GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

STORY 7 CLAIM

NTS 104B\9W

Latitude 56° 36' Longitude 130° 24'

Skeena Mining Division

By

Henry Marsden
D.L. Kuran

Property Owner: Ecstall Mining Corp.

Property Operator: Homestake Canada Inc.

November 1993

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SUMMARY

The Story 7 claim is located on the east side of the Unuk River, 75 km NNW of Stewart and 8 km SSE of the Eskay Creek exploration camp. The property consists of one, 20 unit mineral claim having an actual surface area slightly under 15 units due to overstaking. The Story 7 claim is owned by Ecstall Mining Corporation of Vancouver B.C. and is presently under option to Prime Resources Group Inc. The 1993 project was operated by Homestake Canada Inc. The work program was logistically supported from the Homestake Eskay Creek camp.

The claim is underlain by northeast striking, steeply dipping volcanic and sedimentary lithologies. This stratigraphic package is included within the volcanic rocks of the upper Hazelton Group of rocks of Jurassic age, which forms part of the Stikine Arch. On the property, this stratigraphy is slightly overturned, west younging, and occurs on the eastern limb of a regional scale syncline.

The lithologies underlying the claim consist of dacitic fragmentals and massive to vesicular flows which form part of a regional scale marker sequence. These are overlain by rhyolite flows and tuffs which are in turn overlain by black marine clastic sediments. These laminated, tuffaceous mudstones have been assigned to the upper Salmon River formation, similar to that which hosts the 21B deposit at Eskay Creek.

The 1993 work program consisted of: base line cutting, 1:5000 scale geological mapping, grid and contour soil sampling and rock chip sampling. No significant mineralization was found or indicated to be hosted within the claim.

1. INTRODUCTION

The Story 7 claim was optioned by Prime resources Group Inc. from Ecstall Mining Corp. in order to evaluate the potential for the claims to host significant precious metal mineralization; either as Eskay-type exhalative mineralization or as epigenetic precious metal mineralization. The claims have had no previous work and the claim area was covered by a wide spaced grid. The grid area was mapped at 1:5000 scale and soil samples were collected at 50 m intervals along 200 m spaced lines.

2.0 CLAIM STATUS

The Story 7 claim consist of a single 20 unit claim. The claim overlaps with adjacent properties and the effective area of the claim is less than 15 units, roughly 370ha (see Fig. 2.1). The claims are 100% owned by Ecstall Mining Corp. and are under option to Prime Resources Group Inc.

Story 7	Rec No. 253036	Due date:	August 25, 1993
	After filing 1993 Work:		August 25, 1998

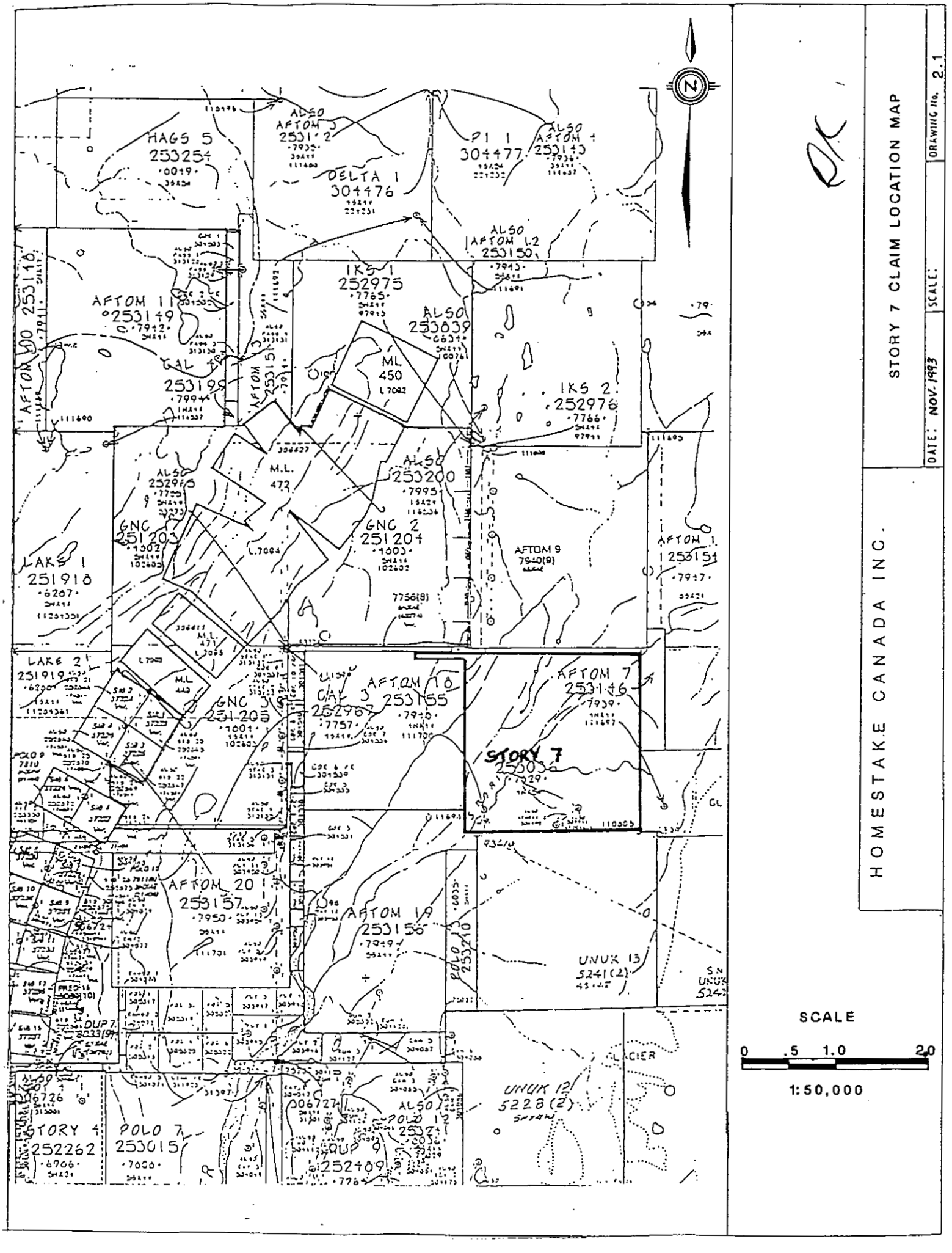
3.0 LOCATION AND ACCESS

The Story claims are located in northwestern British Columbia within the Skeena Mining Division on NTS map 104B\09W. The claims are centred at latitude 56° 36' N, longitude 130° 24' W. The property is located 40 km SW of Bell II on the Stewart Cassiar highway and can only be accessed via helicopter (0.3 hrs). During the 1993 field season the property was accessed via helicopter from the Eskay Creek exploration camp located 5 km to the northwest of the Story 7 claim (Fig. 3.1.).

4.0 PHYSIOGRAPHY AND VEGETATION

The Story 7 claim is located in an area of rugged terrain located at low elevations in the Unuk River valley. The property covers a steep northwest facing slope with elevations ranging from 2000 feet in Storie Creek to 4200 feet on the ridgeline. The slope consists of numerous short bluffs and talus slopes overgrown by alder and broadleaf vegetation. The lower slope below the baseline at 2200 feet is partially covered by mature timber.

The climate is wet and the property is free of snow cover from early June through early October.



HOMESTAKE CANADA INC.

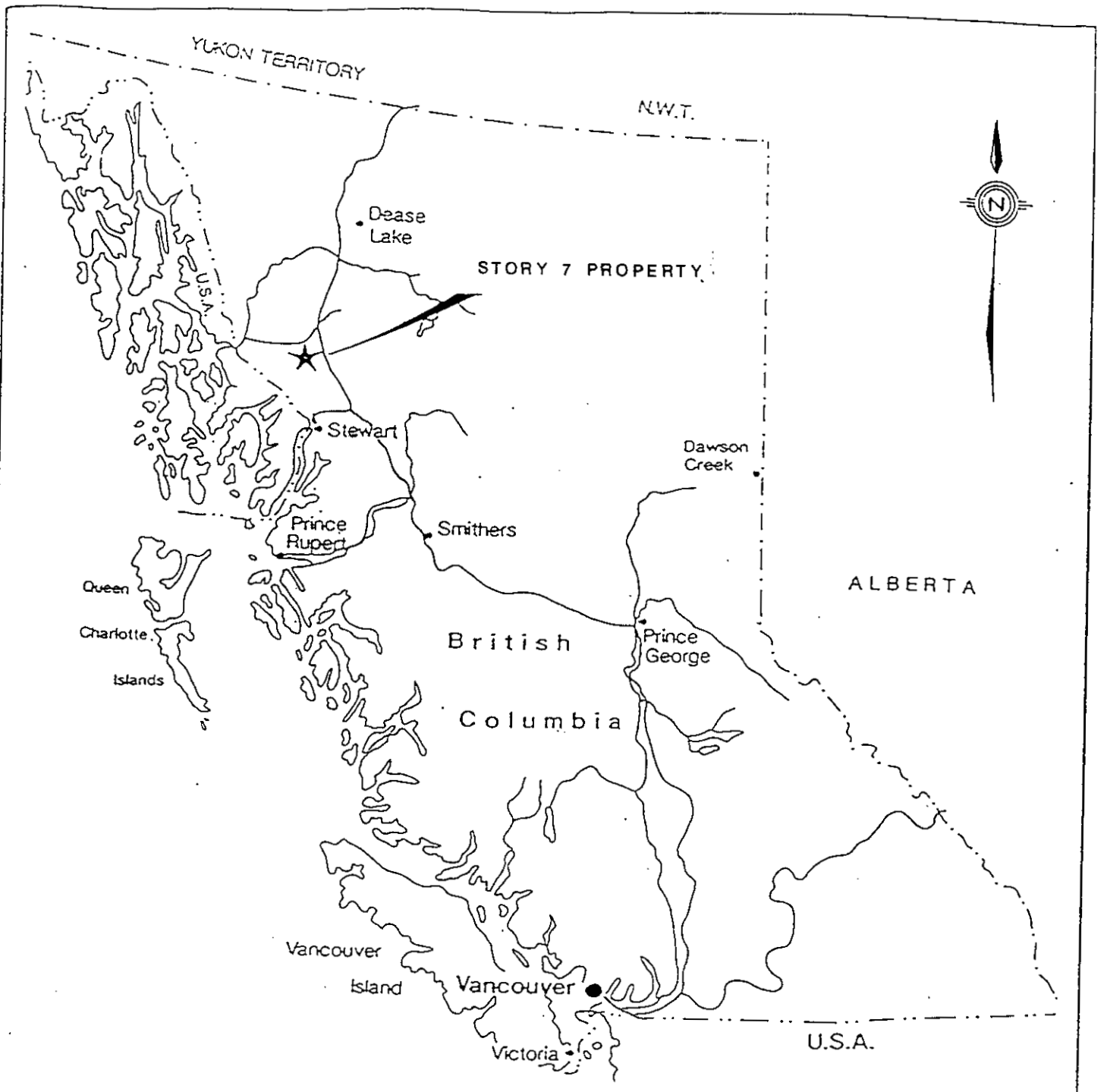
STORY 7 CLAIM LOCATION MAP

DATE: NOV. 1993 | SCALE: | DRAWING No. 2.1

SCALE

0 .5 1.0 2.0

1:50,000



HOMESTAKE CANADA LTD.

STORY 7 PROPERTY LOCATION MAP

DRAWN	DATE	NTS	
	NOV.1993		FIG. 3.1

5.0 PREVIOUS WORK

No previous work has been recorded on the Story 7 claim. Parts of the claim and adjacent areas have been mapped for Ecstall and by Granges. Regional mapping by Peter Lewis (1992) covered the ridgeline but provides no coverage of the lower slope.

6.0 REGIONAL GEOLOGY

6.1 Stratigraphy

The Story claim is located within the Iskut River map area within Stikinia, the largest of the accreted terranes that form the northern Canadian Cordillera (Anderson, 1989). Stikinia is characterized by Palaeozoic sedimentary and volcanic rocks of the Devonian to Permian Stikine Assemblage, Upper Triassic volcanic and sedimentary rocks of the Stuhini Group and Jurassic volcanic and sedimentary rocks of the Hazelton Group. Overlying Middle to Upper Jurassic sediments of the Bowser Lake Group, the Cretaceous Sustut Group and Tertiary volcanic fields are post-accretionary overlap assemblages which link Stikinia to adjacent terranes.

The Iskut River map area is characterized by a volcano-plutonic arc complex of Triassic to mid-Jurassic age comprising the Stuhini and Hazelton Groups. These igneous and sedimentary rocks are part of an extensive volcanic field exposed around the periphery of a large post-volcanic marine sedimentary basin marked by the mid to late Jurassic Bowser Group sediments.

The Stuhini Group consists of marine sedimentary rocks, predominantly argillite with calcareous siltstone, sandstone and coarse arenitic sandstone, intercalated with feldspar-augite phyric mafic volcaniclastic rocks.

The Hazelton Group has been traditionally divided into four main formations; Unuk River, Betty Creek, MT. Dilworth and Salmon River (Grove, 1986; Alldrick, 1987; Anderson and Thorkelson, 1990). Recent mapping by Lewis (1992) has demonstrated that the extension of these formations from the Salmon River valley to the Iskut and Unuk River valleys is tenuous; he has proposed five regional units that avoid the use of formal formational divisions.

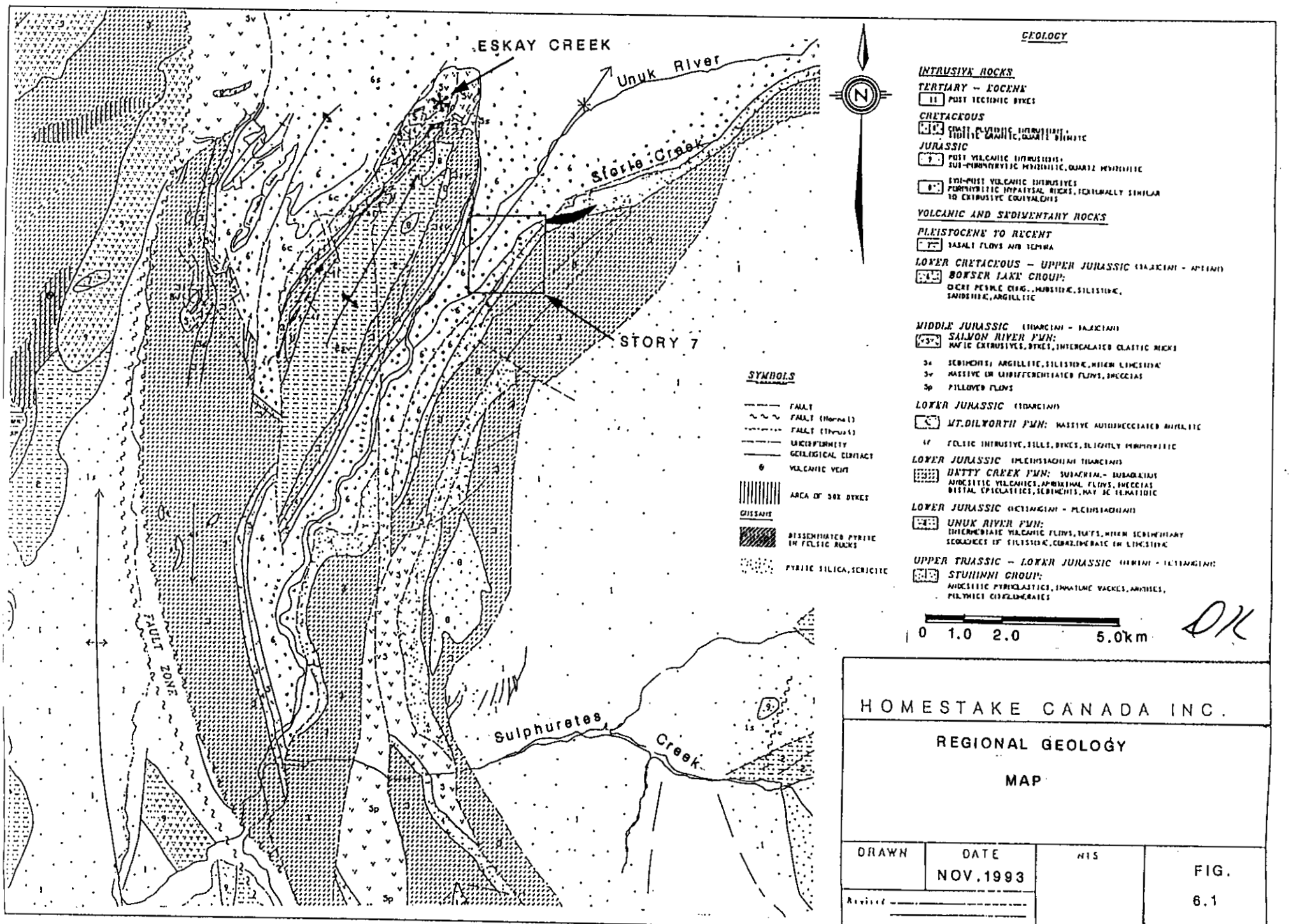
The oldest rocks are marine clastic rocks of Hettangian to Sinemurian age; these encompass lower Hazelton strata of Lewis (1991) and the Unuk River formation of Alldrick (1988). In the Unuk River valley, these rocks are almost entirely sedimentary and comprise medium to coarse grained arenitic sandstone interbedded with mudstone and pebble to cobble conglomerate.

Henderson (1991) noted the presence of a distinctive granitoid and volcanic cobble conglomerate marker unit with granitoid and volcanic cobbles (Jack formation) that marks an erosional unconformity at the base of the Hazelton Group. In the Stewart-Salmon River valley area, the section is dominated by andesitic to dacitic tuffs and flows interbedded with fine marine clastics. The upper parts of the formation include numerous flows, sills and dikes of the Premier porphyry, a distinctive hornblende +/- biotite-plagioclase porphyry with locally conspicuous orthoclase megacrysts. These rocks appear to be coeval with the Texas Creek granodiorite and have yielded U-Pb ages of 194.8+/- 2.0 Ma and 195+/- 2.0 Ma. (Alldrick et al., 1987). and 190+/-2.0 Ma. (Brown, 1987). The basal sedimentary and volcanic strata of this formation are conformably overlain by a distinctive section of andesitic to dacitic volcanic rocks, intermediate volcanic package of Lewis (1992) and Betty Creek formation of Alldrick (1987).

Betty Creek formation lithologies typically include hornblende-feldspar phyric flows, breccias and volcaniclastic rocks intercalated with volcaniclastic sandstone/wacke. Some sections are oxidized to a maroon colour suggesting subaerial exposure during deposition or redeposition of the volcanic and sedimentary rocks. The age of these rocks is constrained by the underlying Hettangian to Sinemurian units and Pliensbachian fossil collections from the overlying sedimentary section. Felsic ash tuffs form part of the section, possibly overlying the hornblende-feldspar volcanic rocks. A U-Pb date from south of John's Peaks indicates a 190 +/- 1 Ma age for the felsic ash tuffs.

These rocks may be correlate with felsic volcanic rocks exposed throughout the Salmon River valley, the Mt. Dilworth Formation of Alldrick (1987). Intermediate volcanic rocks in the Unuk river valley (Betty Creek formation) and the Mt. Dilworth formation of Alldrick et al in the Salmon River valley are overlain by a regionally distinctive sequence of sedimentary rocks, the basal Salmon River formation of Anderson and Thorkelson (1990) and JrHs of Lewis (1991). These sedimentary rocks comprise mudstone, calcareous sandstone, pebbly conglomerate and minor limestone. The sedimentary rocks are commonly fossiliferous and have yielded several good fossil collections that define a Toarcian to Pliensbachian age.

In the Salmon River valley, these sedimentary rocks are overlain by well bedded argillite, siliceous argillite and tuffaceous siltstone, the Troy Ridge "pyjama beds" of Anderson and Thorkelson (1991). However, in the Unuk river valley area, there is a thick section of felsic to mafic volcanic strata that occupy an intermediate position between the two sedimentary units. The felsic volcanic rocks have been previously defined by Britton and Alldrick (1988) as the Mt. Dilworth Formation and the mafic volcanics as the Eskay member of the Salmon River formation by Anderson and Thorkelson (1990). Recent mapping and U-Pb and biostratigraphic age controls have indicated that these rocks are younger than the type Mt. Dilworth Formation and belong to a distinctive package of volcanic rocks mapped by Lewis as upper Hazelton felsics JrHf and mafics JrHm. Fossil collections and age dates indicate an Aalenian age.



HOMESTAKE CANADA INC.

REGIONAL GEOLOGY

MAP

DRAWN	DATE	NTS	FIG.
	NOV. 1993		6.1
Revised			

The uppermost volcanic rocks are gradationally overlain by well bedded argillite, siliceous argillite, tuffaceous siltstone and dark limestone. These sedimentary rocks appear to grade upwards into the overlying Bowser Lake Group sedimentary rocks.

The Bowser Lake Group consists of well bedded argillite with laminations of calcareous siltstone to sandstone, overlain by sandstone and chert pebble conglomerate intercalated with mudstone. Fossil collections indicate a Bajocian or Late Aalenian to Bathonian age (Fig. 6.1).

6.2 Metallogeny

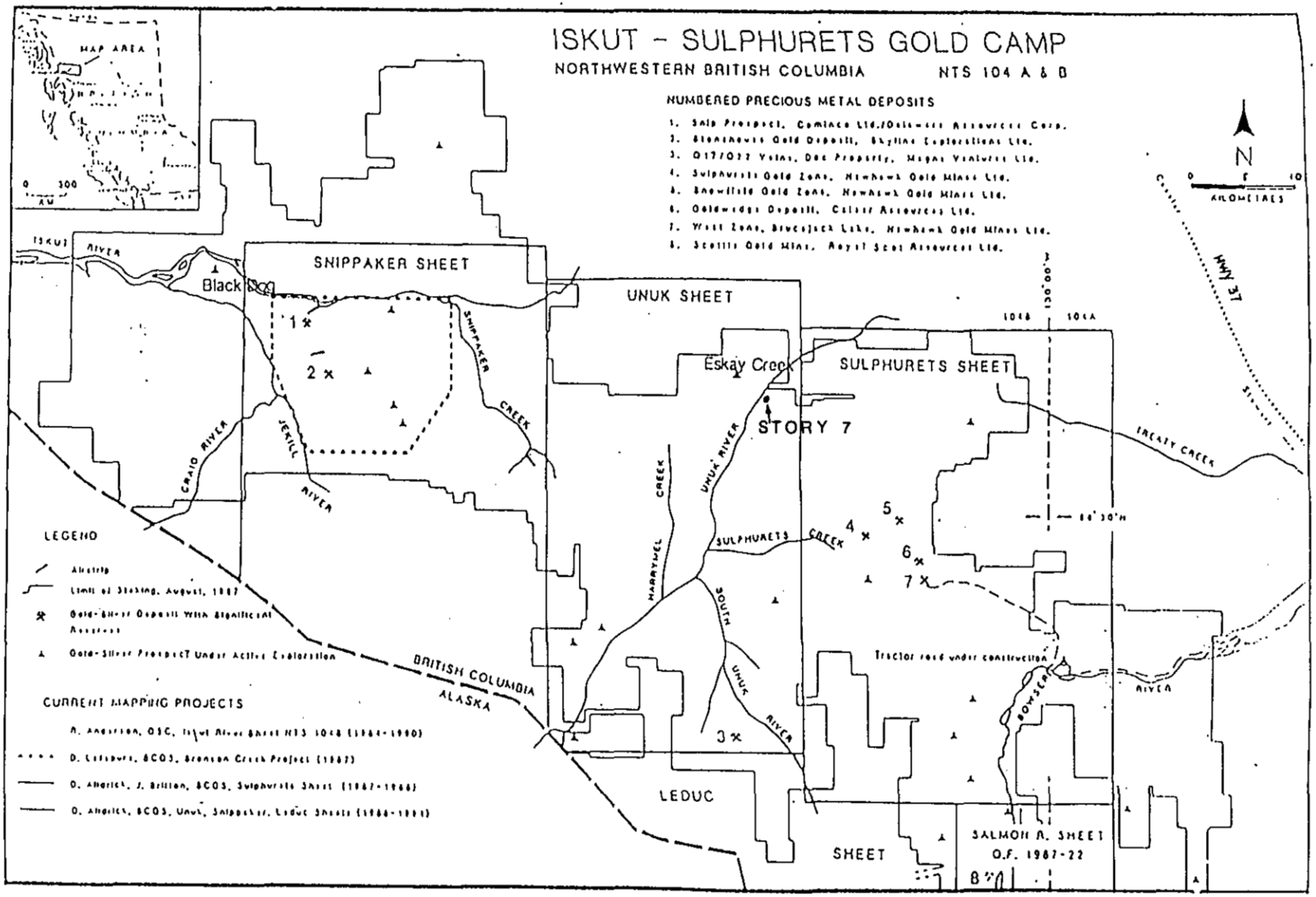
The Iskut River area is a well known and productive mining district. Past and present producing mines include precious metal veins deposits at Silbak Premier, Snip and Stonehouse and a volcanogenic massive sulphide Cu deposit at Granduc.

The Eskay Creek deposit, a precious metal rich volcanogenic massive sulphide deposit is scheduled for production in 1996. Significant reserves have been delineated in the Sulphurets area within Cu-Mo-Au porphyry systems, Au only porphyry systems and in shear hosted vein systems. Ongoing work at Red Mtn. will define significant reserves within Au-rich tennantite bearing sulphide pods in breccia zones along the margin of a Bo-enriched intrusive. Table 1 lists the major deposits within the Iskut River map area and 0their indicated reserves. Figure 6.2 shows the location of the major deposits in the Iskut area with respect to the Story 7 claim.

Other deposit types known within the Iskut River map area include Fe-rich skarns, Au-rich skarns, and magmatic Cu-Ni mineralization.

TABLE 1

Deposit Name	Reserves	Deposit Classification
Eskay Creek	Proven and probable 1.2 Mt @ 65 gpt Au, 2924 gpt Ag	Precious metal volcanogenic exhalative
Snip Mine	0.96 Mt @ 28.5 gpt Au	Shear hosted vein. Epithermal
West Zone Brucejack	0.65 Mt @ 14.8 gpt Au, 675 gpt Ag	Shear hosted vein and stockwork. Epithermal



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HOMESTAKE CANADA INC.

Iskut Region Deposits (Britton & Aldrick 1988).

DATE: NOV. 1993	SCALE:	DRAWING No. 6.2

Deposit Name	Reserves	Deposit Classification
Kerr deposit Sulphurets	127.5 Mt @ 0.62% Cu, 0.27 gpt Au	Porphyry copper
Snowfields		Porphyry gold
Stonehouse Johnny Mtn	0.21 Mt @ 14 gpt Au, 22 gpt Ag and 0.45 % Cu	Quartz-sulphide veins. Mesothermal?
Silbak Premier	4.3 Mt @ 14 gpt Au, 304 gpt Ag	Quartz-sulphide veins and stockwork. Epithermal
Red Mtn	2.8 Mt @ 12.7 gpt (1992)	

7.0 PROPERTY GEOLOGY

The main thrust of the Story 7 mapping program was to evaluate the potential of the stratigraphy to host Eskay type mineralization. An 040° striking baseline was cut and cross lines 800 m long were flagged from Storie Ck at 2200 feet elevation to the 3200 foot elevation on the ridge east of the creek. This grid provided control for 1:5000 mapping of the stratigraphy extending downsection from the Salmon River mudstone/tuff well into the underlying felsic volcanic sequence.

The local stratigraphy has been subdivided into seven stratified units and one intrusive unit. The stratigraphy lies entirely within upper Hazelton Group felsic volcanics (JrHf) of Lewis (1991) but shows several distinctive variations which can be traced along strike. The following description is from oldest to youngest.

1. The oldest rock type present within the grid area is an aphanitic, medium to dark green igneous rock. Two rock types appear to be present; a darker magnetic unit that is probably intrusive and a paler, non-magnetic unit that is either a weakly altered product of the magnetic rocks or an ash tuff.

2. The overlying rock type is a felsic lapilli tuff to tuff breccia. This medium green unit is a distinctive regional marker that achieves thicknesses of several hundred metres. It is characterized by resistant, pale, subangular fragments of aphanitic dacite or rhyolite, collapsed green chloritic lapilli with pointed and cuspate ends and a variety of heterolithic accidental clasts.

3. The heterolithic lapilli tuff is overlain by a massive, strongly welded feldspar crystal bearing lapilli tuff. This unit is a massive cliff forming, medium to dark green, feldspar crystal bearing unit. The lapilliare only locally visible. This is an unusual unit that is of limited extent, barely extending beyond the boundaries of the claim area.

4. Feldspar crystal tuffs are overlain by a thin unit exposed only from 1400S to 2300 S. These pale green rocks are siliceous and highly amygdaloidal with 10 to 60 % vesicles filled with chlorite and white chalcedonic quartz.

5. Overlying the vesicular rocks is a thin rhyolite unit. This massive siliceous unit is strongly altered to a quartz-pyrite assemblage. The rocks are aphanitic and altered and lack any remnant textures. Exposures of vesicular rocks similar to those described above located stratigraphically above the quartz-pyrite altered rhyolite suggest that this unit may be intrusive into, or an altered subunit of the vesicular dacite.

6. Locally overlying, or as a lateral facies to the quartz-pyrite altered rhyolite unit is a fragmental unit with sub-rounded lapilli sized felsic volcanic and pyritic clasts.

7. The highest stratigraphic unit are argillites with thin pale tuffaceous siltstone layers and fine pyritic laminae. These rocks are typical of the upper Salmon River mudstones which form the hangingwall to the mineralization at Eskay Creek. They grade upwards into sedimentary rocks of the Bowser Lake Group.

The ridge north of Storie Creek is underlain entirely by mudstone, siltstone of the Bowser Lake Group and was not mapped in detail.

A medium-to-coarse grained diorite intrusive trends roughly parallel to the strike of the stratigraphy as a subconcordant sill intruding the base of the Salmon River mudstone/tuffaceous siltstone unit. The sill varies from a singe massive unit to a series of intrusives separated by a series of narrow screens of mudstone.

7.1 Structure

The rocks on the Story 7 property are relatively undeformed and lack a well developed fabric. The stratigraphy strikes to the northeast and is subvertical to steeply northwest dipping. The section is slightly overturned and youngs to the northwest. A weak but persistent foliation is present, striking to the northeast and dipping moderately to the southeast, axial planar to the major anticlinal axis along the McTagg anticlinorium.

A minor fault may be present near 700S where there appears to be a left lateral offset of the diorite dyke.

7.2 Alteration and Mineralization

Alteration on the story 7 property is confined to the vesicular dacite and massive quartz-pyrite altered rhyolite at the top of the volcanic section. These rocks exhibit variable degrees of silcification and from 1-5 % disseminated pyrite and local concentrations of fracture controlled pyrite. No base metals or other types of mineralization was evident. One zone of brecciation and intense pyritization was noted on line 1400S at 0+50E. The mineralization occurs within the altered rhyolite and extends partially into the overlying mudstones. Pyrite is also present in fragmental rocks that overlie and extend laterally from the quartz-pyrite altered rhyolite. These fragmental rocks contain both pyritized clasts and disseminated pyrite in the matrix. No significant base or precious metals are evident in the assays from any of the above styles of mineralization. A total of 51 rock chip samples were taken while mapping. The assay tag number locations are plotted on Figure 7.1 with the analytical results found in Appendix 2.

Pyritic laminae, either as 1-4mm thick layers or as disseminated pyrite in tuffaceous layers are ubiquitous in the Salmon river mudstone/tuff unit. These rocks are fairly common in the district and samples from those encountered on the Story 7 property do not contain significant precious metals or indicator elements that would offer vectors towards more mineralized parts of the stratigraphy.

8.0 GEOCHEMISTRY

A 2.3 km long baseline striking 040 degrees was cut along the base of the slope to provide control for 800 m long flagged crosslines established at a 200m spacing. The lines were run with a hip chain and compass. The distances were slope corrected with an inclinometer. All lines were flagged with orange flagging and stations marked every 50 m with orange and blue tape.

A total of 272 soil samples were collected along the lines at 50 m intervals. Wherever possible, a sample of the B-horizon was collected in Kraft sample bags. Several of the samples taken contained insufficient fine material to complete an analytical determination. A contour line was run along the base of the slope above Story Creek to provide a greater density of sampling downslope from the rhyolite/mudstone contact. The samples were dried and sent to Bondar-Clegg in North Vancouver for analyses. All samples were sieved to -80 mesh and analyzed for Au by fire Assay and for Ag, Cu, Pb, Zn, Mo, As, and Sb by ICP.

The results from the soil sampling are all presented in Appendix 3 and the results for Au, Ag, As and Sb are plotted on Map 8.0.

8.1 RESULTS

Of the 51 rock chip samples taken during the 1:5000 scale mapping of the property, only 5 samples returned anomalous values in precious or pathfinder elements.

Sample 66124, a grab sample from a 10cm wide shear hosted quartz vein in dacitic lapilli tuffs returned the highest As value at 1350 ppm. There are no corresponding anomalies other elements.

Samples 66132, and 66148, 66149 are chip samples taken across widths of 1.0m through laminated pyritic mudstones. This unit has been mapped along the west edge of the area and has been assigned to the upper Salmon River formation. This lithology occurs upsection from the felsic volcanic rocks but is separated from them by a mafic intrusive. This felsic volcanic-marine sediment contact is the target horizon in the area as it hosts the mineralization in the 21B zone at Eskay Creek. These three samples returned the highest gold values at 10, 12 and 7 ppb respectively. The samples carry slightly elevated As and Sb values as well but the values are still very low and are just above regional background levels.

From the soil sampling, 6 small areas, usually defined by one sample, single element anomalies are evident. Four of these areas are underlain by the upper Salmon River mudstone sequence.

The first area, at the west end of line 20+00 south, contains a two station Zn-only anomaly returned from samples cl-11 and cl-12. The anomaly is defined by 1100 ppm Zn at two stations 50m apart.

The second site is located at the west end of line 12+00S at site cl-41. This is a singe sample, single element anomaly. The Zn value of 2924 at this location is the highest on the grid; the sample also contains 103 ppm As and is underlain by upper Salmon River mudstones.

The third area, underlain by Salmon River mudstones, is a three station, across strike, single element gold anomaly located at the west end of line 2+00S from 1+00W to 2+00W. The gold values are barely anomalous, ranging from 29-33 ppb. This is a single element anomaly. Rock sample 66133 nearby detected background values in all elements.

Another single element gold anomaly of 285 ppb Au is located at site cl-68 at the west end of line 6+00S. Nearby rock chip samples 66135, 66136 detected no anomalous values.

Site 8+00S/1+50E contains a single element 239 ppb Au anomaly. The area is underlain by slightly pyritized rhyolite tuffs. Nearby rock chip sample 66613 returned no anomalous values.

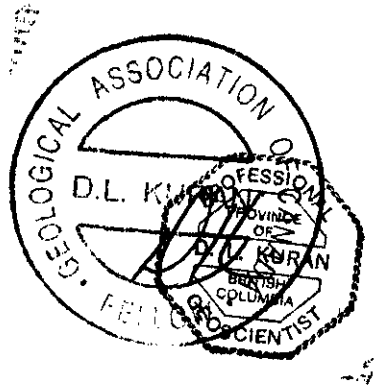
9.0 CONCLUSIONS

The Story 7 mineral claim is underlain by a sequence of volcanic and marine sedimentary rocks. The volcanic rocks range from rhyolite to dacite to andesite in composition consisting of massive to perlitically fractured flows and heterolithic fragmentals. The package has been assigned to the Jurassic-age upper Hazelton Group and represent an arc assemblage. The age and lithological characteristics of the Story 7 are similar to those which host the Eskay Creek 21b deposit on the west side of the Unuk river syncline. The geology is slightly overturned to the east though younging to the west.

Mapping at a scale of 1:5000 in conjunction with grid controlled soils, contour soils, prospecting and rock chip geochemistry have failed to detect any indication that the claim may cover a significant base or precious metal deposit.

10.0 RECOMMENDATIONS

It is recommended that no further work be completed on the Story 7 mineral claim at this time.



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APPENDIX 1

STATEMENT OF COSTS

STATEMENT OF COSTS STORY 7 CLAIM

Title of report: Geological and geochemical report on the Story 7 claim
Author: Henry Marsden

Statement for work performed between June 11 and June 30 on the Story 7 claim, 1993 by Henry Marsden, Andrew Kaip, Chris Downie and Sunil Patel.

Helicopter	4.4 hrs @ 742.30	3266
Camp costs	39 days @ 100.00	3900
Linecutters	6 days @ 525/day	3150
Salaries	H. Marsden 10 days @ 280/day	2800
	A. Kaip 10 days @ 195/day	1950
	C. Downie 7 days @ 125/day	875
	S. Patel 6 days @ 125/day	750
Samples	51 rocks @ $17/sample	867
	272 soils @ $13/sample	3536
Report preparation		
	H. Marsden 7 days @ 280/day	1960
	Total	$23,054

APPENDIX 2

ROCK CHIP ANALYTICAL CERTIFICATES

BONDAR-CLEGG

Geochemical Lab Report

Inchcape Testing Services

REPORT: V93-00670.0 (COMPLETE) REFERENCE:

CLIENT: HOMESTAKE MINERAL DEVELOPMENT COMPANY SUBMITTED BY: A. KAIP

PROJECT: 90702/ST7 DATE PRINTED: 26-JUL-93

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	51	5 PPB	FIRE ASSAY	FIRE ASSAY @ 30 G
2	Ag	Silver	51	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Cu	Copper	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Pb	Lead	51	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Zn	Zinc	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
6	Mo	Molybdenum	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
7	As	Arsenic	51	1.0 PPM		NEUTRON ACTIVATION
8	Sb	Antimony	51	0.2 PPM		NEUTRON ACTIVATION

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	51	2 -150	51	CRUSH/SPLIT & PULV.	51
				EXC. WETNESS/ SAMPLE	51

REPORT COPIES TO: MR. RON BRITTEN

INVOICE TO: MR. RON BRITTEN

Bondar-Clegg & Company Ltd.
130 Pemberton Avenue, North Vancouver, B.C., V7P 2R5, Canada
Tel: (604) 985-0681, Fax: (604) 985-1071

BONDAR-CLEGG

Geochemical Lab Report

Inchcape Testing Services

REPORT: V93-00670.0 (COMPLETE)

DATE PRINTED: 26-JUL-93

PROJECT: 90702/ST7

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM
R2 66121		<5	<0.2	62	36	351	37	61.0	8.5
R2 66122		<5	<0.2	50	30	317	33	52.0	6.3
R2 66123		<5	<0.2	18	17	94	16	27.0	2.7
R2 66124		<5	<0.2	11	32	17	28	1350.0	9.5
R2 66125		<5	<0.2	8	18	74	8	47.0	28.5
R2 66126		<5	<0.2	8	19	80	7	278.0	4.7
R2 66127		<5	<0.2	8	16	71	5	41.0	1.8
R2 66128		<5	<0.2	8	17	90	3	35.0	1.9
R2 66129		14	<0.2	27	17	263	52	31.0	12.0
R2 66130		6	<0.2	97	25	680	73	84.0	12.0
R2 66131		6	<0.2	26	20	235	78	40.0	11.0
R2 66132		10	<0.2	121	52	424	35	77.0	54.9
R2 66133		<5	<0.2	62	13	124	10	15.0	2.6
R2 66134		6	<0.2	66	23	292	53	54.0	9.5
R2 66135		<5	<0.2	148	16	77	30	41.0	5.4
R2 66136		8	0.5	32	15	122	10	19.0	5.2
R2 66137		<5	<0.2	5	11	76	6	19.0	3.8
R2 66138		<5	<0.2	9	22	50	1	39.0	6.7
R2 66139		<5	<0.2	7	15	9	3	48.0	5.4
R2 66140		<5	<0.2	4	21	6	11	53.0	7.5
R2 66141		<5	<0.2	5	12	8	8	248.0	11.0
R2 66142		<5	<0.2	1	15	10	14	277.0	14.0
R2 66143		<5	<0.2	9	29	73	39	27.0	4.8
R2 66144		<5	<0.2	10	15	48	4	24.0	11.0
R2 66145		<5	<0.2	6	14	80	<1	17.0	14.0
R2 66146		<5	<0.2	12	14	119	10	12.0	3.2
R2 66147		8	0.7	29	18	60	5	27.0	5.3
R2 66148		12	0.9	42	19	78	8	37.0	9.0
R2 66149		7	<0.2	36	32	267	34	58.0	31.3
R2 66150		<5	<0.2	27	13	104	2	15.0	3.9
R2 66151		<5	<0.2	8	23	44	11	105.0	14.0
R2 66152		<5	<0.2	5	13	30	14	44.0	13.0
R2 66153		<5	<0.2	7	10	150	3	9.1	6.2
R2 66154		<5	<0.2	5	9	6	91	51.0	4.7
R2 66155		<5	<0.2	9	13	95	1	19.0	18.0
R2 66156		<5	<0.2	8	14	128	3	4.9	6.4
R2 66613		<5	<0.2	8	14	89	1	8.3	1.0
R2 66614		<5	<0.2	6	11	92	1	44.0	17.0
R2 66615		12	<0.2	118	12	78	15	23.0	3.3
R2 66616		<5	<0.2	39	8	128	<1	1.3	<0.4

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Geochemical Lab Report

Inchcape Testing Services

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM
R2 66617		<5	<0.2	47	8	81	<1	4.8	0.8
R2 66618		<5	<0.2	66	17	397	29	29.0	7.0
R2 66619		<5	0.2	34	15	65	5	21.0	3.8
R2 66620		<5	<0.2	78	23	89	92	52.0	9.4
R2 66621		<5	<0.2	39	9	133	1	9.4	5.1
R2 66622		<5	<0.2	8	12	117	1	11.0	0.7
R2 66623		<5	<0.2	102	16	61	55	47.0	8.6
R2 66624		<5	0.6	35	19	88	14	21.0	6.8
R2 66625		<5	<0.2	5	17	41	<1	3.1	2.2
R2 66626		<5	<0.2	3	10	10	11	8.8	2.2
R2 66627		<5	<0.2	7	15	34	5	15.0	2.7

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STANDARD NAME	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM
B-C GEOCHEM STD		-	-	-	-	-	-	141.0	1.0
Number of Analyses		-	-	-	-	-	-	1	1
Mean Value		-	-	-	-	-	-	141.00	1.00
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		-	0.2	140	13	140	4	145.0	-
GS89-2		-	5.8	829	227	468	509	316.0	68.1
Number of Analyses		-	1	1	1	1	1	1	1
Mean Value		-	5.85	829.4	226.9	468.2	508.8	316.00	68.10
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		-	5.0	820	250	500	600	310.0	70.0
LOW AU STANDARD		15	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-
Mean Value		15.0	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		17	-	-	-	-	-	-	-
TRACE GEOCHEM STD		-	<0.2	267	32	230	3	30.0	0.5
Number of Analyses		-	1	1	1	1	1	1	1
Mean Value		-	0.10	267.3	32.4	229.8	3.3	30.00	0.50
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		-	0.5	290	33	255	4	28.7	0.5
ANALYTICAL BLANK		<5	<0.2	<1	<2	<1	<1	-	-
ANALYTICAL BLANK		<5	<0.2	<1	-	<1	<1	-	-
Number of Analyses		2	2	2	1	2	2	-	-
Mean Value		2.5	0.10	0.5	1.0	0.5	0.5	-	-
Standard Deviation		<0.01	<0.001	<0.01	-	<0.01	<0.01	-	-
Accepted Value		5	0.2	1	2	1	1	<0.1	<0.1

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM
66121		<5	<0.2	62	36	351	37	61.0	8.5
Duplicate		<5	<0.2	61	35	359	38		
66135		<5	<0.2	148	16	77	30	41.0	5.4
Duplicate								37.0	5.1
66139		<5	<0.2	7	15	9	3	48.0	5.4
Duplicate			<0.2	7	16	10	3		
66144		<5	<0.2	10	15	48	4	24.0	11.0
Duplicate		<5							
66614		<5	<0.2	6	11	92	1	44.0	17.0
Duplicate			<0.2	7	12	91	2		
66623		<5	<0.2	102	16	61	55	47.0	8.6
Duplicate		<5							

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APPENDIX 3

SOIL ANALYTICAL CERTIFICATES

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Geochemical Lab Report

Inchcape Testing Services

REPORT: V93-00690.0 (COMPLETE) REFERENCE:

CLIENT: HOMESTAKE MINERAL DEVELOPMENT COMPANY SUBMITTED BY: H. MARSDEN

PROJECT: 90706 DATE PRINTED: 24-JUL-93

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	83	5 PPB	FIRE ASSAY	FIRE ASSAY @ 30 G
2	Ag	Silver	83	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Cu	Copper	83	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Pb	Lead	83	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Zn	Zinc	83	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
6	Mo	Molybdenum	83	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
7	As	Arsenic	83	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
8	Sb	Antimony	83	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOIL	83	1 -80	83	DRY, SIEVE -80	83

REPORT COPIES TO: MR. RON BRITTEN

INVOICE TO: MR. RON BRITTEN

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM
S1 CL1-2		15	0.4	76	24	390	23	27	10
S1 CL1-3		<5	0.4	85	16	235	7	54	6
S1 CL1-4		<5	2.4	71	28	600	57	40	7
S1 CL1-5		18	1.1	55	21	429	38	33	7
S1 CL1-6		7	0.4	65	22	597	27	24	<5
S1 CL1-7		9	1.5	71	21	422	34	18	6
S1 CL1-8		<5	4.0	60	18	314	46	26	<5
S1 CL1-9		<5	0.8	53	15	255	25	16	<5
S1 CL1-10		6	1.2	45	20	192	24	13	<5
S1 CL1-11		<5	1.1	97	24	1141	54	45	10
S1 CL1-12		6	0.8	90	23	1104	48	50	10
S1 CL1-13A		<5	1.7	41	16	224	33	21	<5
S1 CL1-13B		<5	1.4	59	14	711	27	22	<5
S1 CL1-14		<5	2.3	59	14	210	23	14	<5
S1 CL1-15		7	4.7	49	12	178	10	9	<5
S1 CL1-16		12	6.0	48	11	182	11	27	<5
S1 CL1-17		8	8.2	56	13	398	20	34	6
S1 CL1-18		<5	2.7	99	13	446	32	42	9
S1 CL1-19		10	1.2	35	7	201	30	29	<5
S1 CL1-20		<5	1.9	43	13	120	11	27	<5
S1 CL1-21		<5	0.8	68	16	328	8	23	6
S1 CL1-22		10	2.8	84	19	402	9	39	9
S1 CL1-23		<5	2.4	91	16	404	14	38	7
S1 CL1-24		6	0.4	83	18	555	10	30	10
S1 CL1-25		<5	1.0	69	15	303	10	33	9
S1 CL1-26		<5	1.2	76	14	603	14	32	<5
S1 CL1-27		<5	3.2	59	11	541	16	36	<5
S1 CL1-28		<5	1.1	59	17	527	32	46	9
S1 CL1-29		<5	<0.2	60	11	400	18	11	<5
S1 CL1-30		<5	0.5	44	12	356	34	26	<5
S1 CL1-31		<5	1.7	90	16	564	30	52	8
S1 CL1-32		<5	2.1	68	14	392	18	26	<5
S1 CL1-33		6	2.2	112	15	491	23	56	9
S1 CL1-34		14	1.4	63	13	393	17	36	7
S1 CL1-35		6	8.8	75	15	244	30	72	10
S1 CL1-36		55	1.6	140	15	723	18	22	5
S1 CL1-37		48	<0.2	54	15	120	17	8	<5
S1 CL1-38		5	<0.2	45	18	229	24	16	6
S1 CL1-39		7	1.3	40	20	258	45	27	6
S1 CL1-40		15	0.6	33	13	221	39	30	<5

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM
S1 CL1-41		<5	0.9	67	23	2934	43	103	16
S1 CL1-43		<5	<0.2	84	9	431	15	13	<5
S1 CL1-44		<5	<0.2	57	9	48	13	17	<5
S1 CL1-45		<5	1.0	56	20	94	21	11	<5
S1 CL1-46		<5	2.0	51	22	386	27	25	8
S1 CL1-47		6	<0.2	43	18	208	41	23	<5
S1 CL1-48		6	0.8	51	17	571	41	26	5
S1 CL1-49		6	1.8	72	17	555	31	24	<5
S1 CL1-50		<5	0.4	45	21	429	34	49	<5
S1 CL1-51		<5	1.2	47	22	369	33	21	<5
S1 CL1-52		<5	<0.2	43	20	200	32	28	6
S1 CL1-53		<5	0.9	30	11	140	22	<5	<5
S1 CL1-54		<5	1.2	35	11	223	33	10	<5
S1 CL1-55		<5	4.2	86	20	371	12	10	<5
S1 CL1-56		12	0.8	44	17	194	17	29	6
S1 CL1-57		<5	0.9	38	20	263	20	17	<5
S1 CL1-58		<5	<0.2	49	18	233	52	33	<5
S1 CL1-59		<5	4.0	60	9	263	16	13	<5
S1 CL1-60		<5	0.7	42	9	264	15	9	<5
S1 CL1-61		<5	0.5	32	4	159	18	14	<5
S1 CL1-62		<5	1.2	56	8	384	22	12	<5
S1 CL1-63		<5	0.3	50	12	271	31	7	<5
S1 CL1-64		<5	0.6	49	10	350	19	<5	<5
S1 CL1-65		<5	1.0	49	8	267	26	10	<5
S1 CL1-66		<5	0.5	42	11	237	24	10	<5
S1 CL1-67		<5	<0.2	39	10	244	22	<5	<5
S1 CL1-68		285	0.3	67	15	782	43	24	<5
S1 CL1-69		18	0.5	58	18	539	54	28	7
S1 CL1-70		<5	0.9	53	10	526	30	19	<5
S1 CL1-71		<5	0.4	51	11	390	52	33	<5
S1 CL1-72		<5	1.2	62	22	387	54	32	<5
S1 CL1-74		<5	1.0	43	21	350	28	25	<5
S1 CL1-75		<5	0.6	66	14	474	67	32	<5
S1 CL1-76		<5	0.6	87	16	579	52	39	6
S1 CL1-77		6	1.8	37	14	312	49	30	<5
S1 CL1-78		<5	0.7	22	5	126	47	18	<5
S1 CL1-79		<5	0.6	63	13	404	28	18	<5
S1 CL1-80		<5	0.4	56	13	651	36	20	<5
S1 CL1-81		<5	0.4	68	14	541	41	30	<5
S1 CL1-82		<5	0.3	46	16	361	27	21	<5

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM
S1 CL1-83		<5	<0.2	32	8	243	33	29	<5
S1 CL1-84		<5	0.6	48	28	245	39	26	6
S1 CL1-85		<5	0.9	60	20	387	42	33	<5

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM
S1 L16+00S 1+00E		30	<0.2	15	14	33	8	<5	<5
S1 L16+00S 1+50E		6	<0.2	8	19	63	7	<5	<5
S1 L16+00S 2+00E		10	<0.2	21	17	134	7	75	<5
S1 L16+00S 3+00E		<5	<0.2	10	17	46	6	<5	<5
S1 L16+00S 3+50E		<5	<0.2	15	14	80	4	<5	<5
S1 L16+00S 4+00E		6	<0.2	9	9	40	3	<5	<5
S1 L16+00S 0+50W		<5	<0.2	22	19	57	7	11	<5
S1 L16+00S 1+00W		<5	<0.2	25	17	42	7	<5	<5
S1 L16+00S 1+50W		<5	<0.2	18	18	71	5	<5	7
S1 L16+00S 2+00W		<5	<0.2	21	26	96	24	<5	<5
S1 L16+00S 2+50W		<5	<0.2	52	28	437	26	13	<5
S1 L16+00S 3+00W		8	3.4	56	28	267	19	30	7
S1 L14+00S 0+50E		IS	<0.2	28	15	68	2	<5	<5
S1 L14+00S 1+00E		33	<0.2	27	25	99	2	21	<5
S1 L14+00S 2+00E		<5	<0.2	25	12	40	9	<5	<5
S1 L14+00S 2+50E		<5	<0.2	27	24	64	8	<5	<5
S1 L14+00S 3+00E		<5	<0.2	29	17	60	4	<5	<5
S1 L14+00S 3+50E		<5	<0.2	26	23	75	5	<5	<5
S1 L14+00S 4+00E		<5	<0.2	24	19	119	9	<5	<5
S1 L14+00S 5+00E		9	<0.2	53	19	134	7	24	<5
S1 L14+00S 1+50W		6	<0.2	23	41	51	3	13	<5
S1 L12+00S 0+50E		<5	<0.2	17	11	51	5	21	<5
S1 L12+00S 0+50W		<5	<0.2	9	12	23	2	<5	<5
S1 L12+00S 1+00W		6	<0.2	16	15	78	5	<5	<5
S1 L12+00S 1+50W		9	<0.2	32	32	188	18	15	<5
S1 L12+00S 2+00W		6	<0.2	27	27	154	22	<5	<5
S1 L12+00S 2+50W		8	<0.2	49	51	296	38	21	7
S1 L12+00S 3+00W		<5	<0.2	86	16	619	25	9	7
S1 L10+00S 0+50E		<5	<0.2	9	4	68	1	<5	<5
S1 L10+00S 1+50E		<5	<0.2	23	29	62	8	11	<5
S1 L10+00S 2+50E		6	<0.2	24	25	78	4	<5	<5
S1 L10+00S 3+00E		<5	<0.2	18	18	58	4	8	8
S1 L10+00S 3+50E		12	<0.2	38	28	125	2	7	<5
S1 L10+00S 0+50W		6	<0.2	47	18	64	8	<5	<5
S1 L10+00S 1+00W		<5	<0.2	40	17	94	7	<5	<5
S1 L10+00S 1+50W		6	<0.2	31	19	223	12	25	5
S1 L10+00S 2+00W		6	0.7	95	35	537	68	58	7
S1 L10+00S 2+50W		12	<0.2	49	29	520	56	49	7
S1 L10+00S 3+00		6	2.2	54	43	409	47	22	7
S1 L10+00S 3+30W		<5	<0.2	44	19	406	4	15	<5

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM
S1 L8+00S 0+50E		24	<0.2	16	19	68	8	26	13
S1 L8+00S 1+00E		12	<0.2	31	24	99	6	12	<5
S1 L8+00S 1+50E		239	<0.2	31	21	54	8	<5	<5
S1 L8+00S 2+00E		12	<0.2	45	15	399	49	40	<5
S1 L8+00S 1+00W		<5	<0.2	21	26	70	18	<5	<5
S1 L8+00S 1+50W		18	<0.2	19	20	95	5	<5	<5
S1 L8+00S 2+50W		10	<0.2	76	57	504	57	58	11
S1 L8+00S 3+00W		9	0.5	53	15	619	63	31	<5
S1 L8+00S 3+50W		<5	<0.2	45	15	280	43	29	<5
S1 L6+00S 0+50E		<5	<0.2	65	12	81	8	21	<5
S1 L6+00S 1+10E		<5	<0.2	24	21	72	4	<5	<5
S1 L6+00S 1+50E		7	<0.2	22	27	66	11	<5	<5
S1 L6+00S 2+00E		30	<0.2	15	17	64	6	<5	<5
S1 L6+00S 3+00E		<5	<0.2	19	18	88	5	8	<5
S1 L6+00S 3+50E		11	<0.2	22	22	79	5	<5	<5
S1 L6+00S 4+15E		<5	<0.2	28	18	101	4	<5	<5
S1 L6+00S 4+50E		<5	<0.2	23	23	101	4	18	<5
S1 L6+00S 5+00E		18	<0.2	32	13	81	1	<5	<5
S1 L6+00S 0+50W		10	<0.2	15	16	63	20	19	<5
S1 L6+00S 1+00W		8	<0.2	20	29	72	9	<5	<5
S1 L6+00S 1+50W		<5	<0.2	43	12	128	4	43	<5
S1 L6+00S 2+10W		8	<0.2	29	25	210	36	28	<5
S1 L6+00S 2+50W		<5	1.1	42	17	304	50	15	<5
S1 L6+00S 3+00W		<5	<0.2	16	14	156	22	21	<5
S1 L6+00S 3+50W		<5	<0.2	37	23	191	31	27	<5
S1 L4+00S 1+50E		<5	<0.2	40	25	244	35	20	<5
S1 L4+00S 2+00E		6	<0.2	21	13	42	4	<5	<5
S1 L4+00S 2+25E		18	<0.2	127	27	1348	36	15	7
S1 L4+00S 2+50E		<5	<0.2	19	21	75	4	12	<5
S1 L4+00S 3+50E		<5	<0.2	28	23	30	3	<5	<5
S1 L4+00S 4+50E		<5	<0.2	27	28	108	4	<5	<5
S1 L4+00S 5+00E		<5	<0.2	43	22	114	1	21	12
S1 L4+00S 0+50W		<5	<0.2	25	26	105	21	<5	<5
S1 L4+00S 1+00W		9	<0.2	59	19	274	13	74	<5
S1 L4+00S 1+50W		7	<0.2	61	20	472	71	41	<5
S1 L4+00S 2+00W		9	<0.2	88	21	646	71	21	7
S1 L0+00S 0+50E		15	<0.2	10	10	50	2	<5	<5
S1 L0+00S 1+00E		9	<0.2	31	17	131	11	41	6
S1 L0+00S 1+50E		45	<0.2	13	11	47	5	11	6
S1 L2+00S 0+50E		<5	<0.2	20	12	68	7	<5	<5

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REPORT: V93-00671.0 (COMPLETE) PROJECT: 90702/ST7 PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM
S1 L2+00S 1+00E		<5	<0.2	16	18	163	16	113	<5
S1 L2+00S 1+50E		15	<0.2	10	6	30	<1	<5	<5
S1 L2+00S 2+00E		15	<0.2	20	10	80	7	24	<5
S1 L2+00S 2+50E A		<5	<0.2	15	18	107	8	135	7
S1 L2+00S 2+50E B		30	<0.2	13	14	45	5	<5	<5
S1 L2+00S 3+00E		<5	<0.2	30	17	82	3	<5	<5
S1 L2+00S 4+00E		15	<0.2	27	21	109	3	<5	<5
S1 L2+00S 4+50E		12	<0.2	28	17	91	2	<5	5
S1 L2+00S 5+00E		6	<0.2	21	23	132	4	<5	<5
S1 L2+00S 0+50W		9	<0.2	34	24	129	17	15	<5
S1 L2+00S 1+00W		29	<0.2	39	32	220	24	9	7
S1 L2+00S 1+50W		33	<0.2	47	12	427	63	30	9
S1 L2+00S 2+00W		30	<0.2	44	48	181	38	20	7
S1 L2+00S 2+40W		6	<0.2	96	18	331	15	6	<5
S1 BL 2+00S		6	<0.2	20	21	100	5	<5	<5
S1 BL 3+00S		12	<0.2	22	19	116	3	9	<5
S1 BL 3+50S		6	<0.2	38	32	158	6	22	<5
S1 BL 4+00S		22	<0.2	9	15	27	2	<5	<5
S1 BL 4+50S		<5	<0.2	14	18	64	6	13	<5
S1 BL 7+00S		10	<0.2	11	17	42	5	<5	<5
S1 BL 7+50S		15	<0.2	15	25	69	8	<5	<5
S1 BL 8+00S		<5	<0.2	18	18	79	6	<5	<5
S1 BL 8+50S		<5	<0.2	25	17	74	7	<5	9
S1 BL 9+00S		9	<0.2	16	17	63	7	<5	<5
S1 BL 9+50S		8	<0.2	30	19	110	3	<5	<5
S1 BL 10+00S		30	<0.2	27	14	75	5	<5	11
S1 BL 14+00S		9	<0.2	24	18	43	9	<5	8
S1 BL 14+50S		18	<0.2	16	41	73	13	<5	7
S1 BL 15+00S		<5	<0.2	72	17	73	5	<5	<5
S1 BL 15+50S		<5	<0.2	19	23	98	8	13	18

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Geochemical Lab Report

Inchcape Testing Services

DATE PRINTED: 22-JUL-93

REPORT: V93-00671.1 (COMPLETE) PROJECT: 90702/ST7 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM
S1 L12+00S 2+15E		<5	<0.2	61	16	42	4	<5	<5

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Geochemical Lab Report

Inchcape Testing Services

REPORT: V93-00674.0 (COMPLETE)

DATE PRINTED: 20-JUL-93

PROJECT: 90702/ST7

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM
S1 L14+00S 1+50W		<5	<0.2	28	11	203	6	20	<5
S1 L14+00S 2+50W		<5	<0.2	30	16	152	19	13	<5
S1 L14+00S 3+00W		<5	<0.2	63	19	564	49	34	<5
S1 L14+00S 3+50W		<5	1.4	134	22	801	25	42	<5
S1 L18+00S 0+50W		6	<0.2	33	10	81	5	56	<5
S1 L18+00S 1+50W		<5	<0.2	39	18	101	8	31	<5
S1 L18+00S 2+00W		<5	1.1	33	27	193	7	27	<5
S1 L18+00S 2+50W		<5	<0.2	37	17	141	8	21	<5
S1 L18+00S 3+00W		10	0.2	70	34	359	88	36	9
S1 L18+00S 3+50W		<5	6.3	48	23	300	53	20	<5
S1 L18+00S 0+50E		<5	<0.2	17	14	45	8	15	<5
S1 L18+00S 1+50E		<5	<0.2	18	14	30	7	<5	5
S1 L18+00S 2+00E		<5	<0.2	11	12	39	1	<5	<5
S1 L20+00S 1+50W		<5	<0.2	15	26	71	6	<5	<5
S1 L20+00S 2+00W		<5	<0.2	46	35	235	25	47	<5
S1 L20+00S 3+00W		<5	<0.2	50	26	316	51	31	<5
S1 L20+00S 0+50E		<5	<0.2	10	16	52	7	6	<5
S1 L20+00S 1+00E		<5	<0.2	10	17	29	7	<5	<5
S1 L20+00S 1+50E		<5	<0.2	20	18	40	6	<5	<5
S1 L20+00S 2+00E		<5	<0.2	17	20	54	4	<5	<5
S1 L22+00S 0+50W		<5	<0.2	20	21	115	8	<5	<5
S1 L22+00S 1+00W		<5	<0.2	17	15	67	8	22	<5
S1 L22+00S 2+00W		<5	<0.2	20	23	97	7	92	13
S1 L22+00S 2+50W		<5	<0.2	26	28	156	14	<5	<5
S1 L22+00S 0+50E		<5	<0.2	11	23	49	6	7	<5
S1 L22+00S 1+50E		<5	<0.2	9	23	49	8	<5	<5
S1 L22+00S 2+00E		<5	<0.2	22	12	49	3	5	<5
S1 BL 11+50S		<5	<0.2	15	18	64	7	14	<5
S1 BL 12+50S		<5	<0.2	16	8	30	1	<5	<5
S1 BL 13+00S		<5	<0.2	13	13	31	6	6	<5
S1 BL 16+50S		<5	<0.2	10	28	41	2	<5	<5
S1 BL 17+00S		<5	<0.2	15	17	60	6	<5	<5
S1 BL 17+50S		<5	<0.2	11	14	50	5	<5	8
S1 BL 18+00S		<5	<0.2	19	23	71	10	14	5
S1 BL 18+50S		<5	<0.2	17	24	83	16	<5	<5
S1 BL 19+00S		9	<0.2	7	18	53	4	13	<5
S1 BL 19+50S		<5	<0.2	9	30	59	15	<5	<5
S1 BL 20+00S		<5	<0.2	10	21	43	11	<5	<5
S1 BL 20+50S		<5	<0.2	7	12	38	126	11	<5
S1 BL 21+00S		<5	<0.2	15	47	65	20	23	<5

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Geochemical Lab Report

Inchcape Testing Services

DATE PRINTED: 20-JUL-93

REPORT: V93-00674.0 (COMPLETE) PROJECT: 90702/ST7 PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM
S1 BL 21+50S		<5	<0.2	9	21	43	5	<5	<5
S1 BL 22+00S		<5	<0.2	9	41	57	22	20	7
S1 BL 22+50S		<5	<0.2	18	16	105	5	18	<5

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APPENDIX 4

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I. DAVIDL. KURAN of 25630 Bosonworth Avenue, in the municipality of Maple Ridge, British Columbia, hereby certify that:

1. I an a graduate of the University of Manitoba(1978) and hold a B.Sc. in Geology.

2. I am a fellow of the Geological Association of Canada.

3. I an a Member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

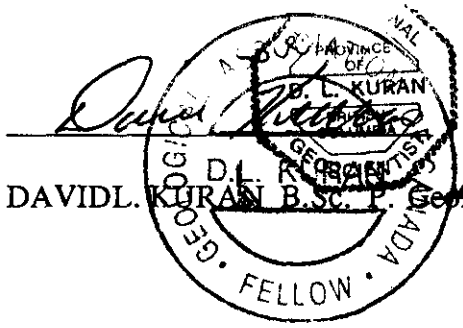
4. I have been employed in my profession as an Exploration Geologist in Canada, U.S.A.,and Mexico since graduation.

5. I am presently employed by Homestake Canada Inc of 1000-700 West Pender St., Vancouver, B.C. as Senior Project Geologist.

6. I was involved in the completion of the work on the Story 7 property on a daily basis.

7. I consent to the use of this report concerning the 1993 geological and geochemical surveys carried out on the STORY 87 mineral claim, in the Skeena Mining Division, for all corporate purposes relating to PRIME RESOURCES GROUP INC. and ECSTALL MINING CORP.

Signed at Vancouver, British Columbia this day of November, 1993.



DAVIDL. KURAN B.Sc. P. Geol. F.G.A.C.

STORY 7 CLAIM
GEOLOGY & GEOCHEMISTRY

LEGEND

- bedding
- bedding, tops known
- contact attitude
- foliation
- vein
- contact
- qz/py alteration
- outcrop
- o72662 Assay sample location

ABBREVIATIONS

xl - crystal
porph - porphyritic
mgt - magnetite
slst - siltstone
mass - massive
qv - quartz vein
qz - quartz
x - small outcrop
bed - bedding
py - pyrite
sil - silicified
epi - epidote
chl - chlorite
lam - laminae
peb cong - pebble conglomerate
aph - aphanatic
bldr - boulder

GEOLOGY

INTRUSIVES

9di Equigranular, med- coarse grained diorite

SALMON RIVER FORMATION

7 Well bedded argillite and tuff

6frg Felsic framental,sedimentary matrix with felsic, pyritic clasts

DACITES

5ht Heterolithic lapilli tuff to tuff breccia

5rhy Massive flow banded rhyolite flows, breccias

BETTY CREEK FORMATION

3 Felsic volcanics

Story 7 claim boundary

6276000N 414000E

6276032N 414776E

6274000N 413000E

0 200 400 600m
SCALE 1:5000

HOMESTAKE

FIGURE 7.1

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,128

STORY 7 CLAIM
GEOCHEMISTRY

LEGEND

- 24|26 / Au|As / Sb — Soil sample geochemistry Au(ppb), As(ppm), Sb(ppm) (where - is <5)
- CL1 — Contour line soil sample location
- 12,23,4 — Contour line geochemistry Au(ppb), As(ppm), Sb(ppm) (where -is <5)
- N/S — Not sampled
- N/A — Not analysed

Contour interval is 100 feet

0 200 400 600 m
SCALE 1:5000

Story 7 claim boundary

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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HOMESTAKE

OK

FIGURE 8.0