

8162
PHONE 442-3933

CONSOLIDATED
BOUNDARY EXPLORATION LIMITED (N.P.L.)
P. O. BOX 929 1379 GRAND FORKS, B.C.

GRANVILLE MOUNTAIN PROJECT

8416

TRAIL CREEK M.D. 49° 12' N.
82 E / 1 E 118° 04' W

COMPLETE DRILLING & SURVEY REPORT

RE: IRON, EMPIRE, PERRY, HANS FR.,
NOBGET, LUCKY, DEN, GLENDALE MINERAL CLAIMS.

J. DAVID WILLIAMS 1980

Table of contents.

Cost statement

Diamond drill hole logs

Sample reports

Loring laboratories reports

Survey calculations

Survey station summaries

Radial survey details

Location maps. - back pocket.

lost statement.

Diamond drilling

1006 metres in 8 holes. \$42,446⁰⁰

Introduction.

The Granville Mountain project included diamond drilling 1006 metres in 8 holes located in the Trail Creek M.D., 18 km northeast of the Christina Lake community.

The object was to test the continuity of outcropping quartz veins that may contain gold and silver mineralization.

PRECAMBRIAN SHIELD RESOURCES, LTD.

D.D.H. NO.
GMP-1

Diamond Drill Hole Log ALBION FRACTION

Page 1/4

PURPOSE Test vertical extension & continuity of quartz vein visible on surface. Expected intersection 40-45m slope distance.

PROJECT LOCATION GRANVILLE MOUNTAIN
ALBION FRACTION (North) L12491

COLLAR Northing 4973.50 NOTES _____
Easting 5108.95 _____
Elevation 1706.90 _____

DRILLED Bearing 065° _____
Dip - 45° _____
Length 66.5 _____

Da·Mo·Yr Started 13-08-79 _____
Completed 16-08-79 _____
Logged 16-08-79 _____

DIP TESTS No. 0 _____

RESULTS No intersection was obtained which would qualify as a significant vein structure. Two quartz zones were cut but only contained 2.17cm of continuous quartz respectively. Each or both quartz intersections can be extended to the surface showing indicating a reduction in the strength, dimensions and continuity of the surface showing with depth.

GEOLOGIST J. DAVID WILLIAMS
Signature J. David Williams
DATE 20 Sept 1979

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-1

Diamond Drill Hole Log _____

PAGE TWO/A

DISTANCES		DESCRIPTION	S _x	SAMPLE NUMBER	ASSAYS		
FROM	TO						
0.0	1.22	OVERBIDDEN					
1.22	17.07	SYENITE					
		massive medium grained gneissic fabric, moderately magnetic, CI 15 due to hbde, light green epidote (~2%)					
		no fracture fillings < 2mm wide & freckles < 0.5cm Ø.					
		Fractures characterized by a weaker 0.5cm wide bleached zone.					
		Alteration / fr. filling strongest @ 15.54					
17.07	20.73	MAFIC DIKE (PERIDOTITE)					
		dark gray, moderately magnetic, fine-med grained, H~4.0					
		contains inhomogeneously distributed xenoliths ranging from					
		< 1mm - 15cm Ø, well rounded - smaller xenos w/ resorbed					
		perimeter. Mafic acicular euhedra (px?) predominant					
		plagioclase mineral. Matrix 70% by volume & aphanitic.					
		Upper contact gradational from: syenitic texture → dike					
		texture over 15cm. Xenos predominantly syenite w/					
		some coarse pink granite/syenite					
		Central zone 18.29-18.59 consists of med-fine grained					
		phlogopite as a major or sole constituent. Micro-					
		cataclastic texture prominent in this zone though it does					
		exist thruout dike width. Evidence of shearing.					

D-M-Y 20-09-79

GEOLOGIST J. Williams

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-1

Diamond Drill Hole Log _____

PAGE THREE/4

DISTANCES		DESCRIPTION	S _x	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
17.07	20.73	Mica rich bands present as narrow (<1cm wide) bands continued esp. near central zone. Shearing & banding 45°/CA				
		Epidote patchy as is pyrite (up to 5%); either contained in some veins. Minor calcite stringers 45°/CA	py → 5%			
		Dike rock weakly calcareous at centre, increasing to moderate near contacts. Moderate chloritic alteration thruout.				
20.73	27.89	SYENITE				
27.89	28.80	MAFIC DIKE (PERKINITE/DIABASE)				
		massive, homogeneous but w/ minor phlogopitic bands 70°/CA both syenite contacts abrupt but strongly altered over ~35cm				
28.80	35.05	SYENITE				
35.05	36.36	MAFIC DIKE (DIABASE)				
		4 discrete zones between 6 & 20cm wide interrupted by syenite. Hard, greyblack, fine grained, diabasic composition Contacts distinct & abrupt; most chilled & ~ 25°/CA Upper and lower contacts contain fine euhedral pyrite discs, (moderately calcareous, softer, lower color index, dimensions)				
		35.05-35.11	<5%	10526	0.01	0.02
		36.27-36.36	<5%	10527	Tr	0.02
36.36	42.52	SYENITE				

D-M-Y 20-09-79

GEOLOGIST J. Williams

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP - 1

Diamond Drill Hole Log _____

PAGE FOUR/4

DISTANCES		DESCRIPTION	S _x	SAMPLE NUMBER	ASSAYS	
FROM	TO				Al	Ag
42.52	42.76	QUARTZ/ALTERATION ZONE		10528	Tr	0.02
		Quartz ~ 2cm wide, white, coarse grained, vuggy w/ coarse (< 5mm side) euhedral pyrite; much limonite alt in	py			
		Alt in of syenite at contacts, esp lower one, contains up to 2% fine dia. py. decreasing w/ content & strength w/ distance from quartz.	py			
42.76	53.80	SYENITE				
		@ 36.88 12cm wide alteration zone containing two carbonate stringers bounded by darker syenite alteration				
53.80	57.64	SYENITE				
		noticeable increase in epidote content - slightly softer & moderately calcareous				
		56.02 - 56.85 - alteration strongest		10529	Tr	0.02
57.64	57.91	QUARTZ/ALTERATION ZONE		10530	Tr	0.01
		very similar to 42.52*	py			
		Quartz ~ 7cm wide containing up to 5% coarse euhedral pyrite & fine amorphous stringers ~ 2mm wide, discontinuous, 25% CA. Both contacts gradational, altered, containing fine dia. pyrite decreasing w/ distance from qtz contacts	py			
57.91	66.45	SYENITE				
66.45		END OF HOLE				

PRECAMBRIAN SHIELD RESOURCES LTD.

Diamond Drill Hole Log ALBION FRACTION

Page 1/5

PURPOSE Test vertical extension & continuity of quartz vein visible on surface. Expected intersection 35-40 m. slope distance.

PROJECT LOCATION GRANVILLE MOUNTAIN
ALBION FRACTION (North) L12491

COLLAR Northing 5027.03 Easting 5155.05 Elevation 1710.98

NOTES Drilling direction is parallel but opposite to that of GMP-1 and offset along strike of surface showings ~30 m. north.

DRILLED Bearing 245° Dip -45° Length 48.16

Da·Mo·Yr Started 17-08-79 Completed 19-08-79 Logged 20-08-79

DIP TESTS No. 0

RESULTS Only two narrow quartz zones were intersected - neither of any interest. The results of GMP-1 are confirmed - the two narrow veinlets in both GMP-1 & 2 plot in the same relative position to the surface exposures. Thus, at a vertical depth of 30-50 m the vein at surface loses strength and continuity. The breccia zone from 17.98 to 22.59 though mineralized is of no economic interest.

GEOLOGIST J. DAVID WILLIAMS
Signature J. David Williams
DATE 20-09-79

PRECAMBRIAN SHIELD RESOURCES LTD.

DDH NO.
GMP-2

Diamond Drill Hole Log _____

PAGE TWO/5

DISTANCES		DESCRIPTION	S _x	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
0.0	6.86	SYENITE massive CI ~15 due to hbls, granitic fabric minor chlorite alteration of hbls, patchy sparse clay alt of feldspars. Up to 10% epidote fracture filling & freckling. Quartz stringers (<1cm wide) @ 3.44 & 4.57 - no alteration halo.				
6.86	7.92	SYENITE ALTERATION ZONE preserved syenitic texture, softer, chloritization of hbls & sericitization of felds. Irreg & narrow qtz carb stringers <0.5cm wide, 35% CA. Up to 5% coarse euhedral pyrite, us rusty & often accompanied by very fine grained hematite.	py<5%			
		6.86 - 7.31		10531	Tr	0.10
		7.31 - 7.92		10532	Tr	0.04
7.92	9.69	SYENITE epidote alteration up to 15% in places.				
9.69	9.85	SYENITE ALTERATION ZONE alteration similar to 6.86. Atchlike contact; 1cm wide weakly mineralized (<2% py w/hem) irregular quartz stringer.	py<2% hem			

D-M-Y 20-09-79

GEOLOGIST J. Stukhous

PRECAMBRIAN SHIELD RESOURCES LTD.

DDH. NO.
GMP-2

Diamond Drill Hole Log _____

PAGE ~~THREE~~ / 5

DISTANCES		DESCRIPTION	S ₁	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
9.85	10.52	DIKE (DIABASE) dark gray/black, very fine grained; a strong but fine-medium grained cataclastic texture developed w/depth. Epidote, chlorite & hematite alteration also increasing w/depth. Occasional white calcite fracture fillings. 6cm wide alteration zone of syenite at lower contact.				
10.52	13.26	SYENITE notably bleached; epidote/carbonate zone @ 10.79 for 16cm				
13.26	15.27	SYENITE alteration weak but pervasive. Slightly more calcareous. stronger alteration zones containing hematite & epidote (depth/width) 13.26/10cm, 14.17/6cm, 14.54/4cm, 15.17/17cm. calcite alteration ←				
15.27	17.98	SYENITE hematite selvages on joint planes common 17.53-17.59 → 6cm wide gtz carb zone w/ <2% py	py <2%	10533	Tr	0.02

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-2

Diamond Drill Hole Log _____

PAGE FOUR/5

DISTANCES		DESCRIPTION	S _z	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
17.98	22.59	SYENITE ALTERATION & BRECCIA ZONE	py<2%			
		alteration variable but chloritization strongest at contacts w/ syenite and where brecciation strongest.				
		relatively unaltered syenite w/i zone occupying ~10% zone length.				
		pyrite content variable, approaching 2% in places & always as fine disse.				
		brecciation variable but very strong at its strongest.				
		17.98 - 18.75		10534	0.01	0.02
		18.75 - 19.05		10535	Tr	0.02
		19.05 - 19.96		10536	Tr	0.02
		19.96 - 20.88		10537	Tr	0.02
		20.88 - 21.03		10538	Tr	0.02
		21.03 - 21.85		10539	Tr	0.04
		21.85 - 21.95		10540	Tr	0.12
		22.25 - 22.59		10541	Tr	0.04
22.59	30.48	SYENITE				
		strong & persistent epidote alteration @ 28.65 for 70cm.				
30.48	31.15	QUARTZ & BRECCIA ZONE	py<2%	10542	0.01	0.04
		irregularly distributed & highly fractured quartz & altered syenite				
		py as irreg. streaks & as fine disseminated euhedra up to 2%				
		quartz continuous at 30.69 for 10cm!				
		31.12 for 12cm				

D-M-Y 20-09-79

GEOLOGIST J. Williams

DRILL HOLE DESCRIPTION AND ASSAYS

	SAMPLE NUMBER	FROM	TO	SAMPLE WIDTH	ASSAY	
					Au ^{oz/T}	Ag ^{oz/T}
Property INLAND EMPIRE	10531	6.86	7.31	0.45	Tr	0.10
At GRANVILLE MOUNTAIN	10532	7.31	7.92	0.61	Tr	0.04
Claim No. L12491	10533	17.53	17.59	0.06	Tr	0.02
Working Place ALBION FRACTIONS (North)	10534	17.93	18.75	0.77	0.01	0.01
Baseline Footage N 5027.03	10535	18.75	19.05	0.20	Tr	0.02
Baseline Offset E 5155.05	10536	19.05	19.96	0.91	Tr	0.02
Date Started 17-08-79	10537	19.96	20.88	0.92	Tr	0.02
Date Completed 19-08-79	10538	20.88	21.03	0.15	Tr	0.02
Date Logged 20-08-79	10539	21.03	21.85	0.82	Tr	0.04
Logged By J. DAVID WILLIAMS	10540	21.85	21.95	0.10	Tr	0.12
	10541	22.25	22.59	0.34	Tr	0.04
Dip -45"	10542	30.48	31.15	0.06	0.01	0.04
Length 48.16	10543	31.52	31.64	0.12	Tr	0.04
Azimuth 245°	10544	40.39	40.48	0.09	0.01	0.02
Elev. Collar 1710.98	10545	44.59	44.65	0.06	Tr	0.03
Horiz. Trace 34.1						
Vertical Trace 34.1						
Core Recovery ~100%						
Depth of Intersection --						
DIP TESTS NONE						
At Feet						
At Feet						
At Feet						
At Feet						
At Feet						
J. David Williams, 20 Sept 79						

PRECAMBRIAN SHIELD RESOURCES LTD.

DDH. NO.
GMP-3

Diamond Drill Hole Log ALBION

Page 1/5

PURPOSE Define location, strength and potential of the Albion vein in the southern area of the workings. Expected intersection ~47m

PROJECT GRANVILLE MOUNTAIN
LOCATION ALBION (South) L12489

COLLAR Northing 4852.28
Easting 4874.89
Elevation 1696.28

NOTES A demonstration of a VLF machine indicated an unknown geological feature very near the line of the DDH apparently x-cutting a surface quartz vein exposure located south of the expected intersection.

DRILLED Bearing 245°
Dip -45°
Length 67.06

The demonstration took place when the DDH was in progress. The type of geological feature is still unknown.

Da·Mo·Yr Started 20-08-79
Completed 21-08-79
Logged 22-08-79

DIP TESTS No. 1 42.5°/64.0

RESULTS Only 2 sections of quartz were cut (10 & 2cm core length) neither of which are of economic significance. A fault zone @ 37.5 which juxtaposes gneiss and a melanomylonite (shonkinite) will be important in planning for future study. It may be this feature (or the dike intersected @ 54.5) which was picked up by the VLF. Any further work near the location of this hole should include a VLF survey on a very narrow grid

GEOLOGIST J. DAVID WILLIAMS
Signature J. David Williams
DATE 20 Sept 1979

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-3

Diamond Drill Hole Log _____

PAGE TWO/S _____

DISTANCES		DESCRIPTION	S _x	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
0.0	13.11	OVERBURDEN				
13.11	19.20	SYENITE massive w/ granitic fabric, white (CT~15 due to hblite bits) patchy epidote alteration, strongest @ 13.72 for 10cm & 17.59 for 12cm. weakly calcareous, faint patchy pink pigment (K-metasomatism) 1.5cm calcite stringer @ 15.24, 45°/CA epidote fracture fillings also 45°/CA				
19.20	19.63	QUARTZ VEINLET & ALTERATION ZONE 10cm of white, coarse grained quartz w/ coarse (<4mm/side) euhedral pyrite sparsely disseminated thruout. A single zone <1cm wide of finer but discontinuous pyrite and aggregates of fine grained pyrite randomly dispersed w/ veinlet. average pyrite content in vein 5-10% Quartz central to alteration zones on each side characterized by a distinct decrease in pyrite content w/ distance parallel veinlets of epidote, minor bc zones and occasional calcite stringer.	py<5%	10546	Tr	0.04
19.63	26.30	SYENITE epidote alteration heavy @ 19.90 for 11cm				

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-3

Diamond Drill Hole Log _____

PAGE THREE/5

DISTANCES		DESCRIPTION	S ₂	SAMPLE NUMBER	ASSAYS	
FROM	TO				Al	Ag
26.30	29.44	SYENITE BRECCIA/ALTERATION ZONE	BY 2-57			
		nearly continuous bx zone containing large apparent frags of syenite on upper wall. Strong chloritic alteration w/i succeeding and much more disturbed ground. Deeper 32 cm consists of of granular & f.g. qtz & mica (biotite/phlogopite) additional granular zones exist as narrow strgs. pyrite is pervasive throught the bx & granular zones; commonly existing as very fine dissa. Average py content 2-5% but reaches ~15% @ 28.65 for 20 cm;				
		26.30 - 27.43 syenite frags w/ coarse bx		10547	Tr	0.02
		27.43 - 28.96 py & fine bx zone		10548	Tr	0.02
		28.96 - 29.44 bx zone & granular zone		10549	Tr	0.02
29.44	33.22	SYENITE				
		calcite strgr @ 32.55, 0.5 cm wide				
33.22	37.49	SYENITE ALTERATION ZONE	mirror			
		extensive alteration zone, in general weakly mineralized (sulfide) characterized by saussurite (epidote, chlorite, calcite) & hematite alteration always strong and, in places, extensive w/ mirror zones of comparatively unaltered syenite & minor bx zones. pyrite only sulfide mineral widely & finely disseminated 1% where strongest concentrated.	py			

D-M-Y 20-09-79

GEOLOGIST J. David McLean

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.

GMP-3

Diamond Drill Hole Log _____

PAGE FOUR/5

DISTANCES		DESCRIPTION	S _x	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
33.22	37.49	fracture pattern w/ slickensides and, in places, sheared rock about parallels CA thruout section. Fractures at some lengths have healed but in many places, unconsolidated and strongly altered gouge exists.				
(cont'd)						
		33.22 - 34.50 irreg. g/crnb shgr/alt zone @ 33.22 for 1cm 33.68 for 5cm		10550	Tr	0.02
		~45°CA, chlorite alt. v heavy 33.22-33.52				
		35.05-35.97 alt. syenite, strongly sheared, chlorite alt strongest @ 35.05-35.23		10551	Tr	0.02
		35.97-36.12 2cm wide irreg. g/cr shgr w/ cte. & 10% euhedral py. as Hcls & streaks & as much hematite. 40-45°CA heated, sub of gte. (iron. martite varichy?)	py 10%	10552	Tr	0.18
		36.12-37.49 alt. syenite		10553	Tr	0.02
37.49	38.56	FAULT SYENITE/SHONKILITE (DIORITE) two different though altered rock types on either side of a shear zone ~11°CA. Syenite, strongly altered abutts a less altered darker (CI: 70-80) finer grained unsaturated material; texture variable from weakly granitic to porphyritic (of zonal feldspars) w/ a phaneritic matrix composed of subhedral hbte variably altered to chlorite.		10554	0.10	0.02

D-M-Y 20-09-79

GEOLOGIST D. Williams

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-3

Diamond Drill Hole Log _____

PAGE FIVE/5 _____

DISTANCES		DESCRIPTION	S _r	SAMPLE NUMBER	ASSAYS		
FROM	TO				Au	Ag	
38.56	50.14	SHONKINITE (DIORITE) ALTERATION ZONE alteration strong; below 40.7 br & shearing nearly absent 38.56-40.69 alt. shonkinite, several 1-2cm. wide epidote fracture fillings ~45°/CA. 3cm. wide irreg. glaucophane zone @38.86		10555	Tr	0.02	
50.14	54.56	SHONKINITE (DIORITE) epidote fracture fillings - minimal alteration					
54.56	59.28	DIKE (MELAND-DABASE) massive fine-medium grained, H~5.5, CT~85, freckled w/ epidote, variable chlte alt. 3cm wide hematite epidote zone @54.56 Shonkinite inclusions w/ diffuse or resorbed perimeters from 58.58-59.28					
		58.98-59.28 Diabase + Shonkinite; alt. zone w/ minor fine diss. py	py 4%	10556	Tr	0.04	
59.28	67.06	SHONKINITE (DIORITE) decreasing epidote alt w/ depth; little alt below 65.5 59.28-61.26 sample where alteration strongest		10557	Tr	0.04	
67.06		END OF HOLE					

DRILL HOLE DESCRIPTION AND ASSAYS

	SAMPLE NUMBER	FROM	TO	SAMPLE WIDTH	ASSAY	
					Gr	Ag
Property	INLAND EMPIRE					
At	GRANVILLE MOUNTAIN					
Claim No.	L12489					
Working Place	ALBION (SOUTH)					
Baseline Footage	N 4852 28					
Baseline Offset	E 4814 89					
Date Started	20-08-19					
Date Completed	2-08-19					
Date Logged	22-08-19					
Logged By	J. DAVID WILLIAMS					
Dip	-45°					
Length	67.1					
Azimuth	245°					
Elev. Collar	1696 28					
Horiz. Trace	47.5					
Vertical Trace	47.5					
Core Recovery	~100%					
Depth of Intersection	---					
DIP TESTS 1						
At	42.5°	Metres	Feet	64.3		
At		Feet				
At		Feet				
At		Feet				
At		Feet				
J. David Williams 20-09-19						

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-4

Diamond Drill Hole Log ALBION

Page 1/4

PURPOSE Determine location of vein which had been exploited near surface and confirm intersection of IDH 62-3 drilled on a prior program

PROJECT LOCATION GRANVILLE MOUNTAIN
ALBION (CENTRE) L12489

COLLAR Northing 4923.55
 Easting 4797.56
 Elevation 1715.66

DRILLED Bearing 065°
 Dip -60°
 Length 73.0

Da·Mo·Yr Started 23-08-79
 Completed 24-08-79
 Logged 26-08-79

NOTES Planned length of hole w/o prior intersection was a minimum of 76m. Because of a bit failure at 73m, hole was terminated at that distance rather than take time to replace bit for a minimum advance of 3m. Core had not shown any indication of an intersection w/i that extra distance.

DIP TESTS No. 0

RESULTS A single intersection of quartz was cut which may represent an extension at ~12.6m below collar of a surface showing just to the north of this drilled section. An inferred fault just north of the adit (Dolmage Campbell) was not manifest in the drill core but at the depth of the expected intersection that or another fault may have displaced the vein away from the line of descent. In general, the angle of intersection of fractures w/rt CA does not support the idea that the surface showing the gr cut in IDH 62-1 is the same continuous vein.

GEOLOGIST J. DAVID WILLIAMS
Signature J. David Williams
DATE 21 Sept '79

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-4

Diamond Drill Hole Log _____

PAGE TWO/4

DISTANCES		DESCRIPTION	S _x	SAMPLE NUMBER	ASSAYS		
FROM	TO						
0	3.66	OVERBURDEN					
3.66	4.00	SYENITE					
		white, w/ hble euhedra (CI~15), granitic texture, massive, H~5.5, moderately magnetic. Weak epidote alteration in the form of fracture fillings (<2cm wide) & freckles					
4.00	4.70	DIKE (MELANODIABASE)					
		massive, very fine grained, strong epidote & chlorite alteration H 4.5-5.0, dark green-grey, lower contact chilled; type of upper contact poorly recovered					
4.70	8.50	SYENITE					
		slightly more strongly altered (bleached) than 3.66. minor clay alteration w/ epidote & minor calcite fracture fillings fractures ~90° & 55-60°/CA. Alteration strongest 5.80-6.70					
8.50	13.72	SHONKINITE					
		very similar to syenite, but has higher CI (~45) and finer grained texture; slightly more magnetic. several epidote + alteration mineral zones <4cm wide as fracture fillings 65°-70°/CA. contact w/ syenite distinct but smooth. several but sparsely distributed inclusions of irregularly shaped pebble sized inclusions of more mafic material.					

D-M-Y 21-09-79

GEOLOGIST J. D. [Signature]

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-4

Diamond Drill Hole Log _____

PAGE THREE/4

DISTANCES		DESCRIPTION	S _x	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
13.72	14.60	SYENITE epidote fracture fillings, <1cm wide most ~80°/CA				
14.60	14.93	QUARTZ white, massive, coarse grained w/ minor seams of talc containing coarse euhedra of magnetite at upper contact very minor magnetite elsewhere, complete absence of sulfides @ 14.60 - 6cm of dark grey-green alteration zone	0.0	10558	Tr	0.02
14.93	17.90	SHONKINITE + SILICIFIED ALTERATION ZONE dark grey-green, saussuritized shonkinite w/ minor syenite several silicified & bleached zones ~1/CA; no sulfide mineralization - minor hematization (martite?) lower contact characterized by no difference in rock type but a gradual decrease in extent of alteration - placement of contact arbitrary.				
		14.93-15.54 heavy alteration zone w/ epidote		10559	Tr	0.02
		15.54-16.15 weak alteration of syenite		10560	Tr	0.02
		16.15-17.68 pervasive alteration of shonkinite w/ several very strong but narrow (<10cm wide) silicified zones some containing quartz		10561	Tr	0.02

D-M-Y 21-09-79

GEOLOGIST J. D. Miller

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-4

Diamond Drill Hole Log _____

PAGE FOUR/4

DISTANCES		DESCRIPTION	S _r	SAMPLE NUMBER	ASSAYS		
FROM	TO						
17.90	26.00	SHONKINITE patchy epidote alteration, as narrow zones < 3cm wide ± L/CA. Heaviest alteration @ 21.64 for 20cm 23.93 for 15cm.					
26.00	26.58	DIKE (MELANODIARASE) small freckles of alteration incl. epidote in central zone					
26.58	53.64	SHONKINITE noticeable but barren quartz/alteration zones @ 38.68 for 24cm 39.78 for 2cm 40.69 for 16cm 41.00 for 50cm					
53.64	54.47	SYENITE					
54.47	73.00	SHONKINITE quartz/alteration zones @ 63.00 for 16cm 69.83 for 10cm all epidote fracture fillings & Qtz/alt zones from 17.90 vary ± 30° from L/CA. Several inclusions < 5cm of a more basic phase w/ shonkinite.					
73.00		END OF HOLE					

D-M-Y 20-09-79

GEOLOGIST J. [Signature]

DRILL HOLE DESCRIPTION AND ASSAYS

	SAMPLE NUMBER	FROM	TO	SAMPLE WIDTH	ASSAY	
					Gr. FT Au	Gr. FT Ag
Property INLAND EMPIRE	10558	14.60	14.98	0.32	Tr	0.02
At GRANVILLE MOUNTAIN	10559	14.98	15.54	0.61	Tr	0.02
Claim No. L 12489	10560	15.54	16.15	0.61	Tr	0.02
Working Place ALBION (CENTRE)	10561	16.15	17.68	1.53	Tr	0.02
Baseline Footage N 4923.55						
Baseline Offset E 4797.56						
Date Started 23-08-79						
Date Completed 24-08-79						
Date Logged 26-08-79						
Logged By J. DAVID WILLIAMS						
Dip -60°						
Length 73.0						
Azimuth 065°						
Elev. Collar 1715.66						
Horiz. Trace 36.5						
Vertical Trace 63.2						
Core Recovery ~100%						
Depth of Intersection --						
DIP TESTS NONE						
At Feet						
At Feet						
At Feet						
At Feet						
At Feet						
J. David Williams						
20-07-79						

PRECAMBRIAN SHIELD RESOURCES LTD.

DDH. NO.
GMP-5

Diamond Drill Hole Log BERLIN/AUCE L

Page 1/7

PURPOSE Determine grade and width of the mineralization below the winze area of the BERLIN/AUCE L workings.

PROJECT LOCATION GRANVILLE MOUNTAIN
AUCE L L4331

COLLAR Northing 5420.13
Easting 4855.68
Elevation 1658.39

NOTES The winze area contains several bubs and an unknown amount of stoping. As this area probably contains mineralization of the highest grade and over the largest dimensions, its extent to depth below the workings was of most interest.

DRILLED Bearing 245°
Dip -68°
Length 121.9

Da·Mo·Yr Started 26-08-79
Completed 01-09-79
Logged 02-09-79

DIP TESTS No. 4 70°/41.5 65.5°/77.2 70°/100.6
71.5°/120.4

RESULTS The extent of the mineralization between 85.40 and 105.00 was expected to yield some interesting assays. It was surprising to find that all mineralization was virtually barren of gold. Although the mineralized zone is strong, it has no economic value at depth

GEOLOGIST J. DAVID WILLIAMS
Signature J. David Williams
DATE 22-09-79

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-5

Diamond Drill Hole Log _____

PAGE TWO/7 _____

DISTANCES		DESCRIPTION	S _x	SAMPLE NUMBER	ASSAYS		
FROM	TO						
0.0	3.05	OVERBURDEN					
3.05	23.90	SYENITE white, granitic texture CI 15-25 due to blk. euhedra variable but moderately magnetic, H ~ 5.5 epidote fracture fillings 60°/CA or greater softer bleached altered zones often w/ bx & calcification (whit spots etc); 9.33-10.06, 17.07-17.62 & 18.38-21.43 shear plane (parallel texture ~ 20°/CA (fault?)) → calcite stringers sparse & < 1cm wide					
23.90	28.65	SYENITE ALTERATION/BRECCIA ZONE strongly altered zone w/ dark stain along joint & shear planes 26.1-27.4: strongly broken & loose, many larger fragments show slickensided planes, a cataclastic strongly altered mafic dike and/or a fault zone may exist syenite retains texture but is softer, H: 2-4, variable clay & chlorite alteration. Some narrow but discrete calcite stringers (< 1cm)					
28.65	62.20	SYENITE alteration in form of discrete zones, rather than pervasive as above CI averaging 20-25, grain size tending slightly finer. composition variable but syenitic. Alteration zones characterized by calcification and brecciation or a fading of the granitic texture					

PRECAMBRIAN SHIELD RESOURCES LTD.

Diamond Drill Hole Log _____

DISTANCES		DESCRIPTION	S _x	SAMPLE NUMBER	ASSAYS		
FROM	TO						
28.65	62.20	epidote emplacement variable but us strong & as fracture fillings					
(cont'd)		at high K_2O/CA then approaching L. Local features:					
		32.0 slickensided py shear 30°/CA					
		34.07-34.66 dark calcified bx zone, short thin calcite stringers					
		40.20-41.00 pervasive calcite + pinkcarb + epidote					
		42.52-43.62 epidote & calcite bx zone					
		45.35-45.57 strong epidote & calcite bx zone					
		48.16-48.62 hard dark chlorite & clay alt. w/ epidote stringers & freckled zone					
		52.73-53.34 same as above					
		56.70 calcite stringer					
		57.20-57.60 pervasive calcite, pinkcarb & epidote alt. zone					
		58.55-59.30 hard dark alt. zone w/ epidote & calcite veinlets					
		60.30-60.75 soft dark calcite + epidote + clay alt. zone					
		61.00-61.50 same as above					
		61.66-62.15 irreg. pinkcarb stringer ~11°/CA, laminae, calcite centre					
62.20	77.90	SYENITE					
		similar to 3.05 but fine-med grained, increasing grain size w/ depth. Epidote stringers @ hi K_2O/CA					
77.90	77.93	DIKE - MELANODIABASE/MELANODIORITE					
		hard dark grey-black, v. fine grained massive					

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-5

Diamond Drill Hole Log _____

PAGE FOUR/7

DISTANCES		DESCRIPTION	S _x	SAMPLE NUMBER	ASSAYS	
FROM	TO					
77.93	81.07	SYENITE same as 3.05 grain size increasing w/depth.				
81.07	85.40	DIKE - MELANODIORASE/ MELANODIORITE dark, fine grained, massive H=4.5, fine diss. pyrite thruout. alteration decreasing w/depth; unaltered material consisting of sparse small feldspar phenos w/ biotite in a fine grained matrix alteration of feldspar phenos to calcite w/ epidote cores. alteration of matrix to saussurite + chlorite, maximum strength moderate.	py 5%			
85.40	87.80	SYENITE same as 3.05				
		86.56 - 86.62 containing 3cm wide gtzcarb stringer w/ diminishing py. dissa. into walls	py 5%	10562	Tr	0.14
87.80	90.10	SYENITE ALTERATION ZONE alteration increasing w/depth epidote freckling pervasive + patchy but increasing chloritic alteration of biotite + frequent epidote + calcite stringers ± 25% CA w/ <2cm wide				
		87.80 - 89.52 heaviest epidote stringers accompanied by patchy f.g. pyrite; f.g. pyrite thruout.	py 5%	10563	Tr	0.02
		89.52 - 90.10 epidote + chlorite rich; upper 20cm black-dark grey mineralized zone w/ 2cm gtzcarb stringer py string (up to 15%) but diss. thruout remainder	py 5%	10564	0.01	0.76

D-M-Y 22-09-79

GEOLOGIST J. Down / W. W. W. W.

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-5

Diamond Drill Hole Log _____

PAGE FIVE/7

DISTANCES		DESCRIPTION	S _x	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
90.10	94.30	SYENITE comparatively unaltered minor fg. euhedral diss. pyrite freckled epidote & occasional epidote fracture filling				
		90.10-92.75	py <1%	10565	Tr	0.05
		92.75-94.30	py <1%	10566	Tr	0.02
94.30	95.40	SYENITE ALTERATION ZONE dark alteration - sericitization of felds, freckled epidote, H~4 pervasive but finely diss. pyrite as f-m. grained euhedra minor quartz stringers w/ heximer & f.g. pyrite	py <5%	10567	0.01	0.22
95.40	97.44	QUARTZ & QUARTZ BRECCIA nearly continuous (85%) section of quartz both contacts marked by soft heavily altered material ~10cm wide				
		95.40-96.38 white coarse grained quartz remobilized w/ minor shearing but bx increases w/depth to an intensive degree talc/chlorite crist on thin irreg strgs pyrite of all types vs. dis. thruout Galena a u.f. grained patchy concentrations always intimately associated w/ pyrite mud at 96.38 - fault or shear plane?	py <5% ga 2%	10568	Tr	0.12
		96.38-97.44 white coarse grained quartz intact except for widely spaced and randomly oriented cracks; minor calcite irregular streaks & blebs of coarse euhedral but often broken	py <1% sp 7Tr	10569	0.07	0.94

D-M-Y 22-09-79

GEOLOGIST J. D. ...

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-5

Diamond Drill Hole Log _____

PAGE SIX/7 _____

DISTANCES		DESCRIPTION	S _x	SAMPLE NUMBER	ASSAYS	
FROM	TO				Al	Ag
95.40 ^(cont'd)	97.44	pyrit. Single location of brown flaky mineral (spinel?)				
97.44	103.30	SYENITE ALTERATION ZONE				
		variable but generally intense med greygreen (saussurite)				
		alteration of syenite, w/ irreg. quartz, calcite, gln carb stringers				
		≤ 2 cm. wide often accompanied by epidote & coarse pyrite euhedra				
		fine diss pyrite euhedra throught most of section				
	97.44 - 98.75	3cm. wide quartz strgr, few S _x & 1cm wide py-gln strgr	py < 5%	10570	Tr	0.02
	98.75 - 99.36	extensive gln carb (pink carb) zone - discontinuous strgr-type ~ 30°/CA	py 5%	10571	0.01	0.02
	99.36 - 100.60	altered/bleached syenite	py < 2%	10572	0.01	0.02
	100.60 - 101.80	✓ ✓	py < 2%	10573	Tr	0.02
	101.80 - 103.30	✓ ✓	py 2%	10574	Tr	0.08
103.30	105.00	QUARTZ & ALTERATION ZONE				
	103.30 - 104.57	75% continuous white coarse grained quartz from 103.90. Balance consists of streaky quartz w/ light green alteration minerals 30-40°/CA	py 5%	10575	Tr	0.02
	104.57 - 105.00	dark shaded zone of intense alteration - chloritization	py 2%	30010	Tr	0.08

D-M-Y 22-09-79

GEOLOGIST J. Dorell/N. W. Lewis

DRILL HOLE DESCRIPTION AND ASSAYS

	SAMPLE NUMBER	FROM	TO	SAMPLE WIDTH	ASSAY		
					Au ^{gr./T}	Ag ^{gr./T}	
Property	INLAND EMPIRE	10562	86.56	86.62	0.06	Tr	0.14
At	GRANVILLE MOUNTAIN	10563	87.80	89.52	1.72	Tr	0.02
Claim No.	L11157 / L4341	10564	89.52	90.10	0.58	0.01	0.76
Working Place	BERLIN / AUCEL	10565	90.10	92.75	2.65	Tr	0.02
Baseline Footage	N 5420.13	10566	92.75	94.30	1.55	Tr	0.02
Baseline Offset	E 4855.68	10567	94.30	95.40	1.10	0.01	0.22
Date Started	26-08-79	10568	95.40	96.38	0.98	Tr	0.12
Date Completed	01-09-79	10569	96.38	97.44	1.06	0.07	0.94
Date Logged	02-09-79	10570	97.44	98.75	1.31	Tr	0.02
Logged By	DAVID WILLIAMS	10571	98.75	99.36	0.61	0.01	0.02
		10572	99.36	100.60	1.24	0.01	0.02
Dip	-68° (nominal)	10573	100.60	101.80	1.20	Tr	0.02
Length	121.9	10574	101.80	103.30	1.50	Tr	0.08
Azimuth	245°	10575	103.30	104.57	1.27	Tr	0.02
Elev. Collar	1658.39	3001 0	104.57	105.00	0.43	Tr	0.08
Horiz. Trace	47.4	3002 0	105.00	108.00	3.00	Tr	0.02
Vertical Trace	108.8	3003 0	108.00	108.36	0.36	Tr	0.02
Core Recovery	~100%						
Depth of Intersection	---						
DIP TESTS 4							
At	41.15	M Feet	70°				
At	77.20	M feet	65.5°				
At	100.60	M feet	70°				
At	120.40	M feet	71.5°				
At		Feet					
J. David Williams 22 Sept 79							

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-6

Diamond Drill Hole Log BERLIN/Alice L

Page 1/8

PURPOSE Determination of continuity of mineralized zone cut in GMP-5.
30m north on strike

PROJECT LOCATION GRANVILLE MOUNTAIN
BERLIN/Alice L

COLLAR

Northing	<u>5418.69</u>
Easting	<u>4853.98</u>
Elevation	<u>1658.21</u>

NOTES Hole planned to
intersect mineralized zone at
approximately same elevation as
GMP-5 & 30m north along zone.

DRILLED

Bearing	<u>276°</u>
Dip	<u>-55°</u>
Length	<u>150.0</u>

Dr. Mo. Yr

Started	<u>04-09-79</u>
Completed	<u>11-09-79</u>
Logged	<u>12-09-79</u>

DIP TESTS

No. <u>3</u>	<u>53.3/54.5°</u>	_____	_____
	<u>93.0/58.0°</u>	_____	_____
	<u>128.0/55.0°</u>	_____	_____

RESULTS No mineralization of economic interest was intersected. At 106 m - just past
the expected intersection on syenite/diabase breccia was cut. This rock type
was unexpected, as it is not visible on the rather sparse outcrops in the
area. Its significance as to geologic origin and setting and as to its
affect on vein zones is still unknown. It was hoped that this feature
was a dike, but it appears to be a significant and persistent rock unit.

GEOLOGIST J. DAVID WILLIAMS
Signature J. David Williams
DATE 08-Oct 1979

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-6

Diamond Drill Hole Log _____

PAGE TWO/B

DISTANCES		DESCRIPTION	S _r	SAMPLE NUMBER	ASSAYS	
FROM	TO				A _u	A _g
0.0	3.05	OVERBURDEN				
3.05	16.85	SYENITE white w/ diffuse faint pinkish patches, CI 15-20, granitic texture, moderately magnetic, H ~ 5.5 massive except for frequent epidote fracture fillings - most 45/CA				
16.85	18.00	SYENITE ALTERATION ZONE schist (H ~ 4), w/ dark brown fractures, narrowly spaced, much irreg. garnet stringing & accompanying epidote alt patches of unalt'd syenite. No mineralization				
18.00	20.90	SYENITE ALTERATION & BRECCIA ZONE gray-greenish alteration hue involving brecciation - much of it intense. Sparsely diss. py w/ syenite; coarse py blebs at calcite veinlets @ 18.83 & 19.51 epidote alt. patchy but intense.				
		18.00 - 19.20	py 1/2	3004 0	Tr	0.02
		19.20 - 20.90	py 1/2	3005 0	Tr	0.10
20.90	32.10	SYENITE (w/ BRECCIA ZONE) variously altered & brecciated w/ much epidote & calcite stringers				
		20.90 - 22.74 weakly altered w/ tr. diss. py	Tr py	3006 0	Tr	0.18
		22.74 - 25.00 intense partly healed by zone @ 24.50 for 25 cm	Tr py	3007 0	Tr	0.22

D-M-Y 08-10-79

GEOLOGIST J. David Williams

PRECAMBRIAN SHIELD RESOURCES LTD.

DDH. NO.
GMP-6

Diamond Drill Hole Log _____

PAGE ~~TREE~~ 3

DISTANCES		DESCRIPTION	S _E	SAMPLE NUMBER	ASSAYS	
FROM	TO				Ag	Ag
20.90	32.10	25.00-25.75 12cm wide alt zone @ 25.00 w/ ~5% fine (cont'd) diss py.	<1%py	3008.0	Tr	0.60
		25.75-27.34 strong alt zone 20cm wide @ 26.55	Tr py	3009.0	Tr	0.04
		30.85-32.10 weakly altered, fine diss py	Tr py	3010.0	Tr	0.24
32.10	32.90	SYENITE ALTERATION ZONE greygreen, soft, w/ some brecciation & hematization & strong epidote alteration. Irreg. dist py but restricted to central & brecciated zone (conc. up to 5%)	1%py	3011.0	Tr	0.12
32.90	42.80	SYENITE wide, diffuse, patchy epidote alt.; occ. calcite stringer - much hem	Tr py			
42.80	59.53	SYENITE ALTERATION ZONE (w/ BRECCIATION) avg variable alteration, moderate brecciation - very strong at its strongest strong patchy hematite alt. Contacts marked by rather more calcareous composition. Py. us. v. fine subhedral & diss; minor irreg. blebs diss. throuout, often assoc. w/ occ. glaucob. stage	avg 42%py			
		42.80-48.60 mod greygreen alt, py. as irreg. diss f.g. blebs	12%py	3012.0	Tr	0.02
		44.20-47.25 alt. increases to intense w/ depth.	27%py	3013.0	Tr	0.62
		47.25-48.15 intense alt, v. soft, occ. glaucob. stage	27%py	3014.0	Tr	0.18
		48.15-50.30 fractured strongly alt. greygreen rock most fractures filled w/ epidote, calcite or talc. & slickensided random orientation w/rt CA.		3015.0	Tr	0.20

D-M-Y 08-10-79

GEOLOGIST J. David Williams

PRECAMBRIAN SHIELD RESOURCES LTD.

DDH NO.
GMP-6

Diamond Drill Hole Log _____

PAGE FOUR/5

DISTANCES		DESCRIPTION	S ₂	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
42.80	59.53	50.30-52.43 same as above	21%py	3016 D	Tr	0.33
		52.43-54.90 same as above w/ calcite stringers & patches of weakly alt. syenite	11%py	3017 D	Tr	0.02
		54.90-57.45 weakly alt. syenite w/ zones of epidote / calcite / calcite + hornblende	<1%py	3018 D	Tr	0.32
		57.45-59.53 dark grey-green, harder weakly silicified zone calcite & gte stringers w/ slickensides & coarse py. euhedra. py. increases w/ depth as f.g. dissa.	<5%py	3019 D	0.01	0.60
59.53	62.80	SYENITE hard, CI ~ 20, many diffuse narrow epidote alt. stages				
62.80	64.60	SILICIFIED ALTERATION ZONE med-dark grey-green, f.g. mass. w/ finely diss. py. euhedra irreg. gte stage zone @ 63.80 for 75cm containing large (1cm/side) py. euhedra	10%py	3020 D	0.02	0.26
64.60	72.63	SYENITE 64.60-65.20 silicified alt. zone, strong epidote quartz stringers 30-45°/CA 72.15-72.63 same as above	21%py 45%py	3021 D 3022 D	Tr Tr	0.20 0.28

D-M-Y 08-10-79

GEOLOGIST J. David Milline

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-6

Diamond Drill Hole Log _____

PAGE FIVE/8

DISTANCES		DESCRIPTION	S _r	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
76.35	84.83	SYENITE ALTERATION ZONE light & dark green-grey alt. w/ patchy lengths of comparatively unalt. syenite. Epidote alt. common and us. strong; calcite stringers & fracture fillings irreg. dist. 30-50%/CA. py pervasive & as fine subhedral & small irreg. blebs. 76.35-78.33 strong py + horn at upper 10cm 78.33-80.83 alt. strongest 78.33-79.80 80.33-81.83 gte veinlet 9cm wide 30%/CA w/ sparse but coarse py subhedral & 20cm wide glaucophane zone w/ strong alt. 81.83-83.24 strong alt. shear zone w/ gte & carb @ 82.81 for 35cm				
			45% py	30230	Tr	1.10
			45% py	30240	Tr	0.58
			5% py	30250	Tr	0.06
			40% py	30260	0.01	0.10
84.83	88.45	DIKE (MELANODIABASE) dark grey-black, fine-med. grained massive w/ minor small feldspar plicios near central zone. Minor v.f.g. py subhedral distributed thruout.	17% py			
88.45	106.31	SYENITE generally weakly altered but w/ several discrete alt. zones us. involving some silicification & glaucophane stringering (30-35%/CA) & always assoc. w/ epidote. Notable conc. of py. thruout Dike neck'l (melanodiabase) 2cm wide @ 97.74 & 97.93 88.45-90.37 alt. syenite (contact aureole) darker diffuse grain boundaries. Diss. py blebs. Sericitization & felds. & chloritization of hbls				
			17% py	30270	Tr	0.24

D-M-Y 08-10-79

GEOLOGIST | David Williams

PRECAMBRIAN SHIELD RESOURCES LTD.

DDH. NO.
GMP-6

Diamond Drill Hole Log _____

PAGE SIX / 8

DISTANCES		DESCRIPTION	S ₁	SAMPLE NUMBER	ASSAYS	
FROM	TO				As	Ag
88.45	106.31	90.37-91.14 patchy light green & narrow grey alt zones w/ (cont'd) fine diss py, some glaucophane stringing	57py	3028 0	Tr	0.16
		93.42-94.94 same as above, w/ 15% unalt. syenite, several glaucophane stringers > 94.30	27py	3029 0	0.01	0.06
		97.90-99.00 similar to above w/ glaucophane stringers dist'd thru out	27py	3030 0	Tr	0.02
		99.90-100.20 glaucophane veinlet 3cm wide w/ coarse py. in a silicified py zone	57py	3031 0	Tr	0.02
		101.70-102.10 weakly mineralized dark grey alt zone w/ epidote alt	17py	3032 0	Tr	0.30
106.31	150.0	SYENITE/MELANCRDIABASE BRECCIA cataclastic br. very inhomogeneous, consisting of fragments of syenite in diabase, fragments of diabase in syenite & continuous lengths of both types of rock. Brecciation intensity variable, smallest frags ~ 1cm Syenite - various textures and degrees of alteration, but generally medium grained and unaltered - weakly altered, except for diffuse zones of epidote. Mineralization absent to weak (Tr - < 17py) (Melan) Diabase - varying compositions from ultrabasic to shankinite (70% hblite - 70% biotite w. wt felds) and varying grain size (aphanitic - med grained). Py always a component, inhomogeneously distributed as irreg blebs and streaks of v.f.g. stals Mod - strongly magnetic. Tr chalcopyrite. Several alt zones w/ diabase, often w/ glaucophane stringers w/ epid. & py.				

D-M-Y 08-10-79

GEOLOGIST J. J. [Signature]

PRECAMBRIAN SHIELD RESOURCES LTD.

D.O.H. NO.
GMP-6

Diamond Drill Hole Log _____

PAGE 3013/3

DISTANCES		DESCRIPTION	S _r	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
106.31	150.00	106.31-109.15 10% syenite, zone wide glnarb slope @ 108.50	2% py	3033 0	Tr	0.38
(cont'd)		109.15-112.17 syenite, little alt, Tr py	Tr py	—		
		112.17-115.46 20% syenite, 5cm wide glnarb slope @ 112.62	2% py	3034 0	Tr	0.12
		115.46-116.56 alt zone, 65% syenite, balance glnarb + epidote	5-10% py	3035 0	Tr	0.04
		116.56-119.76 10% syenite, several thin glnarb slopes	2% py	3036 0	Tr	0.02
		119.76-120.30 40% syenite w/ epidote alt. zones	<1% py	3037 0	Tr	0.02
		120.30-124.11 10% syenite	2% py	3038 0	Tr	0.02
		124.11-125.90 f.g. melnonyenite	5-10% py	3039 0	Tr	0.02
		125.90-128.10 20% syenite	2% py	3040 0	Tr	0.08
		128.10-129.70 15% syenite	2% py	3041 0	Tr	0.28
		129.70-132.65 10% syenite, diabase v.f.g. schistose bed, v.f.g. py	5% py	3042 0	Tr	0.24
		132.65-136.22 syenite, little alt	Tr py	—		
		136.22-137.46 melnodiabase, v.f.g. massv.; v.f.g. py dissa.	2% py	3043 0	Tr	0.08
		137.46-138.05 syenite, little alt	Tr py	—		
		138.05-139.20 syenite w/ irony glnarb zone; well mineralized	10% py	3044 0	Tr	0.44
		139.20-140.36 syenite, little alt	Tr py	—		
		140.36-141.95 syenite alt. zone w/ epidote & chlorite	5% py	3045 0	Tr	0.04
		10% diabase w/ f.g. subbedal disa py				
		141.95-149.05 syenite w/ minor diabase frags	Tr py	—		

D-M-Y 08-10-79

GEOLOGIST *David Williams*

DRILL HOLE DESCRIPTION AND ASSAYS

	SAMPLE NUMBER	FROM	TO	SAMPLE WIDTH	ASSAY	
					oz/T Au	oz/T Ag
Property INLAND EMPIRE	30040	18.50	19.20	1.20	Tr	0.02
At GRANVILLE MOUNTAIN	30050	19.20	20.90	1.70	Tr	0.10
Claim No. L1157/L4331	30060	20.90	22.74	1.84	Tr	0.18
Working Place BERJN/AUCEL	30070	22.74	25.00	2.26	Tr	0.22
Baseline Footage N5418.69	30080	25.00	25.75	0.75	Tr	0.60
Baseline Offset E4853.98	30090	25.75	27.34	1.59	Tr	0.04
Date Started 04-09-79	30100	30.85	32.10	1.25	Tr	0.24
Date Completed 11-09-79	30110	32.10	32.90	0.80	Tr	0.12
Date Logged 12-09-79	30120	42.80	43.60	0.80	Tr	0.02
Logged By J. DAVID WILLIAMS	30130	44.20	47.25	3.05	Tr	0.62
	30140	47.25	48.15	0.90	Tr	0.18
Dip -55°	30150	48.15	50.30	2.15	Tr	0.20
Length 150.0	30160	50.30	52.43	2.13	Tr	0.38
Azimuth 276°	30170	52.43	54.90	2.47	Tr	0.02
Elev. Collar 1655.21	30180	54.90	57.45	2.55	Tr	0.32
Horiz. Trace 85.0	30190	57.45	59.53	2.08	0.01	0.60
Vertical Trace 123.0	30200	62.80	64.60	1.80	0.02	0.26
Core Recovery 100%	30210	64.60	65.20	0.60	Tr	0.20
Depth of Intersection ---	30220	72.15	72.63	0.48	Tr	0.28
	30230	76.35	78.33	1.98	Tr	1.10
DIP TESTS 3	30240	78.33	80.83	2.50	Tr	0.58
At 53.3 Feet 54.5°	30250	80.83	81.83	1.00	Tr	0.06
At 93.0 Feet 53.0°	30260	81.83	83.24	1.41	0.01	0.10
At 128.0 Feet 55.0°	30270	88.45	90.37	1.92	Tr	0.24
At Feet	30280	90.37	91.14	0.77	Tr	0.14
At Feet	30290	93.42	94.94	1.52	0.01	0.06
	30300	97.90	99.00	1.10	Tr	0.02
	30310	99.90	100.20	0.30	Tr	0.02
J. David Williams 08-10-79	30320	101.70	102.10	0.40	Tr	0.30
	30330-30460	106.31	149.66		Tr	20.44 Assay

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-7

Diamond Drill Hole Log _____

PAGE TWO/S _____

DISTANCES		DESCRIPTION	S ₂	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
0	2.44	OVERBURDEN				
2.44	5.80	SYENITE white, H~5.0, CT ~ 15 (due to hbde; much of which altered to chlt) much clay alt & brown staining due to surface weathering some epidote alt				
5.80	10.05	SYENITE ALTERATION ZONE darkgreen, soft, strongly altered (sericite & chlorite) zone w/ minor unaltered syenite patches. Abundant to moderate magnetite & hematite				
		5.80-7.60 alteration & pyrite increasing, color darkening & grain size decreasing w/depth. Py. as fine disse.	12% py	3047.0	Tr	0.02 / 0.24 0.02
		7.60-8.80 20cm of quartz @ 8.32 & glauc. calcite stringers in a dark altered host	2% py	3048.0	Tr	0.22
		8.80-10.05 notable leucation ~40°/CA; occasional calcite stringers & leucation, host rock moderately calc.	<1% py	3049.0	0.02	0.04
10.05	22.80	SYENITE leucation distinct but weak ~40°/CA, med. calc. med. grained >19.20, CT incr. to 20-25 grain size decreases & leucation absent.				
		12.37-13.30 alt. zone w/ irreg. cte stringers & much epidote py (up to 2%) restricted to dark alt. zones (20% sample width)	<1% py	3050.0	Tr	0.24

D-M-Y 18-10-79

GEOLOGIST J. David Williams

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-7

Diamond Drill Hole Log _____

PAGE THREE / 5

DISTANCES		DESCRIPTION	S ₁	SAMPLE NUMBER	ASSAYS	
FROM	TO				Al	Ag
22.80	26.80	SYENITE ALTERATION ZONE alteration zones frequent little unaltered rock below 25.15 part which many glt carb. shags & veins exist 30-45°/CA most pyrite restricted to glt carb. zones 22.80 - 25.15 45% unalt'd. syenite, occ glt carb. shags 25.15 - 26.80 frequent glt carb. shags				
			17% py	3051 0	Tf	0.38
			27% py	3052 0	Tf	0.30
26.80	28.65	SYENITE white, CI ~ 15, massive hard				
28.65	29.80	QUARTZ & ALTERATION 85% white coarse grained quartz w/ coarse grained xbls & blbs of pyrite randomly distributed thruout. 30cm dark alt. @ 28.65 containing fine py. dissa. frequent light grey alt. streaks containing fine euhedral py. dissa & epidote.	57% py	3053 0	Tf	0.02
29.80	30.54	SYENITE fine-med grained, frequent fracture fillings & shags of glt carb. some w/py; occasional py. seams - all features ~ 30°/CA 29.84 - 30.54 unalt. syenite w/ epidote fracture fillings & py seams				
			17% py	3054 0	0.01	0.32

D-M-Y 18-10-79

GEOLOGIST David Williams

PRECAMBRIAN SHIELD RESOURCES LTD.

D.D.H. NO.
GMP-7

Diamond Drill Hole Log _____

PAGE FOUR/S

DISTANCES		DESCRIPTION	S ₁	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
40.45	41.55	SVENITE ALTERATION ZONE & QUARTZ zone of frequent quartz stringers accounting for 15% of core length in a bleached silicified syenite w/ coarse py in glt and fine diss. py in alt'd. mat'l.	5% py	3055 0	Tr	0.02
41.55	44.80	SVENITE similar to 97.9 42.76-43.06 - weakly mineralized diffuse 2cm wide quartz stringers	1% py	3056 0	0.01	0.40
44.80	50.57	SVENITE ALTERATION ZONE light green alt. to 47.90 past which a gray-gray black alt. predominates, both types f.g. w/ minor patches of more weakly alt'd syenite. 44.80-45.80 10cm wide glt veinlet @ 45.70 w/ irreg diffuse contacts - unmineralized 45.80-47.91 8cm wide glt veinlet @ 46.27 - weakly mineralized 47.91-48.83 zone ~75% glt w/ coarse grained pyritz 48.83-49.60 alt. zone w/ f.g. pyritz disse. thruout 49.60-50.57 green alt. occ. thin glt string irreg py blebs	1% py 7% py 5% py 45% py 45% py	3057 0 3058 0 3059 0 3060 0 3061 0	Tr Tr 0.01 0.01 Tr	0.06 0.06 0.22 0.12 0.34

D-M-Y 18-10-79

GEOLOGIST J. David Williams

PRECAMBRIAN SHIELD RESOURCES LTD.

DDH. NO.
GMP-7

Diamond Drill Hole Log _____

PAGE FIVE/5

DISTANCES		DESCRIPTION	S ₁	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
50.57	53.20	QUARTZ white coarse grained resinous quartz, slightly fractured in places & containing randomly distributed, irregular blebs of coarse py & sparse, small-med py. euhedra. frequent irregular, x-cutting zones of talcose mat'l.				
		50.57-52.00 80% qtz, some weak br near 51.50	45% py	3062 0	Tr	0.02
		52.00-53.20 40% qtz w/ qb + talcose rock, coarser py	5-10% py	3063 0	Tr	0.06
53.20	66.45	SYENITE coarse grained, comparatively unalt'd, except for frequent alt. zones containing py, each ~ 20cm wide avg				
		54.59-55.32 dark green py alt. w/ 5cm wide calcite brt strgs & lower 10cm wide wuggy alt zone w/ much epidote throtte	22% py	3064 0	Tr	0.02
		55.75-57.20 weakly mineralized syenite (Tr py) w/ 3 alt zones @ 55.87 for 5cm, 56.39 for 20cm & 57.00 for 9cm each zone containing qtz carb. strgs w/ or w/o hornblende but usually some coarse py	17% py	3065 0	Tr	0.48
		58.76-60.35 three alt zones; 58.76 a 6cm wide qb strgs w/ c.g. py; a 12cm wide weakly mineralized alt zone @ 59.04; a dark py zone w/ f.g. diss py @ 60.00 for 45cm.	17% py	3066 0	Tr	0.36
		63.58-64.07 irreg. qtz carb. strgs, 20-25% CA - 10cm wide	17% py	3067 0	Tr	0.16
66.45		END OF HOLE				

D-M-Y 18-10-79

GEOLOGIST J. David Williams

DRILL HOLE DESCRIPTION AND ASSAYS

	SAMPLE NUMBER	FROM	TO	SAMPLE WIDTH	ASSAY	
					Au	Ag
Property INLAND EMPIRE	3047.0	5.80	7.60	1.80	0.02	0.34
At GRANVILLE MOUNTAIN	3048.0	7.60	8.80	1.20	Tr	0.02
Claim No. L1157/1431	3049.0	8.80	10.05	1.25	0.02	0.04
Working Place BERWIN/ALICE L	3050.0	12.37	13.80	0.73	Tr	0.04
Baseline Footage N5467.89	3051.0	22.80	25.15	2.35	Tr	0.38
Baseline Offset E4824.62	3052.0	25.15	26.80	1.65	Tr	0.30
Date Started 12-09-79	3053.0	28.65	29.80	1.15	Tr	0.02
Date Completed 14-09-79	3054.0	29.34	32.54	0.70	0.01	0.32
Date Logged 15-09-79	3055.0	40.45	41.55	1.10	Tr	0.02
Logged By J. DAVID WILLIAMS	3056.0	42.76	43.06	0.30	0.01	0.40
	3057.0	44.30	45.80	1.00	Tr	0.06
Dip -42.5°	3058.0	45.80	47.91	2.11	Tr	0.06
Length 66.4	3059.0	47.91	48.83	0.92	0.01	0.22
Azimuth 253°	3060.0	48.53	49.60	0.77	0.01	0.12
Elev. Collar 1643.98	3061.0	49.60	50.57	0.93	Tr	0.34
Horiz. Trace 50.3	3062.0	50.57	52.00	1.13	Tr	0.02
Vertical Trace 43.0	3063.0	52.00	53.20	1.20	Tr	0.06
Core Recovery 100%	3064.0	54.59	55.82	0.73	Tr	0.02
Depth of Intersection --	3065.0	55.75	57.20	1.45	Tr	0.48
	3066.0	58.76	60.35	1.59	Tr	0.36
DIP TESTS 2	3067.0	63.58	64.07	0.49	Tr	0.16
At 32.92 Feet 42.5°						
At 65.53 Feet 42.5°						
At Feet						
At Feet						
At Feet						
J. David Williams 18-10-79						

PRECAMBRIAN SHIELD RESOURCES, LTD.

DDH. NO.
GMP-8

Diamond Drill Hole Log _____

Page 1/5

PURPOSE Determination of vertical extent of grade of vein zone directly below
that cut in hole GMP-7

PROJECT LOCATION GRANVILLE MOUNTAIN
BERTLIN L 11157 / ALICE L 14351

COLLAR Northing 5467.96
 Easting 4824.89
 Elevation 1643.76

NOTES Hole planned so that
expected intersection occurred
at about the same elevation as
GMP-5 & -6 and 30m north
along strike from GMP-6

DRIILLED Bearing 253°
 Dip -60°
 Length 87.8

Dr. Mo. Yr Started 14-09-79
 Completed 17-09-79
 Logged 17-09-79

DIP TESTS No. 1 48.15/60.0°

RESULTS A wide and strong alteration zone from 60-83m was the only significant
feature of interest. Nothing within this length, including a quartz zone
at 70m showed positive results. As with GMP-6, a syenite/diabase
breccia was cut indicating that this rock type is an extensive unit.
The hole was terminated as soon as this rock type was shown to be
consistent.

GEOLOGIST J. DAVID WILLIAMS
Signature J. David Williams
DATE 18 October 1979

PRECAMBRIAN SHIELD RESOURCES LTD.

DDH. NO.
GMP-8

Diamond Drill Hole Log _____

PAGE TWO/S _____

DISTANCES		DESCRIPTION	S ₂	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
0.0	1.83	OVERLIDEN				
1.83	9.30	SYENITE				
		white, CT ~ 15 (due to bble subhedral), med grained becoming slightly finer grained w/ depth. Surface weathering (rust & clay) extends in an irreg pattern to 5.90 m. granitic texture, nonmagnetic.				
		5.90 - 7.30 alt zone surrounding an irreg calcite veinlet w/ flooding by frags some of which are syenite, horn along deeper wall. Chlorite & epidote frags frequent. magnetite common in veinlet.	Tr py	3068.0	Tr	0.22
9.30	18.45	SYENITE ALTERATION ZONE				
		dark green-grey alt becoming stronger w/ depth. Upper section contains weakly calc. zones of strong epid. alt. w/ partial or complete erosion of granitic texture of syenite. Segments of unalt'd. syenite fine-med grained. CT ~ 35.				
		12.20 - 13.93 almost continuous hard dark grey silice alt containing @ 40cm wide irreg glaucophane zone @ 12.45 (30°/CA) w/ epid. - slightly folded & sheared. Stage zone unmineralized except for mkt horn. Fine py disse throughout surrounding alt'd rx.	< 1% py	3069.0	Tr	0.24
		16.90 - 18.45 alt zone v similar to above containing 50cm wide glaucophane zone @ 17.20. Py restricted to bed surrounding alt'd rx. Occ. additional glaucophane stage 25-30°/CA.	2% py	3070.0	Tr	0.44

D-M-Y 18-10-79

GEOLOGIST J. David Williams

PRECAMBRIAN SHIELD RESOURCES LTD.

DDH. NO.
GNP-8

Diamond Drill Hole Log _____

PAGE THREE/5

DISTANCES		DESCRIPTION	S _x	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
18.45	59.75	SYENITE				
		white, CT=15, granitic texture grain size variable but well grained				
		occ. glaucophane string w/ alt halo				
		43.30 - 43.85 light grey silicified alt. zone containing much muscovite alt. and diss. py. Minor discrete, but irreg. gl. string & blebs of py.	5% py	3071 0	0.01	0.18
		49.77 - 51.60 med-lit grey calc alt zone, much horn in central zone; f-m grained euhedral py. division.	5% py	3072 0	Tr	0.20
59.75	68.90	SYENITE ALT ZONE				
		weak, patchy alt. of syenite - us. dark grey chloritized w/ epid alt.				
		59.75 - 61.42 pervasively epidote alt. as random patches & freckles	1% py	3073 0	Tr	0.08
		occ. glaucophane string (40% SS/CA), f. diss. py.				
		61.42 - 63.40 dark grey alt., much int. of diss. py.	5% py	3074 0	Tr	0.30
		64.47 - 66.65 weakly alt w/ epid. fracture fillings (30% SS/CA), bleached zones and horn patches; py on streaks & f.g. division.	2% py	3075 0	Tr	0.24
68.90	70.10	SILICIFIED ALTERATION ZONE				
		med-lit green chloritized zone, weakly calc. w/ several irreg. gl. string.				
		68.90 - 69.30 weak mod. br. in syenite w/ up to 5% diss. bleb. py.				

D-M-Y 18-10-79

GEOLOGIST David Williams

PRECAMBRIAN SHIELD RESOURCES LTD.

DDH NO.
GMP-8

Diamond Drill Hole Log _____

PAGE FOUR/5

DISTANCES		DESCRIPTION	S _z	SAMPLE NUMBER	ASSAYS	
FROM	TO				Au	Ag
70.10	71.05	QUARTZ ~75% white coarse grained, resinous quartz w/ patches of bleb py; v.f.g. dia. py. restricted to remaining f.g. talcose material x-cutting vein and dominating below 70.70m.	5-10 py	30770	Tr	0.12
71.05	75.55	SYENITE ALTERATION ZONE upper ~2m similar to 68.90 ⁺ mat'l (no mafic bc) alt. intensity decreasing w/ depth. Med-lit greygreen alt. calc. f.g. dia. py dia. throat, weakly calc., several epidote stages 71.05-73.15 ~10% qtz as irreg. stages 73.15-74.68	5-10 py	30780	Tr	0.02
		74.68-75.55 less strongly alt., syenite below surviving	5-10 py	30790	Tr	0.04
75.55	78.27	DIKE (ALTERED METANDIABASE) medgreen f-m grained, massive, w/ well-rounded silicic blebs irreg. scattered throat. Much chlorite alt., occ. epid. stage dia. py	2-5 py	30800	Tr	0.20
78.27	82.70	SYENITE ALTERATION ZONE continuing from 71.05 ⁺ alt. contact becoming progressively weaker 78.27-80.62 80.62-82.70	5-10 py	30810	Tr	0.04
			5-10 py	30820	Tr	0.02

D-M-Y 18-10-79

GEOLOGIST J. David Wilkins

DRILL HOLE DESCRIPTION AND ASSAYS

	SAMPLE NUMBER	FROM	TO	SAMPLE WIDTH	ASSAY		
					Ag ^{2T}	Ag ^{2T}	
Property	INLAND EMPIRE	3068 0	5.90	7.30	1.40	Tr	0.22
At	GRANVILLE MOUNTAIN	3069 0	12.20	13.93	1.73	Tr	0.24
Claim No.	L11157/L4331	3070 0	16.90	18.43	1.53	Tr	0.13
Working Place	BERLIN/AUCE L	3071 0	43.30	43.85	0.55	Tr	0.19
Baseline Footage	N 5437.96	3072 0	49.77	51.60	1.83	Tr	0.21
Baseline Offset	E 4824.89	3073 0	59.75	61.42	1.67	Tr	0.09
Date Started	14-09-79	3074 0	61.42	63.40	1.98	Tr	0.30
Date Completed	17-09-79	3075 0	64.47	66.65	2.18	Tr	0.33
Date Logged	17-09-79	3076 0	68.90	70.10	1.20	Tr	0.22
Logged By	J. DAVID WILLIAMS	3077 0	70.10	71.05	0.95	Tr	0.12
		3078 0	71.05	73.15	2.10	Tr	0.17
Dip	-60°	3079 0	73.15	74.63	1.53	Tr	0.14
Length	87.8	3080 0	74.63	75.55	0.97	Tr	0.20
Azimuth	253°	3081 0	78.27	80.62	2.35	Tr	0.14
Elev. Collar	1643.76	3082 0	80.62	82.70	2.08	Tr	0.12
Horiz. Trace	44.0	3083 0	82.70	85.34	2.64	Tr	0.14
Vertical Trace	76.0	3084 0	85.34	87.30	2.46	Tr	0.16
Core Recovery	100%						
Depth of Intersection	---						
DIP TESTS 1							
At	48 15	Feet	60 0°				
At	---	Feet					
At		Feet					
At		Feet					
At		Feet					
J. David Williams 18-10-79							

PRECAMBRIAN SHIELD RESOURCES LTD.

Page 5 of 16

Sample Report Sheet DDH GMP-8

Date 03-10-79

SAMPLE NUMBER	REFERENCE	FROM	TO	WIDTH	TYPE	ASSAY			
						As ^{wt}	Ag ^{wt}		
3068 0	GMP-8	5.90	7.30		Core	Tr	0.22		
	SYENITE altered								
3069 0	✓	12.20	13.93		✓	Tr	0.24		
	SYENITE alteration zone								
3070 0	✓	16.90	18.45		✓	Tr	0.44		
	SYENITE alteration zone								
3071 0	✓	43.30	43.85		✓	0.01	0.18		
	SYENITE altered								
3072 0	✓	49.77	51.60		✓	Tr	0.20		
	SYENITE altered								
3073 0	✓	59.75	61.42		✓	Tr	0.08		
	SYENITE alteration zone								
3074 0	✓	61.42	63.40		✓	Tr	0.30		
	SYENITE alteration zone								
3075 0	✓	64.47	66.65		✓	Tr	0.24		
	SYENITE alteration zone								
3076 0	✓	68.90	70.10		✓	0.01	0.02		
	Silicified alteration zone								
3077 0	✓	70.10	71.05		✓	Tr	0.12		
	QUARTZ								
3078 0	✓	71.05	73.15		✓	Tr	0.02		
	SYENITE alteration zone								

PRECAMBRIAN SHIELD RESOURCES LTD.

Sample Report Sheet DD4 GMP-7

Date: 08-10-79

SAMPLE NUMBER	REFERENCE	FROM	TO	WIDTH	TYPE	ASSAY			
						Au ^{2/T}	Ag ^{2/T}	Au ^{2/T}	Ag ^{2/T}
3047 0	GMP-7	5.80	7.60	1.80	Core	Tr	0.02	0.02 ^{2A}	0.24 ^{2A}
	SYENITE alteration zone								
3048 0	✓	7.60	8.80	1.20	✓	Tr	0.22		
	SYENITE alteration zone								
3049 0	✓	8.80	10.05	1.25	✓	0.02	0.24		
	SYENITE alteration zone								
3050 0	✓	37	13.30	0.93	✓	0.02	0.04		
	SYENITE (alter)								
3051 0	✓	22.80	25.15	2.35	✓	Tr	0.38		
	SYENITE alteration zone								
3052 0	✓	25.15	26.80	1.65	✓	Tr	0.30		
	SYENITE alteration zone								
3053 0	✓	28.65	29.80	1.15	✓	Tr	0.02		
	Quartz & Alteration								
3054 0	✓	29.84	30.54	0.70	✓	0.01	0.32		
	SYENITE								
3055 0	✓	40.45	41.55	1.10	✓	Tr	0.02		
	SYENITE alteration zone & Quartz								
3056 0	✓	42.76	43.06	0.30	✓	0.01	0.40		
	SYENITE								
3057 0	✓	44.80	45.80	1.00	✓	Tr	0.06		
	SYENITE alteration zone								

PRECAMBRIAN SHIELD RESOURCES LTD.

Page TEN/16

Sample Report Sheet DDH GMP-6 (Cont'd)

Date 08-10-79

SAMPLE NUMBER	REFERENCE	FROM	TO	WIDTH	TYPE	ASSAY				
						Au ^{ppm}	Ag ^{ppm}	Cu [%]	Pb [%]	Zn [%]
3015.0	GMP-6	48.15	50.30	2.15	Core	Tr	0.20			
	SYENITE alteration zone (w/ brecciation)									
3016.0	✓	50.30	52.43	2.13	✓	Tr	0.38			
	SYENITE alteration zone (w/ brecciation)									
3017.0	✓	52.43	54.90	2.47	✓	Tr	0.02			
	SYENITE alteration zone (w/ brecciation)									
3018.0	✓	54.90	57.45	2.55	✓	Tr	0.32			
	SYENITE alteration zone (w/ brecciation)									
3019.0	✓	57.45	59.53	2.08	✓	0.01	0.60			
	SYENITE alteration zone (w/ brecciation)									
3020.0	✓	62.80	64.60	1.80	✓	0.02	0.26	0.01	0.01	0.01
	SYENITE alteration zone (w/ brecciation)									
3021.0	✓	64.60	65.20	0.60	✓	Tr	0.20			
	SYENITE (alt zone)									
3022.0	✓	72.15	72.63	0.48	✓	Tr	0.28			
	SYENITE (alt. zone)									
3023.0	✓	76.35	78.33	1.98	✓	Tr	1.10			
	SYENITE alteration zone									
3024.0	✓	78.33	80.83	2.50	✓	Tr	0.58			
	SYENITE alteration zone									
3025.0	✓	80.83	81.83		✓	Tr	0.06			
	SYENITE alteration zone									

PRECAMBRIAN SHIELD RESOURCES LTD.

Page NINE/16

Sample Report Sheet JDH GMP-6

Date 08-10-79

SAMPLE NUMBER	REFERENCE	FROM	TO	WIDTH	TYPE	ASSAY		
						Au ^{oz/t}	Ag ^{oz/t}	
3004.0	GMP-6	18.00	19.20	1.20	Core	Tr	0.02	
		SYENITE alteration & breccia zone						
3005.0	✓	19.20	20.90	1.70	✓	Tr	0.10	
		SYENITE alteration & breccia zone						
3006.0	✓	20.90	22.74	1.84	✓	Tr	0.18	
		SYENITE (w/ breccia zone)						
3007.0	✓	22.74	25.00	2.26	✓	Tr	0.22	
		SYENITE (w/ breccia zone)						
3008.0	✓	25.00	25.75	0.75	✓	Tr	0.60	
		SYENITE (w/ breccia zone)						
3009.0	✓	25.75	27.34	1.59	✓	Tr	0.04	
		SYENITE (w/ breccia zone)						
3010.0	✓	30.85	32.10	1.25	✓	Tr	0.24	
		SYENITE (w/ breccia zone)						
3011.0	✓	32.10	32.90	0.80	✓	Tr	0.12	
		SYENITE alteration zone						
3012.0	✓	42.80	43.60	0.80	✓	Tr	0.02	
		SYENITE alteration zone (w/ brecciation)						
3013.0	✓	44.20	47.25	4.57	✓	Tr	0.62	
		SYENITE alteration zone (w/ brecciation)						
3014.0	✓	47.25	48.15	0.90	✓	Tr	0.18	
		SYENITE alteration zone (w/ brecciation)						

Sample Report Sheet DDH GMP-3

Date 19-09-79

SAMPLE NUMBER	REFERENCE	FROM	TO	WIDTH	TYPE	ASSAY				
	DESCRIPTION					Au ^{ppm}	Ag ^{ppm}	Cu [%]	Pb [%]	Zn [%]
10546	GMP-3	19.20	19.63	0.43	CORE	Tr	0.04	0.02	0.01	0.01
	Quartz veinlet & alteration zone									
10547	✓	26.30	27.43	0.13	✓	Tr	0.02	0.01	0.01	0.01
	Syenite breccia/alteration zone									
10548	✓	27.43	28.96	1.53	✓	Tr	0.02	0.02	0.01	0.01
	Syenite breccia/alteration zone									
10549	✓	28.96	29.44	0.48	✓	Tr	0.02	0.02	0.01	0.01
	Syenite breccia/alteration zone									
10550	✓	33.22	34.50	1.28	✓	Tr	0.02	0.01	0.01	0.01
	Syenite alteration zone									
10551	✓	35.05	35.97	0.92	✓	Tr	0.02	Tr	0.01	0.01
	Syenite alteration zone									
10552	✓	35.97	36.12	0.15	✓	Tr	0.18	0.09	0.01	0.02
	Syenite alteration zone									
10553	✓	36.12	37.49	1.37	✓	Tr	0.02	Tr	0.01	0.02
	Syenite alteration zone									
10554	✓	37.49	38.56	1.07	✓	0.01	0.02	0.03	0.01	0.02
	Fault syenite/shonkinite									
10555	✓	38.56	40.69	1.13	✓	Tr	0.02	0.01	0.01	0.01
	Shonkinite alteration zone									
10556	✓	58.98	59.28	0.30		Tr	0.04	0.01	0.01	0.01
	Diabase & shonkinite alteration zone									

PRECAMBRIAN SHIELD RESOURCES LTD.

Page 110/16

Sample Report Sheet DDH GMP-2

Date 19-09-79

SAMPLE NUMBER	REFERENCE	FROM	TO	WIDTH	TYPE	ASSAY				
	DESCRIPTION					Au ^{g/t}	Ag ^{g/t}	Cu [%]	Pb [%]	Zn [%]
10531	GMP-2	6.86	7.31	0.45	CORE	Tr	0.10	Tr	0.01	0.01
	Syenite alteration zone									
10532	✓	7.31	7.92	0.61	✓	Tr	0.04	Tr	0.01	0.01
	Syenite alteration zone									
10533	✓	17.53	17.59	0.06	✓	Tr	0.02	Tr	0.01	0.01
	Syenite - gneiss zone									
10534	✓	17.58	18.75	0.77	✓	0.010	0.02	Tr	0.01	0.01
	Syenite alteration & breccia zone									
10535	✓	18.75	19.05	0.30	✓	Tr	0.02	Tr	0.01	0.01
	Syenite alteration & breccia zone									
10536	✓	19.05	19.96	0.91	✓	Tr	0.02	Tr	0.01	0.01
	Syenite alteration & breccia zone									
10537	✓	19.96	20.88	0.92	✓	Tr	0.02	Tr	0.01	0.01
	Syenite alteration & breccia zone									
10538	✓	20.88	21.03	0.15	✓	Tr	0.02	Tr	Tr	0.01
	Syenite alteration & breccia zone									
10539	✓	21.03	21.85	0.82	✓	Tr	0.04	Tr	0.01	0.01
	Syenite alteration & breccia zone									
10540	✓	21.85	21.95	0.10	✓	Tr	0.12	0.01	0.01	0.01
	Syenite alteration & breccia zone									
10541	✓	22.25	22.59	0.34	✓	Tr	0.04	0.01	0.01	0.01
	Syenite alteration & breccia zone									

127

ENTERED

To: PRECAMBIAN SHIELD RESOURCES LTD.

File No. 17589

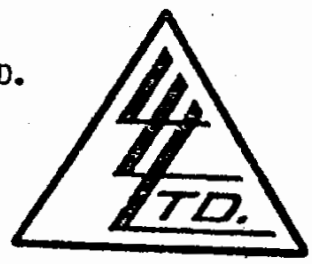
General Delivery

Date August 25, 1979

Christina Lake, B. C. VOH LEO

Samples Rock Chips

ATTN: J. D. Curry



**Certificate of
ASSAY of
LORING LABORATORIES LTD.**

Page # 1

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu	% Pb	% Zn
"ROCK SAMPLES"					
10521	.010	.02	.01	.02	.04
10522	Trace	.02	.01	.03	.02
10523	Trace	.18	.01	.01	.01
10526	.010	.02	.01	.01	.01
10527	Trace	.02	.01	.01	.01
10528	Trace	.02	.01	.01	.01
10529	Trace	.02	Trace	.01	.01
10530	Trace	.01	.02	.01	.01
10531	Trace	.10	Trace	.01	.01
10532	Trace	.04	Trace	.01	.01
10533	Trace	.02	Trace	.01	.01
10534	.010	.02	Trace	.01	.01
10535	Trace	.02	Trace	.01	.01
10536	Trace	.02	Trace	.01	.01
10537	Trace	.02	Trace	.01	.01
10538	Trace	.02	Trace	Trace	.01
10539	Trace	.04	Trace	.01	.01
10540	Trace	.12	.01	.01	.01
10541	Trace	.04	.01	.01	.01

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.

C. L. M. Joane

ENTERED

To: PRECAMBIAN SHIELD RESOURCES LTD.

File No. 17589

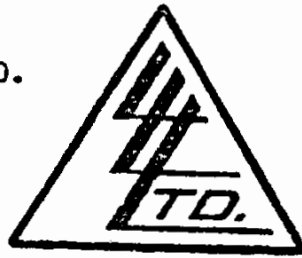
General Delivery

Date August 25, 1979

Christina Lake, B. C. VOH LEO

Samples Rock Chips

ATTN: J. D. Curry



Certificate of ASSAY of LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu	% Pb	% Zn
10542	.010	.04	.01	Trace	.01
10543	Trace	.04	Trace	.01	.01
10544	.010	.02	.01	.01	.01
10545	Trace	.08	.01	.01	.01
10546	Trace	.04	.02	.01	.01
10547	Trace	.02	.01	.01	.01
10548	Trace	.02	.02	.01	.01
10549	Trace	.02	.02	.01	.01
10550	Trace	.02	.01	.01	.01
10551	Trace	.02	Trace	.01	.01
10552	Trace	.18	.09	.01	.02
10553	Trace	.02	Trace	.01	.02
10554	.010	.02	.03	.01	.02
10555	Trace	.02	.01	.01	.01
10556	Trace	.04	.01	.01	.01
10557	Trace	.04	Trace	.01	.01

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month. Pulp Retained one month unless specific arrangements made in advance.

Signature of J. D. Curry

ENTERED

To: PRECAMERIAN SHIELD RESOURCES LIMITED

File No. 17560

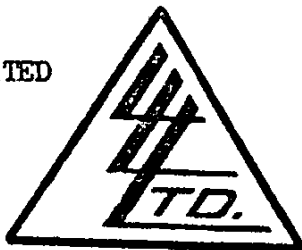
No. General Delivery

Date September 4, 1979

Christina Lake, B. C. VOH 1EO

Samples Rock Chips

ATTN: John D. Curry



Certificate of ASSAY OF

LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu	% Pb	% Zn
"ROCK CHIP SAMPLES"					
10558	Trace	.02	.02	Trace	.01
10559	Trace	.02	.03	Trace	.01
10560	Trace	.02	Trace	Trace	.01
10561	Trace	.02	Trace	Trace	.01
10562	Trace	.02	Trace	Trace	.01
10563	Trace	.02	Trace	Trace	.01
10564	.010	.76	.01	.06	.01
10565	Trace	.02	Trace	Trace	.01
10566	Trace	.02	.01	Trace	.01
10567	.010	.22	.01	Trace	.01
10568	Trace	.12	Trace	.04	.01
10569	.070	.94	.01	.02	.01
10570	Trace	.02	.01	Trace	.01
10571	.010	.02	Trace	Trace	.01
10572	.010	.02	.01	Trace	.01
10573	Trace	.02	.01	Trace	.01
10574	Trace	.08	.01	Trace	.01
10575	Trace	.02	Trace	.04	.01
30010	Trace	.08	Trace	.02	.01

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

John D. Curry

To: PRECAMERIAN SHIELD RESOURCES LIMITED

File No. 17560

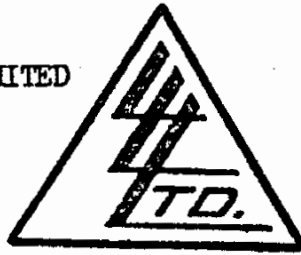
c/o General Delivery

Date September 4, 1979

Christina Lake, B. C. VOH 1EO

Samples Rock Chips

ATTN: John D. Curry



**Certificate of
ASSAY
LORING LABORATORIES LTD.**

Page # 2

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu	% Pb	% Zn
30020	Trace	.02	.01	Trace	.01
30030	Trace	.02	Trace	Trace	.01

I **Hereby Certify** THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

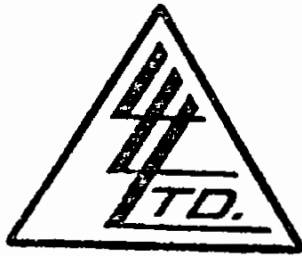
Rejects Retained one month.

Pulps Retained one month
unless specific arrangements
made in advance

John D. Curry

To: PRECAMBRIAN SHIELD
c/o General Delivery
Christina Lake, B.C.
VOH 1EO
ATTN: John D. Gurry

File No. 17761
Date September 20, 1979
Samples Rock



Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu	% Pb	% Zn
<u>"ROCK SAMPLES"</u>					
3004	Trace	.02	-	-	-
3005	Trace	.10	-	-	-
3006	Trace	.18	-	-	-
3007	Trace	.22	-	-	-
3008	Trace	.60	-	-	-
3009	Trace	.04	-	-	-
3010	Trace	.24	-	-	-
3011	Trace	.12	-	-	-
3012	Trace	.02	-	-	-
3013	Trace	.62	-	-	-
3014	Trace	.18	-	-	-
3015	Trace	.20	-	-	-
3016	Trace	.38	-	-	-
3017	Trace	.02	-	-	-
3018	Trace	.32	-	-	-
3019	.010	.60	-	-	-
3020	.020	.26	.01	.01	.01
3021	Trace	.20	-	-	-
3022	Trace	.28	-	-	-
3023	Trace	1.10	-	-	-

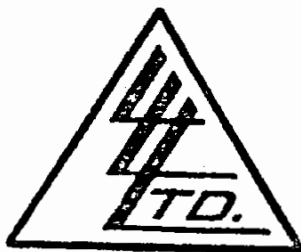
I hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.

John D. Gurry

To: PRECAMERIAN SHIELD
c/o General Delivery
Christina Lake, B.C.
VOH LEO
ATTN: John D. Curry

File No. 17761
 Date September 20, 1979
 Samples Rock



**Certificate of
 ASSAY of
 LORING LABORATORIES LTD.**

Page # 2

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
3024	Trace	.58
3025	Trace	.06
3026	.010	.10
3027	Trace	.24
3028	Trace	.14
3029	.010	.06
3030	Trace	.02
3031	Trace	.02
3032	Trace	.30
3033	Trace	.38
3034	Trace	.12
3035	Trace	.04
3036	Trace	.02
3037	Trace	.02
3038	Trace	.02
3039	Trace	.02
3040	Trace	.08
3041	Trace	.28
3042	Trace	.24
3043	Trace	.08
3044	Trace	.44

I **Hereby Certify** THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

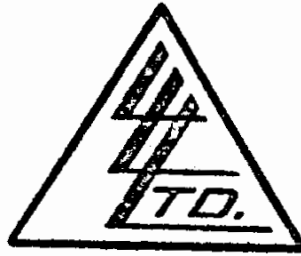
Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Edm. J. ...

ENTERED

To: PRECAMBERTIAN SHIELD
c/o General Delivery
Christina Lake, B.C.
VOH 1EO
ATTN: John D. Curry

File No. 17761
Date September 20, 1979
Samples Rock



Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 3

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
3045	Trace	.04
3046	Trace	.02
3047	Trace	.02
3048	Trace	.22
3053	Trace	.02
3055	Trace	.02
3057	Trace	.06
3058	Trace	.06
3059	.010	.22
3060	.010	.12
3061	Trace	.34
3062	Trace	.02
3063	Trace	.06
3076	.010	.02
3077	Trace	.12
3078	Trace	.02
3079	Trace	.04
3080	Trace	.20
3081	Trace	.04
3082	Trace	.02

3083 Not received in Shipment
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

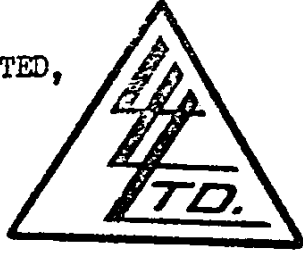
Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.

Signature

ENTERED

To: PREGAMERIAN SHIELD RESOURCES LIMITED,
/o General Delivery,
Christina Lake, B.C. VOH 1EO

File No. 17831
Date September 26, 1979
Samples Cores



Certificate of
ASSAY of

LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
<u>"Core Samples"</u>		
3047	.020	.24
3049	.020	.04
3050	Trace	.24
3051	Trace	.38
3052	Trace	.30
3054	.010	.32
3056	.010	.40
3064	Trace	.02
3065	Trace	.48
3066	Trace	.36
3067	Trace	.16
3068	Trace	.22
3069	Trace	.24
3070	Trace	.44
3071	.010	.18
3072	Trace	.20
3073	Trace	.08
3074	Trace	.30
3075	Trace	.24

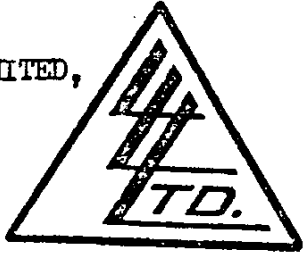
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.

Edmond J. ...

ENTERED

To: PRECAMERIAN SHIELD RESOURCES LIMITED,
/a General Delivery,
Christina Lake, B.C. VOH 1EO



File No. 17831
Date September 26, 1979
Samples Cores

ATTN: John D. Curry

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
3083	Trace	.04
3084	Trace	.16

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.

E. L. McIsaac

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE (ALPINE) Page 1

KIND - TRANSLATED COORDINATES

D.M.Y. <u>16-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>45.5686</u>	H.I. <u>1.505</u>
<u>SO01 spad in r/c NG - spad in tree</u>			<u>46.180</u>	<u>-9°20'</u>	V. <u>-7.4894</u>	H.P. <u>0.0</u>
<u>GPI ground pin - removed</u>			ELEVATION	NORTHING	EASTING	
<u>SO01</u>	<u>0°00'</u>	<u>NG</u>	<u>0.0000</u>	<u>0.0000</u>	<u>0.0000</u>	
<u>STA.</u>	<u>53°05'</u>		<u>-5.9844</u>	<u>27.3709</u>	<u>36.4326</u>	
<u>SO01</u>	<u>53°05'</u>	<u>GPI</u>	<u>-5.9844</u>	<u>27.3709</u>	<u>36.4326</u>	

RESHOT

D.M.Y. <u>16-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>10.3045</u>	H.I. <u>1.222</u>
			<u>10.335</u>	<u>-4°24'</u>	V. <u>-0.7929</u>	H.P. <u>0.0</u>
			ELEVATION	NORTHING	EASTING	
<u>GPI</u>	<u>233°05'</u>	<u>SO01</u>	<u>-5.9844</u>	<u>27.3709</u>	<u>36.4326</u>	
<u>STA.</u>	<u>178°50'</u>		<u>0.4291</u>	<u>6.3559</u>	<u>8.1109</u>	
<u>GPI</u>	<u>51°55'</u>	<u>SO02</u>	<u>-5.5553</u>	<u>33.7268</u>	<u>44.5435</u>	

RESHOT

D.M.Y. <u>16-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>26.2665</u>	H.I. <u>1.222</u>
			<u>26.335</u>	<u>-4°08'</u>	V. <u>-1.8982</u>	H.P. <u>0.0</u>
			ELEVATION	NORTHING	EASTING	
<u>GPI</u>	<u>233°05'</u>	<u>SO01</u>	<u>-5.9844</u>	<u>27.3709</u>	<u>36.4326</u>	
<u>STA.</u>	<u>220°59'</u>		<u>-0.6762</u>	<u>-1.8627</u>	<u>26.2004</u>	
<u>GPI</u>	<u>94°04'</u>	<u>SO03</u>	<u>-6.6606</u>	<u>25.5082</u>	<u>62.6330</u>	

RESHOT

D.M.Y. <u>16-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>34.4080</u>	H.I. <u>0.922</u>
			<u>35.325</u>	<u>-13°05'</u>	V. <u>-7.9964</u>	H.P. <u>0.0</u>
			ELEVATION	NORTHING	EASTING	
<u>SO03</u>	<u>274°04'</u>	<u>GPI</u>	<u>-6.6606</u>	<u>25.5082</u>	<u>62.6330</u>	
<u>STA.</u>	<u>250°59'</u>		<u>-7.0744</u>	<u>-33.2434</u>	<u>8.8764</u>	
<u>SO03</u>	<u>165°03'</u>	<u>SO04</u>	<u>-13.7350</u>	<u>-7.7352</u>	<u>71.5094</u>	

RESHOT

D.M.Y. <u>16-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>38.3979</u>	H.I. <u>0.872</u>
			<u>38.780</u>	<u>-8°03'</u>	V. <u>-5.4306</u>	H.P. <u>0.0</u>
			ELEVATION	NORTHING	EASTING	
<u>SO04</u>	<u>345°03'</u>	<u>SO02</u>	<u>-13.7350</u>	<u>-7.7352</u>	<u>71.5094</u>	
<u>STA.</u>	<u>205°20'</u>		<u>-4.5586</u>	<u>-37.7691</u>	<u>-6.9206</u>	
<u>SO04</u>	<u>190°23'</u>	<u>GPI2</u>	<u>-18.2936</u>	<u>-45.5043</u>	<u>64.5888</u>	

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE (ALBION) Page 2

NON-TRANSLATED

RESHOT	D.M.Y. <u>16-07-79</u>		Meas. Dist.	Vert. Angle	H. <u>43.3306</u>	H.I. <u>1.474</u>
			<u>43.970</u>	<u>-9°47'</u>	V. <u>-7.4715</u>	H.P. <u>0.0</u>
			ELEVATION	NORTHING		EASTING
	GP2	<u>10°23'</u>	<u>S004</u>	<u>-18.2936</u>	<u>-45.5043</u>	<u>64.5888</u>
	STA.	<u>107°53'</u>	<u>-5.9975</u>	<u>-20.5203</u>	<u>38.1635</u>	
	GP2	<u>-118°16'</u>	<u>GP3</u>	<u>-24.2911</u>	<u>-66.0246</u>	<u>102.7523</u>

RESHOT	D.M.Y. <u>16-07-79</u>		Meas. Dist.	Vert. Angle	H. <u>21.9757</u>	H.I. <u>1.368</u>
			<u>22.150</u>	<u>-14°07'</u>	V. <u>-5.5267</u>	H.P. <u>-0.132</u>
			ELEVATION	NORTHING		EASTING
	GP3	<u>298°16'</u>	<u>GP2</u>	<u>-24.2911</u>	<u>-66.0246</u>	<u>102.7523</u>
	STA.	<u>246°59'</u>	<u>-4.2907</u>	<u>-21.8935</u>	<u>-2.0108</u>	
	GP3	<u>185°15'</u>	<u>S007</u>	<u>-28.5818</u>	<u>-87.9081</u>	<u>100.7415</u>

RESHOT	D.M.Y. <u>16-07-79</u>		Meas. Dist.	Vert. Angle	H. <u>32.2365</u>	H.I. <u>1.130</u>
			<u>32.506</u>	<u>-7°23'</u>	V. <u>-4.1773</u>	H.P. <u>-0.132</u>
			ELEVATION	NORTHING		EASTING
	S007	<u>5°15'</u>	<u>GP3</u>	<u>-28.5818</u>	<u>-87.9081</u>	<u>100.7415</u>
	STA.	<u>157°40'</u>	<u>-3.1793</u>	<u>-30.8142</u>	<u>9.4699</u>	
	S007	<u>162°55'</u>	<u>S005</u>	<u>-31.7611</u>	<u>-118.7223</u>	<u>110.2114</u>

RESHOT	D.M.Y. <u>16-07-79</u>		Meas. Dist.	Vert. Angle	H. <u>41.5849</u>	H.I. <u>1.130</u>
			<u>41.585</u>	<u>+0°07'</u>	V. <u>0.0847</u>	H.P. <u>-0.132</u>
			ELEVATION	NORTHING		EASTING
	S007	<u>5°15'</u>	<u>GP3</u>	<u>-28.5818</u>	<u>-87.9081</u>	<u>100.7415</u>
	STA.	<u>196°42'</u>	<u>1.0327</u>	<u>-38.5704</u>	<u>-15.5443</u>	
	S007	<u>201°57'</u>	<u>S006</u>	<u>-27.4991</u>	<u>-126.4785</u>	<u>85.1972</u>

RESHOT	D.M.Y. <u>17-07-79</u>		Meas. Dist.	Vert. Angle	H. <u>43.8427</u>	H.I. <u>1.502</u>
			<u>43.877</u>	<u>-2°16'</u>	V. <u>-1.7354</u>	H.P. <u>0.0</u>
			ELEVATION	NORTHING		EASTING
	S002	<u>232°59'</u>	<u>S001</u>	<u>-5.5413</u>	<u>33.6197</u>	<u>44.5852</u>
	STA.	<u>196°16'</u>	<u>-0.2334</u>	<u>15.5331</u>	<u>40.9988</u>	
	S002	<u>69°15'</u>	<u>GP4</u>	<u>-5.7747</u>	<u>49.1528</u>	<u>85.5840</u>

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE (ALRIOMTS) Page 3

~~NON-TRANSLATED COORDINATES~~

Date: 17-07-79			Horiz. Dist.	Vert. Angle	H. 37.8784	H.I. 1.509
			37.919	-2° 39'	V. -1.7532	H.P. 0.0
Ground pin-removed (Nideral)			ELEVATION	NORTHING	EASTING	
GP4	249° 15'	S002	-5.7747	49.1528	85.5840	
	190° 48'		-0.2442	6.5450	37.3087	
GP4	80° 03'	GPS	-6.0189	55.6978	122.8927	

Date: 17-07-79			Horiz. Dist.	Vert. Angle	H. 25.9766	H.I. 0.937
			26.484	+11° 14'	V. 5.1592	H.P. -1.038
Spd in rock			ELEVATION	NORTHING	EASTING	
GPS	260° 03'	GP4	-6.0189	55.6978	122.8927	
	191° 27'		4.9582	-0.6800	25.9677	
GPS	91° 30'	S008	-1.0607	55.0178	148.8604	

Date: 17-07-79			Horiz. Dist.	Vert. Angle	H. 38.3325	H.I. 1.437
			38.393	-3° 13'	V. -2.1543	H.P. 0.0
Spd in rock			ELEVATION	NORTHING	EASTING	
S008	271° 30'	GPS	-1.0607	55.0178	148.8604	
	162° 02'		-0.7173	10.8656	36.7603	
S008	73° 32'	S009	-1.7780	65.8834	185.6207	

Date: 17-07-79			Horiz. Dist.	Vert. Angle	H. 38.0962	H.I. 1.504
			38.324	-6° 15'	V. -4.1722	H.P. 0.0
Ground pin-removed (Esiderd)			ELEVATION	NORTHING	EASTING	
S009	253° 32'	S008	-1.7780	65.8834	185.6207	
	156° 29'		-2.6682	24.4793	29.1905	
S009	50° 01'	GP6	-4.4462	90.3627	214.8112	

Date: 17-07-79			Horiz. Dist.	Vert. Angle	H. 12.0802	H.I. 1.640
			12.204	+8° 10'	V. 1.7336	H.P. -0.132
Spd in rock			ELEVATION	NORTHING	EASTING	
GP6	230° 01'	S009	-4.4462	90.3627	214.8112	
	221° 13'		3.2416	-0.2600	12.0774	
GP6	91° 14'	KP	-1.2046	90.1027	226.8886	

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE (ALBION Rd)

Page 4

NON-TRANSLATED COORDINATES

Date: <u>17-07-79</u>			Horiz. Dist.	Vert. Angle	H. 49.4360	H.I. 1.640
			49.446	+1°09'	V. 0.9924	H.P. -1.040
Ground pin removed east side rd			ELEVATION	NORTHING	EASTING	
GP6	230°01'	S009	-4.4462	90.3627	214.8112	
	123°40'		1.5924	49.1359	-5.4391	
GP6	353°41'	GP7	-2.8538	139.4986	209.3721	

Date: <u>17-07-79</u>			Horiz. Dist.	Vert. Angle	H. 48.9347	H.I. 1.638
			49.008	-3°08'	V. -2.6788	H.P. -0.132
Ground pin removed west side rd			ELEVATION	NORTHING	EASTING	
GP7	173°41'	GP6	-2.8538	139.4986	209.3721	
	193°28'		-1.1728	48.5542	6.0908	
GP7	7°09'	GP8	-4.0266	188.0528	215.4629	

Date: <u>17-07-79</u>			Horiz. Dist.	Vert. Angle	H. 9.3985	H.I. 1.598
			9.575	-11°01'	V. -1.8297	H.P. 0.0
Ground pin removed west side rd			ELEVATION	NORTHING	EASTING	
GP8	187°09'	GP7	-4.0266	188.0528	215.4629	
	169°30'		-0.2317	9.3825	0.5492	
GP8	356°39'	GP9	-4.2583	197.4353	214.9137	

Date: <u>17-07-79</u>			Horiz. Dist.	Vert. Angle	H. 38.0651	H.I. 1.598
			38.085	-1°51'	V. -1.2295	H.P. -0.024
Spod in rock			ELEVATION	NORTHING	EASTING	
GP8	187°09'	GP7	-4.0266	188.0528	215.4629	
	186°02'		0.3445	37.0620	8.6814	
GP8	13°11'	S010	-3.6821	225.1148	224.1443	

Date: <u>17-07-79</u>			Horiz. Dist.	Vert. Angle	H. 24.7229	H.I. 1.659
			24.943	-7°37'	V. -3.3061	H.P. -0.024
Spod in rock			ELEVATION	NORTHING	EASTING	
S010	193°11'	GP8	-3.6821	225.1148	224.1443	
	192°11'		-1.6711	22.3393	10.5915	
S010	25°22'	S012	-5.3532	247.4541	234.7358	

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE (FRACTION 12) Page 5

NON-TRANSLATED COORDINATES

Date: <u>17-07-79</u>			Horiz. Dist.	Vert. Angle	H. 29.2292	H.I. 1.612
<u>spad in rock</u>			29.671	-9°54'	V. -5.1013	H.P. 0.0
			ELEVATION	NORTHING		EASTING
S012	205°22'	S010	-5.3532	247.4541		234.7358
	245°34'		-3.4893	-0.4761		29.2253
S012	90°56'	S013	-8.8425	246.9780		263.9611

Date: <u>17-07-79</u>			Horiz. Dist.	Vert. Angle	H. 37.4544	H.I. 1.536
<u>ground pin - removed</u> <u>at corner south edge road</u>			37.495	-2°40'	V. -1.7445	H.P. 0.0
			ELEVATION	NORTHING		EASTING
S013	270°56'	S012	-8.8425	246.9780		263.9611
	246°04'		-0.2085	-34.4770		14.6346
S013	157°00'	GP10	-9.0510	212.5010		278.5957

Date: <u>18-07-79</u>			Horiz. Dist.	Vert. Angle	H. 32.1916	H.I. 1.589
<u>ground pin - removed</u> <u>south edge road</u>			32.215	-2°11'	V. -1.2273	H.P. 0.0
			ELEVATION	NORTHING		EASTING
GP10	337°00'	S013	-9.0510	212.5010		278.5957
	157°42'		0.3617	-22.6434		22.8818
GP10	134°42'	GP11	-8.6893	189.8576		301.4775

Date: <u>18-07-79</u>			Horiz. Dist.	Vert. Angle	H. 24.8336	H.I. 1.597
<u>ground pin - removed</u> <u>north side road</u>			24.834	+0°20'	V. 0.1445	H.P. -1.040
			ELEVATION	NORTHING		EASTING
GP11	314°42'	GP10	-8.6893	189.8576		301.4775
	164°57'		0.7015	-12.2852		21.5820
GP11	119°39'	GP12	-7.9878	177.5724		323.0595

Date: <u>18-07-79</u>			Horiz. Dist.	Vert. Angle	H. 20.2461	H.I. 1.628
<u>ground pin - removed</u> <u>at corner NW edge</u>			20.625	-11°00'	V. -3.9354	H.P. 0.0
			ELEVATION	NORTHING		EASTING
GP12	299°39'	GP11	-7.9878	177.5724		323.0595
	191°21'		-2.3074	-13.2826		15.2799
GP12	131°00'	TP1	-10.2952	164.2898		338.3394

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE (FRACTION 1/2) Page 6

NON-TRANSLATED COORDINATES

Date: 18-07-79			Horiz. Dist.	Vert. Angle	H. 33.9677	H.I. 1.463
			34.018	-3°07'	V. -1.8495	H.P. 0.0
spad in rock			ELEVATION	NORTHING	EASTING	
TP1	311°00'	GP12	-10.2952	164.2898	338.3394	
	224°07'		-0.3865	-33.8444	2.8916	
TP1	175°07'	TP2	-10.6817	130.4454	341.2310	

Date: 18-07-79			Horiz. Dist.	Vert. Angle	H. 37.5318	H.I. 1.610
			37.742	-6°03'	V. -3.3979	H.P. -0.132
spad in rock			ELEVATION	NORTHING	EASTING	
TP2	355°07'	TP1	-10.6817	130.4454	341.2310	
	166°15'		-2.4999	-35.5645	11.9918	
TP2	161°22'	SO14	-13.1816	94.8809	353.2228	

Date: 18-07-79			Horiz. Dist.	Vert. Angle	H. 30.8178	H.I. 1.609
			30.981	-5°53'	V. -3.1757	H.P. -0.132
spad in rock			ELEVATION	NORTHING	EASTING	
SO14	341°22'	TP2	-13.1816	94.8809	353.2228	
	205°01'		-1.6987	-30.6268	-3.4263	
SO14	186°23'	SO15	-14.8803	64.2541	349.7965	

Date: 18-07-79			Horiz. Dist.	Vert. Angle	H. 23.6418	H.I. 1.040
			23.889	-8°15'	V. -3.4279	H.P. -0.132
spad in rock			ELEVATION	NORTHING	EASTING	
SO15	6°23'	SO14	-14.8803	64.2541	349.7965	
	116°33'		-2.5199	-12.8532	19.8426	
SO15	122°56'	SO16	-17.4002	51.4009	369.6391	

Date: 18-07-79			Horiz. Dist.	Vert. Angle	H. 11.5327	H.I. 1.367
			11.559	+3°52'	V. 0.7795	H.P. 0.0
spad in rock			ELEVATION	NORTHING	EASTING	
SO16	302°56'	SO15	-17.4002	51.4009	369.6391	
	011°00'		2.1465	8.0016	-8.3052	
SO16	313°56'	SO17	-15.2537	59.4025	361.3339	

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE (FRACTION) Page 7

NON-TRANSLATED COORDINATES

Date: <u>18-07-79</u>			Horiz. Dist.	Vert. Angle	H. <u>15.2697</u>	H.I. <u>1.367</u>
<u>rod completely sunk in rock</u>			<u>15.378</u>	<u>+5°00'</u>	V. <u>1.3359</u>	H.P. <u>0.0</u>
			ELEVATION	NORTHING	EASTING	
S016	<u>302°56'</u>	S015	<u>-17.4002</u>	<u>51.4009</u>	<u>369.6391</u>	
	<u>129°19'</u>		<u>2.7029</u>	<u>4.6552</u>	<u>14.5428</u>	
S016	<u>72°15'</u>	S018	<u>-14.6973</u>	<u>56.0561</u>	<u>384.1819</u>	

Date: <u>18-07-79</u>			Horiz. Dist.	Vert. Angle	H. <u>26.2492</u>	H.I. <u>1.367</u>
<u>rod in rock</u>			<u>26.385</u>	<u>-5°49'</u>	V. <u>-2.6740</u>	H.P. <u>-0.838</u>
			ELEVATION	NORTHING	EASTING	
S016	<u>302°56'</u>	S015	<u>-17.4002</u>	<u>51.4009</u>	<u>369.6391</u>	
	<u>177°01'</u>		<u>-2.1450</u>	<u>-13.1047</u>	<u>22.7439</u>	
S016	<u>119°57'</u>	S019	<u>-19.5452</u>	<u>38.2962</u>	<u>392.3830</u>	

Date: _____			Horiz. Dist.	Vert. Angle	H.	H.I.
_____					V.	H.P.
			ELEVATION	NORTHING	EASTING	

Date: _____			Horiz. Dist.	Vert. Angle	H.	H.I.
_____					V.	H.P.
			ELEVATION	NORTHING	EASTING	

Date: _____			Horiz. Dist.	Vert. Angle	H.	H.I.
_____					V.	H.P.
			ELEVATION	NORTHING	EASTING	

✓

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE GRID # Page 8

NON-TRANSLATED COORDINATES

D-MY <u>18-07-79</u>			Meas. Dist.	Vert. Angle	H. 14.0733	H.I. 1.501
<u>spad in deadfall</u>			14.180	-7°02'	V. -1.7363	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
GP9	18°27' ^{calc}	SD10	-4.2583	197.4353	214.9137	
STA.	329°10'		-0.2353	13.7459	-3.0180	
GP9	347°31'	BL01	-4.4936	211.1812	211.8957	

D-MY <u>19-07-79</u>			Meas. Dist.	Vert. Angle	H. 22.5778	H.I. 0.864
<u>spad in deadfall</u>			22.676	-5°20'	V. -2.1077	H.P. -0.840
			ELEVATION	NORTHING	EASTING	
BL01	167°37'	GP9	-4.4936	211.1812	211.8957	
STA.	193°10'		-2.0837	22.5757	0.3087	
BL01	00°47'	BL02	-6.5773	233.7569	212.2044	

D-MY <u>19-07-79</u>			Meas. Dist.	Vert. Angle	H. 35.8290	H.I. 1.077
<u>spad in deadfall</u>			36.022	-5°56'	V. -3.7236	H.P. -1.040
			ELEVATION	NORTHING	EASTING	
BL02	180°47'	BL01	-6.5773	233.7569	212.2044	
STA.	172°05'		-3.6866	35.5517	-4.4492	
BL02	352°52'	BL03	-10.2639	269.3086	207.7552	

D-MY <u>19-07-79</u>			Meas. Dist.	Vert. Angle	H. 36.8354	H.I. 1.033
<u>spad in deadfall</u>			37.421	-10°09'	V. -6.5945	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
BL03	172°52'	BL02	-10.2639	269.3086	207.7552	
STA.	182°32'		-5.5615	36.7167	-2.9542	
BL03	355°24'	BL04	-15.8254	306.0253	204.8010	

D-MY <u>19-07-79</u>			Meas. Dist.	Vert. Angle	H. 24.2671	H.I. 1.139
<u>spad in deadfall</u>			25.592	-18°31'	V. -8.1275	H.P. -0.132
			ELEVATION	NORTHING	EASTING	
BL04	175°24'	BL03	-15.8254	306.0253	204.8010	
STA.	178°55'		-7.1205	24.1478	-2.4032	
BL04	354°19'	BL05	-22.9459	330.1731	202.3978	

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE GRID B Page 9

MINI-TRANSLATED COORDINATES

D-MY <u>19-07-79</u> <u>spod in deadfall</u>			Meas. Dist.	Vert. Angle	H. 12.5329	H.I. 0.996
			12.966	-14° 51'	V. -3.3230	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
BLO5	174° 18'	BLO4	-22.9459	330.1731	202.3978	
STA.	174° 12'		-2.3270	12.2821	-2.4951	
BLO5	348° 31'	BLO6	-25.2729	342.4552	199.9027	

D-MY <u>19-07-79</u> <u>spod in deadfall</u>			Meas. Dist.	Vert. Angle	H. 26.1858	H.I. 0.762
			27.932	-20° 22'	V. -9.7211	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
BLO6	168° 31'	BLO5	-25.2729	342.4552	199.9027	
STA.	187° 11'		-3.9591	26.1121	-1.9634	
BLO6	355° 42'	BLO7	-34.2320	368.5673	197.9393	

D-MY <u>19-07-79</u> <u>spod in deadfall</u>			Meas. Dist.	Vert. Angle	H. 30.5349	H.I. 1.146
			31.196	-11° 49'	V. -6.3883	H.P. -1.040
			ELEVATION	NORTHING	EASTING	
BLO7	175° 42'	BLO6	-34.2320	368.5673	197.9393	
STA.	177° 55'		-6.2823	30.3456	-3.3949	
BLO7	353° 37'	BLO8	-40.5143	398.9129	194.5444	

D-MY <u>19-07-79</u> <u>spod in deadfall</u>			Meas. Dist.	Vert. Angle	H. 20.5993	H.I. 0.940
			21.433	-16° 02'	V. -5.9197	H.P. -1.040
			ELEVATION	NORTHING	EASTING	
BLO8	173° 37'	BLO7	-40.5143	398.9129	194.5444	
STA.	175° 19'		-6.0197	20.2162	-3.9541	
BLO8	348° 56'	BLO9	-46.5340	419.1291	190.5903	

D-MY <u>19-07-79</u> <u>spod in deadfall</u>			Meas. Dist.	Vert. Angle	H. 38.6896	H.I. 1.289
			42.501	-24° 21'	V. -17.5911	H.P. -0.440
			ELEVATION	NORTHING	EASTING	
BLO9	168° 56'	BLO8	-46.5340	419.1291	190.5903	
STA.	188° 41'		-16.7421	38.6562	-1.6089	
BLO9	357° 37'	BLO10	-63.2761	457.7853	188.9814	

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE - GRID B Page 10

NON-TRANSLATED COORDINATES

D.M.Y. <u>19-07-79</u>			Meas. Dist.	Vert. Angle	H. 35.0621	H.I. 1.024
<u>spod in deadfall</u>			35.932	-12°38'	V. -7.8587	H.P. -0.440
			ELEVATION	NORTHING	EASTING	
BL10	177°37'	BL09	-63.2761	457.7853	188.9814	
STA.	173°51'		-7.2747	34.6739	-5.2027	
BL10	351°28'	BL11	-70.5508	492.4592	183.7787	

D.M.Y. <u>20-07-79</u>			Meas. Dist.	Vert. Angle	H. 19.1592	H.I. 0.854
<u>spod in deadfall</u>			19.803	-14°39'	V. -5.0085	H.P. -0.132
			ELEVATION	NORTHING	EASTING	
BL11	171°28'	BL10	-70.5508	492.4592	183.7787	
STA.	182°48'		-4.2865	19.0633	-1.9140	
BL11	354°16'	BL12	-74.8373	511.5225	181.8647	

D.M.Y. <u>20-07-79</u>			Meas. Dist.	Vert. Angle	H. 29.2739	H.I. 0.618
<u>spod in deadfall</u>			31.958	-23°39'	V. -12.8199	H.P. -0.132
			ELEVATION	NORTHING	EASTING	
BL12	174°16'	BL11	-74.8373	511.5225	181.8647	
STA.	181°55'		-12.3339	29.2090	-1.9486	
BL12	356°11'	BL13	-87.1712	540.7315	179.9161	

D.M.Y. <u>20-07-79</u>			Meas. Dist.	Vert. Angle	H. 37.3297	H.I. 0.607
<u>spod in deadfall</u>			38.770	-15°40'	V. -10.4695	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
BL13	176°11'	BL12	-87.1712	540.7315	179.9161	
STA.	173°54'		-9.8625	36.7719	-6.4288	
BL13	350°05'	BL14	-97.0337	577.5034	173.4873	

D.M.Y. <u>20-07-79</u>			Meas. Dist.	Vert. Angle	H. 37.3538	H.I. 0.874
<u>spod in deadfall</u>			37.414	-3°15'	V. -2.1211	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
BL14	170°05'	BL13	-97.0337	577.5034	173.4873	
STA.	171°30'		-1.2471	35.4407	-11.8010	
BL14	341°35'	BL15	-98.2808	612.9441	161.6863	

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet ALBION FRACTION (N. Clearing)

STA.	TP1	1710.5094	
B.S.	TP2	Page	7-TEEN
H.I.	1.293	D.M.-Y	27-07-79
Inst. Elev.	1712.2624		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WRT I	
356.3	0.0	2.365	2.220	2.070	29.50	29.50	0.0	-2.22	1709.98
321.3	0.0	2.405	2.355	2.300	10.50	10.50	0.0	-2.36	1709.84
336.0	0.0	2.325	2.285	2.245	8.00	8.00	0.0	-2.29	1709.91
270.6	0.0	2.280	2.255	2.235	4.50	4.50	0.0	-2.26	1709.94
159.0	0.0	0.800	0.755	0.710	9.00	9.00	0.0	-0.76	1711.44
136.3	0.0	0.635	0.595	0.560	7.50	7.50	0.0	-0.60	1711.60
199.5	0.0	3.005	2.965	2.935	7.00	7.00	0.0	-2.97	1709.23
215.5	0.0	3.225	3.175	3.125	10.00	10.00	0.0	-3.18	1709.02
200.0	0.0	3.460	3.385	3.315	14.50	14.50	0.0	-3.39	1708.81
190.6	0.0	3.045	2.980	2.915	13.00	13.00	0.0	-2.98	1709.22
196.5	0.0	3.525	3.465	3.405	12.00	12.00	0.0	-3.47	1708.73
202.5	0.0	3.585	3.515	3.450	13.50	13.50	0.0	-3.52	1708.68
194.3	0.0	3.265	3.190	3.120	14.50	14.50	0.0	-3.19	1709.01
198.5	0.0	3.450	3.375	3.300	15.00	15.00	0.0	-3.78	1708.42
241.0	0.0	1.155	1.090	1.020	13.50	13.50	0.0	-1.09	1711.11
214.0	0.0	1.505	1.435	1.365	14.00	14.00	0.0	-1.44	1710.76
204.0	0.0	1.705	1.580	--	25.00	25.00	0.0	-1.58	1710.62
195.6	0.0	3.435	3.230	3.035	40.00	40.00	0.0	-3.23	1708.97
195.6	-2.5	2.625	2.390	2.155	47.00	46.91	-2.05	-4.44	1707.76
191.6	-2.5	2.885	2.625	2.370	51.50	51.40	-2.24	-4.87	1707.33
187.5	-2.5	3.240	3.010	2.780	46.00	45.91	-2.00	-5.01	1707.19
180.5	-2.5	1.920	1.735	1.550	37.00	36.93	-1.61	-3.35	1708.85

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet ALBION RD / FRACTION RD JUNCTION

STA.	S013	1712.3621	
B.S.	S012	Page	9-TEEN
H.I.	1.601	D.M.Y	27-07-79
Inst. Elev.	1713.9631		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WRT I	
6.3	+10.0	3.430	3.280	3.130	30.00	29.10	5.13	1.85	1715.81
18.0	+5.0	1.905	1.810	1.710	19.50	19.35	3.39	1.58	1715.54
67.0	0.0	3.390	3.290	3.200	19.00	19.00	0.0	-3.29	1710.67
95.6	0.0	3.505	3.410	3.315	19.00	19.00	0.0	-3.41	1710.55
111.0	0.0	2.205	2.155	2.105	10.00	10.00	0.0	-2.16	1711.80
156.0	0.0	1.630	1.590	1.555	7.50	7.50	0.0	-1.59	1712.37
274.5	0.0	--	0.935	--	2.56	2.56	0.0	-0.94	1713.02
330.6	+5.0	1.540	1.475	1.415	12.50	12.41	2.17	0.70	1714.66
347.0	+10.0	2.820	2.680	2.545	27.50	26.67	4.70	2.02	1715.98
359.0	+10.0	3.115	2.995	2.875	24.00	23.28	4.28	1.28	1715.24
7.6	+10.0	3.320	3.195	3.070	25.00	24.24	4.28	1.08	1715.04
31.0	0.0	2.375	2.315	2.270	10.50	10.50	0.0	-2.32	1711.64
73.5	0.0	2.715	2.670	2.625	9.00	9.00	0.0	-2.67	1711.29
82.5	-10.0	0.660	0.510	0.360	30.00	29.09	-5.13	-5.64	1708.32
77.0	-6.5	3.360	^{3.043}	2.725	63.50	62.68	-7.14	-10.19	1703.77
74.0	-6.5	2.450	^{2.253}	2.055	39.50	38.99	-4.44	-6.70	1707.26
77.0	-6.5	2.175	2.055	1.940	23.50	23.20	-2.64	-4.70	1709.26

DISC TO →

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet BERLIN (DUMP)

STA.	SQ24	1629.7401	
B.S.	GP19	Page	TWENTY
H.I.	1.228	D·M·Y	28-07-79
Inst. Elev.	1630.9681		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM					
288.0	-5.5	3.210	2.945	2.680	53.00	52.51	-5.06	-8.00	1622.97
288.5	-5.5	3.655	3.405	3.160	49.50	49.05	-4.12	-8.13	1622.84
294.0	-5.5	2.710	2.455	2.210	50.00	49.54	-4.77	-7.23	1623.74
293.0	-5.5	2.375	2.110	1.850	52.50	52.02	-5.01	-7.12	1623.85
311.0	-5.0	1.020	0.830	0.640	38.00	37.71	-3.30	-4.13	1626.84
316.0	-5.0	0.760	0.565	0.370	39.00	38.70	-3.39	-3.95	1627.02
331.3	-5.0	1.635	1.430	1.335	30.00	29.77	-2.60	-4.08	1626.89
333.5	-2.5	--	2.505	2.340	33.00	32.94	-1.44	-3.94	1627.03
8.0	0.0	2.120	1.960	1.800	32.00	32.00	0.0	-1.96	1629.01
8.3	0.0	2.395	2.255	2.115	28.00	28.00	0.0	-2.26	1628.71
25.6	0.0	1.000	0.865	0.725	27.50	27.50	0.0	-0.87	1630.10
20.0	0.0	--	1.110	0.985	25.00	25.00	0.0	-1.11	1629.86
32.6	0.0	1.040	0.945	0.850	19.00	19.00	0.0	-0.95	1630.02
47.0	0.0	1.065	0.985	0.900	16.50	16.50	0.0	-0.99	1629.98
90.0	0.0	--	0.710	0.595	23.00	23.00	0.0	-0.71	1630.26
89.3	0.0	0.990	0.900	0.815	17.50	17.50	0.0	-0.90	1630.07
43.3	+2.5	1.615	1.490	1.365	25.00	24.95	2.18	0.69	1631.66
44.5	+5.0	1.630	1.485	1.330	30.00	29.77	2.60	1.12	1632.09
38.5	+5.0	--	2.045	1.885	32.00	31.76	2.78	0.73	1631.70
34.6	+5.0	2.915	2.780	2.640	27.50	27.29	2.39	-0.39	1630.53
13.5	+5.0	2.040	2.005	1.970	7.00	6.94	0.61	-1.40	1629.57
43.0	+5.0	1.830	1.790	1.750	15.00	14.88	1.30	-0.19	1629.00

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet BERLIN (DUMP)

STA.	S024	1629.7401	
B.S.	GP19	Page	2-ONE
H.I.	1.228	D.M.Y	23-07-79
Inst. Elev.	1630.9681		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WRT T	
17.6	0.0	2.910	2.830	2.750	16.00	16.00	0.0	-2.83	1628.14
21.5	0.0	2.940	2.840	2.740	20.00	20.00	0.0	-2.84	1628.13
7.0	0.0	3.600	3.475	3.350	25.00	25.00	0.0	-3.48	1627.49
7.5	0.0	1.875	1.780	1.690	18.50	18.50	0.0	-1.78	1629.19
347.3	0.0	3.315	3.235	3.160	15.50	15.50	0.0	-3.24	1627.73
338.5	-10.0	2.580	2.470	2.360	22.00	21.34	-3.76	-6.23	1624.74
309.5	-15.0	3.495	3.395	3.295	20.00	18.66	-5.00	-8.40	1622.57
322.0	-17.5	3.690	3.630	3.570	12.00	10.91	-3.44	-7.07	1623.90
303.0	-17.5	2.935	2.875	2.815	12.00	10.91	-3.44	-6.32	1624.65
291.5	-17.5	2.955	2.895	2.835	12.00	10.91	-3.44	-6.34	1624.63
287.0	-17.5	3.515	3.435	3.355	16.00	14.55	-4.59	-8.02	1622.95
291.3	-22.5	3.630	3.580	3.530	10.00	9.24	-3.54	-7.12	1623.85
267.0	-25.0	3.875	3.810	3.745	13.00	10.68	-4.98	-8.79	1622.18
259.0	-30.0	2.660	2.570	2.480	18.00	13.50	-7.79	-10.36	1620.61
213.6	-30.0	2.490	2.360	--	26.00	19.50	-12.99	-15.35	1615.62
175.6	-30.0	2.380	2.275	2.180	20.00	15.00	-8.66	-10.94	1620.03
150.3	-30.0	2.250	2.180	2.100	15.00	11.25	-6.50	-8.68	1622.29
107.0	-20.0	2.620	2.570	2.520	10.00	8.83	-3.21	-5.78	1625.19
59.0	-2.5	3.000	2.940	2.800	20.00	19.96	-0.87	-3.81	1627.16
314.0	-15.0	3.650	3.575	3.505	14.50	13.53	-3.63	-7.20	1623.77

DISCARD

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet ALICE L (SHAFT)

STA.	TP7	1656.5308	
B.S.	GP24	Page	2-THREE
H.I.	1.144	D.M.Y	29-07-79
Inst. Elev.	1657.7248		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WRT T.	
349.0	+25.0	2.031	1.999	1.976	5.50	4.52	2.11	0.11	1657.83
299.0	+30.0	0.614	0.584	0.555	5.90	4.43	2.55	1.97	1659.69
256.6	+30.0	0.695	0.668	0.643	5.20	3.90	2.25	1.58	1659.30
215.0	+30.0	2.101	2.054	2.020	8.10	6.08	3.51	1.45	1659.17
285.0	+30.0		1.5		22.84	17.13	9.89	8.39	1666.11
194.0	+20.0	1.870	1.830	1.790	8.00	7.06	2.57	0.74	1658.46
173.0	+20.0	2.603	2.555	2.517	8.60	7.59	2.76	0.21	1657.93
154.0	+20.0	2.962	2.926	2.893	6.90	6.09	2.22	-0.71	1657.01
182.6	+20.0	2.660	2.580	2.495	16.50	14.57	5.30	2.72	1660.44
166.0			see notes		27.75				
169.0	+20.0	2.074	2.053	2.036	3.80	3.36	1.22	-0.83	1656.89
123.0	0.0	1.416	1.399	1.383	3.30	3.30	0.0	-1.40	1656.32
94.5	0.0	2.571	2.526	2.472	9.90	9.90	0.0	-2.53	1655.19
76.5	-10.0	2.420	2.345	2.265	15.50	15.03	-5.30	-7.65	1650.07
68.0	-15.0	1.650	1.550	1.455	19.50	18.19	-4.88	-6.43	1651.29
81.3	-15.0	3.055	3.000	2.945	11.00	10.26	-2.75	-5.75	1651.97
78.5	-15.0	3.030	2.960	2.915	11.50	10.73	-2.88	-5.84	1651.89
66.0	-15.0	2.020	1.935	--	17.00	15.86	-3.97	-5.90	1651.82
72.0	-17.5	1.550	1.490	1.430	7.00	6.37	-2.01	-3.50	1654.22
72.5	-17.5	1.386	1.350	1.313	7.30	6.64	-2.09	-3.44	1654.28
83.0	0.0		1.000		1.89	1.89	0.0	-1.00	1656.72

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet BARUN/AUGEL (DDH Road)

STA.	GP31	1656.8204	
B.S.	GP30	Page	2-EIGHT
H.I.	1.444	D.M.Y	23-08-79
Inst. Elev.	1658.2644		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WRT I	
355.5	-10.0	3.830	3.730	3.630	20.0	19.40	-3.42	-7.15	1651.11
5.5	-10.0	3.680	3.570	3.460	22.0	21.34	-3.76	-7.33	1650.93
15.0	-10.0	2.820	2.760	2.700	12.0	11.64	-2.05	-4.81	1653.45
358.0	-10.0	2.445	2.395	2.345	10.0	9.70	-1.71	-4.11	1654.15
91.0	-10.0	1.099	1.033	1.017	8.2	7.95	-1.40	-2.44	1655.82
110.0	0.0	1.215	1.150	1.080	13.5	13.50	0.0	-1.15	1657.11
124.5	0.0	0.795	0.715	0.630	16.5	16.50	0.0	-0.72	1657.54
5.0	+10.0	2.950	2.860	2.770	18.0	17.46	3.08	0.22	1658.48
145.5	+10.0	1.705	1.625	1.545	16.0	15.52	2.74	1.11	1659.37
165.0	+10.0	1.060	0.980	0.900	16.0	15.52	2.74	1.76	1660.07
172.5	+10.0	0.505	0.440	0.380	12.5	12.12	2.14	1.70	1659.96
194.5	+10.0	0.405	0.355	0.305	10.0	9.70	1.71	1.36	1659.62
263.0	+10.0	1.650	1.640	1.625	2.5	2.42	0.43	-1.21	1657.05
244.5	+21.5	1.750	1.690	1.630	12.0	10.39	4.09	2.40	1660.66

Stadia: $HD = SD \cdot \cos^2 V$, $VD = (SD \cdot \sin 2V) / 2$

PRL CAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet BRUN/AUCEL (DCH Road)

STA.	TP8	1657.8575	
B.S.	GP31	Page	2-NINE
H.I.	1.525	D.M.Y	23-08-79
Inst. Elev.	1659.3825		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WRT I	
350.0	0.0	1.605	1.515	1.425	18.0	18.00	0.0	-1.52	1657.86
8.5	0.0	1.850	1.820	1.790	6.0	6.00	0.0	-1.82	1657.56
161.0	0.0	1.655	1.615	1.575	8.0	8.00	0.0	-1.62	1657.76
151.0	0.0	1.700	1.630	1.565	13.5	13.50	0.0	-1.63	1657.75
157.0	0.0	1.530	1.510	1.495	13.5	13.50	0.0	-1.51	1657.87
277.0	0.0	1.55	1.100	1.050	10.5	10.50	0.0	-1.10	1658.28
252.0	0.0	1.155	1.115	1.075	8.0	8.00	0.0	-1.12	1657.26
309.0	0.0	1.350	1.305	1.260	9.0	9.00	0.0	-1.31	1658.07
333.5	0.0	1.355	1.270	1.180	17.5	17.50	0.0	-1.27	1658.11
302.0	+10.0	1.905	1.850	1.800	10.5	10.18	1.80	-0.54	1659.84
319.0	+10.0	1.940	1.880	1.825	11.5	11.15	1.97	-0.87	1658.51
284.5	+20.0	3.825	3.725	3.620	20.5	18.10	6.59	2.86	1662.24
291.5	+11.5	0.800	0.685	0.560	24.0	23.05	4.69	4.00	1663.38
273.0	+17.0	2.950	2.775	2.605	34.5	31.55	9.65	6.87	1666.25
285.0	+17.0	3.145	2.970	2.800	34.5	31.55	9.65	6.68	1666.06
124.0	-17.0	2.640	2.600	2.560	8.0	7.31	-4.47	-7.07	1652.31

Stadia: $HD = SD \cdot \cos^2 V$, $VD = (SD \cdot \sin 2V) / 2$

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet ALBION FRACTION (N)

STA.	TP16	1706.8865	
B.S.	5015	Page	THIRTY
H.I.	(489)	D.M.Y	28-08-79
Inst. Elev.	1708.3755		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				INST I	
4.0	+5.0	2.640	2.595	2.545	9.50	9.43	0.82	-1.77	1706.61
59.0	+5.0	2.770	2.735	2.700	7.00	6.95	0.61	-2.13	1706.25
66.0	0.0	3.455	3.345	3.225	23.00	23.00	0.0	-3.35	1705.03
73.0	0.0	3.410	3.290	3.170	24.00	24.00	0.0	-3.29	1705.09
79.5	0.0	2.910	2.825	2.740	17.00	17.00	0.0	-2.83	1705.55
97.0	0.0	2.145	2.065	1.985	16.00	16.00	0.0	-2.07	1706.31
110.5	0.0	1.030	0.950	0.870	16.00	16.00	0.0	-0.95	1707.43
127.0	+5.0	1.505	1.420	1.335	17.00	16.87	1.48	-0.06	1708.32
143.0	+5.0	1.460	1.395	1.330	13.00	12.90	1.13	-0.27	1708.11
176.0	+5.0	0.400	0.335	0.275	12.50	12.41	2.17	1.84	1710.22
179.0	+5.0	0.820	0.785	0.730	9.00	8.93	0.78	0.00	1708.38
208.5	+5.0	0.295	0.225	0.155	14.00	13.89	1.22	0.99	1709.37
221.5	+5.0	0.195	0.140	0.085	11.00	10.92	0.96	0.82	1709.20
238.0	+5.0	1.100	1.070	1.045	5.50	5.46	0.48	-0.59	1707.79
304.0	+5.0	2.355	2.310	2.270	8.50	8.44	0.74	-1.57	1706.81
222.0	+5.0	1.326	1.310	1.293	3.30	3.27	0.29	-1.02	1707.36
96.0	+5.0	1.796	1.771	1.743	5.30	5.26	0.46	-1.31	1707.07
114.5	+5.0	2.102	2.064	2.023	7.90	7.84	0.69	-1.38	1707.00
125°39'	+5.0	1.874	1.852	1.831	4.30	4.27	0.37	-1.48	1706.90

Stadia: $HD = SD \cdot \cos^2 V$, $VD = (SD \cdot \sin 2V) / 2$

PR CAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet ALBION FRACTION (N)

STA.	TP2	1710.5229	
B.S.	5014	Page	3-ONE
H.I.	1.534	D·M·Y	28-08-79
Inst. Elev.	1712.0569		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WPT I	
1.0	0.0	2.020	2.005	1.935	8.50	8.50	0.0	-2.01	1710.05
7.5	0.0	1.935	1.860	1.790	14.50	14.50	0.0	-1.86	1710.20
17.0	0.0	1.300	1.180	1.060	24.00	24.00	0.0	-1.18	1710.88
21.0	0.0	1.640	1.505	1.365	27.50	27.50	0.0	-1.51	1710.55
30.0	0.0	0.725	0.600	0.480	24.50	24.50	0.0	-0.60	1711.46
31.0	0.0	1.200	1.130	1.055	14.50	14.50	0.0	-1.13	1710.93
13.5	0.0	1.664	1.640	1.615	4.90	4.90	0.0	-1.64	1710.42
306.5	0.0	2.134	2.102	2.070	6.40	6.40	0.0	-2.10	1709.96
309.0	0.0	2.775	2.729	2.682	9.30	9.30	0.0	-2.73	1709.33
298.0	0.0	2.775	2.685	2.590	18.50	18.50	0.0	-2.69	1709.37
320.0	0.0	3.115	3.050	2.985	13.00	13.00	0.0	-3.05	1709.01
341.5	0.0	3.535	3.450	3.360	17.50	17.50	0.0	-3.45	1708.61
348.0	0.0	3.695	3.550	3.420	27.50	27.50	0.0	-3.55	1708.51
348.0	0.0	3.695	3.545	3.395	30.00	30.00	0.0	-3.55	1708.51
310.5	0.0	2.825	2.740	2.655	17.00	17.00	0.0	-2.74	1709.32
313.0	0.0	3.150	3.070	2.990	16.00	16.00	0.0	-3.07	1708.99

Stadia: $HD = SD \cdot \cos^2 V$, $VD = (SD \cdot \sin 2V) / 2$

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet ALBION FRACTION (N)

STA.	TP11	1710.0769	
B.S.	TP2	Page	3-TWO
H.I.	1488	D.M.Y	28-08-79
Inst. Elev.	1711.5649		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WRT I	
359.0	0.0	2.135	2.020	1.900	23.70	23.70	0.0	-2.02	1709.54
22.0	0.0	1.475	1.375	1.270	20.50	20.50	0.0	-1.38	1710.18
22.5	0.0	1.190	1.115	--	15.00	15.00	0.0	-1.12	1710.44
21.5	0.0	1.450	1.390	1.330	12.00	12.00	0.0	-1.39	1710.17
30.0	0.0	1.450	1.420	1.390	6.00	6.00	0.0	-1.42	1710.14
164.0	0.0	0.870	0.835	0.800	7.00	7.00	0.0	-0.84	1710.72
186.0	+5.0	1.360	1.280	1.200	16.00	15.88	1.38	0.10	1711.66
210.5	+5.0	1.330	1.220	1.110	22.00	21.83	1.91	0.69	1712.25
234.5	+5.0	1.995	1.895	1.790	20.50	20.34	1.78	-0.12	1711.44
250.5	+5.0	1.370	1.280	1.190	18.00	17.86	1.56	0.28	1711.84
268.0	+5.0	2.070	1.985	1.910	16.00	15.88	1.39	-0.60	1710.96
278.0	+5.0	2.175	2.125	2.070	10.50	10.42	0.91	-1.21	1710.35
292.0	+5.0	1.615	1.595	1.580	3.50	3.47	0.30	-1.29	1710.27
359.5	+5.0	2.865	2.820	2.775	9.00	8.93	0.78	-2.04	1709.52
10.0	+5.0	3.475	3.385	3.290	18.50	18.36	1.61	-1.78	1709.78
15.5	+5.0	2.855	2.785	2.710	14.50	14.39	1.26	-1.53	1710.03
200.5	+5.0	1.445	1.410	1.370	7.50	7.44	0.65	-0.76	1710.80
248.0	+5.0	1.435	1.400	1.360	7.50	7.44	0.65	-0.75	1710.81
250.0	+5.0	1.735	1.680	1.625	11.00	10.92	0.96	-0.72	1710.84
230° 45'	+5.0	1.495	1.445	1.395	10.00	9.92	0.87	-0.59	1710.98

Stadia: $HD = SD \cdot \cos^2 V$ $VD = (SD \cdot \sin 2V) / 2$

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet ALBION (CENTRE)

STA.	TP14	1715.4991	
B.S.	5001	Page	3-THREE
H.I.	1.482	D.M.Y	29-08-79
Inst. Elev.	1716.2811		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WTGT	I
7.0	0.0	0.415	0.360	0.305	11.00	11.00	0.0	-0.36	1716.62
65.5	+20.0	2.890	2.750	2.670	22.00	19.43	6.43	3.68	1720.66
81.5	+20.0	3.805	3.690	3.570	23.50	20.75	7.55	3.86	1720.84
87.0	+15.0	2.390	2.265	2.140	25.00	23.33	6.25	3.99	1720.97
99.0	+15.0	2.445	2.320	2.190	25.50	23.79	6.38	4.06	1721.04
104.5	+15.0	1.870	1.755	1.640	23.00	21.46	5.75	4.00	1720.98
97.0	+15.0	1.380	1.285	1.190	19.00	17.73	4.75	3.47	1720.45
81.5	+15.0	1.660	1.625	1.590	7.00	6.53	1.75	0.13	1717.11
202.0	+15.0	3.660	3.645	3.610	5.00	4.67	1.25	-2.40	1714.58
225.5	-5.0	3.280	3.235	3.190	9.00	8.93	-0.78	-4.02	1712.98
217.0	-5.0	2.790	2.710	2.630	16.00	15.88	-1.39	-4.10	1712.88
224.5	-5.0	3.140	3.045	2.950	19.00	18.86	-1.65	-4.69	1712.29
225.5	-5.0	3.395	3.255	3.120	27.50	27.29	-2.39	-5.64	1711.34
235.5	-5.0	3.420	3.315	3.215	20.50	20.34	-1.78	-5.09	1711.89
242.5	-5.0	3.000	2.915	2.830	17.00	16.87	-1.48	-4.39	1712.59
248.5	-5.0	2.670	2.640	2.600	7.00	6.95	-0.61	-3.25	1713.73
35.0	-5.0	0.310	0.290	0.270	4.00	3.97	-0.35	-0.64	1716.34
268.0	-5.0	3.150	3.080	3.010	14.00	13.89	-1.22	-4.30	1712.68
300.5	-5.0	1.320	1.260	1.200	12.00	11.91	-1.04	-2.30	1714.68
326.5	-5.0	0.255	0.165	0.070	18.50	18.36	-1.61	-1.77	1715.21
324.0	-5.0	0.570	0.510	0.450	12.00	11.91	-1.04	-1.55	1715.43
311.5	-5.0	0.900	0.860	0.825	7.50	7.44	-0.65	-1.51	1715.41
335.5	-5.0	0.945	0.925	0.900	4.50	4.41	-0.39	-1.32	1715.66

Stadia: $HD = SD \cdot \cos^2 V$ $VD = (SD \cdot \sin 2V) / 2$

PI CAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet ALBION (SOUTH)

STA.	TP3	1696.1926	
B.S.	5007	Page	3-FOUR
H.I.	1.610	D.M.Y	29-08-79
Inst. Elev.	1697.8026		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WPT	I
130.0	+5.0	0.375	0.315	0.255	12.00	11.91	1.04	0.73	1698.53
174.5	+5.0	2.165	2.110	2.060	10.50	10.42	0.91	-1.20	1696.60
190.5	+5.0	2.875	2.810	2.740	13.50	13.40	1.17	-1.64	1696.16
200.0	+5.0	2.225	2.095	1.970	25.50	25.31	2.21	0.12	1697.92
219.0	0.0	1.435	1.320	1.200	23.50	23.50	0.0	-1.32	1696.48
237.0	0.0	2.350	2.285	2.220	13.00	13.00	0.0	-2.29	1695.51
238.0	0.0	2.350	2.285	2.225	12.50	12.50	0.0	-2.29	1695.51
258.0	0.0	2.590	2.545	2.490	10.00	10.00	0.0	-2.55	1695.25
308.5	0.0	2.465	2.430	2.395	7.00	7.00	0.0	-2.43	1695.37
347.0	0.0	3.370	3.325	3.265	10.50	10.50	0.0	-3.33	1694.47
185.0	0.0	1.460	1.425	1.385	7.50	7.50	0.0	-1.43	1696.37
223.0	0.0	1.695	1.660	1.630	6.50	6.50	0.0	-1.66	1696.14
223.5	0.0	1.500	1.450	1.400	10.00	10.00	0.0	-1.45	1696.35
211.5	0.0	1.565	1.520	1.480	8.50	8.50	0.0	-1.52	1696.28

Stadia: $HD = SD \cdot \cos^2 V$, $VD = (SD \cdot \sin 2V) / 2$

PR CAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet ALBION FRACTION (NORTH)

STA.	GP3AA	1710.1614	
B.S.	TP2	Page	3-FIVE
H.I.	1.545	D.M.Y	29-08-79
Inst. Elev.	1711.7064		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WPT I	
345.0	+5.0	2.620	2.565	2.510	11.00	10.92	0.96	-1.61	1710.10
286.5	+5.0	1.045	1.022	1.000	4.50	4.47	0.39	-0.63	1711.08
220.0	+5.0	1.488	1.469	1.450	3.80	3.77	0.33	-1.14	1710.57
190.0	+5.0	2.080	2.050	2.020	6.00	5.95	0.52	-1.53	1710.18
177.5	+5.0	2.115	2.060	2.010	10.50	10.42	0.91	-1.15	1710.56
30.0	+5.0	1.840	1.795	1.750	9.00	8.93	0.78	-1.01	1710.70
40.0	+5.0	0.825	0.760	0.690	13.50	13.40	1.17	0.41	1712.12
39.0	+10.0	2.020	1.930	1.840	18.00	17.46	3.08	1.15	1712.86
51.0	+10.0	1.645	1.555	1.465	18.00	17.46	3.08	1.52	1713.23
69.0	+10.0	1.985	1.930	1.870	11.50	11.15	1.97	0.04	1711.75
83.5	+10.0	1.915	1.855	1.785	13.00	12.61	2.22	0.37	1712.08
92.0	+10.0	1.875	1.780	1.690	18.50	17.94	3.16	1.78	1713.49
87.5	+10.0	1.705	1.600	1.495	21.00	20.37	3.59	1.99	1713.70
76.0	+12.5	2.770	2.645	2.520	25.00	23.83	5.28	2.64	1714.35
76.0	+10.0	4.010	3.850	3.700	31.00	30.07	5.30	1.45	1713.16
90.0	+10.0	3.800	3.650	3.500	30.00	29.10	5.13	1.48	1713.19
96.0	+10.0	3.430	3.275	3.125	30.50	29.58	5.22	1.94	1713.65

Stadia: $HD = SD \cdot \cos^2 V$, $VD = (SD \cdot \sin 2V) / 2$

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet BERLIN/Alice L

STA.	TP15	1648.311	
B.S.	GP36	Page	3-EIGHT
H.I.	1.239	D.M.Y	13-09-79
Inst. Elev.	1649.5501		

discard

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WRT I	
15	+5.0°	0.590	0.555	0.520	7.0	6.95	0.61	0.05	1649.60
168.0	+5.0	2.470	2.400	--	14.0	13.89	1.22	-1.18	1648.37
166.0	+5.0	3.530	3.480	3.430	10.0	9.92	0.87	-2.61	1646.94
161.0	-5.0	1.810	1.725	1.635	17.5	17.37	-1.52	-3.24	1646.31
163.0	-5.0	2.030	1.915	1.800	23.0	22.83	-2.00	-3.91	1645.64
171.0	-5.0	3.085	3.015	2.950	13.5	13.40	-1.17	-4.19	1645.36
194.5	-10.0	3.704	3.658	3.652	5.2	5.04	-0.89	-4.55	1645.00
271.5	-15.0	3.456	3.452	3.440	1.6	1.49	-0.40	-3.85	1645.70
272.0	-15.0	1.880	1.810	1.740	14.0	13.06	-3.50	-5.31	1644.24
266.0	-15.0	0.970	0.880	0.790	18.0	16.79	-4.50	-5.38	1644.17
260.0	-15.0	0.580	0.475	0.370	21.0	19.59	-5.25	-5.73	1643.82
244.5	-15.0	1.775	1.685	1.590	18.5	17.26	-4.63	-6.31	1643.24
241.0	-15.0	2.145	2.070	1.990	15.5	14.46	-3.88	-5.95	1643.60
220.0	-15.0	2.610	2.545	2.480	13.0	12.13	-3.25	-5.80	1643.75
193.5	-15.0	1.120	1.050	--	14.0	13.06	-3.50	-4.55	1645.00
174.0	-10.0	2.450	2.340	2.230	22.0	20.53	-5.50	-7.84	1641.71

discard

Stadia: $HD = SD \cdot \cos^2 V$, $VD = (SD \cdot \sin 2V) / 2$

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE - BERLIN RD Page 11

NON-TRANSLATED COORDINATES:

D-M-Y <u>20-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>34.5802</u>	H.I. <u>1.236</u>
<u>ground pin - removed</u>			<u>36.819</u>	<u>-20°05'</u>	V. <u>-12.6431</u>	H.P. <u>-1.040</u>
<u>north edge road</u>			ELEVATION		NORTHING	EASTING
BL15	<u>161°35'</u>	BL14	<u>-98.2808</u>		<u>612.9441</u>	<u>161.6863</u>
STA.	<u>207°23'</u>		<u>-12.4471</u>		<u>34.1576</u>	<u>5.3897</u>
BL15	<u>8°58'</u>	GP13	<u>-110.7279</u>		<u>647.1017</u>	<u>167.0760</u>

D-M-Y <u>20-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>9.4827</u>	H.I. <u>1.410</u>
<u>ground pin - removed</u>			<u>9.502</u>	<u>+3°39'</u>	V. <u>0.6049</u>	H.P. <u>0.0</u>
<u>north edge road</u>			ELEVATION		NORTHING	EASTING
GP13	<u>188°58'</u>	BL15	<u>-110.7279</u>		<u>647.1017</u>	<u>167.0760</u>
STA.	<u>113°41'</u>		<u>2.0149</u>		<u>5.1160</u>	<u>-7.9843</u>
GP13	<u>302°39'</u>	GP14	<u>-108.7130</u>		<u>652.2177</u>	<u>159.0917</u>

D-M-Y <u>20-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>35.9860</u>	H.I. <u>1.456</u>
<u>ground pin - removed</u>			<u>35.992</u>	<u>+1°03'</u>	V. <u>0.6596</u>	H.P. <u>0.0</u>
<u>at curve</u>			ELEVATION		NORTHING	EASTING
GP14	<u>122°39'</u>	GP13	<u>-108.7130</u>		<u>652.2177</u>	<u>159.0917</u>
STA.	<u>117°24'</u>		<u>2.1156</u>		<u>-17.9658</u>	<u>-31.1804</u>
GP14	<u>240°03'</u>	GP15	<u>-106.5974</u>		<u>634.2519</u>	<u>127.9113</u>

D-M-Y <u>20-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>43.6610</u>	H.I. <u>1.540</u>
<u>ground pin - removed</u>			<u>43.765</u>	<u>+3°57'</u>	V. <u>3.0148</u>	H.P. <u>-0.132</u>
<u>corner of road</u>			ELEVATION		NORTHING	EASTING
GP15	<u>60°03'</u>	GP14	<u>-106.5974</u>		<u>634.2519</u>	<u>127.9113</u>
STA.	<u>274°00'</u>		<u>4.4228</u>		<u>39.2590</u>	<u>-19.1055</u>
GP15	<u>334°03'</u>	GP16	<u>-102.1746</u>		<u>673.5109</u>	<u>108.8058</u>

D-M-Y <u>20-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>48.6226</u>	H.I. <u>1.229</u>
<u>ground pin - removed</u>			<u>48.642</u>	<u>+1°37'</u>	V. <u>1.3723</u>	H.P. <u>0.0</u>
<u>centre road</u>			ELEVATION		NORTHING	EASTING
GP16	<u>154°03'</u>	GP15	<u>-102.1746</u>		<u>673.5109</u>	<u>108.8058</u>
STA.	<u>45°10'</u>		<u>2.6013</u>		<u>-45.9134</u>	<u>-16.0037</u>
GP16	<u>199°13'</u>	GP17	<u>-99.5733</u>		<u>627.5975</u>	<u>92.8021</u>

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE - BERLIN TO Page 12

NON-TRANSLATED COORDINATES

D-MY <u>20-07-79</u>			Meas. Dist.	Vert. Angle	H. 28.3916	H.I. 1.418
<u>ground pin - corner SW edge road</u>			28.473	+4°20'	V. 2.1514	H.P. 0.0
			ELEVATION		NORTHING	EASTING
GP17	19°13'	GP16	-99.5733		627.5975	92.8021
STA.	190°13'		3.5694		-24.7270	-13.9519
GP17	209°26'	GP18	-96.0039		602.8705	78.8502

D-MY <u>20-07-79</u>			Meas. Dist.	Vert. Angle	H. 43.9321	H.I. 0.825
<u>REMOVED ground pin BERLIN clearing east edge road.</u>			44.071	+4°33'	V. 3.4961	H.P. -1.240
			ELEVATION		NORTHING	EASTING
GP18	29°26'	GP17	-96.0039		602.8705	78.8502
STA.	257°05'		3.0811		12.4896	-42.1193
GP18	286°31'	GP19	-92.9228		615.3601	36.7309

D-MY <u>20-07-79</u>			Meas. Dist.	Vert. Angle	H. 10.4284	H.I. 1.433
<u>ground pin BERLIN near adit</u>			10.431	+1°17'	V. 0.2336	H.P. -0.132
			ELEVATION		NORTHING	EASTING
GP19	106°31'	GP18	-92.9228		615.3601	36.7309
STA.	187°12'		1.5346		4.1944	-9.5477
GP19	293°43'	GP20	-91.3882		619.5545	27.1832

D-MY <u>20-07-79</u>			Meas. Dist.	Vert. Angle	H. 20.6097	H.I. 1.433
<u>ground pin BERLIN near adit junction road/muck</u>			20.652	+3°40'	V. 1.3207	H.P. -1.240
			ELEVATION		NORTHING	EASTING
GP19	106°31'	GP18	-92.9228		615.3601	36.7309
STA.	239°09'		1.5137		19.9682	-5.1022
GP19	345°40'	GP21	-91.4091		635.3283	31.6287

D-MY <u>20-07-79</u>			Meas. Dist.	Vert. Angle	H. 22.1430	H.I. 1.433
<u>spike on timber of ore bin</u>			22.329	+7°24'	V. 2.8759	H.P. 0.0
			ELEVATION		NORTHING	EASTING
GP19	106°31'	GP18	-92.9228		615.3601	36.7309
STA.	302°28'		4.3089		14.5320	16.7073
GP19	48°59'	S020	-88.6139		629.8921	53.4382

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet

SURFACE
(ALBION)

Page 13

NON-TRANSLATED COORDINATES

RESHOOT

Date: <u>21-07-79</u>			Horiz. Dist.	Vert. Angle	H. 45.4588	H.I. 1.561
<u>ground pin - removed</u>			46.109	-9°38'	V. -7.7160	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
S001	0°00'	NG	0.0000	0.0000	0.0000	
	52°09'		-6.1550	27.8934	35.8952	
S001	52°09'	GPIR	-6.1550	27.8934	35.8952	

Date: <u>21-07-79</u>			Horiz. Dist.	Vert. Angle	H. 12.8218	H.I. 1.515
<u>spad in lever of drum hoist</u>			13.895	+22°40'	V. 5.3547	H.P. 0.024
			ELEVATION	NORTHING	EASTING	
GPIR	232°09'	S001	-6.1550	27.8934	35.8952	
	112°24'		6.8457	12.3584	-3.4157	
GPIR	344°33'	S021	0.6907	40.2518	32.4795	

CHECK

Date: <u>21-07-79</u>			Horiz. Dist.	Vert. Angle	H. 10.4070	H.I. 1.515
<u>spad in rock</u>			10.446	-4°57'	V. -0.9013	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
GPIR	232°09'	S001	-6.1550	27.8934	35.8952	
	184°28'		0.6137	5.7263	8.6900	
GPIR	56°37'	S002	-5.5413	33.6197	44.5852	

CHECK

Date: <u>21-07-79</u>			Horiz. Dist.	Vert. Angle	H. 26.8269	H.I. 1.515
<u>spad in large tree stump</u>			26.902	-4°17'	V. -2.0093	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
GPIR	232°09'	S001	-6.1550	27.8934	35.8952	
	223°32'		-0.4943	-2.6567	26.6950	
GPIR	95°41'	S003	-6.6493	25.2367	62.5902	

CHECK

Date: <u>21-07-79</u>			Horiz. Dist.	Vert. Angle	H. 34.3977	H.I. 1.029
<u>spad in ore bin support</u>			35.336	-13°14'	V. -8.0890	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
S003	275°41'	GPIR	-6.6493	25.2367	62.5902	
	250°11'		-7.0600	-33.3565	8.3992	
S003	165°52'	S004	-13.7093	-8.1198	70.9894	

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE (ALBION) Page 14

NON-TRANSFORMED COORDINATES

D-M-Y <u>21-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>42.4349</u>	H.I. <u>0.588</u>
<u>spid via rock</u>			<u>44.145</u>	<u>+16°00'</u>	V. <u>12.1680</u>	H.P. <u>-1.438</u>
			ELEVATION	NORTHING	EASTING	
S021	<u>164°33'</u>	GP12	<u>0.6907</u>	<u>40.2518</u>	<u>32.4795</u>	
STA.	<u>173°14'</u>		<u>11.3180</u>	<u>39.2846</u>	<u>-16.0451</u>	
S021	<u>337°47'</u>	S022	<u>12.0087</u>	<u>79.5364</u>	<u>16.4344</u>	

CHECK

D-M-Y <u>21-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>38.4140</u>	H.I. <u>0.930</u>
<u>ground pin West edge road at corner</u>			<u>38.660</u>	<u>-6°28'</u>	V. <u>-4.3541</u>	H.P. <u>-1.240</u>
			ELEVATION	NORTHING	EASTING	
S004	<u>345°52'</u>	S003	<u>-13.7093</u>	<u>-8.1198</u>	<u>70.9894</u>	
STA.	<u>205°16'</u>		<u>-4.6641</u>	<u>-37.6911</u>	<u>-7.4175</u>	
S004	<u>191°08'</u>	GP2	<u>-18.3734</u>	<u>-45.8109</u>	<u>63.5719</u>	

CHECK

D-M-Y <u>27-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>43.3201</u>	H.I. <u>1.502</u>
<u>ground pin top sand dump</u>			<u>43.966</u>	<u>-9°50'</u>	V. <u>-7.5086</u>	H.P. <u>0.0</u>
			ELEVATION	NORTHING	EASTING	
GP2	<u>11°08'</u>	S004	<u>-18.3734</u>	<u>-45.8109</u>	<u>63.5719</u>	
STA.	<u>107°52'</u>		<u>-6.0066</u>	<u>-21.0020</u>	<u>37.8886</u>	
GP2	<u>119°00'</u>	GP3	<u>-24.3800</u>	<u>-66.8129</u>	<u>101.4605</u>	

CHECK

D-M-Y <u>21-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>21.9656</u>	H.I. <u>1.434</u>
<u>spid sunk in wood in stavepipe</u>			<u>22.663</u>	<u>-14°18'</u>	V. <u>-5.5990</u>	H.P. <u>-0.132</u>
			ELEVATION	NORTHING	EASTING	
GP3	<u>299°00'</u>	GP2	<u>-24.3800</u>	<u>-66.8129</u>	<u>101.4605</u>	
STA.	<u>246°58'</u>		<u>-4.2970</u>	<u>-21.8467</u>	<u>-2.2833</u>	
GP3	<u>185°58'</u>	S007	<u>-28.6770</u>	<u>-88.6596</u>	<u>99.1772</u>	

CHECK

D-M-Y <u>27-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>41.5710</u>	H.I. <u>1.175</u>
<u>spid via rock</u>			<u>41.571</u>	<u>00°01'</u>	V. <u>0.0121</u>	H.P. <u>-0.132</u>
			ELEVATION	NORTHING	EASTING	
S007	<u>5°58'</u>	GP3	<u>-28.6770</u>	<u>-88.6596</u>	<u>99.1772</u>	
STA.	<u>196°42'</u>		<u>1.0551</u>	<u>-38.3602</u>	<u>-16.0202</u>	
S007	<u>202°40'</u>	S006	<u>-27.6219</u>	<u>-127.0198</u>	<u>83.1570</u>	

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE

Page 15

NON-TRANSLATED COORDINATES

CHECK

<u>D.M.Y. 27-07-79</u>			Meas. Dist.	Vert. Angle	H. 26.1805	H.I. 1.382
<u>ALBION (South)</u>			26.777	-12°07'	V. -5.6206	H.P. 0.0
<u>spot in track tie</u>			ELEVATION	NORTHING	EASTING	
S006	22°40'	S007	-27.6219	-127.0198	83.1570	
STA.	50°48'		-4.2386	7.4503	25.0980	
S006	73°28'	S005	-31.8605	-119.5695	108.2550	

<u>D.M.Y. 27-07-79</u>			Meas. Dist.	Vert. Angle	H. 28.6440	H.I. 1.382
<u>ALBION (South)</u>			29.985	-17°12'	V. -8.8668	H.P. 0.0
<u>steel drilled in rock</u>			ELEVATION	NORTHING	EASTING	
S006	22°40'	S007	-27.6219	-127.0198	83.1570	
STA.	80°55'		-7.4848	-6.7273	27.8428	
S006	103°35'	S023	-35.1067	-133.7471	110.9998	

<u>D.M.Y. 26-07-79</u>			Meas. Dist.	Vert. Angle	H. 46.6675	H.I. 1.436
<u>ALBION FRACTION</u>			47.816	-12°35'	V. -10.4172	H.P. -0.132
<u>mark on float</u>			ELEVATION	NORTHING	EASTING	
S016	302°56'	S015	-17.4002	51.4009	369.6391	
STA.	214°46'		-9.1132	-43.1772	17.7083	
S016	157°42'	TP4	-26.5134	8.2237	387.3474	

<u>D.M.Y. 26-07-79</u>			Meas. Dist.	Vert. Angle	H. 6.1343	H.I. 1.436
<u>ALBION FRACTION</u>			6.450	-18°00'	V. -1.9932	H.P. 0.0
<u>non-existent</u>			ELEVATION	NORTHING	EASTING	
S016	302°56'	S015	-17.4002	51.4009	369.6391	
STA.	214°46'		-0.5572	-5.6755	2.3277	
S016	157°42'	TARE	-17.9574	45.7254	371.9668	
			1703.2472	4955.6227	5145.0782	

<u>D.M.Y. 26-07-79</u>			Meas. Dist.	Vert. Angle	H. 34.8842	H.I. 1.209
<u>ALBION FRACTION</u>			36.040	-14°33'	V. -9.0541	H.P. 0.0
<u>mark on float</u>			ELEVATION	NORTHING	EASTING	
TP4	337°42'	S016	-26.5134	8.2237	387.3474	
STA.	193°33'		-7.8451	-34.4782	5.3067	
TP4	171°15'	TP5	-34.3585	-26.2545	392.6541	

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE (BERLIN/AUCEL) Page 16

NON-TRANSLATED COORDINATES

LIMITED
USE

D-MY <u>28-07-79</u>			Meas. Dist.	Vert. Angle	H. 28.0780	H.I. 1.491
			28.078	-0°04'	V. -0.0327	H.P. 0.0
<u>spad in unstable stump</u>			ELEVATION	NORTHING	EASTING	
GP19	345°40'	GP21	-92.9228	615.3601	36.7309	
STA.	32°15'		1.4583	26.7163	8.6377	
GP19	17°55'	S024	-91.4645	642.0764	45.3686	

D-MY <u>28-07-79</u>			Meas. Dist.	Vert. Angle	H. 29.7141	H.I. 1.584
			31.264	+18°07'	V. 9.7216	H.P. -1.240
<u>ground pin</u>			ELEVATION	NORTHING	EASTING	
GP20	113°43'	GP19	-91.3882	619.5545	27.1832	
STA.	124°06'		10.0656	-15.8266	-25.1485	
GP20	237°49'	GP22	-81.3226	603.7279	2.0347	

D-MY <u>28-07-79</u>			Meas. Dist.	Vert. Angle	H. 11.5113	H.I. 1.587
			11.514	-1°15'	V. -0.2512	H.P. -0.132
<u>spad in piece unstable timber</u>			ELEVATION	NORTHING	EASTING	
GP22	57°49'	GP20	-81.3226	603.7279	2.0347	
STA.	157°05'		1.2038	-9.4410	-6.5861	
GP22	214°54'	TP6	-80.1188	594.2869	-4.5514	

D-MY <u>29-07-79</u>			Meas. Dist.	Vert. Angle	H. 21.5813	H.I. 1.444
			23.822	+25°03'	V. 10.0864	H.P. 0.0
<u>spad in deadfall</u>			ELEVATION	NORTHING	EASTING	
TP6	34°54'	GP22	-80.1188	594.2869	-4.5514	
STA.	144°36'		11.5304	-21.5804	0.1883	
TP6	179°30'	GP23	-68.5884	572.7065	-4.3631	

D-MY <u>29-07-79</u>			Meas. Dist.	Vert. Angle	H. 33.2506	H.I. 0.736
			33.767	+10°02'	V. 5.8829	H.P. -0.024
<u>spad in unstable/old stump</u>			ELEVATION	NORTHING	EASTING	
GP23	359°30'	TP6	-68.5884	572.7065	-4.3631	
STA.	143°06'		6.5949	-26.4148	20.1956	
GP23	142°36'	GP24	-41.9935	546.2917	15.8325	

LIMITED
USE

LIMITED
USE

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURENCE Page 17

NON-TRANSLATED COORDINATES

D-MY <u>29-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>18.6875</u>	H.I. <u>0.803</u>
<u>ALICE L. raise</u>			<u>18.816</u>	<u>-6°42'</u>	V. <u>-2.1953</u>	H.P. <u>-1.239</u>
<u>spod in dr vein</u>			ELEVATION		NORTHING	EASTING
GP24	<u>322°36'</u>	GP23	<u>-61.9935</u>	<u>546.2917</u>	<u>15.8325</u>	
STA.	<u>200°28'</u>		<u>-2.6303</u>	<u>-17.8773</u>	<u>5.4429</u>	
GP24	<u>163°04'</u>	TP7	<u>-64.6238</u>	<u>528.4144</u>	<u>21.2754</u>	

D-MY <u>29-07-79</u>			Meas. Dist.	Vert. Angle	H. <u>22.7919</u>	H.I. <u>0.803</u>
<u>ALICE L. raise</u>			<u>24.745</u>	<u>-22°55'</u>	V. <u>-9.6355</u>	H.P. <u>0.0</u>
<u>spod in runway - unstable</u>			ELEVATION		NORTHING	EASTING
GP24	<u>322°36'</u>	GP23	<u>-61.9935</u>	<u>546.2917</u>	<u>15.8325</u>	
STA.	<u>126°18'</u>		<u>-8.8325</u>	<u>0.4375</u>	<u>22.7877</u>	
GP24	<u>88°54'</u>	GP25	<u>-70.8260</u>	<u>546.7292</u>	<u>38.6202</u>	

D-MY _____			Meas. Dist.	Vert. Angle	H.	H.I.
_____					V.	H.P.
			ELEVATION		NORTHING	EASTING
STA.						

D-MY _____			Meas. Dist.	Vert. Angle	H.	H.I.
_____					V.	H.P.
			ELEVATION		NORTHING	EASTING
STA.						

D-MY _____			Meas. Dist.	Vert. Angle	H.	H.I.
_____					V.	H.P.
			ELEVATION		NORTHING	EASTING
STA.						

OF NO FURTHER USE

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE Page 17A

D.M.Y. <u>12-08-79</u>			Meas. Dist.	Vert. Angle	H. <u>47.4763</u>	H.I. <u>1.557</u>
<u>ALBION FRACTION (South)</u>			<u>48.735</u>	<u>-13°03'</u>	V. <u>-11.0044</u>	H.P. <u>0.0</u>
<u>Ground pin-removed</u>			ELEVATION	NORTHING	EASTING	
<u>SO16</u>	<u>302°56'</u>	<u>SO15</u>	<u>1703.8044</u>	<u>4961.2982</u>	<u>5142.7505</u>	
<u>STA.</u>	<u>216°01'</u>		<u>-9.4474</u>	<u>-44.3081</u>	<u>17.0527</u>	
<u>SO16</u>	<u>158°57'</u>	<u>GP24A</u>	<u>1694.3570</u>	<u>4916.9901</u>	<u>5159.8032</u>	

D.M.Y. <u>12-08-79</u>			Meas. Dist.	Vert. Angle	H. <u>35.0273</u>	H.I. <u>1.584</u>
<u>ALBION FRACTION (South)</u>			<u>36.364</u>	<u>-15°35'</u>	V. <u>-9.7688</u>	H.P. <u>0.0</u>
<u>Stand in rock</u>			ELEVATION	NORTHING	EASTING	
<u>GP24A</u>	<u>338°57'</u>	<u>SO16</u>	<u>1694.3570</u>	<u>4916.9901</u>	<u>5159.8032</u>	
<u>STA.</u>	<u>188°59'</u>		<u>-8.1848</u>	<u>-34.2534</u>	<u>7.3224</u>	
<u>GP24A</u>	<u>167°56'</u>	<u>SO26A</u>	<u>1686.1722</u>	<u>4882.7367</u>	<u>5167.1256</u>	

D.M.Y. <u>12-08-79</u>			Meas. Dist.	Vert. Angle	H. <u>36.7925</u>	H.I. <u>1.305</u>
<u>ALBION FRACTION (South)</u>			<u>28.932</u>	<u>-19°05'</u>	V. <u>-12.7285</u>	H.P. <u>0.0</u>
<u>Ground pin</u>			ELEVATION	NORTHING	EASTING	
<u>SO26</u>	<u>347°56'</u>	<u>GP24A</u>	<u>1686.1722</u>	<u>4882.7367</u>	<u>5167.1256</u>	
<u>STA.</u>	<u>188°13'</u>		<u>-11.4235</u>	<u>-36.7130</u>	<u>2.4170</u>	
<u>SO26</u>	<u>176°14'</u>	<u>GP25A</u>	<u>1674.7487</u>	<u>4846.0237</u>	<u>5169.5426</u>	

D.M.Y. _____			Meas. Dist.	Vert. Angle	H. _____	H.I. _____
_____					V. _____	H.P. _____
			ELEVATION	NORTHING	EASTING	
STA.						

D.M.Y. _____			Meas. Dist.	Vert. Angle	H. _____	H.I. _____
_____					V. _____	H.P. _____
			ELEVATION	NORTHING	EASTING	
STA.						

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet PEP/111/1/1/1/1 Page 18

<u>D-MY 23-08-79</u>			Meas. Dist.	Vert. Angle	H. 39.6141	H.I. 1.120
<u>Ground pin - removed</u>			39.836	+4°03'	V. 4.1986	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
S024	146° 29' ^{Calc}	S020	1629.7401	5551.9737	4818.4300	
STA.	96° 13'		5.3186	-18.1690	-35.2018	
S024	242° 42'	GP27	1635.0587	5533.8047	4783.2782	

<u>D-MY 23-08-79</u>			Meas. Dist.	Vert. Angle	H. 22.9556	H.I. 1.490
<u>Ground pin - removed</u>			23.133	+7°06'	V. 2.8593	H.P. -0.132
			ELEVATION	NORTHING	EASTING	
GP27	62° 42'	S024	1635.0587	5533.8047	4783.2782	
STA.	133° 00'		4.2173	-22.0992	-6.2118	
GP27	195° 42'	GP23	1639.2760	5511.7055	4777.0664	

<u>D-MY 23-08-79</u>			Meas. Dist.	Vert. Angle	H. 32.8275	H.I. 1.517
<u>Ground pin - removed</u>			33.112	+7°31'	V. 4.3315	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
GP28	15° 42'	GP27	1639.2760	5511.7055	4777.0664	
STA.	116° 02'		5.8485	-21.8521	24.4975	
GP28	131° 44'	GP29	1645.1245	5489.8534	4801.5639	

<u>D-MY 23-08-79</u>			Meas. Dist.	Vert. Angle	H. 33.4068	H.I. 1.278
<u>Ground pin - removed</u>			33.483	+3°52'	V. 2.2579	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
GP29	311° 44'	GP28	1645.1245	5489.8534	4801.5639	
STA.	204° 12'		3.5359	-30.5028	13.6233	
GP29	155° 56'	GP30	1648.6604	5459.3506	4815.1872	

<u>D-MY 23-08-79</u>			Meas. Dist.	Vert. Angle	H. 12.0681	H.I. 1.278
<u>Spod in fallen timber</u>			12.106	-4°32'	V. -0.9568	H.P. -0.132
			ELEVATION	NORTHING	EASTING	
GP29	311° 44'	GP28	1645.1245	5489.8534	4801.5639	
STA.	175° 38'		0.1892	-7.3243	9.5914	
GP29	127° 22'	S026	1645.3137	5482.5291	4811.1553	

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet BERLIN / ALICE L Page 19

D-MY <u>23-08-79</u>			Meas. Dist.	Vert. Angle	H. <u>39.8214</u>	H.I. <u>1.278</u>
<u>spad in butt of fallen timber</u>			<u>39.987</u>	<u>+5°13'</u>	V. <u>3.6357</u>	H.P. <u>0.0</u>
			ELEVATION	NORTHING	EASTING	
GP27	<u>311°44'</u>	GP28	<u>1645.1245</u>	<u>5489.8534</u>	<u>4801.5639</u>	
STA.	<u>201°00'</u>		<u>4.9137</u>	<u>-35.3966</u>	<u>18.2435</u>	
GP29	<u>152°44'</u>	5027	<u>1650.0382</u>	<u>5454.4568</u>	<u>4819.8074</u>	

D-MY <u>23-08-79</u>			Meas. Dist.	Vert. Angle	H. <u>29.4845</u>	H.I. <u>1.503</u>
<u>Ground pin - removed</u>			<u>30.256</u>	<u>+12°58'</u>	V. <u>6.7890</u>	H.P. <u>-0.132</u>
			ELEVATION	NORTHING	EASTING	
GP30	<u>335°56'</u>	GP29	<u>1648.6604</u>	<u>5459.3506</u>	<u>4815.1872</u>	
STA.	<u>206°39'</u>		<u>8.1600</u>	<u>-29.4545</u>	<u>-1.3289</u>	
GP30	<u>182°35'</u>	GP31	<u>1656.8204</u>	<u>5429.8961</u>	<u>4813.8583</u>	

D-MY <u>23-08-79</u>			Meas. Dist.	Vert. Angle	H. <u>36.2454</u>	H.I. <u>1.444</u>
<u>Ground pin - removed</u>			<u>36.255</u>	<u>+1°19'</u>	V. <u>0.8331</u>	H.P. <u>-1.240</u>
			ELEVATION	NORTHING	EASTING	
GP31	<u>2°35'</u>	GP30	<u>1656.8204</u>	<u>5429.8961</u>	<u>4813.8583</u>	
STA.	<u>99°20'</u>		<u>1.0371</u>	<u>-7.4843</u>	<u>35.4643</u>	
GP31	<u>101°55'</u>	TP8	<u>1657.8575</u>	<u>5422.4118</u>	<u>4849.3226</u>	

D-MY _____			Meas. Dist.	Vert. Angle	H.	H.I.
_____					V.	H.P.
			ELEVATION	NORTHING	EASTING	
STA.						

D-MY _____			Meas. Dist.	Vert. Angle	H.	H.I.
_____					V.	H.P.
			ELEVATION	NORTHING	EASTING	
STA.						

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet BERLIN/Alice L Page 20

D-MY <u>27-08-79</u>			Meas. Dist.	Vert. Angle	H. 19.7098	H.I. 1.083
<u>Ground pin - removed</u>			20.139	+11° 51'	V. 4.1355	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
S027	342° 52' ^{Calc}	S026	1650.0382	5454.4568	4819.8074	
STA.	211° 14'		5.2185	-19.1160	-4.8016	
S027	194° 06'	GP32	1655.2567	5435.3408	4815.0058	

D-MY <u>27-08-79</u>			Meas. Dist.	Vert. Angle	H. 32.9040	H.I. 1.482
<u>Spod in sloop</u>			32.994	+4° 14'	V. 2.4356	H.P. -0.640
<u>-d no further use</u>			ELEVATION	NORTHING	EASTING	
GP32	14° 06'	S027	1655.2567	5435.3408	4815.0058	
STA.	107° 46'		3.2776	-17.3715	27.9447	
GP32	121° 52'	TP9	1658.5343	5417.9693	4842.9505	

D-MY <u>27-08-79</u>			Meas. Dist.	Vert. Angle	H. 7.8306	H.I. 0.950
<u>Ground pin</u>			7.949	+9° 54'	V. 1.3667	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
TP9	301° 52'	GP32	1658.5343	5417.9693	4842.9505	
STA.	259° 13'		2.3167	-7.3064	-2.8169	
TP9	201° 05'	GP33	1660.8510	5410.6629	4840.1336	

D-MY <u>27-08-79</u>			Meas. Dist.	Vert. Angle	H. 24.4096	H.I. 0.950
<u>Ground pin</u>			25.207	+14° 27'	V. 6.2900	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
TP9	301° 52'	GP32	1658.5343	5417.9693	4842.9505	
STA.	255° 24'		7.2400	-23.3095	-7.2452	
TP9	197° 16'	GP34	1665.7743	5394.6598	4835.7053	

D-MY <u>27-08-79</u>			Meas. Dist.	Vert. Angle	H. 12.9149	H.I. 0.950
<u>DDH GMP-5 collar</u>			12.961	-4° 50'	V. -1.0921	H.P. 0.0
			ELEVATION	NORTHING	EASTING	
TP9	301° 52'	GP32	1658.5343	5417.9693	4842.9505	
STA.	138° 29'		-0.1421	2.1649	12.7322	
TP9	80° 21'	C5	1658.3922	5420.1342	4855.6827	

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE

Page 21

D.M.Y. <u>28-08-79</u>			Meas. Dist.	Vert. Angle	H. 11.0400	H.I. 1.260
<u>ALBION FRACTION (N)</u>			11.062	-3°37'	V. -0.6978	H.P. 0.0
ground pin - removed			ELEVATION	NORTHING	EASTING	
SO15	122°56'	SO16	1706.3243	4974.1514	5122.9079	
STA.	158°22'		0.5622	2.1632	-10.8260	
SO15	281°18'	TP10	1706.8865	4976.3146	5112.0819	

D.M.Y. <u>28-08-79</u>			Meas. Dist.	Vert. Angle	H. 35.7893	H.I. 1.534
<u>ALBION FRACTION (N)</u>			35.844	-3°10'	V. -1.9800	H.P. 0.0
ground pin - removed			ELEVATION	NORTHING	EASTING	
TP2	161°22'	SO14	1710.5229	5040.3427	5114.3424	
STA.	296°23'		-0.4460	-4.8262	35.4624	
TP2	97°45'	TP11	1710.0769	5035.5165	5149.8048	

D.M.Y. <u>28-08-79</u>			Meas. Dist.	Vert. Angle	H. 40.9659	H.I. 1.666
<u>ALBION FRACTION (N)</u>			41.016	-2°50'	V. -2.0275	H.P. 0.0
ground pin - removed			ELEVATION	NORTHING	EASTING	
TP2	161°22'	SO14	1710.5229	5040.3427	5114.3424	
STA.	202°11'		-0.3615	40.8873	2.5366	
TP2	3°33'	GP34	1710.1614	5081.2300	5116.8790	

D.M.Y. <u>29-08-79</u>			Meas. Dist.	Vert. Angle	H. 23.6026	H.I. 1.219
<u>ALBION (South)</u>			23.729	+5°55'	V. 2.4460	H.P. 0.0
ground pin - removed			ELEVATION	NORTHING	EASTING	
SO07	202°40'	SO06	1692.5276	4821.2377	4872.2886	
STA.	153°50'		3.6650	23.5586	-1.4409	
SO07	356°30'	TP13	1696.1926	4844.7963	4870.8477	

D.M.Y. <u>29-08-79</u>			Meas. Dist.	Vert. Angle	H. 31.7899	H.I. 1.517
<u>ALBION (Centre)</u>			32.600	-12°48'	V. -7.2225	H.P. 0.0
ground pin - removed			ELEVATION	NORTHING	EASTING	
SO01	0°00'	NG	1721.2046	4909.8973	4773.1114	
STA.	56°41'		-5.7055	17.4611	26.5651	
SO01	56°41'	TP14	1715.4991	4927.3584	4799.6765	

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Calculation Sheet SURFACE BETUN/AUCHEL Page 22

D.M.Y. <u>06-09-79</u>			Meas. Dist.	Vert. Angle	H. <u>16.0053</u>	H.I. <u>1.444</u>
<u>BETUN/AUCHEL</u>			<u>16.520</u>	<u>-14°20'</u>	V. <u>-4.0897</u>	H.P. <u>0.0</u>
<u>TDH GMP-6 Collar</u>			ELEVATION	NORTHING	EASTING	
GP33	<u>195°28'</u> ^{Calc}	GP34	<u>1660.8510</u>	<u>5410.6629</u>	<u>4840.1336</u>	
STA.	<u>274°25'</u>		<u>-2.6457</u>	<u>8.0311</u>	<u>13.8451</u>	
GP33	<u>59°53'</u>	C6	<u>1658.2053</u>	<u>5418.6940</u>	<u>4853.9787</u>	

D.M.Y. <u>13-09-79</u>			Meas. Dist.	Vert. Angle	H. <u>10.6847</u>	H.I. <u>1.386</u>
<u>BETUN/AUCHEL</u>			<u>11.579</u>	<u>-22°40'</u>	V. <u>-4.4622</u>	H.P. <u>0.0</u>
<u>ground pin - reward</u>			ELEVATION	NORTHING	EASTING	
GP33	<u>195°28'</u>	GP34	<u>1660.8510</u>	<u>5410.6629</u>	<u>4840.1336</u>	
STA.	<u>175°06'</u>		<u>-3.0762</u>	<u>10.5035</u>	<u>1.9593</u>	
GP33	<u>10°34'</u>	GP35	<u>1657.7748</u>	<u>5421.1664</u>	<u>4842.0929</u>	

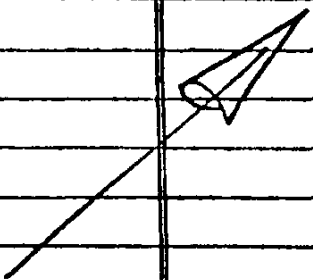
D.M.Y. <u>13-09-79</u>			Meas. Dist.	Vert. Angle	H. <u>20.7426</u>	H.I. <u>1.461</u>
<u>BETUN/AUCHEL</u>			<u>20.824</u>	<u>-5°04'</u>	V. <u>-1.8391</u>	H.P. <u>0.0</u>
<u>ground pin</u>			ELEVATION	NORTHING	EASTING	
GP35	<u>190°34'</u>	GP33	<u>1657.7748</u>	<u>5421.1664</u>	<u>4842.0929</u>	
STA.	<u>99°37'</u>		<u>-0.3781</u>	<u>7.1567</u>	<u>-19.4689</u>	
GP35	<u>290°11'</u>	GP36	<u>1657.3967</u>	<u>5428.3231</u>	<u>4822.6240</u>	

D.M.Y. <u>13-09-79</u>			Meas. Dist.	Vert. Angle	H. <u>35.1162</u>	H.I. <u>1.283</u>
<u>BETUN/AUCHEL</u>			<u>36.615</u>	<u>-16°27'</u>	V. <u>-10.3686</u>	H.P. <u>0.0</u>
<u>ground pin</u>			ELEVATION	NORTHING	EASTING	
GP36	<u>110°11'</u>	GP35	<u>1657.3967</u>	<u>5428.3231</u>	<u>4822.6240</u>	
STA.	<u>237°19'</u>		<u>-9.0856</u>	<u>34.2839</u>	<u>-7.6005</u>	
GP36	<u>347°30'</u>	TP15	<u>1648.3111</u>	<u>5462.6070</u>	<u>4815.0235</u>	

D.M.Y. <u>13-09-79</u>			Meas. Dist.	Vert. Angle	H. <u>10.9570</u>	H.I. <u>1.239</u>
<u>BETUN/AUCHEL</u>			<u>13.290</u>	<u>-26°56'</u>	V. <u>-5.5668</u>	H.P. <u>0.0</u>
<u>TDH GMP-6 Collar</u>			ELEVATION	NORTHING	EASTING	
TP15	<u>167°30'</u>	GP36	<u>1648.3111</u>	<u>5462.6070</u>	<u>4815.0235</u>	
STA.	<u>253°40'</u>		<u>-4.3273</u>	<u>5.2841</u>	<u>9.5986</u>	
TP15	<u>61°10'</u>	C7	<u>1643.9833</u>	<u>5467.8911</u>	<u>4824.6221</u>	

Survey Station Summary KP

STATION	ELEVATION	NORTHING	EASTING	Surv'd Date	Reference	Surveyor	Checked
KP	-1.2046	90.1027	226.8886	17-07-76	SCS-3	J.P.	JDC
	CALIBRATED	FIXED COORDINATES		ESTABLISHED			
	AVERAGE	WRT APPROXIMATE					
	ELEVATION	NORTH 8001 → NG					
KP	1720.0000	5000.0000	5000.0000	03-08-79			



PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Station Summary GP-SERIES

STATION	ELEVATION	NORTHING	EASTING	Surv'd Date	Reference	Surveyor	Checked
GP 1	1715.2202	4937.2682	4809.5440	16-07-79	SCS-1	JD	JDC
1R	1715.0496	4937.7907	4809.0066	21-07-79	✓ -13	✓	✓
2	1702.8312	4864.0864	4836.6833	27-07-79	✓ -14	✓	✓
3	1696.8246	4843.0844	4874.5719	✓	✓ -14	✓	✓
4	1715.4299	4959.0501	4858.6954	17-07-79	✓ -2	✓	✓
5	1715.1857	4965.5951	4896.0041	✓	✓ -3	✓	✓
6	1716.7584	5000.2600	4987.9226	✓	✓ -3	✓	✓
7	1718.3508	5049.3959	4982.4835	✓	✓ -4	✓	✓
8	1717.1780	5097.9501	4988.5743	✓	✓ -4	✓	✓
9	1716.9463	5107.3326	4988.0251	✓	✓ -4	✓	✓
10	1712.1536	5122.3983	5051.7071	✓	✓ -5	✓	✓
11	1712.5153	5099.7549	5074.5889	18-07-79	✓ -5	✓	✓
12	1713.2168	5087.4697	5096.1709	✓	✓ -5	✓	✓
13	1610.4767	5556.9990	4940.1874	20-07-79	✓ -11	✓	✓
14	1612.4916	5562.1150	4932.2031	✓	✓ -11	✓	✓
15	1614.6072	5544.1492	4901.0227	✓	✓ -11	✓	✓
16	1619.0300	5583.4082	4881.9172	✓	✓ -11	✓	✓
17	1621.6313	5537.4948	4865.9135	✓	✓ -11	✓	✓
18	1625.2007	5512.7678	4851.9616	✓	✓ -12	✓	✓
19	1628.2818	5525.2574	4809.8423	✓	✓ -12	✓	✓
20	1629.8164	5529.4518	4800.2946	✓	✓ -12	✓	✓
21	1629.7955	5545.2256	4804.7401	✓	✓ -12	✓	✓
GP 22	1639.8820	5513.6252	4775.1461	23-07-79	✓ -16	✓	✓

PRECAMBRIAN SHIELD RESOURCES LTD.

Survey Station Summary S - SERIES

STATION	ELEVATION	NORTHING	EASTING	Surv'd Date	Reference	Surveyor	Checked
S 001	1721.2046	4909.8973	4773.1114	16-07-79	SCS-1	JD.	JDC
002	1715.6633	4943.5170	4817.6966	21-07-79	✓ -13	✓	✓
003	1714.5553	4935.1340	4835.7016	✓	✓ -13	✓	✓
004	1707.4953	4901.7775	4844.1008	✓	✓ -13	✓	✓
005	1689.3441	4790.3278	4881.3664	✓	✓ -15	✓	✓
006	1693.5827	4782.8775	4856.2684	✓	✓ -14	✓	✓
007	1692.5276	4821.2377	4872.2886	✓	✓ -14	✓	✓
008	1720.1439	4964.9151	4921.9718	17-07-79	✓ -3	✓	✓
009	1719.4266	4975.7807	4958.7321	✓	✓ -3	✓	✓
010	1717.5225	5135.0121	4997.2557	✓	✓ -4	✓	✓
012	1715.8514	5157.3514	5007.8472	✓	✓ -4	✓	✓
013	1712.8621	5156.8753	5037.0725	✓	✓ -5	✓	✓
014	1708.0230	5004.7782	5126.3342	18-07-79	✓ -6	✓	✓
015	1706.3243	4974.1514	5122.9079	✓	✓ -6	✓	✓
016	1703.8044	4961.2982	5142.7505	✓	✓ -6	✓	✓
017	1705.9509	4969.2998	5134.4453	✓	✓ -6	✓	✓
018	1706.5073	4965.9534	5157.2933	✓	✓ -7	✓	✓
019	1701.6594	4948.1935	5165.4944	✓	✓ -7	✓	✓
020	1632.5907	5539.7894	4826.5496	20-07-79	✓ -12	✓	✓
021	1721.8953	4950.1491	4805.5909	21-07-79	✓ -12	✓	✓
022	1733.2133	4989.4337	4789.5458	✓	✓ -14	✓	✓
023	1686.0979	4776.1502	4884.1112	27-07-79	✓ -15	✓	✓
024	1629.7401	5551.9737	4813.4800	28-07-79	✓ -16	✓	✓

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet ALBION (North)

STA.	S022	1733.2133	
B.S.	S021	Page	ONE
H.I.	1.674	D.M.Y	21-07-79
Inst. Elev.	1734.8873		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WRT I	
260.6	+5.0	2.235	2.150	2.065	17.0	16.87	1.48	-0.67	1734.22
230.5	+5.0	2.455	2.350	2.225	23.0	22.83	2.00	-0.35	1734.54
212.0	+5.0	1.360	1.235	1.110	25.0	24.81	2.17	+0.94	1735.83
213.3	+5.0	2.540	---	2.170	37.0	36.72	3.21	+0.86	1735.75
208.0	+5.0	2.000	1.775	1.550	45.0	44.66	3.91	+2.13	1735.02
199.3	+5.0	0.490	0.230	--	52.0	51.61	4.51	+4.28	1735.7
195.0	+7.5	2.805	2.520	2.240	56.5	55.54	7.31	+4.79	1735.68
193.5	+7.5	1.895	1.685	1.475	42.0	41.28	5.44	+3.75	1738.64
193.5	+7.5	3.080	2.785	2.490	59.0	57.99	7.64	+4.85	1739.74
193.5	+7.5	2.070	1.885	1.700	37.0	36.37	4.79	+2.90	1737.79
191.0	+10.0	1.840	1.700	1.560	28.0	27.16	4.79	+3.09	1737.98
190.0	+15.0	1.930	1.850	1.770	16.0	14.93	4.00	+2.15	1737.04
200.0	+15.0	3.510	3.435	3.360	15.0	14.00	3.75	+0.32	1735.21
196.6	+5.0	0.965	0.925	0.885	8.0	7.94	0.69	-0.23	1734.66
94.6	+5.0	0.800	0.770	0.740	6.0	5.95	0.52	-0.25	1734.64
42.3	-7.5	2.800	2.710	2.620	18.0	17.69	2.33	-5.04	1729.85
23.6	-7.5	2.800	2.715	2.630	17.0	16.71	2.20	-4.91	1729.98
12.0	-10.0	3.770	3.655	3.530	24.0	23.28	4.10	-7.76	1727.13
320.0	-10.0	1.650	1.575	1.490	16.0	15.52	2.74	-4.31	1730.58
354.3	-10.0	2.905	2.840	2.775	13.0	12.60	2.22	-5.06	1729.83
341.3	-10.0	2.190	2.155	2.125	6.5	6.30	1.11	-3.27	1731.62
208.6	+10.0	2.230	2.180	2.140	9.0	8.72	1.51	-0.11	1731.55

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet ALBION (CENTRE)

STA.	GPIR	1715.0496	
B.S.	S001	Page	FOUR
H.I.	1.600	D.M.Y	21-07-79
Inst. Elev.	1716.6496		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				W/RT I	
7.6	+7.5	1.290	1.175	1.065	22.5	22.12	2.91	1.74	1718.39
344.6	+7.5	3.210	3.125	3.040	17.0	16.71	2.20	-0.93	1715.72
313.5	0.0	3.700	3.595	3.485	21.5	21.50	0.00	-3.60	1713.05
289.0	0.0	--	3.925	3.830	19.0	19.00	0.00	-3.93	1712.72
275.0	-5.0	1.790	1.715	1.640	15.0	14.89	-2.60	-4.32	1712.33
245.5	0.0	2.357	2.277	2.296	6.1	6.10	0.00	-2.33	1714.32
191.3	0.0	0.833	0.802	0.771	6.2	6.20	0.00	-0.80	1715.85
191.0	0.0	1.294	1.232	1.169	12.5	12.50	0.00	-1.23	1715.42
179.0	0.0	0.628	0.560	0.493	13.5	13.50	0.00	-0.56	1716.09
161.0	+5.0	0.265	0.217	0.168	9.7	9.63	1.68	1.47	1718.12
143.5	0.0	0.626	0.601	0.576	5.0	5.00	0.00	-0.60	1716.05
59.0	0.0	0.624	0.589	0.554	7.0	7.00	0.00	-0.59	1716.06
19.5	0.0	0.759	0.712	0.664	9.5	9.50	0.00	-0.71	1715.94
358.0	0.0	1.108	1.057	1.006	10.2	10.20	0.00	-1.06	1715.59
325.0	0.0	2.708	2.650	2.592	11.6	11.60	0.00	-2.65	1714.00
324.6	0.0	3.608	3.558	3.507	10.1	10.10	0.00	-3.56	1713.09
348.0	0.0	3.399	3.561	3.322	7.7	7.70	0.00	-3.56	1713.09
10.6	0.0	3.500	3.473	3.446	5.5	5.50	0.00	-3.47	1713.18
335.6	0.0	3.786	3.759	3.731	5.5	5.50	0.00	-3.76	1712.89
313.0	0.0	3.650	3.601	3.565	8.5	8.50	0.00	-3.60	1713.05
312.0	0.0	2.737	2.705	2.673	6.4	6.40	0.00	-2.71	1713.94
30.0	0.0	2.354	2.338	2.322	3.2	3.20	0.00	-2.34	1714.31

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet ALBION (CENTRE)

STA.	S003	1714.5553	
B.S.	GPIR	Page	FIVE
H.I.	1094	D.M.Y	21-07-79
Inst. Elev.	1715.6493		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WRT I	
26° 18'	+1° 46'	1.655	1.594	1.533	12.2	12.19	0.38	-1.22	1714.43
49° 36'	+5° 30'	1.150	1.055	0.955	19.5	19.32	1.86	0.81	1716.46
358.5	-5.0	2.225	2.140	2.055	17.0	16.87	-1.48	-3.62	1712.03
0.3	-5.0	2.600	2.520	--	16.0	15.88	-1.39	-3.91	1711.74
339.6	-2.5	3.385	3.315	3.240	14.5	14.47	-0.63	-3.95	1711.70
339.0	-2.5	3.315	3.245	3.180	13.5	13.47	-0.59	-3.83	1712.27
17.3	-2.5	1.375	1.340	1.300	7.5	7.49	-0.66	-1.99	1713.66
291.0	-2.5	3.505	3.455	3.405	10.0	9.98	-0.44	-3.89	1711.76
305.6	-2.5	3.925	3.725	3.525	40.0	39.52	-1.72	-5.47	1710.13
302.3	-2.5	--	3.840	3.640	20.0	19.96	-0.87	-4.71	1710.94
286.0	-2.5	3.860	3.760	3.660	20.0	19.96	-0.87	-4.63	1711.02
284.3	-2.5	3.700	3.610	3.520	18.0	17.97	-0.78	-4.39	1711.26
288.3	-5.0	3.610	3.520	3.430	18.0	17.86	-1.56	-5.08	1710.57
277.6	-5.0	3.360	3.280	3.205	15.5	15.38	-1.35	-4.63	1711.02
248.0	-10.0	2.945	2.860	2.775	17.0	16.49	-2.91	-5.77	1709.89
234.0	-10.0	2.875	2.800	2.725	15.0	14.55	-2.57	-5.37	1710.23
231.0	-10.0	2.545	2.490	2.435	11.0	10.67	-1.88	-4.37	1711.28
223.5	-10.0	2.420	2.385	2.345	7.5	7.27	-1.28	-3.67	1711.98
203.0	-10.0	2.255	2.210	2.165	9.0	8.73	-1.54	-3.75	1711.90
167.0	0.0	2.850	2.805	2.755	9.5	9.50	0.0	-2.81	1712.84
158.5	0.0	1.500	1.470	1.440	6.0	6.00	0.0	-1.47	1714.13
237.6	0.0		1.675		2.13	2.13	0.0	-1.68	1713.57

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet ALBION (CENTRAL)

STA.	S004	1707.4953	
B.S.	S003	Page	EIGHT
H.I.	L019	D.M.Y	25-07-79
Inst. Elev.	1708.5143		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WTGT	I
36.0	+7.5	2.000	1.880	1.765	23.50	23.10	3.04	1.16	1709.67
45.0	+7.5	1.975	1.860	1.740	23.50	23.10	3.04	1.18	1709.69
44.5	+7.5	3.840	3.615	3.395	44.50	43.74	5.76	2.14	1710.65
47.5	+5°50'	--	2.155	1.940	43.00	42.56	4.35	2.19	1710.70
42.0	+7.5	3.630	3.400	3.170	46.00	45.22	5.95	2.55	1711.06
28.0	+7.5	0.995	0.850	0.710	28.50	28.01	3.67	2.84	1711.35
46.6	+7.5	1.840	1.720	1.600	24.00	23.59	3.11	1.39	1709.90
74.5	+7.5	3.130	3.045	2.960	17.00	16.71	4.40	1.35	1709.86
154.0	+7.5	2.235	2.170	2.105	13.00	12.78	1.68	-0.49	1708.07
157.0	-2.5	2.440	2.320	2.200	24.00	23.95	-1.05	-3.37	1705.14
189.0	-2.5	1.365	1.255	1.150	21.50	21.46	-0.94	-2.19	1706.32
201.5	-2.5	--	3.990	3.810	36.00	35.93	-1.57	-5.56	1702.95
206.3	-2.5	--	4.000	3.815	37.00	36.93	-1.61	-5.61	1702.90
208.5	-5°42'	1.550	1.365	1.170	38.00	37.63	-3.76	-5.12	1703.39
222.3	-2.5	3.380	3.245	3.115	26.50	26.45	-1.15	-4.40	1704.11
217.0	-2.5	2.810	2.700	2.650	16.00	15.97	-0.70	-3.40	1705.11
201.6	-2.5	1.980	1.915	1.850	13.00	12.98	-0.57	-2.48	1706.03
183.0	-2.5	2.095	2.030	1.960	13.50	13.47	-0.59	-2.62	1705.89
230.6	-2.5	1.515	1.435	1.355	16.00	15.97	-0.70	-2.13	1706.33
231.0	-2.5	4.050	3.885	3.760	29.00	28.94	-1.26	-5.15	1703.36
56.0	0.0	0.672	0.625	0.580	9.20	9.20	0.0	-0.63	1707.83
34.6	0.0	0.868	0.825	0.785	8.30	8.30	0.0	-0.63	1707.83

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet ALBION (SOUTH)

STA.	S007	1697.5276	
B.S.	GP3	Page	NINE
H.I.	1.247	D.M.Y	25-07-79
Inst. Elev.	1698.7696		

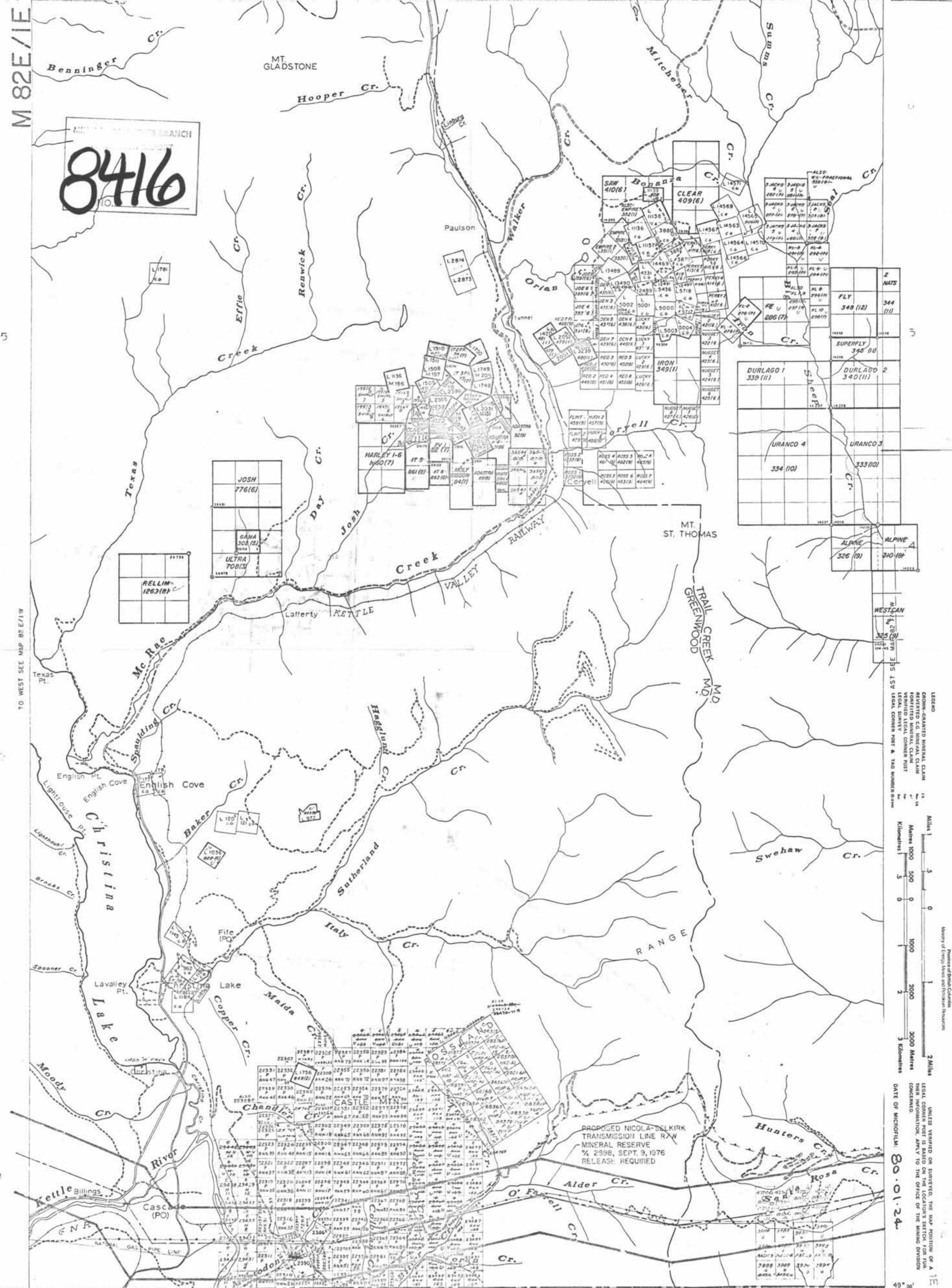
H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WRT I.	
354.0	+10.0	1.790	1.685	1.575	21.50	20.85	3.68	1.99	1700.76
344.6	+10.0	2.100	1.920	1.730	37.00	35.88	6.33	4.41	1703.18
1.3	+10.0	2.910	2.750	2.600	31.00	30.07	5.30	2.55	1701.32
32.0	+3.0	3.700	3.565	3.435	26.50	26.43	1.39	-2.18	1695.59
64.0	-2.5	3.940	3.800	3.655	28.50	28.45	-1.24	-5.04	1693.73
94.0	-6°20'	3.840	3.710	3.565	27.50	27.17	-3.02	-6.73	1692.04
121.0	-7.5	1.945	1.840	1.740	20.50	20.15	-2.65	-4.49	1694.28
132.0	-7.5	2.280	2.165	2.050	22.00	22.61	-2.98	-5.14	1693.63
138.0	-9.5	4.000	3.740	3.490	51.00	49.61	-8.30	-12.04	1686.73
130.3	-9°35'	--	3.890	3.650	48.00	46.67	-7.88	-11.77	1687.00
142.0	-9.0	3.505	3.300	3.100	40.50	39.51	-6.26	-9.56	1689.21
148.0	-7.5	1.530	1.370	1.180	38.00	37.35	-4.97	-6.29	1692.48
154.5	-2.5	3.210	3.035	2.860	35.00	34.93	-1.53	-4.65	1694.12
172.0	-2.5	3.265	3.130	3.000	26.50	26.45	-1.15	-4.28	1694.49
217.0	-2.5	3.515	3.470	3.425	9.00	8.98	-0.39	-3.86	1694.91
203.5	-2.5	2.495	2.425	2.355	14.00	13.97	-0.61	-3.04	1695.73
186.6	-2.5	3.215	3.165	3.115	10.00	9.98	-0.44	-3.60	1695.17
191.6	-2.5	3.190	3.115	3.040	15.00	14.97	-0.65	-3.77	1695.00
196.5	-2.5	2.855	2.810	2.770	8.50	8.48	-0.37	-3.18	1695.59
258.3	-2.5	1.875	1.825	1.770	10.50	10.48	-0.46	-2.28	1696.49
287.6	-2.5	1.115	1.550	1.000	11.50	11.48	-0.50	-2.05	1696.72
298.0	2.0	0.370	0.250	0.130	24.00	24.00	0.0	-0.25	1698.52

PRECAMBRIAN SHIELD RESOURCES LTD.

Radial Survey Detail Sheet ALBION FAULT (CENTRE)

STA.	5016	1703.8044	
B.S.	5015	Page	3-TEEN
H.I.	1.436	D.M.Y	26-07-79
Inst. Elev.	1705.2404		

H°	V°	STADIA READINGS			SLOPE/TAPE DIST.	HORIZ. DIST.	VERT. DIST.	ELEVATION	
		TOP	MIDDLE	BOTTOM				WRT I	
210.5	0.0	2.155	2.135	2.105	5.00	5.00	0.0	-2.135	1703.11
292.6	0.0	1.410	1.330	1.255	15.50	15.50	0.0	-1.330	1703.91
37.0	0.0	1.075	0.985	0.900	17.50	17.50	0.0	-0.985	1704.25
310.3	0.0	1.455	1.310	1.165	14.50	14.50	0.0	-1.310	1703.93
325.3	0.0	1.195	1.040	0.885	31.00	31.00	0.0	-1.040	1704.20
347.5	+7°11'	2.730	2.500	2.270	46.00	45.28	5.71	3.21	1708.45
347.3	-7°11'	2.590	2.445	2.305	28.50	28.05	3.54	1.09	1706.33
15	+7.5	2.685	2.501	2.330	35.50	34.90	4.59	2.09	1707.33
7.0	+8°23'	3.655	3.490	3.330	32.50	31.81	5.12	1.63	1706.87
2.0	+7.5	2.490	2.365	2.240	25.00	24.57	3.24	0.87	1706.11
15	+7.5	1.995	1.920	1.845	15.00	14.74	3.88	1.96	1707.20
42.5	+7.5	1.435	1.385	1.335	10.00	9.83	1.29	-0.09	1705.15
55.5	+7.5	2.470	2.415	2.360	11.00	10.81	1.42	-0.99	1704.25
71.0	+7.5	2.320	2.260	2.200	12.00	11.80	1.55	-0.71	1704.53
56.0	+7.5	2.555	2.785	2.710	14.50	14.25	1.88	-0.91	1704.33
64.5	+7.5	2.670	2.595	2.515	15.50	15.24	2.01	-0.59	1704.65
66.3	+7.5	2.530	2.480	2.410	14.00	13.76	1.81	-0.67	1704.57
57.0	+7.5	2.790	2.725	2.660	13.00	12.78	1.68	-1.04	1704.20
45.0	+6.0	1.660	1.540	1.420	24.00	23.74	2.49	0.95	1706.19
45.0	+6.0	1.790	1.660	1.530	26.00	25.72	2.70	1.04	1706.28
45.0	+6.0	--	1.680	1.540	28.00	27.69	2.91	1.23	1706.47
82.6	0.0	1.660	1.615	1.565	9.50	9.50	0.00	-1.615	1703.47



8416

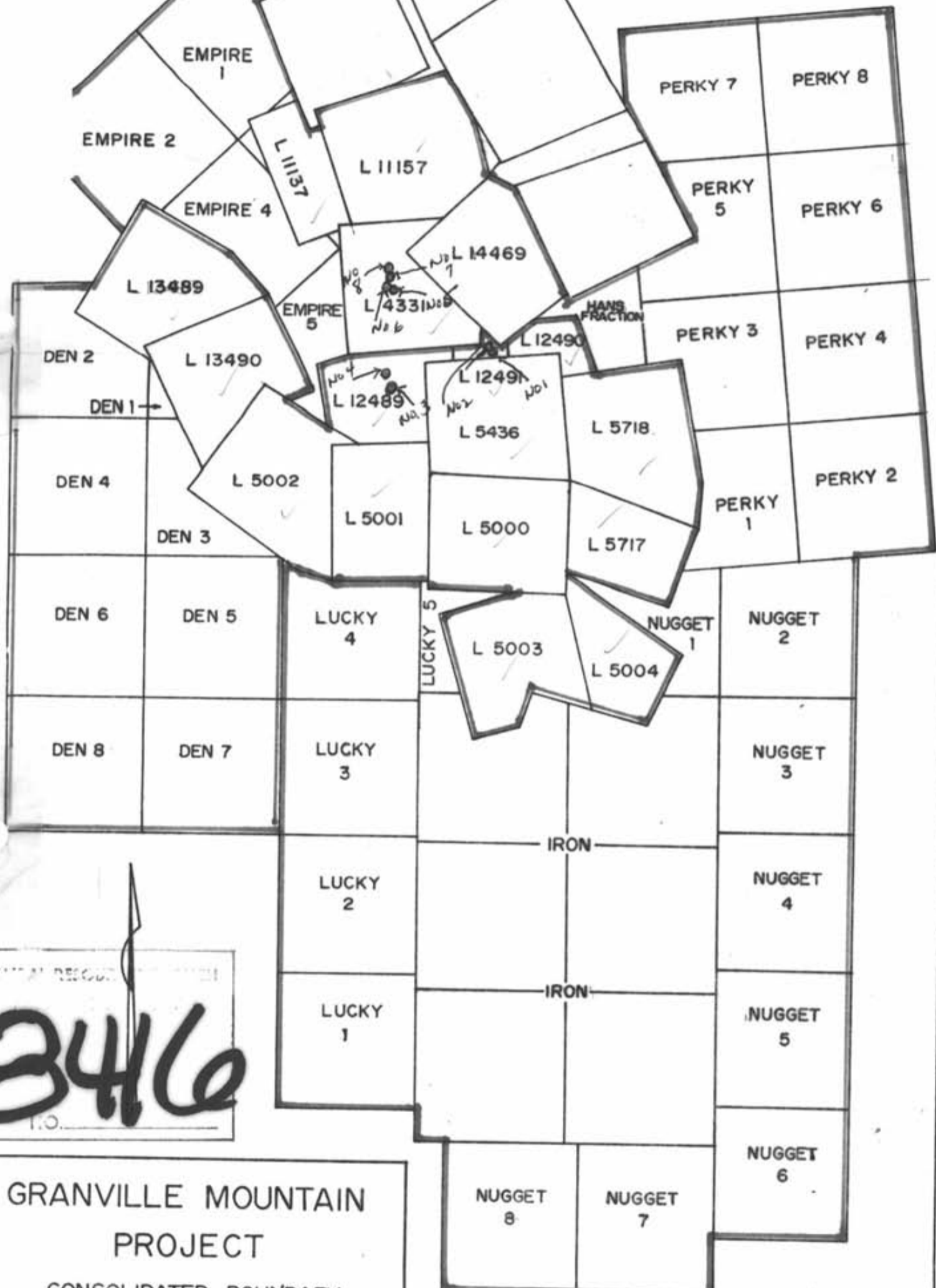
PROPOSED NICOLA-SELKIRK TRANSMISSION LINE R/W MINERAL RESERVE 1/4 2898, SEPT. 9, 1976 RELEASE REQUIRED

LEGEND
CROWN-GRANTED MINERAL CLAIM
REVERTED C.C. MINERAL CLAIM
FORFEITED MINERAL CLAIM
UNRECORDED LEGAL OWNER POST
LEGAL OWNER POST
LEGAL OWNER POST A, TAG NUMBER DRAWN

Miles 0 1 2
Kilometers 0 1 2 3

UNLESS VERIFIED OR CORRECTED, THE MAP PORTION OF A LEGAL CLAIM OR INTEREST IN A CLAIM IS NOT TO BE CONSIDERED AS A BASIS FOR THE LOCATION OF THE CLAIM OR INTEREST THEREIN. DATE OF MICROFILM: 80-01-24

TO WEST SEE MAP 82 E/1 W



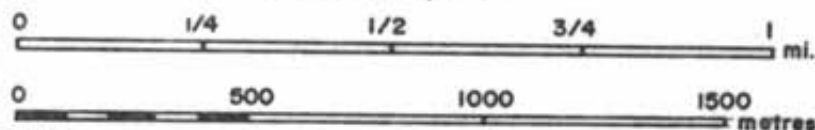
8416
 I.O.

GRANVILLE MOUNTAIN PROJECT

CONSOLIDATED BOUNDARY
 EXPLORATION LIMITED (N.P.L.)
 &
 PRECAMBRIAN SHIELD
 RESOURCES LIMITED

● APPROXIMATE LOCATION OF DRILL HOLES

Scale 1:15,840



08/79

DW