

**PROGRESS REPORT ON EXPLORATION OF THE  
SNOW PROPERTY**

**ALBERNI MINING DIVISION,  
SPROAT LAKE AREA, BRITISH COLUMBIA**

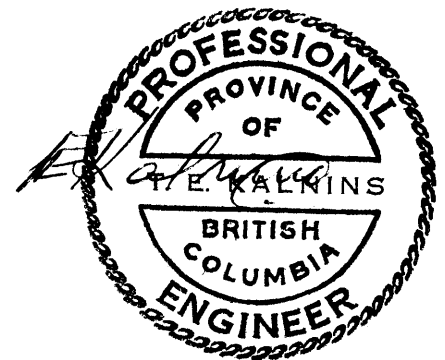
**LOCATION:  
N.T.S.: 92F 06W  
LATITUDE: 49° 19'N  
LONGITUDE: 125° 25'W**

**CLAIMS:  
SNOW 1, SNOW 2, WHITE 1, WHITE 2,  
SNOW 3, SNOW 4, SNOW 5, SNOW 6, 7D #1**

**FOR:  
SNOWFIELD RESOURCES LTD.  
604 - 675 WEST HASTINGS STREET  
VANCOUVER, BRITISH COLUMBIA, V6B 1N2**

**PREPARED BY:  
Talis E. Kalnins, P.Eng. and  
Peter A. Christopher Ph.D., P.Eng.**

**PETER CHRISTOPHER & ASSOCIATES INC.  
3707 West 34th Avenue  
Vancouver, B.C., V6N 2K9**



**JULY 25, 1996**

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## SUMMARY

The Snow property, consisting of nine claims totaling 129 metric units is situated west of Sproat Lake, Vancouver Island, British Columbia. The property has excellent road access with logging roads extending to the center of the Snow and White claims. The property was optioned by Snowfield Resources Ltd. in 1987 to explore a high grade gold prospect exposed in a logging road cut.

This report presents an update of exploration progress on the Snow property since the previous report (Christopher, 1992). Examinations of the Snow property have been conducted by P.A. Christopher on August 21, 1987, November 27, 1987 and June 15, 1992, and by T. Kalnins on July 6, 1996.

Samples collected by T. Kalnins during the July 6, 1996 examination contained between 0.011 oz Au/ton and 1.295 oz Au/ton in the Main Showing and Lower Road Showing areas, and anomalous values of gold (0.019 oz Au/t), copper (769 ppm) and lead (200 ppm) in quartz veins about 5 km northwesterly of the Main Showing.

High grade assays of up to 5.654 oz Au/ton across 10 cm widths (Christopher, 1992) and averages from 0.410 oz Au/ton (Kalnins, 1996) to 0.76 oz Au/ton (Christopher, 1987) across 3 meters at the Main Showing continue to provide encouragement for locating a high grade precious metal deposit.

A success contingent two-stage core drilling program is recommended. A Stage 1, 1000 meters drilling program is estimated to cost \$215,000, and a Stage 2, 2000 meters drilling program is estimated to cost \$310,000.

## INTRODUCTION

The Snow property, consisting of the Snow 1, Snow 2, Snow 3, Snow 4, Snow 5, Snow 6, White 1, White 2 and 7D #1 mineral claims totaling 129 metric units or about 3,225 hectares is situated between the Taylor and Kennedy Rivers west of Sproat Lake on Vancouver Island, British Columbia. The property was located in 1986 to cover a high grade gold showing exposed by recent logging road cut. In 1987, Snowfield Resources Ltd. obtained an option to earn a 51% interest in the Snow 1, Snow 2, White 1, and White 2 claims with that option amended on October 15, 1989, to allow Snowfield to earn a 100% interest in the claims. On January 15, 1990, Snowfield obtained a further option to earn a 100% interest in the adjoining Snow 3, Snow 4, Snow 5, Snow 6 and 7D #1 mineral claims.

In 1996 Peter Christopher and Associates Inc. was retained by management of Snowfield Resources Ltd. to examine the property. T. Kalnins examined the property on July 6, 1996, and sampled extensions of known showings and new showings exposed along logging roads and located during prospecting.

This report is based on examinations of the Snow property by P.A. Christopher on August 2, 1987, November 27, 1987, and June 15, 1992, and T. Kalnins on July 6, 1996, check samples collected by the writers, a review of the exploration program conducted by J.C. Stephen Exploration Ltd. (Sayer and Stephen, 1987) and Snowfield Resources Ltd. (Sayer, 1987a: 1987b), and on the results of exploration conducted by Guinet Management from May 29, 1992 to June 4, 1992 and from June 11, 1992 to June 13, 1992. Exploration results and sampling by the writers provide justification for further work and a staged exploration program for further development of the property is presented.

## LOCATION AND ACCESS (Figures 1 & 2)

The Snow property is situated between the Taylor and Kennedy Rivers west of Sproat Lake, Vancouver Island, British Columbia about 45 kilometers west of the town of Port Alberni (Figures 1 & 2). The claims are in NTS map sheet 92F-6W at geographic coordinates 49° 19'N latitude and 125° 25'W longitude. The Snow property covers the height of land between the Kennedy and Taylor Rivers and extends north across the Taylor River.

Access to the property from Nanaimo is via Highway 19 and Highway 4 to Port Alberni and then 50 km west on Highway 4 from Port Alberni. The MacMillan Bloedel's Sutton Creek logging road on the south side of the Taylor River provides two-wheel drive access to the main showing and the center of the property. MacMillan Bloedel has recently completed road extensions in the central part of the property.

Elevations in the claim area range from 150 meters in the Taylor River Valley to approximately 910 meters in the central portion of the claim area. Elevations rise abruptly from the river level resulting in some precipitous terrain. The property has commercial stands of hemlock and cedar which are presently being logged by MacMillan Bloedel.

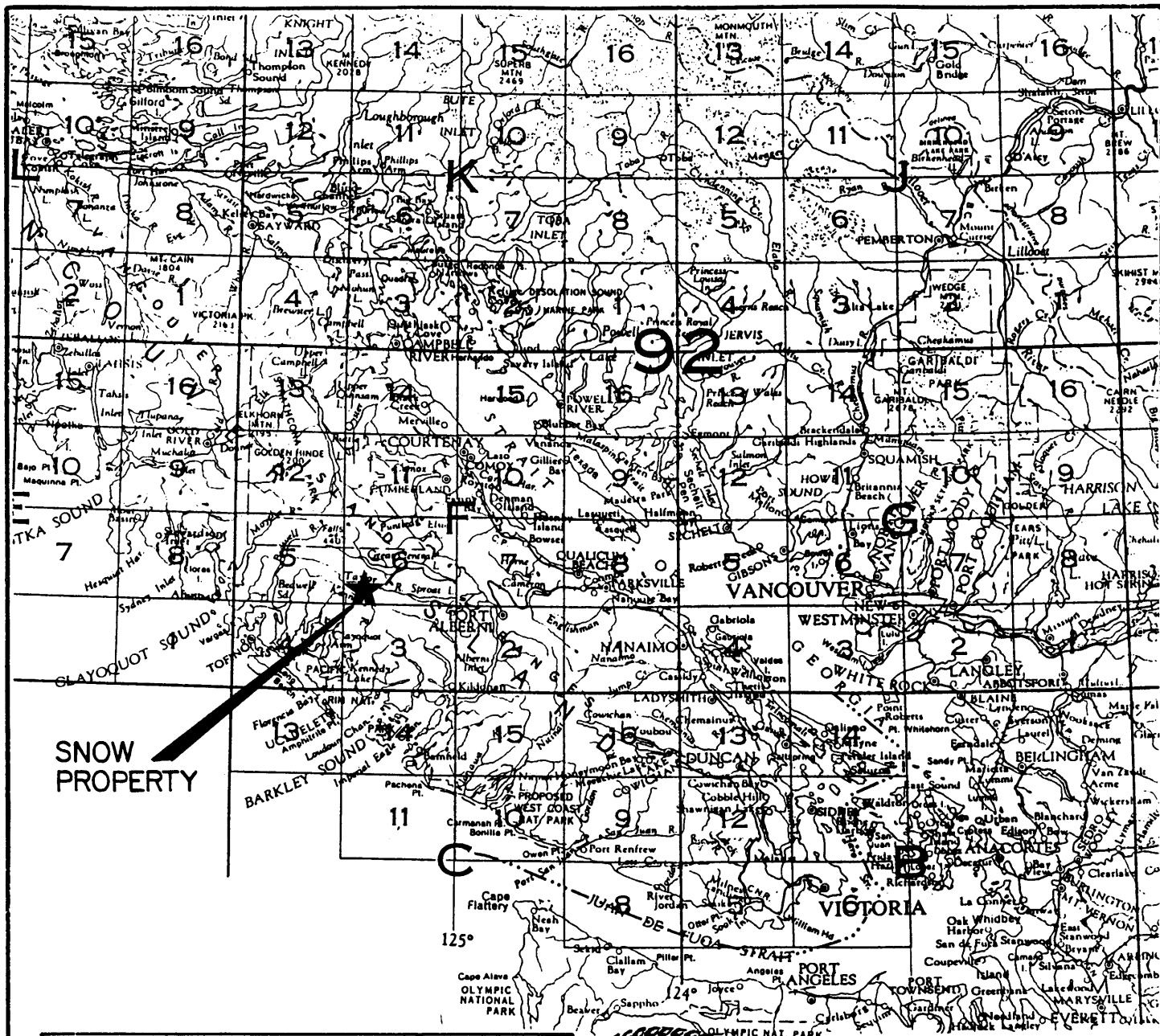
## PROPERTY DEFINITION (Figure 2)

The Snow property, consisting of the Snow 1, Snow 2, Snow 3, Snow 4, Snow 5, Snow 6, White 1, White 2, and 7D #1 mineral claims totaling 129 units, covers about 3,225 hectares in the Alberni Mining Division. The claims were staked using the modified grid system. The legal corner posts were not examined by the writer.

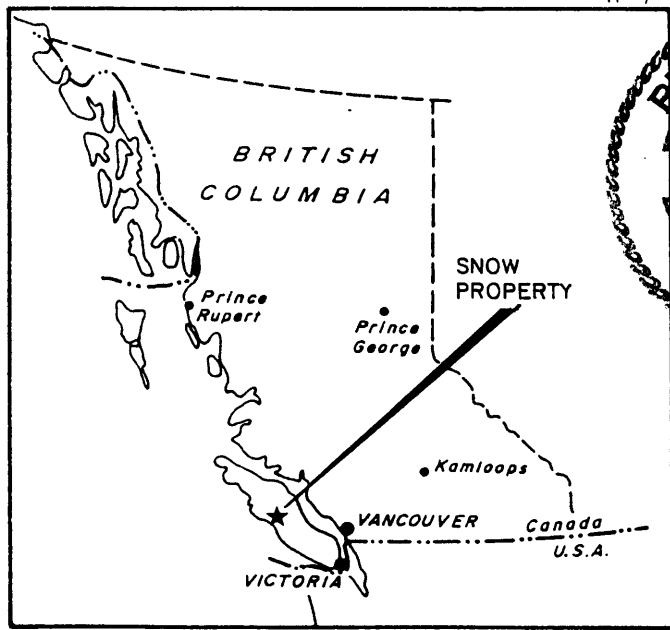
Pertinent claim data for the Snow property is shown in Table 1, and claim locations after British Columbia government claim map 92F-6W are shown in Figure 2.

**TABLE 1. PERTINENT CLAIM DATA FOR THE SNOW PROPERTY.**

<u>Name</u>	<u>Tenure #</u>	<u>Units/Shape</u>	<u>Expiry Date</u>	<u>Recorded Owner</u>
Snow 1	200408	12/4Wx3N	Jul. 3, 1997	Area Explorations Ltd.
Snow 2	200411	9/3Ex3N	Jul. 15, 1997	Area Explorations Ltd.
Snow 3	331742	20/4Nx5E	Oct. 8, 1996	Area Explorations Ltd.
Snow 4	331743	20/4Sx5W	Oct. 8, 1996	Area Explorations Ltd.
Snow 5	319798	20/4Sx5W	Aug. 6, 1997	Area Explorations Ltd.
Snow 6	303490	6/1Sx6E	Aug. 24, 1997	Area Explorations Ltd.
White 1	200419	8/4Wx2S	Aug. 7, 1997	Area Explorations Ltd.
White 2	336365	14/7Ex2S	May 22, 1997	Area Explorations Ltd.
7D #1	331741	20/5N x 4E	Oct. 8, 1996	Area Explorations Ltd.



**SNOW PROPERTY**



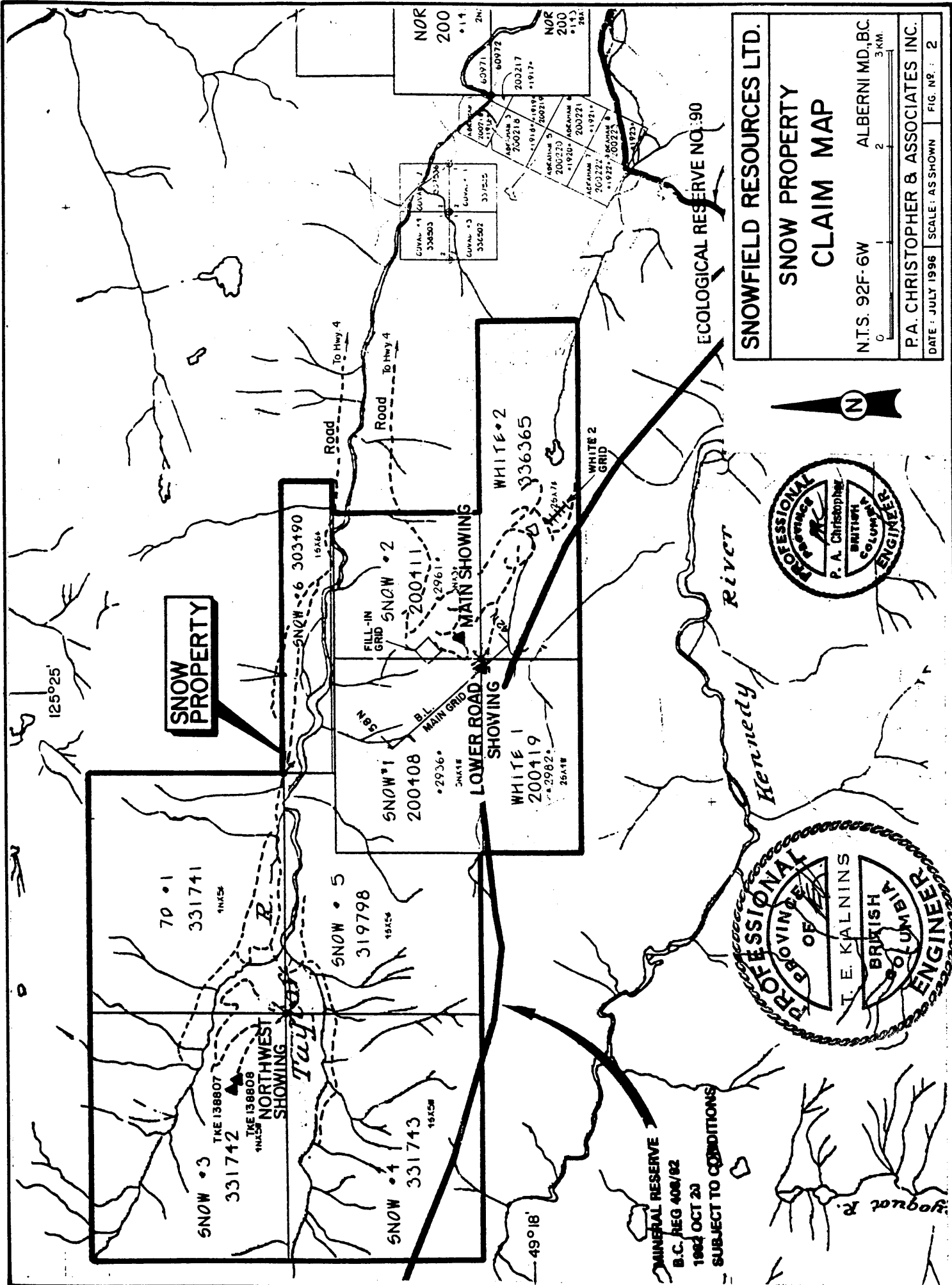
**SNOWFIELD RESOURCES LTD.**

**SNOW PROPERTY LOCATION MAP**

N.T.S. 92F-6W ALBERNI MD., B.C.

**P.A. CHRISTOPHER & ASSOCIATES INC.**

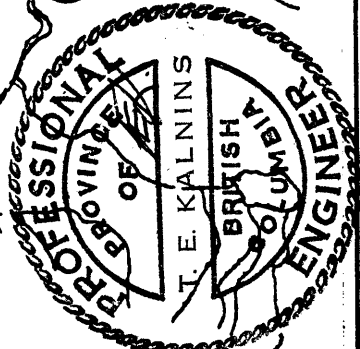
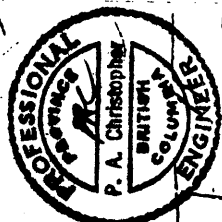
DATE: JULY 1996 SCALE: AS SHOWN FIG. NO.: 1



**SNOWFIELD RESOURCES LTD.**  
**SNOW PROPERTY**  
**CLAIM MAP**

N.T.S. 92F-6W      ALBERNI MD, B.C.  
 0      1      2      3 KM

P.A. CHRISTOPHER & ASSOCIATES INC.  
 DATE: JULY 1996      SCALE: AS SHOWN      FIG. NO.: 2



MINERAL RESERVE  
 B.C. REG 408/82  
 1982 OCT 20  
 SUBJECT TO CONDITIONS

## History

No record of previous exploration or mining work exists for the area of the Snow and White claims prior to staking in 1986. The Snow and White claims were staked by Alphonse Gallant of Port Alberni, a principal of Area Explorations Ltd., in 1986 to cover a high grade gold showing exposed in a recent logging road cut. Prospecting, trenching and sampling was carried out in 1986 with select samples from the main showing assaying up to several ounces of gold per ton.

In 1987 Casau Exploration Ltd. and Snowfield Resources Ltd. entered into option agreements with Area Explorations Ltd. to explore the Snow 1, Snow 2, White 1, and White 2 claims. A two phase exploration program included establishment of 17 km of grid lines, collection and analysis of 620 soil and 67 rock samples, trenching a total of 247 meters at nine locations, NQ core drilling of a total of 494 feet in three holes, and EM-VLF and MAG surveys over the grid.

In the first phase of soil sampling, gold values in soil ranged up to 9530 ppb, with 10 samples >90 ppb considered strongly anomalous. In the second phase anomalous gold in soil values ranged up to 810 ppb, with 19 samples containing over 100 ppb gold. The highest values of gold were obtained along strike southeast of the Main Showing. Anomalous lead, zinc and copper values in soil generally correlate with anomalous gold values. Trenching and stripping indicated that faulting continued after vein emplacement and resulted in a complex pattern of mineralization.

The option agreement with Casau Exploration Ltd. was terminated in 1988, and in 1989 Snowfield Resources optioned to earn 100% interest in the property. In 1990 Snowfield Resources Ltd. entered into an option agreement with Area Explorations Ltd. to earn 100% interest in the adjoining Snow 3, Snow 4, Snow 5, Snow 6 and 7D #1 claims, which cover geological structures and trends of the Snow veins in a northwesterly direction.

In 1992 Snowfield Resources Ltd. conducted a geological and geochemical assessment program on the property. The program included soil sampling the B horizon at 10 to 15 cm depth northwest of the Main Showing, soil sampling with an auger in a boggy area southeast of the Main Showing, and soil sampling a small grid on White 2. Four silt, 153 soil and 62 rock samples were collected and analyzed for multi-elements. Geological mapping was conducted along new logging roads and the grid areas.

Gold values in soil varied from the 1 ppb detection limit to 2060 ppb at 52 + 75N 56 + 10E with 26 values over 20 ppb considered anomalous and 15 values over 50 ppb considered strongly anomalous. The 2060 ppb gold value was taken from the area of PCS-2, SJR-18 and SJR-19 which contained 5.654 oz Au/ton, 138000 ppb gold and 17200 ppb gold, respectively. The soil sample contained slightly anomalous silver content of 1.6 ppm but PCS-2 contained 655.0 ppm silver and SJR-18 which was reflected in a 943 ppm lead value at the sample site. A soil value of 1090 ppb gold was obtained at 51 + 75N 54 + 99EE, near sample PCS-1 which contained 0.400 oz Au/ton over 40 cm. Lead values appear to be closely associated with strong gold response. Anomalous zinc values showed good correlation with anomalous copper, manganese and cobalt,

but with little correlation with anomalous gold values. Only four copper values > 100 ppm were considered to be anomalous. Elevated values of arsenic > 10 ppm are considered to be of interest because gold-bearing rock samples have moderately to strongly anomalous arsenic content.

## **REGIONAL GEOLOGY (Figures 3 & 4)**

The Snow property is situated in the Insular Tectonic Belt of the Canadian Cordillera. The region around the Snow property is shown by Muller (1977) to be underlain by Triassic Vancouver Group rocks and granodioritic rocks of the Island Intrusions (Figure 3). The claim area is shown to be underlain by Triassic Karmutsen volcanic and granitoid rocks of the Jurassic and Triassic Karmutsen volcanic and granitoid rocks of the Jurassic and Cretaceous Island Intrusions. The Karmutsen Formation unconformably overlies the Pennsylvanian and/or Sicker Group or is separated from the Sicker Group by a sediment-sill unit at the base of the Vancouver Group. The Sicker Group is known to contain precious metal enhanced massive sulphide deposits at Buttle Lake, Mt. Sicker and in the China Creek area.

The Triassic Karmutsen Formation which underlies a major portion of Vancouver Island is up to 6300 meters thick. The unit consists mainly of tholeiitic volcanic rocks which have been divided into a lower pillow lava member, a middle pillow breccia and aquagine tuff member and an upper massive flow member.

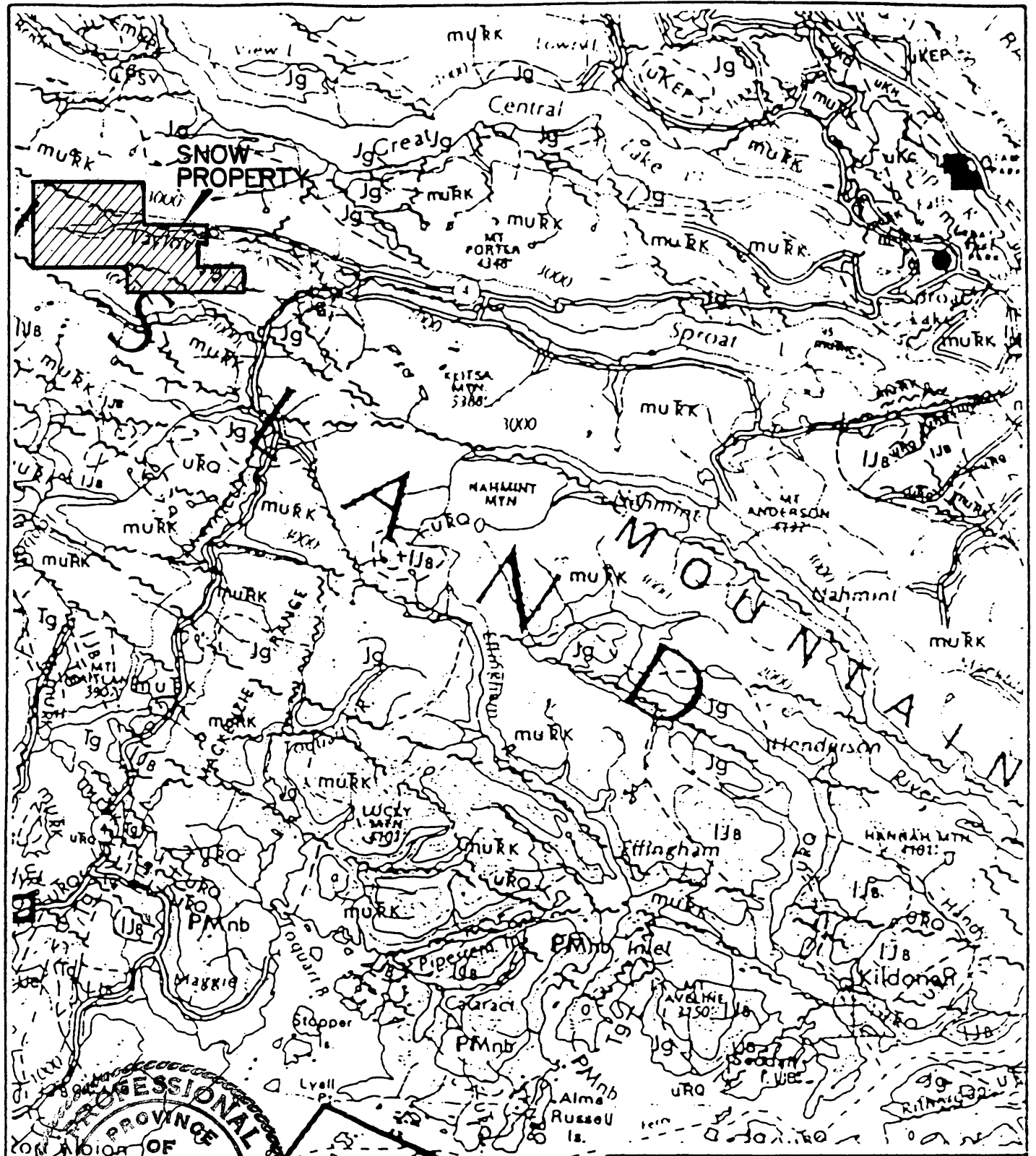
## **PROPERTY GEOLOGY (Figures 5 - 6)**

The geology of the Snow property grid area has been mapped by Sayer and Stephen (1987) and Sayer (1987a; 1987b). The property is mainly underlain by Karmutsen basaltic lavas and granodiorite and quartz diorite intrusive rocks with about 30-40% volcanics and 60-70% intrusive rocks in the mapped area. The Karmutsen volcanics, consisting of basaltic lava flows, pillow lavas, massive and prophyritic flows and associated tuffs are believed to be part of the lower part of the Karmutsen volcanics (Muller, 1977).

Intrusive rocks on the property consist of medium grained quartz-feldspar porphyry with 20-30% plagioclase feldspar and 10-15% quartz. Mafic constituents of the porphyry are generally chloritized. Sayer (1987a; 1987b) refers to the porphyry as quartz diorite. A more mafic dioritic phase has 10-15% mafics in place of quartz. The quartz-feldspar porphyry appears to occupy the structural zone that controls the main mineralized showing.

A coarse granodioritic phase is distinguished by 15-20% coarse quartz phenocrysts and feldspar with a pinkish cast. Grain size is generally 3-8 mm with about 2% of the rock composed of mafic minerals.

Volcanic and intrusive rocks are generally in fault contact along north-south, east-west and northwest directions. Faults generally have steep dips with the east-west direction dominant.



PROFESSIONAL  
 PROVINCE OF  
 E. KALNINS  
 BRITISH  
 COLUMBIA  
 ENGINEER

PROFESSIONAL  
 PROVINCE  
 P. A. Christopher  
 BRITISH  
 COLUMBIA  
 ENGINEER



FOR LEGEND SEE FIG. 4

SNOWFIELD RESOURCES LTD.

**SNOW PROPERTY  
 REGIONAL GEOLOGY**

N.T.S. 92F-6W

ALBERNI MD., B.C.



P.A. CHRISTOPHER & ASSOCIATES LTD.

SCALE 1:250,000

JULY 1996

FIGURE 3

# TABLE OF FORMATIONS OF VANCOUVER ISLAND

PERIOD		STAGE	GROUP	FORMATION	SEQUENTIAL LAYERED ROCKS		CRYSTALLINE ROCKS, COMPLEXES OF POORLY DEFINED AGE																																																																															
					LITHOLOGY	NAME	SYM-BOL	ISOTOPIC AGE	LITHOLOGY	SYM-BOL																																																																												
CENOZOIC	MESOZOIC	EARLY JURASSIC	VANCOUVER	late Jurassic to Paleocene	conglomerate, sandstone, shale sandstone, siltstone, conglomerate conglomerate, sandstone basaltic lava, pillow lava, breccia, tuff sandstone, conglomerate shale, siltstone conglomerate, sandstone siltstone, shale, sandstone conglomerate, sandstone shale, siltstone, sandstone conglomerate, sandstone, shale, coal shale, siltstone, sandstone sandstone, conglomerate, shale, coal conglomerate, greywacke siltstone, shale greywacke, conglomerate, siltstone siltstone, argillite, conglomerate basaltic to rhyolitic lava, tuff, breccia, minor argillite, greywacke argillite, greywacke, tuff calcareous siltstone, greywacke, siltstone, limestone, minor conglomerate, breccia limestone basaltic lava, pillow lava, breccia, tuff metasiltstone, diabase, limestone limestone, chert metagreywacke, argillite, schist, marble basaltic to rhyolitic metavolcanic flows, tuff, agglomerate	SOOKE INTRUSIONS WETCHOSIN SCHIST LEECH RIVER FM.	32-59 31-49 47 38-41	quartz, diorite, feldspar, mica, chlorite, amphibole, pyroxene, garnet, biotite, orthopyroxene, plagioclase, quartzite, schist, gneiss, amphibolite, chert																																																																														
									MID LATE JURASSIC	SICKER	sediments, volcanics	CP3s CP3v	Pg Pps Pnb	metagranodiorite, metagabbro, quartzite, schist, gneiss, amphibolite, chert																																																																								
															EARLY JURASSIC	BONANZA	volcanics	IJs	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																																																																		
																					LADINIAN	KARNIAN	sediment - silt unit	IJs	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																																																												
																											KARNIAN	QUATSINO	volcanics	IJs	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																																																						
																																	LADINIAN	KARMUTSEN	sediment - silt unit	IJs	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																																																
																																							LADINIAN	PARSON BAY	volcanics	IJs	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																																										
																																													LADINIAN	HARBLEDOWN	volcanics	IJs	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																																				
																																																			LADINIAN	Upper Jurassic sediment unit	volcanics	IJs	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																														
																																																									LADINIAN	LONG ARM	siltstone, shale	IKp	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																								
																																																															LADINIAN	QUEEN	conglomerate unit	IKp	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																		
																																																																					LADINIAN	CHARLOTTE	siltstone, shale unit	IKp	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss												
																																																																											LADINIAN	COMOX	shale, siltstone, sandstone	UKm	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss						
																																																																																	LADINIAN	HASLAM	EXTENSION - PROTECTION	UKp	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss
LADINIAN	NANAIMO	DE COURCY	UKc	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																																																																																	
						LADINIAN	NANAIMO	NORTHUMBERLAND	UKm	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																																																																											
												LADINIAN	NANAIMO	GEOFFREY	UKc	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																																																																					
																		LADINIAN	NANAIMO	SPRAY	UKg	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																																																															
																								LADINIAN	NANAIMO	GABRIOLA	UKg	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																																																									
																														LADINIAN	NANAIMO	METCHOSIN	UKm	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																																																			
																																				LADINIAN	NANAIMO	ESCALANTE	UKm	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																																													
																																										LADINIAN	NANAIMO	CARMANAH	UKm	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																																							
																																																LADINIAN	NANAIMO	SOOKE BAY	UKm	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																																	
																																																						LADINIAN	NANAIMO	late Jurassic to Paleocene	UKm	JKp	greywacke, argillite, chert, basic gabbro, schist, gneiss																											

FIG. 4 : LEGEND FOR REGIONAL GEOLOGY

x .906, 2.86 / 1.7'

Approx. Drill site

.021, .01 / 3.0'

ROAD

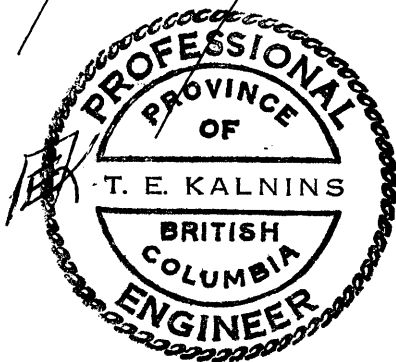
1.570, 1.12 / 4.5'  
.149, .20 / 4.5'  
.506, 3.37 / select  
.087, .57 / 1.3'  
.003, .01 / 5.0'

TKE 138801 :  
0.410 oz/t Au, chip composite, 3m.

.038, .02 / 1.0'

TKE 138802 :  
0.011 oz/t Au,  
select grab

TKE 138803 :  
0.060 oz/t. Au,  
select grab



1.570, 1.12 / 4.5' Au, Ag in oz per ton / width

Coast intrusives  
 Volcanics

TKE SAMPLED BY T. KALNINS, JULY 6, 1996



**SNOWFIELD RESOURCES LTD.**

**SNOW PROPERTY  
MAIN SHOWING  
SAMPLE LOCATIONS**

N.T.S. 92F-6W

ALBERNI MD., B.C.

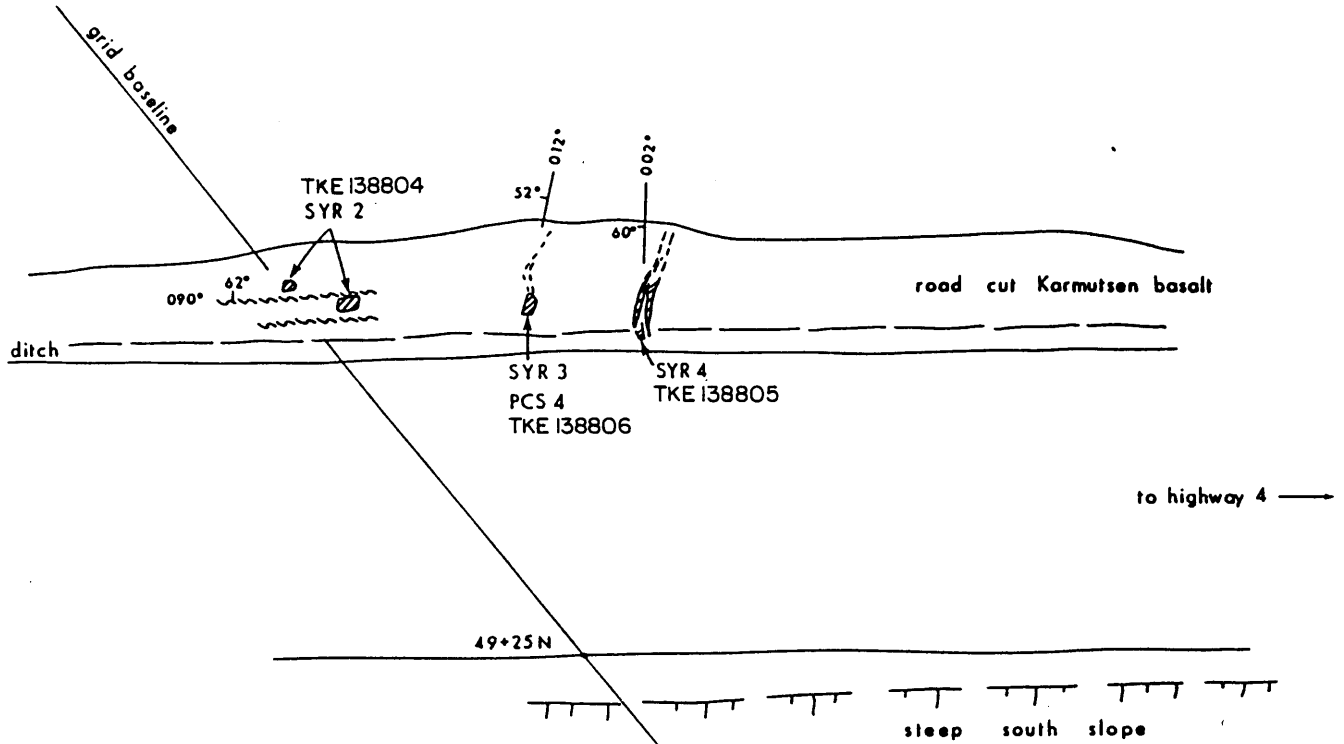
0 5 10 15 METRES

**P.A. CHRISTOPHER & ASSOCIATES INC.**

DATE : JULY 1996

SCALE : AS SHOWN

FIG. NR. : 5



Sample No.	Au ppb	Width
SYR 2	7790	grab
3	61800	0.14m select
4	27470	grab

PCS 4 1.724 oz/t Au 0.12m channel  
 TKE 138804 0.639 oz/t Au 0.30m. chip  
 TKE 138805 0.402 oz/t Au 0.50m. chip  
 TKE 138806 1.295 oz/t Au 0.30m. chip



- LEGEND**
- Quartz - sulphide vein
  - Vein altitude
  - Rock sample location
  - Rock sample by P. Christopher, June 15, 1992
  - Rock sample by T. Kalnins, July 6, 1996



**SNOWFIELD RESOURCES LTD.**

**SNOW PROPERTY  
LOWER ROAD SHOWING**

N.T.S. 92F-6W

ALBERNI MD., B.C.

0 1 2 4 8 METRES

**P.A. CHRISTOPHER & ASSOCIATES INC.**

DATE: JULY 1996

SCALE: AS SHOWN

FIG. NO.: 6

## MINERALIZATION (Figures 5 - 6)

Gold mineralization on the Snow property consists of pyrite, galena, chalcopyrite and sphalerite in quartz or quartz-carbonate veins. Vein textures are indicative of open space filling. A petrographic study indicated the presence of carbonate and epidote with the quartz gangue and native gold as thread-like veinlets and inclusions in chalcopyrite and galena.

Sayer and Stephen (1987) suggest that veins do not have a preferred direction but at the Main Showing five veins in a 10-15 meter section all trend about 140°. The best chip sample (0351) by P.A. Christopher (1987) obtained over 4.5 feet at the Main Showing, assayed 1.570 oz Au/ton and 1.12 oz Ag/ton and was part of a 10.3 foot section which averaged 0.76 oz Au/ton and 0.65 oz Ag/ton. A select sample from the 'Creek Zone' assayed 2.480 oz Au/ton and 4.12 oz Ag/ton which supports samples collected by Sayer and Stephen (1987) assaying up to 2.72 oz Au/ton and 5.16 oz Ag/ton for a grab sample 58434 from the 'Creek Zone' with the best chip sample (58436) by P. A. Christopher assaying 0.293 oz Au/ton and 0.99 oz Ag/ton over 30 cm. A summary of P.A. Christopher's samples are presented in Table 2.

**TABLE 2. SUMMARY OF P.A. CHRISTOPHER'S 1987 SAMPLING**

#	type	width	Cu %	Pb %	Zn %	Au oz	Ag oz	Comments
0351	chip	4.5'	0.29	3.95	2.27	1.570	1.12	Main Show 0-4.5'W
0352	chip	4.5'	0.04	0.17	0.32	0.149	0.20	Main Show 4.5-9'W
0353	chip	5'	0.02	0.04	0.04	0.003	0.01	Main Show 9.14'W
0354	chip	1.3'	0.08	0.39	0.77	0.087	0.57	Main Show 9-10.3'W
0355	select		0.81	3.43	9.31	0.506	3.37	Main Show
0356	chip	3'	0.02	0.05	0.05	0.021	0.01	Main Show 26.5-29.5'E
0357	chip	1'	0.04	0.19	0.42	0.038	0.12	Main Show 74-75'W
0358	grab		0.01	0.01	0.01	0.011	0.05	Main Show 200'W
0359	chip	1.5'	0.03	0.03	0.13	0.065	0.41	Creek Zone
0360	select		0.45	0.20	0.38	2.480	4.12	Creek Zone
0363	chip	1.7'	0.54	6.48	5.4	2.86	0.906	Main Show 20m NW

Three diamond drill holes were directed to intersect the Main Showing from the northeast. A summary of significant drill intersections is presented in Table 3.

**TABLE 3. SIGNIFICANT DRILL INTERSECTIONS 1987**

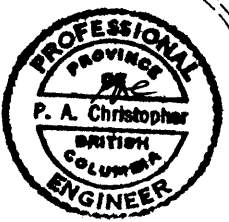
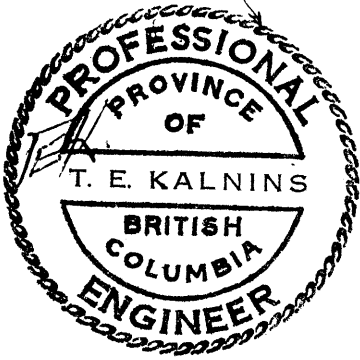
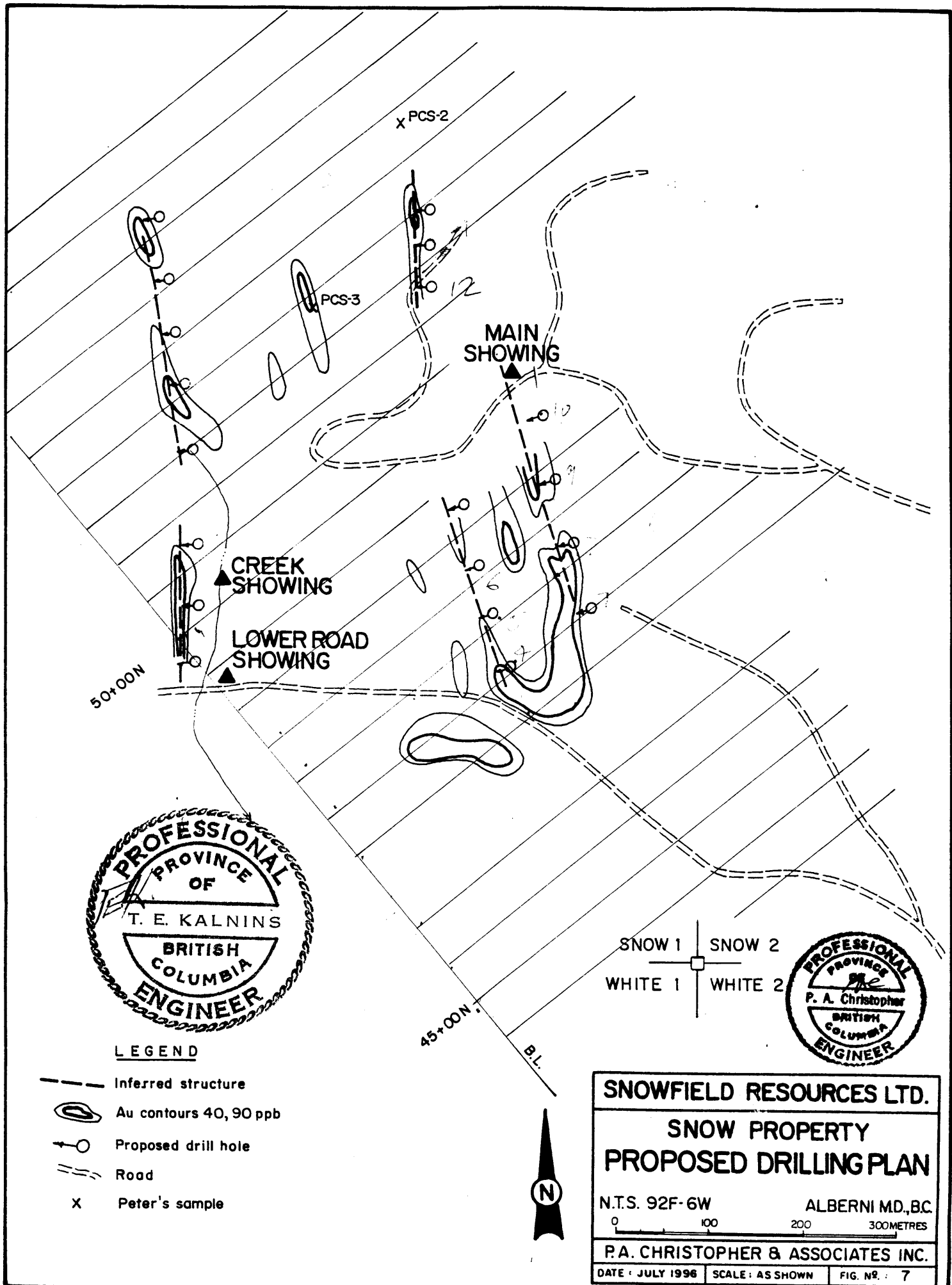
DDH	interval	length	Cu %	Pb %	Zn %	Ag	Au	Ref#
87-1	15.07-15.63	0.56 m			1.95	0.25	0.170	58570
	20.43-21.35	0.92 m			6.56	0.41	0.070	58577
87-2	37.74-38.20	0.56 m	0.13	0.37	1.32	0.72	0.260	58585
87-3	59.65-60.27	0.62 m		3.60	2.78	2.04	1.120	58590
	60.27-61.79	1.52 m	1.00	7.58	4.58	5.25	0.166	58591
avg.	59.65-61.79	2.14 m		6.43	4.06	4.32	0.442	

1992 sampling by P.A. Christopher is summarized in Table 4 with sample locations shown on Figure 2, 6 and 7. Highest grade check sample, PSC-2 containing 5.654 oz Au/ton over 10 cm, was obtained from a new showing along trend from the Main Showing. Sample PSC-5 represented a narrow (2 cm) vein exposed along a new logging road on the White 2 claim. PCS-2, along strike from the Main Showing contained 0.400 oz Au/ton over 40 cm. Sample PCS-2 and PCS-3 are along strike from the Creek Showing contained 1.998 and 1.724 oz Au/ton over 8 cm and 12 cm respectively.

**TABLE 4. SUMMARY OF P.A. CHRISTOPHER'S 1992 SAMPLING**

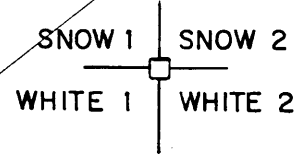
#	type	width	-----ppm-----				--oz/ton--		comments
			Cu	Pb	Zn	Ag	Au		
PCS-1	chip	40 cm	132	10845	4820	20.4	0.400	@ SJR10 NS 80°W Qtz vein	
PCS-2	channel	10 cm	851	30713	11204	655.0	5.654	@SJR18 & 19 visible galena	
PCS-3	channel	8 cm	554	30942	5630	94.7	1.998	visible galena	
PCS-4	channel	12 cm	1019	25218	39471	54.6	1.724	@ SYR3 galena & sphalerite	
PCS-5	channel	2 cm	1181	16309	36921	142.0	4.443	@ SPR16 & 17(north end of B.L., White 2 grid)	

The 1992 sampling program has demonstrated strike length of over 100 meters and 300 meters for the Creek Showing and Main Showing mineralized zones. The higher grade gold values obtained from showings (e.g. PCS-2; PCS-5) provides encouragement for locating small or moderate tonnage high-grade gold deposits.



**LEGEND**

- Inferred structure
- Au contours 40, 90 ppb
- Proposed drill hole
- Road
- Peter's sample



<b>SNOWFIELD RESOURCES LTD.</b>		
<b>SNOW PROPERTY PROPOSED DRILLING PLAN</b>		
N.T.S. 92F-6W	ALBERNI MD., B.C.	
<b>P.A. CHRISTOPHER &amp; ASSOCIATES INC.</b>		
DATE : JULY 1996	SCALE : AS SHOWN	FIG. NO. : 7

## CURRENT WORK (Figures 2, 5, 6)

Co-author T. Kalnins examined the property with Mr. Doug Paterson and Alphonse Gallant on July 6, 1996. Samples were taken from extensions of previously known showings and new discoveries. Samples #1 to #3 were taken from cuts just southerly of the Main Showing (Figure 5), samples #4 to #6 were taken from the Lower Road Showing (Figure 6), and samples #7 to #8 from newly uncovered northwesterly striking quartz veins in a logging road cut on Snow 3 claim about 5 km northwest of the Main Showing (Figure 2). A previously unnoticed limonite zone near the northern boundary between Snow 3 and 7D #1 claims was observed from a distance. A summary of 1996 samples by T. Kalnins is presented in Table 5.

**TABLE 5. SUMMARY OF T. KALNINS' 1996 SAMPLES**

#	type	width	PPM				oz / ton Au	Comments
			Cu	Pb	Zn	Ag		
E138801	chip composite	3 m	1017	11372	24170	20.0	0.410	Fract. rocks, pyrite, quartz, galena, sphalerite
E138802	select grab		190	3833	11100	2.2	0.011	Pyritic zone, quartz
E138803	select grab		542	4569	13361	6.4	0.060	Pyritic zone, quartz
E138804	chip composite	30 cm	2083	5705	40873	68.4	0.639	Pyrite, quartz, galena
E138805	chip composite	50 cm	2783	27857	30406	36.1	0.402	Pyrite, galena, carbonate
E138806	chip composite	30 cm	1709	10318	22137	66.0	1.250	Pyrite, galena, quartz
" Re-run	chip composite	30 cm	1637	9637	21945	51.0	1.295	Pyrite, galena, quartz
E138807	select grab		313	201	160	0.5	0.002	Quartz v. strike 145° 2m wide zone
E138808	chip composite	3 m	769	200	88	1.0	0.019	Quartz, pyrite, malachite strike 125° 3m wide zone

## DISCUSSION

The initial geological, geochemical and geophysical evaluation of the Snow property (Sayer and Stephen, 1987; Sayer 1987a & 1987b) were successful in defining several auriferous vein zones that warranted additional exploration (Christopher, 1990). The Main Showing and Creek Zone were sampled by P.A. Christopher with strongly anomalous gold values obtained from select and chip samples. A 10.3 foot section across the main showing averaged 0.76 oz Au/ton (0351, 0352, 0354) with the initial 4.5 foot section assaying 1.570 oz Au/ton (Christopher, 1987). A select sample of what appeared to be the highest grade material at the main showing contained high base metal values but gold content was relatively lower at 0.506 oz Au/ton. Check and metallic assays conducted to date has produced a significant variation which suggests a nugget effect. The writers recommend the use of large samples and metallics assays to reduce the effect of local gold concentration. Samples collected by P.A. Chistopher during the 1992 program contained between 0.400 oz Au/ton over 40 cm and 5.654 oz Au/ton over 10 cm. The results were obtained from samples with visible galena and suggest that anomalous lead geochemical values warrant detailed follow-up.

Samples collected by T. Kalnins during the 1996 examination contained between 0.011 oz Au/ton and 1.295 oz Au/ton in the Main and Lower Road Showing areas and anomalous values of gold (.019 oz/ton), copper (769 ppm), and lead (200 ppm) in quartz veins about 5 km northwesterly of the Main Showing.

## CONCLUSION AND RECOMMENDATIONS (Figure 7)

High grade assays of up to 5.654 oz Au/ton across 10 cm widths and averages of 0.410 oz Au/ton to 0.76 oz Au/ton across 3 meters continue to provide encouragement for locating a high-grade precious metal deposit. Quartz veins in fracture zones containing anomalous values of gold, copper, and lead have been recently uncovered about 5 km northwest of the main discovery zone. Continued exploration on the Snow property is warranted, and a success contingent two stage drilling program is recommended (Figure 7). In conjunction with the drilling program, stream sediment sampling and thorough prospecting should be extended to cover Snow 3 to Snow 6 and 7D #1 claims northwesterly of the main discovery zone.

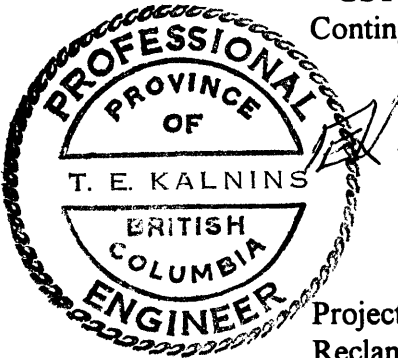
A stage 1, 1000-meter drilling program is estimated to cost \$215,000, and a success contingent Stage 2 drilling program is estimated to cost \$310,000.

**COST ESTIMATES, SNOW PROPERTY**  
**Stage 1. Drilling, sampling**

	\$
Project preparation, mobilization	5,000
Reclamation Permit	2,500
Project geologist	40 days @ \$400/day 16,000
Assistant geologist	40 days @ \$250/day 10,000
Helpers (2)	60 days @ \$200/day 12,000
Consulting	5 days @ \$500/day 2,500
Room and board	140 days @ \$50/day 7,000
Road and site preparation	10,000
Diamond drilling	1000m @ \$75/m 75,000
Assays	500 @ \$20 10,000
Transportation	5,000
Communications, shipping	1,000
Consumables	2,000
Reporting, drafting	8,000
Management (10%)	16,600
Sub Total	182,600
GST 7%	12,782
Contingency 10%	19,618
<b>Total</b>	<b>\$ 215,000</b>

**COST ESTIMATES, SNOW PROPERTY**  
**Stage 2. Drilling, sampling (Success contingent)**

	\$
Project preparation, mobilization	5,000
Reclamation Permit	2,500
Project geologist	40 days @ \$400/day 16,000
Assistant geologist	40 days @ \$250/day 10,000
Helpers (2)	60 days @ \$200/day 12,000
Consulting	5 days @ \$500/day 2,500
Room and board	140 days @ \$50/day 7,000
Road and site preparation	15,000
Diamond drilling	2000m @ \$65/m 130,000
Assays	1000 @ \$20 20,000
Transportation	6,000
Consumables	3,000
Reporting, drafting	10,000
Management (10%)	23,900
Sub Total	262,900
GST 7%	18,403
Contingency ~10%	28,697
<b>Total</b>	<b>\$ 310,000</b>



## BIBLIOGRAPHY

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- Christopher, P.A., 1988. Report on the Snow White Property, Alberni Mining Division, Sproat Lake Area, British Columbia, for Snowfield Resources Ltd. dated January 27, 1988.
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- Paterson, R.T., 1990. Prospecting and Physical Work Report on the Snow 1, Snow 2 and White 1 Claims, for Snowfield Resources Ltd., dated, October 12, 1990.
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- Sayer, C., 1987b. Trenching, Geochemical, and Drilling Report on the Snow 1, Snow 2, White 1, White 2 Claims for Snowfield Resources Ltd. dated December 1987.
- Sayer, C., 1988a. Prospecting Report White 1 Claim, for Snowfield Resources Ltd. dated August 1988.
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- Sayer, C. and Stephen, J.C., 1987. Geological, Geophysical and Geochemical Report on the Snow 1, Snow 2, and White 2 Claims, for Casau Exploration Ltd. and Area Explorations Ltd. dated August 1987 (-- typo --) Resources Ltd. dated May 15, 1987.
- Sayer, C. and Stephen, J.C., 1988a. Progress Report on Geochemical Survey of the Snow 1, Snow 2, and White 2 Claims, for Casau Exploration Ltd. and Snowfield Resources Ltd. dated June 23, 1988.
- Sayer, C. and Stephen, J.C., 1988b. Supplementary Diamond Drill and Backhoe Trenching Report on the on the Snow 1 Claim Group, for Casau Exploration Ltd. and Snowfield Resources Ltd. dated June 25, 1988.

## CERTIFICATE - Peter A. Christopher

I, Peter A. Christopher, with business address at 3707 West 34th Avenue, Vancouver, British Columbia, do hereby certify that:

- 1) I am a consulting geological engineer registered with the Association of Professional Engineers of British Columbia since 1976.
- 2) I am a Fellow of the Geological Association of Canada and a member of the Society of Economic Geologists.
- 3) I hold a B.Sc. (1966) from the State University of New York at Fredonia, a M.A. (1968) from Dartmouth College and a Ph.D. (1973) from the University of British Columbia.
- 4) I have been practicing my profession as a Geologist for over 25 years.
- 5) I have no direct or indirect interest, nor do I expect to receive any interest directly or indirectly in the property or securities of Area Explorations Ltd., or Snowfield Resources Ltd.
- 6) I have based this report on previous exploration experience in the Port Alberni area, a review of government and company reports listed in the bibliography, field examinations conducted by me on August 21, 1987, November 27, 1987, and June 15, 1992 and a work program conducted between May 29 to June 4 and June 11 to June 15, 1992.
- 7) I consent to the use of this report by Snowfield Resources Ltd. for any Filing Statement, Statement of Material Facts, or Prospectus issued by the Company.

  
Peter A. Christopher, Ph.D., P.Eng.  
July 25, 1996



## CERTIFICATE - Talis E. Kalnins

I, Talis E. Kalnins, with business address at 4811 Skyline Drive, North Vancouver, British Columbia, V7R 3J2, do hereby certify that:

- 1) I am a consulting geological engineer registered with the Association of Professional Engineers of British Columbia since 1975.
- 2) I hold a B.Sc. (1964) from the University of British Columbia.
- 3) I have been practicing my profession as a Geologist for over 30 years.
- 4) I have based this report on previous exploration experience in the Port Alberni area, a review of government and company reports listed in the bibliography, and a field examination conducted by me on July 6, 1996.
- 5) I have no direct or indirect interest, nor do I expect to receive any interest directly or indirectly in the property or securities of Area Explorations Ltd., or Snowfield Resources Ltd.
- 6) I consent to the use of this report by Snowfield Resources Ltd. for any Filing Statement, Statement of Material Facts, or Prospectus issued by the Company.

Talis E. Kalnins, P. Eng.  
July 25, 1996



**APPENDIX A**  
**GEOCHEMICAL / ASSAY CERTIFICATES**

ACME ANALYTICAL LABORATORIES  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 21 1987  
DATE REPORT MAILED: *Sept. 1/87...*

### ASSAY CERTIFICATE

- SAMPLE TYPE: Rock Chips

ASSAYER: *D. Toy* DEAN TOYE, CERTIFIED B.C. ASSAYER

STEPHEN EXPLORATION PROJECT-SNOW File # 87-3525

SAMPLE#	CU %	FE %	ZN %	AG OZ/T	AU OZ/T
K 0351	.29	3.95	2.27	1.12	1.570
K 0352	.04	.17	.32	.20	.149
K 0353	.02	.04	.04	.01	.003
K 0354	.08	.39	.77	.57	.087
K 0355	.81	3.43	9.31	3.37	.506
K 0356	.02	.05	.05	.01	.021
K 0357	.04	.19	.42	.12	.038
K 0358	.01	.01	.01	.05	.011
K 0359	.03	.03	.13	.41	.065
K 0360	.45	.20	.38	4.12	2.480



**Chemex Labs Ltd.**  
 Analytical Chemists • Geochemists • Registered Assayers  
 313 BROOKSBANK AVE. NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0321

To: STEPHEN, J.C. EXPLORATION LIMITED  
 746 REGAL CRESCENT  
 NORTH VANCOUVER, B.C.  
 V7K 2X8  
 Project: SMOX  
 Comments:

Page No. : 1  
 Tot. Pages: 1  
 Date : 4-DEC-87  
 Invoice # : I-8727295  
 P.O. # : NONE

**CERTIFICATE OF ANALYSIS A8727295**

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T RUSH	Au oz/T RUSH			
0363 K	236 --	0.54	6.48	5.40	2.86	0.906			

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION :

*W. J. ...*





GEOCHEMICAL/ASSAY CERTIFICATE

Peter A. Christopher File # 96-2701  
3707 W. 34th Ave, Vancouver BC V6N 2C9

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Mi	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	M	Au**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	%	oz/t
E 138801	63	1017	11372	24170	20.0	69	27	994	9.44	784	< 11	< 2	8	142.1	12	8	88	.55	.027	2	70	.96	23	.35	< 3	1.33	.01	.13	< 2	.410	
E 138802	3	190	3833	11100	2.2	7	10	76	6.47	543	< 2	< 2	4	75.3	2	< 2	8	.31	.055	3	9	.03	15	.08	< 3	.39	.01	.24	< 2	.011	
E 138803	18	542	4569	13361	6.4	71	26	334	12.53	833	< 2	< 2	6	98.3	< 2	3	42	.47	.027	2	26	.20	5	.32	< 3	.70	.01	.22	3	.060	
E 138804	1	2083	5705	40873	68.4	40	17	351	15.42	1337	< 25	< 2	2	260.0	< 2	2	23	.36	.009	< 1	78	.33	1	.16	< 3	.53	.01	.09	6	.639	
E 138805	12	2783	27857	30406	36.1	57	21	660	9.80	517	< 13	< 2	21	203.4	5	< 2	65	3.52	.006	< 1	103	1.10	19	.28	< 3	1.30	.01	.11	< 2	.402	
E 138806	11	1709	10318	22137	66.0	29	12	421	17.46	1203	< 59	< 2	5	150.6	2	< 2	33	.90	.007	< 1	58	.60	1	.14	< 3	.76	.01	.07	4	1.250	
RE E 138806	10	1637	9637	21945	51.0	28	11	406	16.64	1151	< 59	< 2	4	147.7	< 2	< 2	31	.87	.006	< 1	57	.58	1	.14	< 3	.74	.01	.06	2	1.295	
E 138807	4	313	201	160	.5	7	6	216	1.84	2	< 2	< 2	1	.8	< 2	< 2	18	.08	.016	2	9	.45	61	.04	3	.73	.01	.10	< 2	.002	
E 138808	2	769	200	88	1.0	3	1	136	.58	2	< 2	< 2	1	.5	< 2	< 2	3	.03	.005	4	10	.06	27	.01	< 3	.19	.01	.07	2	.019	
STANDARD C2/AU-1	19	60	40	148	6.1	70	34	1162	3.80	41	17	8	35	51	18.2	14	18	72	.52	.092	39	66	1.01	200	.08	25	2.14	.06	.14	11	.093

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.  
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPM

- SAMPLE TYPE: ROCK AU\*\* BY FIRE ASSAY FROM 1 A.T. SAMPLE.  
Samples beginning 'RE' are Returns and 'RRE' are Reject Returns.

*July 17/96*

DATE RECEIVED: JUL 8 1996 DATE REPORT MAILED: SIGNED BY: O.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS