

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 92.08.13

ASSESSMENT REPORT 21810

MINING DIVISION: Skeena

PROPERTY: Snowfields
LOCATION: LAT 56 05 20 LONG 130 05 40
UTM 09 6216298 431897
NTS 104B01E

CAMP: 050 Stewart Camp

CLAIM(S): Snow 2-4, Boundary, Knob Hill, Boston
OPERATOR(S): Westmin Res.
AUTHOR(S): Bundred, O.; Lhotka, P.
REPORT YEAR: 1991, 45 Pages

COMMODITIES

SEARCHED FOR: Gold

KEYWORDS: Jurassic, Hazelton Group, Andesites, Dacites, Latites, Tuffs, Argillites
Stockworks, Pyrite, Chalcopyrite, Galena, Sphalerite

WORK

DONE: Geological, Geochemical, Physical
GEOL 550.0 ha
Map(s) - 3; Scale(s) - 1:2000
LINE 8.7 km
ROAD 0.2 km
SAMP 54 sample(s) ; AU, AG, CU, PB, ZN
SOIL 154 sample(s) ; AU, AG, CU, PB, ZN
Map(s) - 5; Scale(s) - 1:2000

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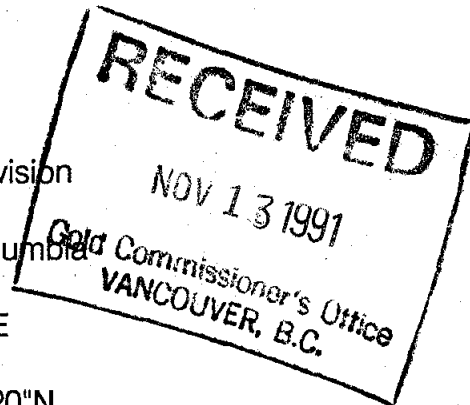
GEOLOGICAL, GEOCHEMICAL AND PHYSICAL WORK REPORT
ON THE
SNOWFIELDS PROPERTY

Skeena Mining Division

Stewart, British Columbia

NTS 104B/1E

Latitude 56°05'20"N
Longitude 130°01'40"W



WESTMIN RESOURCES LIMITED (Operator)
HOMESTAKE CANADA LTD. (Owner)

Owen Bundred, B.Sc.
Paul G. Lhotka, Ph.D., P.Geol.

April 24, 1991

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

21,810

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SUMMARY

An Exploration program involving soil sampling, mapping, prospecting and minor road construction was carried out from September 16 to October 28, 1990 on the Snowfields claim group. The purpose of the program was to evaluate the economic potential of the property with much of the work focusing on known mineral occurrences.

During this program, two showings were examined; the Snowfields showing and Extreme showing. These showings consist of narrow mineralized quartz veins hosting disseminations of pyrite, sphalerite, chalcopyrite, and galena within a dacite porphyry-diorite-granodiorite host rock. Sample results indicate the showings carry significant levels of silver and base metals but low gold. The best assay results include 0.28 g/t Au, 115.0 g/t Ag, 0.18% Cu, 0.58% Pb, 1.10% Zn (Snowfields) and 2.33 g/t Au, 816 g/t Ag, 14.4% Cu, 0.52% Pb, 0.35% Zn (Extreme). Narrow widths of mineralization and low gold values on surface preclude any further investigation of these showings at this time. Further work in the area may indicate, however, that subsurface testing of these showings is warranted in the future.

A soil sampling program, carried out on the Eastern margin of the Snowfields property, outlined several linear, overlapping Ag, Zn, Cu, Pb, and Au anomalies trending north-northwest. These anomalies lie on strike with base and precious (Au and Ag) metal bearing quartz veins exposed on the Indian Property to the south. This suggests that the source of the soil anomalies are mineralized veins in bedrock.

Further exploration is warranted on the Snowfields property in light of these results. Future work should focus on locating and testing the source of the soil anomalies above the Granduc Road and continue to explore for new mineral occurrences elsewhere on the property. A limited program of mapping, prospecting and trenching is recommended. If warranted, a drill program should follow.

1. INTRODUCTION

In a continuing effort to consolidate its property holdings in the Premier-Big Missouri area, Westmin Resources entered into an Agreement with Homestake Canada to carry out a work program on the Snowfields property. A \$50,000 program was proposed involving linecutting, soil sampling, mapping and minor road construction. Work began on September 16, 1990 and was completed on October 28, 1990. A total of \$32,596 was spent on the program during this period (Appendix A). This report summarizes the results of the 1990 Snowfields exploration program.

2. LOCATION AND ACCESS

The Snowfields claim group is located 25 km northeast of Stewart, BC (NTS 104B/1E, Latitude 56° 06'N, Longitude 130° 03'W) and 4.5 km northwest of Westmin's Premier-Silbak Mine (Figures 1, 2). Access to the claims is provided by the Granduc Mine road, which traverses the eastern margin of the property. Heavy snow conditions prevail in the area during most of the year, limiting road access to the summer and early fall months.

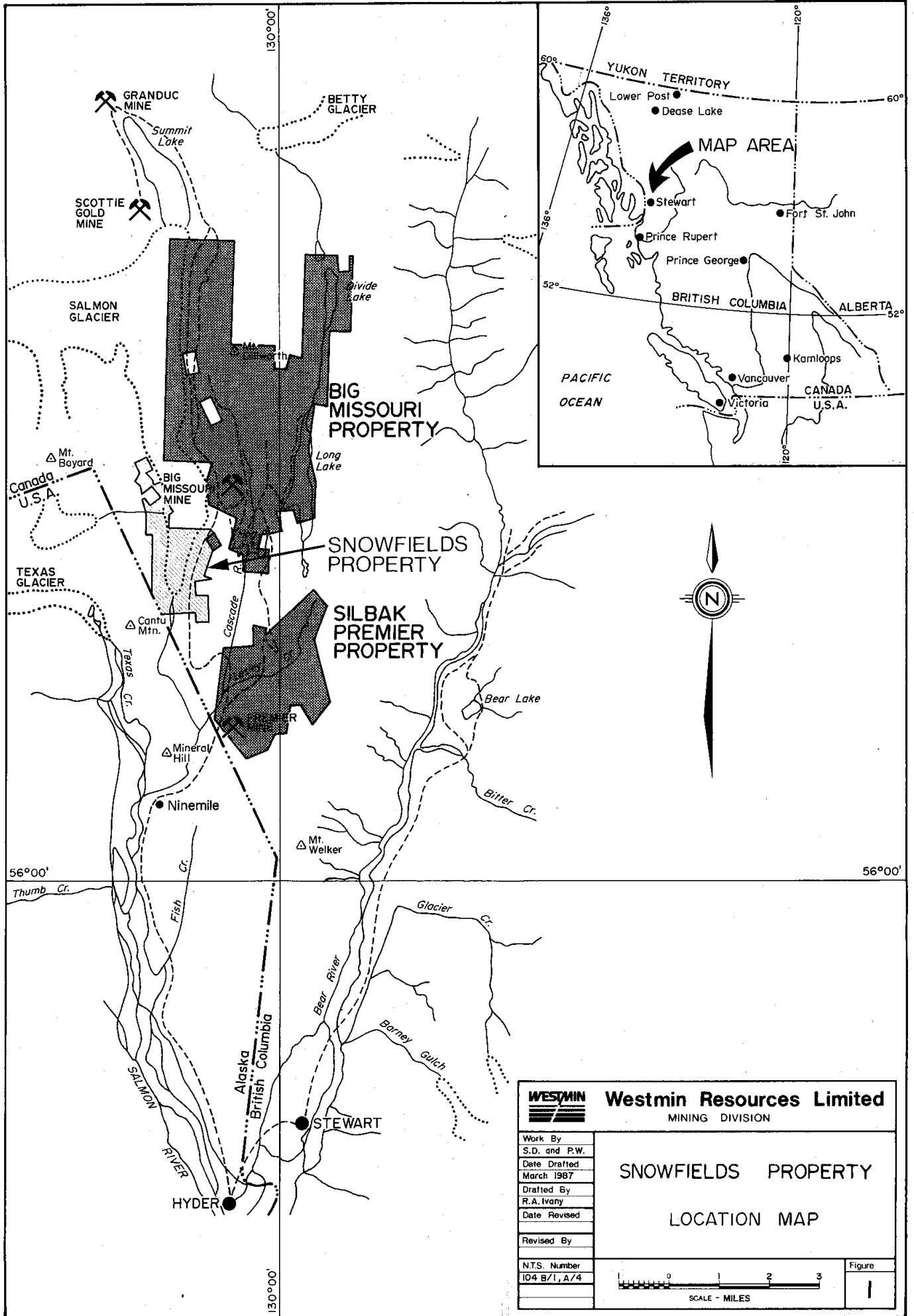
3. CLAIM STATUS AND OPTION AGREEMENT

The Snowfields property consists of six claims and fractions and 14 Crown-Granted claims all of which are 100% owned by Homestake Canada Ltd. (Figure 3). These claims cover an area of approximately 750 hectares or 7.5 km².

Table 1: Claim Status - Snowfields Property

Claim	Tenure #	Claim Type	Lot #	Hectares (H) Unit (U)	Record #
Glacier	250545	RCG	1849	18.78 (H)	730
Boundary No. 4	250549	RCG	2313	20.90 (H)	734
Boundary No. 1	250550	RCG	2314	20.67 (H)	735
Knob Hill	250551	RCG	3220	20.90 (H)	736
Boston Fr.	250552	RCG	5521	16.52 (H)	737
Bean Fr.	250553	RCG	5522	8.54 (H)	738
Boston Fr. No. 2	250554	RCG	5523	20.04 (H)	739
Munro No. 2 & 3	250760	RCG	5416/5417	17.47 (H)	1644
Munro No. 1	250761	RCG	5411	20.90 (H)	1645
Big Chief No. 2	250762	RCG	5414	12.95 (H)	1646
Big Chief No. 3	250763	RCG	5415	12.60 (H)	1647
Munro No. 4 & 5 and Boundary	250764	RCG	5419/5420/5421	23.39 (H)	1648
Snow 2	250812	MC	-	15 (U)	1838
Snow 3 Fr.	250813	FMC	-	-	1839
Snow 4 Fr.	250814	FMC	-	-	1840
Firn	250923	MC	-	2 (U)	2616
Firn Fr.	250924	FMC	-	-	2617
Snow 1	-	MC	-	3 (U)	1837
(now Sno #1)	(301054)	MC	-	-	-

MC = Mineral Claim
FMC = Fractional Mineral Claim



GRANDUC MINE

SCOTTIE GOLD MINE

SALMON GLACIER

BETTY GLACIER

BIG MISSOURI PROPERTY

SNOWFIELDS PROPERTY

SILBAK PREMIER PROPERTY

Canada U.S.A.

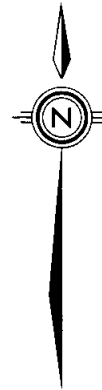
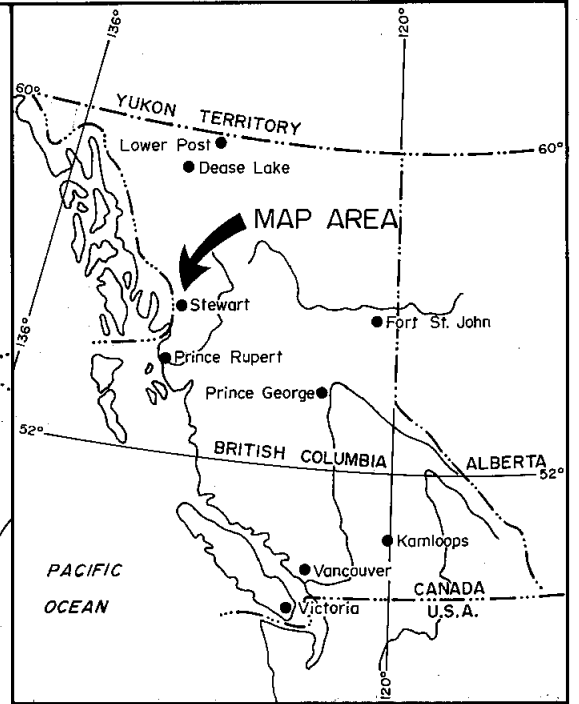
TEXAS GLACIER

56°00'

Thumb Cr.

HYDER

130°00'



56°00'



Westmin Resources Limited
MINING DIVISION

Work By
S.D. and P.W.
Date Drafted
March 1987
Drafted By
R.A. Ivony
Date Revised

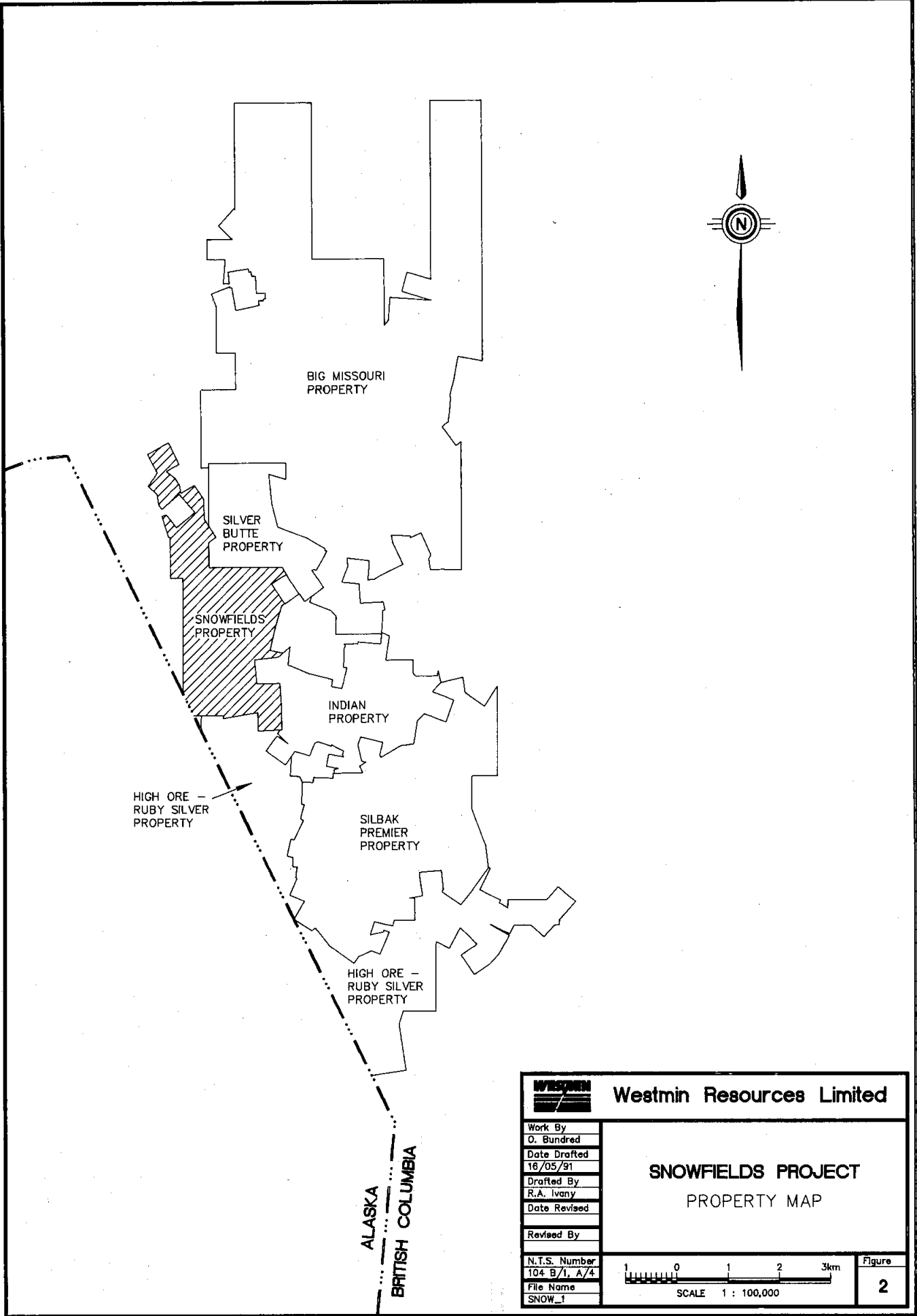
Revised By

SNOWFIELDS PROPERTY
LOCATION MAP

N.T.S. Number
104 B/1, A/4





Figure
1

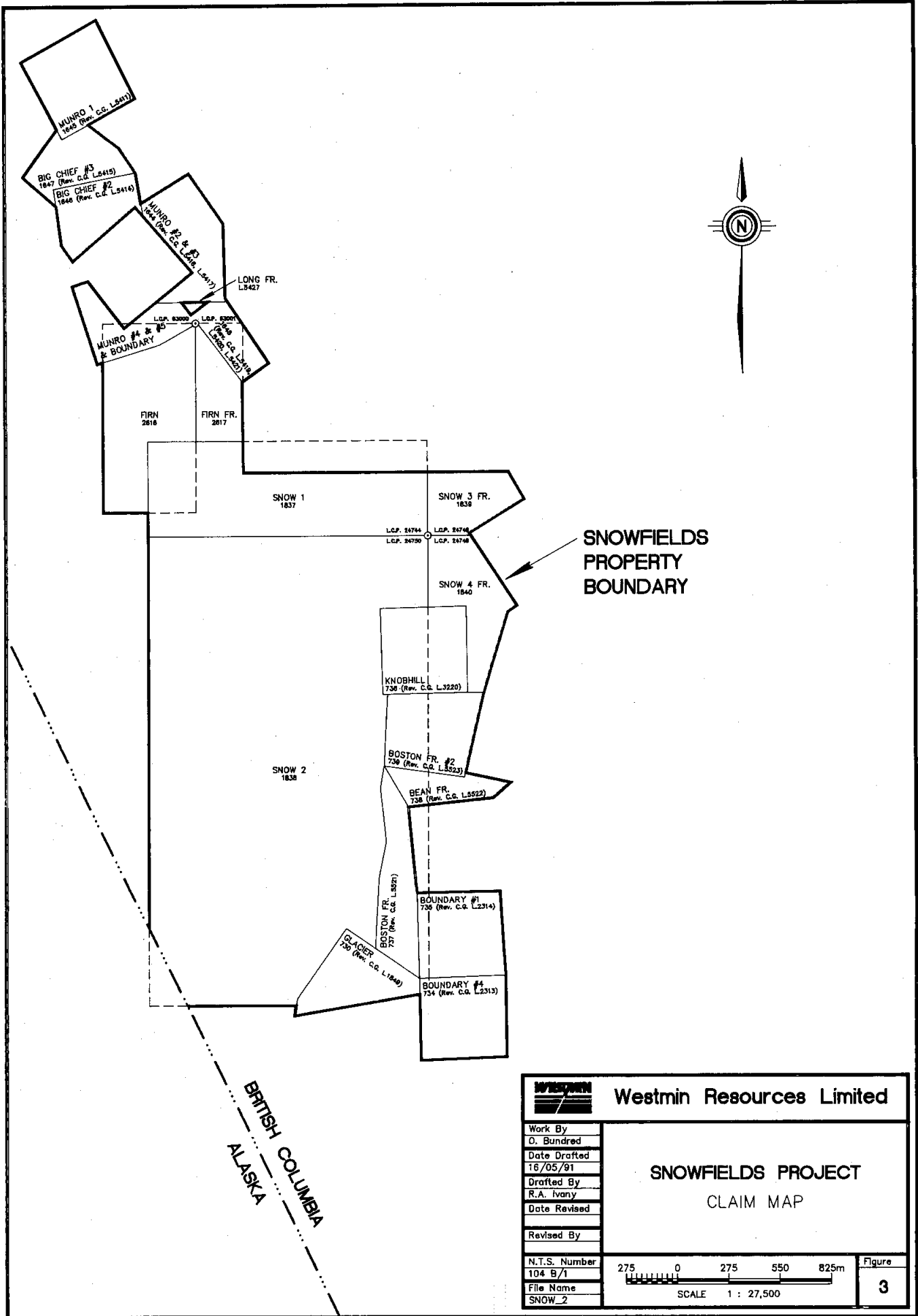



HIGH ORE -
RUBY SILVER
PROPERTY

HIGH ORE -
RUBY SILVER
PROPERTY

ALASKA
.....
BRITISH COLUMBIA

 Westmin Resources Limited			
Work By O. Bundred Date Drafted 16/05/91 Drafted By R.A. Ivany Date Revised Revised By	<p style="text-align: center;">SNOWFIELDS PROJECT PROPERTY MAP</p>		
N.T.S. Number 104 B/1, A/4 File Name SNOW_1	<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <table border="1"> <tr> <td>Figure</td> <td style="text-align: center;">2</td> </tr> </table> </div> </div> <p style="text-align: center;">SCALE 1 : 100,000</p>	Figure	2
Figure	2		



 Westmin Resources Limited	
Work By O. Bundred Date Drafted 16/05/91 Drafted By R.A. Ivany Date Revised Revised By	SNOWFIELDS PROJECT CLAIM MAP
N.T.S. Number 104 B/1 File Name SNOW_2	Figure 3

4. PHYSIOGRAPHY

The Snowfields property is centred upon a deep and wide glacial valley which is partially occupied by the Salmon Glacier. Property boundaries extend beyond the valley to the east, upslope from the Granduc Road. Topography is rugged with extensive rock exposure in cliffs and along steep valley slopes. Elevation ranges from 180m to 1250m a.s.l. Vegetation is sparse to absent within the glacial valley, however, the eastern portion of the property, above the Granduc Road, is covered by balsam and spruce forest with a dense undergrowth of salal and devils club.

5. REGIONAL GEOLOGY

The Snowfields claim group is part of an area that was mapped at a regional scale by Grove (1971) with later additions and revisions by Anderson et al (1989) and Alldrick (1988). The property lies within the north-northwest trending coast crystalline belt and is underlain by a sequence of volcanic and sedimentary rocks belonging to the Jurassic Hazelton group. This sequence consists of marine and subaerial andesitic to dacitic calc-alkaline volcanics, interbedded sediments and coeval intrusions that appear to be representative of an Island arc assemblage. Shallow marine sediments belonging to the mid-late Jurassic Bowser group unconformably overlie the Hazelton Group to the east.

The most recent update in regional studies of the Hazelton Group (Anderson, 1990) indicates a stratigraphic section facing east as follows:

Top	Salmon River Formation (Middle Jurassic)	Thin to medium bedded siltstones, chert and wackes.
	Mount Dillworth Formation (L-M Jurassic)	Rhyolitic tuffs to lapilli tuffs.

Betty Creek Formation (L. Jurassic)

Andesitic to dacitic
volcanics interbedded with
purple/green epiclastics.

Unuk River Formation (L. Jurassic)

Massive andesitic
volcanics with minor
interbedded sediments.

Bottom

Hazelton volcanics have been intruded by the early Jurassic Texas Creek Granodiorite Suite and the middle Eocene Hyder quartz monzonite suite. Two major phases of deformation have affected the Hazelton sequence resulting in a regional structural pattern of north-northwest striking open to tight folds with steeply west-southwest dipping Axial planes. A prominent penetrative foliation has developed within these rocks, striking north and dipping moderately to the west.

The Lower and Middle Jurassic Hazelton Group and alkaline members of the cogenetic early Jurassic Texas Creek plutonic suite (Premier porphyry and related rocks) have proved the most productive and prospective for hosting mineralization in the Stewart camp. Much of this mineralization is found in the form of precious metal lodes (Silbak-Premier Glory Hole), however, stratiform precious and base metal rich massive sulphide lenses are also recognized (Silver Butte, Big Missouri). At least two periods of mineralization are recognized in the Stewart area; Jurassic and Tertiary. They compare in the following way:

<u>Jurassic</u>	<u>Tertiary</u>
- massive, stockwork-like veins	- vuggy, planar veins
- strong alteration of host rock	- weak alteration of host rock
- low-moderate Ag/Au ratio	- high Ag/Au ratio
- large tonnage potential	- generally low tonnage potential

6. PRESENT WORK

A work program was carried out on the Snowfields claim group from September 16 to October 28, 1990 to evaluate the economic potential of the property. Exploration efforts were concentrated on the eastern margin of the claim group, above the Granduc Road. A program consisting of surface geological mapping, geochemical soil sampling, outcrop sampling and minor road development was completed during this period. This work is described in detail below.

6.1 Property Geology

A mapping project was undertaken by J. Payne from September 16-19, 1990. The study area comprised the eastern slope above the Granduc Road between the Indian property to the south and the Dauntless claim to the north. This study was intended to integrate with existing surface mapping on the Premier and Big Missouri properties.

A 1:2000 scale geology map was produced from the compilation of a series of traverses across the eastern margin of the property (Figures 4a,b,c; Appendix E). This map illustrates a lithologic change from west to east as follows:

West

Massive, porphyritic latite/dacite flows and subvolcanic intrusions (units 6 & 7) interbedded and/or intruding argillaceous/silty sediments (unit 4).

East

Massive andesite flows and tuffs (unit 9) interbedded with argillaceous sediments (unit 4).

South of Myrtle Creek, a similar stratigraphic progression is noted with the exception that rocks of Units 5 and 6 (andesitic latite/dacite volcanics) outcrop instead of unit 9. The direct correlation of argillaceous sediments (unit 4) and latite flows (unit 6) across the Myrtle Creek Fault indicates no significant lateral displacement, suggesting that the rocks mapped as unit 9 and unit 5 further upslope are probably stratigraphically equivalent (facies change?). Offset along Myrtle Fault is likely not larger than a few tens of metres (Payne, 1990).

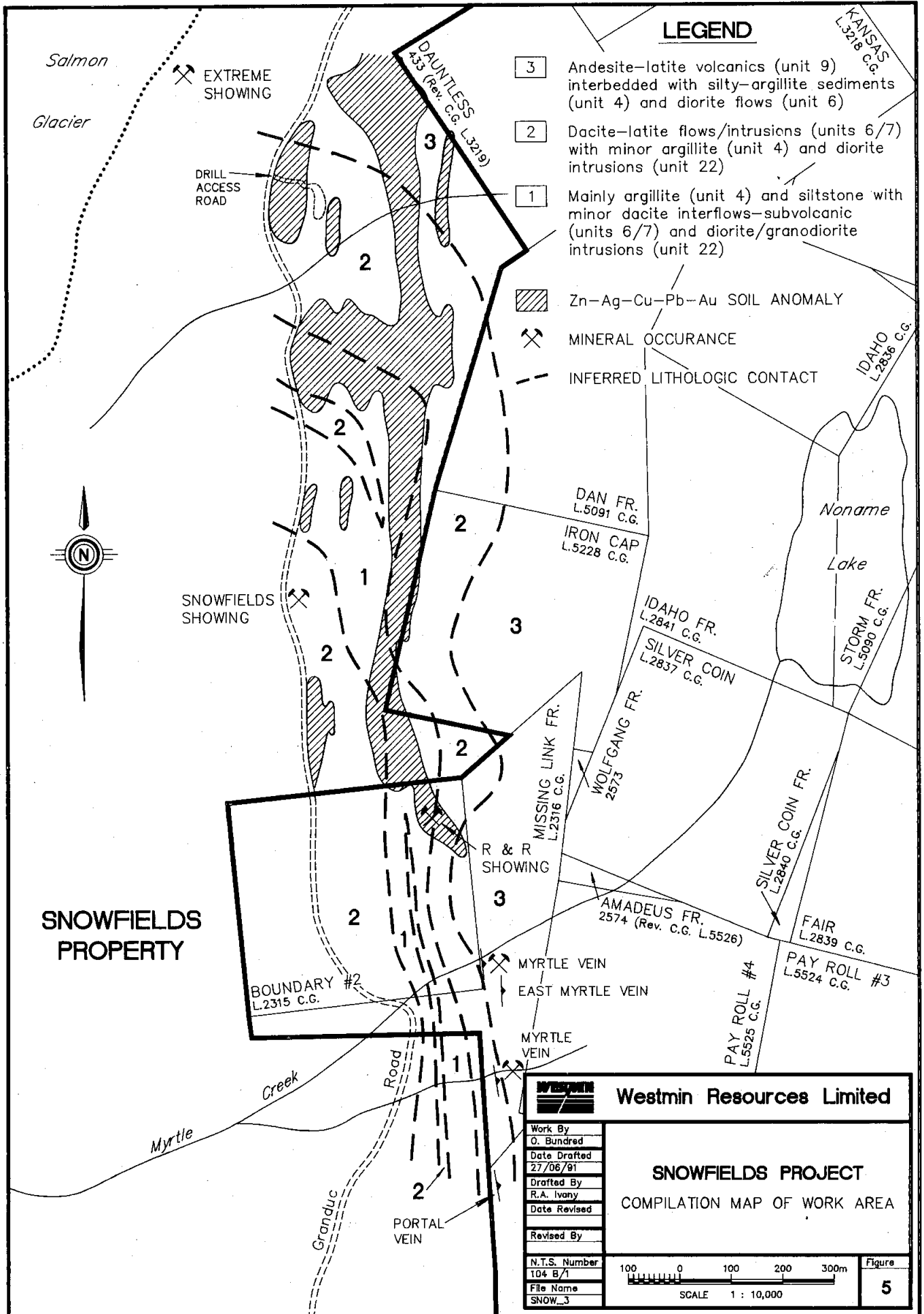
Along the Granduc Road, bedded argillites of unit 4 strike mainly northwest-west, dipping moderately to the southwest-south. Folds range from tight to open and locally rocks are strongly contorted (drag folding). Local structural measurements combined with drill data from the Indian and Dauntless claims, suggests stratigraphy strikes north-northwest dipping moderately to steeply to the west-southwest. The facing direction of stratigraphy is not known.

6.2 Mineralization

Two showings were examined during the 1990 Snowfields program; the Snowfields showing and Extreme showing (Figure 5).

6.2.1 Snowfields Showing

This showing occurs along the Granduc Road (104000N, 97700E) in a complex, zoned plug of units 7 and 6 (dacite porphyry) intruded into units 4a and 4c (argillites-siltstone). Within the core of the plug, and to a lesser extent along the margins, is an irregular stockwork of quartz-quartz-carbonate veins and replacement patches containing abundant pyrite, chalcopyrite, galena and sphalerite (Figure 6). It is not clear whether mineralization is Jurassic or Tertiary in age. A total of 54 chip samples were

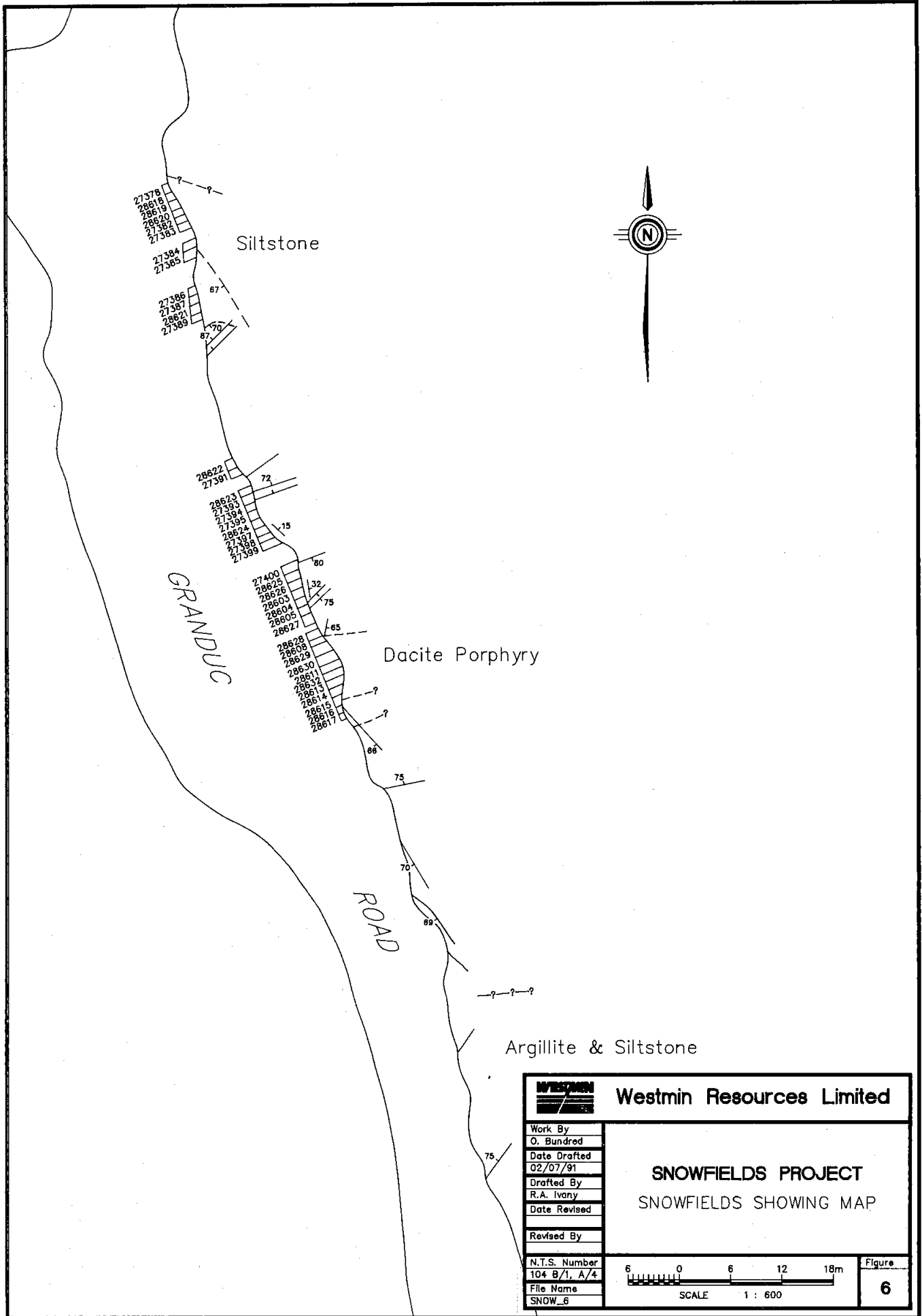



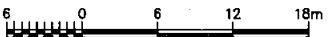
LEGEND

- 3 Andesite-latite volcanics (unit 9) interbedded with silty-argillite sediments (unit 4) and diorite flows (unit 6)
- 2 Dacite-latite flows/intrusions (units 6/7) with minor argillite (unit 4) and diorite intrusions (unit 22)
- 1 Mainly argillite (unit 4) and siltstone with minor dacite interflows-subvolcanic (units 6/7) and diorite/granodiorite intrusions (unit 22)
- Zn-Ag-Cu-Pb-Au SOIL ANOMALY
- MINERAL OCCURANCE
- INFERRED LITHOLOGIC CONTACT

SNOWFIELDS PROPERTY

Westmin Resources Limited											
SNOWFIELDS PROJECT											
COMPILATION MAP OF WORK AREA											
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Figure	5										



 Westmin Resources Limited	
Work By O. Bundred Date Drafted 02/07/91 Drafted By R.A. Ivory Date Revised Revised By	SNOWFIELDS PROJECT SNOWFIELDS SHOWING MAP
N.T.S. Number 104 B/1, A/4 File Name SNOW_6	 SCALE 1 : 600
Figure 6	

collected from a road cut exposing the showing and submitted to the Premier Gold Assay Laboratory for analysis. Assay results are included in Appendix D. Elevated values of Ag, Cu, Pb and Zn were returned, however, Au values were low (<0.28 g/t Au). The best results include the following:

Sample	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Description
27400	0.057	67.0	4710.0	14800.0	28500.0	Dacite porphyry x-cut by 1-5 cm qtz vein hosting Cpy, Gn and Sp.
28615	0.170	47.0	1480.0	6630.0	35000.0	Strongly silicified dacite porphyry, hematite stained, patchy distribution of Cpy, Gn, Sp and Py within qtz veinlets
28617	0.284	115.0	1780.0	5840.0	10600.0	mineralized (Py, Sp, Gn, Cpy) Qtz stockwork
28628	0.227	81.0	2180.0	1510.0	3260.0	Narrow qtz veins x-cutting dacite porphyry

6.2.2 Extreme Showing

This showing was initially discovered by Homestake geologists in 1987. A follow-up examination by Westmin geologists in 1990 essentially confirmed previous results.

The showing is located approximately 300 metres below the Granduc Road and 600 metres north of the toe of the Salmon Glacier (104580N, 96650E). Mineralization (Tertiary?) was found in large talus blocks and outcrop near the top of a steep slope at the base of a cliff. Chalcopyrite with lesser sphalerite and galena is hosted in granular to crystalline and locally vuggy quartz veins. The veins occupy sheared zones within chlorite altered, equigranular granodiorite. Veins reach a maximum width of 50 cm and appear to be spaced at intervals of several metres within shears

trending at 330° TN/55 SW. The following is a description of samples collected:

All three rock samples were collected by P. Lhotka and M. Fernandez-Concha at or near a sample flag marked M31630 where a large talus block contains abundant chalcopyrite. This flag was marked in error by Homestake as their analytical results show no such sample was taken. It should have been labelled M31360.

Sample PL-3 - A resample of composite grab material from the same block as M31360.

Sample PL-1 - Collected from outcrop, 30 metres upslope from sample PL-3. This sample is a grab of a quartz-carbonate vein, hosting 2% chalcopyrite. The vein occupies a sheared and altered zone in an equigranular granodiorite dyke.

Sample PL-2 - A composite grab of a large talus block that appears to have moved only a few metres from its original position. This block is located a few metres north of PL-1 at the same elevation (~300m). Massive chalcopyrite is found within a quartz vein identical in appearance to veins at PL-1 and PL-3. Assay results from samples collected at the Extreme Showing are included in the table below.

Sample	Au (g/t)	Ag (g/t)	Cu %	Pb %	Zn %
PL-1	0.69	402	3.27	0.26	0.12
PL-2	1.03	767	6.89	0.25	0.11
PL-3	2.33	816	14.40	0.52	0.35

6.3 Soil Sampling Program

A linecutting and soil sampling program was carried out from September 9-25, 1990. Gordon Clarke and Associates were contracted for the job and supervision was provided by M. Fernandez-Concha and O. Bundred. The following work was completed.

- i) A 2.55 km claim line was cut/blazed and chained (slope-corrected), marking the boundary between the Snowfields claim group and the Big Missouri, Dauntless, Dan Fraction, Iron Cap, Missing Link, and Boundary claims.
- ii) A 1.6 km baseline was cut/blazed and marked every 50 metres by a labelled flag. At every 100 metre interval crosslines were extended down to the Granduc Road and upslope to the Snowfields property boundary. Each crossline was marked by a ribboned station, spaced at 25 metre intervals, from which a soil sample was collected (B horizon). Approximately 4500 metres of gridline were cut and 156 soil samples were collected.
- iii) Soil samples were submitted to Min-En Laboratories for Geochemical Analysis of Au, Ag, Cu, Pb and Zn (Appendix D). Results of this analysis were plotted and contoured on five, 1:2000 scale surface maps of the sample area (Figures 7a-e, Appendix F). Contour intervals were selected based upon the concentration range for each element.

An analysis of the distribution pattern of precious and base metals in soils reveals several moderate to strong linear anomalies trending to the north-northwest. Of the five elements analyzed, Zn and Ag best define the anomalous ground, outlining one strong linear zone flanked by at least three weaker subparallel zones. The strongest and most continuous of these anomalies appears

to lie roughly on strike with the R&R, Myrtle and Portal veins exposed to the south on the Indian property.

The R&R showing (Figure 5) consists of an auriferous quartz-chlorite-pyrite vein ($005^{\circ}/70^{\circ}\text{E}$) hosting lenses, several centimetres thick, of coarse grained galena and sphalerite. This vein appears to be an extension of, or an echelon equivalent of, the Myrtle and Portal veins (Figure 5) which outcrop south of Myrtle Creek (Payne, 1990).

Both the Myrtle and Portal veins are part of the Indian Vein system which is a northwest trending zone ($350^{\circ}/80^{\circ}\text{E}$) of subparallel quartz, quartz-carbonate and breccia veins varying in thickness from less than a metre to 5m (1-3m average). These veins host auriferous pyrite, argentiferous-auriferous galena, sphalerite and minor chalcopyrite. An extensive amount of work has been focused on this zone in the past including underground mining/exploration, diamond drilling, trenching, geophysics, soil sampling and mapping.

A recent drilling program carried out by Esso Minerals in 1988 reported several significant intersections including; 7.52 g/t Au, 694.7 g/t Ag over 3.5m (Myrtle vein), 3.65 g/t Au, 296.4 g/t Ag over 2.5m (Myrtle vein), and 2.89 g/t Au, 95.0 g/t Ag over 5.44m (East Myrtle vein). This work confirmed the downdip extension of the veins, however, the distribution of mineralization, in particular Au, was shown to be highly erratic along strike and at depth. The age of the Indian Vein system is unknown, however, the style of mineralization (high Ag:Au ratio) and physical appearance of the veins (vuggy, planar and weakly altered) suggests it may be Tertiary. This may be important from an economic standpoint since Tertiary mineralization has been shown, in general, to be low in Au and relatively small in tonnage potential.

The concentration and distribution pattern of base and precious metals found in soils proximal to the R&R and Indian veins is similar to that noted on the Snowfields property. This, and the location and orientation of the strong linear Snowfields anomaly, suggests that the R&R-Indian vein system extends onto the Snowfields property, continuing at least 200m further to the north.

6.4 Road Construction

A short road was constructed (October 1 to 2) in the northwest corner of the Snowfields claim, adjoining the Granduc Road (Figure 5). A total of 20 hours of backhoe time (J. Olynyk - contractor) and 10 hours of Cat time (T. Doherty - Westmin employee) were required to complete the job. The purpose of this road was to provide access for future drilling.

7. CONCLUSIONS

Results from the 1990 Snowfields exploration program have led to the following conclusions:

(1) Surface mapping has revealed a stratigraphic section that progresses from west to east as follows:

West

Massive, porphyritic latite/dacite flows and subvolcanic intrusions (units 6 & 7) interbedded and/or intruding argillaceous/silty sediments (unit 4).

East

Massive andesite flows and tuffs (unit 9) interbedded with argillaceous sediments (unit 4).

Drilling on past programs north (Dauntless claim) and south (Indian property) of Snowfields, along with local structural measurements, indicates stratigraphy is

possibly west facing(?), striking north-northwest and dipping moderate-steeply to the west-southwest.

(2) An examination of the Extreme and Snowfields showings revealed moderately significant silver and base metal mineralization but generally low gold (<2.33 g/t). Fine to coarse grained galena, chalcopryite, sphalerite and pyrite are hosted in quartz and quartz-carbonate veins. The Snowfields showing is comprised of narrow veins that are distributed in a stockwork fashion crosscutting a complex plug of dacite porphyry. A consistent orientation for this zone could not be determined. In the Extreme showing, mineralized veins occupy several narrow shears, oriented at 330° TN/55° SW, which crosscut a granodiorite intrusion. The showings do not appear to be directly related. The best values returned include: 0.283 g/t Au, 115.0 g/t Ag, 0.18% Cu, 0.58% Pb, 1.1% Zn (Snowfields); 2.33 g/t Au, 816 g/t Ag, 14.4% Cu, 0.52% Pb, 0.35% Zn (Extreme). Narrow widths of mineralization and relatively low gold values on surface indicate these showings do not warrant further investigation at this time. Continued work on the property may indicate, however, that subsurface testing (drilling or trenching) of the showings is warranted in the future.

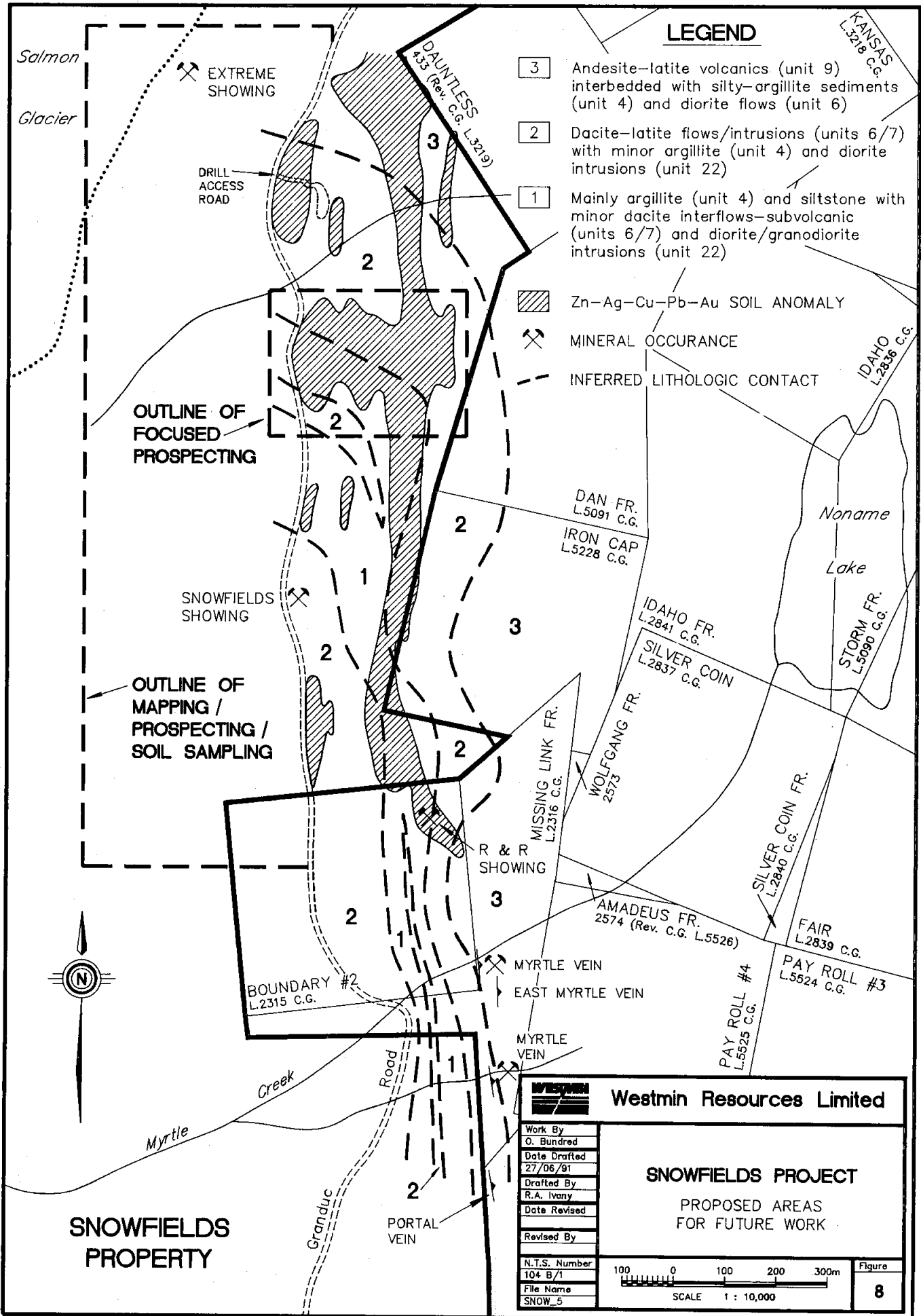
(3) A soil sampling program carried out on the eastern portion of the Snowfields property has defined several north trending, linear anomalies for Zn, Ag, Cu, Pb and Au (strongest to weakest). The strongest and most continuous of these anomalies (200m x 50m) lies on strike with the R&R and Myrtle veins which are exposed to the south on the Indian property. Extensive work in the past indicates these veins carry significant base metal values as well as significant but erratic gold and silver. The soil anomalies defined on the Snowfields property appear to represent the northern extension of this mineralized vein system. Further work is needed to follow up on these encouraging results with the focus on locating and testing the source of the anomalies.

8. **RECOMMENDATIONS**

Phase 1:

- (1) The anomalies outlined from the 1990 soil sampling program should be examined in greater detail. A small program of focused prospecting and trenching is recommended to locate the source of the anomalies. If results prove favourable, a drilling program should then commence to test the along-strike and downdip potential of the zone.
- (2) A program of mapping, prospecting and soil sampling is recommended on the slope below the Granduc Road (Figure 8).
- (3) The approximate expenditures required for completion of the Phase 1 program would be as follows:

Mapping, prospecting - 5 days (2 geologists)	\$ 3,250. (incl. accom.)
Truck rental + gas (month)	1,500.
Trenching - 5 days @ \$1000/day (contractor)	5,000. (incl. mob/demob)
Supervision - 8 days @ \$200/day (1 geologist)	1,600.
Road Access - 2 days @ \$450/day (cat. operator)	900.
Soil Sampling - 4 days @ \$300/day	1,200.
Geochem Analysis - 125 samples @ \$30/sample	3,750.
Mobil/demob - (geologists)	<u>500.</u>
TOTAL	<u>\$17,700.</u>



LEGEND

- 3 Andesite-latite volcanics (unit 9) interbedded with silty-argillite sediments (unit 4) and diorite flows (unit 6)
 - 2 Dacite-latite flows/intrusions (units 6/7) with minor argillite (unit 4) and diorite intrusions (unit 22)
 - 1 Mainly argillite (unit 4) and siltstone with minor dacite interflows-subvolcanic (units 6/7) and diorite/granodiorite intrusions (unit 22)
- Zn-Ag-Cu-Pb-Au SOIL ANOMALY
 - MINERAL OCCURANCE
 - INFERRED LITHOLOGIC CONTACT

KANSAS L.5218 C.G.

IDAHO L.2836 C.G.

DAN FR. L.5091 C.G.

IRON CAP L.5228 C.G.

IDAHO FR. L.2841 C.G.

SILVER COIN L.2837 C.G.

WOLFGANG FR. 2573

MISSING LINK FR. L.2316 C.G.

AMADEUS FR. 2574 (Rev. C.G. L.5526)

FAIR L.2839 C.G.

PAY ROLL #3 L.5524 C.G.

PAY ROLL #4 L.5525 C.G.

Salmon Glacier

EXTREME SHOWING

DRILL ACCESS ROAD

OUTLINE OF FOCUSED PROSPECTING

SNOWFIELDS SHOWING

OUTLINE OF MAPPING / PROSPECTING / SOIL SAMPLING



SNOWFIELDS PROPERTY

BOUNDARY #2 L.2315 C.G.



Westmin Resources Limited

Work By	O. Bundred
Date Drafted	27/06/91
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	104 B/1
File Name	SNOW_5

SNOWFIELDS PROJECT

PROPOSED AREAS FOR FUTURE WORK

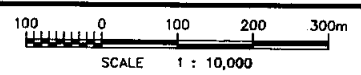


Figure **8**

Phase 2:

- (1) Contingent upon the results of Phase 1, diamond-drilling may be warranted to test showings and/or geological targets.

9. STATEMENT OF QUALIFICATIONS

I, Owen Bundred, of 14711 - 83rd Street, Edmonton, Alberta, do hereby certify that:

1. I graduated from the University of Alberta in 1987 with a B.Sc. degree in geology and that I have been practicing my profession continuously since graduation.
2. I have been involved, as a geologist for Westmin Resources, in mineral exploration in British Columbia since 1987.
3. Much of the work performed on this program has been under my supervision, that which has not been under my supervision has been reviewed and is considered to be of professional quality. I was present on the property from September 16 to October 28, 1990.
4. I have no direct or indirect legal or financial interest in the claims worked on, nor in Westmin Resources Limited, nor in Homestake Canada Ltd.



Owen Bundred
WESTMIN RESOURCES LIMITED

25 April 1991

STATEMENT OF QUALIFICATIONS

I, Paul G. Lhotka, of 254 East 18th Street, North Vancouver, V7L 2X6, do hereby certify that:

1. I graduated from the University of Manitoba in 1981 with an Honours B.Sc. in geology and from the University of Alberta in 1988 with a Ph.D. in geology.
2. I have practiced my profession continually since graduation and have worked in Alberta, British Columbia, Saskatchewan, the Yukon and Northwest Territories, and Idaho, U.S.A.
3. I was directly responsible for the work carried out on the Snowfields property.
4. I have no direct or indirect legal or financial interest in the claims worked on, nor in Homestake Canada Ltd.
5. I am currently registered as a professional geologist by The Association of Professional Engineers, Geologists and Geophysicists of Alberta.



Paul G. Lhotka, Ph.D., P.Geol.
WESTMIN RESOURCES LIMITED

25 April 1991

10. REFERENCES

- Alldrick, D.J., (1988), Detailed Stratigraphy of the Stewart Mining Camp; Geological Survey Branch of B.C. Ministry of Energy, Mines and Petroleum Resources.
- Anderson, R.G., et al, (1989), Paleozoic and Mesozoic Evolution of the Iskut River Map Area, Northwestern British Columbia, Canada, and setting of some precious and base metal mineral deposits; Stewart Mineral Exploration Field Conference paper.
- Carmichael, R.G., (1989), Geological Report on the Snow Claim Group; Homestake Canada Ltd. in-house report.
- Dawson, G.L., (1985), 1984 Summary Report, Indian Project; Esso Resources Canada Ltd. in-house report.
- Meixner, H.M., et al, (1988), Geological, Geophysical and Geochemical Report on the Indian Project; TRI Gold Industries Inc. in-house report.
- Foye, G.R., (1981), Geological Reports (2) on the Munro Group, Amadeus and Wolfgang Fractions, Assessment Reports 9627 and 9629; Windy Point Minerals Ltd.
- Kretschmer, V., (1980), Geological Reports (3) for the Mozart Fraction, Snow and Munro claim groups, Assessment Reports 8618, 8602, and 8540; Himco Resources.
- Payne, J.C., (1990), Geological Report, 1:2000 scale mapping Snowfields property, Silbak-Premier Area, Stewart District, B.C., Westmin Resources Limited in-house report.

APPENDIX A - 1990 Program Costs

STATEMENT OF EXPENDITURES

Excavator	20 hrs @ \$115/hr		\$ 2,300.00
Cat	10 hrs @ \$ 30/hr		300.00
Camp Expense			2,430.74
Geochemical Analysis			2,301.00
Salaries			
Permanent (Project Geologist) 5 days @ \$250/day			1,250.00
Temporary (Geologist) 16 days @ \$205/day			3,280.00
Contractors			
Linecutting - 11 days @ \$475/2 man crew day		\$5,225.00	
Soil Sampling - 6 days @ \$425/2 man crew day		2,550.00	
Mob/Demob (airfare/vehicle)		1,635.15	9,410.15
Travel Costs (airfare)			622.00
Truck Rental & Gas			3,774.00
Drafting Charges			2,766.11
Maps and Reports			<u>3,397.00</u>
TOTAL			<u>\$ 31,831.00</u>

APPENDIX B - Assay Certificate Sheets

WESTMIN RESOURCES LIMITED
PREMIER GOLD PROJECT ASSAY LABORATORY

CERTIFICATE OF ASSAY

TO: PAUL LHOTKA

PROJECT >>> EXPLORATION GOLDS

Snow Fields Showing

DATE: 09-26-90

ASSAY LAB FILE: A092690.ALA

TRANSFER TEXT FILE: EX092690.OTA

PAGE: 1

SAMPLE TYPE: ORIGINALS

30

SAMPLE IDENTITY	Au Oz/t
27378	0.002
27382	TRACE
27383	TRACE
27384	0.002
27385	0.002
27386	0.002
27387	TRACE
27389	0.002
27391	0.002
28603	0.002
28604	0.004
28605	0.002
28608	0.008
27393	0.004
27394	TRACE
27395	TRACE
27397	0.004
27398	0.006
27399	0.002
27400	0.002
28614	0.006
28615	0.006
28616	0.006
28617	0.010
28311	0.004
28613	0.006
1	0.002
2	0.004
3	0.002
4	0.002

PREMIER GOLD PROJECT ASSAY LABORATORY.

certified by *Evelyn*.....

WESTMIN RESOURCES LIMITED
PREMIER GOLD PROJECT ASSAY LABORATORY

CERTIFICATE OF ASSAY

TO: PAUL LHOTKA

PROJECT >>> EXPLORATION GOLDS

DATE: 09-26-90

ASSAY LAB FILE: A092690.ALA

TRANSFER TEXT FILE: EX092690.OTA

PAGE: 2

SAMPLE TYPE: ORIGINALS

SAMPLE IDENTITY	Au Oz/t
5	0.006
6	0.008
7	0.002
8	0.008
9	0.012
10	0.004
11	0.004
12	0.004
13	0.006
14	0.020

PREMIER GOLD PROJECT ASSAY LABORATORY.

certified by *Evelyn*.....

WESTMIN RESOURCES LIMITED
PREMIER GOLD PROJECT ASSAY LABORATORY

CERTIFICATE OF ASSAY

TO: PAUL LHOTKA

PROJECT >>> EXPLORATION GOLDS

DATE: 10-05-90

ASSAY LAB FILE: A100590.ALD

TRANSFER TEXT FILE: EX100590.OTD

PAGE: 1

SAMPLE TYPE: ORIGINALS

=====

SAMPLE IDENTITY	Au Oz/t
28618	0.002
28619	0.004
28620	0.002
28621	0.004
28622	0.002
28623	0.002
28624	0.004
28625	TRACE
28626	0.006
28627	0.002
28628	0.008
28629	0.002
28630	0.002
28631	TRACE
L10 100 01025W Snowfields OB.	0.030

PREMIER GOLD PROJECT ASSAY LABORATORY.

certified by *E. L. Lhotka*

WESTMIN RESOURCES LIMITED
 PREMIER GOLD PROJECT ASSAY LABORATORY

CERTIFICATE OF ASSAY

TO: PAUL LHOTKA

PROJECT >>> EXPL. BASEMETALS

DATE: 09-27-90

ASSAY LAB FILE: A092790.ALC

TRANSFER TEXT FILE: GB092790.OTC

PAGE: 1

SAMPLE TYPE: ORIGINALS

=====

SAMPLE IDENTITY	Ag	Cu	Pb	Zn	÷ 10000
	g\ton	ppm	ppm	ppm	
27378	13.0	451.0	1040.0	6450.00	
27382	24.0	356.0	1350.0	4250.00	
27383	51.0	725.0	4290.0	9320.00	
27384	25.0	575.0	740.0	2170.00	
27385	10.0	748.0	760.0	2800.00	
27386	11.0	437.0	570.0	1890.00	
27387	8.0	291.0	480.0	2940.00	
27389	20.0	1157.0	430.0	1590.00	
27391	2.0	112.0	100.0	1400.00	
28603	5.0	220.0	190.0	610.00	
28604	1.0	61.0	330.0	380.00	
28605	12.0	226.0	2750.0	1250.00	
28608	2.0	53.0	650.0	670.00	
27393	4.0	239.0	220.0	4740.00	
27394	5.0	119.0	140.0	2190.00	
27395	5.0	234.0	190.0	3290.00	
27397	8.0	691.0	270.0	4290.00	
27398	8.0	328.0	240.0	2290.00	
27399	4.0	124.0	210.0	1780.00	
27400	67.0	4710.0	14800.0	28500.00	
28614	22.0	1350.0	5800.0	8800.00	
28615	47.0	1480.0	6630.0	35000.00	
28616	10.0	472.0	1280.0	5380.00	
28617	115.0	1780.0	5840.0	10600.00	
28611 ← marked incorrectly	12.0	271.0	440.0	3130.00	
28613	10.0	524.0	610.0	2570.00	
1	22.0	1042.0	4190.0	15400.00	
2	12.0	809.0	2240.0	11300.00	
3	1.0	41.0	60.0	1050.00	
4	6.0	197.0	250.0	4350.00	

PREMIER GOLD PROJECT ASSAY LABORATORY.

certified by ... *R. Paul*

WESTMIN RESOURCES LIMITED
PREMIER GOLD PROJECT ASSAY LABORATORY

CERTIFICATE OF ASSAY

TO: PAUL LHOTKA

PROJECT >>> EXPL. BASEMETALS

DATE: 09-27-90

ASSAY LAB FILE: A092790.ALC

TRANSFER TEXT FILE: GB092790.OTC

PAGE: 2

SAMPLE TYPE: ORIGINALS

SAMPLE IDENTITY	Ag g\ton	Cu ppm	Pb ppm	Zn ppm
5	8.0	270.0	140.0	1170.00
6	169.0	10720.0	1520.0	6200.00
7	14.0	532.0	1850.0	5140.00
8	49.0	1720.0	1100.0	5320.00
9	96.0	3210.0	3300.0	5930.00
10	11.0	563.0	430.0	2440.00
11	3.0	134.0	130.0	490.00
12	25.0	1190.0	620.0	2710.00
13	16.0	3890.0	3840.0	11500.00
14	317.0	9560.0	5120.0	19100.00

PREMIER GOLD PROJECT ASSAY LABORATORY.

certified by *RCSA*

WESTMIN RESOURCES LIMITED
 PREMIER GOLD PROJECT ASSAY LABORATORY

CERTIFICATE OF ASSAY

TO: PAUL LHOTKA

PROJECT >>> EXPL. BASEMETALS

DATE: 10-06-90

ASSAY LAB FILE: A100690.ALA

TRANSFER TEXT FILE: GB100690.OTA

PAGE: 1

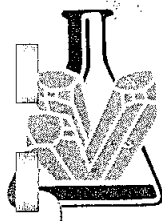
SAMPLE TYPE: ORIGINALS

SAMPLE IDENTITY	Ag g\ton	Cu ppm	Pb ppm	Zn ppm
28618	18.0	910.0	2290.0	10500.00
28619	14.0	520.0	2000.0	4680.00
28620	21.0	590.0	3210.0	4900.00
28621	37.0	1190.0	700.0	2690.00
28622	15.0	520.0	430.0	990.00
28623	4.0	249.0	90.0	2180.00
28624	8.0	235.0	390.0	4920.00
28625	15.0	117.0	340.0	1660.00
28626	2.0	62.0	120.0	880.00
28627	4.0	49.0	1320.0	640.00
28628	81.0	2180.0	1510.0	3260.00
28629	22.0	489.0	1500.0	1680.00
28630	30.0	1940.0	620.0	3010.00
28631	30.0	760.0	980.0	2870.00
SNOW FIELDS O.B.	2.0	22.0	20.0	90.00

L10100N 0425W
 (Snowfields Grid)

PREMIER GOLD PROJECT ASSAY LABORATORY.

certified by *Linda*.....



MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OS-0604-RG1

Company: WESTMIN RESOURCES LTD.
Project: PREMIER-SILBAK (SNOWFIELDS)
Attn: P. LHOTKA/D. BUNDRED

Date: OCT-08-90

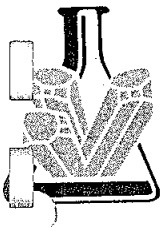
Copy 1. WESTMIN RESOURCES LTD., VANCOUVER, B.C.
2. WESTMIN RESOURCES LTD., STEWART, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted SEP-26-90 by OWEN BUNDRED.

Sample Number	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM
L0+00S 0+00W	53	9.6	182	290	236
L0+00S 0+25W	17	1.3	36	35	48
L1+00S 0+00BL	148	4.9	113	175	311
L1+00S 0+75W	122	9.0	157	550	956
L1+00S 1+00W	1	11.7	108	1200	200
L1+00S 1+25W	21	9.8	178	410	936
L2+00S 0+25W	1	2.4	46	45	133
L2+00S 0+50W	20	6.2	141	500	492
L2+00S 0+75W	1	7.4	96	75	129
L2+00S 1+00W	52	3.6	95	145	269
L2+00S 1+25W	21	3.4	30	65	71
L2+00S 1+50W	18	3.9	80	108	316
L2+00S 1+75W	42	4.3	114	270	398
L3+00S 3+00W	38	2.4	69	70	91
L3+00S 0+25W	18	5.4	233	300	358
L3+00S 0+50W	1	8.0	49	85	123
L3+00S 0+75W	58	4.1	79	250	1001
L3+00S 1+00W	1	1.6	44	30	70
L3+00S 1+25W	1	.9	33	40	72
L3+00S 1+50W	1	6.6	20	25	38
L3+00S 1+75W	1	5.4	74	250	256
L3+00S 2+00W	15	.9	16	20	59
L3+00S 2+25W	2	4.3	138	465	914
L3+00S 2+50W	24	5.4	72	435	390
L3+00S 2+75W	1	1.0	27	30	39
L4+00S 0+00W	1	2.4	114	60	251
L4+00S 0+25W	58	3.4	100	245	955
L4+00S 0+50W	1	1.6	20	105	68
L4+00S 0+75W	56	6.4	225	570	3405
L4+00S 1+00W	41	5.4	192	335	929

Certified by

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OS-0604-RG2

Company: **WESTMIN RESOURCES LTD.**
Project: **PREMIER-SILBAK (SNOWFIELDS)**
Attn: **P. LHOTKA/D. BUNDRED**

Date: **OCT-08-90**
Copy 1. WESTMIN RESOURCES LTD., VANCOUVER, B.C.
2. WESTMIN RESOURCES LTD., STEWART, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted SEP-26-90 by OWEN BUNDRED.

Sample Number	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM
L4+00S 1+25W	68	10.6	99	220	206
L4+00S 1+50W	122	7.8	123	170	329
L4+00S 1+75W	27	3.8	62	160	173
L4+00S 2+00W	12	1.6	101	80	246
L4+00S 2+25W	50	2.2	127	75	319
L5+00S 0+00W	47	2.6	143	70	269
L5+00S 0+25W	10	3.5	132	225	9045
L5+00S 0+50W	12	2.6	26	25	153
L5+00S 0+75W	1	14.8	214	205	184
L5+00S 1+00W	1	4.0	59	50	212
L5+00S 1+25W	1	7.8	33	35	117
L5+00S 1+50W	33	1.4	10	30	155
L5+00S 1+75W	1	1.2	24	22	102
L5+00S 2+00W	1	3.6	72	155	271
L5+00S 2+25W	1	4.0	63	125	250
L6+00S 0+00W	1	6.8	13	15	48
L6+00S 0+25W	15	5.0	65	33	7573
L6+00S 0+50W	1	1.2	8	15	40
L6+00S 0+75W	1	2.5	17	38	70
L6+00S 1+00W	1	10.0	133	3200	933
L6+00S 1+25W	1	5.2	40	190	906
L6+00S 1+50W	1	6.1	71	53	116
L6+00S 1+75W	40	5.9	142	280	268
L6+00S 2+00W	7	6.8	65	60	133
L6+00S 2+25W	30	2.6	28	38	114
L7+00S BLO+25W	1	2.5	38	100	129
L7+00S 0+25W	1	2.6	129	47	8670
L7+00S 0+50W	1	2.9	138	45	6435
L7+00S 1+00W	1	4.2	36	40	5355
L7+00S 1+25W	1	2.0	120	43	9180

Certified by

MIN-EN LABORATORIES

Geochemical Analysis Certificate

OS-0604-RG3

Company: WESTMIN RESOURCES LTD.
Project: PREMIER-SILBAK (SNOWFIELDS)
Attn: P. LHOTKA/D. BUNDRED

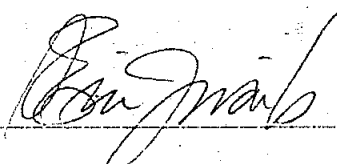
Date: OCT-08-90

Copy 1. WESTMIN RESOURCES LTD., VANCOUVER, B.C.
2. WESTMIN RESOURCES LTD., STEWART, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted SEP-26-90 by OWEN BUNDRED.

Sample Number	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM
LN7+00S 1+75W	1	9.4	100	250	7785
LN7+00S 2+00W	1	3.4	37	42	95
LN7+00S 2+25W	80	16.0	187	1160	4710
LN8+00 0+25W	65	5.7	127	75	164
LN8+00 0+50W	36	4.8	95	152	225
LN8+00 0+75W	10	.8	28	25	71
LN8+00 1+00W	42	1.7	27	30	77
LN8+00 1+25W	8	1.8	23	28	65
LN8+00 1+50W	1	2.0	21	42	74
LN8+00 1+75W	1	2.4	23	37	84
LN8+00 2+00W	1	2.9	24	43	91
LN9+00 0+25W	1	12.5	94	190	296
LN9+00 0+50W	1	2.2	55	45	135
LN9+00 0+75W	26	14.0	225	430	4860
LN9+00 1+00W	5	3.0	89	65	129
LN9+00 1+25W	1	4.6	37	75	208
LN9+00 1+50W	1	2.4	20	38	74
LN9+00 1+75W	93	6.9	103	325	322
LN9+00 2+00W	3	2.3	43	30	64
LN9+00 2+25W	1	11.9	129	75	105
LN10+00S 0+25W	6	8.0	84	230	356
LN10+00S 0+50W	1	5.0	120	295	336
LN10+00S 0+75W	1	9.2	30	55	121
LN10+00S 1+00W	1	1.4	36	40	71
LN10+00S 1+25W	1	1.2	33	42	96
LN11+00S 0+25W	42	2.2	72	245	6555
LN11+00S 0+50W	1	4.8	125	105	5550
LN11+00S 1+00W	5	1.4	57	44	116
LN11+00S 1+25W	1	1.1	30	46	74
LN12+00S 0+25W	22	7.4	205	95	127

Certified by



Geochemical Analysis Certificate

OS-0604-RG4

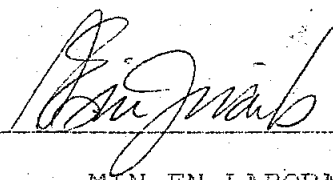
Company: WESTMIN RESOURCES LTD.
Project: PREMIER-SILBAK (SNOWFIELDS)
Attn: P. LHOTKA/O. BUNDRED

Date: OCT-08-90
Copy 1. WESTMIN RESOURCES LTD., VANCOUVER, B.C.
2. WESTMIN RESOURCES LTD., STEWART, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted SEP-26-90 by OWEN BUNDRED.

Sample Number	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM
LN12+00S 0+50W	27	0.3	7	15	28
LN12+00S 0+75W	57	2.2	23	55	125
LN12+00S 1+00W	60	0.8	14	25	53
LN12+00S 1+25W	41	3.6	169	67	130
LN12+00S 1+50W	1	1.4	56	31	110
LN12+00S 1+75W	3	2.9	28	42	410
LN13+00S 0+25W	38	6.4	115	168	291
LN13+00S 0+50W	1	7.6	43	940	134
LN13+00S 1+00W	1	1.9	55	30	208
LN13+00S 1+25W	1	1.8	40	89	235
LN13+00S 1+50W	1	5.1	52	165	184
LN13+00S 1+75W	1	4.8	19	30	60
LN13+00S 2+00W	58	7.0	149	610	441
LN14+00S 0+25W	32	2.7	22	66	95
LN14+00S 0+50W	1	9.0	292	430	5925
LN14+00S 0+75W	1	1.6	26	40	97
LN1+00S 0+25E	172	7.8	92	237	187
LN1+00S 0+50E	31	3.8	104	220	149
BL2+00 0+00E	17	2.0	18	21	50
BL2+00 0+25E	15	1.9	35	29	47
BL2+00 0+50E	158	13.4	68	205	919
L3+00S 0+00E	17	3.4	86	50	92
L3+00S 0+25E	6	7.2	35	55	115
L3+00S 0+50E	40	4.6	47	145	215
L3+00S 0+75E	22	3.6	87	255	509
L4+00S 0+25E	26	5.9	122	120	328
L4+00S 0+50E	15	1.2	50	42	185
L4+00S 0+75E	20	7.2	221	132	5850
L4+00S 1+00E	21	2.4	26	75	98
L4+00S 1+25E	1	0.6	15	12	51

Certified by



Geochemical Analysis Certificate

OS-0604-RG5

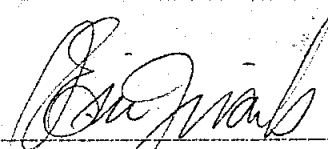
Company: WESTMIN RESOURCES LTD.
Project: PREMIER-SILBAK (SNOWFIELDS)
Attn: P. LHOTKA/D. BUNDRED

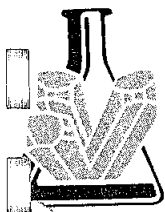
Date: OCT-08-90
Copy 1. WESTMIN RESOURCES LTD., VANCOUVER, B.C.
2. WESTMIN RESOURCES LTD., STEWART, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted SEP-26-90 by OWEN BUNDRED.

Sample Number	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM
L5+00S 0+25E	11	0.9	49	21	84
L5+00S 0+50E	20	2.4	18	56	95
L5+00S 0+75E	1	0.9	11	23	31
L6+00S 0+25E	41	4.6	115	114	636
L6+00S 0+50E	15	1.0	17	26	64
L6+00S 0+75E	32	4.6	52	145	95
L7+00S 0+25E	40	11.6	639	198	12690
L7+00S 0+50E	136	12.4	201	478	868
L8+00S 0+00E	99	2.0	56	40	984
L8+00S 0+25E	1	2.9	25	45	91
L9+00S 0+00E	1	2.8	91	69	270
L9+00S 0+25E	1	2.0	81	225	999
L10+00S 0+00E	12	3.8	233	1160	8025
L10+00S 0+25E	42	1.9	239	183	4845
L10+00S 0+50E	49	5.8	160	130	7875
L10+00S 0+75E	7	2.0	91	60	196
L11+00S 0+00E	41	8.0	163	240	8565
L11+00S 0+25E	6	0.8	23	20	95
L11+00S 0+50E	15	2.8	108	202	929
L12+00S 0+00E	32	2.2	47	59	103
L13+00S 0+00E	60	5.0	80	440	327
L13+00S 0+25E	46	2.2	65	164	167
L13+00S 0+50E	59	2.1	97	175	145
L13+00S 0+75E	48	1.8	27	63	80
L13+00S 1+00E	1	1.4	17	75	47
L13+00S 1+25E	4	1.2	14	40	37
L14+00S 0+25E	18	3.9	101	480	377
L14+00S 0+50E	12	1.6	45	84	132
L14+00S 0+75E	3	3.2	82	123	202
L14+00S 1+00E	1	3.4	112	146	180

Certified by





MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OS-0604-RG6

Company: WESTMIN RESOURCES LTD.
Project: PREMIER-SILBAK (SNOWFIELDS)
Attn: P. LHOTKA

Date: OCT-05-90
Copy 1. WESTMIN RESOURCES LTD., VANCOUVER, B.C.
2. WESTMIN RESOURCES LTD., STEWART, B.C.

We hereby certify the following Geochemical Analysis of 4 SOIL samples submitted SEP-26-90 by OWEN BUNDRED.

Sample Number	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM
L14+00S 1+25E	2	2.1	16	22	35
L14+00S 1+50E	1	1.2	18	49	94
L14+00S 1+75E	17	1.8	36	33	80
L14+00S 2+00E	25	7.3	187	143	177

Certified by _____

MIN-EN LABORATORIES

Geochemical Analysis Certificate

OS-0604-RG7

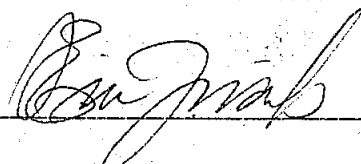
Company: **WESTMIN RESOURCES LTD.**
 Project: **PREMIER-SILBAK (SNOWFIELDS)**
 Attn: **P. LHOTKA**

Date: **OCT-05-90**
 Copy 1. **WESTMIN RESOURCES LTD., VANCOUVER, B.C.**
 2. **WESTMIN RESOURCES LTD., STEWART, B.C.**

We hereby certify the following Geochemical Analysis of 2 SILT samples submitted SEP-26-90 by OWEN BUNDRED.

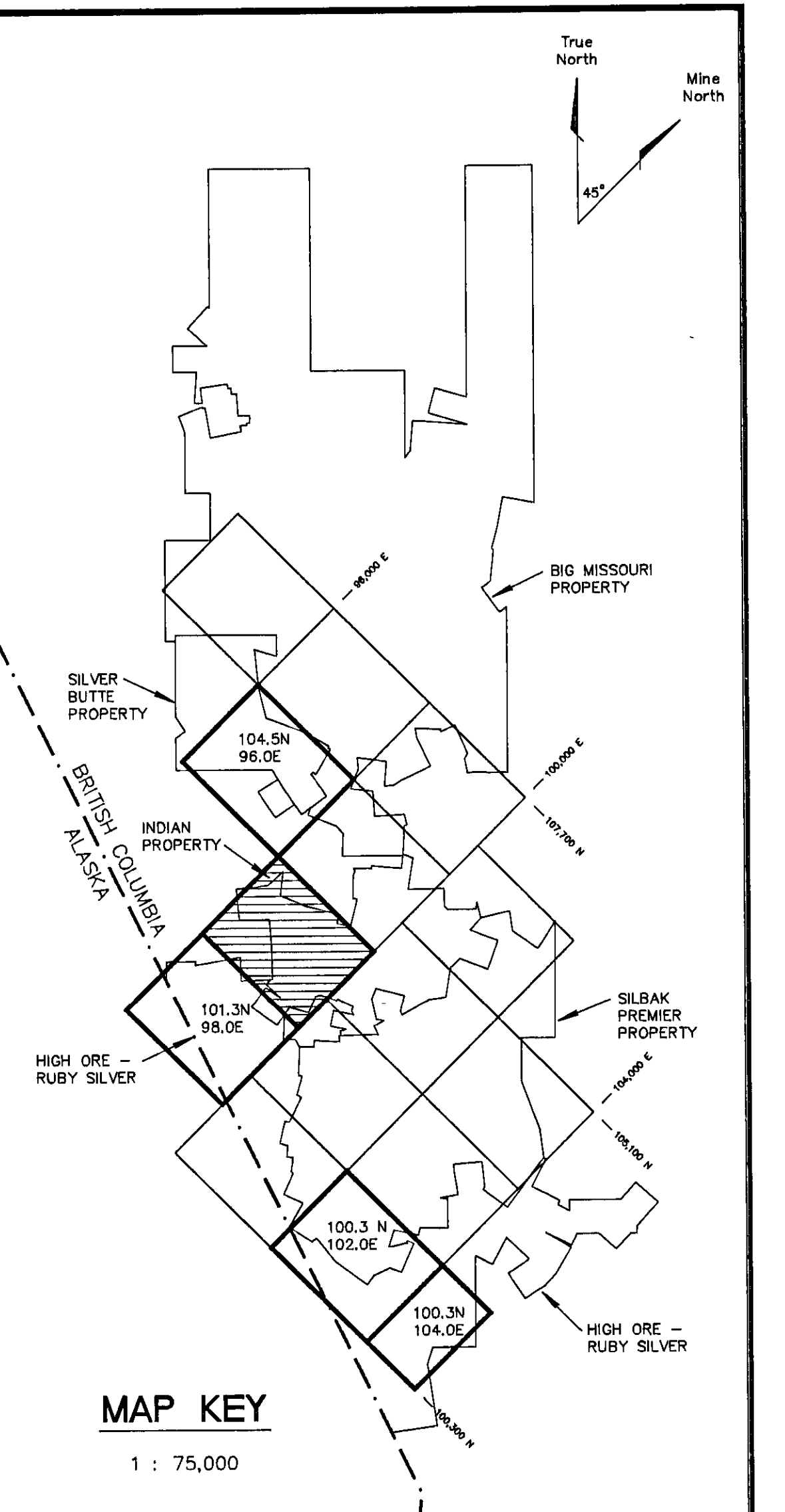
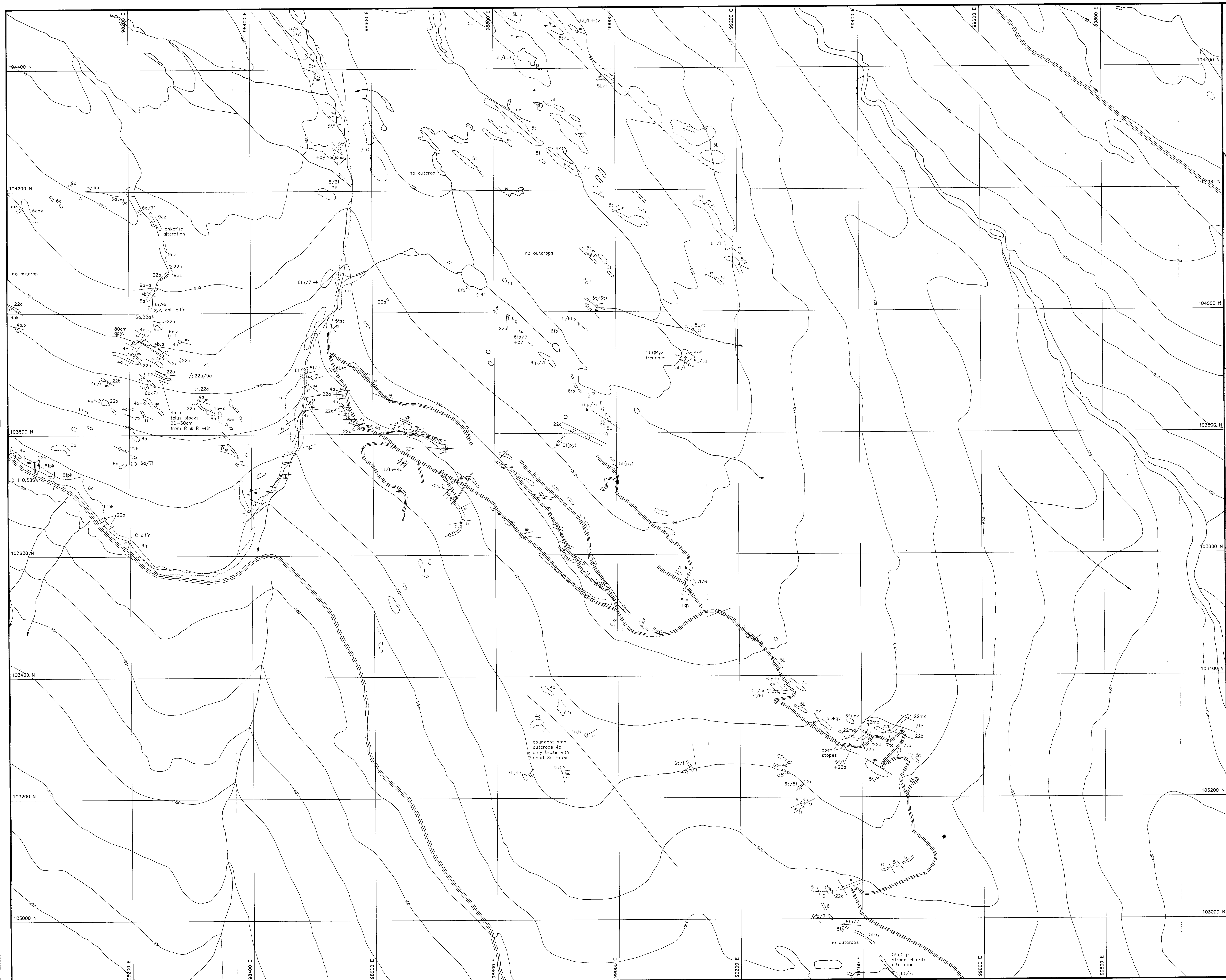
Sample Number	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM
L13+50N 3+25W	2	1.7	31	27	58
L7+00S 1+50W	6	5.3	158	470	4545

Certified by _____



APPENDIX C - 1:2000 Geology Maps

APPENDIX D - 1:2000 Soil Geochem. Maps



- LEGEND**
- 22** Andesite/Diorite Dyke (Tertiary)
 - 22a aphanitic-very fine grained
 - b fine grained esite/micro-diorite
 - c glomeroporphyritic-plagioclasic phenocrysts
 - 21** Portland Canal and Hyder Dyke (Eocene) Latite to Dacite-minor Dacite
 - 21v vuggy quartz veins
 - a leucocratic latite
 - b porphyritic granodiorite
 - c leucocratic dacite-rhyodacite
 - d diorite
 - 9** Andesite-Basaltic Andesite (Flows, Volcaniclastics)
 - 9a undifferentiated flow/tuff
 - f flow, fine grained
 - t tuff, fine grained
 - x volcanic breccia
 - d pyroclastic andesite-latite
 - z altered andesite
 - 7** Latite-Dacite Sub-Volcanic Intrusive Rocks
 - 7i massive, fine grained intrusion
 - k k-feldspar porphyritic intrusion
 - c aphanitic-pyritic intrusion
 - t tuffaceous, fine grained
 - p porphyritic, feldspar-biorite-hornblende
 - 6** Porphyritic Dacite-Latite Flows and Volcanics
 - 6a undifferentiated latite-dacite volcanics
 - f plagioclasic porphyritic latite
 - tc porphyritic latite-dacite
 - ak porphyritic dacite
 - z massive aphanitic rock, strongly altered
 - lt lapilli-tuff
 - 5** Andesite Latite-Latite Flow-Volcaniclastic
 - 5t fine, dark green-maroon tuff
 - lx tuff-breccia
 - lt lapilli-tuff
 - lpm maroon porphyritic lapilli-tuff
 - fpm maroon porphyritic flow
 - lp porphyritic lapilli-tuff
 - 4** Argillite-Siltstone, Andesitic Siltstone
 - 4a black argillite-minor greywacke
 - b black-green argillite
 - c mixed argillite with andesite fragments

- SYMBOLS**
- Fault
 - Outcrop
 - Showing
 - Dyke
 - Bedding
 - Vertical Foliation
 - Foliation Dipping
 - Trench
 - Lineation
 - Veining
 - Jointing

WESTMIN **21,810** **ASSESSMENT REPORT** **Westmin Resources Limited**

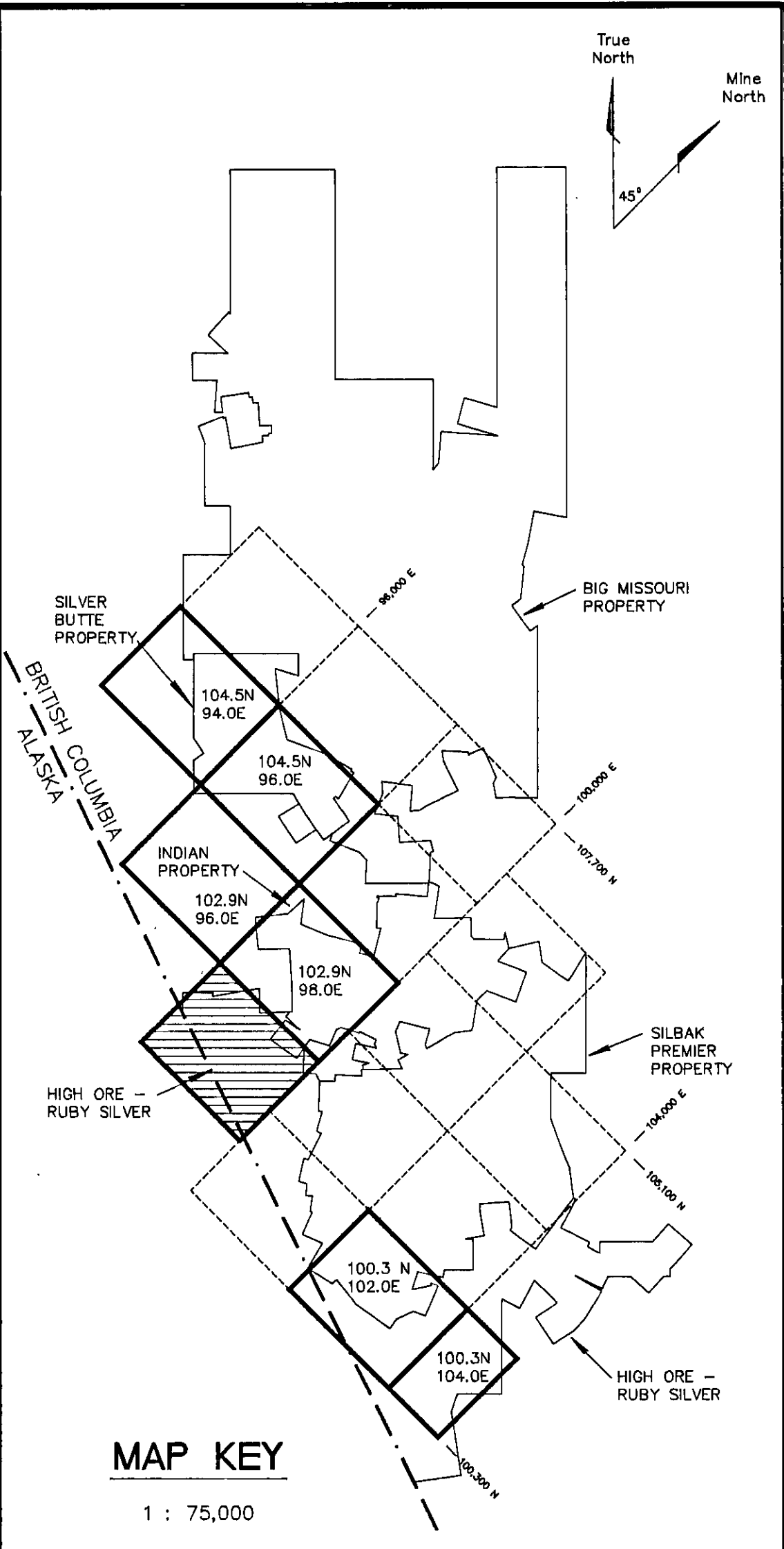
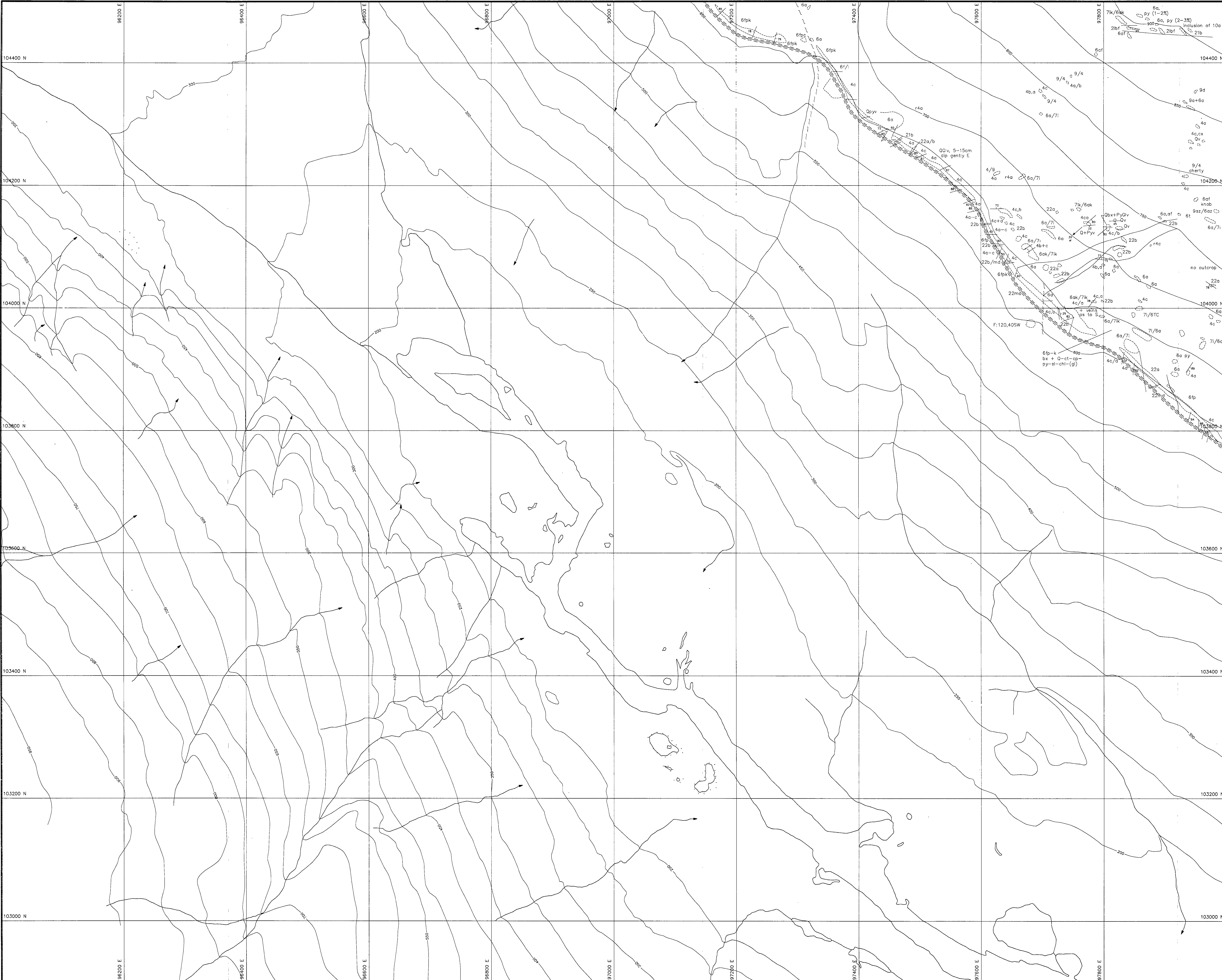
SNOWFIELDS PROJECT
GEOLOGY MAP (Appendix E)

Work By	O. Bundred
Date Drafted	June 1991
Checked By	F. Heptonstall
Date Revised	
Revised By	

N.T.S. Number 10487/E
File Name Indian_2

Scale 1 : 2000

Figure 4a



- LEGEND**
- 22** Andesite/Diorite Dyke (Tertiary)
 - 22a aphanitic-very fine grained
 - b fine grained esite/micro-diorite
 - c glomeroporphyritic-plagioclasic phenocrysts
 - 21** Portland Canal and Hyder Dyke (Eocene)
 - Latite to Dacite-minor Dacite
 - 21v vuggy quartz veins
 - a leucocratic latite
 - b porphyritic granodiorite
 - c leucocratic dacite-rhyodacite
 - d diorite
 - 9** Andesite-Basaltic Andesite (Flows, Volcaniclastics)
 - 9a undifferentiated flow/tuff
 - f flow, fine grained
 - t tuff, fine grained
 - x volcanic breccia
 - d pyroclastic andesite-latite
 - z altered andesite
 - 7** Latite-Dacite Sub-Volcanic Intrusive Rocks
 - 7i massive, fine grained intrusion
 - k k-feldspar porphyritic intrusion
 - c aphanitic-pyritic intrusion
 - t tufaceous, fine grained
 - p porphyritic, feldspar-biorite-hornblende
 - 6** Porphyritic Dacite-Latite Flows and Volcanics
 - 6a undifferentiated latite-dacite volcanics
 - f plagioclasic porphyritic latite
 - tc porphyritic latite-dacite
 - ak porphyritic dacite
 - z massive aphanitic rock, strongly altered
 - it lapilli-tuff
 - 5** Andesite Latite-Latite Flow-Volcaniclastic
 - 5t fine, dark green-maroon tuff
 - ix tuff-breccia
 - lt lapilli-tuff
 - lpm maroon porphyritic lapilli-tuff
 - fpm maroon porphyritic flow
 - lp porphyritic lapilli-tuff
 - 4** Argillite-Siltstone, Andesitic Siltstone
 - 4a black argillite-minor greywacke
 - b black-green argillite
 - c mixed argillite with andesite fragments

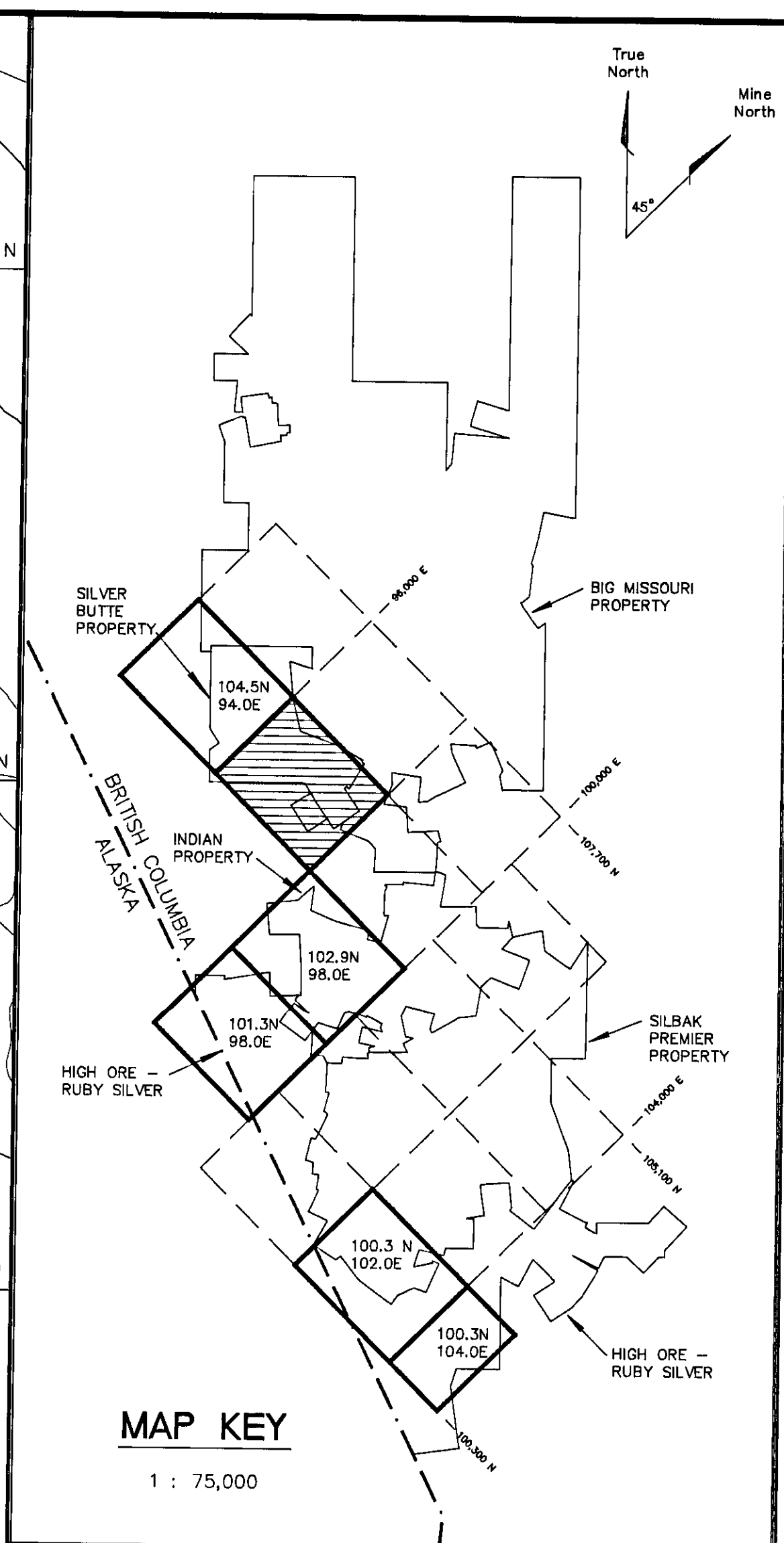
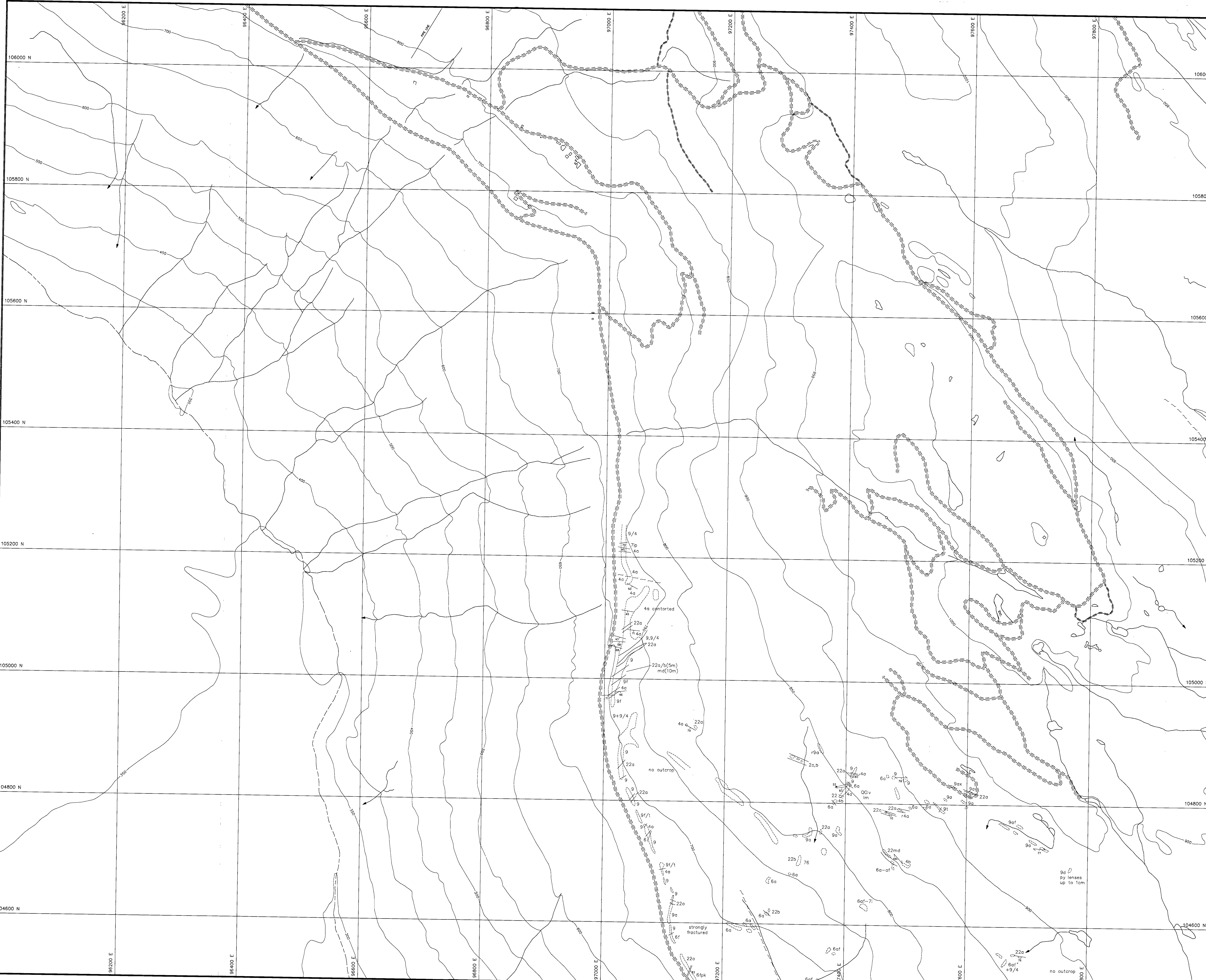
- SYMBOLS**
- Fault
 - Outcrop
 - Showing
 - Dyke
 - Bedding
 - Vertical Foliation
 - Foliation Dipping
 - Trench
 - Lineation
 - Veining
 - Jointing

GEOLOGICAL BRANCH ASSESSMENT REPORT

21,810

Westmin Resources Limited

Work By O. Bundred	SNOWFIELDS PROJECT
Date Drafted June 1991	GEOLOGY MAP (Appendix E)
Drafted By F. Heptonstal	
Date Revised	
Revised By	
N.T.S. Number 104B/E	Figure 4b
File Name Indag-7	 SCALE 1 : 2000



- LEGEND**
- 22** Andesite/Diorite Dyke (Tertiary)
 - 22a aphanitic-very fine grained
 - b fine grained esite/micro-diorite
 - c glomeroporphyritic-plagioclasic phenocrysts
 - 21** Portland Canal and Hyder Dyke (Eocene) Latite to Dacite-minor Dacite
 - 21v wuggy quartz veins
 - a leucocratic latite
 - b porphyritic granodiorite
 - c leucocratic dacite-rhyodacite
 - d diorite
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 - 9a undifferentiated flow/tuff
 - f flow, fine grained
 - t tuff, fine grained
 - x volcanic breccia
 - d pyroclastic andesite-latite
 - z altered andesite
 - 7** Latite-Dacite Sub-Volcanic Intrusive Rocks
 - 7i massive, fine grained intrusion
 - k k-feldspar porphyritic intrusion
 - c aphanitic-pyritic intrusion
 - t tuffaceous, fine grained
 - p porphyritic, feldspar-biotite-hornblende
 - 6** Porphyritic Dacite-Latite Flows and Volcanics
 - 6a undifferentiated latite-dacite volcanics
 - f plagioclasic porphyritic latite
 - tc porphyritic latite-dacite
 - ak porphyritic dacite
 - z massive aphanitic rock, strongly altered
 - lt lapilli-tuff
 - 5** Andesite Latite-Latite Flow-Volcaniclastic
 - 5t fine, dark green-maroon tuff
 - lx tuff-breccia
 - lt lapilli-tuff
 - lpm maroon porphyritic lapilli-tuff
 - fpm maroon porphyritic flow
 - lp porphyritic lapilli-tuff
 - 4** Argillite-Siltstone, Andesitic Siltstone
 - 4a black argillite-minor greywacke
 - b black-green argillite
 - c mixed argillite with andesite fragments

- SYMBOLS**
- Fault
 - Outcrop
 - Showing
 - Dyke
 - Bedding
 - Vertical Foliation
 - Foliation Dipping
 - Trench
 - Lineation
 - Veining
 - Jointing

21,810

Westmin Resources Limited

SNOWFIELDS PROJECT

GEOLOGY MAP (Appendix E)

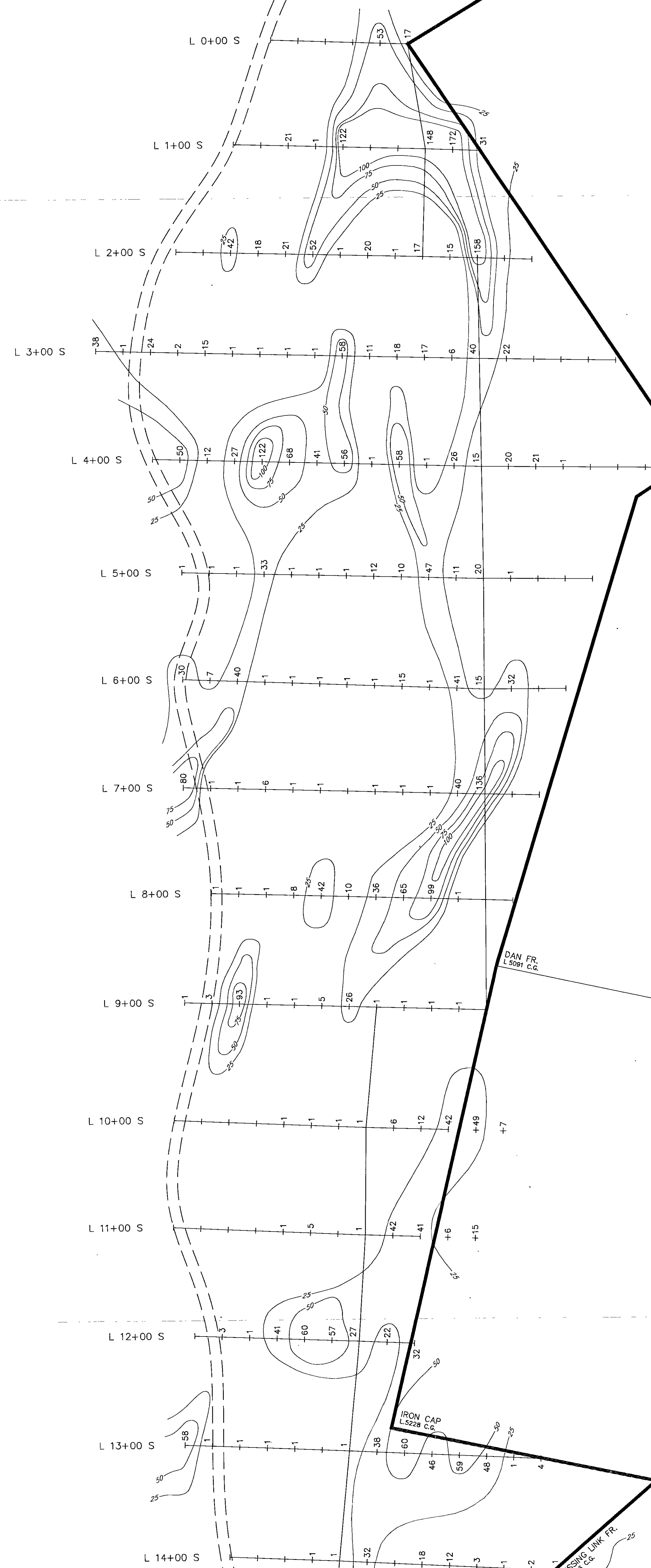
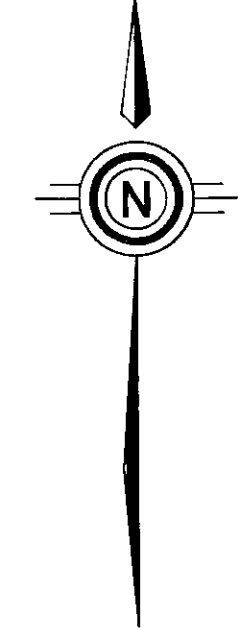
Work By: G. Bundred
Date Drafted: June 1991
Drafted By: F. Hoagland
Date Revised:
Revised By:

N.T.S. Number: 1048/7E
File Name: SILVER_5

SCALE 1 : 2000

Figure 4c

BIG MISSOURI
L.338 (Rev. C.C. L.327)
KANSAS
L.218 C.C.



PETITE FR.
L.3942 C.C.
FALLS VIEW
L.451 (Rev. C.C. L.325)

IDAHO
L.5258 C.C.

DAN FR.
L.5091 C.C.

IDAHO FR.
L.4241 C.C.
SILVER COIN
L.2857 C.C.

WOLF CANYON FR.
L.5253 C.C.

AMADEUS FR.
L.5274 (Rev. C.C. L.5526)
PAY ROLL #4
L.5225 C.C.

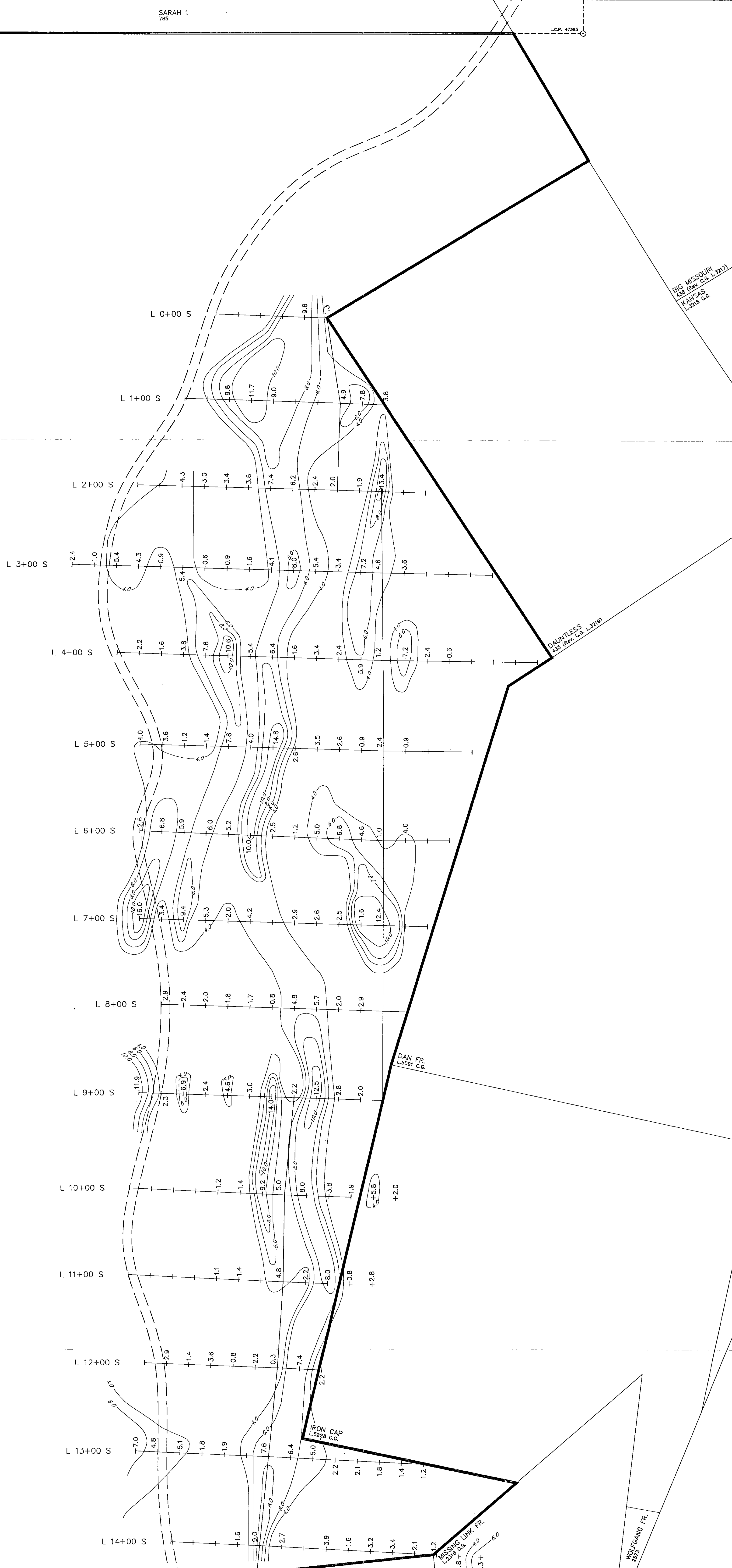
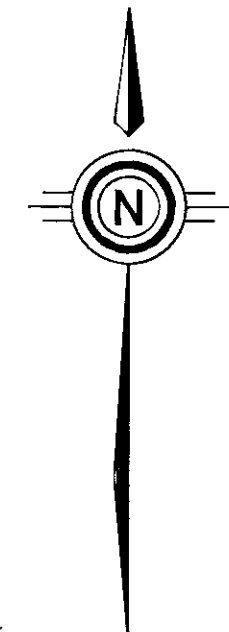
BOUNDARY #2
L.2315 C.C.

- Au CONTOURS
- 25-49 ppb
 - 50-74 ppb
 - 75-99 ppb
 - > 100 ppb

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

21,810

Work By O. Bundred	<p>SNOWFIELDS PROJECT Au SOIL GEOCHEMISTRY MAP</p> <p>N.T.S. Number 104 B/1</p> <p>File Name SNOW_AU</p>
Date Drafted 06/07/91	
Drafted By E.A. Ivany	
Date Revised	
Revised By	
SCALE 1 : 2,000	Figure 7a



- Ag CONTOURS
- 4.0-5.9 ppm
 - 6.0-7.9 ppm
 - 8.0-9.9 ppm
 - > 10 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,810

Westmin Resources Limited	
Work By O. Bundred	SNOWFIELDS PROJECT Ag SOIL GEOCHEMISTRY MAP
Date Drafted 16/07/91	
Drafted By F. Heptonstall	
Date Revised	
Revised By	
N.T.S. Number 104 B/1	
File Name SNOW_AG	Figure 7b

AMADEUS FR.
L.5528 c.c.
PAY ROLL #4
L.5528 c.c.

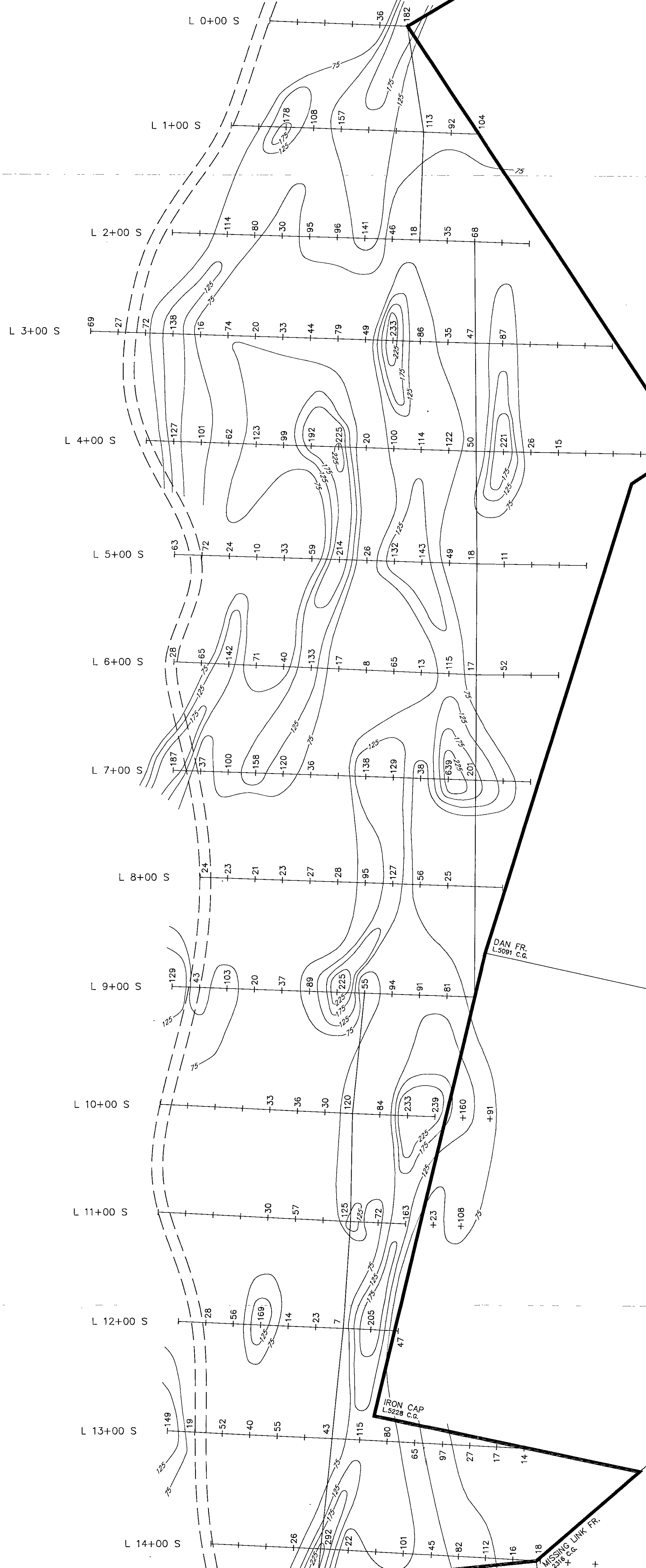
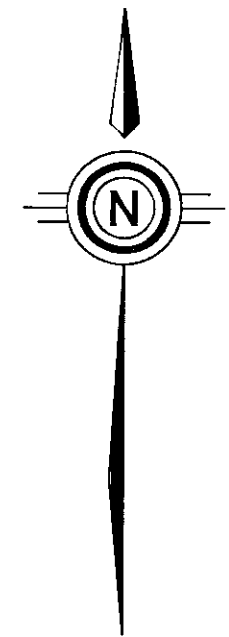
BOUNDARY #2
L. 2315 c.c.

SARAH 1
785

L.C.P. 47385

WHEP
437
(Rev. C.C. L.3212)

BIG MISSOURI
438
(Rev. C.C. L.3217)
FRANCIS
L.3218 C.C.



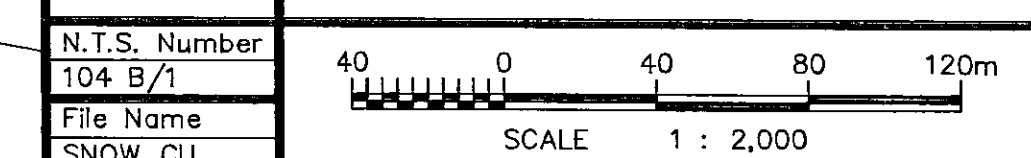
- Cu CONTOURS**
- 75-124 ppm
 - 125-174 ppm
 - 175-224 ppm
 - > 225 ppm

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

21,810

Westmin Resources Limited

Work By	O. Bundred
Date Drafted	09/07/91
Drafted By	R.A. Ivany
Date Revised	
SNOWFIELDS PROJECT	
Cu SOIL GEOCHEMISTRY MAP	
N.T.S. Number	104 B/1
File Name	SNOW_CU
Scale	1 : 2,000
Figure	7c



BOUNDARY #2
L. 2315 C.C.

AMADEUS FR.
2374 (Rev. C.C. L.5526)
PAY ROLL #4
L.5525 C.C.

WOLFGANG FR.
252

IOAHU FR.
L.2844 C.C.
SILVER COIN
L. 2837 C.C.

DAN FR.
L.5091 C.C.

DAUNTLESS
L.53 (Rev. C.C. L.3219)

ESQUITE FR.
L.3442 C.C.
FANLS VIEW
423 (Rev. C.C. L.3223)

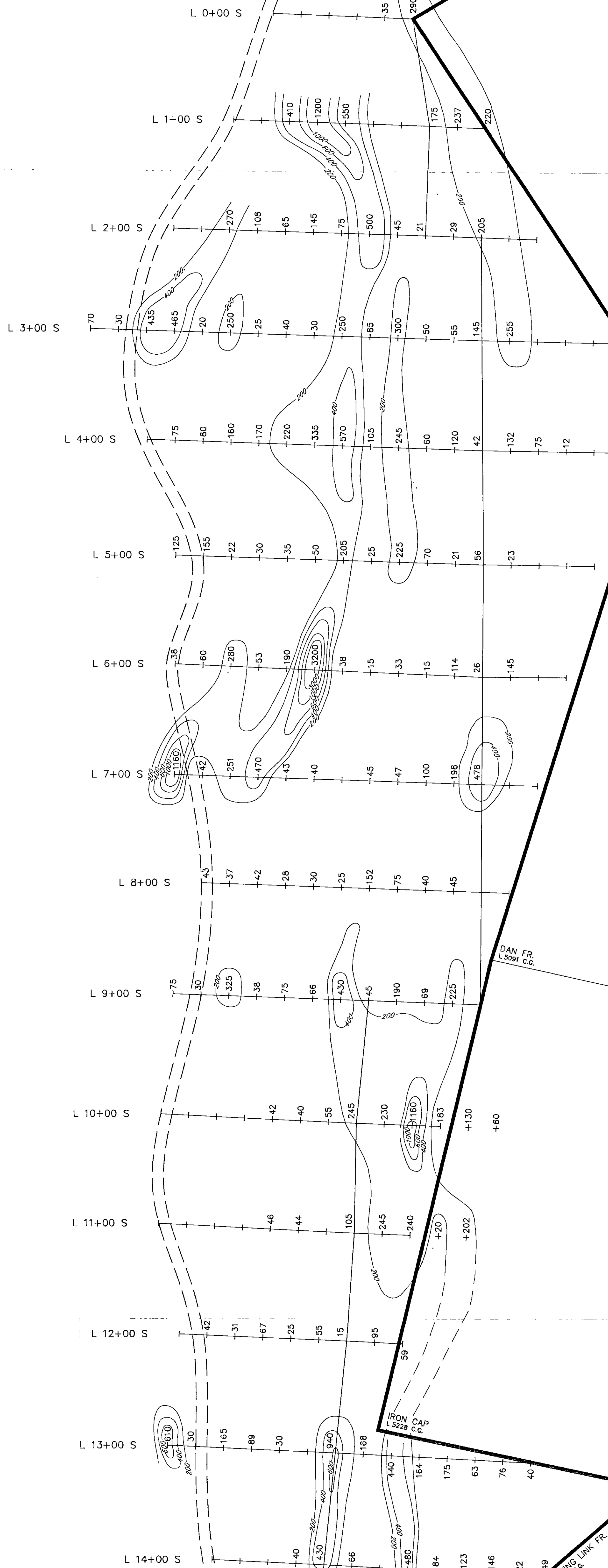
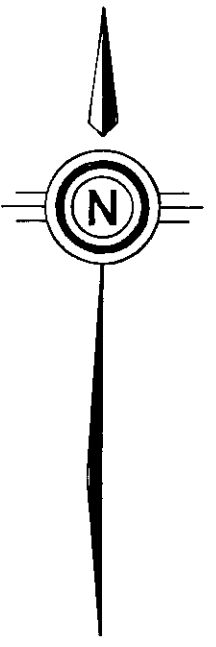
IOAHU
L.2836 C.C.

SARAH 1
785

L.C.P. 47365

WINNER
437 (Rev. C.C. L.3212)

BIG MESSOUR
FR. (Rev. C.C. L.3277)
KALISAS
L.318 C.C.



DANVILLE
FR. (Rev. C.C. L.3210)

PETITE FR.
L.2845 C.C.
FATIS WEN
L.431 (Rev. C.C. L.3223)

IDAHO
L.288 C.C.

DAN FR.
L.591 C.C.

IDAHO FR.
L.2841 C.C.
SILVER COIN
L.267 C.C.

BOUNDARY #2
L.2315 C.C.

IRON CAP
L.5228 C.C.

MISSING LINK FR.
L.337 C.C.

WOLF CANG FR.
L.857 C.C.

AMADEUS FR.
L.2574 (Rev. C.C. L.5528)
PAY ROLL #4
L.5825 C.C.

- Pb CONTOURS
- 200-399 ppm
 - 400-599 ppm
 - 600-999 ppm
 - 1000-2999 ppm

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

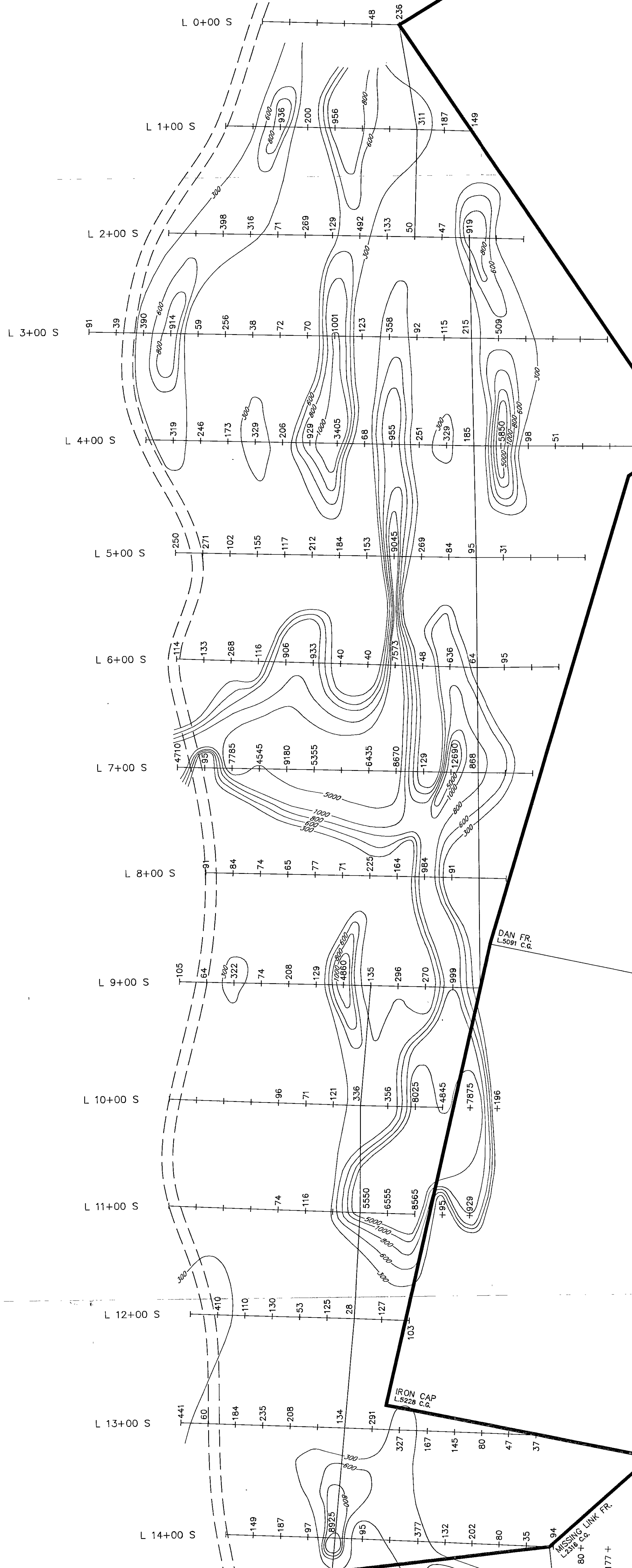
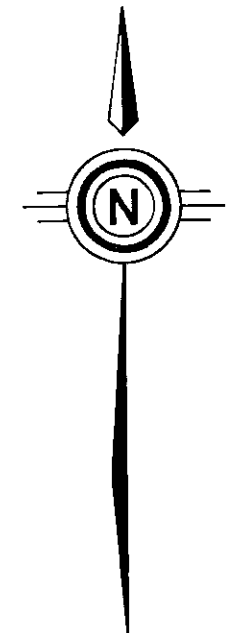
21,810

Westmin Resources Limited	
Work By	
Q. Bundled	
Date Drafted	06/07/01
Drafted By	R.A. Ivahy
Date Revised	
Revised By	
N.T.S. Number	104-9/A
File Name	SNOW_PB
SNOWFIELDS PROJECT Pb SOIL GEOCHEMISTRY MAP	
SCALE 1 : 2,000	
Figure 7d	

SARAH 1
785

L.C.P. 4788

WYNER
437 (Rev. c.c. L.3512)



PIG MISSOURI
232 (Rev. c.c. L.3217)
KANSAS
L.2818 c.c.

DANWITLESS
83 (Rev. c.c. L.3219)

PETITE FR.
L.2842 c.c.
FALLS VIEW
62 (Rev. c.c. L.3223)

IDAHO
L.2846 c.c.

DAN FR.
L.8091 c.c.

IDAHO FR.
L.2847 c.c.
SILVER COIN
L.2837 c.c.

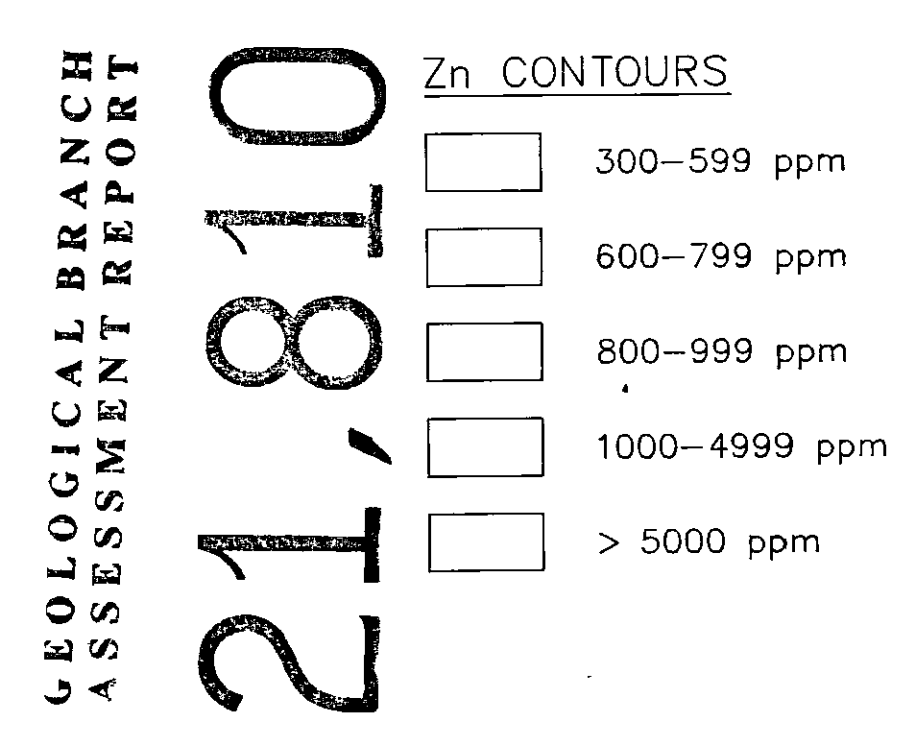
IRON CAP
L.8228 c.c.

MUSKOGEE
LEWIS & CLARK FR.
80 c.c. & L.3223
177 +

WILFRANC FR.
253

AMADEUS FR.
2374 (Rev. c.c. L.5526)
PAY ROLL #4
L.5825 c.c.

BOUNDARY #2
L.2315 c.c.



Westmin Resources Limited	
Work By O. Bundred	SNOWFIELDS PROJECT Zn SOIL GEOCHEMISTRY MAP
Date Drafted 05/07/91	
Drafted By R.A. Ivany	
Date Revised	
Revised By	
N.T.S. Number 104 B/1	Figure 7e
File Name SNOW_ZN	SCALE 1 : 2,000