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
FIG. 61
REPORT NO.
NTS 82M/8E SCALE 1: 5000
TO ACCOMPANY REPORT:


419000
419500
5686500
5686000
5685500
2100
A+E
ZONE 'C'
L
B
FE
2401.7
.5
1.7
3.2
4.5
5.5
6.2
XX
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX PEGG P.Eng.
LEGEND
L LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B BADSHOT LIMESTONE
0 50 100 150 200 250 M
SELCO DIVISION - BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
IRON (%)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
FIG. 62
REPORT NO.
NTS 82M/8E SCALE 1: 5000
TO ACCOMPANY REPORT


419000
419500
A+E
ZONE 'C'
5.2
1.2
8.4
AG
L
B
5686500
5686000
5685500
2100
2401.7
N
.2
.4
.6
.8
1
1.2
X.X
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX PEGG
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
0 50 100 150 200 250 M
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
SILVER (ppm)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
REPORT NO.
NTS 82M/8E SCALE 1: 5000
FIG. 63
TO ACCOMPANY REPORT:


419000
419500
5686500
5686000
5685500
2100
A+E
ZONE 'C'
L
B
C0
12
14
2401
230
N
0
2
4
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8
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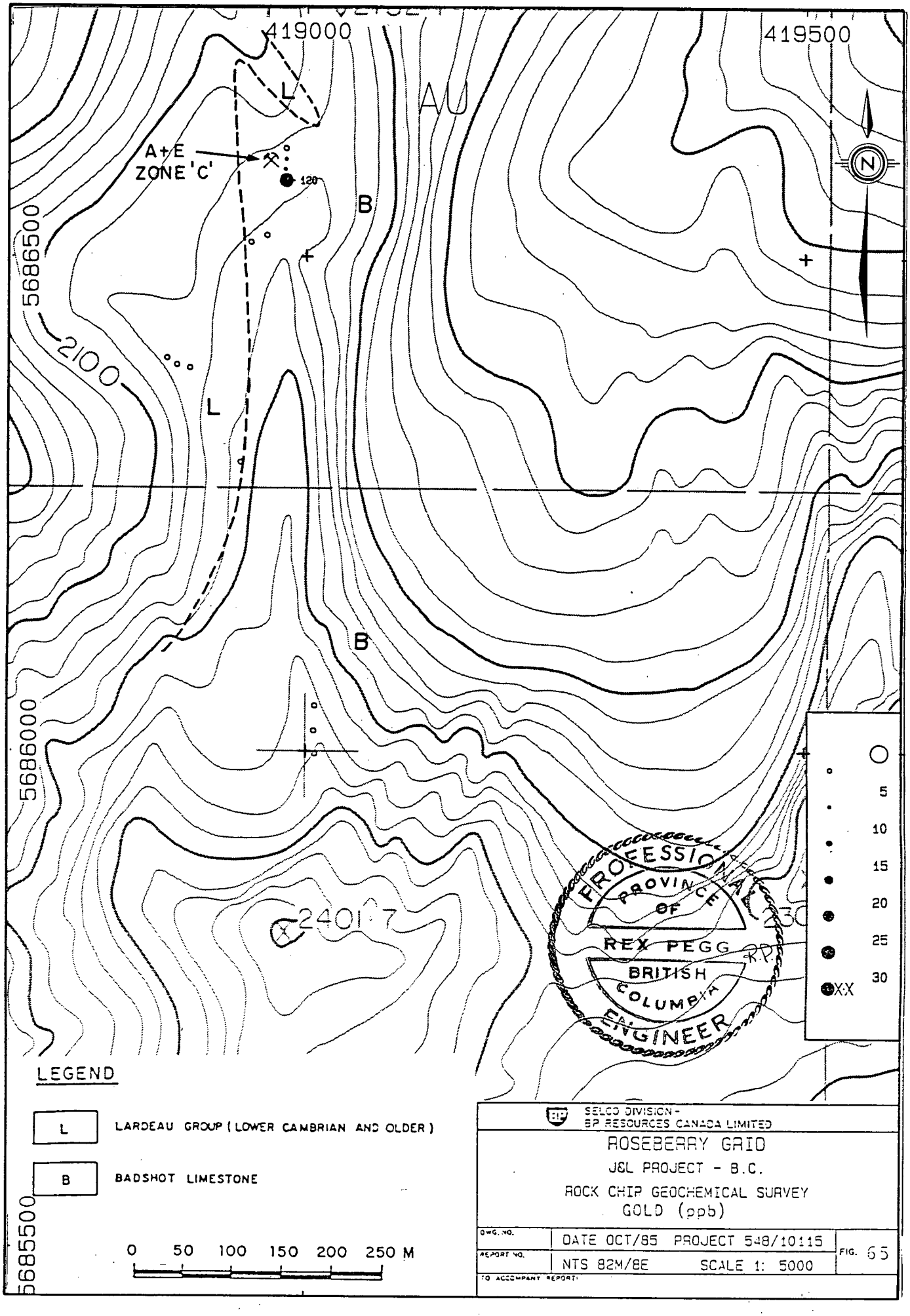
12
XX
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX PEGG R.P.
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
0 50 100 150 200 250 M
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
COBALT (ppm)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
FIG. 64
REPORT NO.
NTS 82M/8E SCALE 1: 5000
TO ACCOMPANY REPORT:



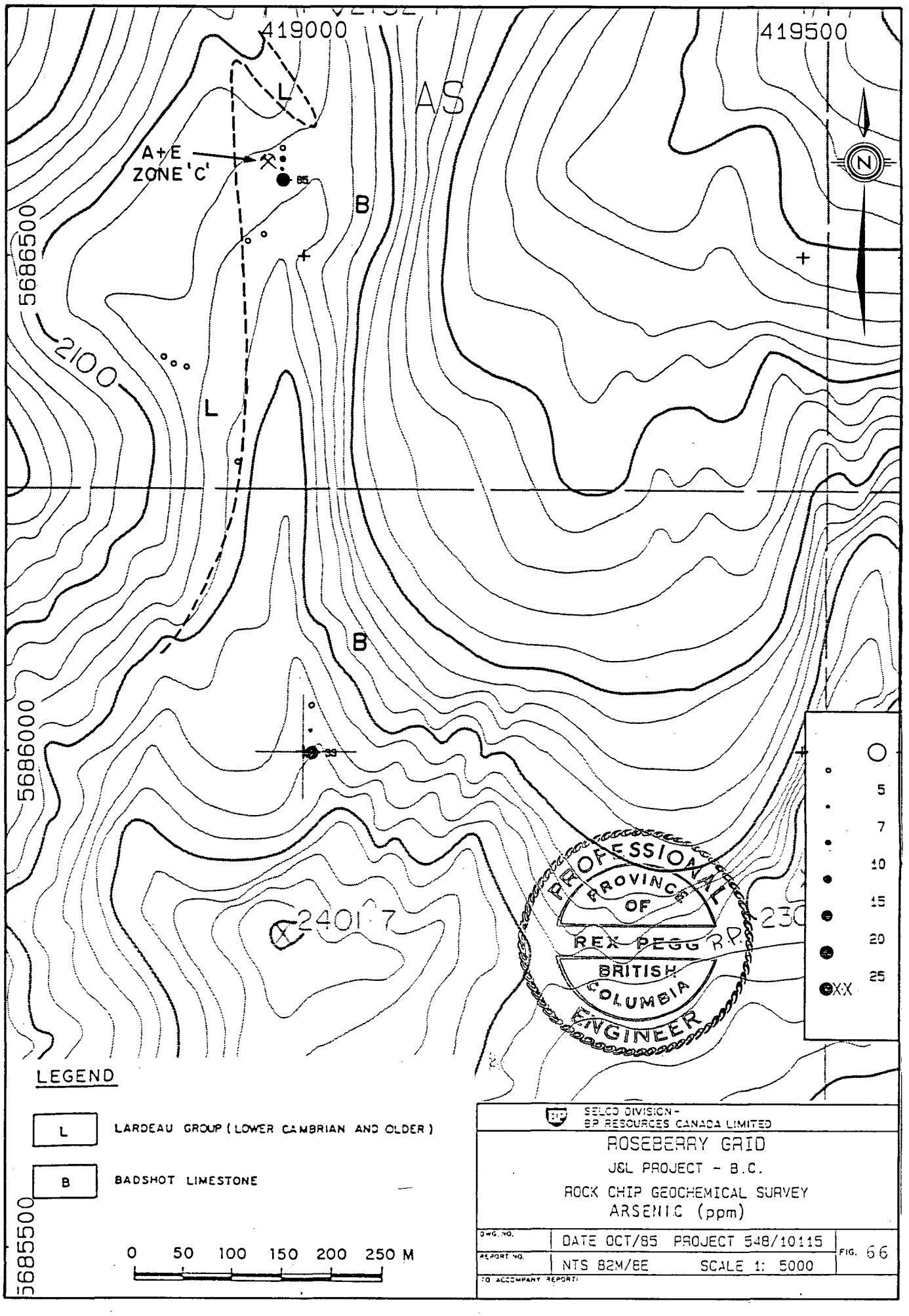
SELCO DIVISION -
BP RESOURCES CANADA LIMITED

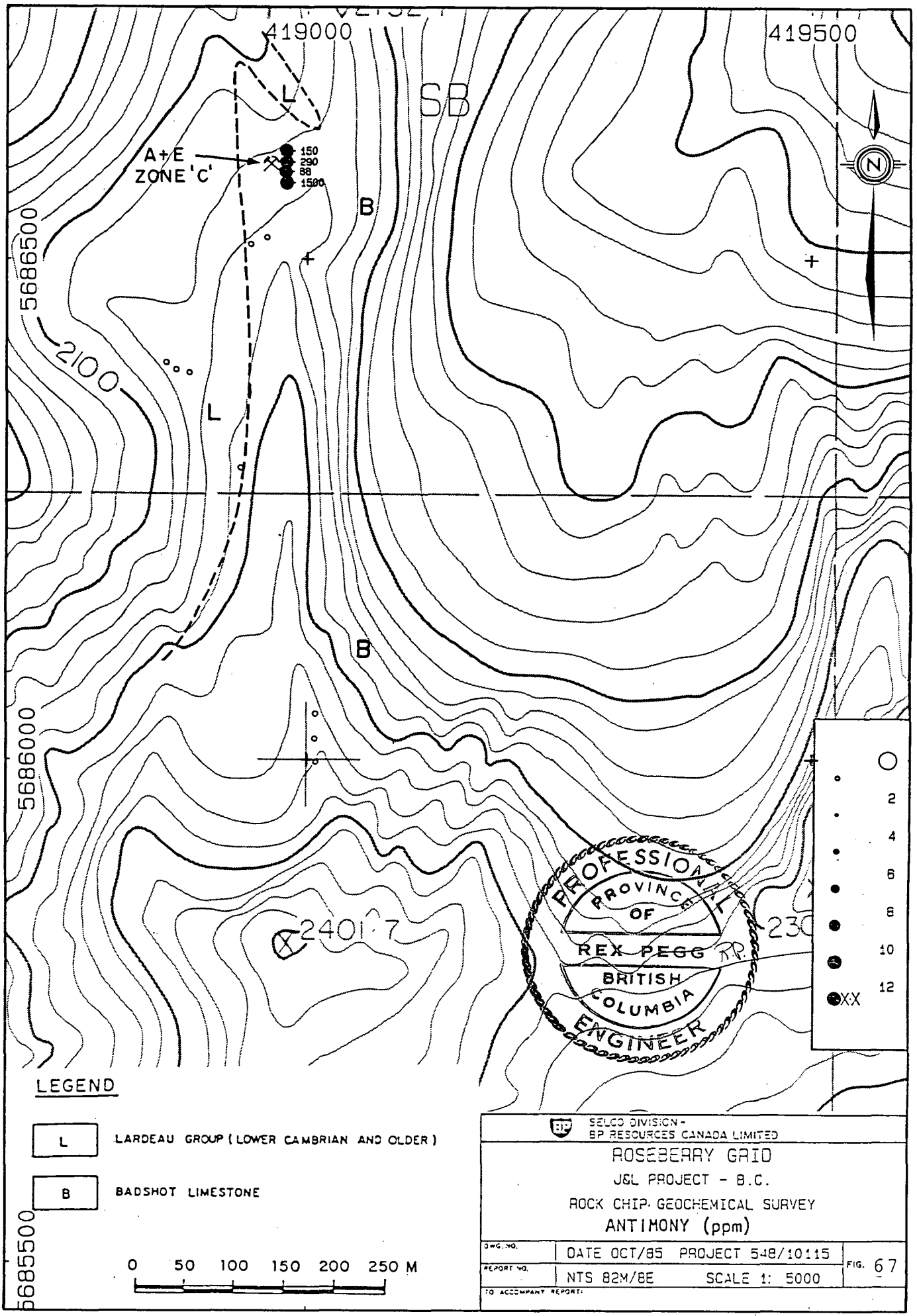
ROSEBERRY GRID

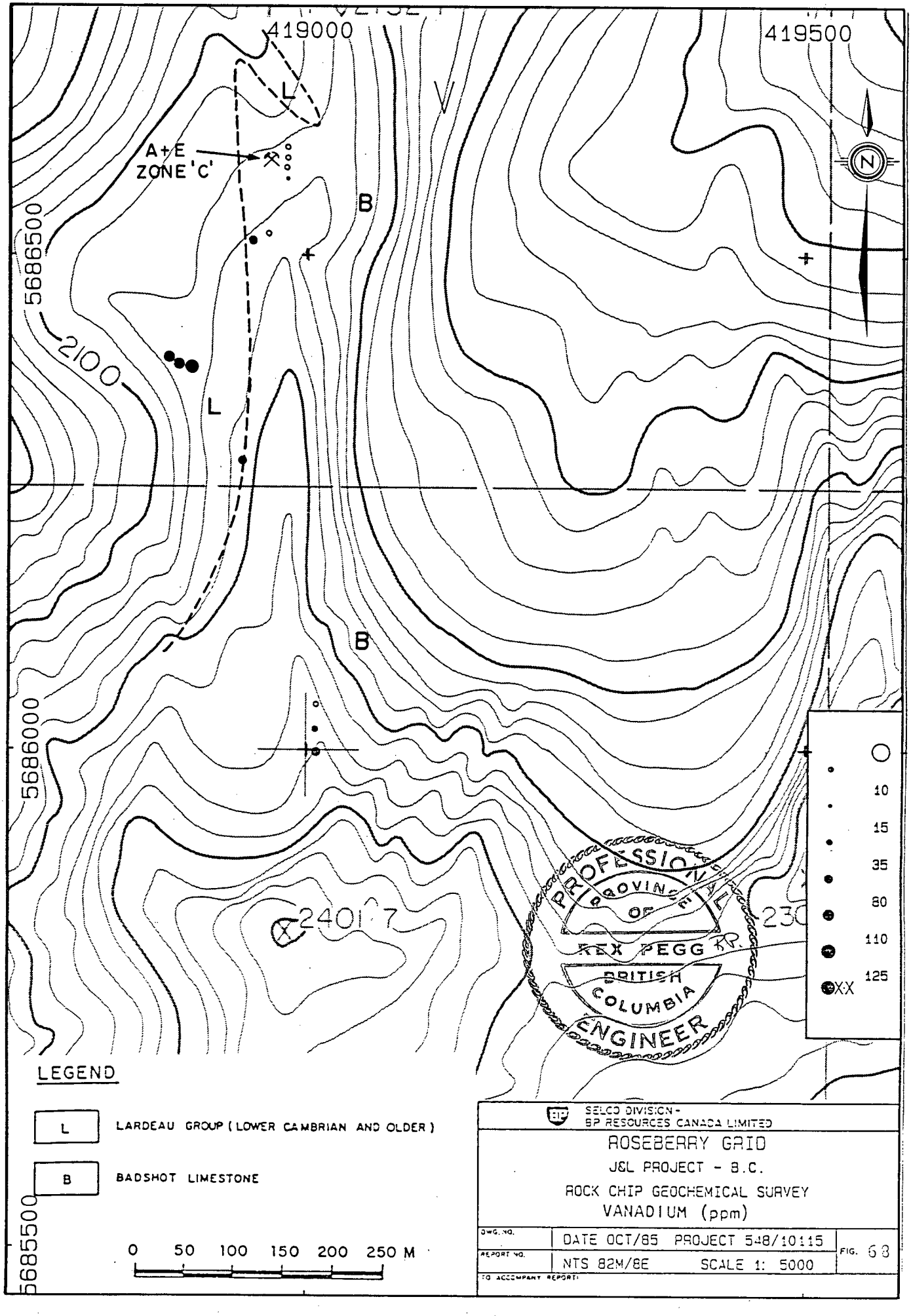
J&L PROJECT - B.C.

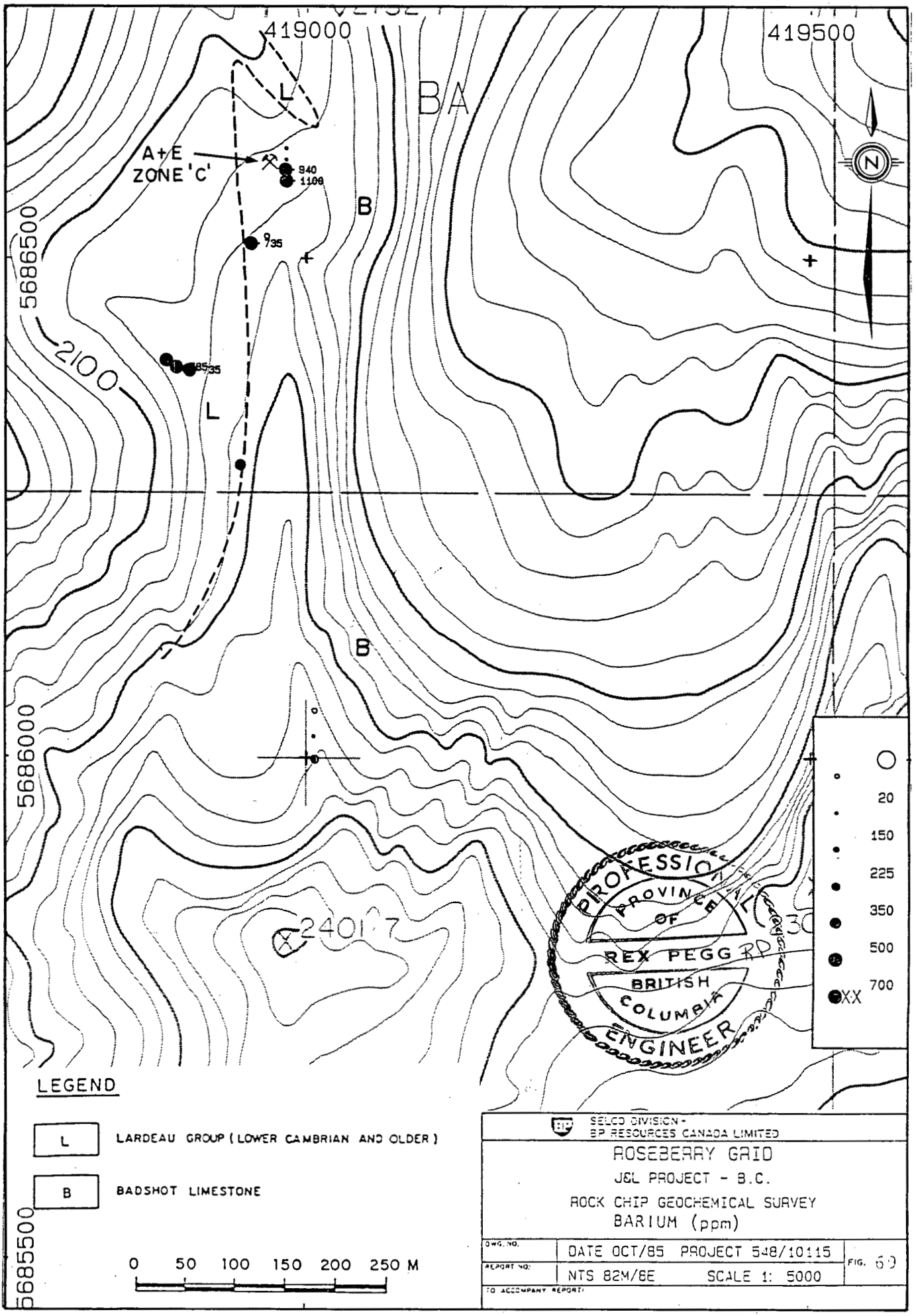
ROCK CHIP GEOCHEMICAL SURVEY
GOLD (ppb)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 65
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT		


419000
419500
A+E
ZONE 'C'
85
L
AS
B
5686500
2100
L
B
5686000
33
2401
230
N
O
5
7
10
15
20
25
XX
PROFESSIONAL
PROVINCE
OF
REX PEGG R.P.
BRITISH
COLUMBIA
ENGINEER
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
5685500
0 50 100 150 200 250 M
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
ARSENIC (ppm)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
FIG. 66
REPORT NO.
NTS 82M/8E SCALE 1: 5000
TO ACCOMPANY REPORT:


419000
419500
SB
L
B
A+E
ZONE 'C'
150
290
88
1500
5686500
5686000
5685500
2100
2401.7
N
2
4
6
8
10
XX
PROFESSIONAL
PROVINCE
OF
REX PEGG P.P.
BRITISH
COLUMBIA
ENGINEER
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
0 50 100 150 200 250 M
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
ANTIMONY (ppm)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
FIG. 67
REPORT NO.
NTS 82M/8E SCALE 1: 5000
TO ACCOMPANY REPORT:





SELCO DIVISION -
BP RESOURCES CANADA LIMITED

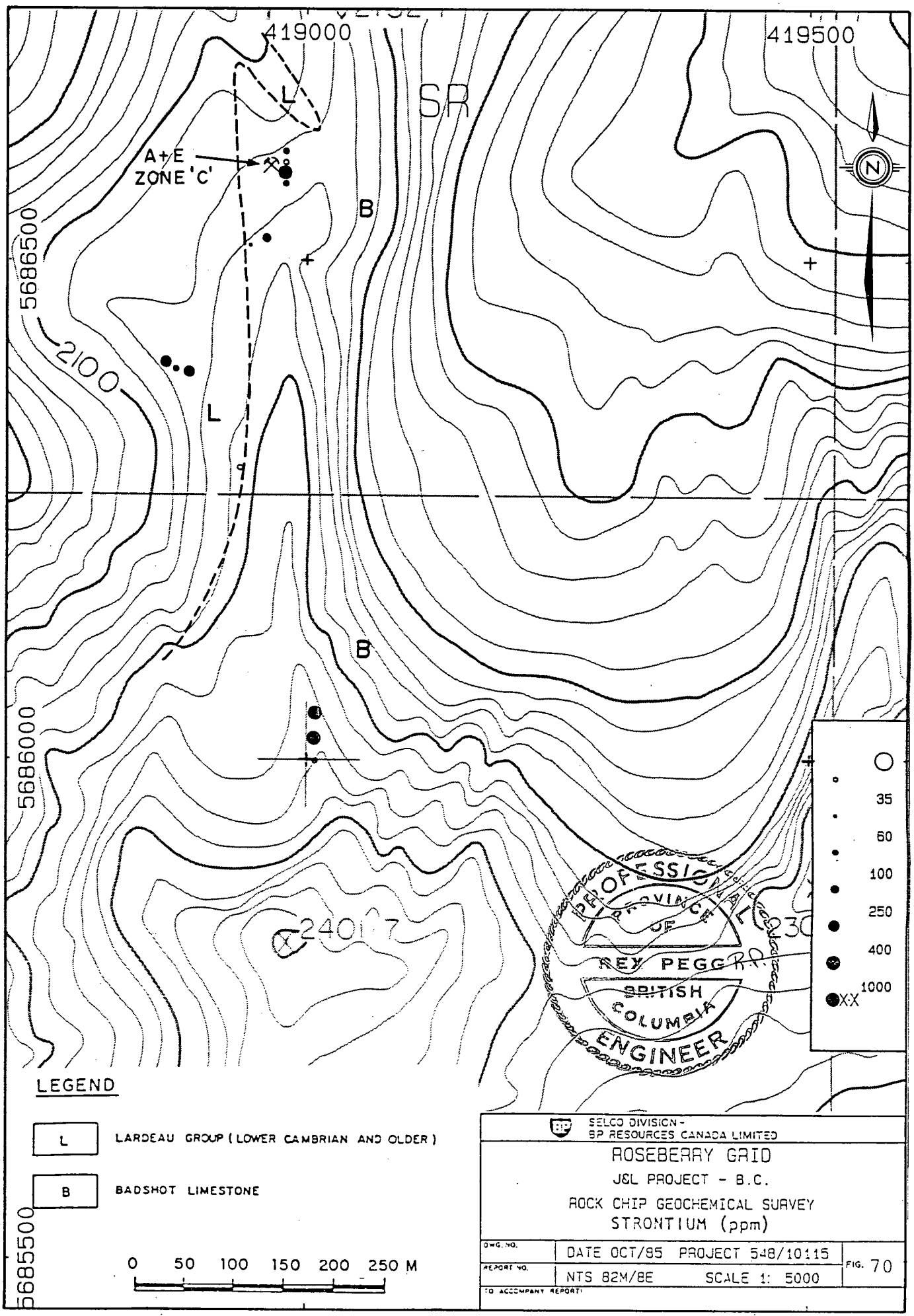
ROSEBERRY GRID

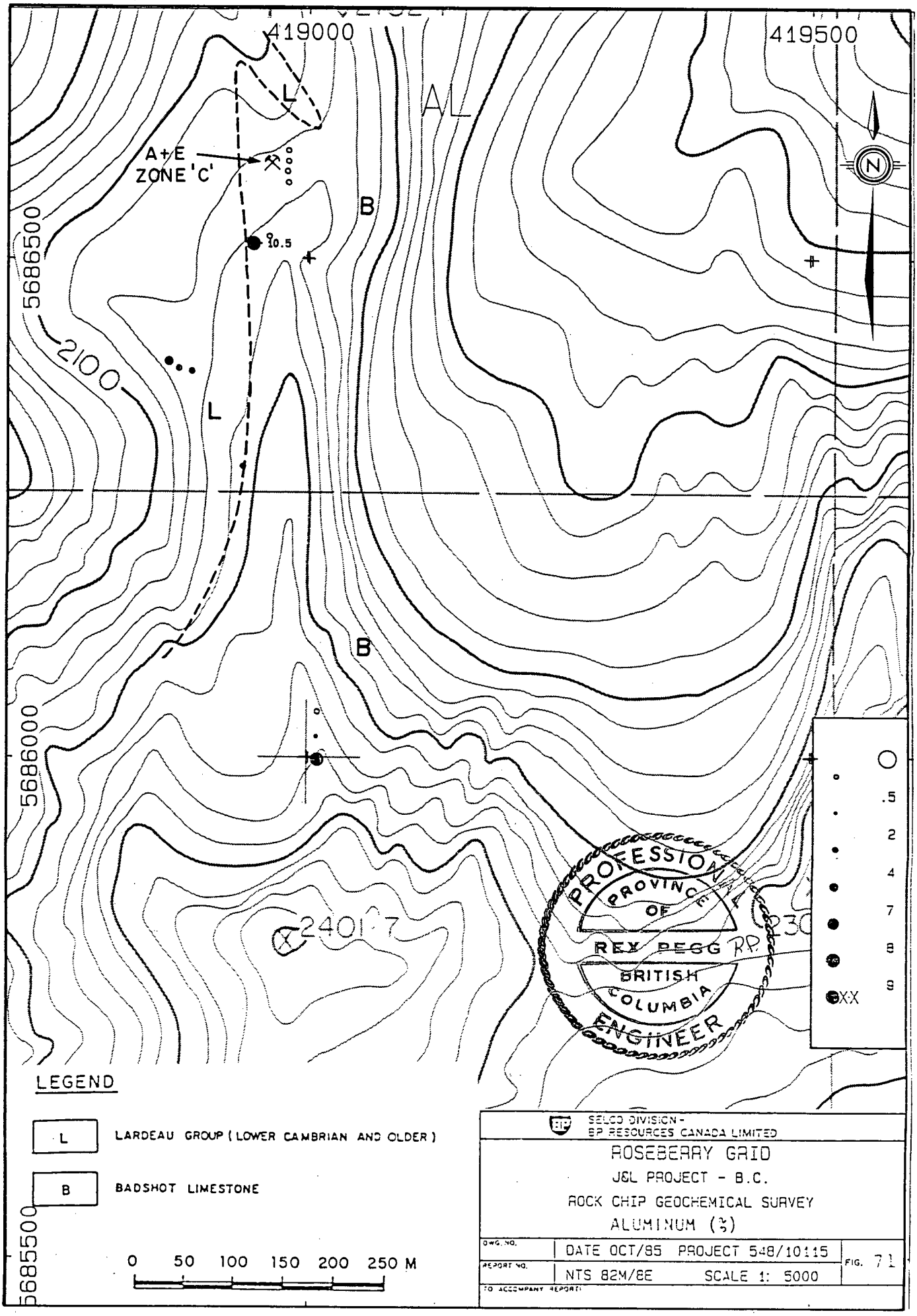
J&L PROJECT - B.C.

ROCK CHIP GEOCHEMICAL SURVEY

BARIUM (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 69
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		


419000
419500
SR
A+E
ZONE 'C'
B
L
5686500
2100
5686000
5685500
2401
35
60
100
250
400
1000
XX
N
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
0 50 100 150 200 250 M
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX PEGG
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
STRONTIUM (ppm)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
REPORT NO.
NTS 82M/8E SCALE 1: 5000
FIG. 70
TO ACCOMPANY REPORT!



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BP RESOURCES CANADA LIMITED

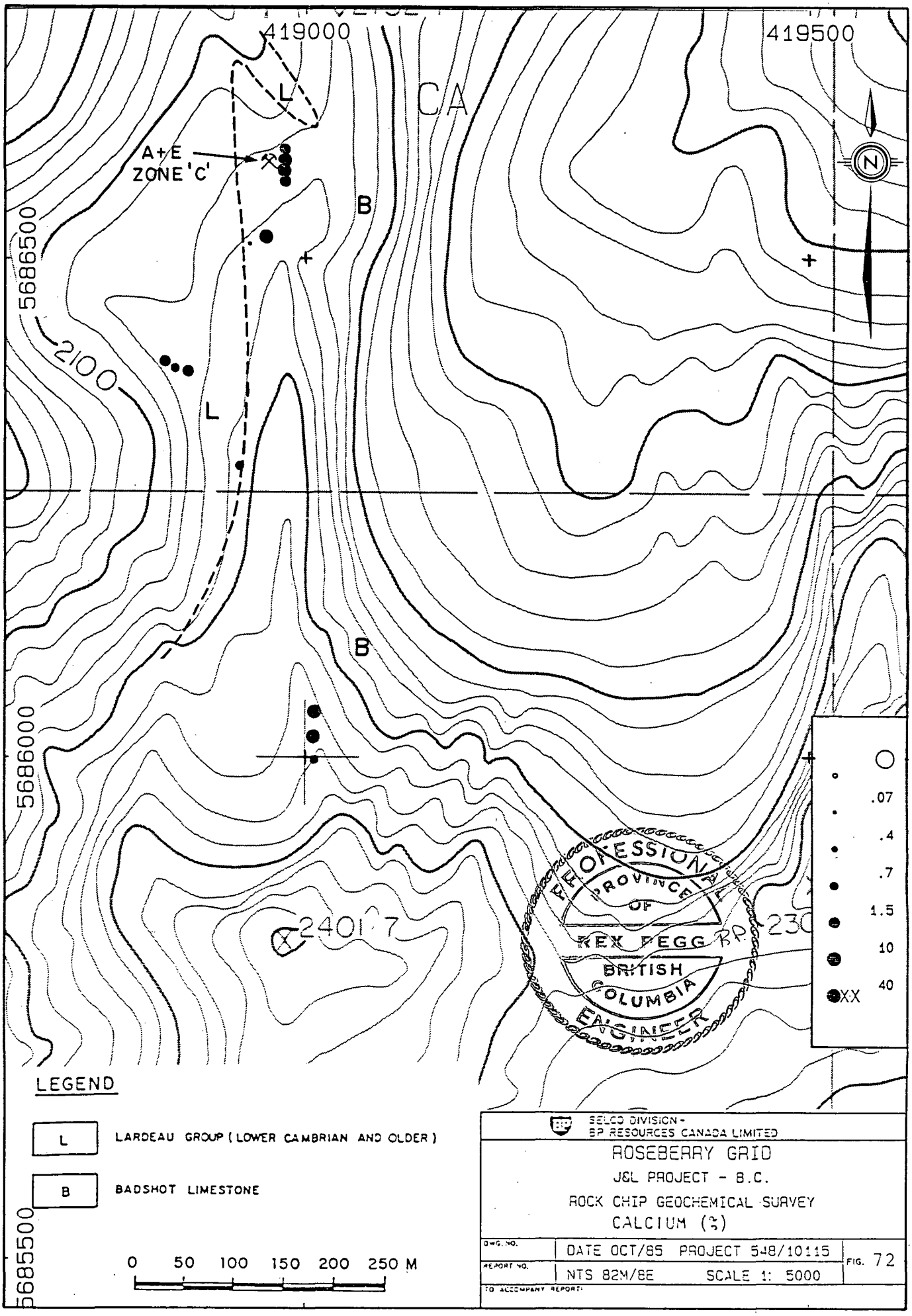
ROSEBERRY GRID

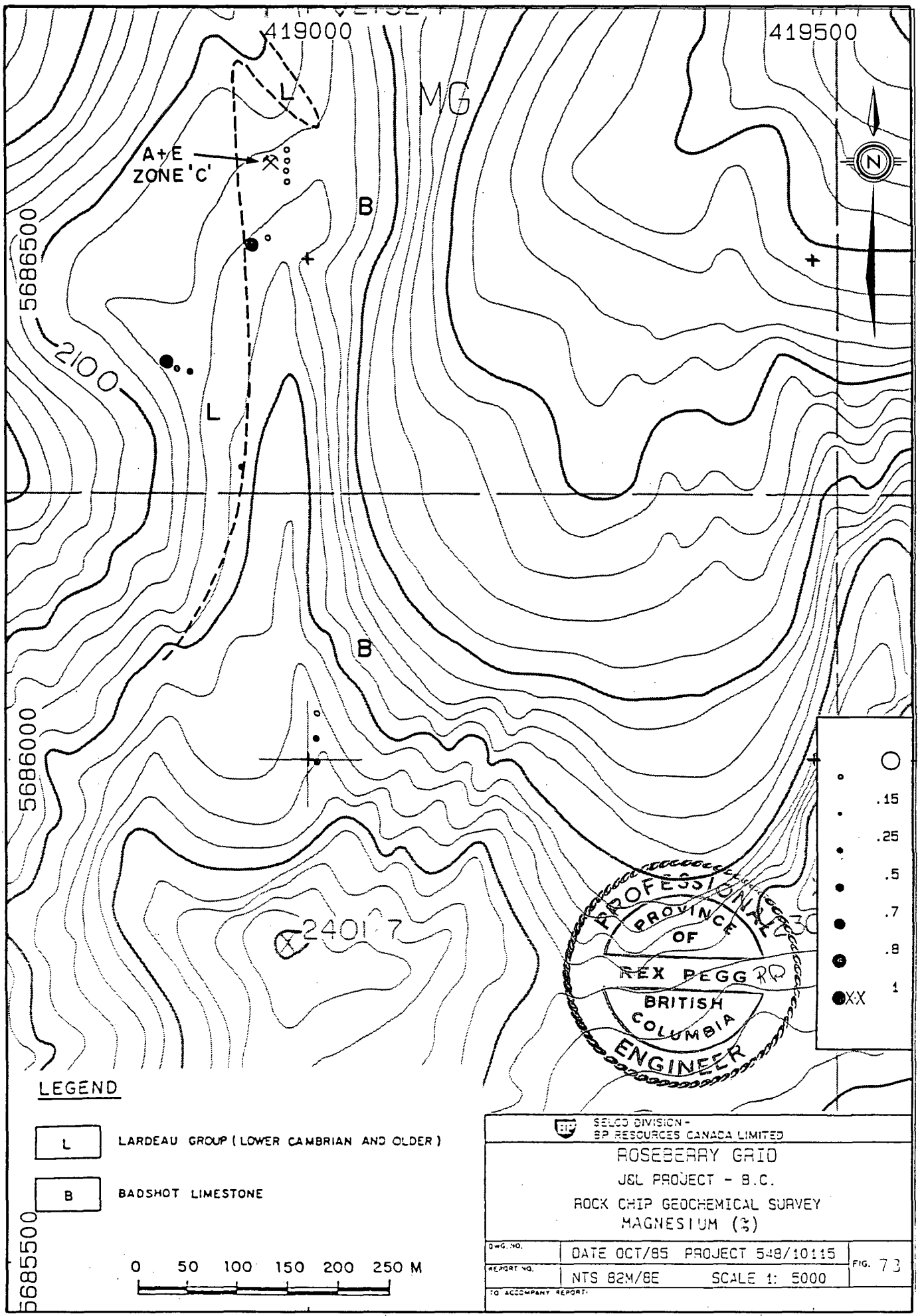
J&L PROJECT - B.C.

ROCK CHIP GEOCHEMICAL SURVEY

ALUMINUM (%)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 71
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		


419000
419500
A+E
ZONE 'C'
5686500
5686000
5685500
2100
L
B
CA
2401.7
N
.07
.4
.7
1.5
10
40
XX
REX PEGG BP
PROFESSIONAL ENGINEER
PROVINCE OF
BRITISH COLUMBIA
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
0 50 100 150 200 250 M
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
CALCIUM (%)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
FIG. 72
REPORT NO.
NTS 82M/8E SCALE 1: 5000
TO ACCOMPANY REPORT:



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BP RESOURCES CANADA LIMITED

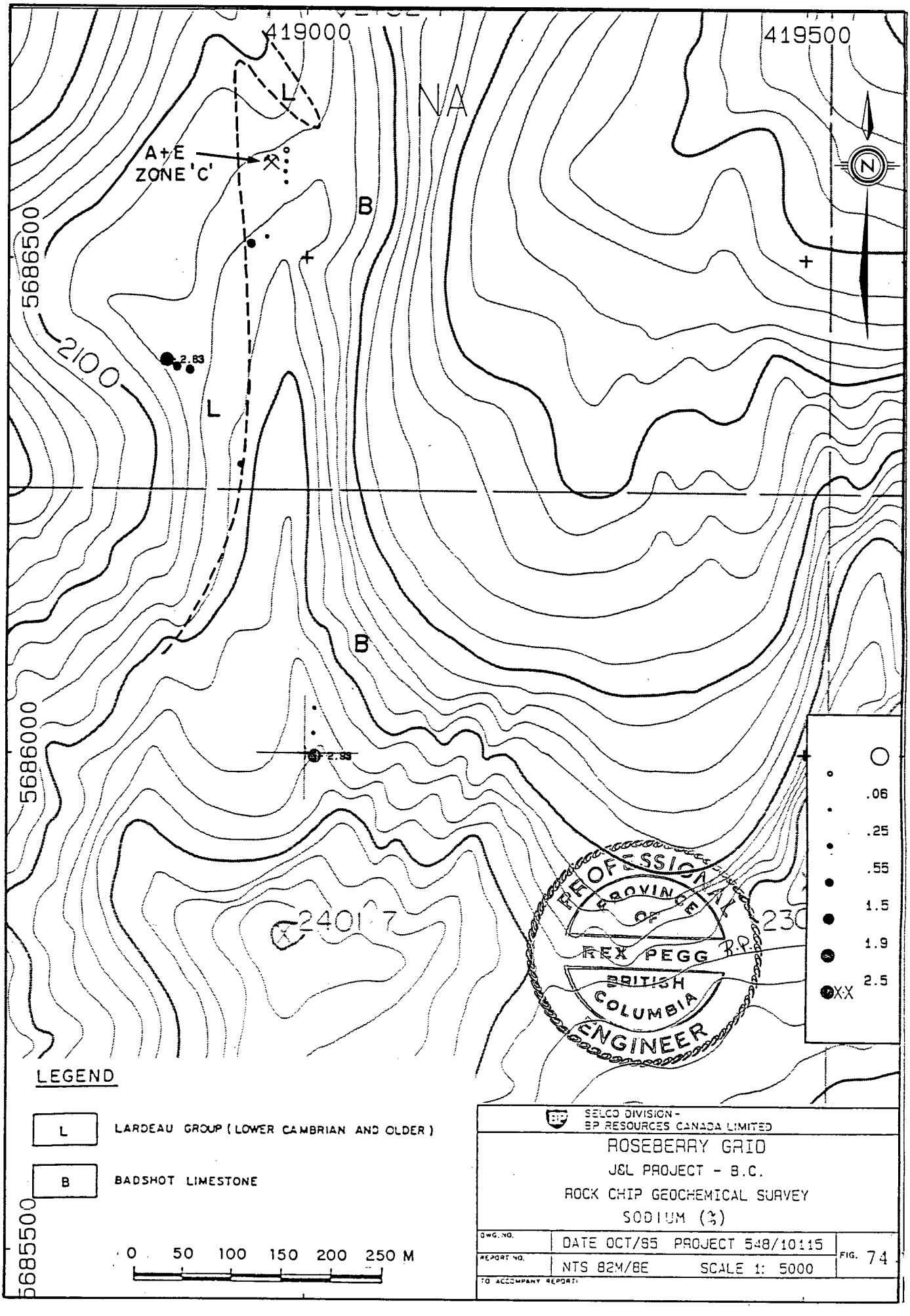
ROSEBERRY GRID

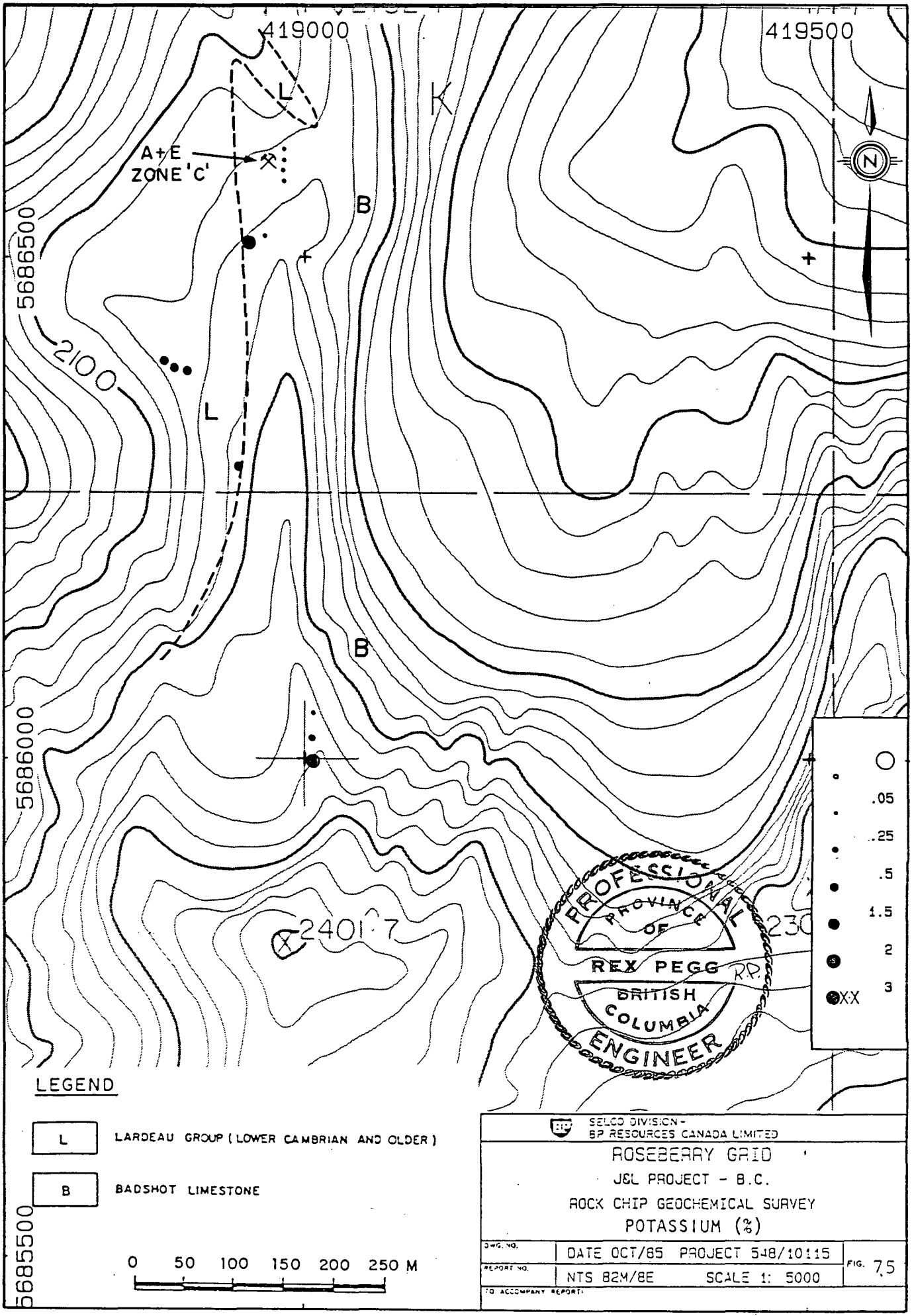
J&L PROJECT - B.C.

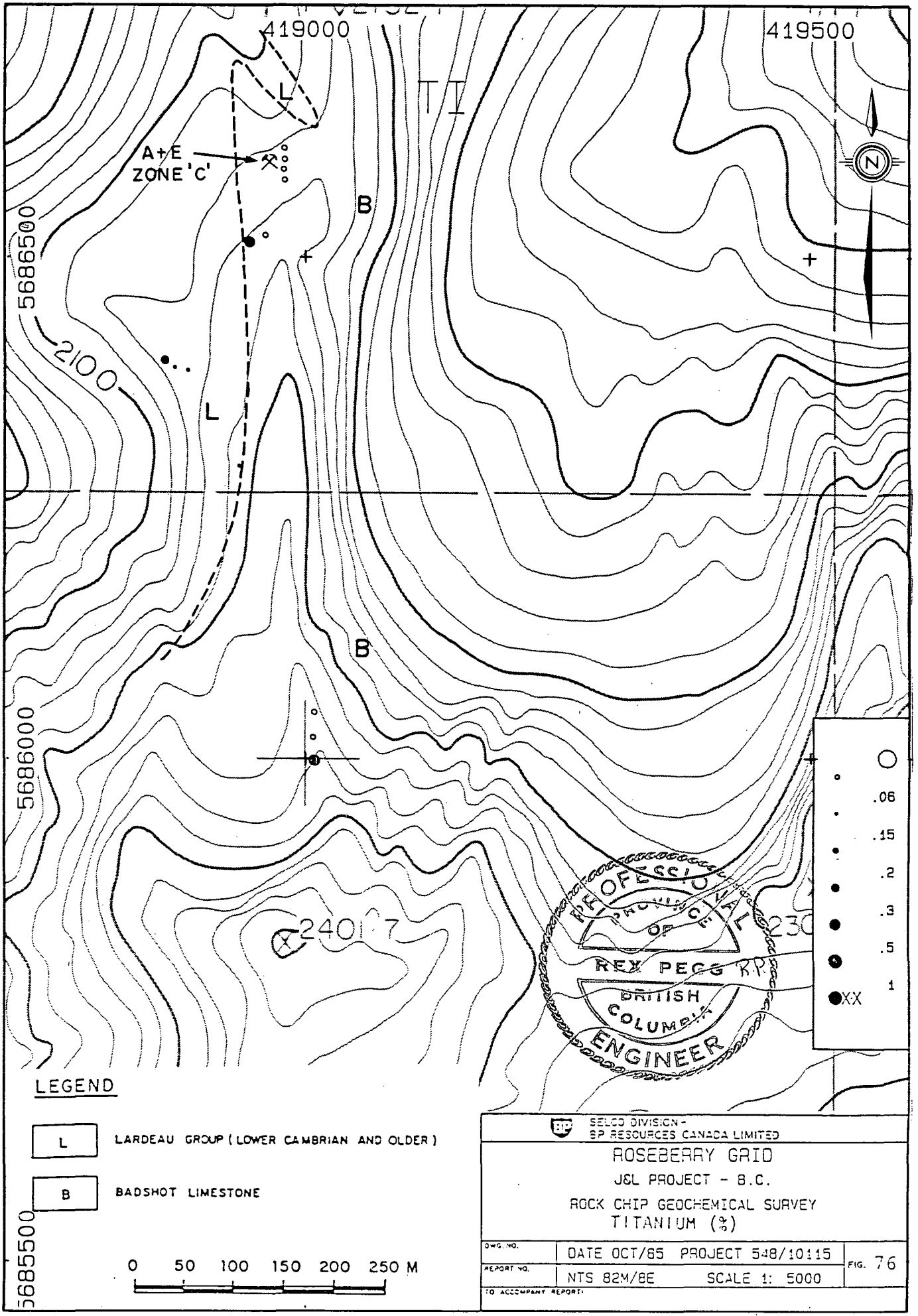
ROCK CHIP GEOCHEMICAL SURVEY

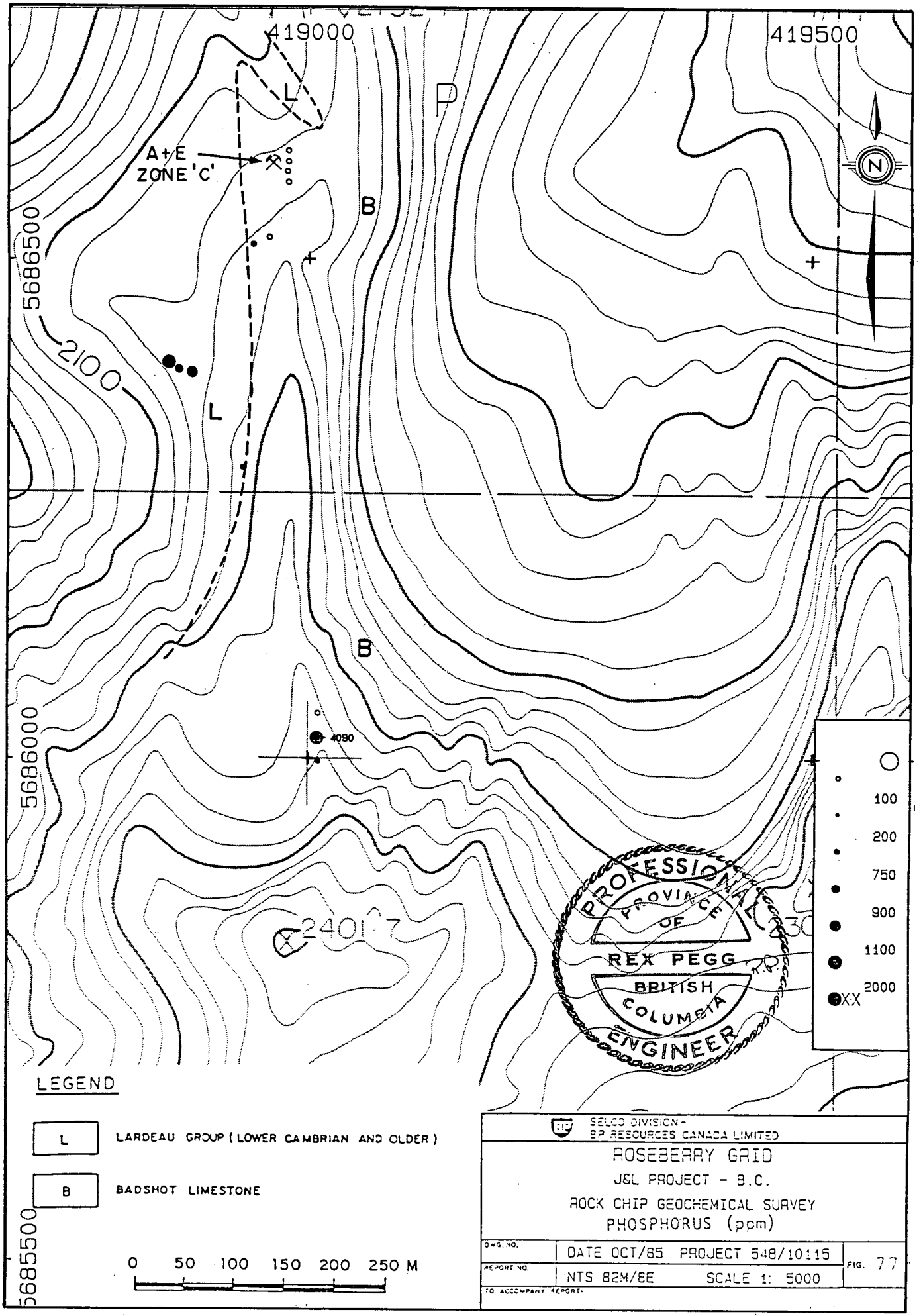
MAGNESIUM (%)

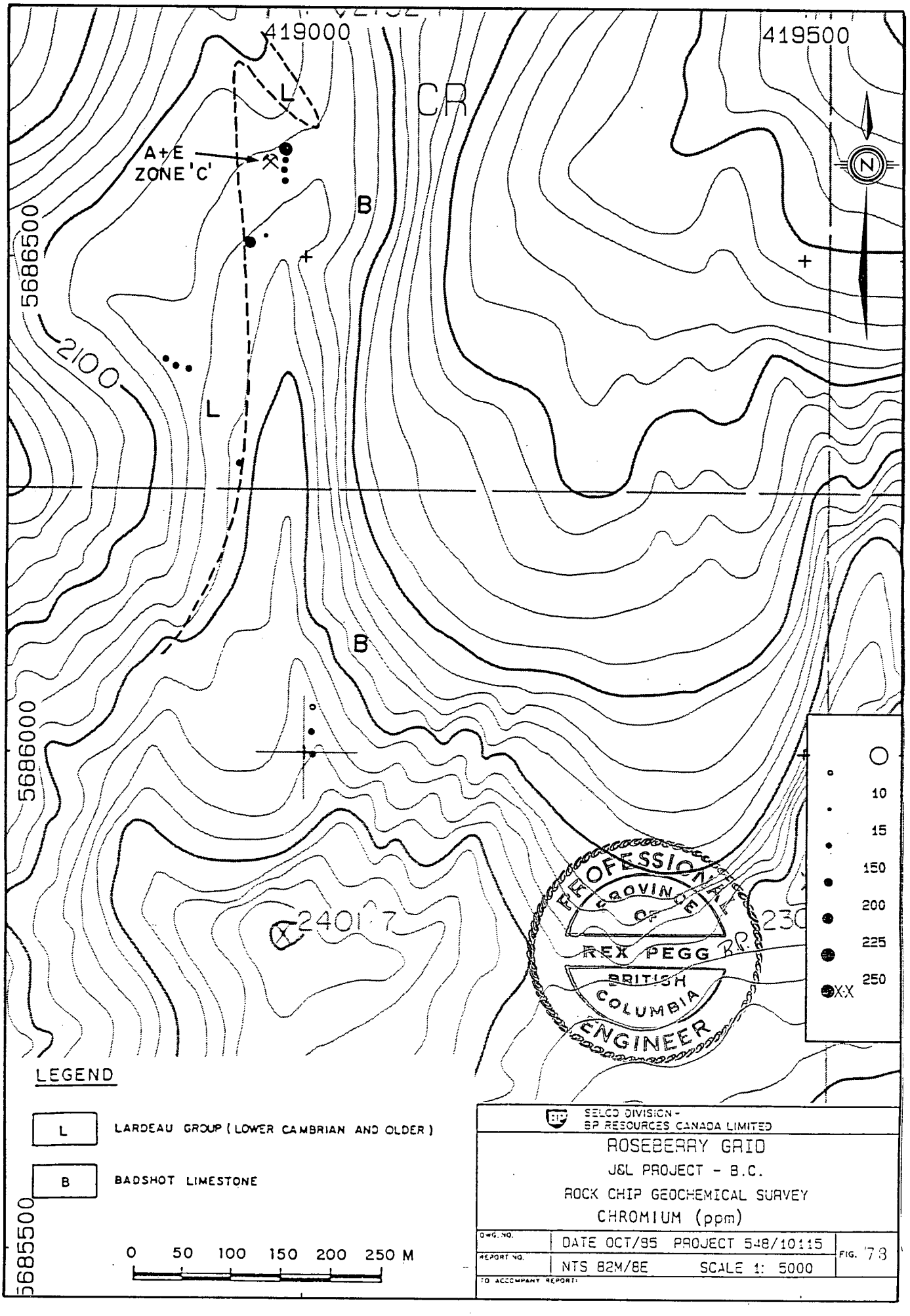
DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 73
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		

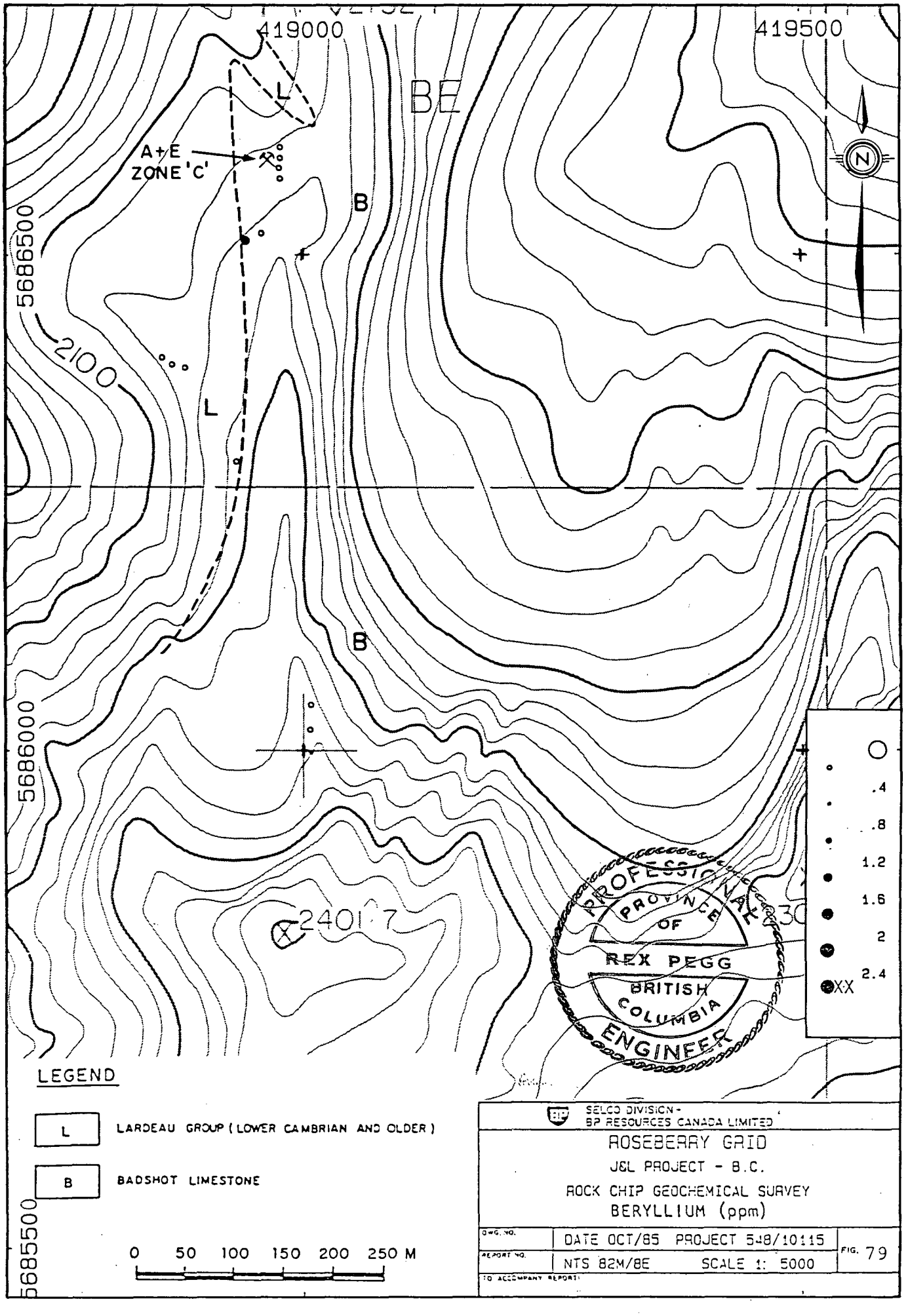

419000
419500
NA
A+E
ZONE 'C'
L
B
5686500
5686000
5685500
2100
2401
2.83
N
.06
.25
.55
1.5
1.9
2.5
X.X
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX PEGG P.Eng.
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
0 50 100 150 200 250 M
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
SODIUM (%)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
REPORT NO.
NTS 82M/8E SCALE 1: 5000
FIG. 74
TO ACCOMPANY REPORT:

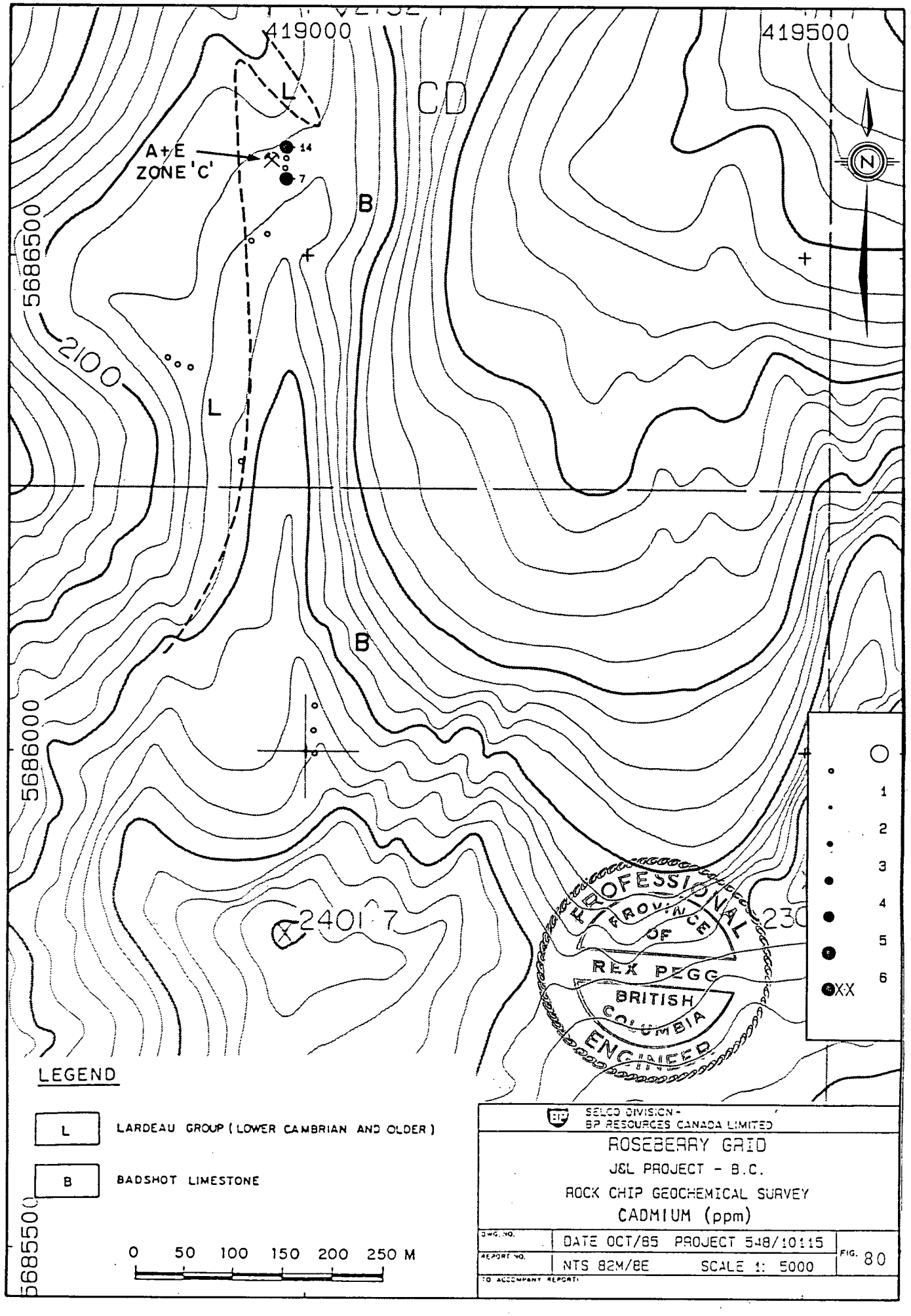

419000
419500
A+E
ZONE 'C'
5686500
5686000
5685500
2100
2401.7
L
K
B
N
.05
.25
.5
1.5
2
3
XX
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
0 50 100 150 200 250 M
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX PEGG P.Eng.
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
POTASSIUM (%)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
REPORT NO.
NTS 82M/8E SCALE 1: 5000
FIG. 7.5
TO ACCOMPANY REPORT:


419000
419500
A+E
ZONE 'C'
5686500
5686000
5685500
2100
2401
L
B
N
.06
.15
.2
.3
.5
1
XX
REX PEGG R.P.
BRITISH
COLUMBIA
ENGINEER
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
0 50 100 150 200 250 M
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
TITANIUM (%)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
FIG. 76
REPORT NO.
NTS 82M/8E SCALE 1: 5000
TO ACCOMPANY REPORT:


419000
419500
A+E
ZONE 'C'
5686500
5686000
5685500
2100
L
B
P
4090
2400
N
100
200
750
900
1100
2000
XX
PROFESSIONAL
PROVINCE OF
REX PEGG
BRITISH
COLUMBIA
ENGINEER
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
0 50 100 150 200 250 M
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
PHOSPHORUS (ppm)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
FIG. 77
REPORT NO.
NTS 82M/8E SCALE 1: 5000
TO ACCOMPANY REPORT:


419000
419500
CR
A+E
ZONE 'C'
B
L
5686500
2100
5686000
5685500
2401
230
N
10
15
150
200
225
250
X-X
PROFESSIONAL ENGINEER
PROVINCE OF
REX PEGG
BRITISH COLUMBIA
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
0 50 100 150 200 250 M
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
CHROMIUM (ppm)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
FIG. 73
REPORT NO.
NTS 82M/8E SCALE 1: 5000
TO ACCOMPANY REPORT:


419000
419500
BE
A+E
ZONE 'C'
B
L
5686500
2100
5686000
2401
5685500
0 50 100 150 200 250 M
LEGEND
L
LARDEAU GROUP (LOWER CAMBRIAN AND OLDER)
B
BADSHOT LIMESTONE
.4
.8
1.2
1.6
2
2.4
XX
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX PEGG
SELCO DIVISION -
BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
BERYLLIUM (ppm)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
REPORT NO.
NTS 82M/8E SCALE 1: 5000
FIG. 79
TO ACCOMPANY REPORT:



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ROSEBERRY GRID

J&L PROJECT - B.C.

ROCK CHIP GEOCHEMICAL SURVEY

CADMIUM (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 80
REPORT NO.	NTS 82M/8E SCALE 1: 5000	

TO ACCOMPANY REPORT:

4. Discussion of Results

I) Roseberry Grid

Gold and silver soil anomalies represent weak and isolated features which could be important if geochemical factors are unfavourable (i.e tip of a large but buried mineral occurrence; mainly in impenetrable overburden; unfavourable surface leaching conditions, etc.). Otherwise, the gold and silver distributions would not stimulate further activity. Distributions of copper and zinc compliment nickel, chromium, phosphorus, potassium, magnesium, aluminum, barium, vanadium, cobalt, manganese, and iron anomalies and are interpreted to reflect signatures of isolated, primarly Badshot limestone units intercalated with Lardeau group rocks. These base metal anomalies are not indicating the presence of a nearby mineral occurrence.

Lead and arsenic, however, are indicating features of exploration interest. Anomalies for both metals are large and exhibit a high degree of contrast to background, with the arsenic feature larger than its corresponding lead anomaly, suggesting potential use as a pathfinder element. Both elements are represented at J & L, and the lead values suggest galena will be discovered

on followup. Weak silver enhancement compliments the lead distribution and an antimony anomaly is found within the larger arsenic-lead feature. Absence of gold and zinc is a negative factor which might be due to adverse geochemical factors or to primary zonation of metal in bedrock. Additionally for zinc, the element may be soluble in the surficial environment and leached despite sphalerite in underlying bedrock. The potassium accompanying the arsenic and lead is perhaps reflecting a geologic unit rich in potassium or indicating a sericite alteration.

Only titanium appears to have a distribution reflecting geology, that of the Hamill Group. Other elements such as vanadium, aluminum, sodium, potassium, and chromium reflect the southern Hamill as enriched whereas phosphorus enhancement typifies northern units. Barium appears silicate-contained in Badshot, or if the barium is present in barite, the quantity of barite is minimal.

Sampling or analytical problems are suggested in the southwest by alternating high and low values. These typically lie remote from lead and arsenic features, and hence do not adversely affect geochemical interpretation.

Although there are few rock samples, the data appears to indicate that the Hamill Group contains elevated levels of potassium, barium, sodium and titanium. The first three elevated element contents are probably due to alteration and/or veining while the titanium is probably a primary constituent.

The rock sample results also indicate that, although there is no economically significant mineralization present on surface, lead, arsenic and silver levels are geochemically significant. There is a rough correlation between lead, silver and arsenic and they represent multi-element anomalies at two locations. These two locations are found at sheared, altered and pyritic quartzite to quartz-sericite phyllite of the Hamill Group which hosts economically significant mineralization to the southeast. Leaching of the sulphide mineralization in the sampled Hamill Group rocks has, possibly, lowered the base and precious metal contents.

II) Northern Area

The rock geochemistry indicates that the only significant surface mineralization is located in shear zones within the Badshot limestones. Multi-element anomalies (Pb, Sb $\pm$

Ag, Zn, As, Au, Cu, Cd, Ba) are present from all four samples from this Zone which was located by previous workers (Hope, 1965). Leaching and oxidation has probably reduced the reported metal content of this zone.

5. Conclusions and Recommendations

The soil-rock survey over the Roseberry grid identified two lead-arsenic-potassium anomalies which merit followup. The recommended work is a program of trenching in order to locate the source of the geochemical anomalies.

The rock survey in the area to the north re-located Zone 'C' where trenching is also recommended in order to fully evaluate the mineralization. Trenching should expose fresh material for sampling and indicate the exact dimensions of the zone which is masked by overburden and talus.

Respectfully submitted,

R. Pegg, P. Eng.

APPENDIX I

STATEMENT OF QUALIFICATIONS

I, Rex S. Pegg, of #700 - 890 West Pender Street, in the City of Vancouver, in the Province of British Columbia, do hereby certify:

1. That I am an exploration geologist employed by Selco Division - BP Resources Canada Limited, which has its office located at #700 - 890 West Pender Street, Vancouver, B.C., V6C 1K5.

2. That I am a graduate of the University of Toronto, located in Toronto, Ontario, where I obtained a Bachelor of Applied Science degree in Geological Engineering (Explortion Option) in 1976.

3. That I am a registered member, in good standing, of the Assocation of Professional Engineers of the Province of British Columbia.

4. That I have practised my profession as a geologist for the past nine years.

5. That I have supervised the geochemical and physical field work.

6. That I have no direct, or indirect, interests in any of the mineral claims, nor do I expect to receive any.

Rex Pegg, ~~BASc.~~, P. Eng.

Dated this 1st day of October, 1985.

Abbreviated List of Qualifications - S. J. Hoffman

BSc 1969 - McGill University (Hons., Geology and Chemistry)

MSc 1972 - The University of British Columbia (Geochemistry)

PhD 1976 - The University of British Columbia (Geochemistry)

Publication History (to September, 1985)

9. Papers published in referred journals (2 in the last 3 years).

2. Unpublished theses.

1. Paper published in a referred symposium special volume (0 in the last 3 years).

5. Papers submitted for publication, awaiting print.

2. Manuals awaiting publication decision.

List of Memberships

1. Geological Association of Canada, since 1967.

2. Canadian Institute of Mining and Metallurgy, since 1973.

3. Association of Exploration Geochemists, since 1973.

4. American Society of Agronomy, since 1973.

5. Geochemical Society, since 1983.

Other Qualifications

1. Instructor - B.C. Department of Mines, Northwest Mining Association, University of British Columbia, McGill University, B.C. and Yukon Chamber of Mines.

2. Speaker, CIM (Prince George), Geoscience Council (Yellowknife), Quebec Department of Natural Resources (Quebec City).

3. External Examiner, University of Calgary.

4. Chairman, GOLD-81 symposium (1981 - Vancouver), GEOEXPO/86 symposium (1986 - Vancouver.)

5. Council Member, AEG, 1980 - 1984.

6. Vice president, AEG, 1985 - 1986.

7. Business editor, GOLD-81 proceedings.

8. Member, committee to determine P. Geol. qualifications.

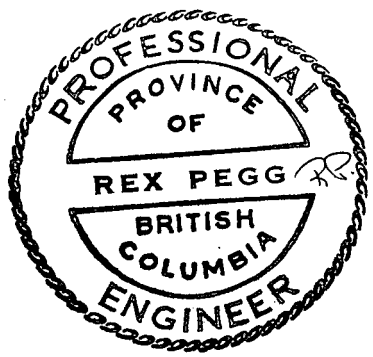
APPENDIX II

LIST OF FIELD PERSONNEL

1. Rex Pegg (Project Geologist) - August 19th - September 7th

2. John Michell (Contract Mining Engineer)
   August 12th - 16th and August 19th - 23rd

3. Brian Baker (Contract - Geological Assistant)
   August 19th -28th and September 3rd - 7th.



APPENDIX III

ROCK SAMPLE DESCRIPTIONS

810-001 L2+00N, 2+00E
- Grey banded, medium grained limestone
- Minor graphite along foliation planes

810-002 L5+00N, 1+75E
- Fine-grained Quartzite
- 1 to 3% cubic fine-grained pyrite in fractures
- Minor jarosite staining

810-003 L5+00N, 3+00W
- Grey banded, medium-grained limestone
- Light grey to white on fresh surface

810-004 L6+00N, 6 metres south of 2+22E
- Gossanous lens (pyritic) within Quartzite
- Oxidized and leached
- 5% fine-grained pyrite and abundant jarosite and sericitic alteration
- Lens measures 70 X 90 cm (horizontal measurement)

810-005 L6+00N, 6 metres south of 2+12E
- Gossanous, pyritic lens (20 cm wide) in Quartzite
- Oxidized and leached
- Abundant jarosite and sericitic alteration

810-006 L7+00N, 2+50E
- Quartz-sericite phyllite with 1% pyrite (fine-grained)
- Speckled oxidation
- Minor calcareous fracture filling
- Sampled over 40 cm

810-007 L7+00N, 2+00E
- Quartz-sericite phyllite to sericitic Quartzite
- Fe oxide along foliation planes and as speckles
- Minor, local calcareous fracture filling
- Minor bull quartz lenses (up to 60 cm wide)

810-008 L8+00N, 4+25E
- Light brownish grey Quartzite
- Fe oxide patches throughout and minor sericite along foliation planes
- Local calcareous fracture filling and narrow (up to 5 mm) quartz veinlets (vertically dipping, most parallel with foliation)
- Minor bull quartz lenses

810-009 L8+00N, 4+00E
- Light grey to brownish grey Quartzite (sericitic)
- <1% fine-grained pyrite still visible but most is leached or oxidized (goethite - cubic to subrounded)
- Minor Fe oxide fracture filling and white bull quartz lenses

810-010
- L7+00N, 4+25E
- Dirty, oxidized Quartzite
- Fe oxide blebs and stringers
- Minor fine-grained pyrite and blebs of magnetite
- Local, calcareous fracture filling
- Minor bull quartz veins (up to 9 cm wide)

810-011 L7+00N, 4+00E
- Quartz-sericite phyllite to sericitic Quartzite
- Abundant oxide spots (subrounded to cubic goethite) and fracture filling
- Minor quartz lenses and calcareous fracture filling

810-012 L8+00N, 1+25E
- Light grey weathering, grey banded, medium-grained limestone
- Small, slumped exposure

810-013 L8+00N, 0+75E
- Light grey weathering, grey banded, medium-grained limestone
- Light grey to white on fresh surface
- Appears slumped

810-014 L8+00N, 0+25E
- Light grey weathering, grey banded, medium-grained limestone
- Poorly banded with mostly a white colour on the fresh surface

810-015 L8+00N, 0+25W
- Light grey weathering, grey banded, medium-grained limestone
- Poorly banded
- Slumped exposure

810-016 L9+00N, 4+00E
- Chlorite-sericite-quartz to sericite-chlorite -quartz phyllite with minor Quartzite
- Minor quartz lenses
- Quartzite is dirty white, partially recrystallized and contains minor calcareous fracture filling and Fe oxide stringers and blebs

810-017 L10+00N, 4+75E
- Chlorite-sericite-quartz phyllite with minor intercalated, isoclinally folded Quartzite layers
- Minor Fe oxide blebs
- Minor calcareous fracture filling and quartz lenses

810-018 L10+00N, 3+25E
- White to light grey Quartzite (fractured)
- Sericite along foliation planes
- >Minor Fe oxide blebs
- Trace oxidized fine-grained pyrite

810-019 L10+00N, 2+75E
- Brown, sericitic Quartzite with local sericite phyllite
- Crosscutting bull quartz veins (up to 40 cm wide)
- >Minor Fe oxide blebs
- Minor fine-grained patches and cubes of pyrite

810-020 L10+00N, 2+25E
- Chlorite-quartz phyllite
- Abundant Fe oxide spots; partially leached
- Slumped exposure

810-021 L8+00N, 6+50E
- Light grey weathering, grey banded, medium-grained limestone

810-022 L8+00N, 5+50E
- Light grey weathering, grey banded, medium-grained limestone

810-023 L7+00N, 5+50E
- Light grey weathering, jointed grey banded, medium-grained limestone
- Poorly banded
- Light grey to dirty white on fresh surface

810-024 L6+00N, 4+75E
- Light grey weathering, grey banded, medium-grained limestone
- White to dirty white on fresh surface
- Poorly banded

810-025 L5+00N, 4+75E
- Light grey weathering, grey banded, medium-grained limestone
- White to light grey on fresh surface
- Slumped exposure

810-026 L3+00N, 2+75E
- Light grey weathering, grey banded, medium-grained limestone
- Light to medium grey on fresh surface

810-027 L11+00N, 7+67E
- Light grey weathering, grey banded, jointed medium-grained limestone
- Minor white to light pinkish brown calcite bands (≤ 7 cm wide)
- Minor narrow (up to 10 cm wide) shear zones, parallel with foliation; some containing calcite and minor graphite

810-028 L11+00N, 5+00E
- Blocky, light brownish grey, massive, sericitic Quartzite
- >Minor Fe oxide blebs and streaks
- Minor coarse bull quartz lenses and veinlets
- Slumped exposure
- Trace fine-grained pyrite

810-029 L11+00N, 4+75E
- Light brownish grey, massive, sericitic Quartzite
- >Minor Fe oxide blebs and streaks
- Minor coarse bull quartz lenses and veinlets
- Trace fine-grained pyrite

810-030 L11+00N, 4+50E
- Dirty white, massive Quartzite
- >Minor Fe oxide streaks and blebs
- Minor fine-grained cubic pyrite
- Minor bull quartz lenses and veinlets
- Very minor, narrow chloritic stringers

810-031 L11+00N, 4+25E
- Quartz-sericite phyllite to sericitic Quartzite
- >Minor Fe oxide blebs
- Minor fine-grained pyrite

810-032 L11+00N, 4+00E
- Slumped blocks of dirty Quartzite
- Locally, very phyllitic
- Abundant sericitic alteration but very chloritic, locally

810-033 L11+00N, 3+75E
- Dirty Quartzite
- Sericite along foliation planes

810-034 L11+00N, 3+50E
- Highly contorted, dirty, sericitic Quartzite with minor quartz-chlorite to chlorite-quartz phyllite

810-035 L11+00N, 5 metres south of 3+50E
- Gossanous Quartzite
- Abundant jarosite and >minor fine-grained pyrite

810-036 L11+00N, 2+00E
- Dirty Quartzite to quartz-chlorite phyllite
- Minor, irregular folded bands of more massive Quartzite
- Minor Fe oxide blebs and streaks
- Minor calcareous fracture filling

810-037 L12+00N, 3+00E
- Thinly intercalated sericitic Quartzite and quartz-sericite phyllite; very minor quartz-chlorite phyllite
- Well oxidized and altered
- Frost-heaved and slumped exposure

810-038
- Brownish grey weathering calcareous (± chlorite) phyllite
- Approx. 2 metres wide within a grey banded limestone
- Appears to be a shear zone which pinches out to the north
- Abundant oxidation and very local chlorite
- 1 to 2% goethite
- 1% fine-grained cubic pyrite
- Minor quartz blebs

810-039
- Graphitic, medium grey coloured, <medium-grained limestone which overlies a chlorite-carbonate phyllite
- 30 to 40 cm wide
- Crosscutting, medium-grained white (brown weathering) calcite veinlets (up to 1 cm wide) and lenses

810-040
- Light grey weathering, grey banded, medium-grained limestone

810-041
- Sheared graphite-quartz phyllite which structurally underlies grey banded limestone
- Abundant Fe oxidation and pitting
- 1% fine-grained, oxidized cubic pyrite
- Quartz lenses and veinlets throughout
- Minor to abundant calcareous fracture filling

810-042
- Calcareous chlorite-sericite-quartz phyllite
- Minor quartz lenses and veinlets
- >1% fine-grained cubic pyrite and abundant Fe oxide
- 4.3 metres wide chip sample

810-043
- Graphite-quartz phyllite
- Brown to black on weathered surface
- Black and medium brown irregular bands on fresh surface
- Local abundant calcareous fracture filling
- Abundant Fe oxide (after pyrite?)
- Minor quartz lenses and knots and calcite knots
- Approx. 8 metre chip sample

810-044
- Graphite-quartz phyllite
- Calcareous fracture filling throughout
- Abundant Fe oxide
- Minor quartz knots and lenses and calcite knots

810-045
- Chlorite-graphite-quartz phyllite
- Minor sericite along foliation planes
- Minor quartz lenses
- Abundant Fe oxide
- Approx. 6 metre chip sample

810-046
- Light grey weathering limestone
- Dirty white to light grey on fresh surface
- Recrystallized and medium-grained

810-047
- Tan weathering quartz-calcite mineralized zone within a light grey weathering limestone; 1.31 metre wide chip sample
- White to amethystine quartz and chalcedonic quartz
- Well oxidized discontinuous zone
- Abundant malachite, jarosite, scorodite and minor azurite
- <1% visible tetrahedrite and pyrite
- Trace to minor galena and trace sphalerite

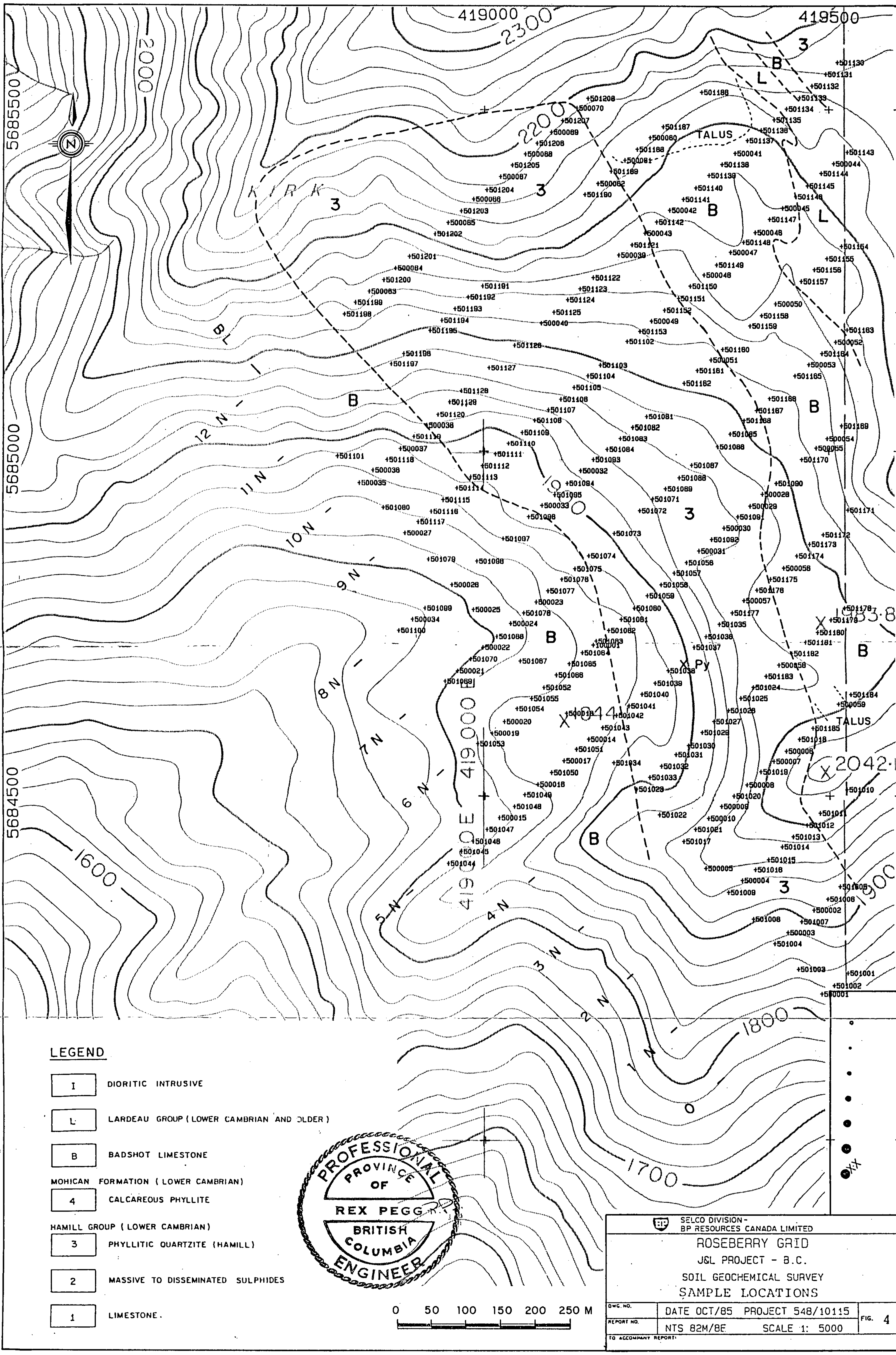
810-048
- Light grey weathering, medium-grained limestone (hangingwall to sample #810-047)
- 1 metre wide chip sample

810-049

- Western (footwall) half of 2nd mineralized zone (just to southwest of sample #810-047)
- Minor tetrahedrite and trace galena
- Predominately crystalline quartz with minor chalcedonic quartz and carbonate
- Abundant coarse quartz crystals (up to 3 cm long)
- White to translucent to amethystine (minor) quartz
- 0.97 metre wide (horizontal) chip sample; footwall side of zone not observed (overburden and limestone debris)
- Mineralized zone has swelled significantly at chip sample location

810-050

- Eastern (hangingwall) half of 2nd mineralized zone
- Minor tetrahedrite and galena, trace sphalerite
- More chalcedonic quartz section
- >Minor crystalline quartz
- White to translucent to amethystine (minor) quartz
- 0.82 metre wide (horizontal) chip sample; hangingwall side of zone not observed (overbruden and limestone debris).



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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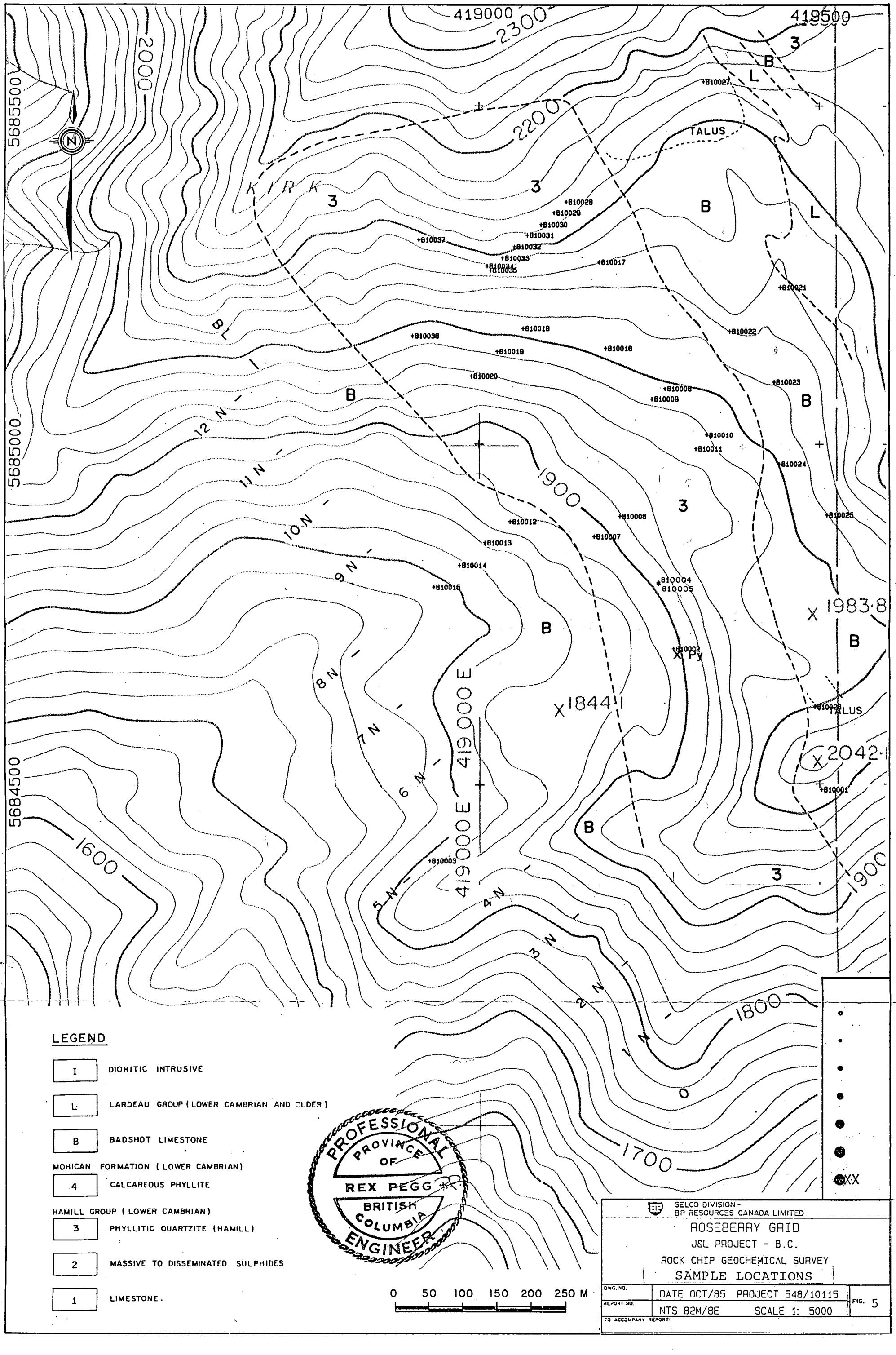
ROSEBERRY GRID

J&L PROJECT - B.C.

SOIL GEOCHEMICAL SURVEY

SAMPLE LOCATIONS

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 4
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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ROCK CHIP GEOCHEMICAL SURVEY

SAMPLE LOCATIONS

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 5
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		

419000
419500
5685500
5685000
5684500
2000
2300
2200
1900
1800
1700
1600
1983·8
1844
2042
TALUS
KIRK
BL
12 N
11 N
10 N
9 N
8 N
7 N
6 N
5 N
4 N
3 N
2 N
1 N
0
419000 E
3
B
L
Py

LEGEND

- I — DIORITIC 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)
- 2 — MASSIVE TO DISSEMINATED SULPHIDES
- 1 — LIMESTONE.

0 2 4 6 8 10 12

0 50 100 150 200 250 M

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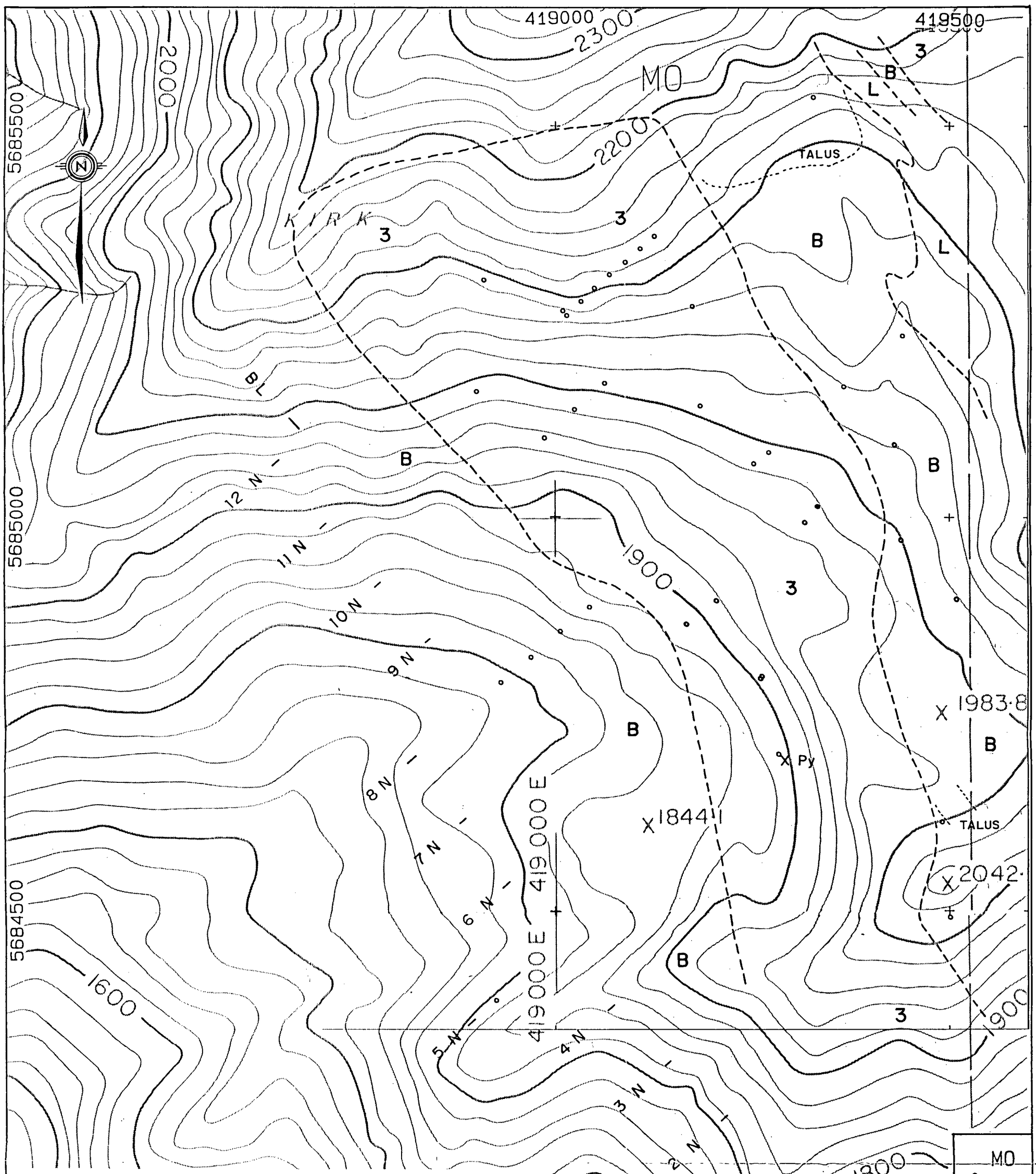
SOIL GEOCHEMICAL SURVEY

MOLYBDENUM (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 6
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

- I — DIORITIC 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)
- 2 — MASSIVE TO DISSEMINATED SULPHIDES
- 1 — LIMESTONE.

0 50 100 150 200 250 M

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ROCK CHIP GEOCHEMICAL SURVEY

MOLYBDENUM

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 7
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		

419000 419500

5685500 5685000 5684500

2300 2200 2000 1900 1800 1700 1600

N

K I R K

TALUS

TALUS

X 1844.1

X 1983.8

X Py

X 2042.1

BL

12 N — 11 N — 10 N — 9 N — 8 N — 7 N — 6 N — 5 N — 4 N — 3 N — 2 N — 1 N — 0

419,000 E

LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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0 50 100 150 200 250 M

O
18
25
35
47
55
70
X

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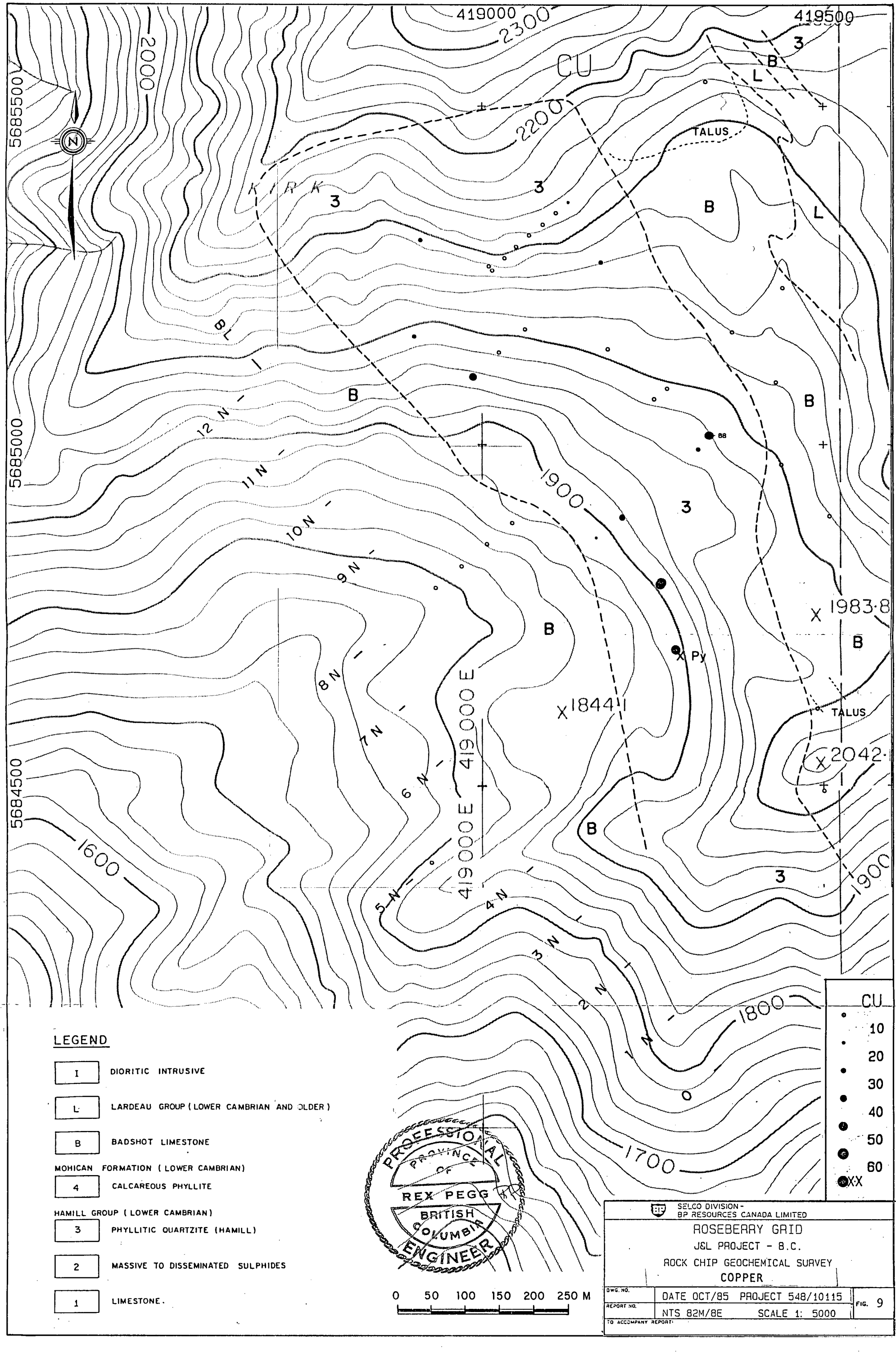
SOIL GEOCHEMICAL SURVEY

COPPER (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 8
REPORT NO.	NTS 82M/8E SCALE 1: 5000	

TO ACCOMPANY REPORT



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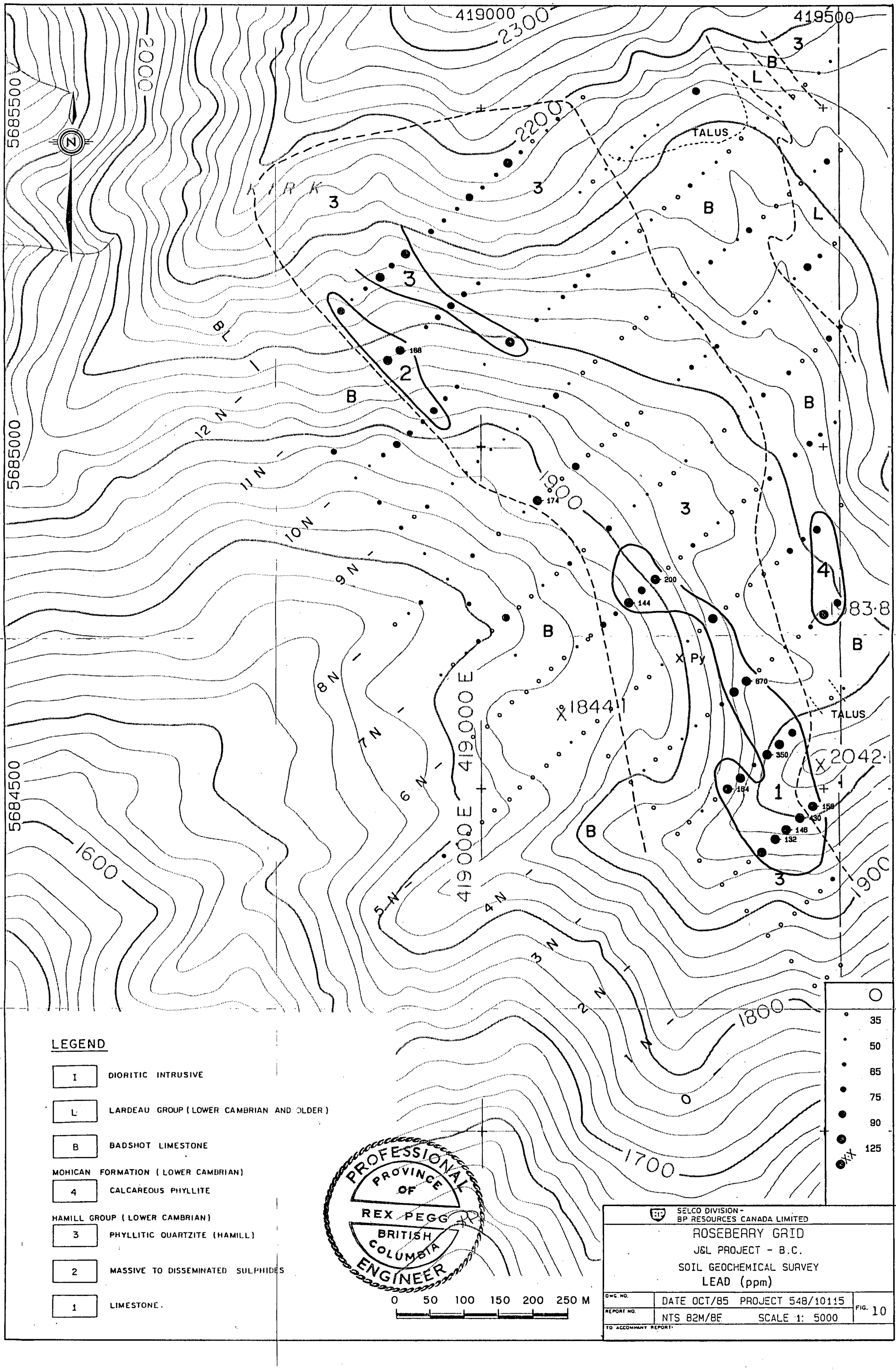
ROCK CHIP GEOCHEMICAL SURVEY

COPPER

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 9
REPORT NO.	NTS 82M/8E SCALE 1: 5000	

TO ACCOMPANY REPORT:



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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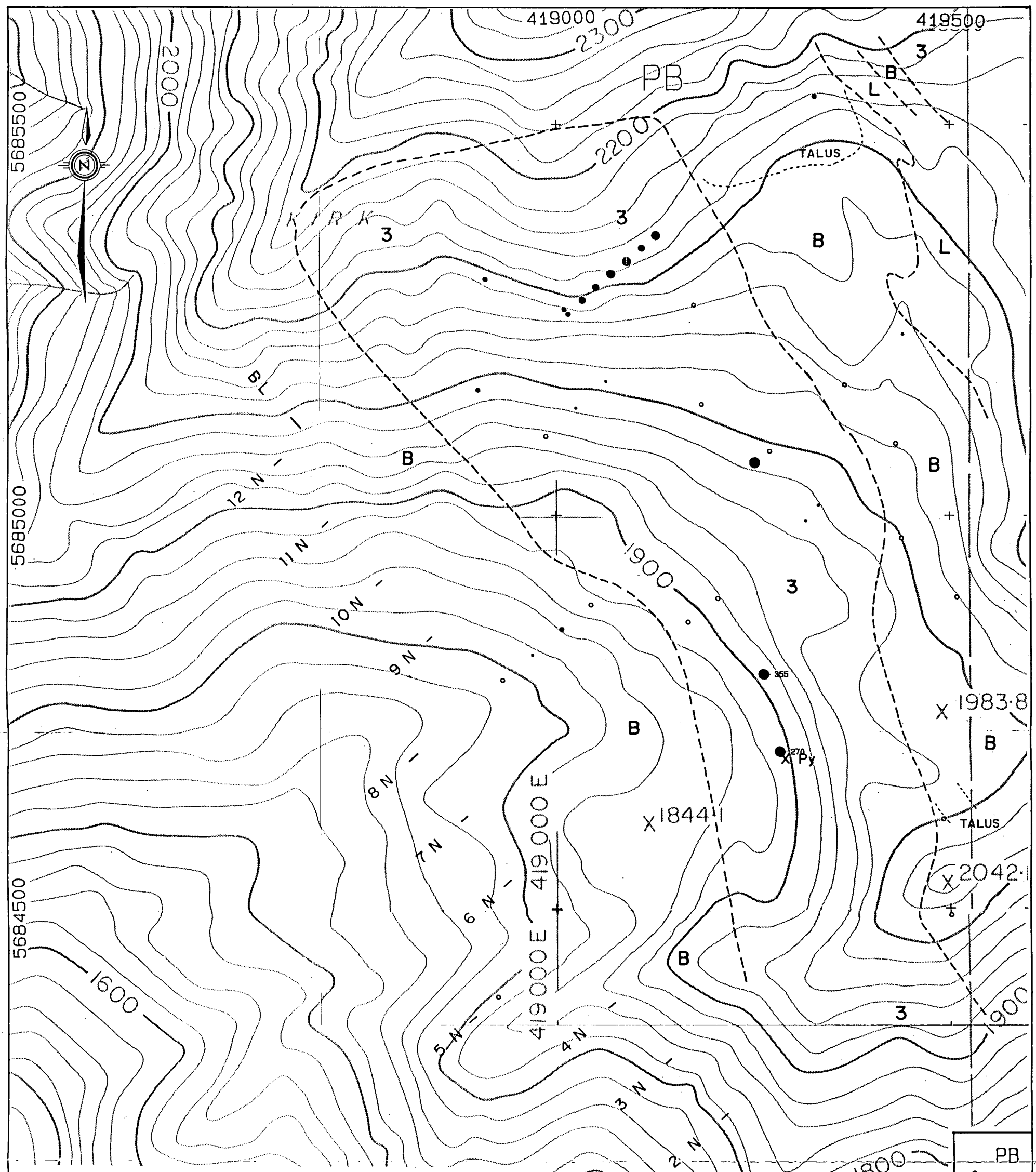
SOIL GEOCHEMICAL SURVEY

LEAD (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 10
REPORT NO.	NTS 82M/8E SCALE 1: 5000	

TO ACCOMPANY REPORT:



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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0 50 100 150 200 250 M

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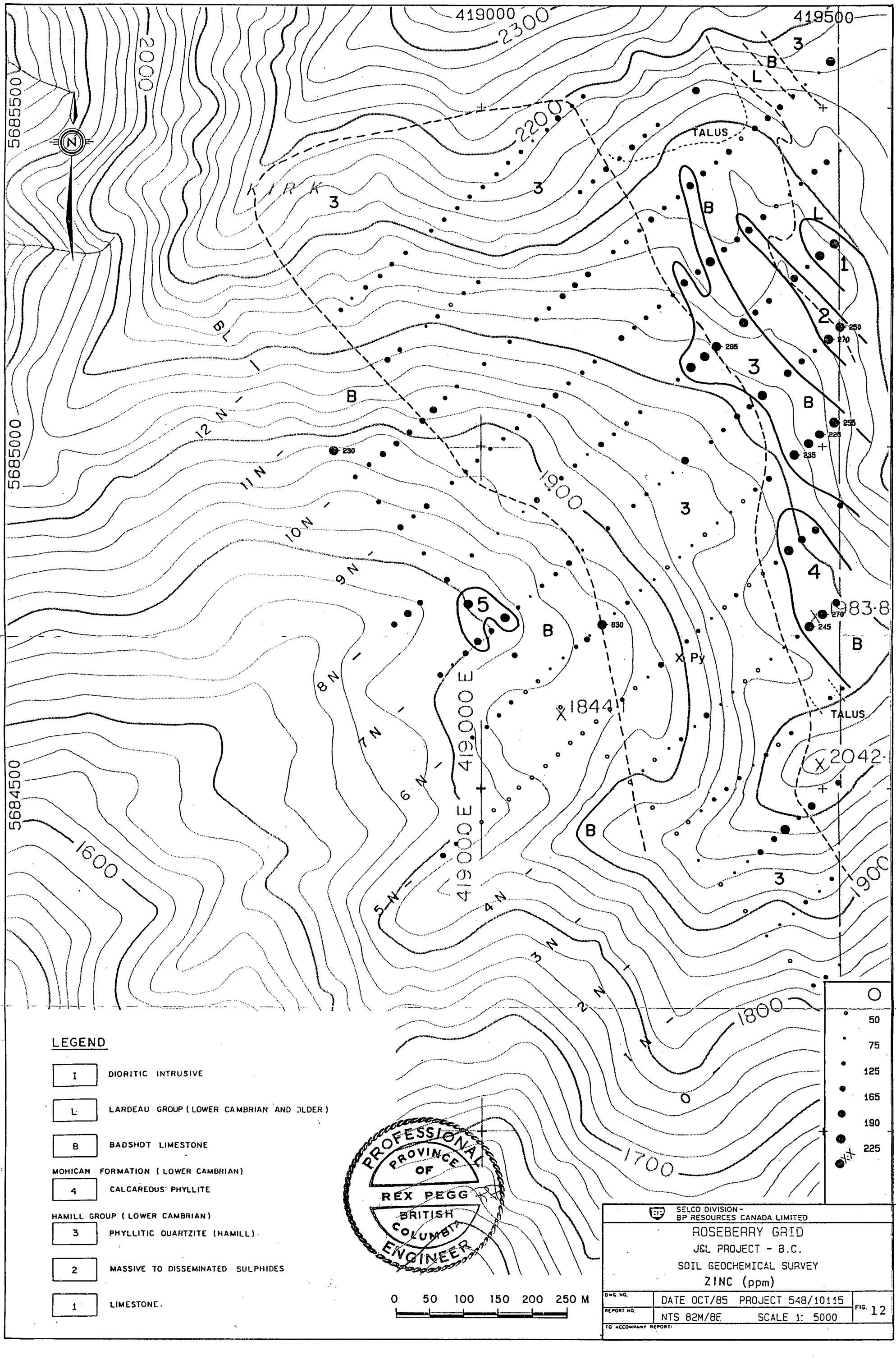
ROCK CHIP GEOCHEMICAL SURVEY

LEAD

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 11
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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0 50 100 150 200 250 M

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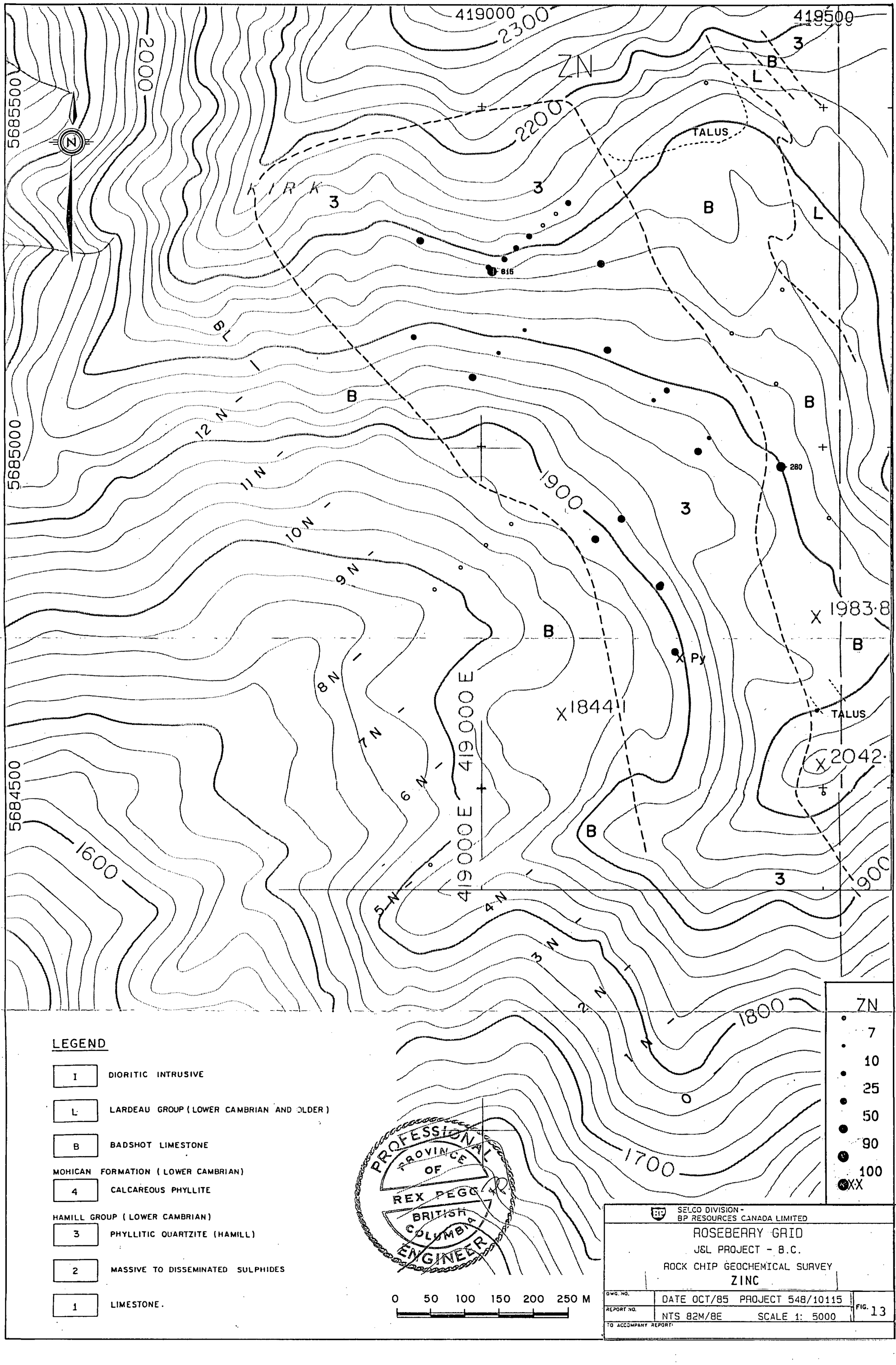
SOIL GEOCHEMICAL SURVEY

ZINC (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 12
REPORT NO.	NTS 82M/8E SCALE 1: 5000	

TO ACCOMPANY REPORT:



LEGEND

- I — DIORITIC 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)
- 2 — MASSIVE TO DISSEMINATED SULPHIDES
- 1 — LIMESTONE.

0 50 100 150 200 250 M

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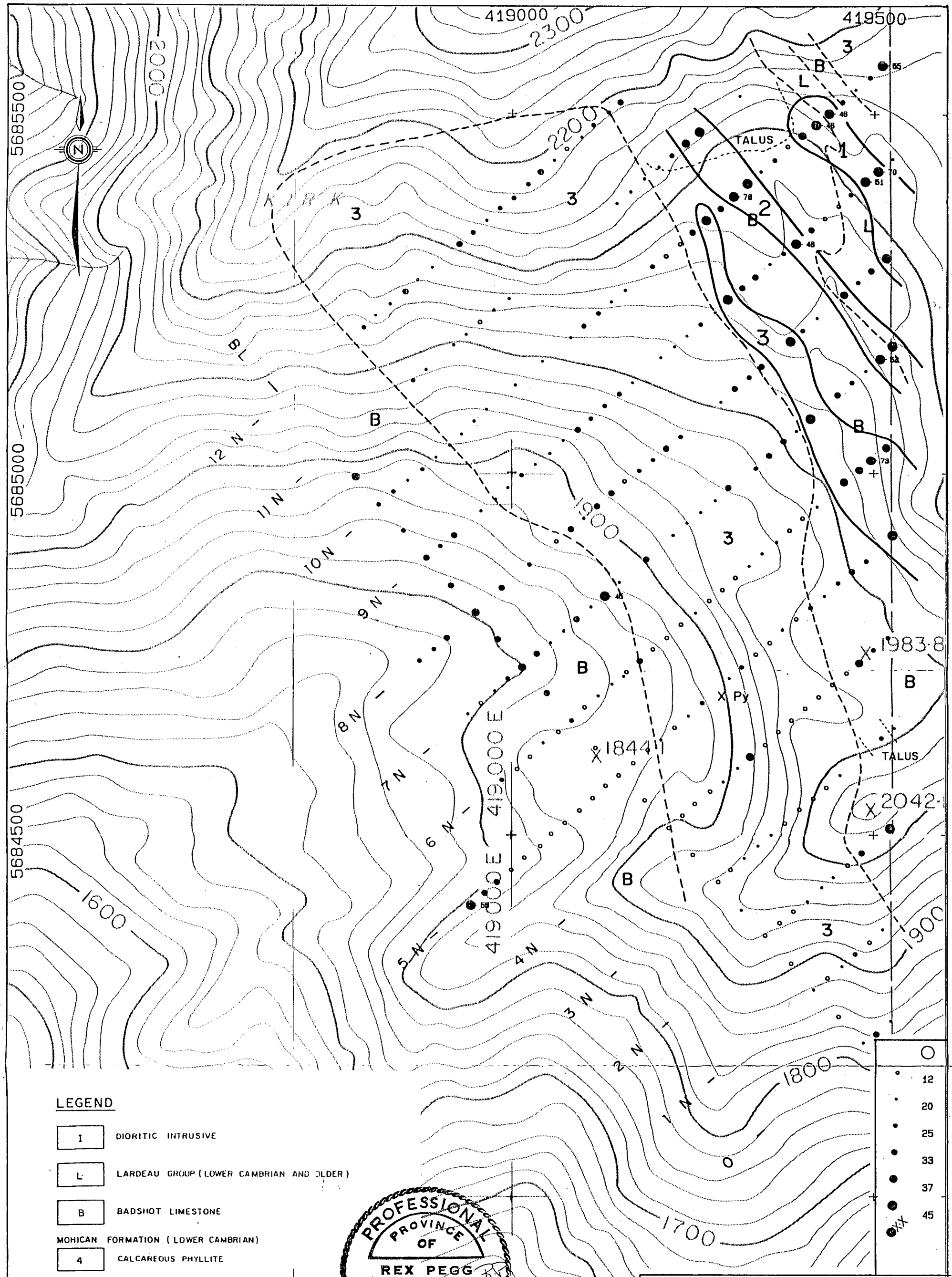
ROCK CHIP GEOCHEMICAL SURVEY

ZINC

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 13
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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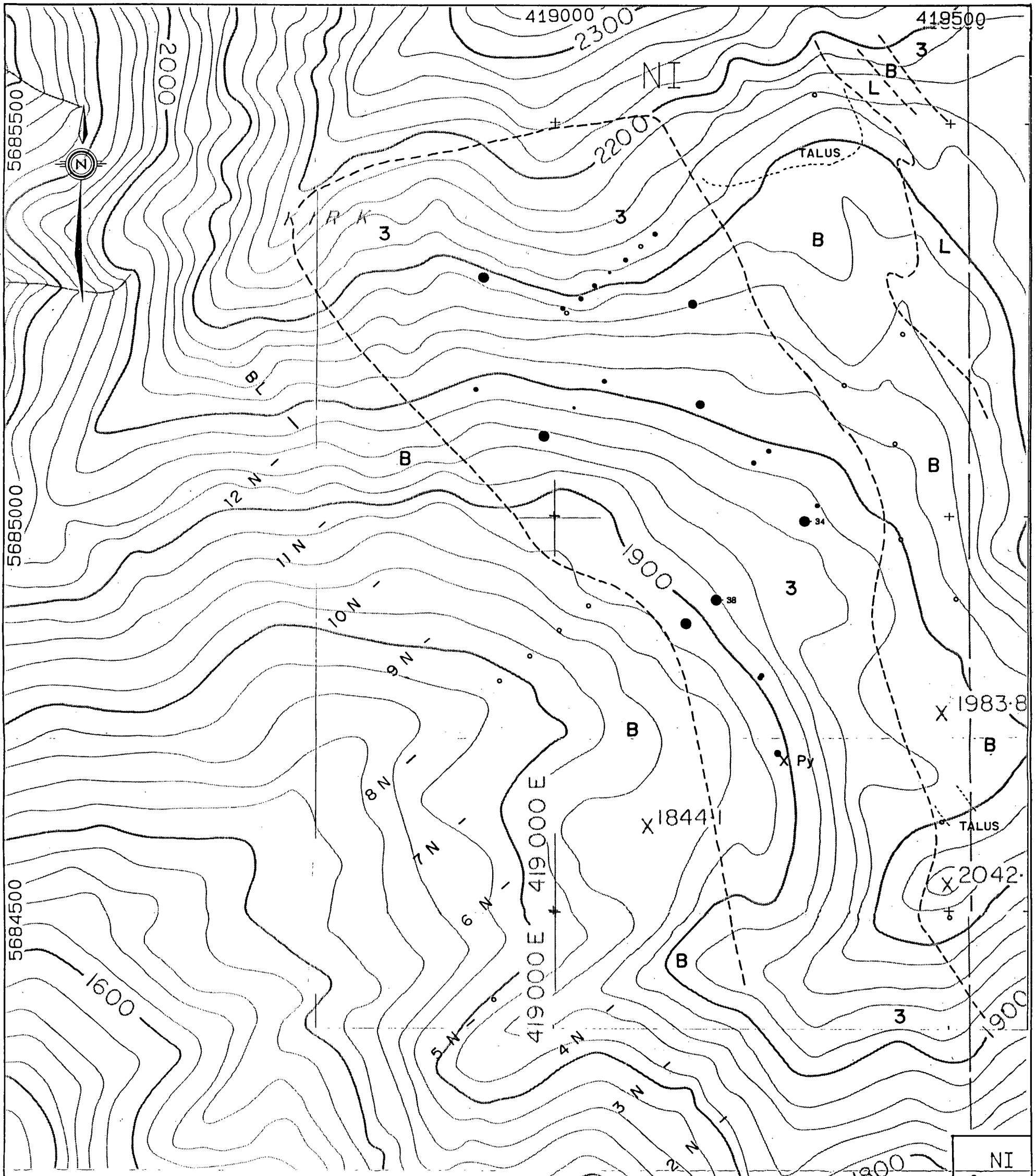
SOIL GEOCHEMICAL SURVEY

NICKEL (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 14
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

- I — DIORITIC 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)
- 2 — MASSIVE TO DISSEMINATED SULPHIDES
- 1 — LIMESTONE.

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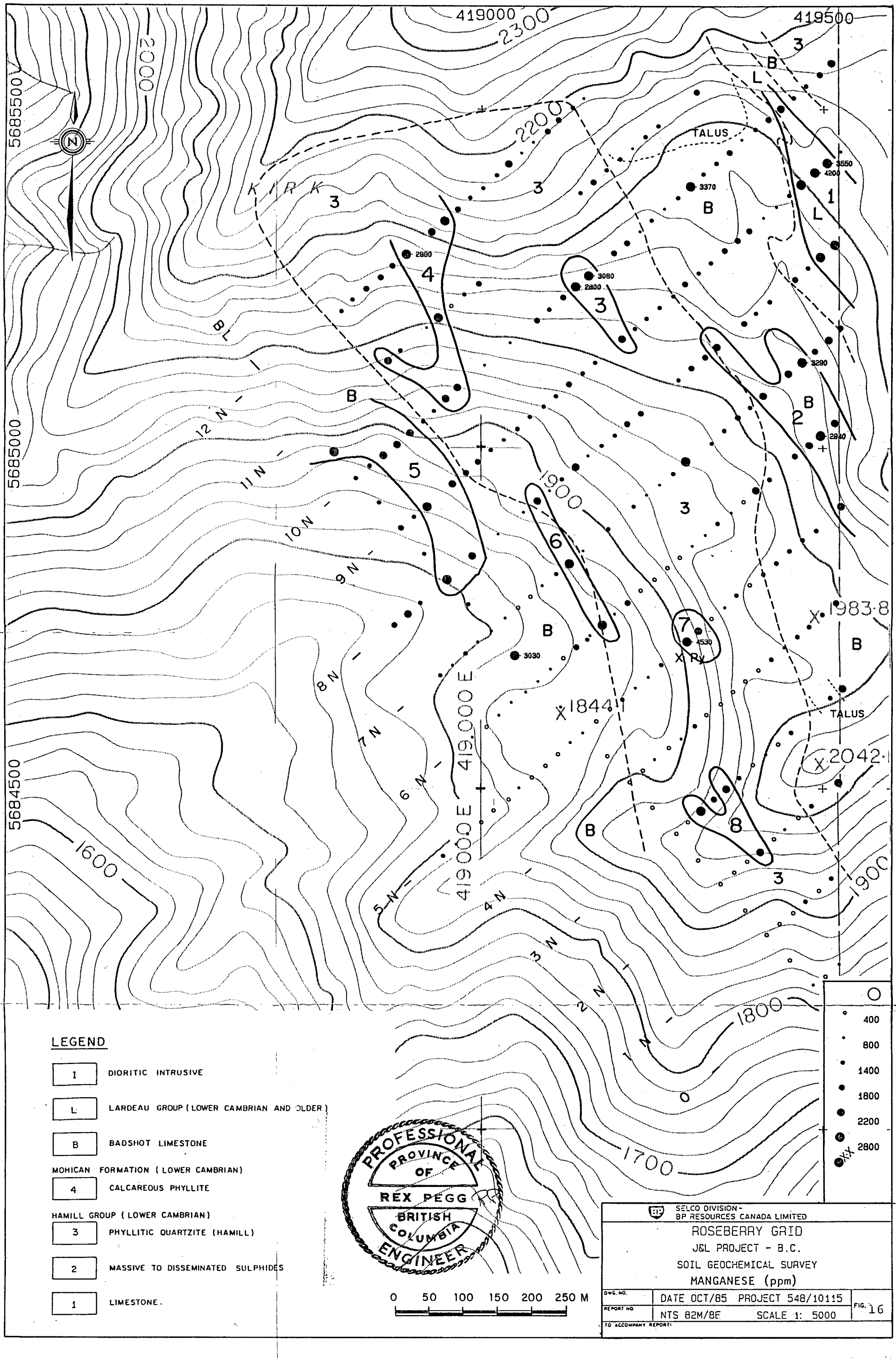
ROCK CHIP GEOCHEMICAL SURVEY

NICKEL

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 15
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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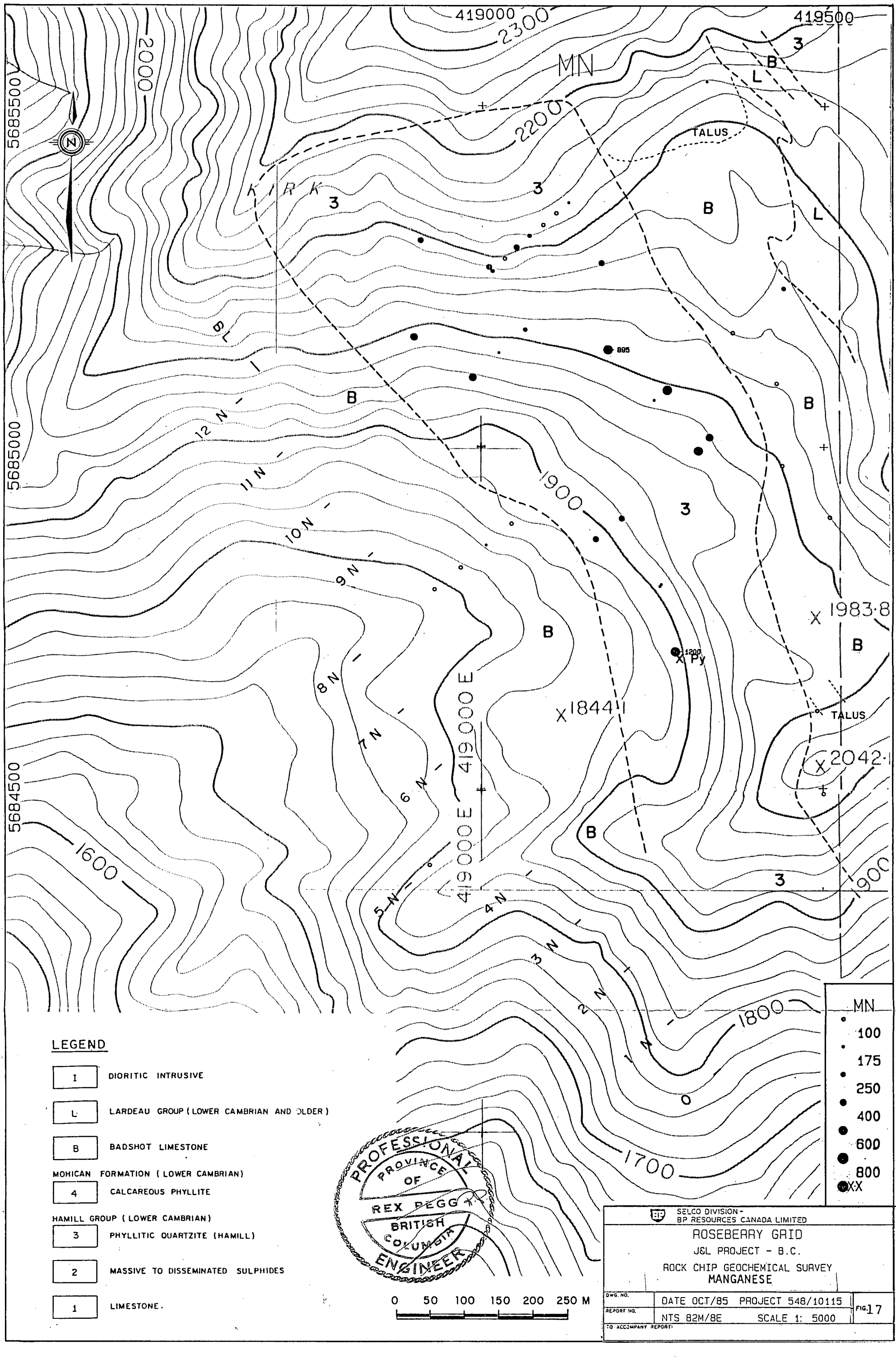
SOIL GEOCHEMICAL SURVEY

MANGANESE (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 16
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		


419000
419500
5685500
5685000
5684500
2300
2200
2000
1900
1800
1700
1600
MN
TALUS
K / R K
3
B
L
6L
12 N
11 N
10 N
9 N
8 N
7 N
6 N
5 N
4 N
3 N
2 N
1 N
0
885
1200
Py
X 1844.1
X 1983.8
X 2042.
TALUS
419000 E
LEGEND
I DIORITIC 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)
2 MASSIVE TO DISSEMINATED SULPHIDES
1 LIMESTONE.
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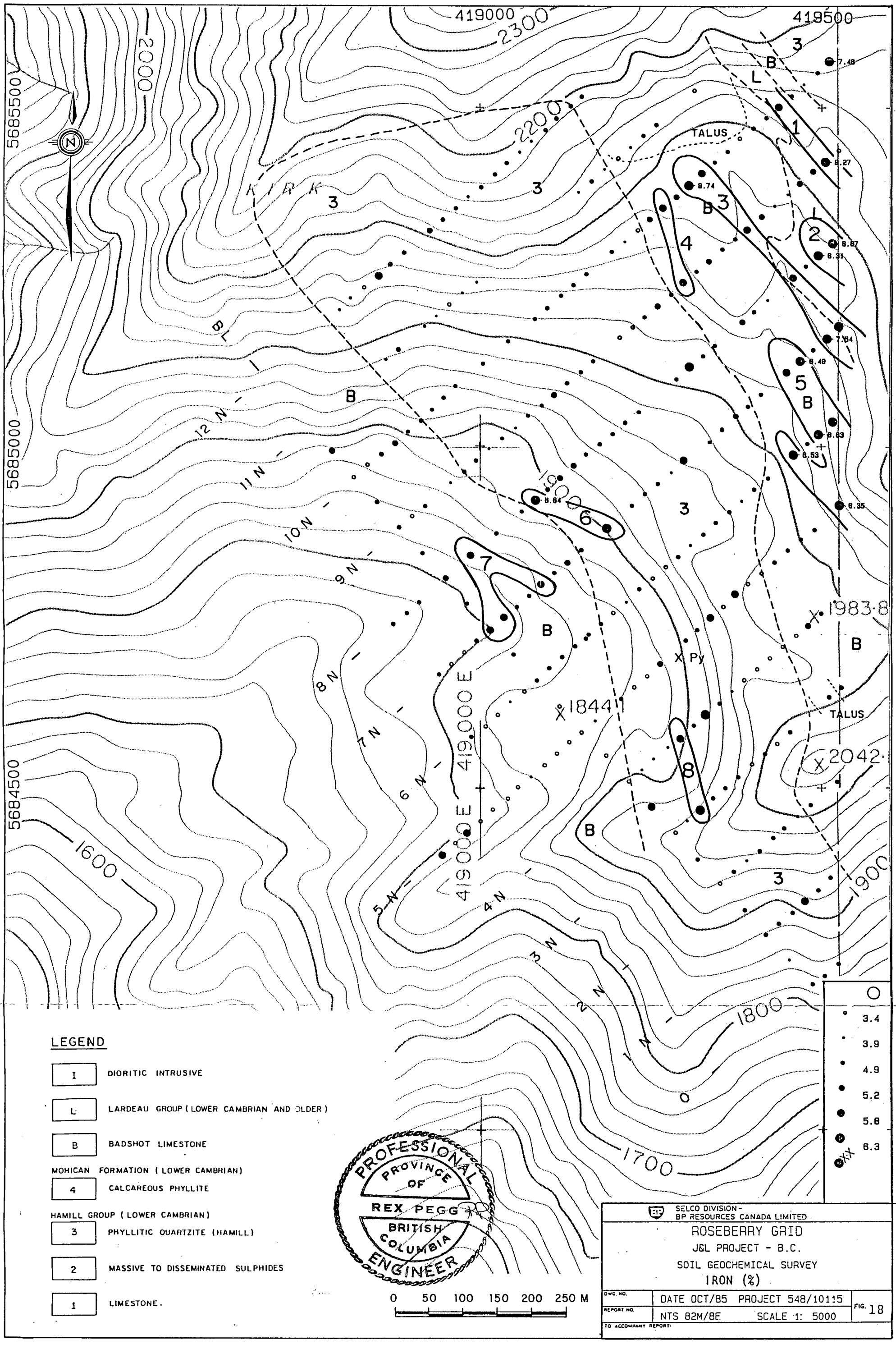
REX PEGG
0 50 100 150 200 250 M
MN
100
175
250
400
600
800
XX
SELCO DIVISION - BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
MANGANESE
DWG. NO.
DATE OCT/85 PROJECT 548/10115
FIG. 17
REPORT NO.
NTS 82M/8E SCALE 1: 5000
TO ACCOMPANY REPORT:



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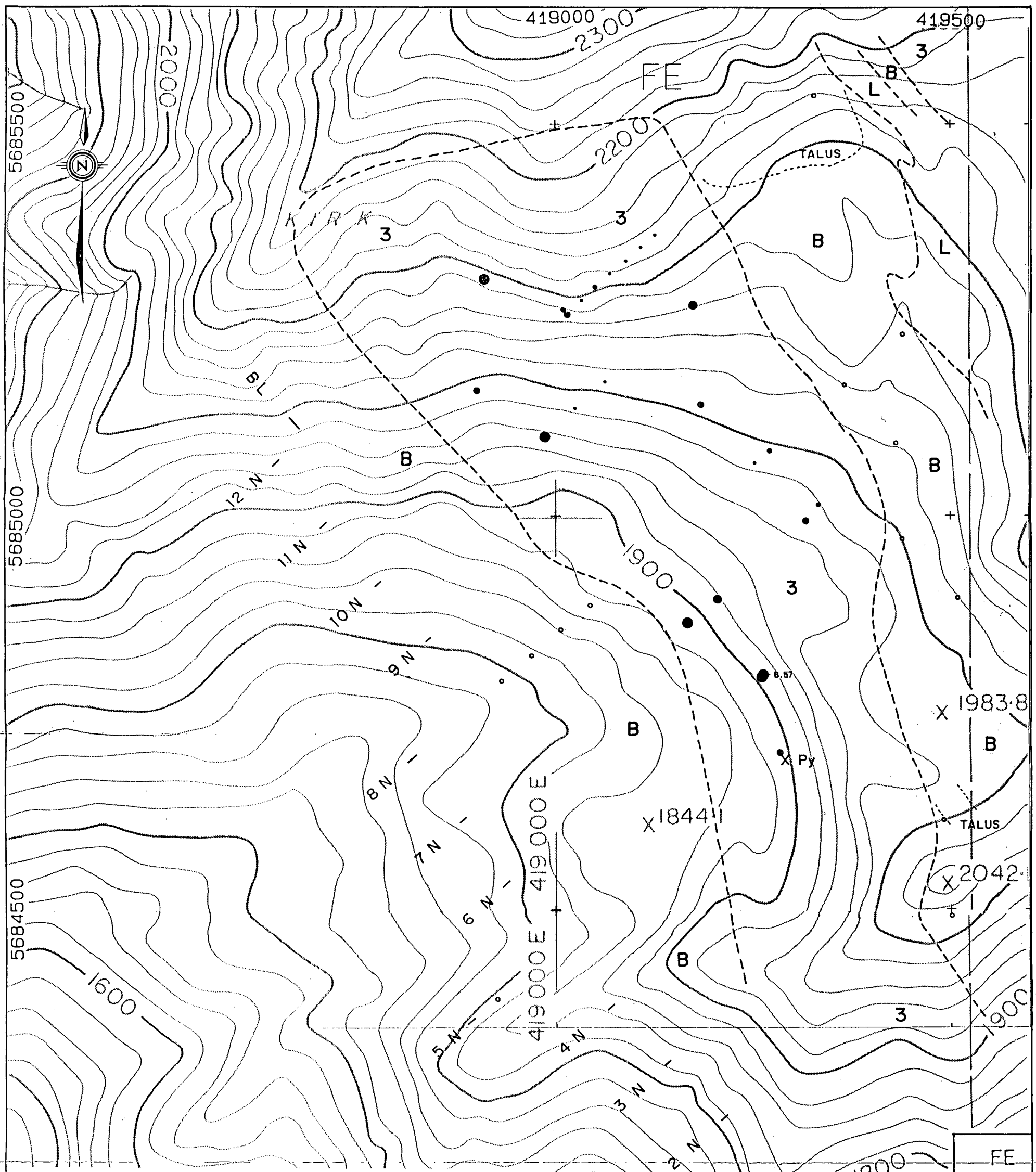
SOIL GEOCHEMICAL SURVEY

IRON (%)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 18
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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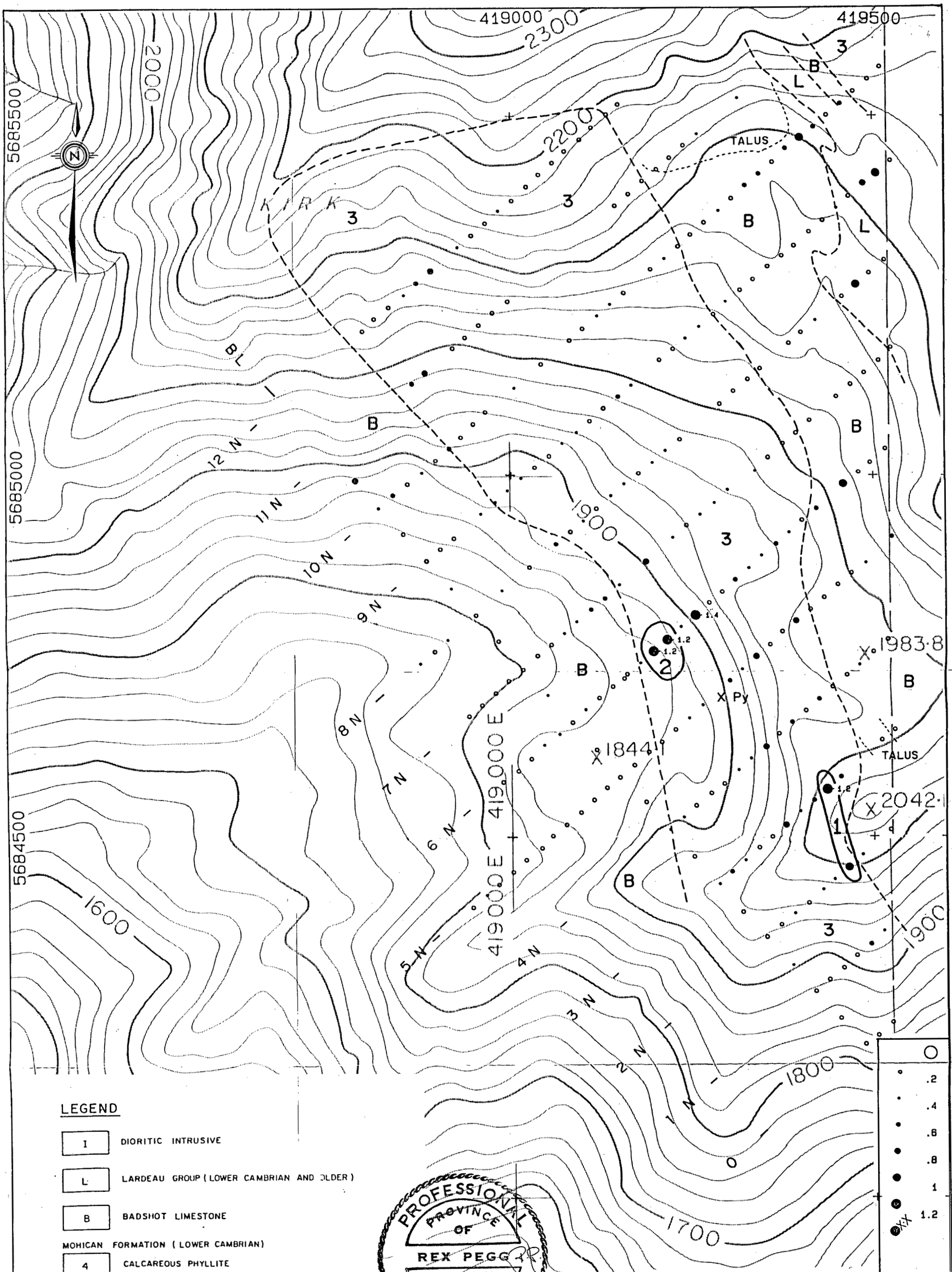
ROCK CHIP GEOCHEMICAL SURVEY

IRON

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 19
REPORT NO.	NTS 82M/8E SCALE 1: 5000	

TO ACCOMPANY REPORT:



LEGEND

- I — DIORITIC 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)
- 2 — MASSIVE TO DISSEMINATED SULPHIDES
- 1 — LIMESTONE.

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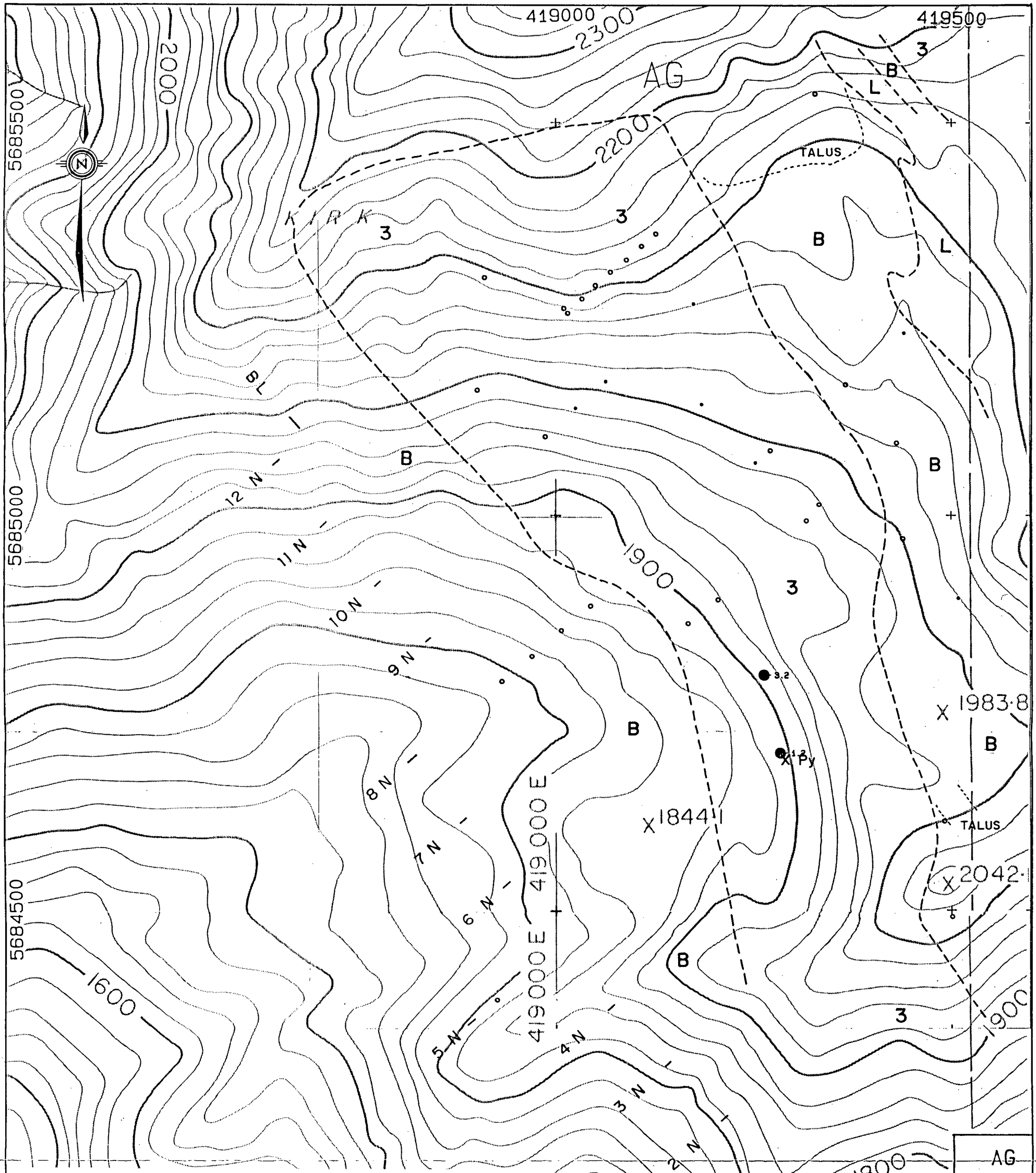
SOIL GEOCHEMICAL SURVEY

SILVER (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 20
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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REX PEGG

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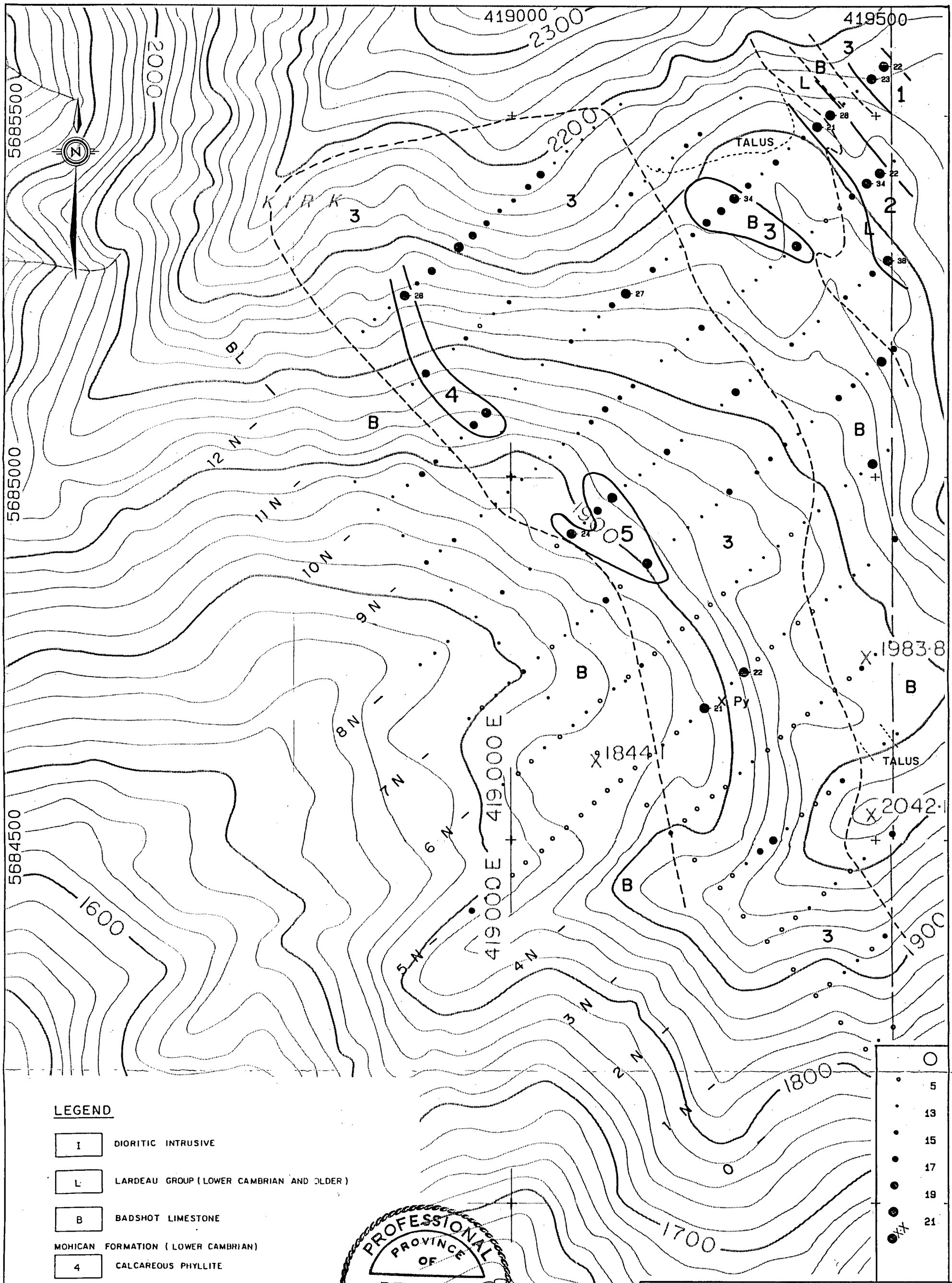
ROSEBERRY GRID

J&L PROJECT - B.C.

ROCK CHIP GEOCHEMICAL SURVEY

SILVER

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 21
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

- I — DIORITIC 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)
- 2 — MASSIVE TO DISSEMINATED SULPHIDES
- 1 — LIMESTONE.

0 5 13 15 17 19 21 XX

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0 50 100 150 200 250 M

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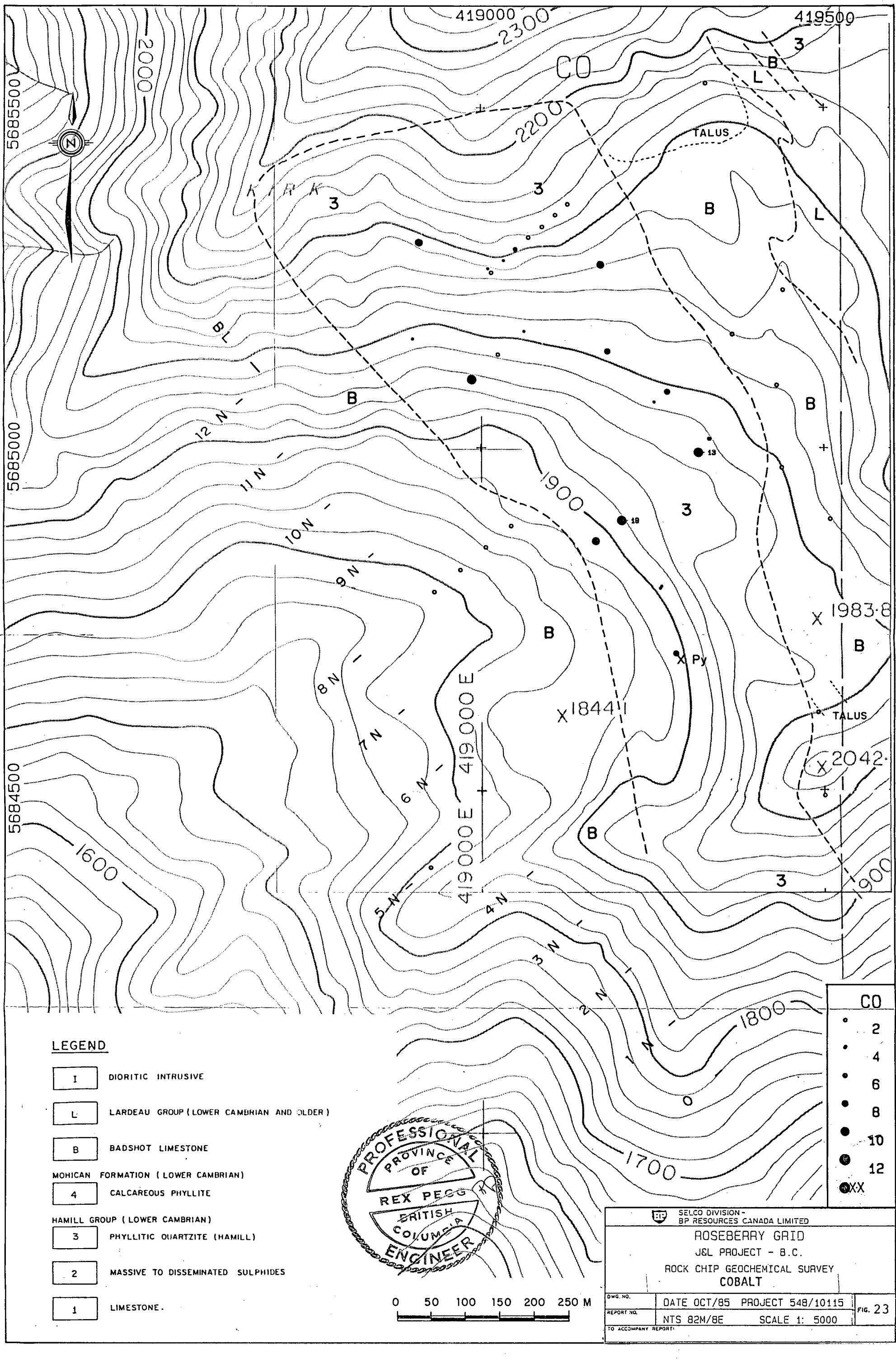
SOIL GEOCHEMICAL SURVEY

COBALT (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 22
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

- I — DIORITIC 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)
- 2 — MASSIVE TO DISSEMINATED SULPHIDES
- 1 — LIMESTONE.

CO
2
4
6
8
10
12
XX

0 50 100 150 200 250 M

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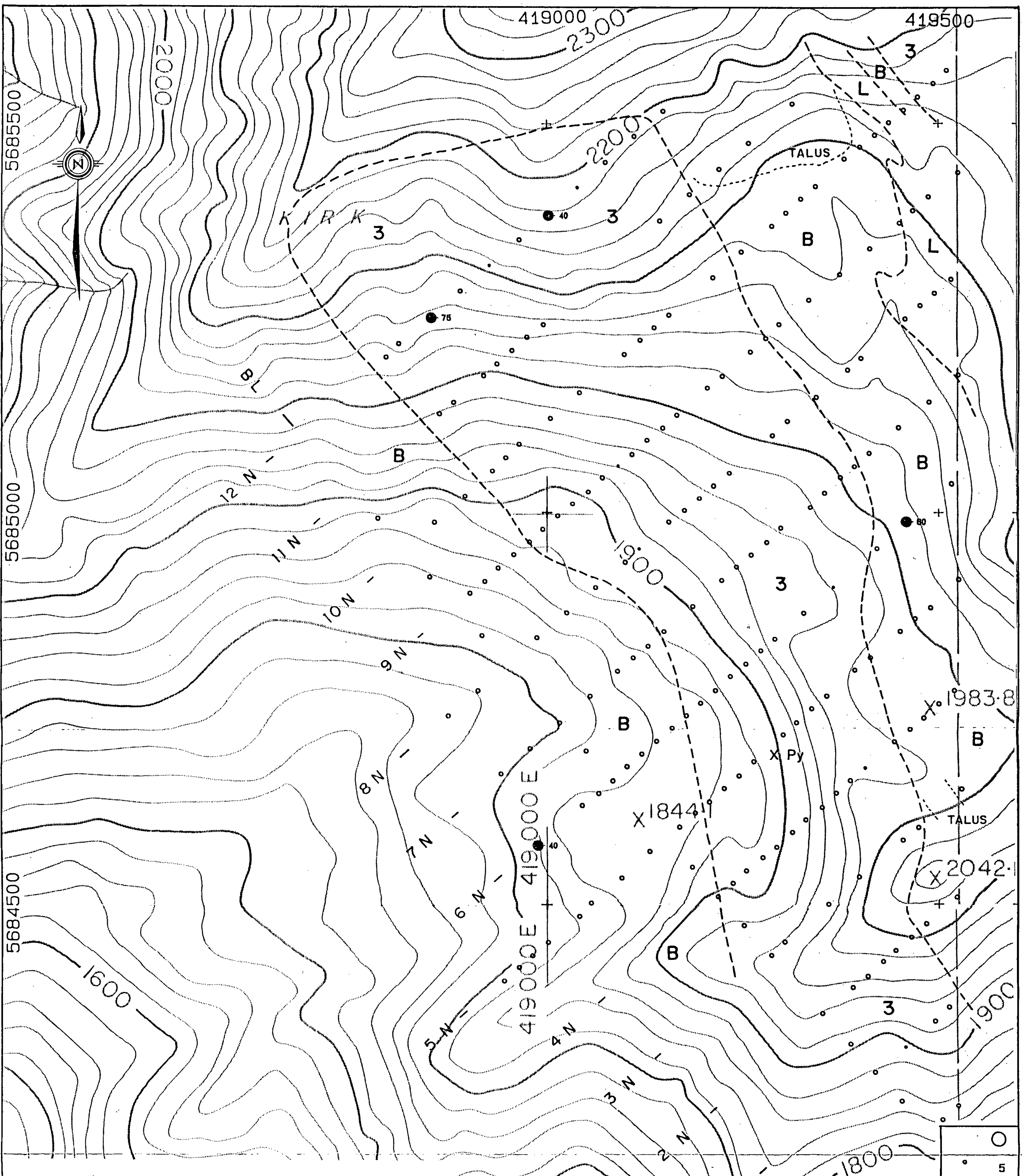
ROCK CHIP GEOCHEMICAL SURVEY

COBALT

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 23
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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0 50 100 150 200 250 M

SELCO DIVISION - BP RESOURCES CANADA LIMITED

ROSEBERRY GRID

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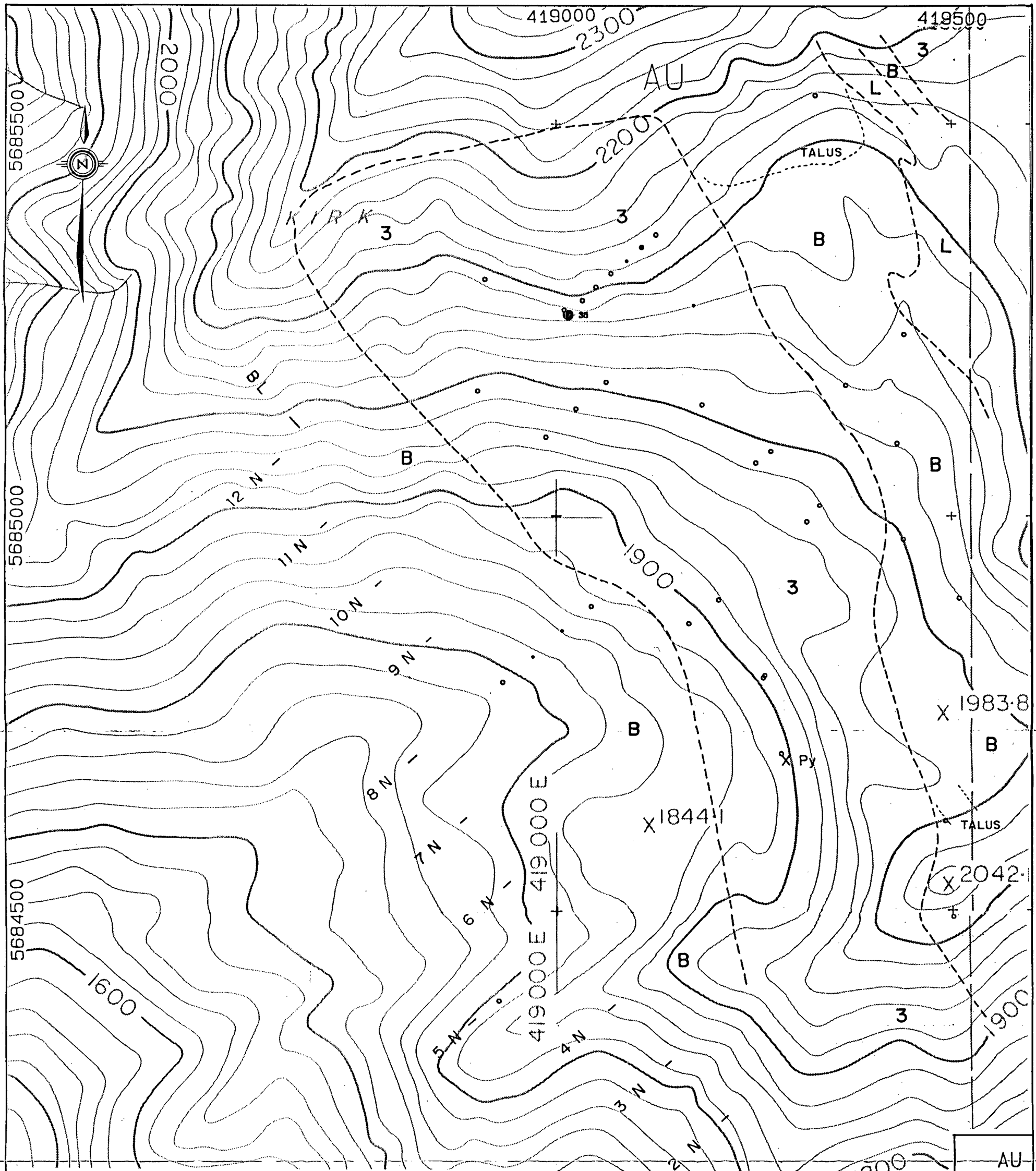
SOIL GEOCHEMICAL SURVEY

GOLD (ppb)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 24
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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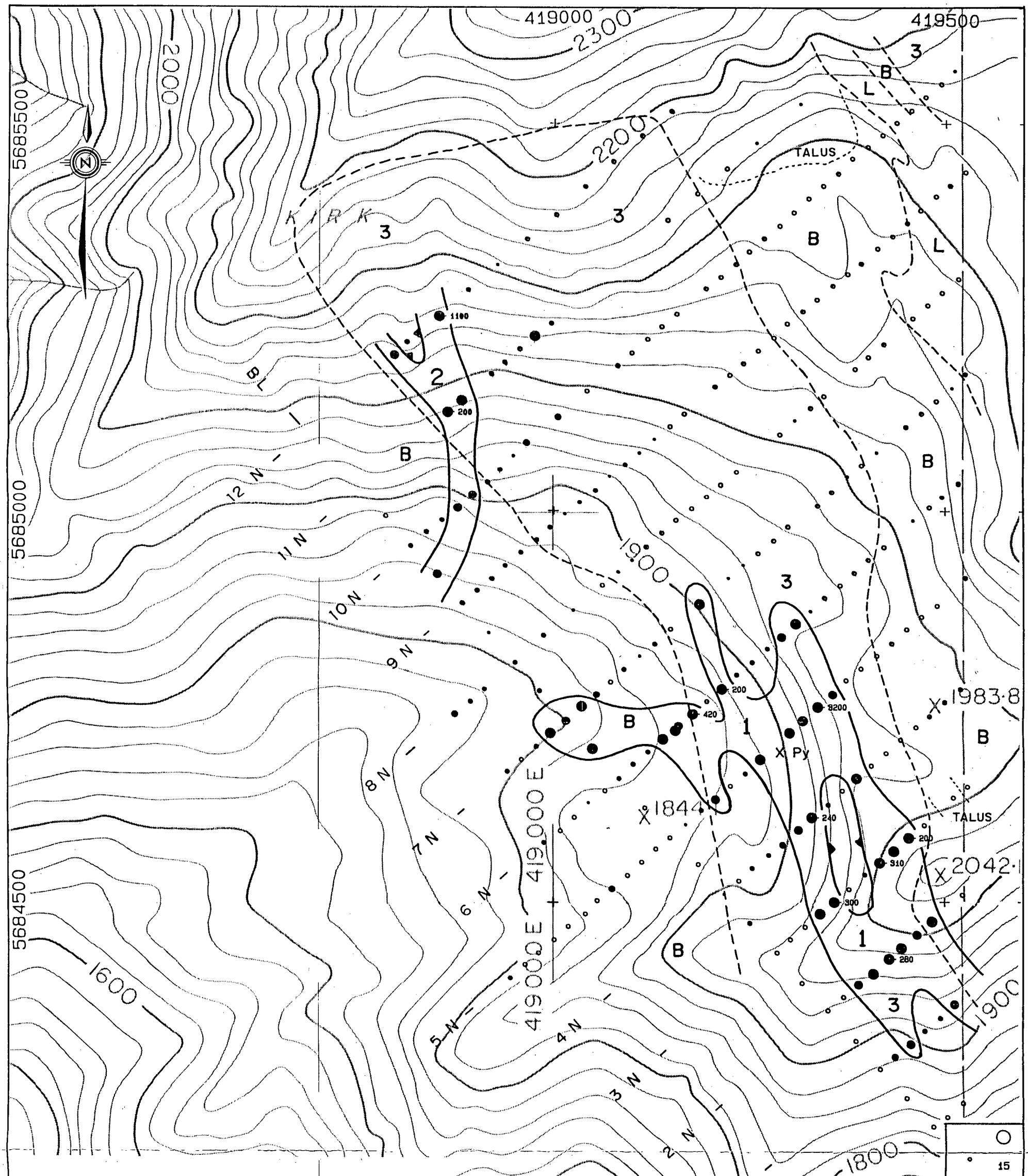
ROCK CHIP GEOCHEMICAL SURVEY

GOLD

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 25
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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PROVINCE OF BRITISH COLUMBIA
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0 50 100 150 200 250 M

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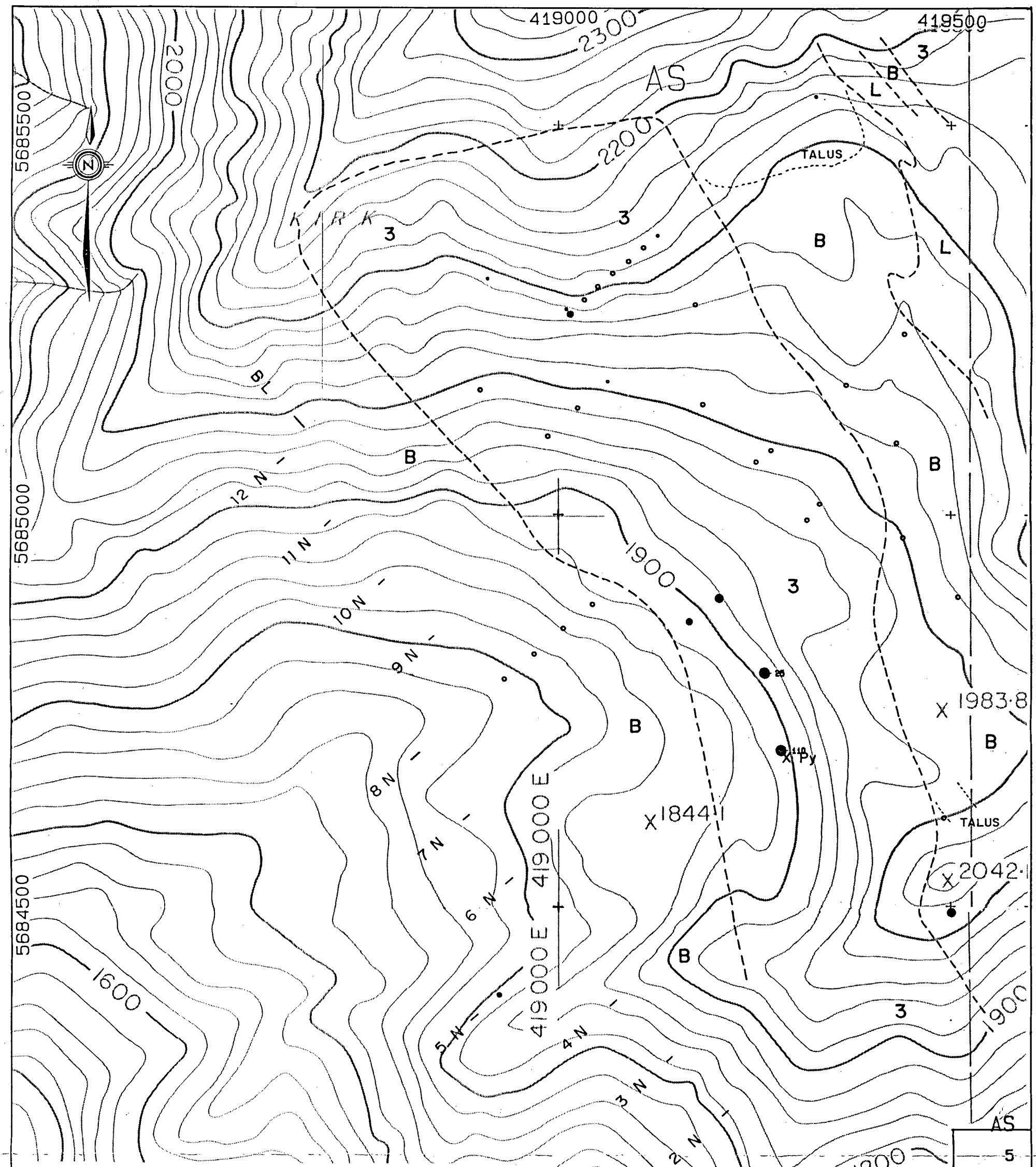
SOIL GEOCHEMICAL SURVEY

ARSENIC (ppm)

DWG. NO.	DATE OCT/85	PROJECT 548/10115	FIG. 26
REPORT NO.	NTS 82M/8E	SCALE 1: 5000	
TO ACCOMPANY REPORT:			



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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0 50 100 150 200 250 M

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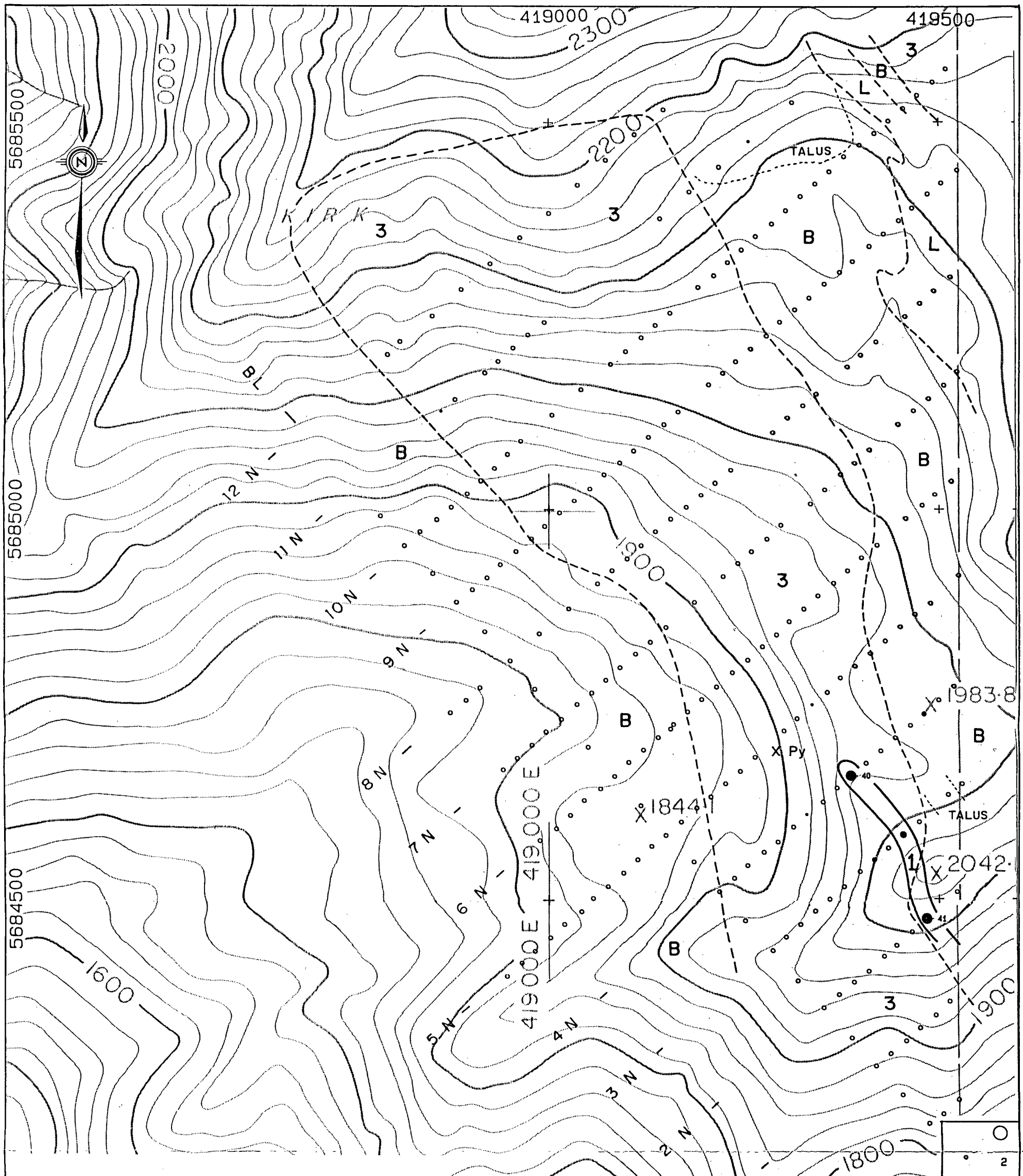
ROCK CHIP GEOCHEMICAL SURVEY

ARSENIC

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 27
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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0 50 100 150 200 250 M

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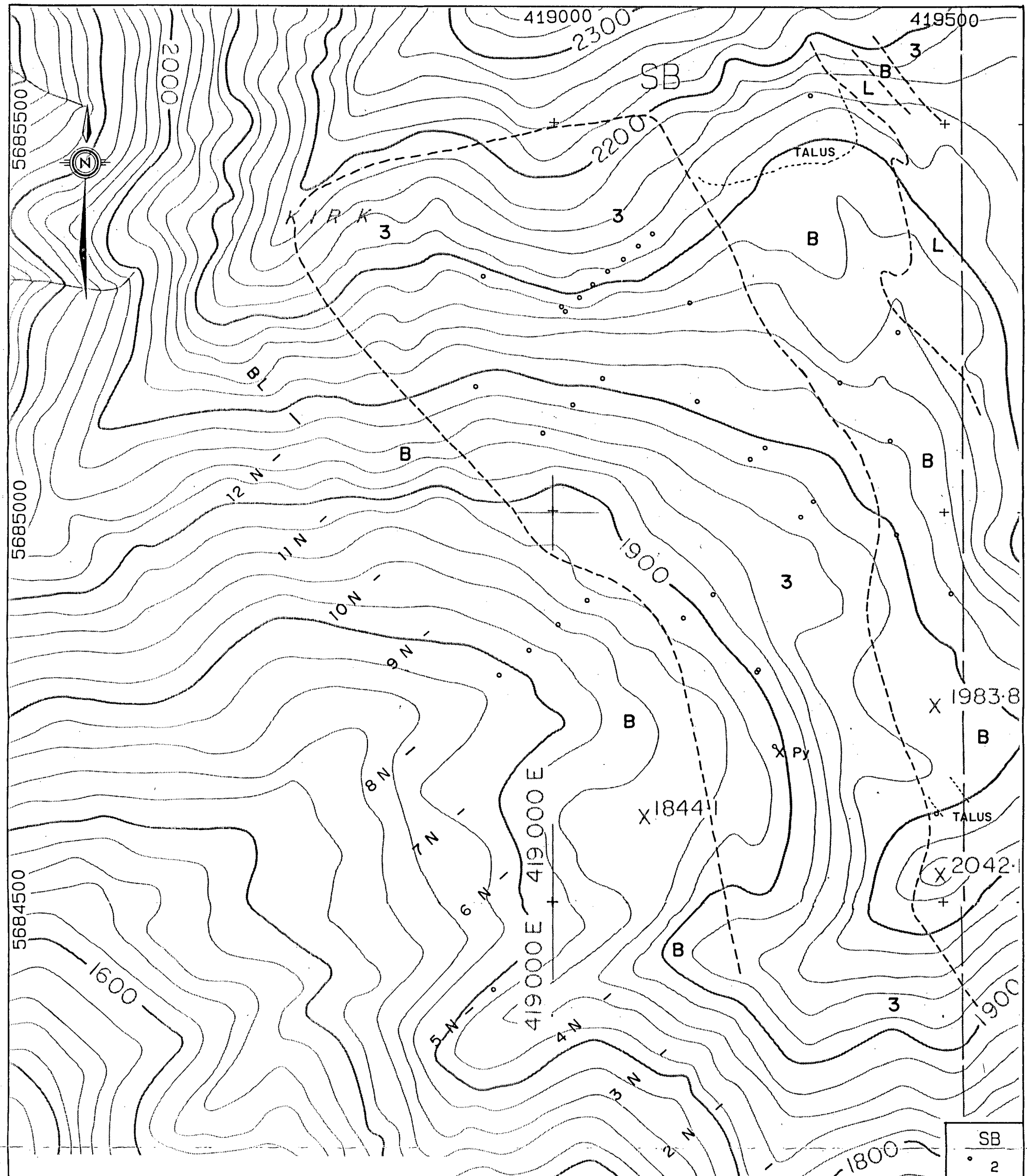
SOIL GEOCHEMICAL SURVEY

ANTIMONY (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 28
REPORT NO.	NTS 82M/8E SCALE 1: 5000	

TO ACCOMPANY REPORT:



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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REX PEGG B.C.

0 50 100 150 200 250 M

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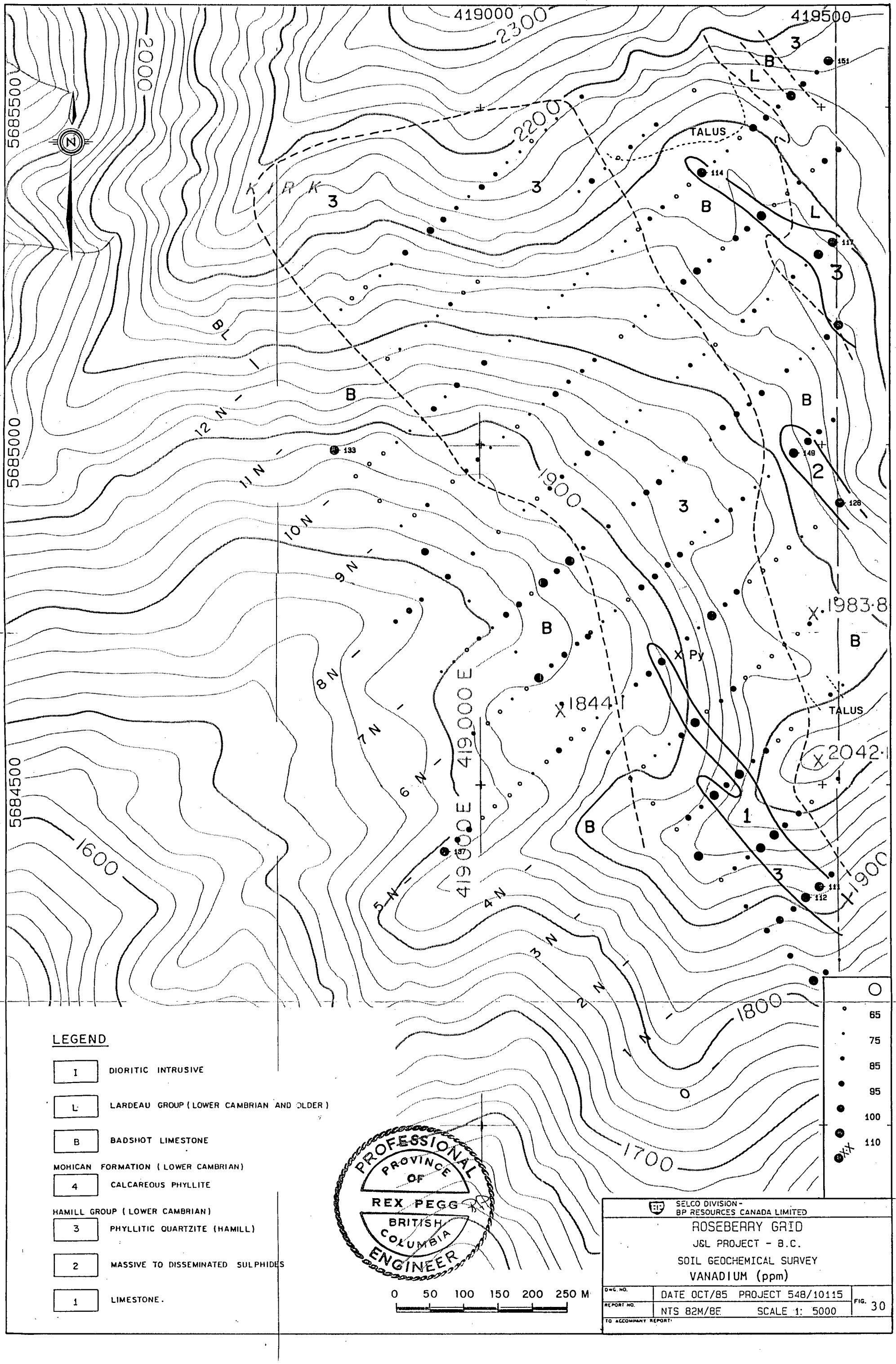
ROCK CHIP GEOCHEMICAL SURVEY

ANTIMONY (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 29
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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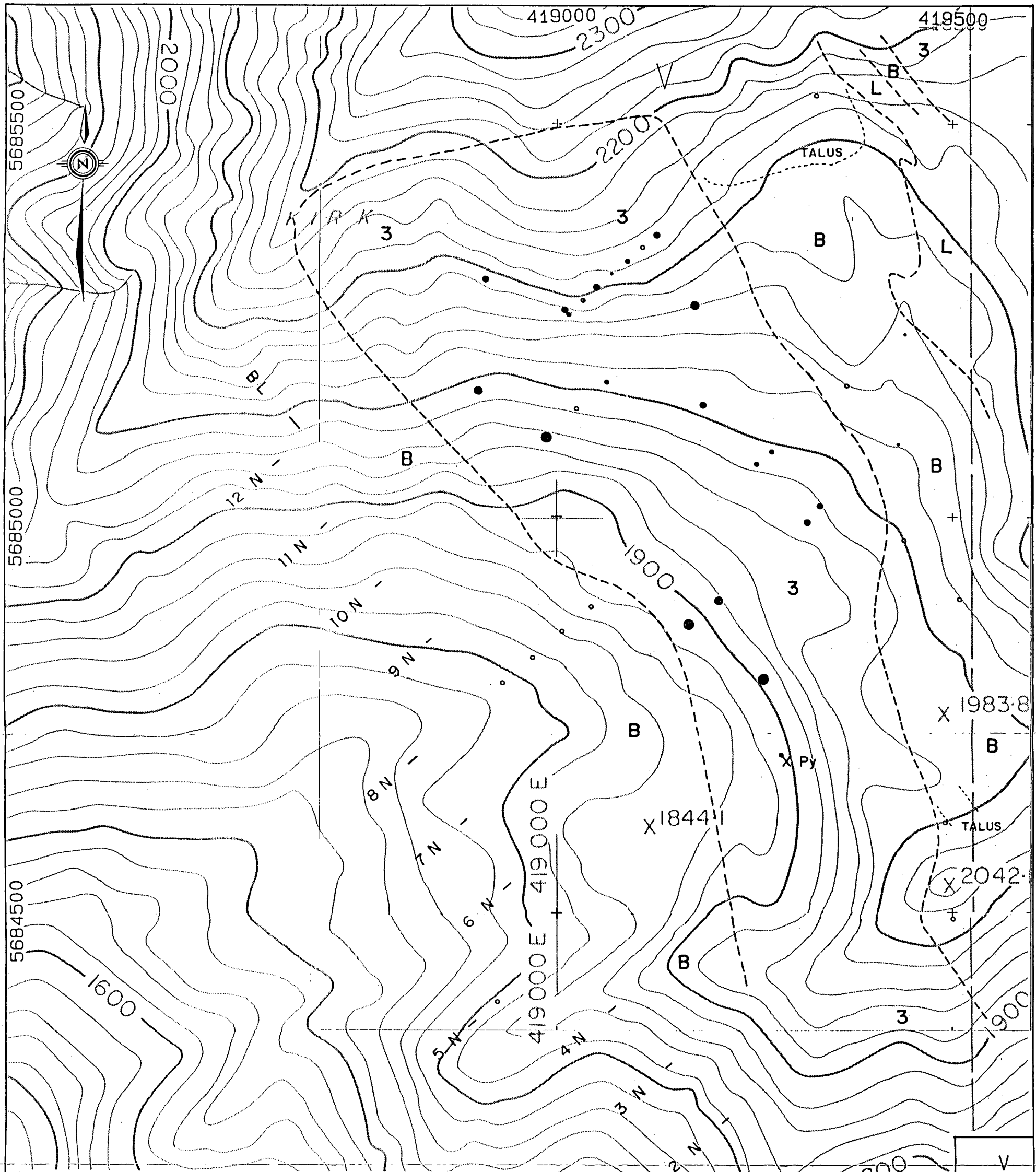
SOIL GEOCHEMICAL SURVEY

VANADIUM (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 30
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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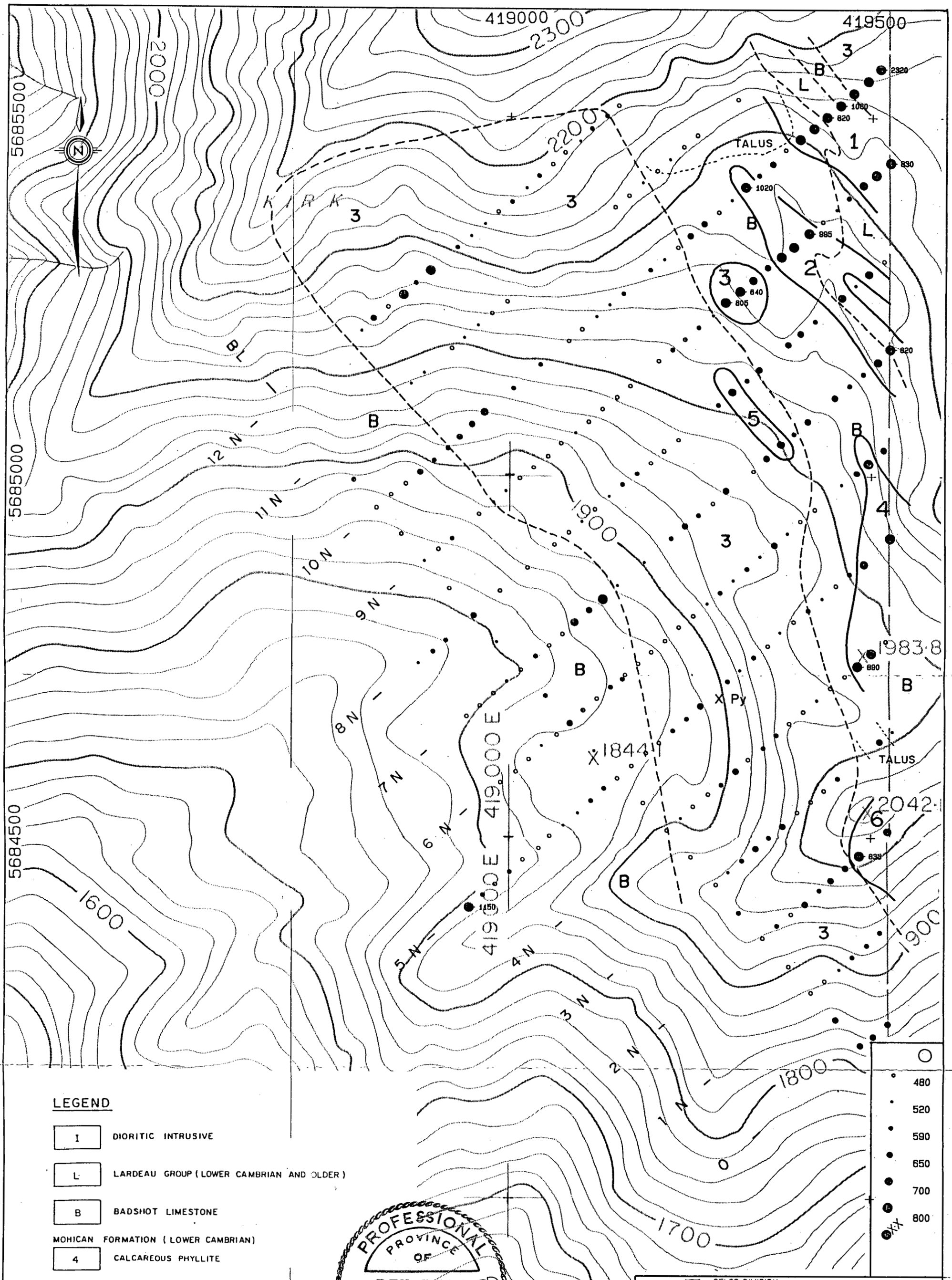
ROCK CHIP GEOCHEMICAL SURVEY

VANADIUM

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 31
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

- I — DIORITIC 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)
- 2 — MASSIVE TO DISSEMINATED SULPHIDES
- 1 — LIMESTONE.

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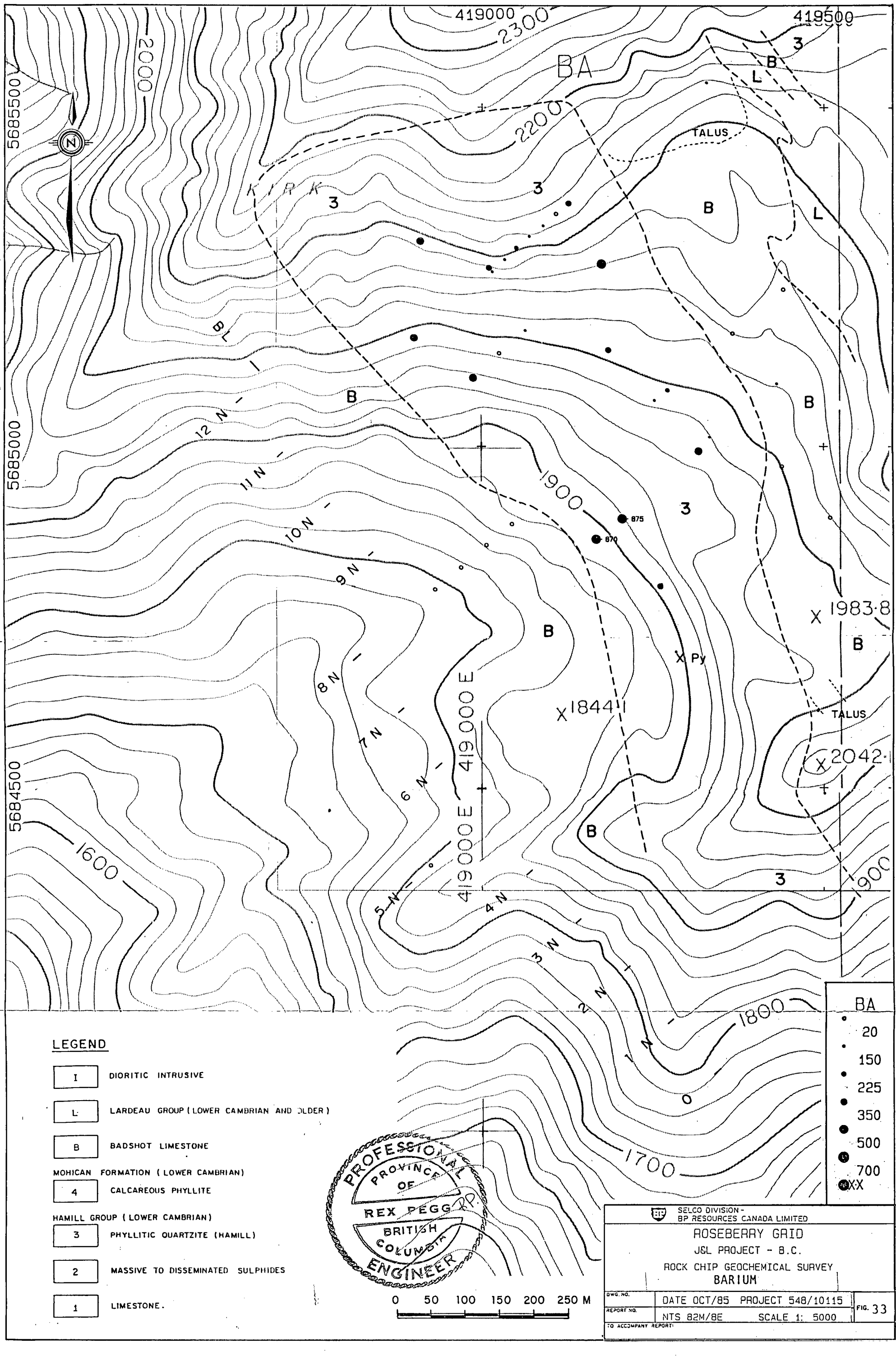
SOIL GEOCHEMICAL SURVEY

BARIUM (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 32
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		


419000
419500
5685500
5685000
5684500
2000
2300
2200
1900
1600
1800
1700
BA
TALUS
KIRK
3
B
L
BL
12 N
11 N
10 N
9 N
8 N
7 N
6 N
5 N
4 N
3 N
2 N
1 N
0
875
870
X Py
X1844
X1983.8
X2042
TALUS
LEGEND
I DIORITIC 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)
2 MASSIVE TO DISSEMINATED SULPHIDES
1 LIMESTONE.
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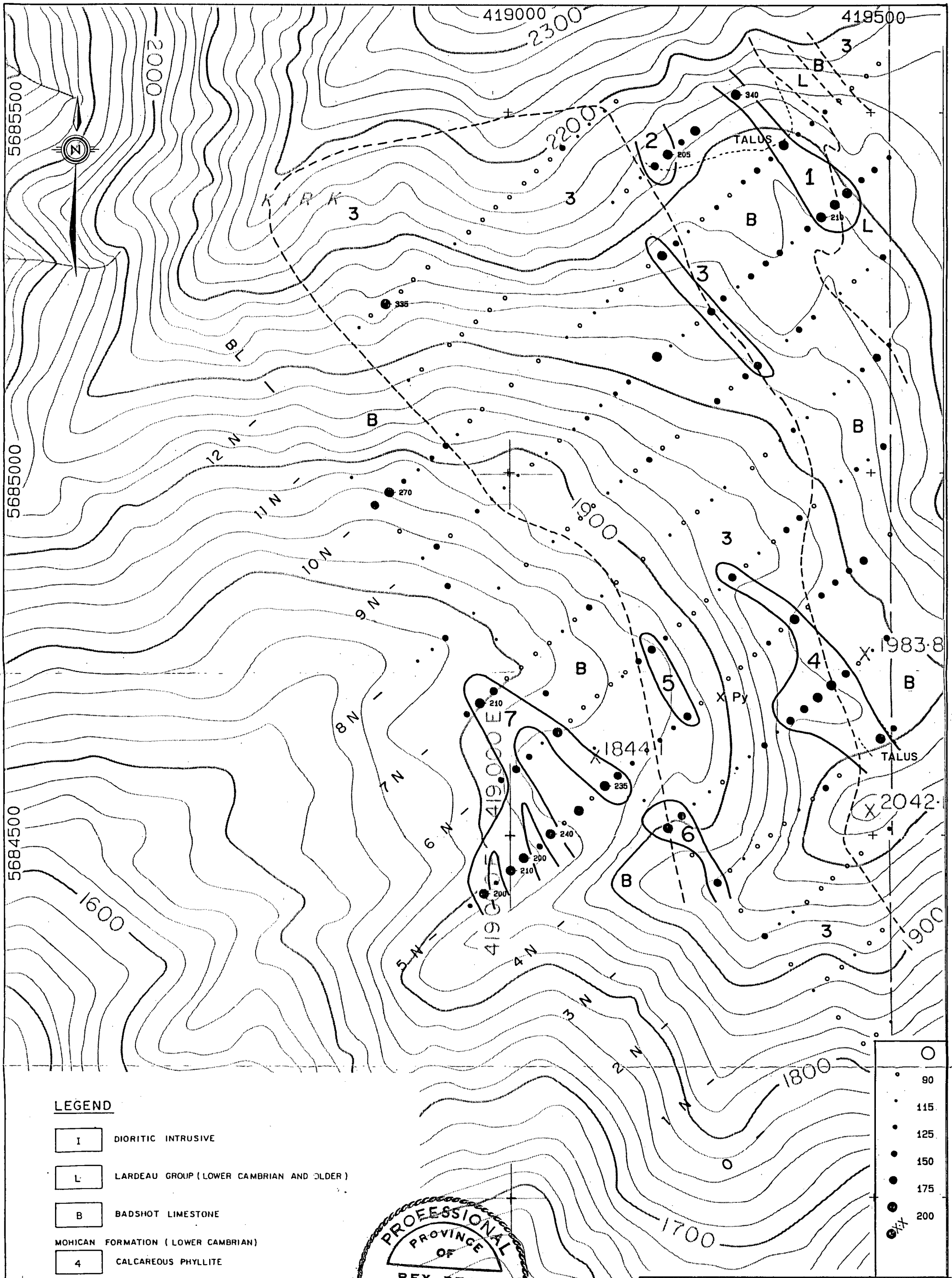
REX PEGG R.P.
0 50 100 150 200 250 M
BA
20
150
225
350
500
700
X-X
SELCO DIVISION - BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
ROCK CHIP GEOCHEMICAL SURVEY
BARIUM
DWG. NO.
DATE OCT/85 PROJECT 548/10115
FIG. 33
REPORT NO.
NTS 82M/8E SCALE 1: 5000
TO ACCOMPANY REPORT:



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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REX PEGG

0 50 100 150 200 250 M

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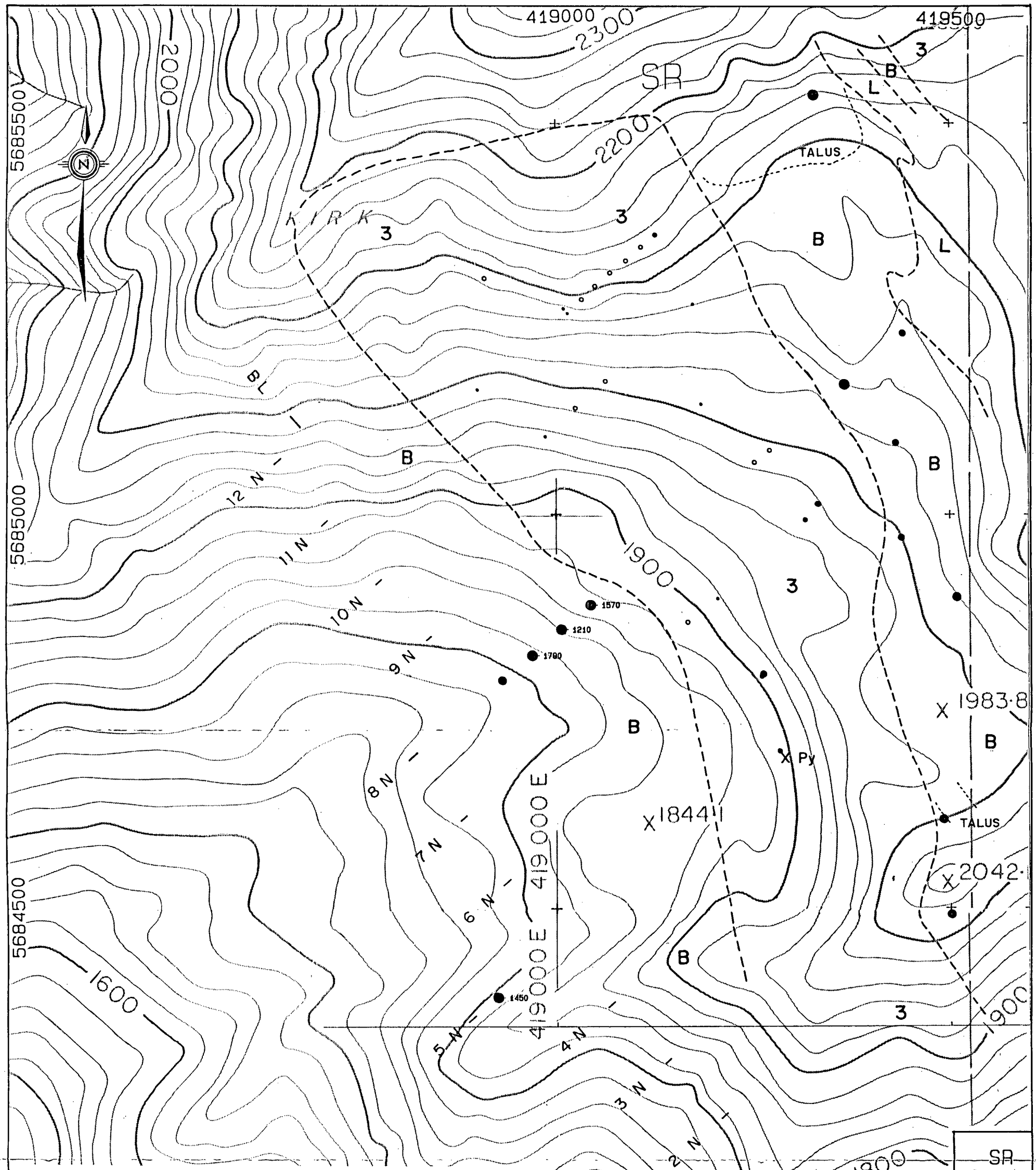
SOIL GEOCHEMICAL SURVEY

STRONTIUM (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 34
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

- I — DIORITIC 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)
- 2 — MASSIVE TO DISSEMINATED SULPHIDES
- 1 — LIMESTONE.

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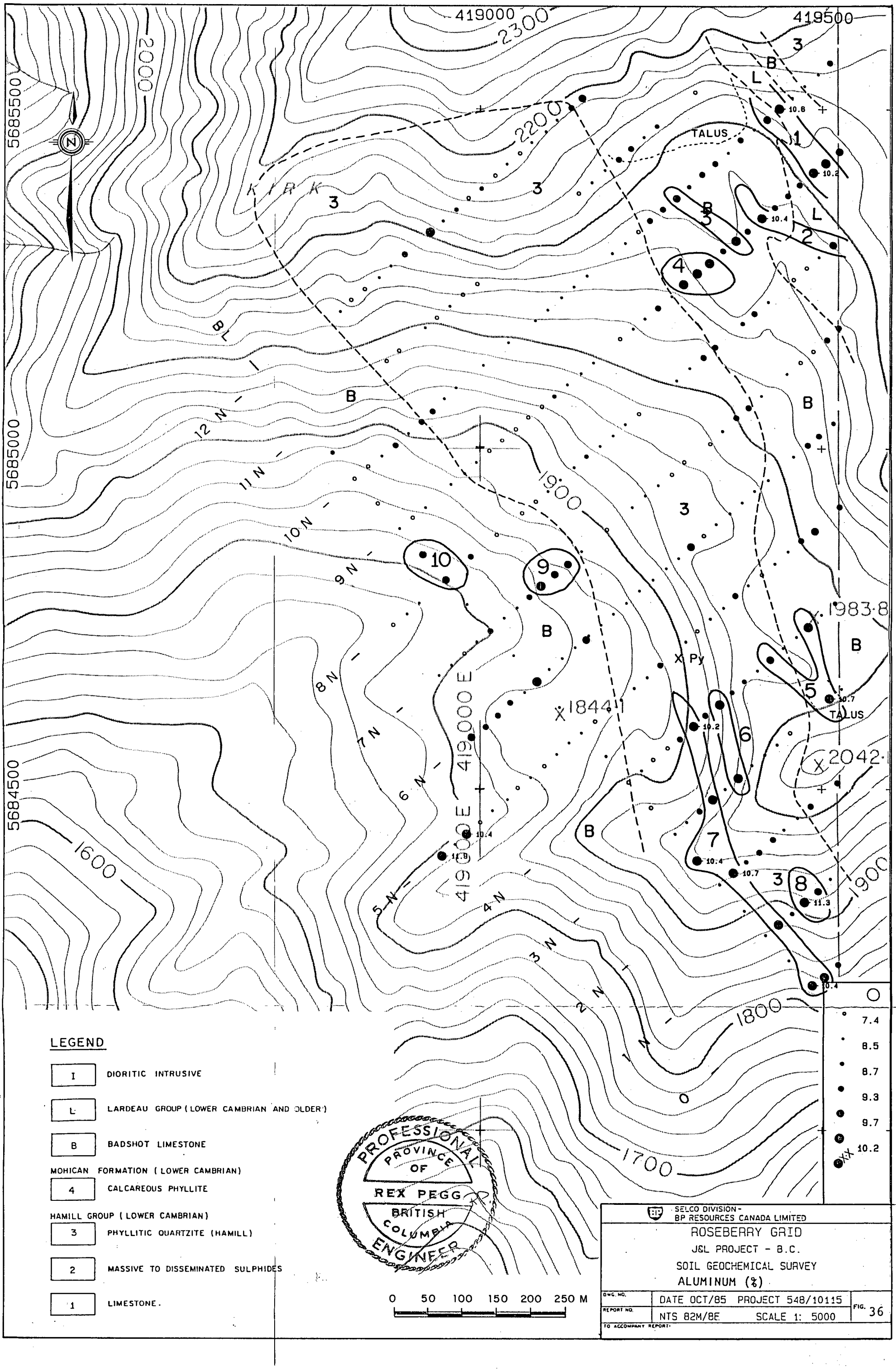
ROCK CHIP GEOCHEMICAL SURVEY

STRONTIUM

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 35
REPORT NO.	NTS 82M/8E SCALE 1: 5000	

TO ACCOMPANY REPORT:



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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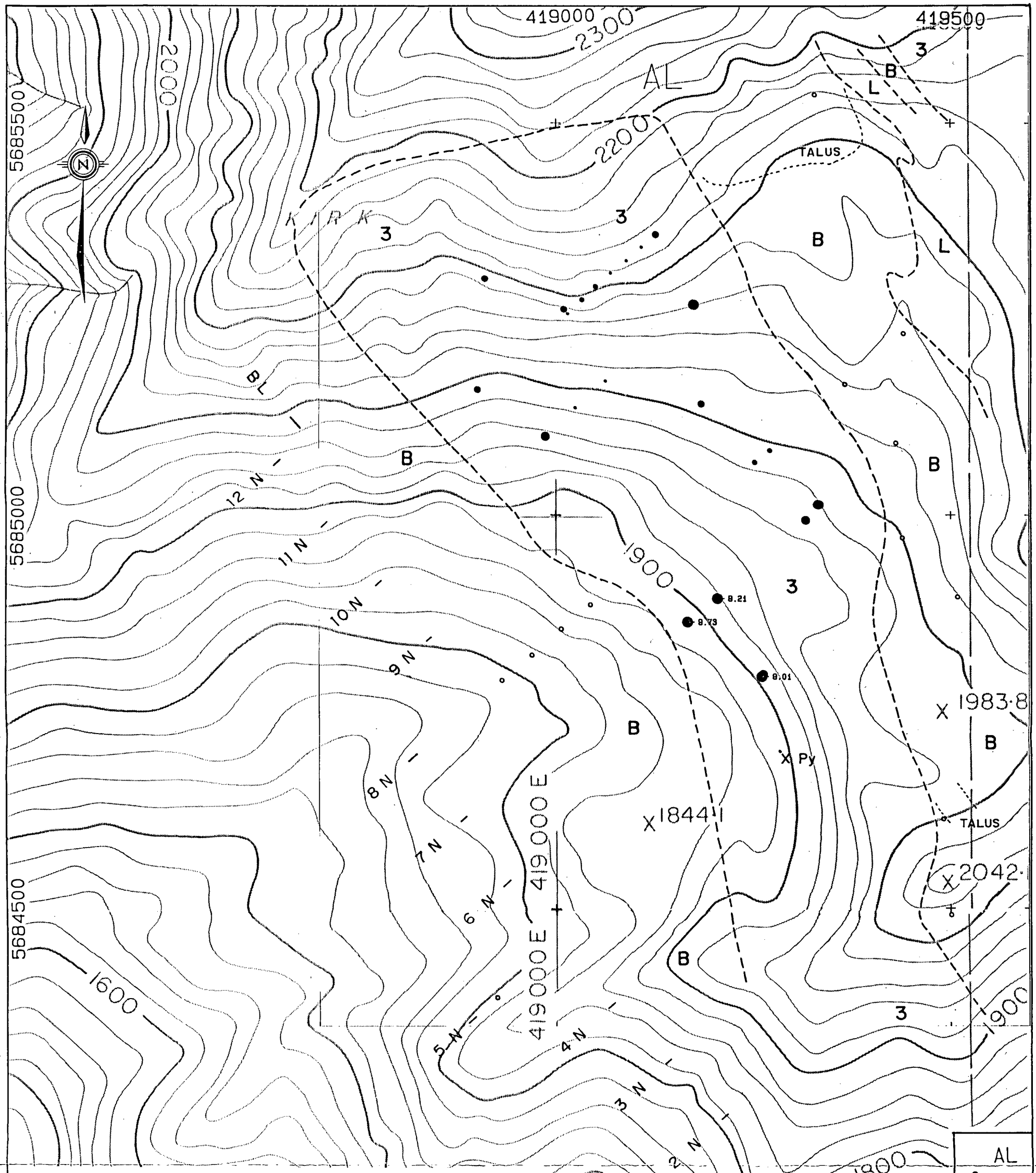
SOIL GEOCHEMICAL SURVEY

ALUMINUM (%)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 36
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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0 50 100 150 200 250 M

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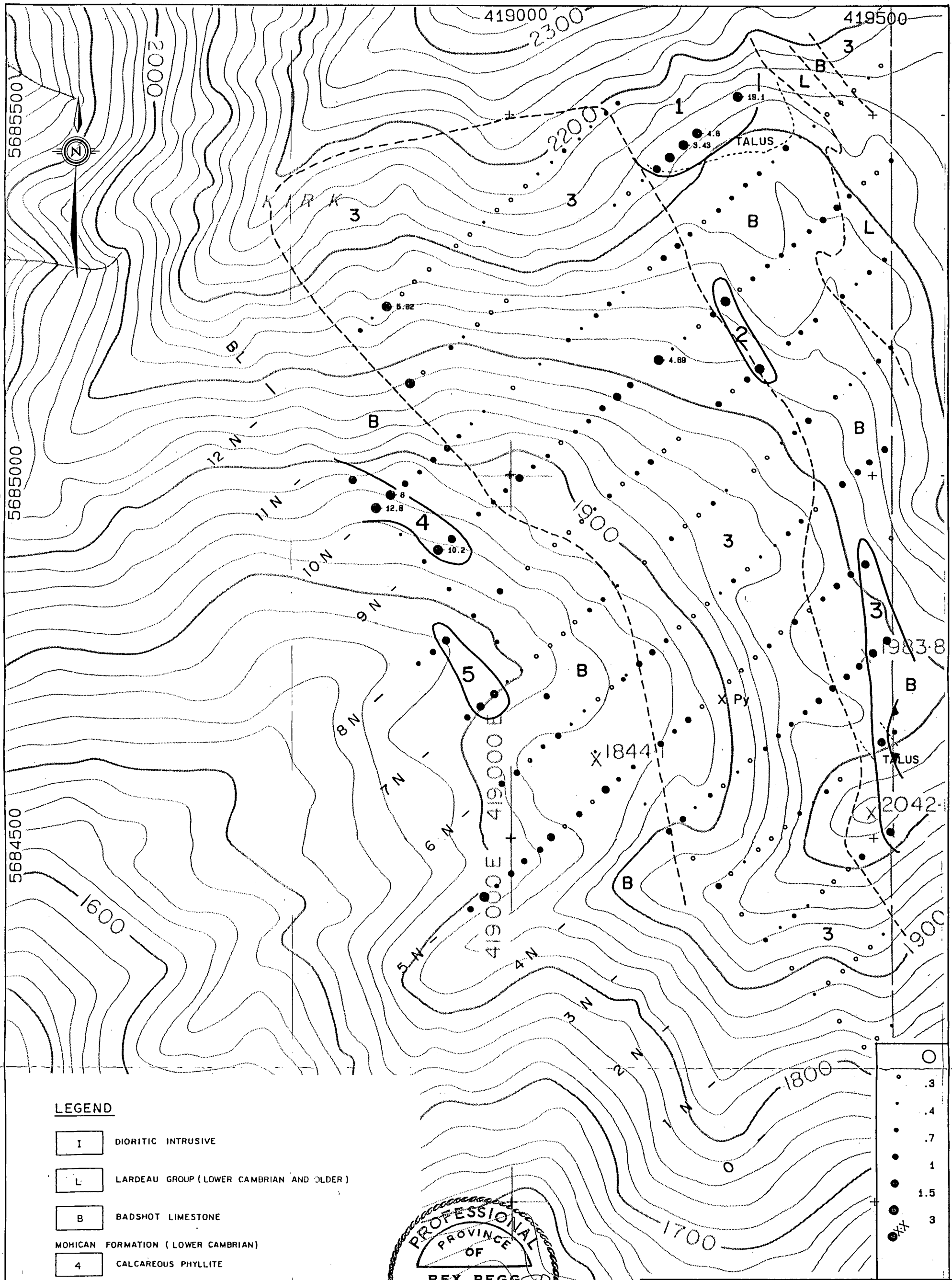
ROCK CHIP GEOCHEMICAL SURVEY

ALUMINUM

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 37
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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0 50 100 150 200 250 M

0
.3
.4
.7
1
1.5
3
X Py

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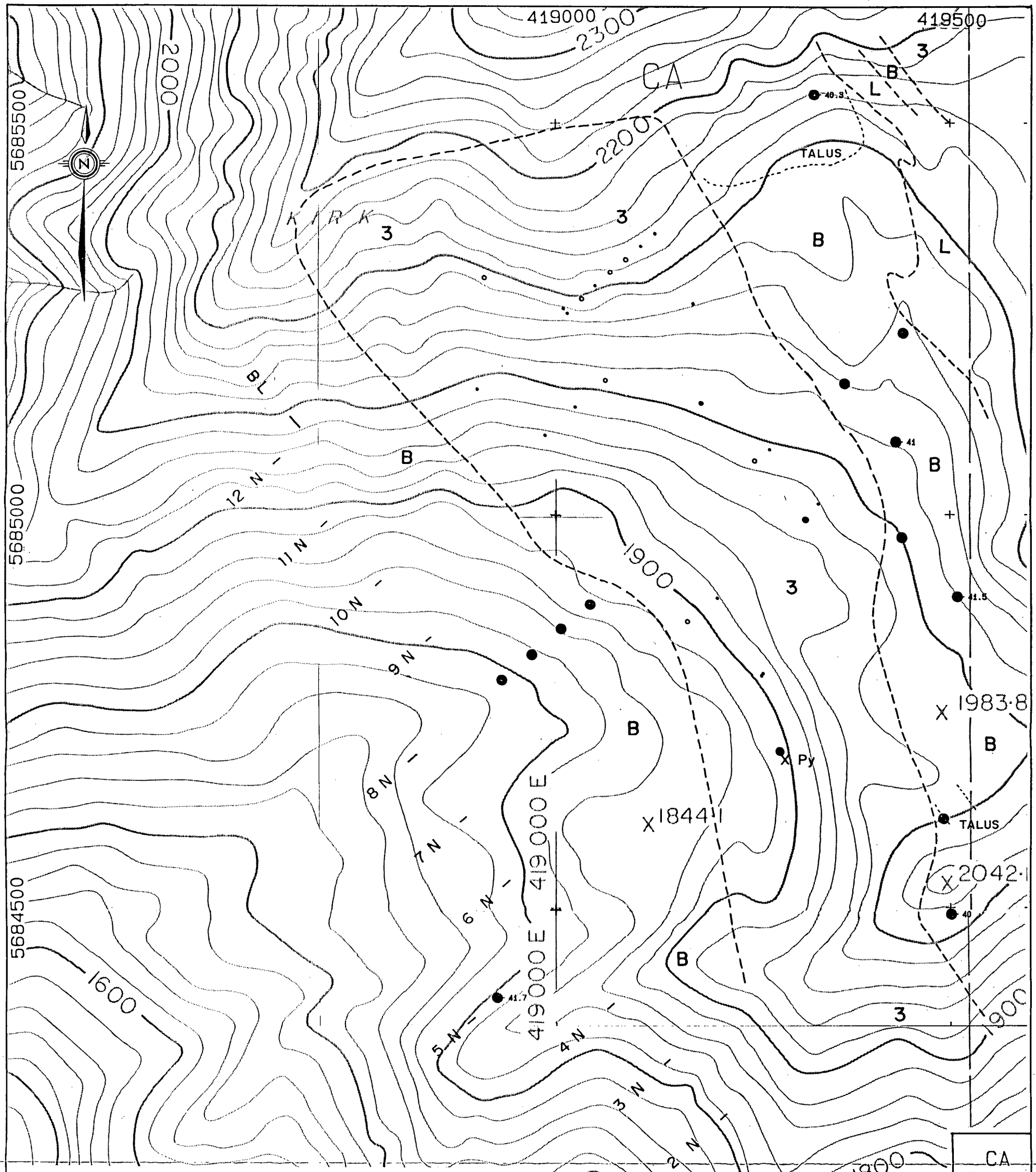
SOIL GEOCHEMICAL SURVEY

CALCIUM (%)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 38
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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REX PEGG

0 50 100 150 200 250 M

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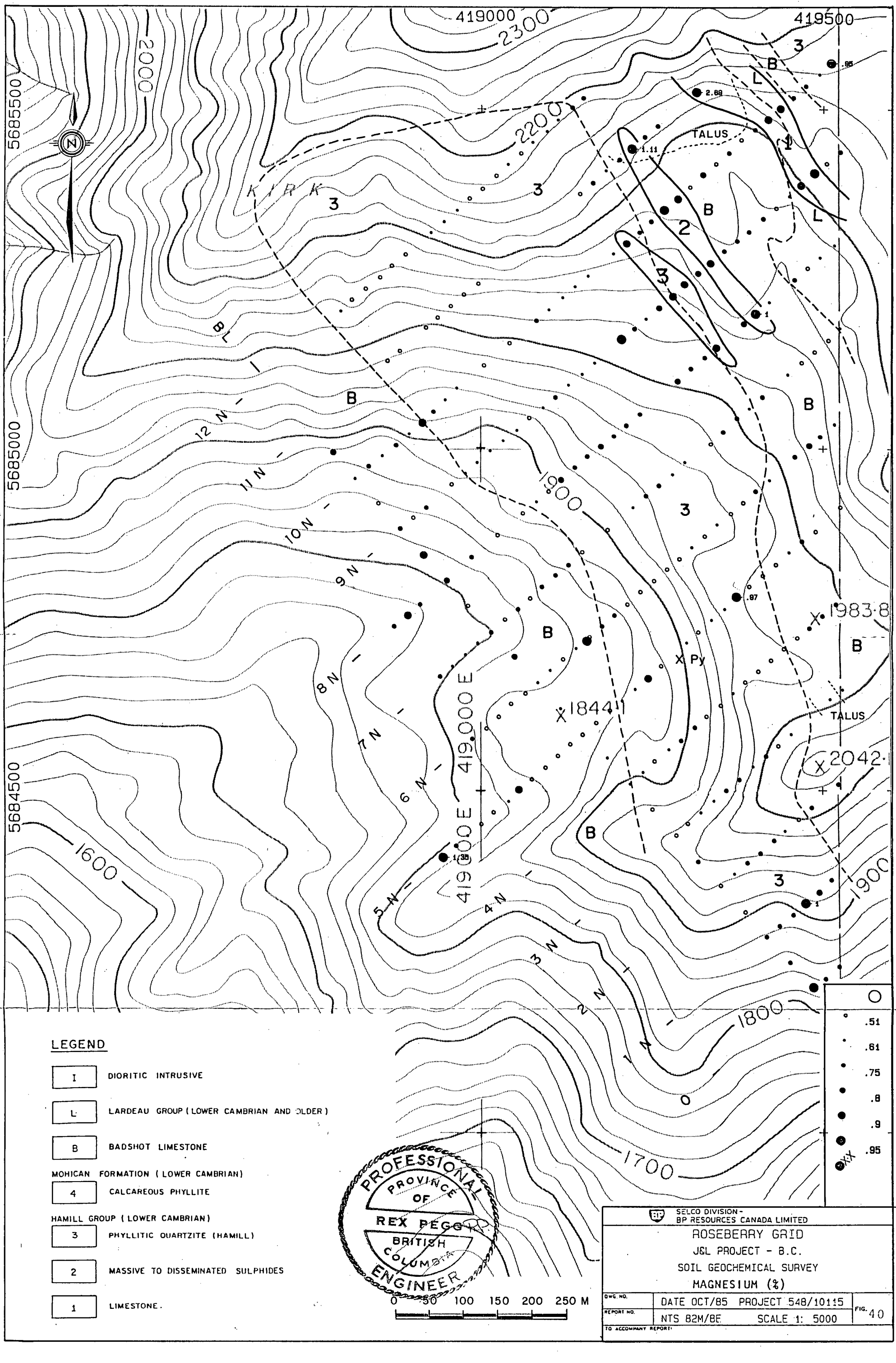
ROCK CHIP GEOCHEMICAL SURVEY

CALCIUM

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 39
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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PROVINCE OF BRITISH COLUMBIA
REX PEGG

0 50 100 150 200 250 M

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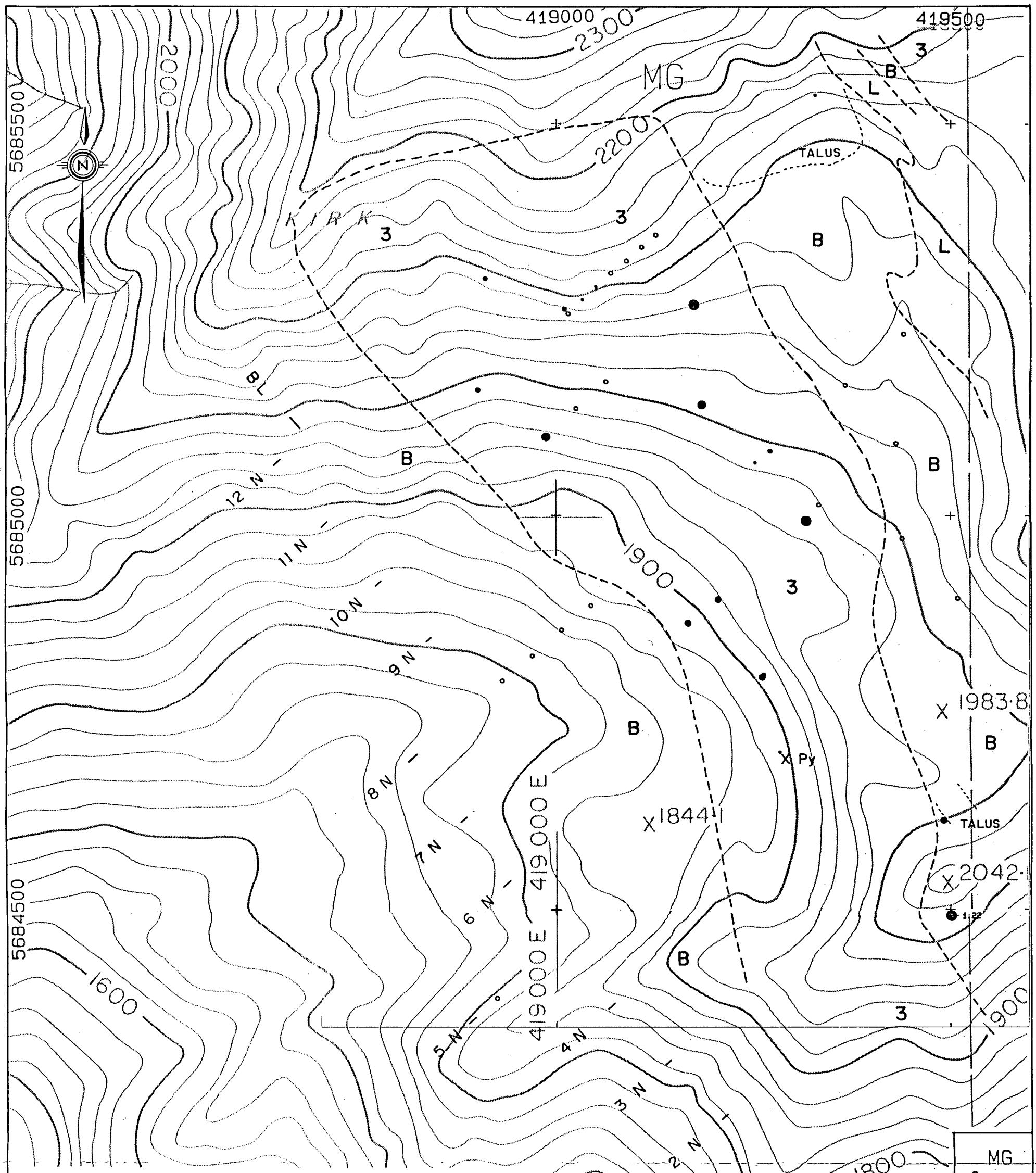
BP RESOURCES CANADA LIMITED

ROSEBERRY GRID
J&L PROJECT - B.C.
SOIL GEOCHEMICAL SURVEY
MAGNESIUM (%)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 40
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

- I — DIORITIC 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)
- 2 — MASSIVE TO DISSEMINATED SULPHIDES
- 1 — LIMESTONE.

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ROSEBERRY GRID

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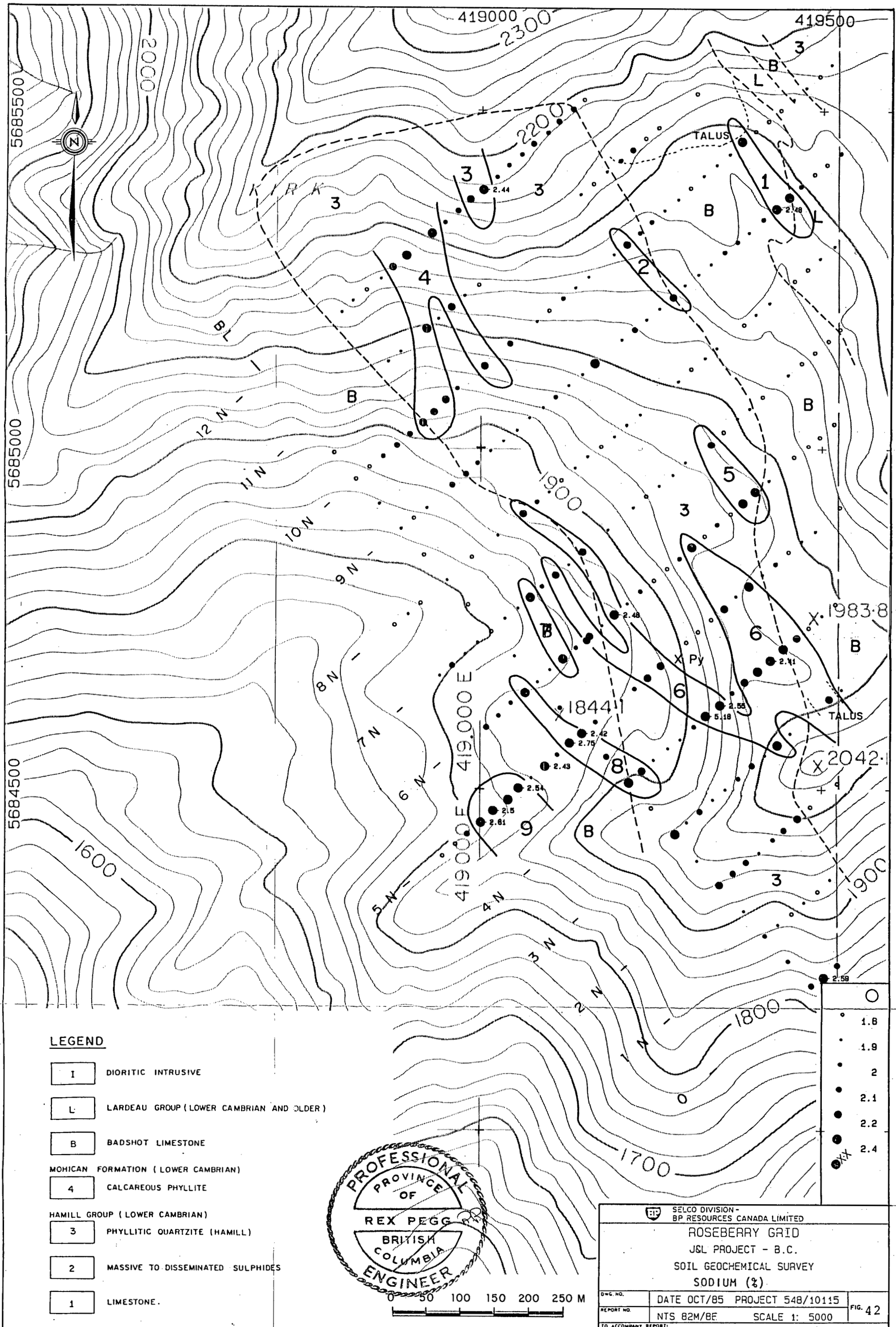
ROCK CHIP GEOCHEMICAL SURVEY

MAGNESIUM

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 41
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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REX PEGG

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BP RESOURCES CANADA LIMITED

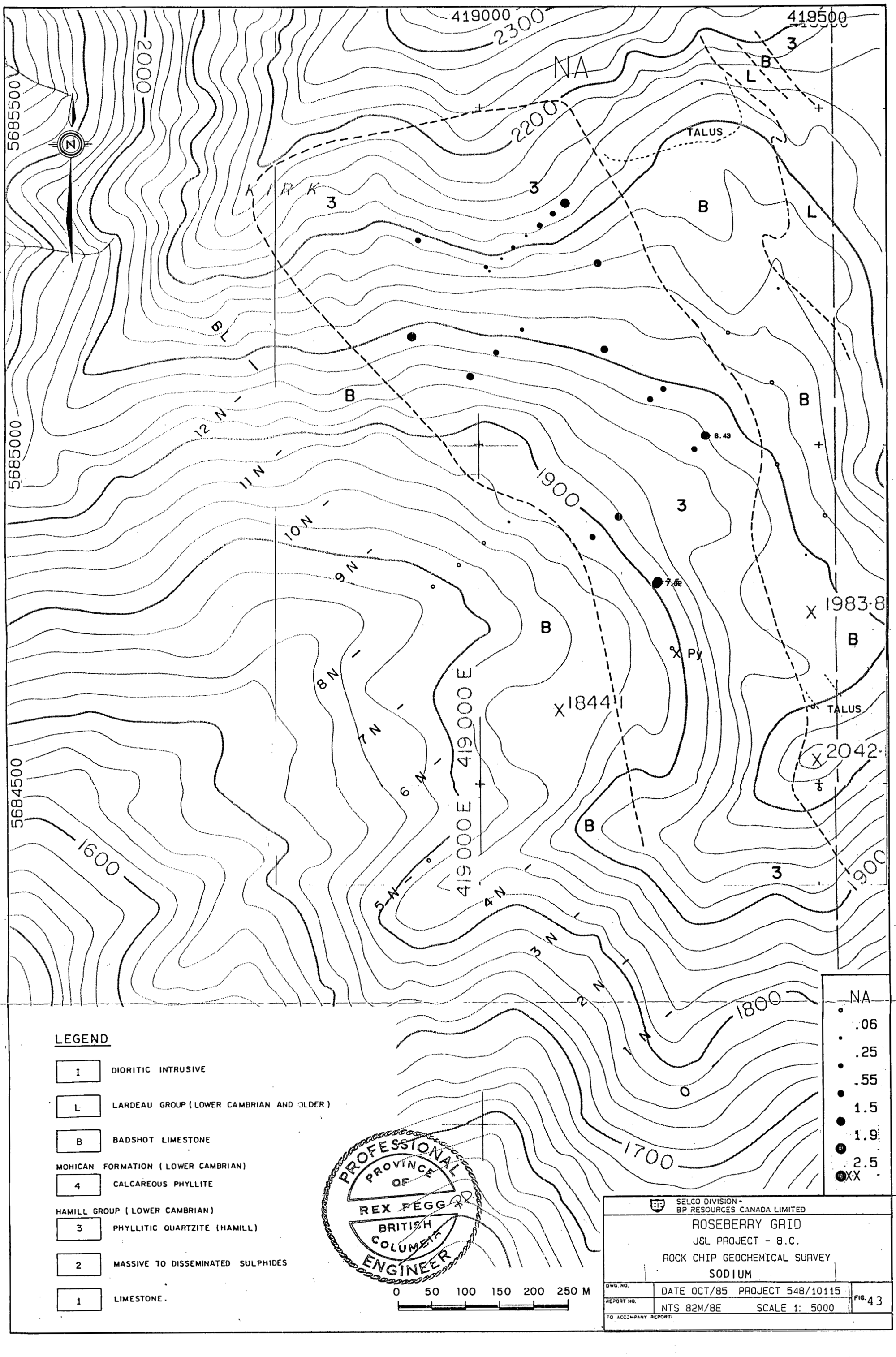
ROSEBERRY GRID

J&L PROJECT - B.C.

SOIL GEOCHEMICAL SURVEY

SODIUM (%)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 42
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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REX PEGG

SELCO DIVISION - BP RESOURCES CANADA LIMITED

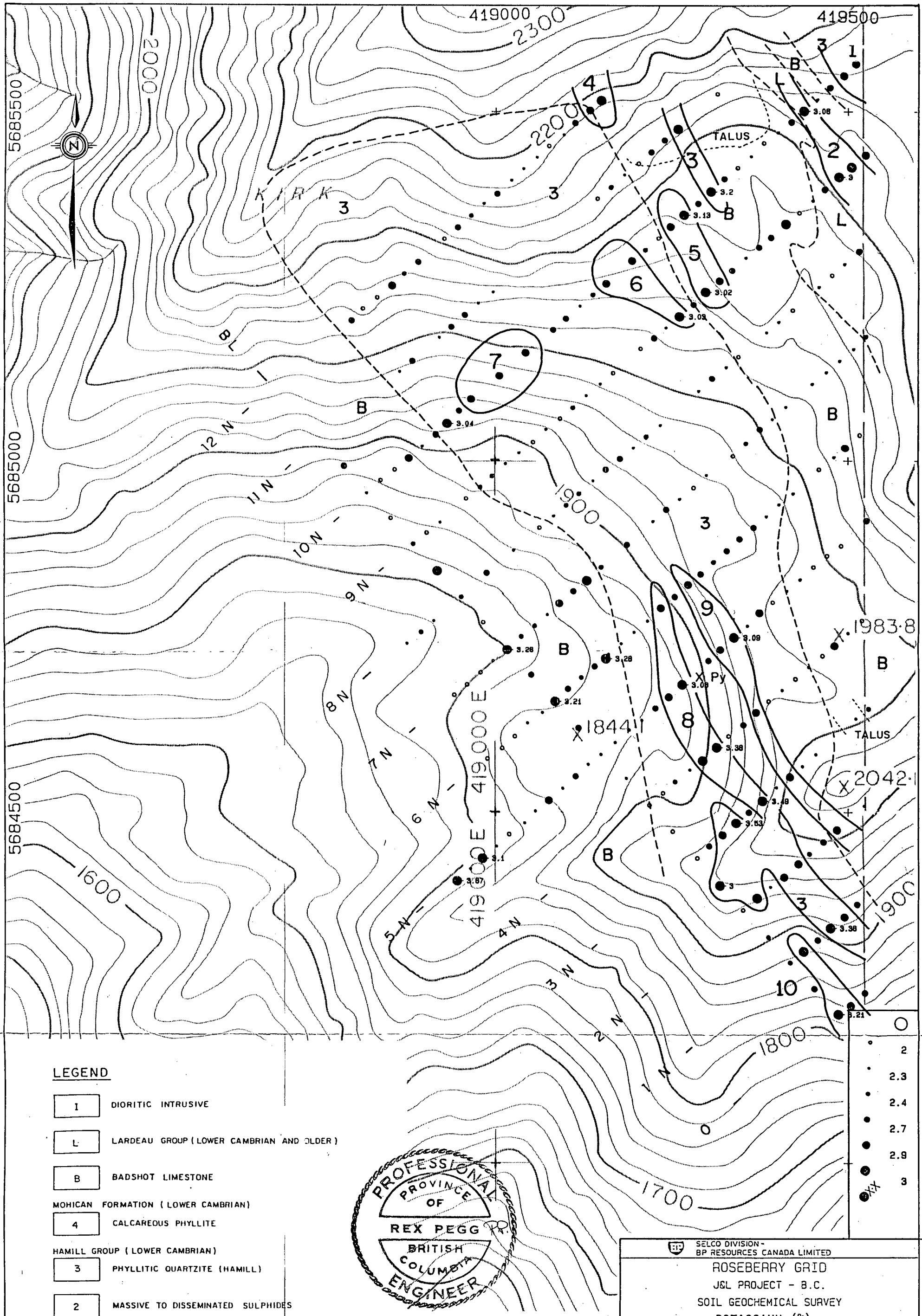
ROSEBERRY GRID

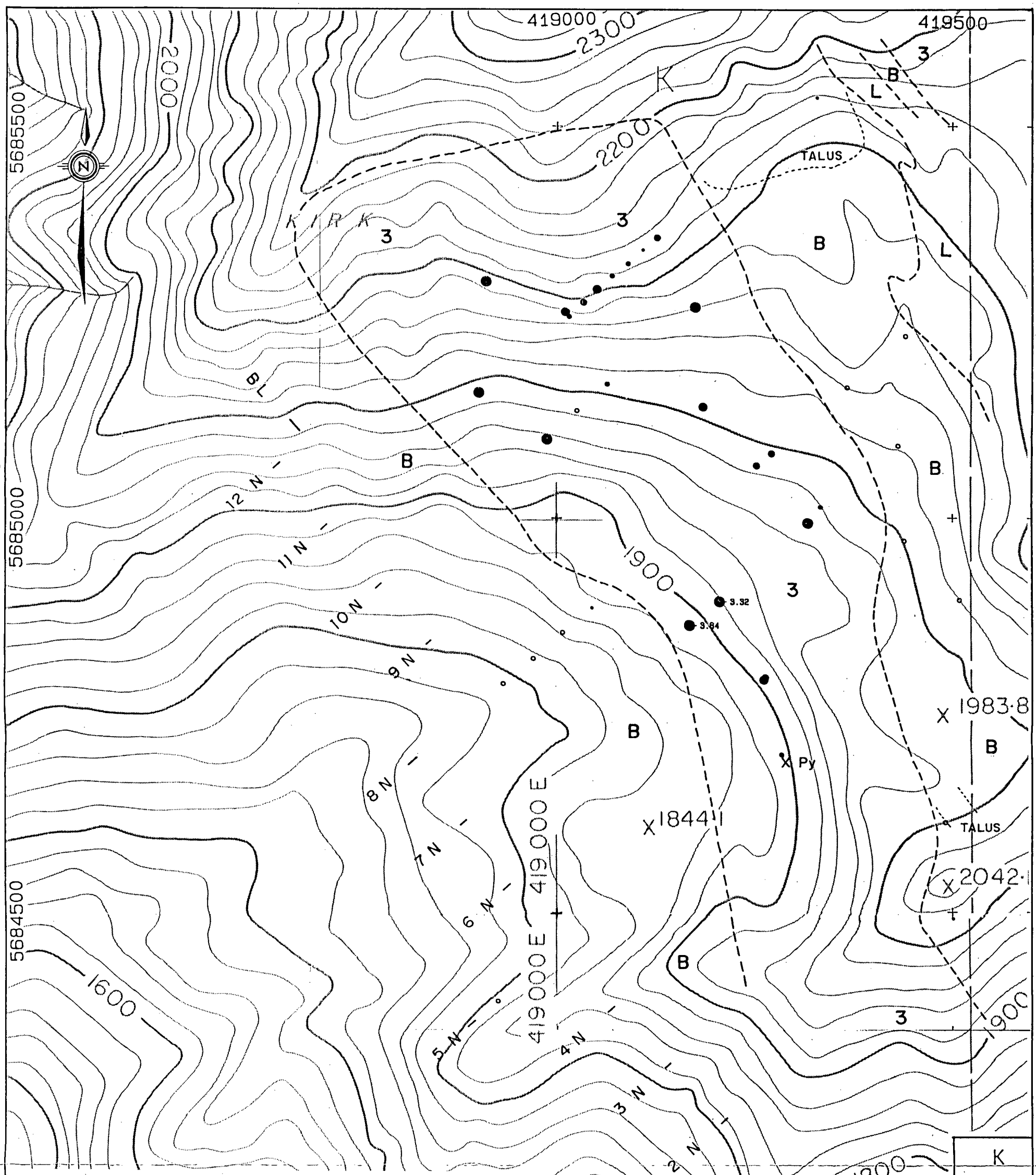
J&L PROJECT - B.C.

ROCK CHIP GEOCHEMICAL SURVEY

SODIUM

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 43
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		


419000
419500
5685500
5685000
5684500
2300
2200
2000
1900
1800
1700
1600
TALUS
TALUS
K I R K
BL
12 N
11 N
10 N
9 N
8 N
7 N
6 N
5 N
4 N
3 N
2 N
1 N
0
419000 E
419500 E
X 1844.1
X 1983.8
X 2042.
X Py
3.08
3.2
3.13
3.02
3.09
3.04
3.28
3.21
3.09
3.38
3.53
3.1
3.87
3.21
LEGEND
I DIORITIC 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)
2 MASSIVE TO DISSEMINATED SULPHIDES
1 LIMESTONE.
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX PEGG
0 50 100 150 200 250 M
2
2.3
2.4
2.7
2.9
3
SELCO DIVISION - BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
SOIL GEOCHEMICAL SURVEY
POTASSIUM (%)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
REPORT NO.
NTS 82M/8E SCALE 1: 5000
FIG. 44
TO ACCOMPANY REPORT:



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

K	
•	.05
•	.25
•	.5
•	1.5
•	2
•	3
X	X

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REX PEGG BP.

0 50 100 150 200 250 M

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ROSEBERRY GRID

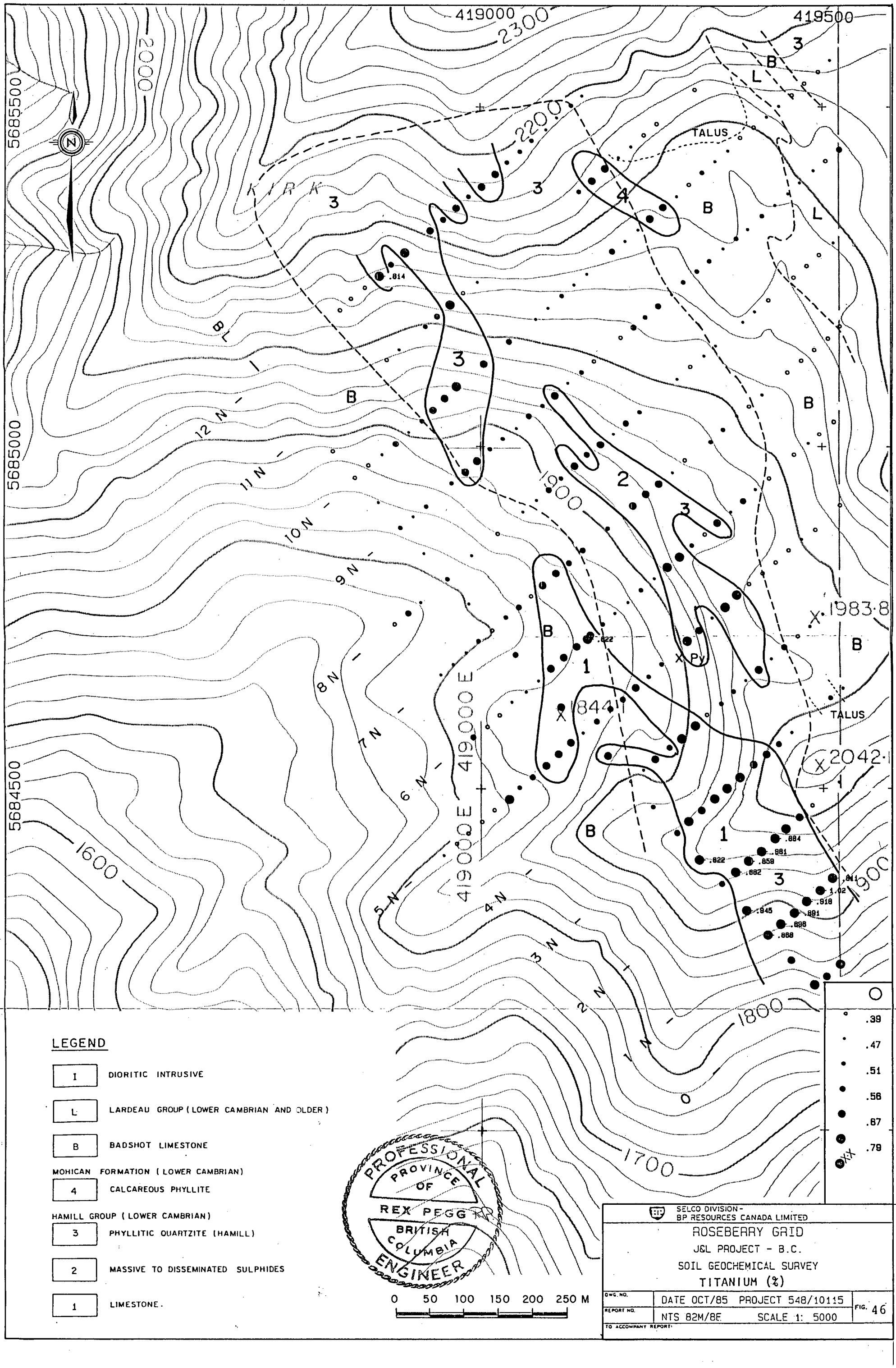
J&L PROJECT - B.C.

ROCK CHIP GEOCHEMICAL SURVEY

POTASSIUM

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 45
REPORT NO.	NTS 82M/8E SCALE 1: 5000	

TO ACCOMPANY REPORT



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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PROVINCE OF BRITISH COLUMBIA
REX PEGG

0 50 100 150 200 250 M

O .39 .47 .51 .56 .67 .79 X.X

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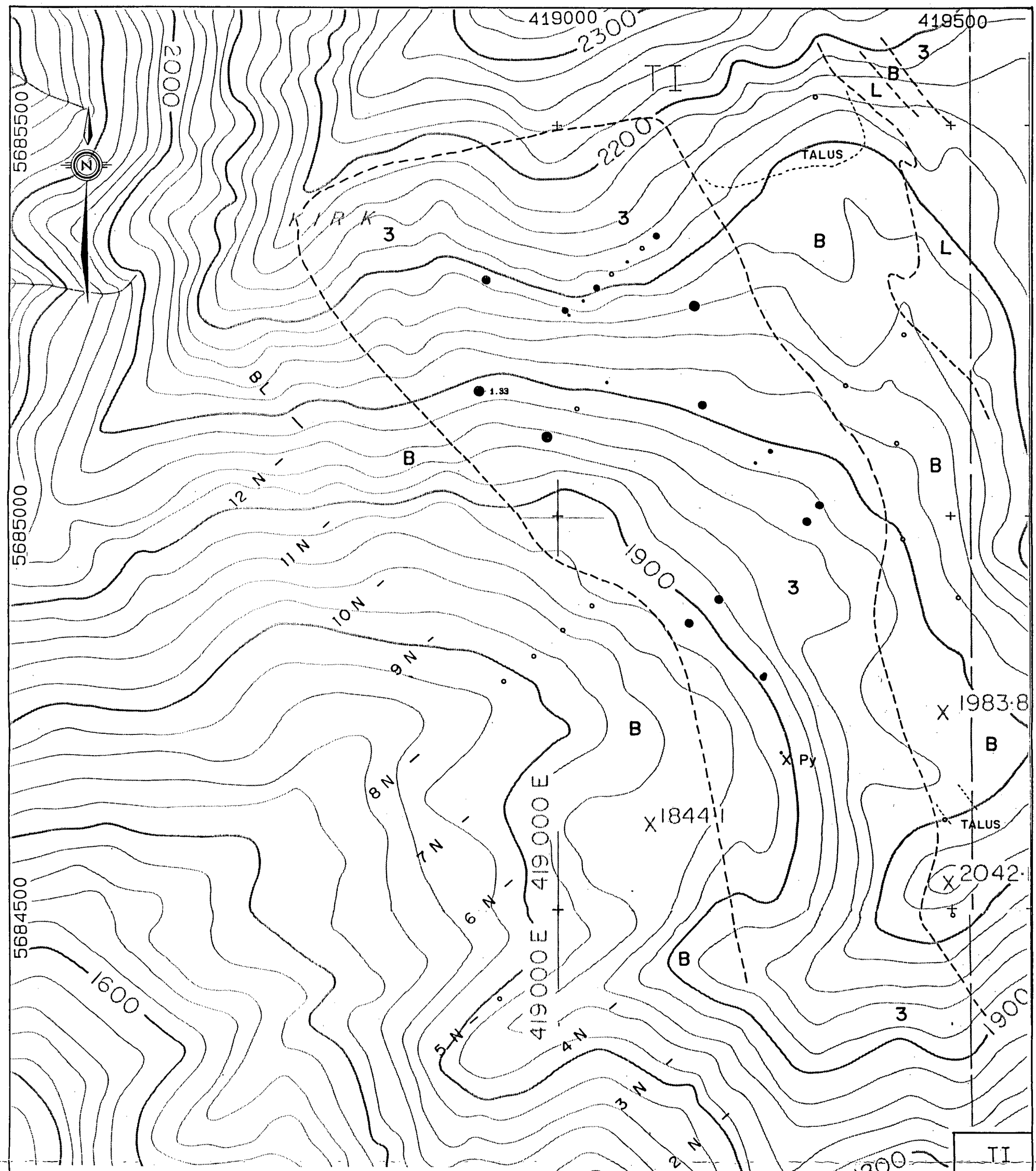
ROSEBERRY GRID

J&L PROJECT - B.C.

SOIL GEOCHEMICAL SURVEY

TITANIUM (%)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 46
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX PEGG

0 50 100 150 200 250 M

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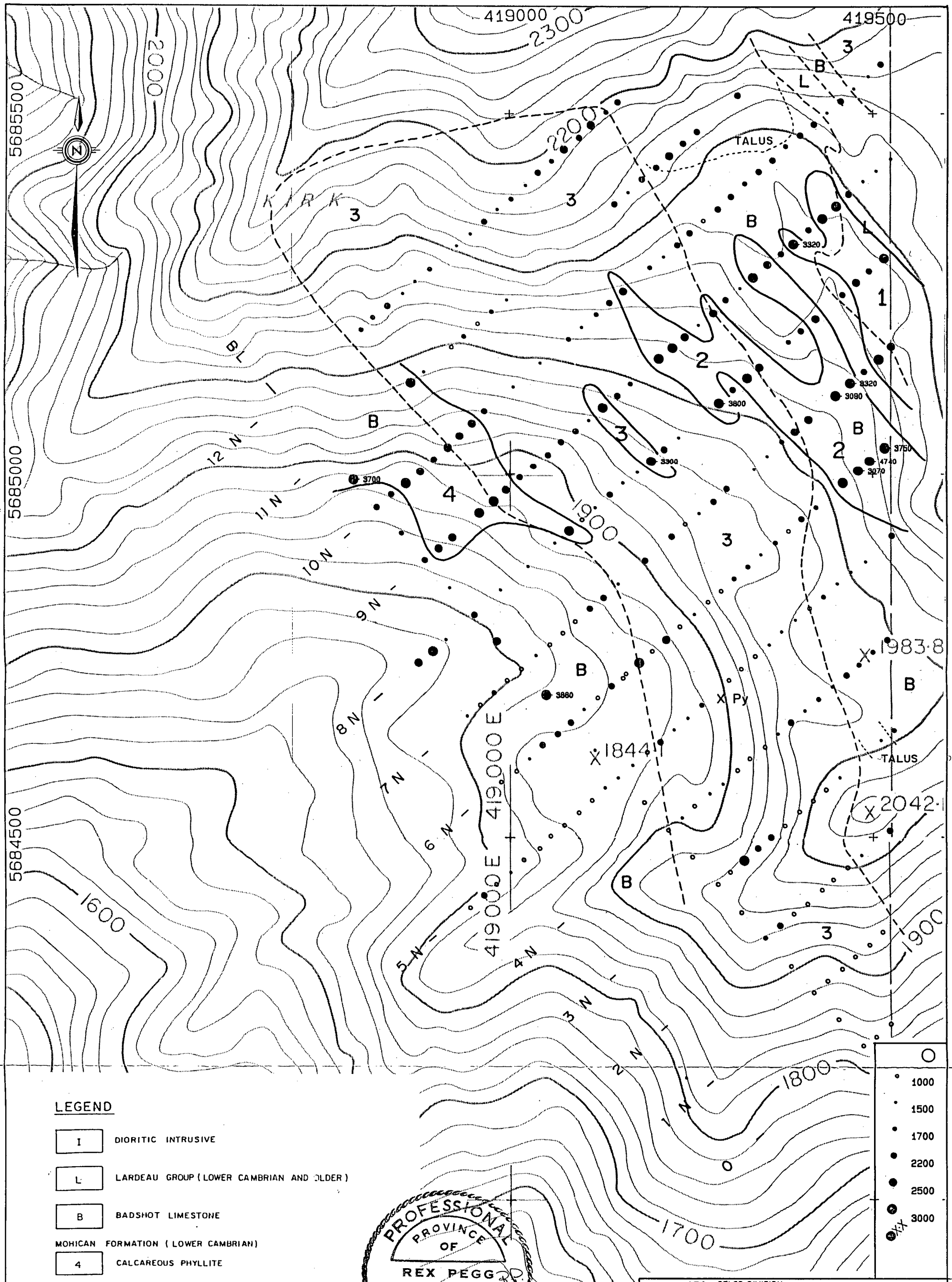
ROSEBERRY GRID

J&L PROJECT - B.C.

ROCK CHIP GEOCHEMICAL SURVEY

TITANIUM

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 47
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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PROVINCE OF BRITISH COLUMBIA
REX PEGG

SELCO DIVISION -
BP RESOURCES CANADA LIMITED

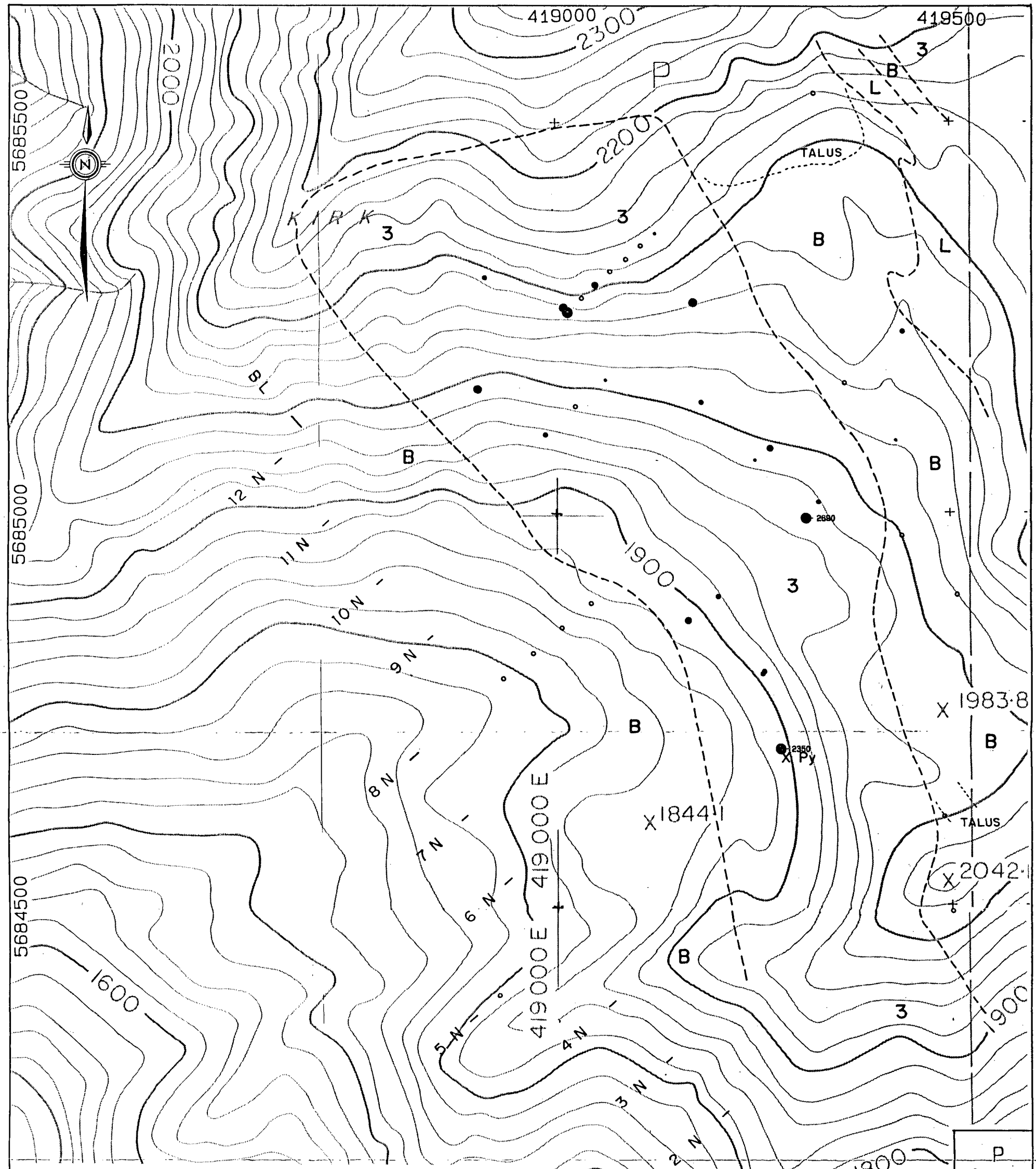
ROSEBERRY GRID

J&L PROJECT - B.C.

SOIL GEOCHEMICAL SURVEY

PHOSPHORUS (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 48
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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REX PEGG B.P.

SELCO DIVISION - BP RESOURCES CANADA LIMITED

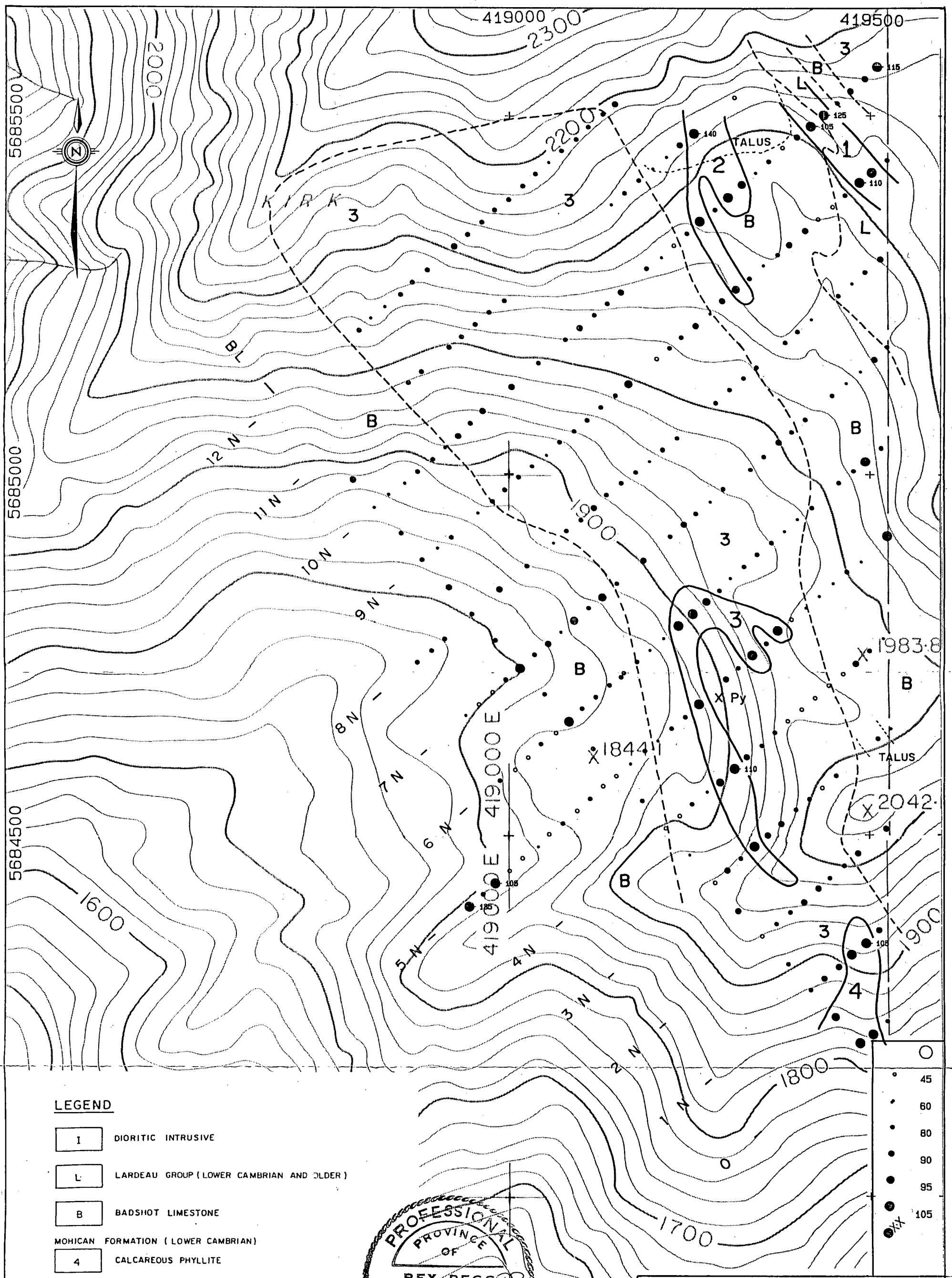
ROSEBERRY GRID

J&L PROJECT - B.C.

ROCK CHIP GEOCHEMICAL SURVEY

PHOSPHORUS

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 49
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		



LEGEND

- I — DIORITIC 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)
- 2 — MASSIVE TO DISSEMINATED SULPHIDES
- 1 — LIMESTONE.

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ROSEBERRY GRID

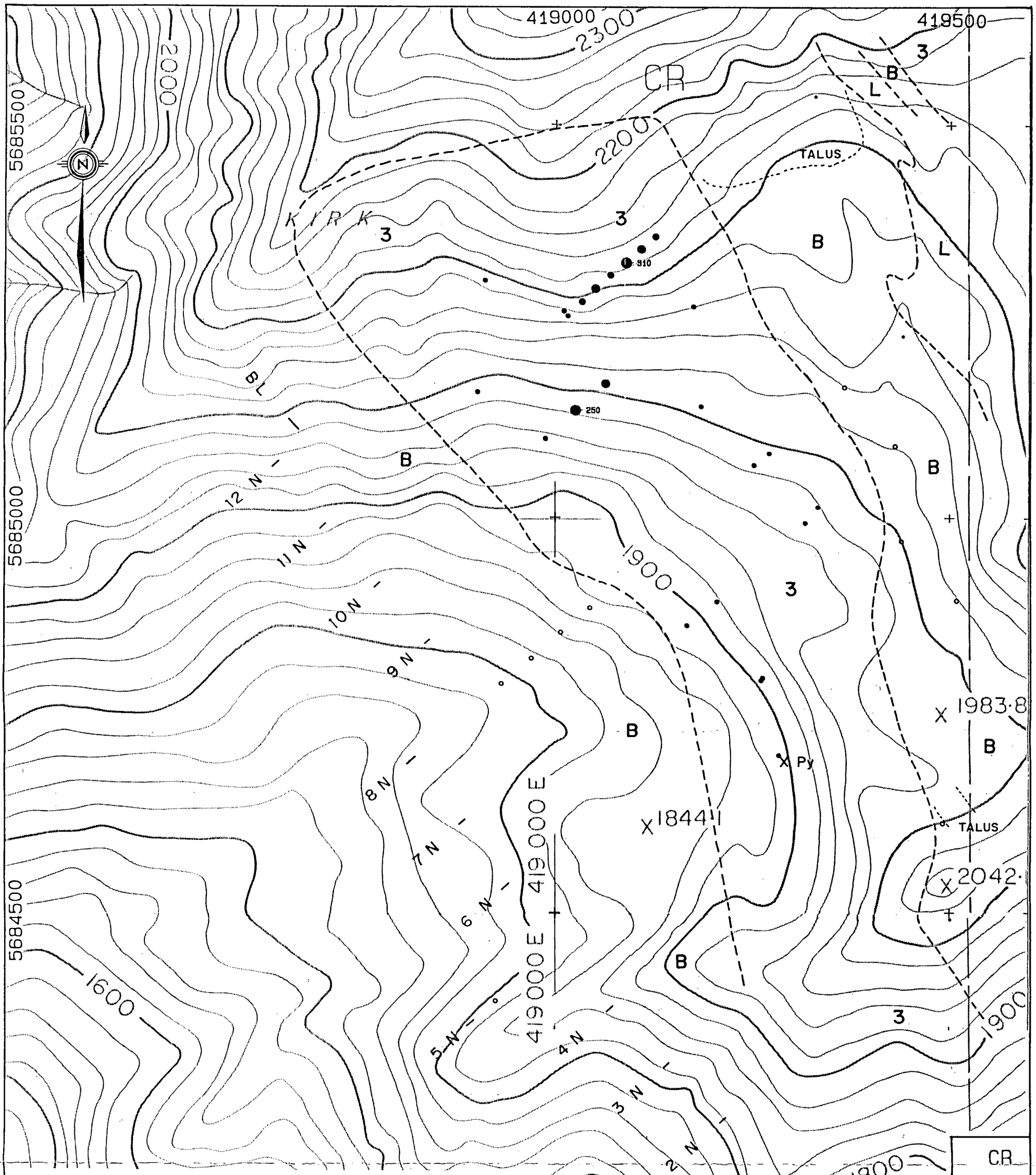
J&L PROJECT - B.C.

SOIL GEOCHEMICAL SURVEY

CHROMIUM (ppm)

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 50
REPORT NO.	NTS 82M/8E SCALE 1: 5000	

TO ACCOMPANY REPORT



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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REX PEGG BSC.

0 50 100 150 200 250 M

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BP RESOURCES CANADA LIMITED

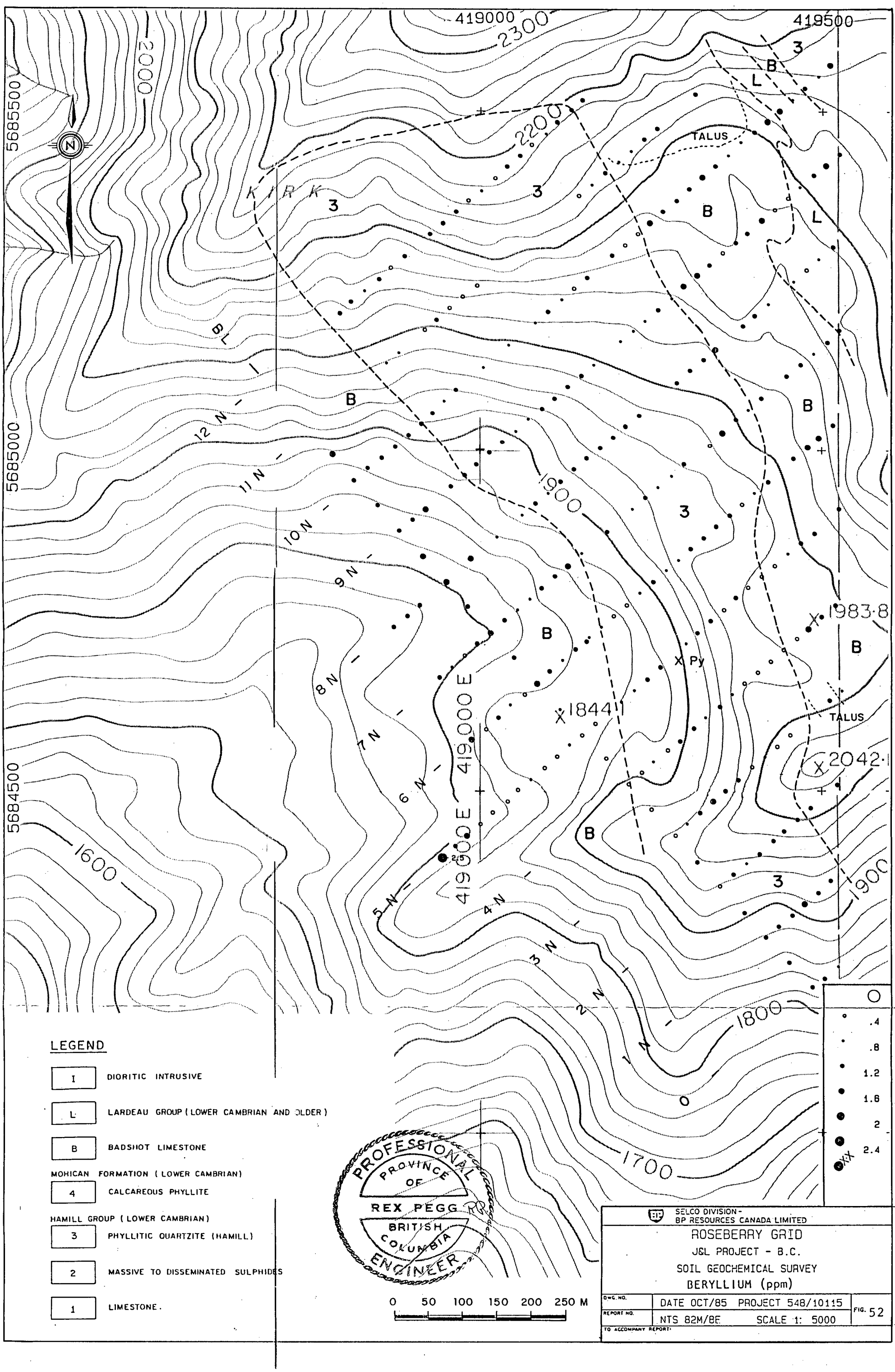
ROSEBERRY GRID

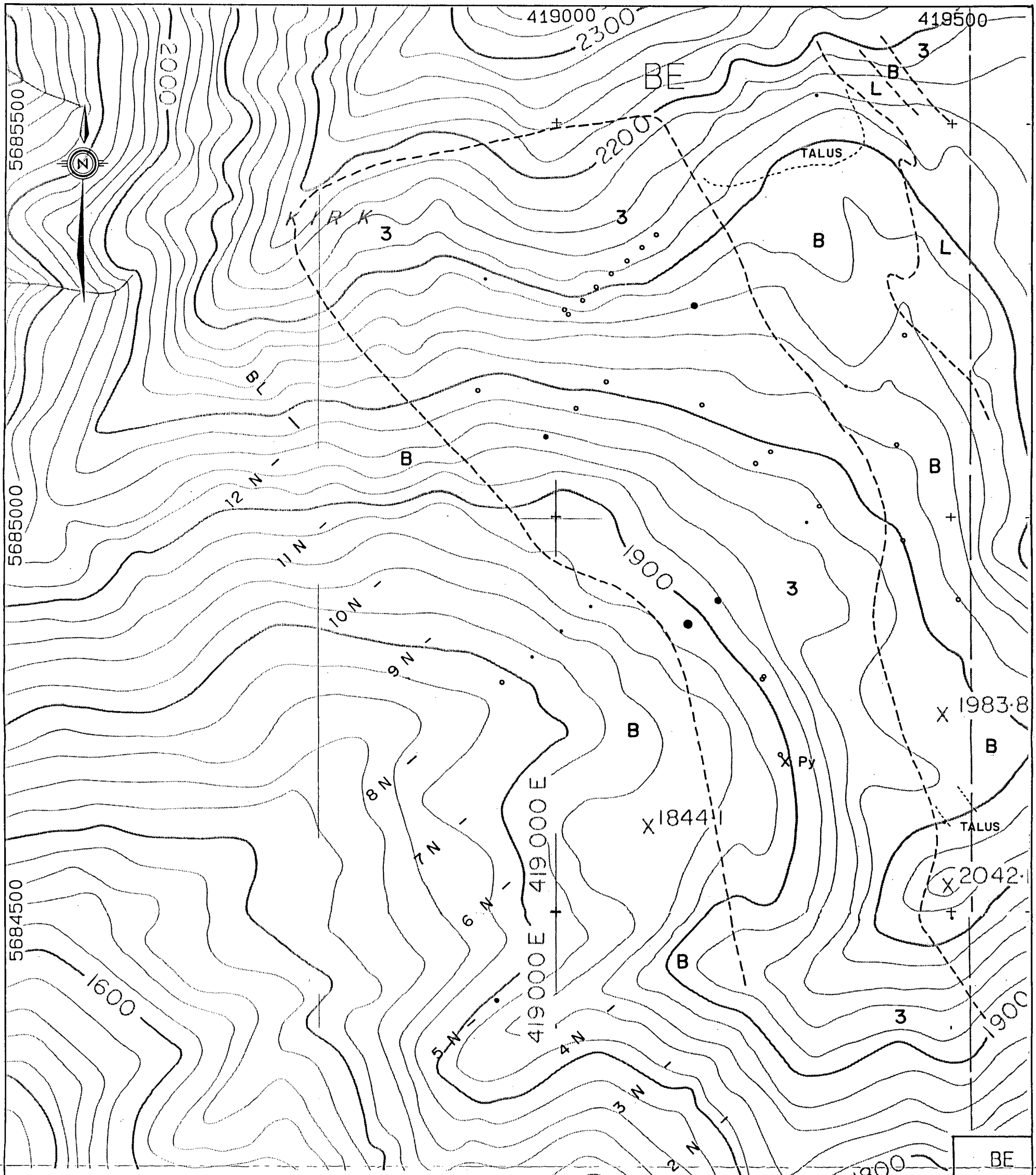
J&L PROJECT - B.C.

ROCK CHIP GEOCHEMICAL SURVEY

CHROMIUM

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 51
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		


419000
419500
2300
2200
2000
1900
1800
1700
1600
5685500
5685000
5684500
TALUS
KIRK
3
B
L
BL
12 N
11 N
10 N
9 N
8 N
7 N
6 N
5 N
4 N
3 N
2 N
1 N
0
X 1983.8
X Py
X 1844.1
X 2042.
TALUS
1900
LEGEND
I DIORITIC 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)
2 MASSIVE TO DISSEMINATED SULPHIDES
1 LIMESTONE.
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX PEGG
0 50 100 150 200 250 M
O
.4
.8
1.2
1.6
2
2.4
X.X
SELCO DIVISION - BP RESOURCES CANADA LIMITED
ROSEBERRY GRID
J&L PROJECT - B.C.
SOIL GEOCHEMICAL SURVEY
BERYLLIUM (ppm)
DWG. NO.
DATE OCT/85 PROJECT 548/10115
REPORT NO.
NTS 82M/8E SCALE 1: 5000
FIG. 52
TO ACCOMPANY REPORT:



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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REX PEGGS

0 50 100 150 200 250 M

SELCO DIVISION - BP RESOURCES CANADA LIMITED

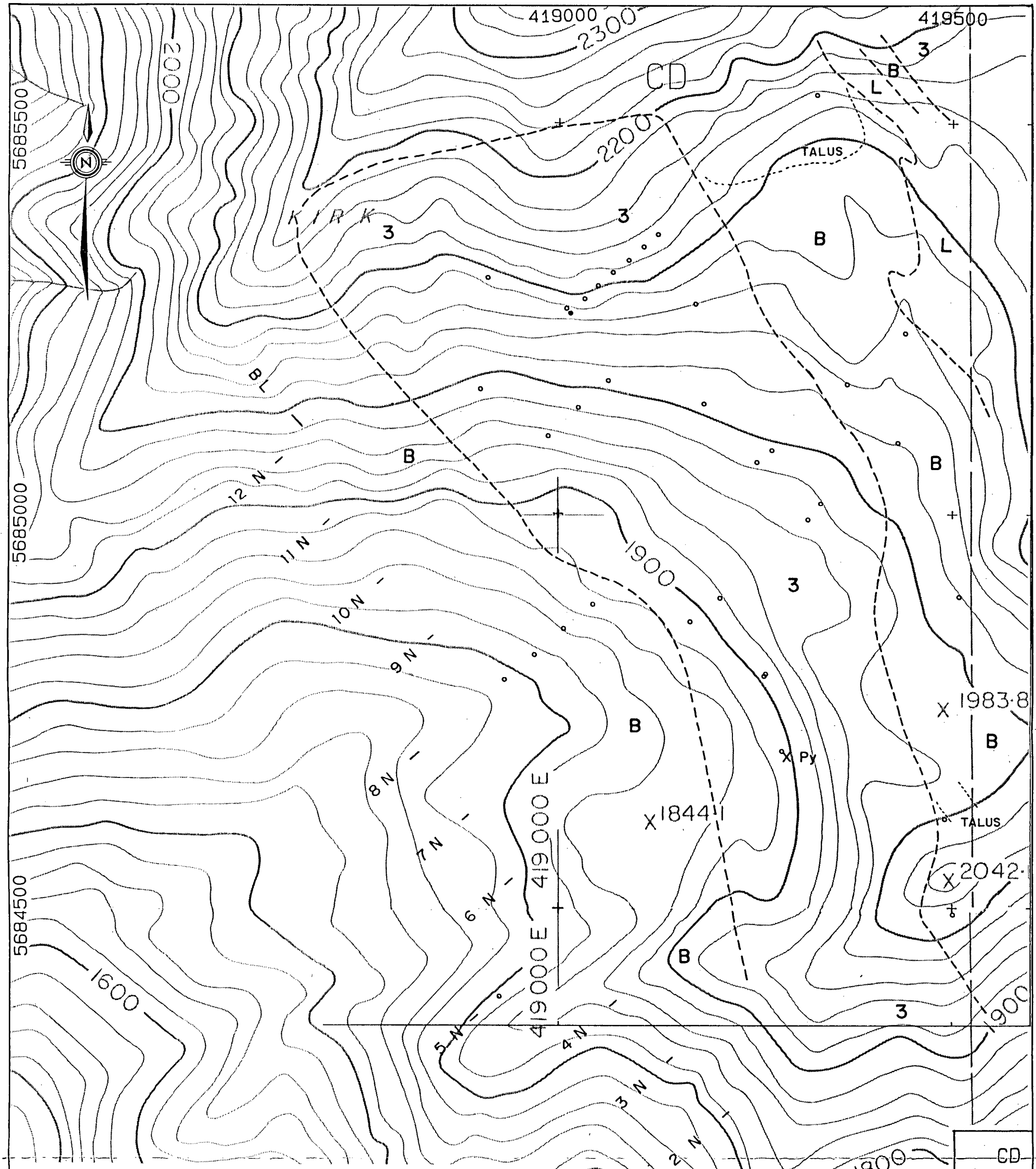
ROSEBERRY GRID

J&L PROJECT - B.C.

ROCK CHIP GEOCHEMICAL SURVEY

BERYLLIUM

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 53
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT		



LEGEND

I	DIORITIC 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)
2	MASSIVE TO DISSEMINATED SULPHIDES
1	LIMESTONE.

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PROVINCE OF BRITISH COLUMBIA
REX PEGG RP

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ROSEBERRY GRID

J&L PROJECT - B.C.

ROCK CHIP GEOCHEMICAL SURVEY

CADMIUM

DWG. NO.	DATE OCT/85 PROJECT 548/10115	FIG. 54
REPORT NO.	NTS 82M/8E SCALE 1: 5000	
TO ACCOMPANY REPORT:		

APPENDIX IV

STATEMENT OF EXPENDITURES

1. GEOCHEMICAL EXPENSES

a)	Helicopter - 13.4 hours at $450/hr.		$6030.00
	Fuel - 334.9 gals. at $2.29/gal.		766.92
	Oil - 13.4 hrs. at $1.00/hr.		13.40
	TOTAL HELICOPTER CHARGES		$6810.32
b)	Wages - R. Pegg (Project Geologist) - 20 days at $150/day		$3000.00
	- B. Baker (Assistant) - 12 days at $85/day		1020.00
	TOTAL WAGES		$4020.00
c)	Pickets - 250 at $0.40 each	TOTAL	$ 100.00
d)	Room & Board - 24 man-days at $50/day	TOTAL	$1200.00
e)	Truck Rental & Gas - 12 days at $40/day	TOTAL	$ 480.00
f)	Mobilization & Demobilization of crew	TOTAL	$ 200.00
g)	Geochemical Analysis:		
	Rock sample preparation - 50 at $2.50/each		$ 125.00
	Soil/silt sample preparation - 275 at $0.70/each		192.00
	ICP (24 element - 325 at $13.50/each		2031.25
	Au analysis - 325 at $6.25/each		4387.50
	As analysis - 325 at $3.50/each		1137.50
	Sb analysis - 325 at $3.75/each		1218.75
			$9092.50
	TOTAL ANALYSIS COST (LESS 10% DISCOUNT)		$8183.25
h)	Report (writing, compilation, drafting and printing) Costs	TOTAL	$1000.00
	TOTAL GEOCHEMICAL COSTS		$21,993.56

2. PHYSICAL WORK (DEMOBILIZATION & RECLAMATION) EXPENSES

a)	Rocbore's demobilization of their camp and the closure of the underground workings	TOTAL	$36,921.99
b)	Wages - J. Michell (Mining Engineer) - 10 days at $196/day	TOTAL	$ 1,960.00
c)	Room & Board (J. Michell) - 10 days at $70/day	TOTAL	700.00
d)	Mobilization and Demobilization (J. Michell)	TOTAL	100.00
e)	Truck Rental & Gas - 10 days at $40/day	TOTAL	400.00
f)	Grass seed and Fertilizer	TOTAL	262.54
g)	Cat Work		
	- D7G Cat - 14 hrs at $90/hr.		1,260.00
	- Swamper and saw - 14 hrs. at $22/hr.		308.00
	- Lowbed (Revelstoke to access road, return)		252.76
	TOTAL CAT WORK EXPENSES		$1820.76
h)	Report (writing, compilation, drafting, and printing) Costs	TOTAL	$ 200.00
	TOTAL PHYSICAL WORK COSTS		$42,365.29

APPENDIX V

GEOCHEMICAL RESULTS

SELECTION # 1

SAMPLE TYPE(S)	B1
BEDROCK TYPE(S)	ALL
SOIL HORIZON(S)	ALL
SAMPLE TEXTURE(S)	ALL
OVERBURDEN ORIGIN(S)	ALL
LABORATORY-SIZE FRACTION-EXTRACTION(S)	ALL
PAIR STATUS	ALL

REC#	SMPL#	UTM-E	UTM-N				MO	CU	PB	ZN	NI	U	MN	FE	AG
61	8185448A	810003	4189255684387	82M08		B	.5	9	2	4	2		88	.07	.1
214	8185448A	810001	4195015684492	82M08		B	.5	9	4	6	2		98	.18	.1
215	8185448A	810002	4192845684699	82M08		H	.5	54	270	58	17		1200	3.92	1.2
219	8185448A	810025	4195095684896	82M08		B	.5	8	2	4	1		51	.02	.4
235	8185448A	810024	4194395684971	82M08		B	.5	9	4	280	2		52	.05	.1
239	8185448A	810004	4192635684798	82M08		H	.5	59	355	34	12		121	6.57	3.2
240	8185448A	810005	4192615684795	82M08		H	.5	59	8	90	15		124	6.07	.1
242	8185448A	810007	4191675684864	82M08		H	.5	20	2	75	24		355	6.18	.1
243	8185448A	810006	4192055684894	82M08		H	.5	31	4	88	38		285	4.96	.1
247	8185448A	810011	4193175684993	82M08		H	.5	22	8	80	34		665	4.14	.1
248	8185448A	810010	4193335685015	82M08		H	5	68	6	17	14		440	3.01	.1
251	8185448A	810023	4194315685094	82M08		B	.5	8	4	5	3		57	.06	.1
254	8185448A	810008	4192715685084	82M08		H	.5	5	2	46	13		755	3.08	.1
255	8185448A	810009	4192525685069	82M08		H	.5	10	30	22	10		158	1.22	.4
256	8185448A	810021	4194405685233	82M08		B	.5	9	10	4	2		200	.11	.4
257	8185448A	810022	4193665685168	82M08		B	.5	8	2	4	2		33	.05	.1
261	8185448A	810016	4191845685143	82M08		H	.5	10	4	62	18		995	3.84	.4
274	8185448A	810026	4194915684613	82M08		B	.5	9	2	24	2		76	.09	.1
276	8185448A	810012	4190445684886	82M08		B	.5	8	4	4	2		69	.08	.1
277	8185448A	810013	4190075684855	82M08		B	.5	8	12	4	2		173	.14	.1
278	8185448A	810014	4189705684822	82M08		B	.5	8	10	6	2		60	.06	.1
279	8185448A	810015	4189325684790	82M08		B	.5	8	2	4	2		48	.06	.1
286	8185448A	810017	4191745685270	82M08		H	.5	23	2	76	20		325	5.39	.4
287	8185448A	810018	4190635685172	82M08		H	.5	10	6	14	11		177	1.03	.4
288	8185448A	810019	4190255685138	82M08		H	.5	7	8	18	7		130	1.02	.4
289	8185448A	810020	4189875685102	82M08		H	.5	46	2	88	29		585	5.77	.1
290	8185448A	810027	4193285685536	82M08		B	.5	8	12	2	.5		150	.15	.1
291	8185448A	810028	4191265685359	82M08		H	.5	11	22	26	13		105	1.53	.1
292	8185448A	810029	4191085685343	82M08		H	.5	3	18	2	4		48	.64	.1
293	8185448A	810030	4190895685326	82M08		H	1	4	22	7	10		77	.93	.1
294	8185448A	810031	4190695685310	82M08		H	.5	3	24	31	6		196	.77	.1
295	8185448A	810032	4190505685293	82M08		H	.5	9	18	28	15		315	2.48	.1
296	8185448A	810033	4190335685276	82M08		H	.5	6	16	38	9		54	1.39	.1
297	8185448A	810034	4190105685264	82M08		H	.5	8	12	40	12		315	2.65	.1
298	8185448A	810035	4190155685258	82M08		H	.5	9	14	815	5		194	4.13	.1
299	8185448A	810036	4189015685161	82M08		H	.5	24	14	47	15		555	3.48	.1
300	8185448A	810037	4189105685303	82M08		H	.5	30	14	83	21		330	5.75	.1
325	8185548A	81003BC8A	4190095685998	82M08	-	B	.5	49	10	29	33		370	4.22	.1
326	8185548A	81003DC8A	4190085686021	82M08	-	B	.5	7	14	89	4		435	.74	.1

328	8185548A	810040C8A4188895686293	82M08	-							B					.5	3	82	75	15		200	.58	.1		
329	8185548A	810042C8A4188605686398	82M08	-							L					.5	54	26	79	20		860	2.36	.4		
330	8185548A	810043C8A4188705686391	82M08	-							L					2	95	16	74	28		335	1.84	.1		
331	8185548A	810044C8A4188835686388	82M08	-							L					2	47	44	123	22		315	1.22	.1		
332	8185548A	810045C8A4189445686515	82M08	-							L					.5	30	12	82	34		755	4.91	.1		
333	8185548A	810046C8A4189605686522	82M08	-							B					.5	6	8	.5	.5		280	.13	.1		
334	8185548A	810047C8A4189795686577	82M08	-							B					3	2240	150001330		10		235	.35	6.4		
335	8185548A	810048C8A4189785686588	82M08	-							B					.5	163	300	11	2		350	.18	.1		
336	8185548A	810049C8A4189795686598	82M08	-							B					.5	70	1960	33	3		34	.16	1.2		
337	8185548A	810050C8A4189795686609	82M08	-							B					2	75	8060	3500	8		140	.39	5.2		

REC#	SMPL#	CD	AU	AU?	AS	HG	SB	SN	W	F	TH	CD	BI	V	BA	SR	SI	AL	CA	MG	NA	K	BE	GA	TI
61	810003	.5	2.5		9		.1		5			.5	1	8	5	1450		.05	41.7	.14	.03	.03	1		.003
214	810001	.5	2.5		20		.1		5			1	1	10	105	320		.13	40	1.22	.06	.06	.5		.003
215	810002	8	2.5		110		.6		5			.25	1	19	75	68		1.04	1.84	.22	.04	.34	.25		.093
219	810025	.5	2.5		2		.1		5			.5	1	6	5	275		.005	41.5	.03	.02	.02	.25		.0005
235	810024	.5	2.5		2		.1		5			1.5	1	4	5	220		.02	39.5	.07	.03	.02	.25		.0005
239	810004	4	5		25		.2		5			.25	1	46	150	139		7.07	.16	.08	7.5	.54	.25		.194
240	810005	4	2.5		6		.3		5			.25	1	123	320	86		9.01	.19	.54	7.02	1.71	.25		.272
242	810007	10	2.5		11		.7		5			.25	1	111	870	15		9.73	.04	.52	1.26	3.64	2		.403
243	810006	19	2.5		16		.4		5			.25	1	104	875	46		9.21	.28	.57	1.83	3.32	1.5		.385
247	810011	13	5		3		.1		5			.25	1	62	420	89		7.45	1.07	.83	1.37	2.7	.5		.413
248	810010	6	2.5		5		.1		5			.25	1	53	115	104		8.36	.27	.12	8.43	.41	.25		.329
251	810023	.5	5		3		.1		5			1	1	11	100	156		.05	41	.1	.04	.03	.25		.002
254	810008	7	2.5		4		.2		5			.25	1	33	225	21		3.26	.17	.43	.78	.86	.25		.198
255	810009	4	2.5		4		.1		5			.25	1	22	120	29		2.46	.04	.21	1.24	.51	.25		.111
256	810021	.5	2.5		4		.1		5			.5	1	13	20	157		.12	38.9	.14	.09	.04	.25		.006
257	810022	.5	2.5		2		.1		5			.5	1	7	5	720		.04	38.5	.09	.03	.03	.5		.002
261	810016	7	5		4		.3		5			.25	1	49	260	49		5.76	.44	.76	1.8	1.57	.25		.491
274	810026	.5	5		3		.2		5			1	1	8	25	325		.08	39.7	.68	.03	.05	.5		.002
276	810012	.5	5		4		.1		5			.5	1	6	5	1570		.11	38.6	.15	.09	.06	.5		.004
277	810013	.5	10		3		.1		5			1	1	6	5	1210		.07	38.8	.14	.05	.03	.5		.003
278	810014	.5	10		3		.1		5			1	1	7	5	1790		.05	39.2	.15	.05	.02	.5		.001
279	810015	.5	2.5		3		.1		5			1	1	6	5	350		.05	39.5	.12	.04	.03	.25		.002
286	810017	9	10		3		.2		5			.25	1	105	585	39		8.69	.36	.9	1.57	2.97	1.5		.849
287	810018	3	2.5		7		.8		5			.5	1	21	105	7		1.42	.05	.1	.34	.37	.25		.104
288	810019	.5	5		4		.4		5			.5	1	6	15	24		1.25	.15	.02	1.21	.04	.25		.013
289	810020	11	2.5		3		.2		5			.25	1	122	440	41		7.9	.17	.78	1.89	2.49	1		.998
290	810027	.5	2.5		6		.4		5			.5	1	8	65	720		.17	40.3	.19	.16	.16	.5	1	.008
291	810028	1	2.5		7		.9		5			.25	1	60	300	74		4.3	.18	.14	2.02	1.15	.25	10	.264
292	810029	.5	15		1		.9		5			.5	1	6	10	20		1.43	.14	.01	1.27	.14	.25	4	.029
293	810030	2	10		4		.8		5			.25	1	21	80	18		1.58	.04	.06	.76	.39	.25	4	.069
294	810031	2	2.5		4		.4		5			.5	1	11	75	6		1	.03	.05	.15	.35	.25	1	.054
295	810032	5	2.5		3		.4		5			.25	1	36	165	19		3.63	.1	.17	.42	1.51	.25	6	.208
296	810033	3	2.5		4		.8		5			.25	1	24	85	6		2.66	.02	.16	.2	.87	.25	4	.122
297	810034	4	2.5		7		.4		5			.25	1	52	245	41		4.76	.27	.44	.4	1.86	.25	8	.298
298	810035	.5	35		12		.5		5			3	1	17	65	44		1.2	.19	.12	.25	.38	.25	2	.097
299	810036	4	2.5		4		.5		5			.25	1	83	465	44		6.32	.39	.47	2.18	2.21	.25	9	1.33
300	810037	10	2.5		7		.4		5			.25	1	71	415	18		6.84	.03	.32	.71	2.79	.5	10	.305
325	810038	14	2.5		33		1		5			.25	1	56	275	99		8.98	.73	.3	2.93	2.49	.5	15	.311
326	810039	1	2.5		6		.2		5			.5	1	20	40	515		.77	33.1	.3	.18	.41	.25	2	.032
327	810040	.5	2.5		1		.2		5			.5	1	5	5	890		.11	37	.12	.07	.16	.25	1	.005

328	810041	2	2.5	1	.2	5	.5	1	41	480	35	2.69	.94	.26	.48	1.09	.25	3	.1
329	810042	5	2.5	1	.1	5	.25	1	99	540	385	4.76	8.34	.82	2.63	1.07	.25	9	.212
330	810043	5	2.5	1	.2	5	.25	1	96	785	87	3.47	1.42	.44	.68	1.44	.25	7	.149
331	810044	4	2.5	1	.1	5	1	1	116	735	360	2.95	7.22	.47	.63	1.29	.25	7	.118
332	810045	12	2.5	2	.5	5	.25	1	79	735	44	10.5	.14	.86	1.04	2.86	1.5	18	.308
333	810046	.5	2.5	3	.1	5	.5	1	5	5	200	.09	36.7	.11	.12	.14	.25	1	.003
334	810047	3	120	65	1500	5	7	1	11	1100	96	.3	6.65	.07	.07	.17	.25	1	.008
335	810048	.5	10	7	86	5	.5	1	9	940	455	.19	37.1	.15	.07	.18	.25	2	.006
336	810049	.5	10	9	290	5	1	1	6	140	30	.1	39.8	.02	.07	.15	.25	1	.005
337	810050	1	2.5	3	150	5	14	1	6	105	68	.06	8.67	.02	.04	.12	.25	1	.002

REC#	SMPL#	P	LA	BE	B	CR	AE5	AE6	GRIDE	GRIDN
61	810003	50				5				
214	810001	65				12				
215	810002	2350				140				
219	810025	30				5				
235	810024	25				5				
239	810004	600				140				
240	810005	520				125				
242	810007	890				115				
243	810006	750				115				
247	810011	2690				135				
248	810010	605				87				
251	810023	120				10				
254	810008	800				120				
255	810009	165				92				
256	810021	425				11				
257	810022	30				5				
261	810016	560				145				
274	810026	45				5				
276	810012	35				5				
277	810013	45				5				
278	810014	30				5				
279	810015	95				5				
286	810017	985				145				
287	810018	115				225				
288	810019	60				250				
289	810020	675				125				
290	810027	65		5		11				
291	810028	160		5		175				
292	810029	55		5		220				
293	810030	80		5		310				
294	810031	85		5		180				
295	810032	770		5		210				
296	810033	95		5		185				
297	810034	1090		5		145				
298	810035	1160		5		130				
299	810036	1030		5		115				
300	810037	410		5		140				
325	810038	330		5		115				
326	810039	4090		5		26				
327	810040	50		5		10				

328	810041	255	5	150
329	810042	1350	5	110
330	810043	805	5	145
331	810044	955	5	145
332	810045	410	5	215
333	810046	15	5	12
334	810047	75	5	140
335	810048	30	5	18
336	810049	40	5	78
337	810050	55	5	245

SELECTION # 1

SAMPLE TYPE(S)	50
BEDROCK TYPE(S)	ALL
SOIL HORIZON(S)	ALL
SAMPLE TEXTURE(S)	ALL
OVERBURDEN ORIGIN(S)	ALL
LABORATORY-SIZE FRACTION-EXTRACTION(S)	ALL
PAIR STATUS	ALL

REC#		SMPL#	UTM-E	UTM-N		MO	CU	PB	ZN	NI	U	MN	FE	AG
1	5085448A	500001	4194865684213	82M08		.5	17	24	78	16		405	4.81	.1
2	5085448A	500002	4194755684335	82M08		.5	30	26	76	21		845	5.63	.1
3	5085448A	500003	4194375684302	82M08		.5	20	20	55	11		365	4.29	.1
4	5085448A	500004	4193715684378	82M08		.5	21	20	58	10		345	4.25	.1
5	5085448A	500005	4193185684396	82M08		.5	30	26	63	17		335	4.88	.1
6	5085448A	500006	4194355684565	82M08		.5	16	104	38	3		210	2.7	1.2
7	5085448A	500007	4194175684550	82M08		.5	15	350	86	8		705	4.03	.6
8	5085448A	500008	4193785684516	82M08		.5	19	114	92	12		1030	4.06	.8
9	5085448A	500009	4193415684485	82M08		.5	22	34	83	20		1490	4.81	.1
10	5085448A	500010	4193225684468	82M08		.5	33	38	73	17		2660	5.83	.4
11	5085448A	501001	4195245684243	82M08		.5	23	28	70	14		410	4.53	.1
12	5085448A	501002	4195045684225	82M08		.5	32	28	96	28		305	4.45	.1
13	5085448A	501003	4194525684249	82M08		.5	13	14	44	12		240	3.84	.1
14	5085448A	501004	4194185684286	82M08		.5	18	16	60	13		390	4.11	.1
15	5085448A	501005	4195135684369	82M08		.5	21	60	95	19		1150	4.62	.4
16	5085448A	501006	4194955684351	82M08		.5	17	12	51	12		305	4.72	.6
17	5085448A	501007	4194575684318	82M08		.5	26	26	75	18		400	4.62	.1
18	5085448A	501008	4193875684322	82M08		.5	18	16	44	9		280	4.18	.4
19	5085448A	501009	4193515684361	82M08		.5	12	16	35	3		305	2.76	.1
20	5085448A	501010	4195235684509	82M08		.5	39	40	145	42		1870	4.74	.1
21	5085448A	501011	4194845684475	82M08		.5	47	158	180	30		1180	4.38	.4
22	5085448A	501012	4194655684458	82M08		.5	25	430	94	9		335	3.76	1
23	5085448A	501013	4194455684441	82M08		.5	27	146	194	16		645	4.29	.4
24	5085448A	501014	4194295684427	82M08		.5	24	132	137	15		375	4.89	.4
25	5085448A	501015	4194095684408	82M08		.5	24	94	145	15		2160	4.59	.1
26	5085448A	501016	4193905684394	82M08		.5	15	30	58	8		400	3.88	.4
27	5085448A	501017	4192865684435	82M08		.5	14	16	20	2		270	1.96	.4
28	5085448A	501018	4194545684582	82M08		.5	21	86	121	14		1060	3.92	.6
29	5085448A	501019	4193985684535	82M08		.5	13	62	52	7		255	3.1	.4
30	5085448A	501020	4193595684500	82M08		.5	22	164	116	16		1890	4.62	.1
31	5085448A	501021	4193035684452	82M08		.5	19	14	47	11		245	3.5	.6
32	5085448A	501022	4192515684473	82M08		.5	16	18	34	7		225	5.32	.1
33	5085448A	501023	4192185684510	82M08		.5	13	20	30	5		295	3.34	.4
34	5085448A	501024	4193875684658	82M08		.5	79	670	32	5		360	2.98	.6
35	5085448A	501025	4193695684642	82M08		.5	10	96	52	5		205	3.55	.1
36	5085448A	501026	4193515684624	82M08		.5	30	54	60	10		240	4.06	.8
37	5085448A	501027	4193305684608	82M08		.5	60	22	163	35		280	6.12	.4
38	5085448A	501029	4193135684592	82M08		.5	22	44	69	14		1040	4.9	.4
39	5085448A	501030	4192935684573	82M08		.5	22	44	77	16		580	5.3	.1
40	5085448A	501031	4192755684560	82M08		.5	14	34	61	8		395	3.61	.1

41	5085448A	501032	4192545684543	82M08	.5	16	30	49	10	440	3.46	.1
42	5085448A	501033	4192375684527	82M08	.5	16	48	60	7	280	3.59	.4
43	5085448A	501034	4191855684548	82M08	.5	5	12	17	6	184	1.6	.1
44	5085448A	501035	4193385684750	82M08	.5	24	96	58	9	149	5.39	.8
45	5085448A	501036	4193195684732	82M08	.5	34	26	76	25	1840	4.43	.4
46	5085448A	501037	4193025684716	82M08	.5	29	38	100	20	4530	4.22	.6
47	5085448A	501038	4192645684682	82M08	.5	31	46	126	23	1340	4.96	.4
48	5085448A	501039	4192455684664	82M08	.5	20	22	57	13	465	3.4	.4
49	5085448A	501040	4192265684648	82M08	.5	13	28	46	8	565	3.12	.1
50	5085448A	501041	4192075684631	82M08	.5	22	46	88	16	1150	3.93	.1
51	5085448A	501042	4191895684617	82M08	.5	19	34	50	11	400	3.73	.1
52	5085448A	501043	4191695684599	82M08	.5	13	20	25	7	245	3.62	.1
53	5085448A	501044	4189455684403	82M08	.5	52	60	160	55	1280	5.7	.1
54	5085448A	501045	4189645684420	82M08	.5	26	48	82	29	610	3.3	.4
55	5085448A	501046	4189815684435	82M08	.5	23	20	66	26	540	5.36	.1
56	5085448A	501047	4190015684452	82M08	.5	21	22	23	2	300	1.71	.1
57	5085448A	501048	4190195684470	82M08	.5	10	10	25	3	295	1.78	.1
58	5085448A	501049	4190565684502	82M08	.5	11	14	36	5	510	2.23	.1
59	5085448A	501050	4190955684534	82M08	.5	20	24	23	3	265	2.58	.1
60	5085448A	501051	4191315684568	82M08	.5	22	36	38	5	475	2.43	.1
62	5085448A	500015	4190195684469	82M08	.5	22	20	24	2	265	2.19	.1
63	5085448A	500016	4190755684517	82M08	.5	14	28	50	11	240	3.76	.1
64	5085448A	500017	4191135684551	82M08	.5	14	22	40	8	225	2.83	.1
65	5085448A	501053	4189885684576	82M08	.5	19	32	122	22	425	4.06	.1
66	5085448A	501054	4190455684627	82M08	.5	25	34	96	13	765	3.5	.4
67	5085448A	501052	4190845684658	82M08	.5	29	30	99	25	575	4.57	.1
68	5085448A	501055	4190665684642	82M08	.5	17	32	31	4	450	2.65	.4
69	5085448A	501056	4192915684839	82M08	.5	23	30	65	10	305	4.48	.1
70	5085448A	501057	4192735684824	82M08	.5	12	24	42	8	157	2.64	.1
71	5085448A	501058	4192545684807	82M08	.5	58	200	72	15	181	2.9	1.4
72	5085448A	501059	4192345684791	82M08	.5	27	90	64	12	225	4.17	.4
73	5085448A	501060	4192155684773	82M08	.5	33	144	87	10	1660	3.76	1.2
74	5085448A	501061	4191965684757	82M08	.5	17	56	57	6	450	2.74	1.2
75	5085448A	501062	4191785684741	82M08	.5	34	72	630	33	2510	4.47	.4
76	5085448A	501063	4191605684725	82M08	.5	18	28	68	12	570	4.42	.1
77	5085448A	501064	4191405684708	82M08	.5	29	44	105	19	1540	4.78	.1
78	5085448A	501065	4191215684692	82M08	.5	26	20	56	13	270	4.1	.1
79	5085448A	501066	4191025684676	82M08	.5	25	32	67	12	480	4.1	.4
80	5085448A	501067	4190505684696	82M08	.5	22	38	131	31	3030	4.26	.4
81	5085448A	501068	4190165684732	82M08	.5	29	18	144	36	710	5.41	.1
82	5085448A	501069	4189415684667	82M08	.5	20	50	133	18	975	4.14	.1
83	5085448A	501070	4189785684699	82M08	.5	13	40	156	13	920	3.33	.1
84	5085448A	501071	4192425684931	82M08	.5	25	36	83	19	660	4.73	.1
85	5085448A	501072	4192235684914	82M08	.5	25	40	113	16	1220	4.67	.4
86	5085448A	501073	4191865684881	82M08	.5	48	70	106	27	1130	5.98	.8
87	5085448A	501074	4191495684849	82M08	.5	20	34	67	13	620	4.2	.4
88	5085448A	501075	4191295684830	82M08	.5	42	54	164	45	2470	5.19	.6
89	5085448A	501076	4191105684815	82M08	.5	32	32	108	20	1080	4.87	.6
90	5085448A	501077	4190905684798	82M08	.5	50	42	110	26	730	5.47	.4
91	5085448A	501078	4190555684766	82M08	.5	20	24	87	18	305	4.14	.1
92	5085448A	501079	4189175684844	82M08	.5	22	36	109	26	1370	4.5	.4

93	5085448A	501080	4188515684919	82M08	.5	25	60	99	22	1070	4.09	.1
94	5085448A	501081	4192335685052	82M08	.5	26	32	92	23	1450	4.62	.1
95	5085448A	501082	4192135685036	82M08	.5	25	34	105	26	1550	4.8	.4
96	5085448A	501083	4191955685020	82M08	.5	23	28	111	21	1160	4.26	.4
97	5085448A	501084	4191765685003	82M08	.5	24	28	135	22	1140	4.83	.1
98	5085448A	501093	4191565684988	82M08	.5	21	28	58	11	600	4.51	.4
99	5085448A	501094	4191185684954	82M08	.5	36	30	122	32	1070	5.1	.1
100	5085448A	501095	4191005684937	82M08	.5	37	34	74	18	465	4.7	.4
101	5085448A	501096	4190625684905	82M08	.5	30	44	58	12	480	4.03	.6
102	5085448A	501097	4190255684873	82M08	.5	24	28	74	22	640	4.84	.1
103	5085448A	501098	4189875684841	82M08	.5	31	58	114	32	2120	5.3	.4
104	5085448A	501099	4189125684773	82M08	.5	30	58	148	30	1100	4.63	.4
105	5085448A	501100	4188745684741	82M08	.5	22	34	160	22	1560	3.97	.4
106	5085448A	501101	4187855684993	82M08	.5	35	72	230	34	2730	5.09	.8
107	5085448A	501102	4192055685162	82M08	.5	31	30	146	15	1850	3.15	.1
108	5085448A	501103	4191665685127	82M08	.5	27	26	83	20	1140	4.38	.4
109	5085448A	501104	4191485685111	82M08	.5	27	32	99	22	1030	4.32	.6
110	5085448A	501105	4191285685095	82M08	.5	31	40	106	24	1630	4.65	.1
111	5085448A	501106	4191095685077	82M08	.5	25	66	140	21	1190	4.91	.1
112	5085448A	501107	4190915685062	82M08	.5	42	50	109	29	1370	4.74	.4
113	5085448A	501108	4190715685046	82M08	.5	20	42	80	18	1090	4.04	.4
114	5085448A	501109	4190535685029	82M08	.5	18	44	97	16	1330	3.64	.1
115	5085448A	501110	4190335685012	82M08	.5	21	44	115	18	1360	4.3	.1
116	5085448A	501111	4190145684996	82M08	.5	27	40	115	25	1200	3.79	.4
117	5085448A	501112	4189955684979	82M08	.5	20	42	110	16	1490	4.33	.4
118	5085448A	501113	4189785684963	82M08	.5	22	46	118	14	1590	4.24	.4
119	5085448A	501114	4189585684947	82M08	.5	26	46	108	15	2090	3.89	.4
120	5085448A	501115	4189385684930	82M08								
121	5085448A	501116	4189215684913	82M08	.5	31	60	138	30	2790	4.56	.1
122	5085448A	501117	4189025684898	82M08	.5	31	32	113	21	1360	3.31	.1
123	5085448A	501118	4188575684988	82M08	.5	26	58	149	17	1980	3.96	.1
124	5085448A	501119	4188965685023	82M08	.5	22	74	133	19	1820	4.28	.1
125	5085448A	501120	4189315685055	82M08	.5	28	81	184	17	1120	4.25	.1
126	5085448A	501121	4192125685303	82M08	.5	16	40	87	12	1570	3.59	.4
127	5085448A	501122	4191565685255	82M08	.5	22	60	146	20	3060	4.53	.1
128	5085448A	501123	4191375685239	82M08	.5	20	60	156	18	2800	4.32	.4
129	5085448A	501124	4191195685223	82M08	.5	26	52	134	21	1510	4.15	.4
130	5085448A	501125	4190995685205	82M08	.5	23	44	110	23	960	4.14	.1
131	5085448A	501126	4190425685156	82M08	.5	21	104	98	16	585	4.37	.1
132	5085448A	501127	4190055685123	82M08	.5	22	46	93	18	620	4.59	.4
133	5085448A	501128	4189655685090	82M08	.5	21	64	114	16	2010	4.44	.1
134	5085448A	501129	4189485685073	82M08	.5	22	60	108	16	1900	4.27	.1
135	5085448A	501130	4195115685568	82M08	1	124	38	200	55	2000	7.48	.1
136	5085448A	501131	4194945685551	82M08	.5	28	36	73	21	1690	4.9	.1
137	5085448A	501132	4194745685534	82M08	.5	15	24	60	13	875	3.77	.1
138	5085448A	501133	4194565685517	82M08	.5	54	26	99	22	1270	4.87	.6
139	5085448A	501134	4194375685501	82M08	.5	36	38	138	46	1900	5.62	.1
140	5085448A	501135	4194195685485	82M08	.5	35	46	139	46	1590	4.82	.6
141	5085448A	501136	4194005685470	82M08	.5	45	44	129	35	1270	4.79	1
142	5085448A	501137	4193805685455	82M08	.5	44	18	35	9	485	2.58	.6
143	5085448A	501138	4193435685420	82M08	.5	29	46	83	16	905	4.06	.6

144	5085448A	501139	4193245685404	82M08	.5	62	46	130	44	1290	5.32	.6
145	5085448A	501140	4193055685386	82M08	.5	80	60	181	78	3370	9.74	.1
146	5085448A	501141	4192875685369	82M08	.5	35	32	109	29	1280	4.96	.4
147	5085448A	501142	4192485685336	82M08	.5	33	44	128	28	1270	5.01	.1
148	5085448A	501143	4192315685319	82M08	.5	32	28	64	13	520	3.17	.1
149	5085448A	501144	4194875685407	82M08	.5	42	40	143	51	4200	5.11	.8
150	5085448A	501145	4194675685389	82M08	.5	28	28	89	22	2570	5.02	.1
151	5085448A	501146	4194505685373	82M08	.5	38	24	64	10	850	3.58	.4
152	5085448A	501147	4194125685340	82M08	.5	66	30	151	32	720	4.95	.1
153	5085448A	501148	4193745685307	82M08	.5	40	38	142	23	1430	4.88	.1
154	5085448A	501149	4193355685274	82M08	.5	37	52	215	29	1370	5.1	.1
155	5085448A	501150	4192975685243	82M08	.5	45	54	183	41	1650	5.21	.4
156	5085448A	501151	4192805685225	82M08	.5	20	30	113	15	1360	3.95	.1
157	5085448A	501152	4192605685208	82M08	.5	32	40	101	25	1220	5.18	.4
158	5085448A	501153	4192245685177	82M08	.5	21	30	108	16	1330	4.57	.1
159	5085448A	501154	4195165685301	82M08	.5	73	28	215	44	2620	6.67	.1
160	5085448A	501155	4194955685283	82M08	.5	43	56	220	32	2370	6.31	.1
161	5085448A	501156	4194775685267	82M08	5	60	84	96	21	810	4.9	1
162	5085448A	501157	4194585685250	82M08	.5	66	42	169	36	1530	5.55	.1
163	5085448A	501158	4194015685200	82M08	.5	26	34	146	23	1360	4.09	.1
164	5085448A	501159	4193845685185	82M08	.5	50	52	205	39	1450	5.13	.1
165	5085448A	501160	4193445685150	82M08	.5	41	54	295	28	1910	4.42	.1
166	5085448A	501161	4193075685119	82M08	.5	58	62	193	33	1760	5.85	.1
167	5085448A	501162	4192885685101	82M08	.5	13	38	83	16	820	4.68	.1
168	5085448A	501163	4195255685179	82M08	.5	88	64	250	44	1780	6.21	.1
169	5085448A	501164	4194885685144	82M08	.5	42	24	76	15	1470	4.77	.1
170	5085448A	501165	4194495685111	82M08	.5	71	56	182	31	1860	5.57	.1
171	5085448A	501166	4194125685078	82M08	.5	47	62	220	39	1840	4.85	.1
172	5085448A	501167	4193935685061	82M08	.5	45	40	140	20	810	4.77	.1
173	5085448A	501168	4193755685046	82M08	.5	48	48	147	30	1410	5.15	.1
174	5085448A	501169	4195175685038	82M08	.5	64	44	255	37	2140	5.99	.1
175	5085448A	501170	4194595684988	82M08	6	57	62	235	35	1570	6.53	1
176	5085448A	501171	4195265684915	82M08	.5	101	32	135	40	2060	6.35	.6
177	5085448A	501172	4194905684879	82M08	.5	37	84	169	25	1010	4.1	.4
178	5085448A	501173	4194705684865	82M08	.5	40	56	174	29	845	4.53	.1
179	5085448A	501174	4194515684849	82M08	.5	31	74	195	22	1030	3.93	.1
180	5085448A	501175	4194135684815	82M08	.5	4	10	24	6	170	1.83	.1
181	5085448A	501176	4193935684799	82M08	.5	20	18	20	2	240	1.87	.8
182	5085448A	501177	4193575684766	82M08	.5	13	24	38	6	560	3.06	.1
183	5085448A	501178	4195205684773	82M08	.5	24	88	177	23	1660	3.88	.1
184	5085448A	501179	4195005684756	82M08	.5	26	92	270	25	905	4.09	.1
185	5085448A	501180	4194815684738	82M08	.5	38	60	245	36	905	5.09	.4
186	5085448A	501181	4194645684723	82M08	.5	20	22	84	9	1000	2.67	.1
187	5085448A	501182	4194445684707	82M08	.5	21	44	66	6	515	3.26	.1
188	5085448A	501183	4194065684674	82M08	.5	20	32	36	3	235	2.11	.1
189	5085448A	501184	4195295684647	82M08	.5	21	38	95	14	2060	4.04	.1
190	5085448A	501185	4194745684598	82M08								
191	5085448A	501186	4193145685525	82M08	.5	29	82	184	17	1690	2.36	.4
192	5085448A	501187	4192585685475	82M08	.5	38	40	105	38	900	4.66	.4
193	5085448A	501188	4192205685442	82M08	.5	28	42	163	21	540	3.88	.1
194	5085448A	501189	4191825685410	82M08	.5	22	40	126	18	1260	3.69	.1

195	5085448A	501190	4191445685376	82M08	.5	19	38	81	14	1000	3.66	.1
196	5085448A	501191	4189965685243	82M08	.5	14	52	89	14	1660	3.42	.1
197	5085448A	501192	4189755685227	82M08	.5	19	70	102	18	1090	3.71	.1
198	5085448A	501193	4189565685210	82M08	.5	12	80	40	9	285	2.75	.1
199	5085448A	501194	4189375685193	82M08	.5	19	68	98	16	2210	3.84	.1
200	5085448A	501195	4189205685178	82M08	.5	18	52	68	15	695	3.5	.1
201	5085448A	501196	4188825685144	82M08	.5	34	166	118	19	980	4.39	.8
202	5085448A	501197	4188645685129	82M08	.5	27	108	150	23	1880	3.85	.6
203	5085448A	501198	4187965685202	82M08	.5	22	88	114	23	1350	3.81	.1
204	5085448A	501199	4188125685219	82M08	.5	13	40	65	15	885	3.44	.1
205	5085448A	501200	4188535685252	82M08	.5	37	92	82	32	1460	5.49	.4
206	5085448A	501201	4188905685286	82M08	.5	27	124	121	18	2990	4.16	.8
207	5085448A	501202	4189275685319	82M08	.5	38	74	108	27	1830	4.95	.4
208	5085448A	501203	4189655685352	82M08	.5	26	52	97	19	1790	4.4	.1
209	5085448A	501204	4190025685383	82M08	.5	30	62	93	21	1260	4.54	.1
210	5085448A	501205	4190395685419	82M08	.5	30	100	122	26	2090	4.21	.1
211	5085448A	501206	4190755685451	82M08	.5	18	26	58	9	630	3.52	.1
212	5085448A	501207	4191125685484	82M08	.5	18	56	140	22	1520	4.41	.1
213	5085448A	501208	4191495685516	82M08	.5	24	32	92	30	580	4.21	.1
216	5085448A	500058	4194255684690	82M08	.5	32	24	70	7	1280	3.19	.6
217	5085448A	500056	4194325684831	82M08	.5	34	30	90	18	870	4.49	.1
218	5085448A	500057	4193745684784	82M08	.5	32	34	85	19	1090	5.55	.1
220	5085448A	500014	4191495684582	82M08	.5	24	26	34	6	500	3.02	.1
221	5085448A	500019	4190095684591	82M08	.5	15	28	84	7	400	3	.1
222	5085448A	500020	4190275684608	82M08	.5	22	28	101	10	600	2.84	.1
223	5085448A	500021	4189595684682	82M08	.5	14	28	74	12	440	2.98	.1
224	5085448A	500022	4189965684716	82M08	.5	28	64	173	25	475	4.38	.1
225	5085448A	500023	4190735684782	82M08	.5	37	30	56	17	230	4.08	.4
226	5085448A	500024	4190365684751	82M08	.5	43	90	200	30	425	5.36	.1
227	5085448A	500025	4189825684771	82M08	.5	30	54	205	29	985	4.65	.1
228	5085448A	500026	4189515684807	82M08	.5	46	50	158	34	2230	4.98	.1
229	5085448A	500028	4194025684938	82M08	.5	25	32	90	12	1820	4.25	.1
230	5085448A	500029	4193845684921	82M08	.5	20	24	50	9	325	3.63	.4
231	5085448A	500030	4193465684889	82M08	.5	23	36	74	14	945	4.68	.4
232	5085448A	500031	4193095684856	82M08	.5	36	62	63	9	665	3.57	.6
233	5085448A	500054	4194965685020	82M08	.5	84	62	225	73	2940	6.63	.1
234	5085448A	500055	4194805685005	82M08	.5	37	74	205	34	1940	4.86	.1
236	5085448A	501090	4194225684954	82M08	.5	24	54	151	19	1020	4.72	.6
237	5085448A	501091	4193665684905	82M08	.5	24	14	56	16	460	4.73	.6
238	5085448A	501092	4193285684872	82M08	.5	21	16	49	15	405	4.27	.4
241	5085448A	500018	4191175684620	82M08	.5	12	34	50	8	620	2.82	.1
244	5085448A	501087	4192995684980	82M08	.5	49	44	168	30	2260	5.61	.4
245	5085448A	501088	4192815684962	82M08	.5	24	22	65	13	910	3.9	.4
246	5085448A	501089	4192615684946	82M08	.5	21	18	58	15	710	4.67	.4
249	5085448A	501086	4193375685007	82M08	.5	36	36	94	24	1070	4.73	.4
250	5085448A	501085	4193555685027	82M08	.5	38	34	114	26	1140	4.77	.1
252	5085448A	500052	4195085685161	82M08	.5	87	70	270	52	2150	7.54	.1
253	5085448A	500053	4194695685128	82M08	.5	72	34	143	23	3290	6.49	.1
258	5085448A	500050	4194215685217	82M08	.5	32	36	136	19	1130	3.84	.4
259	5085448A	500051	4193275685135	82M08	.5	31	44	210	23	1750	4.45	.1
260	5085448A	500033	4190825684922	82M08	.5	43	174	142	28	2140	6.64	.1

262	5085448A	500046		4193915685321	82M08												.5	59	70	176	48		1560	5.66	.1							
263	5085448A	500047		4193555685292	82M08												.5	38	38	147	18		1760	4.32	.1							
264	5085448A	500048		4193175685259	82M08												.5	37	44	152	29		1240	4.8	.1							
265	5085448A	500045		4194315685356	82M08												.5	37	20	40	7		555	3.43	.1							
266	5085448A	500044		4195055685421	82M08												4	63	70	131	70		3550	9.27	1							
267	5085448A	500049		4192415685192	82M08												.5	32	34	102	18		1260	4.51	.4							
268	5085448A	500027		4188835684882	82M08												.5	32	58	131	26		1760	4.28	.1							
269	5085448A	500035		4188175684955	82M08												.5	29	48	90	21		1180	3.13	.4							
270	5085448A	500036		4188375684973	82M08												.5	28	48	93	21		1180	3.38	.6							
271	5085448A	500037		4188775685004	82M08												.5	27	78	151	22		1870	4.92	.4							
272	5085448A	500038		4189155685039	82M08												.5	22	58	135	17		1180	4.52	.6							
273	5085448A	500059		4195115684633	82M08												.5	26	32	115	22		820	4	.1							
275	5085448A	500032		4191385684972	82M08												.5	32	88	115	27		2080	5.14	.4							
280	5085448A	500034		4188945684757	82M08												.5	26	46	172	25		1870	4.87	.1							
281	5085448A	500041		4193625685436	82M08												.5	27	32	135	24		1460	4.54	.1							
282	5085448A	500042		4192675685353	82M08												.5	37	34	99	42		785	5.37	.1							
283	5085448A	500043		4192315685320	82M08												.5	15	24	80	10		740	3.23	.1							
284	5085448A	500039		4191935685288	82M08												.5	29	58	107	24		1500	4.73	.1							
285	5085448A	500040		4190815685189	82M08												.5	21	54	114	20		1650	4.32	.1							
301	5085448A	500060		4192395685459	82M08												.5	33	38	95	36		1010	4.35	.1							
302	5085448A	500061		4192025685426	82M08												.5	27	40	118	18		965	3.4	.1							
303	5085448A	500062		4191635685392	82M08												.5	18	28	76	16		1520	4.12	.1							
304	5085448A	500063		4188325685235	82M08												.5	21	60	83	18		1510	2.97	.1							
305	5085448A	500064		4188705685269	82M08												.5	22	74	112	19		1580	3.93	.6							
306	5085448A	500065		4189465685335	82M08												.5	25	56	102	23		2430	4.43	.1							
307	5085448A	500066		4189835685369	82M08												.5	26	78	80	22		1160	3.77	.4							
308	5085448A	500067		4190225685402	82M08												.5	27	64	87	24		1110	4.05	.1							
309	5085448A	500068		4190585685435	82M08												.5	20	52	94	20		780	3.6	.1							
310	5085448A	500069		4190965685467	82M08												.5	17	50	123	19		1450	4.03	.1							
311	5085448A	500070		4191335685502	82M08												.5	19	38	96	23		1110	4.08	.1							

REC#	SMPL#	CD	AU	AU?	AS	HG	SB	SN	W	F	TH	CD	BI	V	BA	SR	SI	AL	CA	MG	NA	K	BE	GA	TI
1	500001	4			4		.2		5			.25	1	107	625	79		10.4	.19	.92	2.02	3.21	1		.782
2	500002	6			30		.3		5			.25	1	112	575	92		11.3	.24	1	1.72	3.36	1.5		.918
3	500003	1			36		.4		5			.25	1	100	475	90		9.94	.24	.68	1.81	2.95	1		.896
4	500004	1			10		.2		5			.25	1	79	545	109		10.7	.36	.61	2.09	2.93	1		.882
5	500005	5			15		.4		5			.25	1	102	550	79		10.4	.17	.66	1.88	3	1		.822
6	500006	.5			83		.8		5			.25	1	54	465	146		8.18	.56	.44	2.26	2.27	.25		.553
7	500007	3			310		5.8		5			.25	1	86	440	86		8.22	.31	.64	1.79	2.76	.5		.61
8	500008	10			15		.6		5			.25	1	109	650	81		10.1	.2	.67	2	3.49	1		.733
9	500009	16			120		1.4		5			.25	1	104	630	70		9.96	.22	.61	1.74	3.53	1.5		.69
10	500010	9			3		.2		5			.25	1	81	550	106		9.14	.32	.56	2.04	2.9	1		.581
11	501001	5	2.5		5		.2		5			.25	1	70	600	103		9.15	.37	.75	2.06	2.57	.5		.707
12	501002	13	2.5		6		.1		5			.25	1	92	595	85		9.93	.16	.64	2.59	2.78	1		.639
13	501003	5	2.5		4		.2		5			.25	1	95	595	63		8.38	.17	.65	1.92	2.68	1		.613
14	501004	4	2.5		12		.3		5			.25	1	89	475	92		8.42	.34	.73	1.92	2.4	1		.868
15	501005	14	2.5		53		1		5			.25	1	92	525	63		8	.34	.73	1.79	2.53	1		.811
16	501006	2	2.5		32		.5		5			.25	1	111	530	63		9.5	.16	.77	1.55	2.88	1		1.02
17	501007	7	10		50		.6		5			.25	1	88	500	67		8.7	.16	.73	1.55	2.54	1		.891
18	501008	1	2.5		10		.3		5			.25	1	85	455	67		8.07	.2	.5	1.78	2.35	1		.945
19	501009	3	2.5		4		.2		5			.25	1	51	400	135		8.06	.69	.41	2.15	1.62	.25		.517
20	501010	17	2.5		15		1.8		5			.25	1	76	670	122		8.93	1.1	.74	1.47	2.16	1		.45

21	501011	11	2.5	120	41	5	.25	1	60	835	84	9	.87	.62	1.12	2.82	1	.352
22	501012	4	2.5	55	.9	5	.25	1	87	645	84	8.02	.18	.43	2.13	2.5	1	.607
23	501013	7	2.5	90	.8	5	.25	1	87	600	77	8.29	.28	.52	2.02	2.35	1	.757
24	501014	4	2.5	260	1	5	.25	1	108	580	66	9.09	.16	.62	1.94	2.8	1	.884
25	501015	9	2.5	160	1.2	5	.25	1	102	605	87	9.19	.32	.7	1.9	2.77	1	.981
26	501016	3	2.5	64	.6	5	.25	1	84	460	111	8.62	.52	.66	2.01	2.27	.5	.859
27	501017	.5	2.5	4	.2	5	.25	1	45	425	157	7.57	.76	.38	2.32	1.69	.25	.516
28	501018	14	2.5	200	6.6	5	.25	1	60	535	64	7.08	.25	.52	1.67	2.08	.25	.45
29	501019	3	2.5	30	1	5	.25	1	85	425	98	7.75	.45	.58	2.08	2.2	.25	.66
30	501020	18	2.5	300	1	5	.25	1	90	590	78	8.29	.27	.62	1.82	2.69	1	.748
31	501021	2	2.5	9	.2	5	.25	1	94	495	87	8.08	.26	.48	1.77	2.64	.5	.77
32	501022	.5	5	25	.4	5	.25	1	64	360	79	6.27	.27	.35	1.46	1.68	.25	.501
33	501023	1	2.5	17	.2	5	.25	1	57	390	198	7.32	1	.52	2.29	1.89	.25	.461
34	501024	2	2.5	100	40	5	.25	1	44	455	155	8.67	.67	.4	2.14	1.85	.25	.409
35	501025	1	5	7	.4	5	.25	1	91	565	115	8.56	.51	.54	1.95	2.82	.5	.496
36	501026	3	2.5	29	.5	5	.25	1	80	535	144	10	.48	.43	2.55	2.54	1	.504
37	501027	9	2.5	240	3	5	.25	1	60	305	111	9.05	.06	.22	5.18	1.75	.5	.189
38	501029	7	2.5	61	.5	5	.25	1	102	620	102	10.2	.35	.71	1.91	3.38	1	.752
39	501030	5	2.5	39	.5	5	.25	1	94	540	68	8.79	.17	.64	1.61	2.93	1	.767
40	501031	1	2.5	29	.3	5	.25	1	70	455	99	6.57	.43	.54	1.74	2.13	.25	.552
41	501032	3	2.5	24	.4	5	.25	1	71	480	96	7.24	.37	.5	1.79	2.37	.5	.608
42	501033	2	2.5	11	.2	5	.25	1	62	485	161	8.42	.72	.58	2.11	1.97	.25	.442
43	501034	.5	2.5	5	.2	5	.25	1	76	475	98	7.53	.32	.55	2.07	2.26	.25	.608
44	501035	.5	2.5	3200	2.4	5	.25	1	103	580	44	8.37	.04	.56	1.22	3.09	1	.442
45	501036	22	2.5	160	.4	5	.25	1	70	505	44	6.9	.24	.48	1.21	2.85	1	.602
46	501037	12	2.5	160	.3	5	.25	1	78	570	60	7.61	.21	.53	1.6	2.59	.5	.673
47	501038	21	2.5	140	1.6	5	.25	1	96	635	72	8.95	.18	.46	2.18	3.08	1	.505
48	501039	6	2.5	29	.8	5	.25	1	87	525	163	8.15	.71	.85	2.11	2.83	1	.493
49	501040	3	2.5	15	.4	5	.25	1	83	525	117	7.76	.49	.61	1.97	2.58	.5	.639
50	501041	10	2.5	41	.8	5	.25	1	70	455	118	7.74	.81	.57	1.9	2.08	.5	.528
51	501042	5	2.5	33	.6	5	.25	1	66	455	83	7.33	.32	.4	1.69	2.22	.5	.516
52	501043	.5	2.5	19	.2	5	.25	1	73	460	116	6.9	.47	.49	1.97	2.1	.25	.522
53	501044	17	2.5	35	1	5	.25	1	137	1150	123	11.9	.74	1.35	1.29	3.67	2.5	.451
54	501045	8	2.5	14	.4	5	.25	1	86	525	200	7.75	2.17	.74	1.15	2.05	1	.291
55	501046	10	2.5	9	.4	5	.25	1	90	460	119	10.4	.41	.53	2.03	3.1	1.5	.347
56	501047	.5	2.5	3	.2	5	.25	1	28	560	210	6.77	.89	.34	2.61	2.17	.25	.369
57	501048	.5	2.5	2	.2	5	.25	1	60	410	149	7.91	.71	.54	2.29	2.02	.25	.788
58	501049	3	2.5	3	.2	5	.25	1	51	470	240	7.23	1.19	.86	2.54	2.09	.25	.5
59	501050	.5	2.5	11	.3	5	.25	1	59	515	179	6.94	.73	.37	2.43	2.16	.25	.597
60	501051	1	2.5	9	.3	5	.25	1	55	550	235	7.65	1.01	.5	2.75	2.28	.5	.647
62	500015	.5		1	.2	5	.25	1	30	425	200	8.29	.79	.36	2.5	1.87	.25	.385
63	500016	2		36	.2	5	.25	1	72	485	42	7.58	.05	.48	1.64	2.75	.5	.514
64	500017	.5		14	.2	5	.25	1	93	530	86	7.87	.21	.44	1.94	2.48	.25	.661
65	501053	9	40	23	.8	5	.25	1	76	455	145	9.63	.87	.64	1.79	1.77	1.5	.528
66	501054	7	2.5	19	.6	5	.25	1	73	495	115	8.94	.49	.5	1.92	2.3	.5	.42
67	501052	8	2.5	27	.8	5	.25	1	105	635	81	9.93	.39	.61	1.69	3.21	1.5	.444
68	501055	1	2.5	14	.2	5	.25	1	47	450	199	8.49	.94	.5	2.36	2.26	.25	.422
69	501056	1	2.5	65	.6	5	.25	1	94	540	109	8.33	.4	.51	1.98	2.58	.5	.704
70	501057	.5	2.5	30	.6	5	.25	1	95	495	57	8.48	.15	.5	1.59	2.79	.5	.759
71	501058	3	5	24	.3	5	.25	1	86	435	57	7.93	.19	.38	1.31	2.65	1	.425
72	501059	3	2.5	24	.2	5	.25	1	92	410	76	8.32	.22	.46	1.96	2.71	.5	.498

73	501060	7	2.5	200	.4	5	.25	1	51	410	117	7.84	.5	.41	1.83	2.04	.25	.408
74	501061	3	2.5	25	.4	5	.25	1	66	400	170	7.83	.79	.64	2.48	2.12	.25	.412
75	501062	14	2.5	420	.6	5	1	1	68	425	126	8.13	.96	.63	1.72	2.17	.5	.481
76	501063	5	2.5	46	.5	5	.25	1	80	460	88	7.72	.38	.44	2.15	2.3	.5	.628
77	501064	13	2.5	90	.6	5	.25	1	80	525	85	8.25	.27	.54	1.91	2.6	1	.568
78	501065	5	2.5	22	.6	5	.25	1	88	450	76	8.25	.19	.45	2.39	2.36	.5	.646
79	501066	6	2.5	30	.4	5	.25	1	80	530	88	8.19	.31	.53	1.85	2.48	1	.612
80	501067	12	2.5	100	.4	5	.25	1	75	525	129	8.07	.83	.76	1.7	2.5	1	.513
81	501068	15	2.5	75	.3	5	.25	1	70	440	73	9.3	.4	.65	1.19	3.26	1.5	.323
82	501069	10	2.5	29	1	5	.25	1	69	445	127	8.23	.73	.66	1.76	1.66	1	.459
83	501070	7	2.5	30	.5	5	.25	1	61	425	152	7.09	1.09	.61	1.71	1.42	.25	.406
84	501071	8	2.5	19	.6	5	.25	1	95	600	69	8.37	.19	.7	1.59	2.55	1	.611
85	501072	11	2.5	16	.6	5	.25	1	81	535	109	7.42	.47	.58	1.86	2.29	.5	.596
86	501073	20	2.5	130	.7	5	.25	1	84	485	58	7.32	.17	.46	1.84	2.46	1	.478
87	501074	5	2.5	12	.4	5	.25	1	80	520	90	7.44	.32	.48	2.14	2.34	.5	.528
88	501075	16	2.5	30	1.6	5	.25	1	102	715	103	9.63	.62	.75	1.61	2.98	1.5	.556
89	501076	9	2.5	19	.6	5	.25	1	90	600	128	9.47	.48	.63	2.17	2.68	1	.623
90	501077	12	2.5	35	.7	5	.25	1	104	675	88	9.72	.25	.72	1.91	2.9	1	.63
91	501078	4	2.5	39	.6	5	.25	1	90	455	84	8.29	.28	.66	1.83	2.38	.5	.517
92	501079	11	2.5	16	2	5	.25	1	97	475	147	9.43	.65	.82	1.54	2.92	1.5	.417
93	501080	13	2.5	50	1	5	.25	1	65	430	73	7.02	.35	.49	1.72	2	1	.457
94	501081	13	2.5	9	.5	5	.25	1	71	450	84	6.64	.29	.64	1.68	2.14	1	.5
95	501082	16	2.5	7	.4	5	.25	1	70	475	74	7.44	.25	.68	1.61	2.33	1	.543
96	501083	9	2.5	7	.4	5	.25	1	70	440	140	7.78	.82	.72	1.83	2.08	1	.47
97	501084	11	2.5	10	.4	5	.25	1	86	540	89	7.85	.48	.76	1.57	2.43	1	.613
98	501093	6	5	12	.4	5	.25	1	89	570	93	8.56	.3	.62	1.79	2.53	1	.55
99	501094	18	10	23	.6	5	.25	1	80	475	64	7.57	.33	.78	1.4	2.37	1	.498
100	501095	7	2.5	20	.8	5	.25	1	78	500	78	7.7	.21	.42	1.85	2.32	.5	.551
101	501096	5	2.5	10	.3	5	.25	1	74	435	92	6.96	.27	.39	2.19	1.9	.5	.437
102	501097	9	2.5	19	1.4	5	.25	1	62	355	63	6.85	.2	.45	1.89	2.09	.5	.376
103	501098	14	2.5	22	1	5	.25	1	84	465	115	9.01	.93	.7	1.57	2.56	1.5	.439
104	501099	11	2.5	30	1	5	.25	1	84	545	147	8.22	1.19	.7	1.5	2.05	1	.462
105	501100	10	2.5	39	1.5	5	.25	1	81	490	95	7.27	.49	.65	1.37	2.09	1	.349
106	501101	12	2.5	14	.9	5	.25	1	133	540	115	8.66	1.49	.76	1.55	2.57	1.5	.365
107	501102	7	2.5	24	.8	5	.25	1	50	375	190	6.04	4.69	.94	1.67	1.12	.5	.308
108	501103	14	5	15	.3	5	.25	1	78	380	122	7.76	.97	.58	2.27	1.99	.5	.371
109	501104	15	2.5	10	.2	5	.25	1	81	395	117	7.94	1.33	.61	1.8	2.13	1	.501
110	501105	17	2.5	16	.3	5	.25	1	78	445	106	7.9	.86	.57	1.86	2.3	1	.459
111	501106	14	2.5	17	.6	5	.25	1	86	465	119	8.58	.54	.7	1.97	2.35	1	.563
112	501107	13	10	23	.6	5	.25	1	75	510	93	6.9	.7	.57	1.63	1.88	1	.475
113	501108	11	2.5	20	.4	5	.25	1	70	435	69	6.48	.27	.44	1.67	2.05	.5	.533
114	501109	11	5	27	.6	5	.25	1	63	370	94	6.12	.43	.54	1.71	1.83	.5	.449
115	501110	12	2.5	30	.5	5	.25	1	73	415	87	7.19	.53	.58	1.72	2.21	1	.494
116	501111	11	5	16	.5	5	.25	1	66	405	100	6.83	1.09	.57	1.67	2.07	1	.498
117	501112	12	2.5	22	.3	5	.25	1	84	500	94	7.5	.48	.61	1.91	2.38	1	.586
118	501113	11	2.5	22	.4	5	.25	1	80	510	111	7.98	.47	.58	2.1	2.33	1	.609
119	501114	13	2.5	22	.4	5	.25	1	63	455	124	7.75	.63	.5	2.03	1.95	1	.473
120	501115		2.5	32	.6													
121	501116	14	5	33	1	5	.25	1	83	575	88	8.22	1.25	.68	1.61	2.28	1.5	.484
122	501117	9	5	24	.8	5	.25	1	61	380	142	6.02	10.2	.47	1.43	1.86	1	.404
123	501118	12	2.5	35	.8	5	.25	1	61	460	124	8.08	.87	.58	1.93	1.92	1	.43

124	501119	14	5	51	.7	5	.25	1	70	540	116	7.85	.94	.55	2.04	2.29	1	.462
125	501120	11	2.5	35	.4	5	.25	1	88	610	92	9.13	.53	.62	2.16	3.04	1	.601
126	501121	10	2.5	6	.3	5	.25	1	74	495	180	7.92	.83	.89	2.18	2.4	.25	.458
127	501122	27	2.5	5	.2	5	.25	1	74	550	84	7.96	.34	.55	1.81	2.8	1	.411
128	501123	16	2.5	11	.4	5	.25	1	67	515	98	7.64	.44	.58	1.87	2.37	.25	.432
129	501124	13	2.5	14	.6	5	.25	1	66	500	101	8.41	.45	.54	1.94	2.15	.5	.477
130	501125	13	2.5	11	.4	5	.25	1	71	455	82	8.19	.4	.54	1.56	2.46	1	.444
131	501126	7	2.5	15	.8	5	.25	1	73	560	89	8.15	.34	.49	2.1	2.75	.5	.535
132	501127	9	2.5	39	.4	5	.25	1	89	570	66	8.46	.17	.46	2.12	2.87	.5	.612
133	501128	20	2.5	39	.2	5	.25	1	89	690	73	8.15	.35	.54	2	2.79	1	.775
134	501129	18	2.5	16	.4	5	.25	1	68	605	87	7.74	.4	.56	2.13	2.69	.5	.571
135	501130	22	2.5	19	.6	5	.25	1	151	2320	70	8.96	.15	.95	1.79	2.84	1.5	.464
136	501131	23	2.5	7	.3	5	.25	1	85	775	72	8.2	.31	.52	1.51	2.77	.5	.326
137	501132	10	2.5	5	.2	5	.25	1	90	750	61	8.19	.22	.7	1.77	2.62	1	.366
138	501133	10	2.5	14	.4	5	.25	1	105	1060	85	7.92	.25	.66	1.71	2.2	.5	.386
139	501134	28	2.5	10	.2	5	.25	1	82	820	119	10.6	.2	.89	1.42	3.06	1.5	.458
140	501135	21	2.5	11	.4	5	.25	1	91	765	117	9.5	.39	.84	1.25	2.58	1.5	.401
141	501136	14	2.5	10	.5	5	.25	1	98	770	120	8.23	.33	.66	1.42	2.21	1	.38
142	501137	6	2.5	5	.2	5	.25	1	28	400	191	9.24	.82	.35	2.37	1.4	.5	.365
143	501138	8	2.5	11	.4	5	.25	1	71	565	126	8.77	.5	.51	1.86	1.69	1	.391
144	501139	16	2.5	15	.8	5	.25	1	114	1020	120	9.17	.62	.78	1.77	2.64	1.5	.492
145	501140	34	2.5	3	.3	5	.25	1	54	500	85	8.54	.48	.41	1.6	3.2	1	.326
146	501141	18	2.5	4	.4	5	.25	1	63	470	123	9.36	.52	.86	1.88	2.58	1	.398
147	501142	14	2.5	10	.6	5	.25	1	80	620	102	9.29	.55	.74	1.92	2.88	1.5	.587
148	501143	6	2.5	6	.2	5	.25	1	90	830	119	9.52	.46	.66	1.94	2.78	1	.552
149	501144	34	2.5	10	.3	5	.25	1	65	690	133	10.2	.22	.92	1.2	3	1	.437
150	501145	16	2.5	9	.3	5	.25	1	81	560	176	8.71	.58	.89	1.91	2.7	.5	.438
151	501146	5	2.5	6	.4	5	.25	1	52	500	187	9.23	.81	.54	2.33	2.05	.25	.413
152	501147	11	2.5	11	.6	5	.25	1	108	995	133	10.4	.47	.75	1.91	2.95	1.5	.491
153	501148	12	2.5	9	.4	5	.25	1	88	715	136	10.1	.51	.73	1.99	2.6	1	.488
154	501149	12	2.5	10	.4	5	.25	1	84	680	132	9.79	.61	.87	1.89	2.44	1	.488
155	501150	13	2.5	14	1.2	5	.25	1	91	805	143	9.88	1.55	.86	1.61	3.02	1.5	.481
156	501151	11	2.5	5	.2	5	.25	1	66	495	169	8.47	.76	.85	2.12	2.45	.5	.429
157	501152	17	2.5	7	.3	5	.25	1	73	530	78	9.09	.22	.8	1.76	3.03	1	.544
158	501153	10	2.5	7	.3	5	.25	1	72	555	103	8.06	.4	.72	2.01	2.55	.5	.544
159	501154	38	2.5	5	.2	5	.25	1	117	470	128	9.49	.49	.56	1.64	2.62	1	.415
160	501155	16	2.5	15	.4	5	.25	1	102	700	103	7.63	.42	.52	1.62	2.21	.5	.341
161	501156	9	2.5	9	.3	5	.5	17	68	490	90	6.58	.33	.32	1.6	1.79	.25	.292
162	501157	14	2.5	10	.4	5	.25	10	82	660	102	7.11	.55	.65	1.58	2.15	.5	.334
163	501158	10	2.5	9	.3	5	.25	1	80	605	128	8.99	.67	1	1.74	2.25	1	.398
164	501159	14	2.5	14	.8	5	.25	1	82	650	111	8.54	.56	.76	1.55	2.25	1	.422
165	501160	11	2.5	10	.8	5	1	1	63	635	175	9.26	1.69	.83	1.69	1.92	1.5	.442
166	501161	18	2.5	19	1	5	.25	1	82	685	76	7.65	.28	.64	1.52	2.45	1	.362
167	501162	12	2.5	9	.2	5	.25	1	75	530	127	7.79	.74	.76	1.71	2.19	1	.423
168	501163	16	2.5	22	.4	5	.25	1	106	820	118	8.84	.45	.58	1.43	2.4	1	.315
169	501164	9	2.5	11	.5	5	.25	1	68	545	117	7.26	.4	.51	1.51	2.08	.5	.327
170	501165	17	2.5	22	1	5	.25	1	81	600	100	8.46	.48	.52	1.63	2.17	1	.351
171	501166	13	2.5	16	1.1	5	.5	1	88	650	100	8.48	.75	.68	1.49	2.26	1	.409
172	501167	8	2.5	14	.6	5	.25	1	78	575	116	8.92	.46	.53	1.73	2.12	.5	.389
173	501168	15	2.5	20	.6	5	.25	1	89	695	100	8.9	.38	.67	1.73	2.53	1	.443
174	501169	13	5	24	.7	5	.25	1	85	600	136	8.53	.75	.54	1.56	1.99	1	.374

175	501170	10	60	17	1.1	5	.25	1	149	485	105	8.23	.95	.65	1.35	1.87	1	.351
176	501171	17	2.5	22	.9	5	.25	1	126	745	90	9.05	.15	.34	1.05	2.68	1	.371
177	501172	9	2.5	11	.9	5	.25	1	61	685	153	9.52	1.31	.51	1.65	1.64	1	.387
178	501173	10	2.5	12	.8	5	.25	1	75	590	133	8.77	.72	.66	1.71	1.81	1	.399
179	501174	9	2.5	10	.7	5	.25	1	60	470	133	8.02	.79	.61	1.58	1.47	.5	.361
180	501175	2	2.5	2	.1	5	.25	1	44	525	46	7.05	.19	.41	1.85	2.06	.25	.386
181	501176	.5	2.5	7	.2	5	.25	1	30	430	183	7.94	.78	.31	2.37	1.7	.25	.364
182	501177	.5	2.5	45	.3	5	.25	1	77	475	124	8.35	.53	.59	2.12	2.29	.25	.731
183	501178	10	2.5	30	.6	5	.25	1	59	470	132	8.6	1.2	.74	1.54	1.77	1	.405
184	501179	10	2.5	23	1	5	.25	1	68	705	107	8.5	1.03	.7	1.62	2.15	1	.437
185	501180	14	2.5	29	4.8	5	.25	1	85	890	81	9.83	.74	.71	1.45	2.78	1.5	.424
186	501181	5	5	10	.6	5	.25	1	47	435	168	8.41	.86	.48	2.15	1.54	.25	.375
187	501182	1	2.5	11	.6	5	.25	1	61	475	185	7.88	.73	.42	2.27	2.09	.25	.523
188	501183	.5	10	7	.3	5	.25	1	49	445	166	8.06	.67	.45	2.23	2.24	.25	.584
189	501184	9	2.5	14	.7	5	.25	1	74	485	139	8.17	.48	.58	1.83	2.32	.5	.454
190	501185		5	4	.4													
191	501186	6	5	17	.8	5	1	1	39	415	340	3.79	19.1	2.69	.76	1.47	1	.174
192	501187	14	2.5	20	3	5	.25	1	77	435	189	8.69	4.6	.7	1.07	2.91	1	.346
193	501188	8	2.5	6	.7	5	.25	1	80	500	205	8.77	1.85	1.11	2.01	2.47	.5	.448
194	501189	13	2.5	7	.4	5	.25	1	73	485	91	7.94	.4	.61	1.75	2.13	1	.58
195	501190	9	5	9	.4	5	.25	1	68	405	92	6.94	.37	.5	1.78	2	.25	.502
196	501191	15	2.5	30	.2	5	.25	1	64	385	77	6.41	.3	.5	1.45	2.11	.25	.399
197	501192	9	5	100	1.4	5	.25	1	63	465	72	6.49	.24	.37	1.76	2.13	.25	.379
198	501193	2	2.5	10	.4	5	.25	1	79	515	77	7.81	.26	.51	2.15	2.5	.25	.723
199	501194	15	2.5	27	.3	5	.25	1	67	515	78	7.29	.33	.47	1.9	2.47	1	.526
200	501195	8	2.5	32	.2	5	.25	1	71	475	85	7.95	.42	.46	2.27	2.17	.25	.507
201	501196	18	2.5	100	1	5	.25	1	67	485	51	7.01	.17	.39	1.86	2.41	.5	.42
202	501197	12	2.5	200	2.2	5	.25	1	57	485	113	7.39	2.26	.48	1.74	2.22	.5	.311
203	501198	12	2.5	41	1	5	.25	1	69	510	92	8.11	.6	.53	1.85	2.51	1	.385
204	501199	9	2.5	32	.4	5	.25	1	48	600	67	6.76	.38	.45	1.84	1.66	1	.302
205	501200	28	75	1100	1.6	5	.25	1	70	730	70	7.78	.22	.5	1.69	2.89	1	.814
206	501201	18	2.5	24	.4	5	.25	1	95	705	71	8.85	.21	.48	2.21	2.43	1	.762
207	501202	20	10	17	.4	5	.25	1	99	525	91	9.82	.2	.53	2.36	1.26	1	.649
208	501203	16	5	7	.2	5	.25	1	84	495	85	8.67	.31	.52	2.09	2.31	1	.599
209	501204	15	40	11	.4	5	.25	1	92	535	70	8.68	.17	.46	2.44	2.51	.5	.64
210	501205	19	10	22	1	5	.25	1	72	545	79	8.47	.34	.53	1.99	2.28	1	.489
211	501206	6	5	6	.2	5	.25	1	57	395	137	7.45	.64	.56	2.03	1.73	.25	.473
212	501207	12	2.5	10	.6	5	.25	1	67	560	94	8.26	.37	.58	2.01	2.57	1	.454
213	501208	12	2.5	24	.6	5	.25	1	77	465	89	9.5	.64	.62	1.38	2.92	1	.435
216	500058	7		7	1	5	.25	1	52	515	183	9.6	.76	.48	2.41	1.97	.25	.464
217	500056	9		10	.6	5	.25	1	64	505	129	8.46	.53	.49	1.95	2.23	.25	.371
218	500057	6		9	.3	5	.25	1	92	505	71	8.89	.21	.97	1.84	2.76	1	.759
220	500014	1		7	.3	5	.25	1	44	470	175	8.21	.66	.36	2.42	2.29	.25	.452
221	500019	4		6	.4	5	.25	1	40	330	157	8.86	.73	.42	2.09	1.28	.25	.371
222	500020	5		9	.2	5	.25	1	44	375	134	8.99	.6	.39	1.95	1.43	1	.358
223	500021	5		11	.4	5	.25	1	71	380	210	8.45	1.42	.6	2.05	1.69	.5	.451
224	500022	10		83	.6	5	.25	1	85	500	90	9.3	.38	.61	1.62	2.28	1	.485
225	500023	6		11	.4	5	.25	1	59	410	98	9.27	.3	.36	2.23	2.3	.5	.374
226	500024	8		180	1	5	.25	1	86	535	72	7.72	.23	.49	1.68	2.4	1	.486
227	500025	13		27	1.2	5	.25	1	70	500	98	8.5	.62	.51	1.5	1.95	1	.433
228	500026	13		33	1	5	.25	1	94	630	113	9.53	.56	.77	1.62	2.33	1.5	.49

REC#	SMPL#	P	LA	GE	B	CR	AE5	AE6	GRIDE	GRIDN												
229	500028	9			7	.4		5	.25	1	73	475	143	7.81	.52	.67	2.25	2.17	.5	.45
230	500029	2			7	.3		5	.25	1	78	505	127	7.94	.48	.46	2.21	2.28	.25	.52
231	500030	8			7	.4		5	.25	1	85	515	94	8.22	.33	.54	1.93	2.51	1	.581
232	500031	9			100	.3		5	.25	1	57	510	172	9.63	.7	.52	2.34	2.32	1	.492
233	500054	20			30	1.4		5	.5	1	92	715	92	9.05	.75	.62	1.3	2.72	1.5	.358
234	500055	11			11	1.5		5	.5	1	96	615	120	8.84	1	.79	1.52	2.22	1.5	.413
236	501090	12	2.5		9	.4		5	.25	1	66	435	90	7.54	.3	.61	1.61	2.3	1	.383
237	501091	8	10		9	.4		5	.25	1	84	605	74	7.83	.31	.45	1.47	2.66	1	.424
238	501092	7	5		16	.3		5	.25	1	75	545	66	7.01	.28	.41	1.29	2.53	1	.359
241	500018	2			15	.4		5	.25	1	80	490	106	7.95	.4	.61	1.97	2.55	.5	.625
244	501087	17	2.5		15	.6		5	.25	1	92	630	96	7.24	.36	.6	1.64	2.17	1	.383
245	501088	8	2.5		7	.5		5	.25	1	70	465	107	7.03	.44	.56	1.78	1.94	.5	.461
246	501089	6	2.5		10	.4		5	.25	1	88	540	80	7.67	.25	.66	1.65	2.26	.5	.649
249	501086	15	2.5		10	.6		5	.25	1	72	465	77	7.16	.22	.44	2.13	1.93	.25	.488
250	501085	15	2.5		10	.6		5	.25	1	87	620	76	7.76	.25	.64	1.58	2.37	1.5	.501
252	500052	20			17	1.4		5	.25	1	88	680	157	8.99	.54	.5	1.51	2.25	1	.357
253	500053	15			14	.8		5	.25	1	73	560	107	7.32	.36	.51	1.48	2.05	1	.345
258	500050	9			10	.4		5	.25	1	67	560	120	8.26	.51	.58	1.8	1.94	.5	.368
259	500051	11			7	.6		5	.5	1	68	575	126	8.81	.77	.67	1.78	2.13	1	.427
260	500033	24			16	.6		5	.25	1	63	450	48	6.93	.2	.52	1.92	2.25	1	.43
262	500046	20			22	1.2		5	.25	1	95	730	107	9.03	.66	.68	1.61	2.48	1	.409
263	500047	11			9	.4		5	.25	1	65	595	134	8.71	.56	.64	1.95	2.1	.25	.413
264	500048	13			11	.7		5	.25	1	96	840	96	9.77	.29	.79	1.83	2.83	1.5	.49
265	500045	4			11	.2		5	.25	1	38	480	210	9.09	.85	.49	2.48	2	.25	.414
266	500044	22			23	.4		5	.25	1	88	745	149	10	.25	.35	1.37	2.97	1.5	.295
267	500049	12			9	.6		5	.25	1	68	550	98	7.97	.36	.52	1.9	2.27	.5	.489
268	500027	14			29	.9		5	.25	1	75	495	91	7.87	.68	.62	1.83	2.32	1	.499
269	500035	8			30	1.6		5	1	1	54	380	171	5.67	12.8	.56	1.28	2.02	1	.32
270	500036	9			25	1.6		5	.5	1	55	430	270	7.33	8	.63	1.51	1.99	1	.37
271	500037	16			50	1.2		5	.25	1	74	600	95	8.76	.57	.66	2.02	2.82	1	.535
272	500038	11			33	.6		5	.25	1	69	525	149	8.91	.93	.82	2.19	2.48	1	.496
273	500059	7			9	.6		5	.25	1	78	645	184	10.7	1.19	.58	2.16	2.23	1	.479
275	500032	20			14	.5		5	.25	1	74	515	91	7.67	.46	.64	1.81	2.28	1	.596
280	500034	13			23	.8		5	.25	1	88	565	109	8.46	.73	.81	1.81	2.33	1	.522
281	500041	17			9	.6		5	.25	1	72	625	117	8.43	.38	.64	1.68	2.18	.5	.394
282	500042	19			6	.4		5	.25	1	76	615	57	8.94	.26	.91	1.69	3.13	1	.562
283	500043	8			5	.4		5	.25	1	54	355	149	7.07	.76	.74	1.92	1.66	.25	.412
284	500039	17			11	.6		5	.25	1	73	550	72	8.14	.21	.54	1.83	2.9	1	.523
285	500040	15			11	.6		5	.25	1	66	480	111	7.78	.52	.67	1.88	2.47	.5	.449
301	500060	14						5	.25	1	74	425	136	8.23	3.43	.71	1.08	2.66	1	.298
302	500061	8						5	.25	1	54	430	173	8.85	1.29	.72	1.95	1.72	.5	.402
303	500062	15						5	.25	1	91	430	59	7.72	.19	.68	1.56	2.32	.5	.64
304	500063	10						5	.25	1	51	455	335	6.28	5.92	.48	1.43	1.95	.5	.309
305	500064	15						5	.25	1	72	535	72	7.76	.28	.46	2.15	2.32	.25	.541
306	500065	19						5	.25	1	88	500	69	8.06	.23	.53	2	2.42	1	.56
307	500066	15						5	.25	1	68	470	58	6.93	.18	.39	2.13	2.22	.25	.489
308	500067	16						5	.25	1	76	490	56	7.31	.18	.5	1.97	2.23	.25	.67
309	500068	11						5	.25	1	67	480	81	7.23	.32	.47	1.93	2.06	1	.472
310	500069	11						5	.25	1	66	485	102	8.4	.39	.54	2	2.3	.5	.465
311	500070	12						5	.25	1	69	555	105	9.2	.54	.72	2.04	2.73	1	.475

1	500001	645	98
2	500002	600	100
3	500003	820	83
4	500004	2190	72
5	500005	590	87
6	500006	625	42
7	500007	860	67
8	500008	900	90
9	500009	1950	97
10	500010	2680	74
11	501001	795	80
12	501002	610	96
13	501003	475	94
14	501004	655	78
15	501005	800	83
16	501006	540	105
17	501007	765	87
18	501008	860	73
19	501009	1600	40
20	501010	1720	90
21	501011	1110	84
22	501012	670	71
23	501013	790	71
24	501014	755	90
25	501015	965	82
26	501016	495	68
27	501017	470	34
28	501018	1070	62
29	501019	445	68
30	501020	2110	81
31	501021	735	84
32	501022	765	57
33	501023	590	40
34	501024	2020	34
35	501025	1360	78
36	501026	635	67
37	501027	940	84
38	501029	980	110
39	501030	1270	91
40	501031	1260	60
41	501032	840	65
42	501033	1260	42
43	501034	280	77
44	501035	790	100
45	501036	945	78
46	501037	1000	81
47	501038	1550	100
48	501039	1400	70
49	501040	1160	68
50	501041	2150	60
51	501042	985	62

52	501043	1380	53
53	501044	855	135
54	501045	1750	74
55	501046	530	105
56	501047	1170	17
57	501048	405	48
58	501049	485	27
59	501050	745	28
60	501051	1200	28
62	500015	1370	17
63	500016	530	72
64	500017	620	64
65	501053	520	64
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67	501052	1990	100
68	501055	2180	40
69	501056	705	70
70	501057	390	91
71	501058	1040	100
72	501059	755	99
73	501060	2440	51
74	501061	640	53
75	501062	2550	67
76	501063	885	65
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78	501065	775	67
79	501066	1350	72
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85	501072	1740	65
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87	501074	1470	67
88	501075	1900	94
89	501076	2050	71
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110	501105	2630	71
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121	501116	2430	73
122	501117	2450	55
123	501118	2530	53
124	501119	2070	62
125	501120	2500	82
126	501121	1490	50
127	501122	2440	86
128	501123	1860	68
129	501124	1610	64
130	501125	1320	81
131	501126	1430	74
132	501127	1470	84
133	501128	1850	82
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143	501138	1810	56
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149	501144	1320	110
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153	501148	1780	71
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156	501151	2470	53
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169	501164	1900	50
170	501165	3090	66
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172	501167	2310	66
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176	501171	1940	100
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223	500021	925	42
224	500022	980	72
225	500023	675	56
226	500024	1240	74
227	500025	2350	64
228	500026	1990	76
229	500028	2120	50
230	500029	965	53
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284	500039	1640	78
285	500040	1690	66
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304	500063	1760	52
305	500064	1420	64
306	500065	1110	75
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310	500069	1950	67
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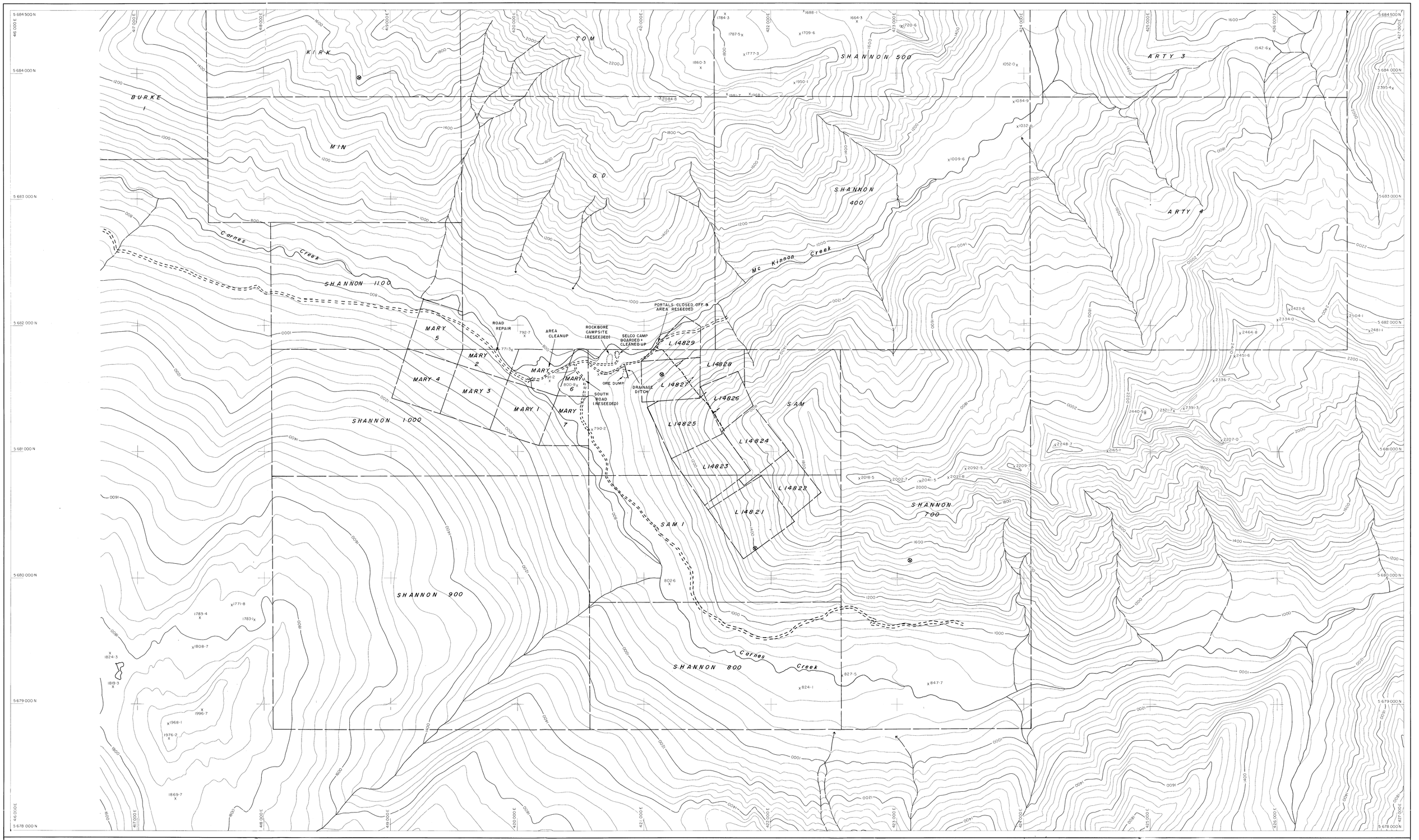

LEGEND

- Road
- Camp location
- Helipad
- Claim boundary
- Bridge
- Underground Workings

SHEET INDEX

1
2

NOTE: Compiled from aerial photography at a scale of 1:75,000 flown in Aug. 1970.
Contour interval 40 metres.
Sheet No. 2 of 2.

0 100 200 300 400 500 600 700 800 900 1000 metres

0 1000 2000 3000 feet

Scale 1:10,000

GEOLOGICAL BRANCH ASSESSMENT REPORT

14,405

SELCO DIVISION - BP RESOURCES CANADA LIMITED

J & L PROJECT

PHYSICAL WORK PLAN

DRAWN BY	DATE	N.T.S.	PLAN
R. PEGG	SEPT. 1983.	82M/8E	1
TRACED BY J.S.	DATE OCT. 1985		BPVR 85-22

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