1987 GEOLOGICAL AND GEOCHEMICAL REPORT on the RAVEN RIVER PROJECT

N.T.S. 104-B/11
Latitude 56°40' North
Longitude 131°15' West

FOR

ASCOT RESOURCES LTD.
Vancouver, B.C.

October 31, 1987

by: M.J. Burson, B.Sc., F.G.A.C.
Taiga Consultants Ltd.
800 - 900 West Hastings St.
Vancouver, B.C. V6C 1E5

SUMMARY

During 1987 a Taiga Consultants Ltd. field crew, under contract to Ascot Resources Ltd., completed an exploration program designed to evaluate the gold and other mineral potential of the ROB 6-9 claims, located in the Iskut River area of British Columbia.

The property is underlain by volcaniclastics and carbonate rocks of indeterminate age and intrusive rocks of the Coast Plutonic Complex comprising mainly granodiorite with subordinate, possibly subvolcanic, diorite. Minor calc-silicate hornfels has developed proximal to the contact between the carbonates and the intrusive rocks.

A total of 352 soil, silt, rock and heavy mineral samples were analyzed for gold and silver. Several areas have returned results with elevated gold values and require more detailed evaluation. Option payments should be deferred until this evaluation is completed.

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INTRODUCTION

Ascot Resources Ltd. has acquired four mineral claims (80 units) in the Iskut River area, 60 kilometers west of Bob Quinn Lake on the Stewart-Cassiar highway (see Figure 1).

This report summarizes the results of a prospecting/geochemical field program during July and August, 1987. The main objective of this work was to delineate areas of high geochemical background which might lead to discoveries of mineralization similar to those found within the Skyline Exploration and Delaware/Cominco properties, 11 kilometers to the southeast.

LOCATION AND ACCESS

The ROB claims are located south of the Iskut River at 56°40' north latitude and 131°15' west longitude. Access is by fixed-wing aircraft from Terrace or Smithers, 160 kilometers to the southeast, to the Snippaker Creek airstrip, 30 kilometers east of the claims and thence by helicopter to the property. More proximal airstrips exist on the Skyline property and on the Delaware property, but they are private facilities requiring permission for use by outsiders.

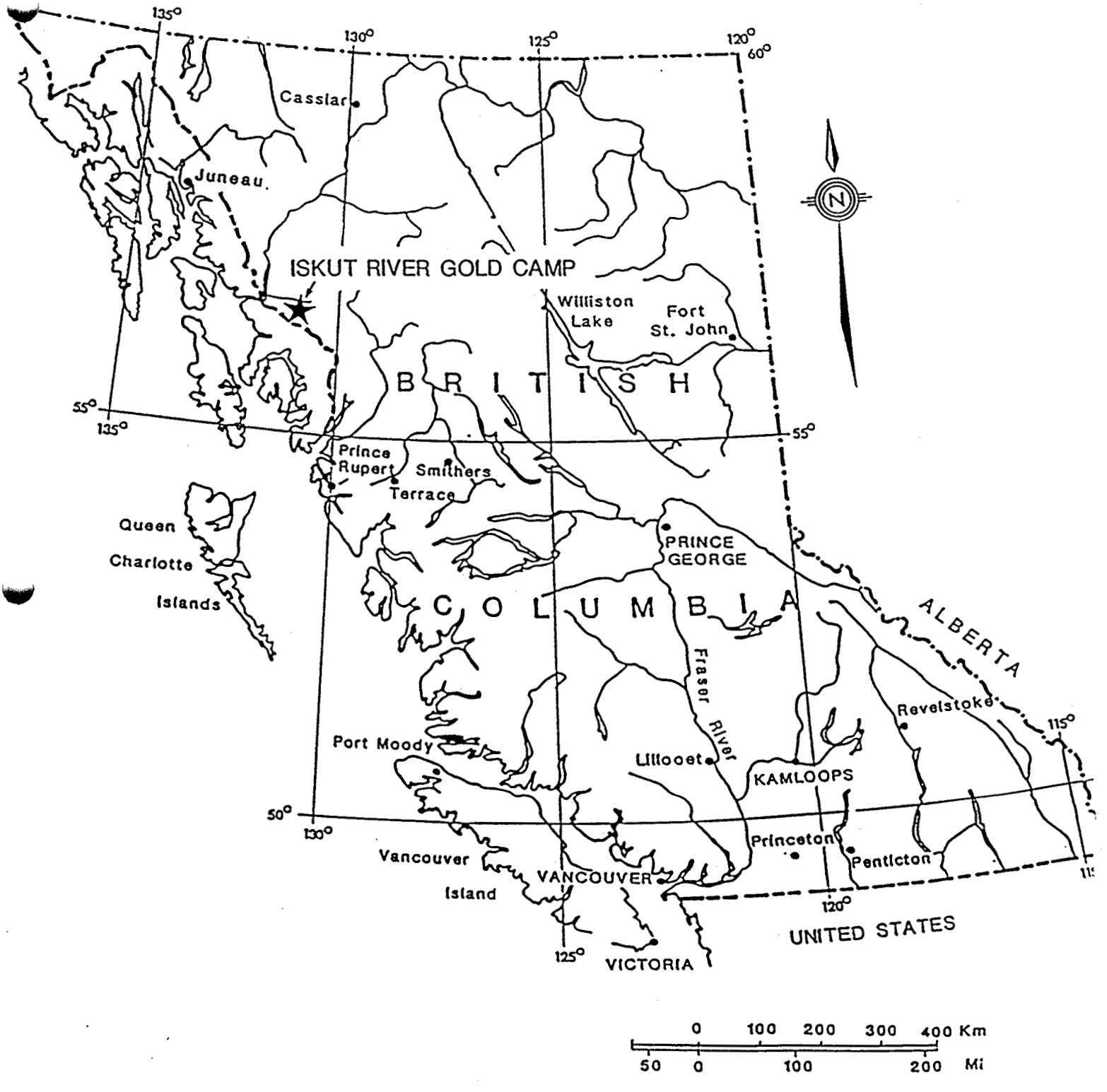
Future road access to the area will likely follow the Iskut River Valley from Bob Quinn Lake. The site of B.C. Hydro's planned development of a hydroelectric generating facility on the Iskut River is about 20 kilometers upstream from the property.

TOPOGRAPHY AND CLIMATE

The property covers the very rugged north facing slopes of Orata Mountain. Elevations range from 300 to 5700 feet, with permanent ice fields being common at the higher elevations.

Climate in the area typically consists of cold snowy winters and warm, wet summers. Snow at higher elevations would normally exceed 15 feet, whilst 3-5 feet would accumulate near the Iskut River.

Vegetation ranges from mature conifer forest at the lower elevations to alpine meadow above tree-line. Much of the property is covered by slide alder and devils club.



PROPERTY LOCATION – LIARD, M.D.

FIGURE 1

TAIGA CONSULTANTS LTD.

CLAIM STATUS

The property consists of four modified grid claims (see Figure 2), comprising 80 units, staked within the Liard Mining Division. These include:

Claim	No. of Units	Record No.	Expiry Date
ROB 6	20	3785	December 5, 1987
ROB 7	20	3786	December 5, 1987
ROB 8	20	3787	December 5, 1987
ROB 9	20	3788	December 5, 1987

REGIONAL GEOLOGY

The regional geological setting consists of several sedimentary and volcanic series that are intruded by younger granitic rocks and, in places, are overlain by recent volcanic flows.

These occur within the Stewart Complex (Grove, 1986), an area of diverse rock types and complicated structure which is bounded on the west by the intrusive margin of the Coast Plutonic Complex, on the east by the Bowser Basin, the north by the Iskut River, and on the south by Alice Arm.

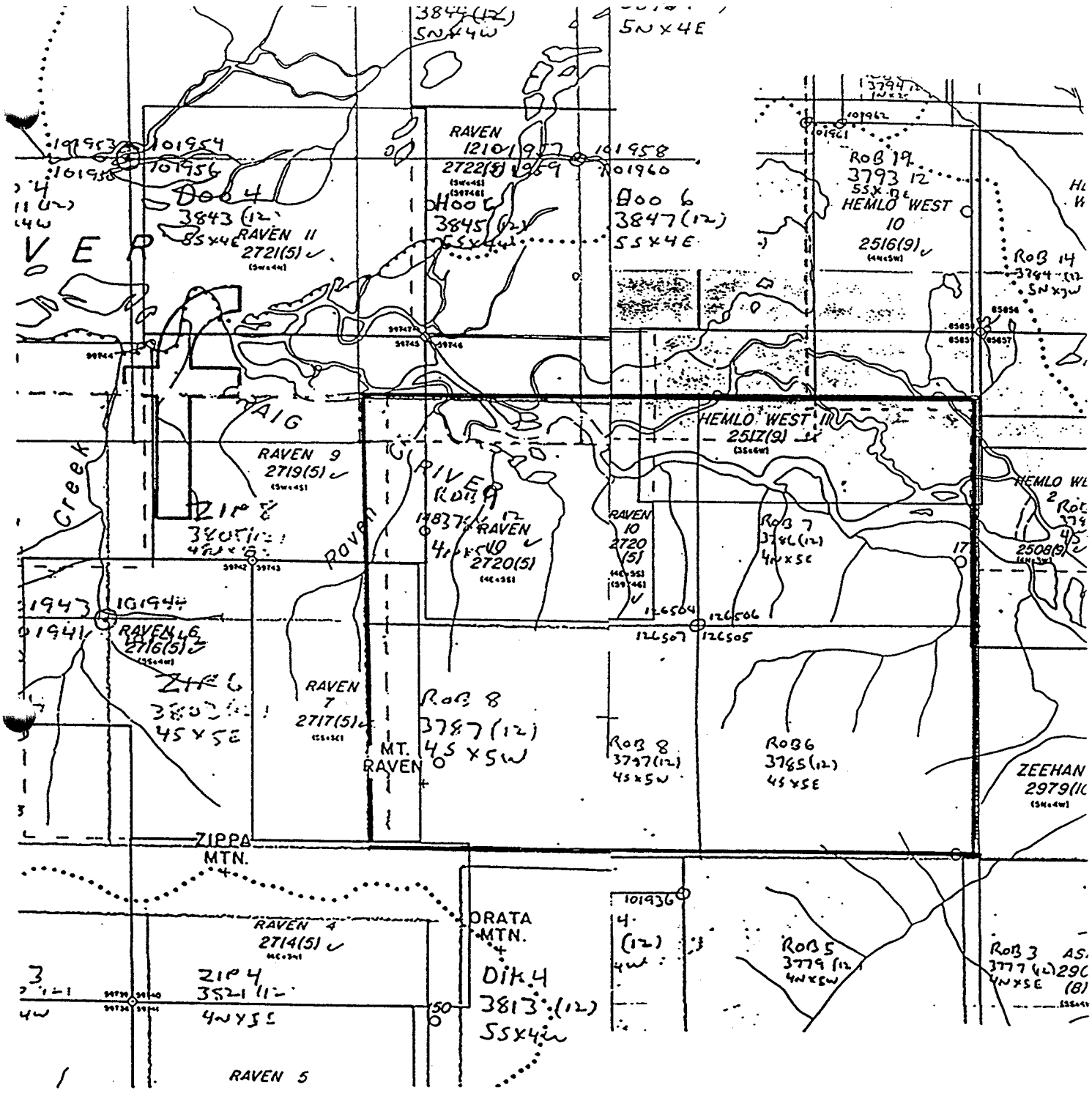
The oldest sequence comprises Permian to Lower Triassic limestones, siltstones, shales and conglomerates that overlie metamorphosed sedimentary and volcanic rocks.

In the Iskut Valley region, these rocks are extensively deformed and are thought to have been emplaced by thrust faulting which pushed up and over to the south across Middle Jurassic and older units.

The Upper Triassic to Lower Jurassic section is comprised of miogeosynclinal volcanics and sediments which have been correlated with the Unuk River Formation of the Hazelton Group. Locally referred to as the "Snippaker Volcanics" (see Figure 3), these range compositionally from andesite to dacite and rhyolite. Breccias and tuff breccias are common and siliceous pyroclastic rocks are locally abundant.

The Middle Jurassic Betty Creek Formation comprises rhyolite breccia, volcaniclastics, conglomerate, carbonate chert, and volcanics which unconformably overlie the Unuk River Formation.

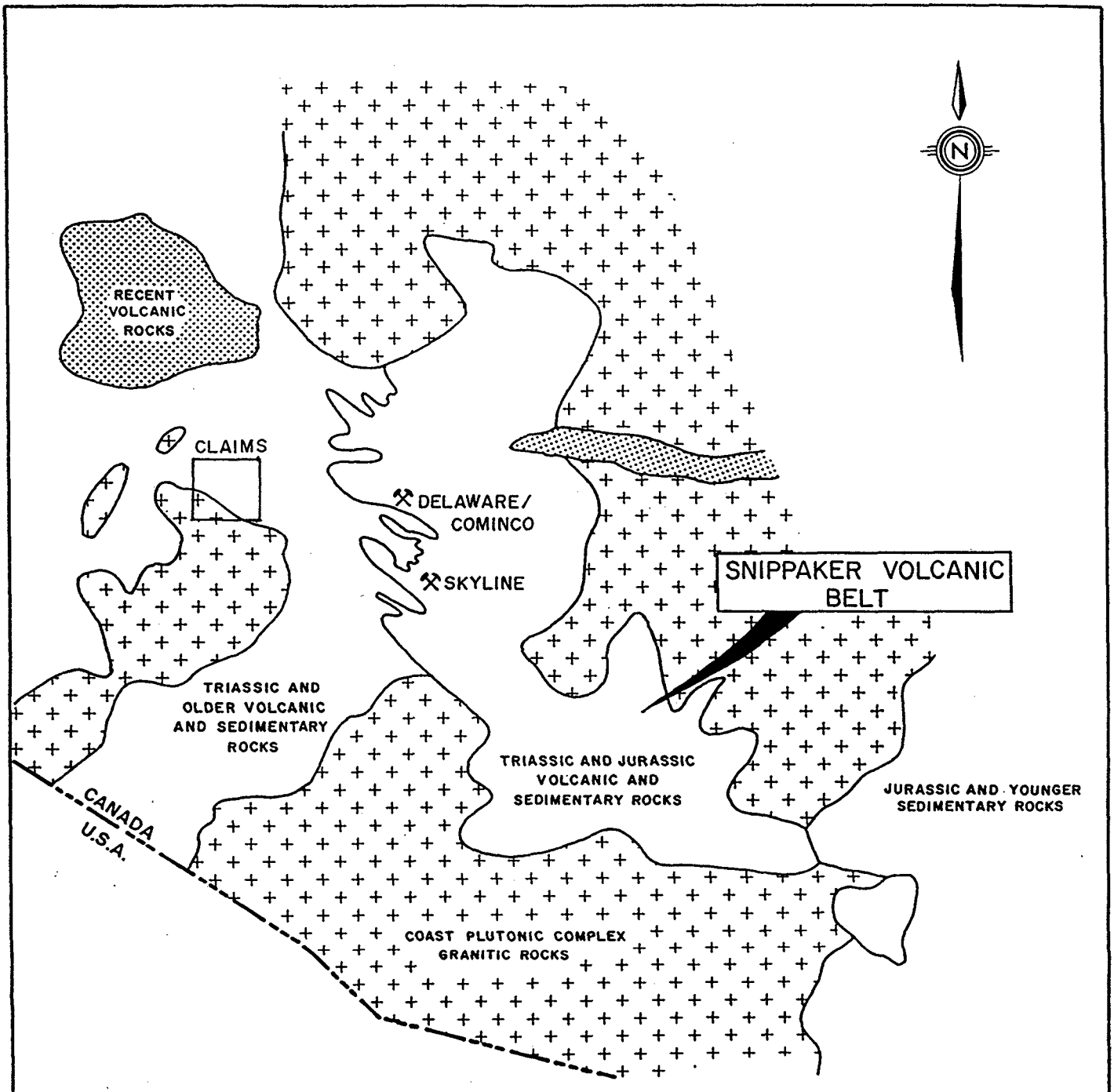
The Stewart Complex has been invaded by granitic rocks of the



CLAIM LOCATION

104 B/11 1:50,000

FIGURE 2.



SNIPPAKER
VOLCANIC BELT

FIGURE 3.

Coast Plutonic Complex. Granodiorite is the predominant rock type of the major intrusions, although a large variety of rock types occur as smaller satellite diapiric stocks as well as dykes and sills.

Small Quaternary volcanic piles and flows are scattered throughout the Stewart Complex, the most prominent in the area being Hoodoo Mountain, a volcanic cone which has been built up over a period of time which continued nearly to the present.

LOCAL GEOLOGY

The claims are predominantly underlain by a thick volcanic/ sedimentary package which has been intruded by granitic rocks of at least two different ages. The volcaniclastics consist of mafic tuff and lapilli tuff with thin interbeds of mudstone or fine-grained ash tuff. Occasional quartz eyes, devitrified glass and fragments were observed and less than 1% pyrite was invariably present. This package has a persistent east-west trend, with dips being moderate to steep in a northerly direction. Minor argillaceous limestone occurs in the western portion of the claims and calc-silicate hornfels has developed proximal to the intrusive rocks. A homogenous, slightly foliated granodiorite occurs to the southwest and the southcentral portion of the claims. Several plugs of older, possibly subvolcanic, diorite occur to the north and to the extreme southwest.

Weak chloritization and silicification has affected all units. Gossans have formed within the calc-silicate hornfels and volcaniclastics proximal to the granodiorite as the result of the weathering of concentrations of pyrite, chalcopyrite $\pm$ pyrrhotite $\pm$ arsenopyrite. Up to 5% sulphide minerals occur as masses, along joint planes and as disseminations within interbedded mudstone layers. Weaker gossans, subparallel to bedding, occur within mudstone beds proximal to diorite dykes, and invariably the diorite contains 1% pyrite and traces of chalcopyrite and arsenopyrite.

GEOCHEMISTRY

A total of 200 soil samples, 75 silt samples, 75 rock samples, and 2 heavy mineral samples were collected and analyzed for Au and Ag.

The sampling technique involved filling a 4"x6" kraft bag with B-horizon soils or fine silt from the active portion of the stream. Heavy mineral samples were obtained by screening the silt to a -10 mesh fraction (2mm x down) and panning this fraction in the

field to obtain a concentrate of heavy minerals. Representative samples of all lithologies, as well as any vein material, alteration products and/or sulphide mineralization were routinely sent for analysis to Bondar-Clegg and Company Ltd., North Vancouver, B.C., or to Terramin Research Labs, Calgary, Alberta. Soil and silt samples were screened to obtain the -80 mesh fraction, while heavy mineral and rock samples were crushed to -150 mesh. The elements Cu, Pb, Zn and Ag were analyzed using atomic absorption methods after a HNO_3 - HCl hot extraction, while Au was analyzed by conventional fire assay AA.

A number of areas have returned values which are anomalous with respect to gold but, in general, the silver values are very low.

In the south-central portion of the claim group, the major drainage has returned anomalous values from several silt samples up to 208 ppb. The rocks in this area comprise the volcanic package which has been intruded by a small plug or dyke of granodiorite. No mineralization or alteration was observed to explain the origin of these anomalies.

A second area in the west-central region has returned several anomalous values from both rock and soil samples. These were collected close to the contact between the granodiorite and the volcanics where several gossans exist. These gossans usually contain concentrations of pyrite with subordinate chalcopyrite, pyrrhotite and/or arsenopyrite and should be systematically sampled and analyzed for gold and silver.

A third, but much weaker zone occurs near the lower drainage of Raven Creek in the extreme northwest corner of the property. Several samples have values up to 78 ppb gold and are probably caused by higher background levels within the diorite which crops out in this area.

CONCLUSIONS AND RECOMMENDATIONS

Initial reconnaissance has indicated a number of areas with elevated gold values which deserve some limited follow-up in the form of detailed prospecting and sampling.

While the results are encouraging, they can hardly be described as conclusive in determining the potential of the ROB claims and merely indicate areas for more detailed evaluation. To this end, it is recommended that option payments be deferred until such time that detailed analyses of the anomalous areas are completed.

BIBLIOGRAPHY

Cathro, R.J. (1983), Summary Report on Mineral Occurrences and Geology of the Iskut Property, Apex Energy Corp. (private company report).

Geological Survey of Canada (1956), Map No. 9-1957: Operation Stikine.

Grove, E.W. (1986), Geology and Mineral Deposits of the Unuk River - Salmon River - Anyox Area.

Kerr, F.A. (1929), Map 311-A, Stikine River Area, Cassiar District.

STATEMENT OF EXPENDITURES

1. PREFIELD EXPENSES			
(Crew assembly, prepare maps, program planning, order maps, equipment) - share:			
Project Supervisor 0.25 days @ $375	$ 93.75		
Project Geologist 0.25 " @ $325	81.25		
Supplies, Reproductions	130.56	$	305.56
2. TRANSPORTATION			
Mobilization-Demobilization (airfare, hotel & misc. expenses)	1,445.87		
Northern Mountain Helicopters, 4.35 hrs @ $580.56	2,525.44		
Central Mountain Air	566.03		
Share of Airstrip Construction	5,000.00		9,537.34
3. SALARIES AND CAMP SUPPORT			
Project Supervisor 1.80 days @ $375	675.00		
Project Geologist 3.23 " @ 325	1,049.75		
Prospectors 11.66 " @ 250	2,915.00		
Samplers 14.43 " @ 175	2,525.25		
Camp Support 30.63 " @ 85	2,603.55		9,768.55
4. ASSAYS & ANALYSES			
352 soil, silt, rock and heavy mineral samples			3,026.54
5. MISCELLANEOUS			
(Disposable supplies, xerox, expediting, radio rental, courier, freight, etc.)			1,298.63
6. POST-FIELD EXPENDITURES			
Project Geologist 4.1 days @ $325	1,332.50		
Drafting 16.5 hrs @ $24.20/hr	399.30		
Printing Maps	98.83		
Copying & Binding Reports	105.00		
Computer/Secretarial 3.5 hrs @ $20	70.00		2,005.63
T O T A L		$	25,942.25

STATEMENT OF QUALIFICATIONS

I, Michael J. BURSON, of 7357 Celista Drive, Vancouver, British Columbia, do hereby certify that:

1. I am a Consulting Geologist with the firm of Taiga Consultants Ltd., with offices at #800 - 900 West Hastings Street, Vancouver, B.C. V6C 1E5.

2. I have attained a B.Sc. (Hons.) from the Faculty of Earth Sciences, University of Waterloo, in 1975.

3. I have practiced my profession continuously since graduation.

4. I am a Fellow of the Geological Association of Canada (F-5220).

5. I have done, or caused to be done, the work described within this report.

6. I have not received nor do I expect to receive any interest in the property described herein, nor in the securities of Ascot Resources Ltd. in respect of services rendered.

Dated at Vancouver, British Columbia, this 31st day of October, 1987.

M. J. Burson, B.Sc., F.G.A.C.

CERTIFICATE

I, Lawrence John Nagy, of 3020 Abbott St., in the City of Kelowna in the Province of British Columbia, do hereby certify that:

1. I am a Consulting Geologist with the firm of L.J. Nagy and Associates Inc., with offices at 201 - 1433 St.Paul Street, Kelowna, British Columbia.

2. I am a graduate of the Faculty of Arts and Science, University of Saskatchewan, B.A. Geol.Sci. (1969).

3. I have practiced my profession worldwide, continuously since graduation, including 14 years as a Senior Project Geologist with Cominco Ltd.

4. I am a Fellow in good standing in the Geological Association of Canada.

5. I have done, or caused to be done, the work described within this report.

6. Other sources of information supplied in this report include data from published material, including assessment files, and from my own experience gained from involvement in several major exploration programs conducted in the Iskut - Stikine River areas, beginning in 1965-66.

7. I have not received, nor do I expect to receive, any interest (direct, indirect, or contingent) in the properties described herein, nor in the securities of Ascot Resources Ltd. in respect of services rendered in the preparation of this report.

DATED at Vancouver, British Columbia, this 31st day of October, A.D. 1986.

L.J. Nagy, B.A.Geol.Sci., F.G.A.C.

PERMIT TO PRACTICE
TAIGA CONSULTANTS LTD.
Signature
Date Nov. 13, 1987
PERMIT NUMBER: P 2399
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

APPENDIX I

G E O C H E M I C A L R E S U L T S

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 127-4232 | PROJECT: KBC-7 | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB
S1 ARL-0006-HM ✓		105	2	54	<0.1	15
S1 ARL-0007-HM ✓		18	4	29	<0.1	580
T1 ARL-0006-S ✓		113	3	51	0.1	75
T1 ARL-0007-S		26	3	33	<0.1	<5

TERRAMIN RESEARCH LABS LTD.

Job#: 87-288-A
SNIP Project

	Sample Number	Au ppb	Ag ppm
Soil	AR 1304	28	0.60
	1305	36	0.37
	1306	2	0.61
	1307	4	0.30
	1308	6	0.23
	1309	46	0.20
	1310	2	0.28
	1311	6	0.55
	1312	4	0.41
	1313	30	0.35

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JOB#: 87-288-B

	Sample Number	Au ppb	Ag ppm
Rock	AR 6223	4	0.26
	6224	2	0.09
	6225	2	0.07
	6226	4	0.04
	6227	8	0.09
	6228	4	0.10
	6229	10	0.38

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TERRAMIN RESEARCH LABS LTD.

Job#: 87-288-C SNIP Project	Sample Number	Au ppb	Ag ppm
Silt	AR 259	12	0.63
	260	42	0.59
	261	32	0.52
	262	22	0.40
	1314	4	0.22
	1315	2	0.19
	1316	2	0.20
	1317	4	0.19
	1318	6	0.18
	1319	2	0.18
	1320	2	0.20

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Job#: 87-304

	Sample Number	Au ppb	Ag ppm
Rock			
AR	6253	8	0.03
	6254	6	0.03
	6255	6	0.03
	6256	14	0.02
	6257	6	0.06

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J#: 87-305 Sample Number

		Au ppb	Ag ppm
Soil	AR 1428	2	0.11
	1429	2	0.06
	1430	4	0.07
	1431	8	0.06
	1432	8	0.15
	1433	6	0.10
	1434	6	0.07
	1435	4	0.10
	1436	4	0.13
	1437	4	0.11
	1438	4	0.10
	1439	4	0.32
	1440	2	0.40
	1441	2	0.28
	1443	2	0.12
	1444	2	0.08
	1445	4	0.09
	1446	4	0.10
	1447	8	0.12
	1448	8	0.16
	1449	2	0.12
	1450	2	0.20
	1451	6	0.19
	1452	4	0.06
	1453	2	0.33
	1454	2	0.03
	1455	2	0.08
	1456	2	0.04
	1457	2	0.16
	1458	2	0.16
	1459	4	0.32
	1460	2	0.08

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Job #: 87-305

	Sample Number	Au ppb	Ag ppm
Soil	AR 1461	4	0.33
	1462	8	0.11
	1463	2	0.20
	1464	2	0.12
	1466	4	0.34
	2451	6	0.13
	2452	4	0.24
	2453	14	0.30
	2454	2	0.40
	2456	2	0.32
	2457	2	0.25
	2459	6	0.40
	2460	2	0.36
	2461	4	0.24
	2463	2	0.28
	2464	4	0.14
	2465	4	0.26
	2467	2	0.24
	2468	2	0.32
	2469	8	0.12
	2470	6	0.16
	2471	6	0.20
	2472	14	0.22
	2473	8	0.12
	2474	10	0.67
	2475	4	0.76

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Job#: 87-305	Sample Number	Au ppb	Ag ppm
Silt / Sed	AR 385	14	0.17
	386	16	0.16
	387	8	0.12
	388	14	0.15
	389	42	0.14
	390	8	0.16
	391	18	0.23
	392	2	0.10
	393	12	0.19
	394	6	0.11
	395	26	0.25
	396	44	0.25
	397	6	0.20
	398	24	0.28
	399	140	0.28
	400	122	0.26
	401	4	0.19
	402	2	0.16
	403	184	0.24
	404	22	0.14
	405	8	0.19
	406	6	0.48
	407	44	0.24
	408	208	0.23
	409	6	0.25
	410	8	0.36
	411	4	0.16
	412	56	0.24
	413	4	0.26
	414	104	0.31
	415	52	0.28
	416	60	0.22
	417	200	0.32
	418	66	0.21
	419	2	0.17
	420	36	0.37
	421	26	0.21
	422	8	0.32
	423	24	0.29
	2455	4	0.15

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Job#: 87-305

	Sample Number	Au ppb	Ag ppm
SILT	AR 2458	2	0.24
	2462	2	0.32

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Prj: 87-324-A "SNIP"	Sample Number	Au ppb	Ag ppm
Rock	AR 6258	4	13.3
	6259	6	2.60
	6260	2	1.41
	6261	2	0.60
	6262	34	0.58
	6263	4	0.40
	6264	2	0.29
	6265	2	0.21
	6266	2	0.26
	6267	2	0.19
	6268	4	0.15
	6269	2	0.15
	6270	4	0.16
	6271	8	0.63
	6272	4	0.17
	6273	30	0.28
	6274	6	0.17
	6275	4	0.17
	6276	14	0.12
	6277	4	0.08
	6278	8	0.09
	6279	6	0.06
	6280	4	0.06
	6281	6	0.05
	6282	8	0.08
	6283	6	0.06
	6284	6	0.11
	6285	2	0.15
	6286	6	0.13
	6287	2	0.11
	6288	24	0.09
	6289	4	0.07
	6290	2	0.38
	6291	64	6.80
	6292	8	0.17
	6293	6	0.18
	6294	4	0.15
	6295	12	0.15
	6296	16	0.45
	6297	6	0.14

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: 87-324-A

	Sample Number	Au ppb	Ag ppm	Ag oz/ton
Rock	AR 6298	22	0.11	
	6299	14	0.10	
	6300	2	0.09	
	6301	12	0.17	
	6302	2	0.10	
	6303	6	0.09	
	6304	12	1.65	
	6305	24	0.17	
	6306	312	0.96	
	6307	64	0.65	
	6308	18	0.27	
	6309	18	0.14	
	6310	8	0.12	

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Job#:87-324-B "SNIP"	Sample Number	Au ppb	Ag ppm
Silt	AR 1465	6	0.15
	1467	4	0.18
	1468	4	0.12
	1469	2	0.12
	1470	4	0.18
	1471	2	0.17
	1472	4	0.20
	1473	4	0.20
	1474	6	0.18
	1475	4	0.14
	1476	8	0.24
	1477	26	0.18
	1478	4	0.14
	1479	4	0.30
	1480	4	0.18
	1481	8	0.16
	1483	8	0.22
	1484	4	0.20
	1485	4	0.24
	1486	8	0.14
Soil	AR 0445	8	0.30
	446	34	0.37
	447	24	0.29
	448	10	0.13
	449	92	0.10

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Job#:87-324-B

Sample Number			Au ppb	Ag ppm
Soil	AR	450	4	0.11
		451	2	0.17
		452	4	0.12
		453	2	0.06
		454	2	0.10
		455	6	0.14
		456	8	0.11
		457	2	0.12
		458	4	0.08
		459	2	0.05
		460	4	0.11
		461	2	0.11
		462	2	0.20
		463	2	0.11
		464	2	0.11
		465	2	0.05
		466	4	0.05
		467	2	0.12
		468	4	0.11
		469	2	0.17
		470	4	0.06
		471	2	0.05
		472	2	0.12
		473	2	0.05
		474	2	0.09
		475	2	0.05
		476	4	0.07
		477	2	0.05
		478	2	0.12
		479	4	0.05
		480	2	0.14
		481	18	0.26
		482	4	0.32
		483	4	0.24
		1487	2	0.13
		1488	4	0.11
		1489	8	0.08
		1490	4	0.24
		1491	4	0.14
		1492	4	0.12

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Job#:87-324-B	Sample Number	Au ppb	Ag ppm
Soil	AR 1493	4	0.20
	1494	8	0.06
	1495	4	0.08
	1496	4	0.08
	1497	4	0.02
	1498	4	0.02
	1499	8	0.04
	1500	4	0.12
	1501	4	0.10
	1502	4	0.12
	1503	4	0.10
	1504	8	0.06
	1505	8	0.24
	1506	4	0.10
	1507	4	0.04
	1508	4	0.02
	1509	4	0.14
	1510	4	0.10
	1511	8	0.08
	1512	4	0.02
	1513	4	0.02
	1514	8	0.12
	1515	4	0.14
	1516	28	0.20
	1517	4	0.22
	1518	4	0.22
	1519	24	0.24
	1520	8	0.22
	1521	8	0.20
	1522	8	0.14
	1523	26	0.07
	1524	2	0.13
	1525	4	0.15
	1526	2	0.06
	1527	2	0.11
	1528	2	0.11
	1529	2	0.03
	1530	2	0.05
	1531	2	0.08
	1532	4	0.06

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(403) 250-9460

Job#:87-324-B	Sample Number	Au ppb	Ag ppm
Soil	1533	2	0.12
	2521	2	0.07
	2522	4	0.22
	2523	4	0.10
	2524	4	0.08
	2525	4	0.08
	2526	4	0.28
	2527	4	0.02
	2528	4	0.26
	2529	4	0.38
	2530	10	0.35
	2531	16	0.46
	2532	2	0.32
	2533	4	0.20
	2534	2	0.10
	2535	4	0.06
	2536	2	0.31
	2537	4	0.20
	2538	2	0.32
	2539	4	0.38
	2540	6	0.08
	2541	2	0.23
	2542	4	0.14
	2543	2	0.08
	2544	2	0.18
	2545	4	0.16
	2546	2	0.09
	2547	8	0.08
	2548	2	0.12
	2549	10	0.14
	2550	4	0.28
	2551	2	0.42
	2552	2	0.53
	2553	18	1.72

14 - 2235 30th Ave. N.E., Calgary, Alberta, T2E 7C7
(403) 250-9460

Job: 87-371

Sample	Number	Au ppb	Ag ppm
Soil	AR-9049	2	0.10
	9050	2	0.12
	9053	4	0.18
	9054	4	0.14
	9055	10	0.12
	9056	2	0.14
	9057	2	0.10
	9058	2	0.16
	9059	192	4.80
	9060	8	0.10
	9061	6	0.10
	9062	2	0.08
	9063	2	0.10

14 - 2235 30th Ave. N.E., Calgary, Alberta, T2E 7C7
(403) 250-9460

APPENDIX II

ROCK DESCRIPTIONS

ROCK SAMPLE DESCRIPTIONS: ASCOT RESOURCES

SAMPLE #	NORTHING/EASTING		DESCRIPTION	COMMENTS
AR 5102 R	81.17	62.08	Rusty zones and strong pyrite along fractures within an interbedded calc-silicate and pelitic hornfels. The total zone is roughly 5 metres wide, but the pyrite mineralization is very sporadic and fracture-controlled.	
AR 6223 R	84.26	60.27	Intrusive, coarse grained, Fe-staining, sulphides (pyrite, chalcopyrite) <2%, subhedral, quartz, K-feldspar, trace hornblende. In contact with argillaceous limestone, intruded along bedding, also associated with mafic intrusive.	
AR 6224 R	84.12	60.41	Diorite, plagioclase, horneblende, slightly magnetic; sulphides (pyrite arsenopyrite) <1%, epidote, hematite <<1%, some chlorite alteration, some phenocrysts of plagioclase <5%, medium grained, Fe-staining;	
AR 6225 R	84.13	60.47	- as above, coarser grained, more plagioclase phenocrysts, diorite;	
AR 6226 R	84.06	60.66	- as above, epidote stringers, sulphides less visible, diorite;	
AR 6227 R	84.05	60.72	- as above, finer grained, no phenocrysts, equigranular, diorite;	
AR 6228 R	84.06	60.80	- as above, coarser grained, slightly more mafic, diorite;	
AR 6229 R	84.09	60.92	Diorite, medium grained, sulphides <3% (chalcopyrite and pyrite), highly Fe-stained.	Associated with creek lineament.

ROCK SAMPLE DESCRIPTIONS: ASCOT RESOURCES

SAMPLE #	NORTHING/EASTING		DESCRIPTION	COMMENTS
AR 6253 R	83.12	63.34	Lapilli tuff, fine grained, light to dark green fresh surface, quartz eyes (?) (parts of outcrop medium grained); major Fe- staining, veins of calcite alteration, calcite crystals (subhedral), trace hornblende, sulphides (pyrite) <2%.	No visible bedding, Fe-staining along jointing * marked with "EB" in field.
AR 6254 R	83.10	63.37	Lapilli tuff, fine to medium-grained, non-magnetic, galena <<1% along jointing, Fe-staining along fracture, minor chlorite alteration; pyrite <1%, disseminated.	Marked as "EB" in field, bedding visible.
AR 6255 R	83.06	63.56	Lapilli tuff, fine to medium grained, minor chlorite alteration, devitrified glass, minor Fe-staining, dark green on fresh surface, minor crystal faces.	Outcrop parallel to creek trend
AR 6256 R	83.25	63.55	- as above, associated with shear (?).	
AR 6257 R	83.40	63.50	Tuff (silicified), fine grained, light green fresh surface, no calcite alteration, slight epidote alteration, minor sulphides <1% along bedding (?), minute crystals <<1mm, pyrite (?), pods (<1mm) of arsenopyrite (?).	
AR 6258 R	83.45	63.50	Medium grained, intrusive texture, plagioclase, minor hornblende and quartz, diorite; sulphides (pyrite) <<1%, no visible alteration, minor Fe-staining.	Stringer of diorite
AR 6259 R	83.50	63.52	Tuff (silicified); no calcite alteration, fine grained, light soapy green color on fresh surface, Fe-staining along fractures, visible bedding on weathered surface, quartz vein along bedding, hornblende associated with quartz veining.	Hydrous phase (hb) indicated.

ROCK SAMPLE DESCRIPTIONS: ASCOT RESOURCES

SAMPLE #	NORTHING/EASTING		DESCRIPTION	COMMENTS
AR 6260 R	83.61	63.59	Hornblende diorite porphyry, porhyroblasts of hornblende <1.5mm, intruded by quartz vein, hornblende in the quartz; light green matrix - clay altered(?), minor Fe-staining, no visible sulphides.	
AR 6261 R	83.66	63.62	Tuff, fine grained, good cleavage, major Fe-staining, devitrified glass, minor sulphide <<1% (pyrite ?).	
AR 6262 R	83.70	63.62	Fine grained tuff, sulphides <2% (arsenopyrite) along bedding(?), major Fe-staining, silicified.	
AR 6263 R	82.73	62.03	Fine grained, volcanic tuff, visible bedding, mafic to intermediate, distinct jointing, some crystal faces, gossan staining parallel to bedding, alternating beds of fine grained to medium grained; no visible sulphides, conchoidal fractures.	Non-calcareous
AR 6264 R	82.71	62.30	Felsic tuff, medium grained, minor gossan staining, volcanic, crystal faces, quartz eyes in weathered surface, non-calcareous, non-magnetic; sulphides <1% (pyrite, arsenopyrite).	
AR 6265 R	82.76	62.46	Intermediate tuff, medium grained, trace sulphides <<1% (arsenopyrite?), Fe-staining along joints; quartz eyes, bedding (?).	
AR 6266 R	82.84	62.66	Lapilli tuff, quartz eyes, coarse grained, no visible sulphides, crystal faces, non-calcareous.	
AR 6267 R	82.90	62.88	Tuff to lapilli tuff, fine grained, intermediate, visible bedding, beds of coarser grained, minor Fe staining, no visible sulphides.	

ROCK SAMPLE DESCRIPTIONS: ASCOT RESOURCES

SAMPLE #	NORTHING/EASTING		DESCRIPTION	COMMENTS
AR 6268 R	82.96	63.07	Volcanic, tuff(?), fine grained, epidote alteration (minor), minor Fe-staining, light green on fresh surface, silicified; sulphides <<1%.	
AR 6269 R	82.99	63.16	Interbedded fine to medium grained tuff, volcanic fragments, volcanic, bedded, pods of sulphides <1% (pyrite, pyrrhotite); intermediate, minor Fe-staining.	
AR 6270 R	83.06	63.40	Intermediate, medium grained, volcanic, volcanic fragments, tuff.	
AR 6271 R	80.70	61.82	Gossan stringers along joints, aplite stringers associated with granodiorite, granodiorite stringers, coarse to medium grained, recrystallized; bedding(?) present, calc-silicate with interbedded mudstone, mudstone usually gossan stained; calc-silicate, white with faint green in fresh surface, small crystals of diopside, some sericite/talc(?); non-magnetic, mudstone is magnetic due to pyrrhotite(?); sulphides <5% (pyrite, pyrrhotite), sulphides secondary, subhedral crystals, areas of high silica, $\pm$ chalcopyrite.	Good sulphides.
AR 6272 R	80.72	61.85	Granodiorite, magnetite, hornblende, quartz, plagioclase, no visible sulphides, xenolith of more intermediate composition, diorite (?); foliation parallel to contact, horizontal contact.	
AR 6273 R	81.52	62.67	Silicified calcareous mudstone, quartz along fractures, anhedral crystals of pyrite <1% (<0.5mm), slightly silicified, mafic to intermediate, minor Fe-staining, bedding present.	

ROCK SAMPLE DESCRIPTIONS: ASCOT RESOURCES

SAMPLE #	NORTHING/EASTING		DESCRIPTION	COMMENTS
AR 6274 R	81.56	62.68	Quartz (15-20%), pyroxene (5%), biotite (5%), plagioclase to hornblende, quartz-chlorite, stringer 1.0 m wide, intrudes mudstone, no visible sulphides.	
AR 6275 R	81.86	63.02	Chlorite alteration, siliceous, minor sulphides, magnetic, magnetite, pyrite ± pyrrhotite, mafic rock, generally fine grained to lapilli tuff; minor gossan staining, quartz eyes, volcanic breccia also observed, volcanic fragments in chlorite.	Outcrop chip-sampled up cliff, several lithologies are represented.
AR 6276 R	83.71	63.59	Major gossan staining, tuff (lapilli), non-magnetic, <3% pyrite and chalcopyrite, sulphides staining.	Good sulphides
AR 6277 R	82.42	63.19	Lapilli tuff, sulphide <1% along joints, slightly calcareous, arsenopyrite, (<1mm) devitrified glass, minor Fe-staining, fine to coarse-grained layers, volcanic textures (crystal faces), quartz along joints with sulphides.	
AR 6278 R	82.49	63.20	Volcanic textures, volcanic fragments, medium grained, stringers of calcite in fractures, lapilli tuff, quartz eyes, no visible sulphides, bedding present;	
AR 6279 R	82.65	63.31	- as above, associated with shear, Fe-staining;	
AR 6280 R	82.78	63.42	Intrusion, subparallel to bedding, hornblende and feldspar phenocrysts, slightly calcareous, sulphides <<1% (pyrite), 1 m wide, intermediate, diorite porphyry.	
AR 6281 R	82.77	63.50	Fine grained, intermediate tuff, minor arsenopyrite, minor Fe-staining, associated with shear perpendicular to creek; volcanic fragments, elongated;	Talus sample

ROCK SAMPLE DESCRIPTIONS: ASCOT RESOURCES

SAMPLE #	NORTHING/EASTING		DESCRIPTION	COMMENTS
AR 6282 R	82.89	63.91	- as above, lapilli tuff.	
AR 6283 R	83.13	63.02	Lapilli tuff, minor calcite, minor Fe-staining, intermediate, light green on fresh surface, medium grained, soft, bedding present, crystal faces, volcanic textures, no visible sulphides.	Bedding may be a shear plane (?)
AR 6284 R	83.39	62.90	Plagioclase and hornblende, intermediate, medium grained, intrusive, diorite, no visible sulphides, minor Fe-staining.	
AR 6285 R	83.35	62.81	Visible bedding, argillaceous tuff (interbedded mudstone), minor Fe-staining, fine grained layers; sulphides (pyrite) <<1%, mafic, non-calcareous, non-magnetic.	In contact with diorite intrusion.
AR 6286 R	83.37	62.79	Diorite, sulphide pods <3% pyrite, slightly calcareous, minor Fe-staining, in contact with tuff, non-magnetic.	
AR 6287 R	83.40	62.34	Calcareous, lapilli tuff, pods of gossan, non-magnetic, bedding present.	In rock chutes, talus.
AR 6288 R	83.45	62.33	Magnetic (slightly), volcanic fragments, breccia tuff, chlorite alteration, intermediate; sulphide along fracture, <2% (pyrite), minor Fe-staining, non-calcareous.	
AR 6289 R	83.54	62.31	"Hornblende tuff", intrusive, porphyroblasts of hornblende, euhedral, plagioclase in groundmass, slightly saussuritized; non-calcareous, non-magnetic, no visible sulphides, no Fe-staining.	Evidence for intrusive found in boulders with contact, intrudes argillaceous tuff.

ROCK SAMPLE DESCRIPTIONS: *ASCOT RESOURCES*

SAMPLE #	*NORTHING/EASTING*		*DESCRIPTION*	*COMMENTS*
AR 6290 R	*84.25*	*62.01*	*Calc-silicate, bedded, sulphides associated with gossan staining, non-magnetic, recrystallized, minute crystals of pyrite and arsenopyrite (?) <1%.*	
AR 6291 R	*81.84*	*60.65*	*Non-calcareous, hard (6), finely bedded, flattened volcanic fragments, devitrified glass; sulphides <2%, disseminated pyrite, gossan.*	
AR 6292 R	*81.84*	*60.72*	*Highly magnetic, gossan altered, granodiorite, plagioclase, hornblende, biotite, ± pyroxene, ± quartz, subhedral pyrite <3%, disseminated.*	*In contact with carbonates.*
AR 6293 R	*81.85*	*60.69*	*Granodiorite, fine grained, intruded into limestone; plagioclase, hornblende (small, subhedral), quartz ± pyroxene, Fe-staining, magnetic, (magnetite?), no visible sulphides.*	*Interfingering limestone and granodiorite.*
AR 6294 R	*81.86*	*60.87*	*Non-magnetic, gossan altered, altered diorite, hornblende, plagioclase, biotite; sulphides <2% (pyrite, pyrrhotite), subhedral.*	
AR 6295 R	*81.95*	*61.06*	*Quartz, plagioclase, phenocrysts of hornblende, magnetic, Fe-staining, biotite, muscovite, hornblende granodiorite porphyry, no visible sulphides.*	
AR 6296 R	*81.99*	*61.12*	*Gossan stain granodiorite, minute crystals of pyrite <3%, minor sulphur staining.*	
AR 6297 R	*82.03*	*61.22*	*Granodiorite, gossan stained, highly fractured rock, sheared (?), sulphur crystals and staining, disseminated sulphides, pyrite <1%.*	

ROCK SAMPLE DESCRIPTIONS: ASCOT RESOURCES

SAMPLE #	NORTHING/EASTING		DESCRIPTION	COMMENTS
AR 6298 R	82.09	61.51	Tuff (?), devitrified glass, highly fractured rock, shear (?), minor biotite and muscovite, stringer of granodiorite; sulphide (traces) <<1% (pyrite?).	Possibly a mafic intrusion, lamprophyre.
AR 6299 R	82.28	61.62	Argillaceous tuff, slightly magnetic, interbedded tuff and mudstone, veins of magnetite along fractures; sulphides <1% [pyrite, pyrrhotite (?)], magnetic; minor Fe-staining, pods of non-magnetic crystals, garnet.	
AR 6300 R	82.28	62.00	Argillaceous tuff, gossan stained along bedding, pyrite <3%, slightly magnetic.	
AR 6301 R	82.75	61.78	Gossan stained, argillaceous tuff associated with shear (?), disseminated sulphides <3%, minute crystals <<1 mm, subhedral, primmary, pyrite, pyrrhotite (?) $\pm$ chalcopyrite.	Talus
AR 6302 R	82.35	61.64	Diorite, fine to medium grained, some hornblende phenocrysts, minor sulphides, minor Fe-staining, stringers of epidote along jointing planes, aplite stringers associated with granodiorite; euhedral pyrite <1%; arsenopyrite anhedral <1%.	In contact with interbedded mudstone and tuff.
AR 6303 R	82.39	61.60	Contact between diorite and mudstone, fine grained, bedded mudstone, alternating layers of green and black (chlorite), minor Fe-staining, diorite with phenocrysts of plagioclase; no visible sulphides.	Diorite intrudes sediments.
AR 6304 R	82.55	61.48	Gossan in mudstone, minor sulphides (pyrite, arsenopyrite, chalcopyrite) <3%; heavy Fe-staining, parallel to bedding, silicified.	

ROCK SAMPLE DESCRIPTIONS: ASCOT RESOURCES

SAMPLE #	NORTHING/EASTING		DESCRIPTION	COMMENTS
AR 6305 R	82.66	61.36	Interbedded mudstone and tuff, slightly magnetic, minor Fe-staining, convoluted bedding, minor chlorite (?) alteration, no visible sulphides.	Tuff, fine grained, mafic.
AR 6306 R	82.73	61.32	Silicified mudstone, gossan, minor disseminated sulphides, pyrite <1%, bedding apparent, subparallel to bedding, clay alteration, non-magnetic;	Evidence for introduction of fluids.
AR 6307 R	82.82	61.30	- gossan in mudstone, as above;	20 m long, 5 m wide.
AR 6308 R	83.00	61.32	- gossan in mudstone, as above; devitrified glass, pyrite <2%, minute subhedral crystals, disseminated, magnetic (slightly), veins of rusty quartz.	
AR 6309 R	83.10	61.35	Hornblende diorite porphyry, intermediate to mafic (depending on hornblende), sulphides <2% (pyrite chalcopyrite - <1mm, hematite); minor Fe-staining, slightly magnetic, non-calcareous.	Small plug
AR 6310 R	83.24	61.40	Tuff, gossan, major Fe-staining, elongated disseminated anhedral crystals of pyrite <2%, shear (?).	Covers a large area of cliff (approx. 50 m).

360,000 m. E.

61

62

63

64

65

6285,000 m. N.

84

83

82

81

RIVER

CRAIG

RAVEN CREEK

MT. RAVEN

ROB 9

ROB 7

ROB 8

ROB 6

500

1000

1500

2000

2500

3000

3500

4000

4500

5000

5500

4857'

N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,960

- AR-1065 Soil Sample
- AR-0423-S Silt Sample
- AR-6276-R Rock Sample
- AR-0598-HM Heavy Mineral Sample
- Claim Boundary
- 1500 Contours - Elevations in Feet (Interval 500')
- Extent of Glaciers
- Tree-Line

ASCOT RESOURCES LTD.

SOIL, SILT, ROCK, HEAVY MINERAL
GEOCHEMISTRY
SAMPLE LOCATIONS

DATE: NOVEMBER, 1987	NTS: LIARD M.D. 104 B/11
PROJECT: KBC-10	DRAWN BY: M.J.B.
SCALE: 1:10,000	0 250 500m
TAIGA CONSULTANTS LTD	MAP: 1

360,000 m. E.

61

62

63

64

65

6285,000 m. N.

84

83

82

81

RAVEN CREEK

CRAIG RIVER

MT. RAVEN

ROB 9

ROB 7

ROB 8

ROB 6

500

1000

1500

2000

2500

3000

3500

4000

4500

5000

5500

4857'

N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,960

- Soil Sample
- Silt Sample
- Rock Sample
- Heavy Mineral Sample: ☐ Au, Ag, Cu, Pb, Zn -10+80 mesh ☐ -80 mesh
- Claim Boundary
- —1500— Contours - Elevations in Feet (Interval 500')
- Extent of Glaciers
- Tree-Line

ASCOT RESOURCES LTD.

SOIL, SILT, ROCK, HEAVY MINERAL
GEOCHEMISTRY
Au (ppb)

DATE: NOVEMBER, 1987	NTS: LIARD M.D. 104 B/11
PROJECT: KBC-10	DRAWN BY: M.J.B.
SCALE: 1:10,000	0 250 500m
TAIGA CONSULTANTS LTD	MAP: 2

360,000 m. E. 61 62 63 64 65

6285,000 m. N. 84 83 82 81

CRAIG RIVER

RAVEN CREEK

ROB 9 ROB 7 ROB 8 ROB 6

MT. RAVEN

500 1000 1500 2000 2500 3000 3500 4000 4500 5000

4857'

N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,960

- Soil Sample
- Silt Sample
- Rock Sample
- Heavy Mineral Sample: -10+80 mesh □ -80 mesh
- Claim Boundary
- 1500 Contours - Elevations in Feet (interval 500')
- Extent of Glaciers
- Tree-Line

ASCOT RESOURCES LTD.

SOIL, SILT, ROCK, HEAVY MINERAL
GEOCHEMISTRY
Ag (ppm)

DATE: NOVEMBER, 1987	NTS: LIARD M.D. 104 B/11
PROJECT: KBC-10	DRAWN BY: M.J.B.
SCALE: 1:10,000	0 250 500m
TAIGA CONSULTANTS LTD	MAP: 3

360,000 m. E.

61 62 63 64 65

6285,000 m. N.

84 83 82 81

RAVEN CREEK

CRAIG RIVER

MT. RAVEN

ROB 9 ROB 7 ROB 8 ROB 6

1b 2b 3 1a 2a

500 1000 1500 2000 2500 3000 3500 4000 4500 5000

N

LEGEND

1a	LIMESTONE: Thin-Bedded to Massive, Usually Argillaceous. May Contain Minor Interbeds of Calcareous Mudstone and Fine-Grained Mafic Tuff.
1b	CALC-SILICATE HORNFELS: With Minor Interbedded Mudstone. Aplite and Granodiorite Stringers are Common Along Fractures.
2a	GRANODIORITE: Fine to Medium-Grained, Homogenous.
2b	DIORITE: Medium-Grained, Slightly Magnetic, Younger than Granodiorite.
3	VOLCANICLASTICS: Mafic Tuff and Lapilli Tuff with Thin Interbeds of Mudstone or Fine-Grained Ash Tuff.

SYMBOLS

- Bedding Orientation.
- Foliation.
- Cleavage.
- Quartz Vein.
- Jointing.
- Claim Boundary.
- Contours - Elevations in Feet (Interval 500').
- Extent of Glaciers.
- Tree-Line.
- Shear Zone.
- Outcrop - Large, Small.
- Geological Contact.
- Gossan.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,960

ASCOT RESOURCES LTD.

GEOLOGY

DATE: NOVEMBER, 1987	NTS: LIARD M.D. 104 B/11
PROJECT: KBC-10	DRAWN BY: M.J.B.
SCALE: 1:10,000	0 250 500m
TAIGA CONSULTANTS LTD	MAP: 4