Geological and Geochemical Summary Report on the Forgold Claim Group

Liard Mining Division, British Columbia

N.T.S. 104 B/15E

Longitude: 130° 35' West
Latitude: 56° 55'North

For

Ecstall Mining Corporation
Omega Gold Corporation
Manridge Explorations Ltd.

Submitted: November 21,1990

Tim J. Termuende B.Sc.(Geol)

Robert W. Termuende, P.Geol

International Kodiak Resources Inc.

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SUMMARY

Assessment work was carried out on the Forgold property by International Kodiak Resources, Inc. in July and August, 1990. The grassroots exploration programme consisted of stream sediment sampling, prospecting and reconnaissance geological mapping.

Extremely encouraging mineralization was discovered early in the programme on the Forgold 1 claim, and the focus of work subsequently shifted to this area. High-grade values to .89 oz/ton gold, 3.4 oz/ton silver, 16.8% copper, and 2.27% zinc were recovered proximal to a zone of intense alteration measuring 100m x 500m in size. Streams draining this area also returned highly anomalous gold, silver and copper values.

An epithermal-type mineralization system is indicated by the type and spatial orientation of mineralization and alteration, however much more work is required to gain a better understanding of the significance of the discovery.

INTRODUCTION

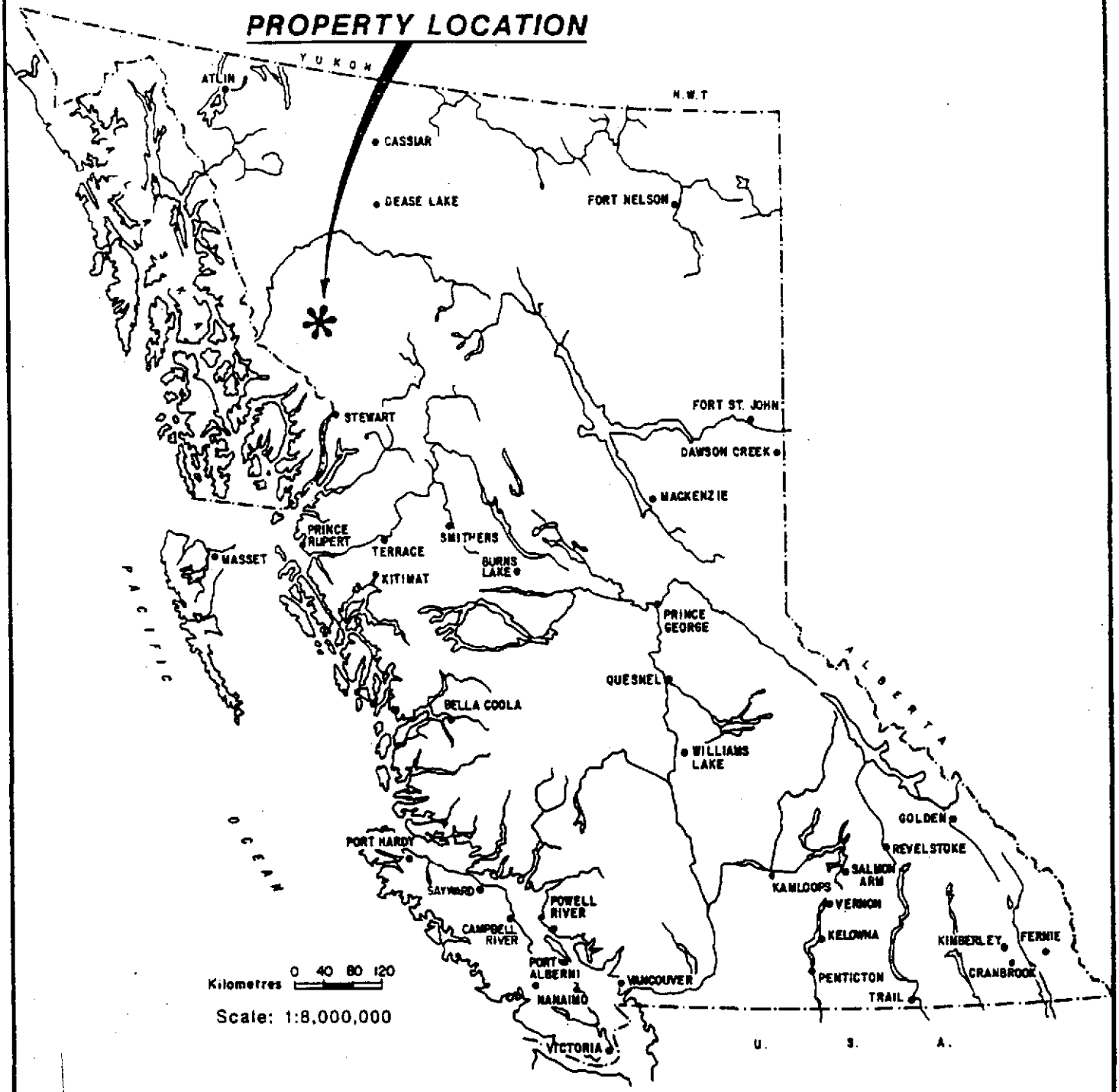
The Forgold Group of claims is located in the Liard Mining Division. The claim block is jointly owned by Ecstall Mining Corporation (25%) and Omega Gold Corporation (25%), and Manridge Explorations, who purchsed an option on the property, later transferred in part to Santa Marina Gold Corporation. The property comprises and area of 78 contiguous claim units. The claims are 23 kilometres north of Stikine Resources'/Calpine Resources' Eskay Creek deposit, 38 kilometres northeast of Skyline's Johnny Mountain Mine, and 42 kilometres northeast of Cominco's Snip deposit.

A work programme carried out by the B.C. Ministry of Energy, Mines and Petroleum Resources in the summer of 1989, consisted of geological mapping and geochemical surveys on streams and selected rocks in the Forrest Kerr and Iskut River areas. During the 1990 field season International Kodiak Resources completed a reconnaissance mapping and sampling programme consisting of prospecting and stream-sediment sampling.

LOCATION AND ACCESS

The Forgold Group is located 28 kilometres north of Calpine Resurces'/Stikine Resources' Eskay Creek gold project. The property is situated at a longitude of 130o38'W and latitude 56o55'N on N.T.S. map sheet 104 B/15E within the Liard Mining Division (see figure 1). The property at present is accessed only by helicopter from either Bell-2 along the Stuart-Cassiar Highway or from Stewart, B.C. Other means of access can be obtained by flying on regular scheduled flights from Smithers or Terrace, B.C. to Bronson Creek airstrip located on the Iskut River, and then by helicopter 40 kilometres to the Forgold claim.

A road presently under construction will come to within 1 kilometre of the International Kodiak Resources base camp (which serviced the 1990 exploration crew), and within approximately 6 kilometres of the property.



OMEGA GOLD CORPORATION
ECSTALL MINING CORPORATION

FORGOLD CLAIM BLOCK

LIARD MINING DIVISION, B. C.

LOCATION MAP

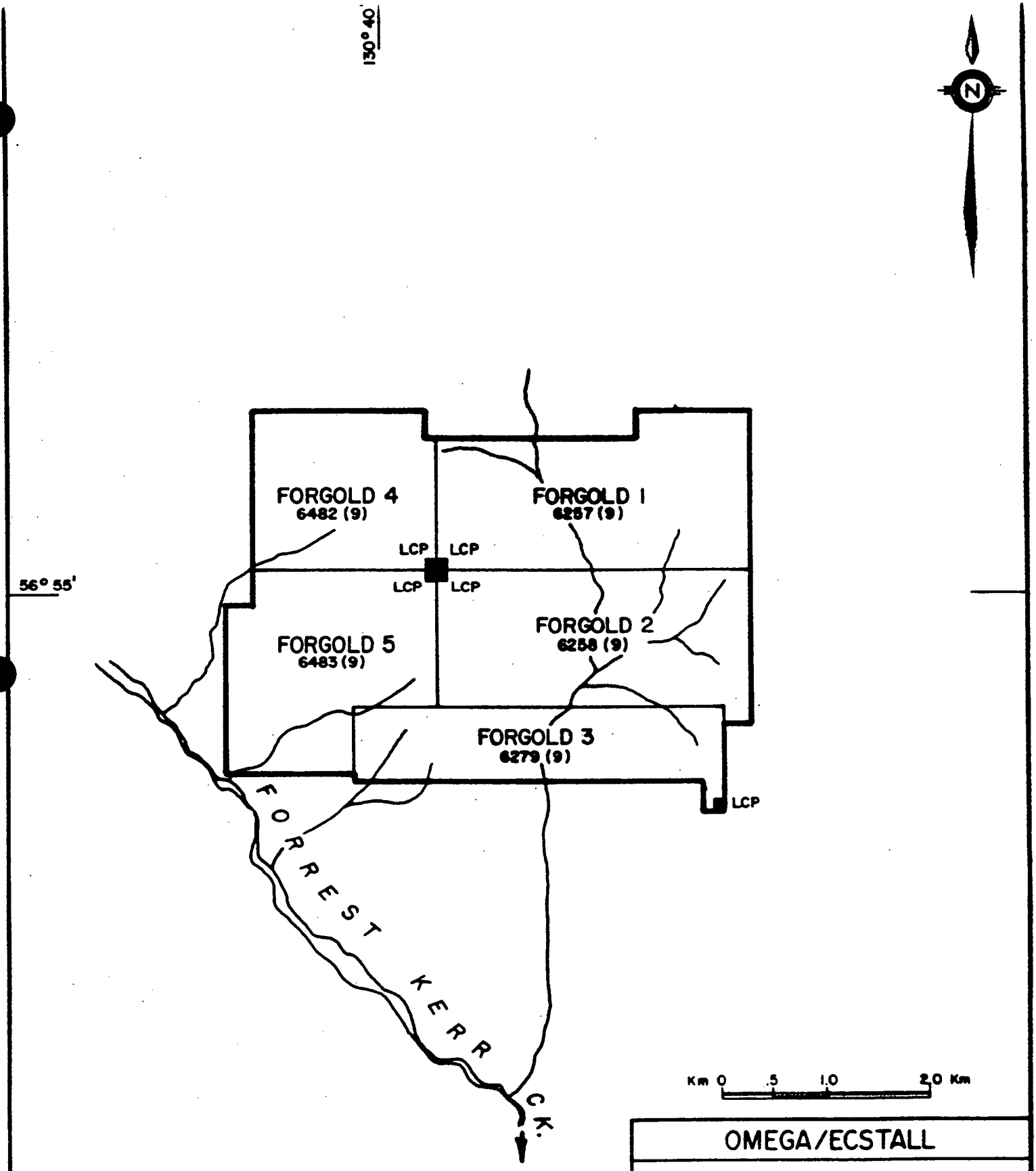
International Kodiak Resources		
Drawn: Geodrafting	Date: 11/90	FIGURE
Scale: 1:8,000,000	N.T.S. 104B/10	1

CLAIM STATUS

The Forgold Group consists of the Forgold 1-5 claims. The Forgold claims were staked for Ecstall Mining Corporation in September 1989, with a 50% interest later transferred to Omega Gold Corporation. The claims are located in the Liard Mining Division, N.T.S. Map Sheet 104B/15E (figure 2)

CLAIM	UNITS	RECORD #	EXPIRY DATE*
Forgold 1	18	6257	Sept. 2/91
Forgold 2	18	6258	Sept. 2/91
Forgold 3	14	6279	Sept. 2/91
Forgold 4	12	6462	Sept. 24/91
Forgold 5	16	6483	Sept. 24/91

* After filling the 1990 assessment purpose.



OMEGA/ECSTALL

FORGOLD CLAIM BLOCK
CLAIM MAP

LIARD MINING DIVISION, B.C.

International Kodiak Resources

DRAWN J.W.	DATE: 11/90	FIGURE 2
SCALE 1:50,000	N.T.S. 104 B/15W	

PHYSIOGRAPHY AND CLIMATE

The Forgold claim block is situated in the Boundary Ranges of the Coast Mountains. The property's elevation varies from 460m (1,500 ft.) along Downpour Creek to 1830m (6,000 ft.) along the ridge tops. The valley walls are steep and lightly vegetated. Recent glaciation has resulted in little forest growth with vegetation predominantly small scrub and knee-high alpine grasses. The westernmost area of the claims is densely forested, however, with stands of cedar, fir and hemlock stretching down to Forrest Kerr Creek. Slide alders and devils club make up much of the undergrowth, especially along gullies. Stream drainages are generally immature and contain only moderate amounts of detritus. Water is plentiful in the form of creeks, small ponds and groundwater seeps. Glaciers occur in the northernmost edge of the property.

Climatically, the Forgold property is under the influence of coastal weather patterns. The summer weather varies from warm days to cool, wet conditions. Up to 12m of snow can accumulate during the winter months. Normally, the property is workable from June until late September.

HISTORY

The Iskut River area has, for the most part, seen sporadic mineral exploration activity until very recently. The first documented mineral discoveries occurred around the turn of the century. Mineralization was discovered along the Iskut and Unuk Rivers, and in close proximity to the town of Stewart. Prior to World War II, small precious metal mines operated intermittently. The largest of these was the Silbak - Premier Mine which produced 41 million ounces of silver and 1.8 million ounces of gold between 1920 and 1985. After World War II, exploration was focused on large tonnage base metal deposits. Although several deposits were defined, only the Granduc Mine reached production, with published reserves of 10.9 million tons grading 1.79% copper. Exploration in the 1970's shifted toward precious metals, and several deposits have since been discovered; including the Reg (Johnny Mountain Mine) of Skyline Gold Corp., with 740,000 tons grading 0.52 ounces/ton gold, 0.67 ounces/ton silver, Cominco/Prime's Snip deposit, with over 1 million tons of 0.875 ounces/ton gold, and the Eskay Creek deposit (Calpine/Stikine) with preliminary reserves estimated at 4.36 million tons grading 0.77 ounces per ton gold, 29.12 ounces per ton silver, at a cutoff grade of 0.10 ounces per ton gold. (Northern Miner, 6 Oct., 90). Several companies are presently exploring for base and precious metal deposits, and some are in the feasibility and pre-feasibility stages of production, i.e., the Sulphurets deposit (Newhawk/Granduc)with 715,000 tons of 0.431 ounces/ton gold, 19.7 ounces/ton silver, and the SB deposit (Tenajon) with 308,000 tons grading 0.51 ounces/ton gold.

A review of government files indicated that work previous to 1988 had been undertaken on the claims or in the immediate area. The British Columbia Ministry of Energy, Mines and Petroleum Resources took some stream silt samples from the Forgold property in 1988 as part of their geochemical reconnaissance program. In 1989, the GSC and BCMEMPR undertook a regional mapping program which covered the Forgold claim block at a reconnaisance scale.

During the 1990 season, field crews of International Kodiak Resources completed prospecting and a geochemical survey program on the Forgold property. 136 samples were collected for geochemical analysis.

1990 PROGRAM

Total cost of the 1990 field programme on the Forgold 1-5 claims was $17,340, with 27.5 man-days spent on the property within the period July 8th to August 29th. A Total of 136 samples were taken over the course of the program; 90 rocks, 30 silts, 15 moss and 1 soil sample. The focus of the 1990 program was to complete a property-wide silt and lithogeochemical profile.

Preliminary silt-sampling of the west-facing slope of the Forgold 1 claim, however returned very encouraging concentrations of gold, silver and copper, as well as anomalous lead , zinc and mercury values. The focus of work subsequently shifted to this area, where significant mineralization was discovered over a 500m long trend.

Samples taken from the property were shipped to Loring Laboratories in Calgary, and later to Min-En Labs in Vancouver. Samples were dried, sieved to -80 mesh and dissolved in aqua-regia solution. All samples were analyzed by Au-geochem and 30 element I.C.P.. 15 high-grade samples were further fire assayed.

Work on the property was carried out by International Kodiak Resources Inc. of 606-675 W. Hastings St., Vancouver, BC. Crews were mobilised to the property daily by helicopter from a base camp located along the Iskut River 20 km to the southeast.

REGIONAL GEOLOGY

The Forgold property is located near the boundary between the Intermontane Belt and the Coast Plutonic Complex. It is underlain by the Stikine Terrane, a mid-Paleozoic to Mesozoic island arc succession. Mesozoic rocks are represented by volcanic rocks of the Triassic Stuhini Group, and the volcanic and subordinate sedimentary lithologies of the lower to Middle Jurassic Hazleton Group. This dominantly volcanic package is overlain by, and interfinger with successor basin clastics of the Bowser Basin.

An eastern facies and a western facies have been identified in the Upper Triassic Stuhini Group. The western facies can be traced from the Stikine River eastward at least to Snippaker Mountain. It is characterized by corraline limestone and polymictic cobble conglomerate, overlain by breccia, felsic tuff, shale and micrite. Laminated mafic and felsic tuff with coarse pyroxene phenocrysts are present near the top. The eastern facies lacks the thick limestone and felsic tuff units. Orange and black weathering,thin bedded siltstone and fine grained, feldspathic, locally calcareous greywacke distinguish this facies. Polymictic pebble conglomerate and shale are subordinate. Intermediate to mafic volcanics, breccias and conglomerates are typical.

A gradational contact between the Stuhini Group and the Hazleton Group has been mapped near the headwaters of the Unuk River (Anderson and Thorkelson 1990). Siltstone above the orange and black weathering siltstones and shales becomes increasingly siliceous, and greywackes and conglomerates grow more abundant. this conglomerate is present as discontinuous lenses and consists of clast-supported porphyritic andesite and dacite clasts. The uppermost strata in this transitional zone consist of laminated siliceous siltstone, fine grained greywacke, minor coarser grained greywacke and matrix to clast supported conglomerate.

Mineralization at the Snip deposit is hosted within the Stuhini Group and is believed to have occurred during the Upper Triassic. Several other deposits have been found in the Stuhini Group; including the Kerr, the Doc, the Inel and the Stonehouse.

The Hazleton Group has been divided into three heterogeneous formations: the Lower Jurassic Unuk River Formation and Betty Creek Formation, and the Lower to Middle Jurassic Salmon River Formation. In addition, a regional marker unit, the Mt. Dillworth formation, has been identified regionally between the Betty Creek and Salmon River Formations, and has come to gain informal status as a formation. Some workers (e.g., Grove, 1986) have identified a fourth and uppermost formation in the Hazleton Group, the Nass Formation. However, this package of rocks includes Bowser Basin rocks and should not be included in the Hazleton Group, which encompasses the Stikine Arch (Anderson and Thorkelson, 1990).

The volcanic sequences of the Unuk River Formation are characterized by basal pyroclastic flows that are progressively overlain by tuffs, argillites, local andesitic breccia, and finally conglomerates with interbedded tuffs, wackes and siltstones.

The Betty Creek Formation unconformably overlies the Unuk River Formation is comprised of maroon to green volcanic siltstone, greywacke, conglomerate, breccia, basaltic pillow lavas and andesitic flows. the conglomerate / breccia unit consists of matrix supported pebble to boulder sized clasts of aphanitic to porphyritic andesite fragments.

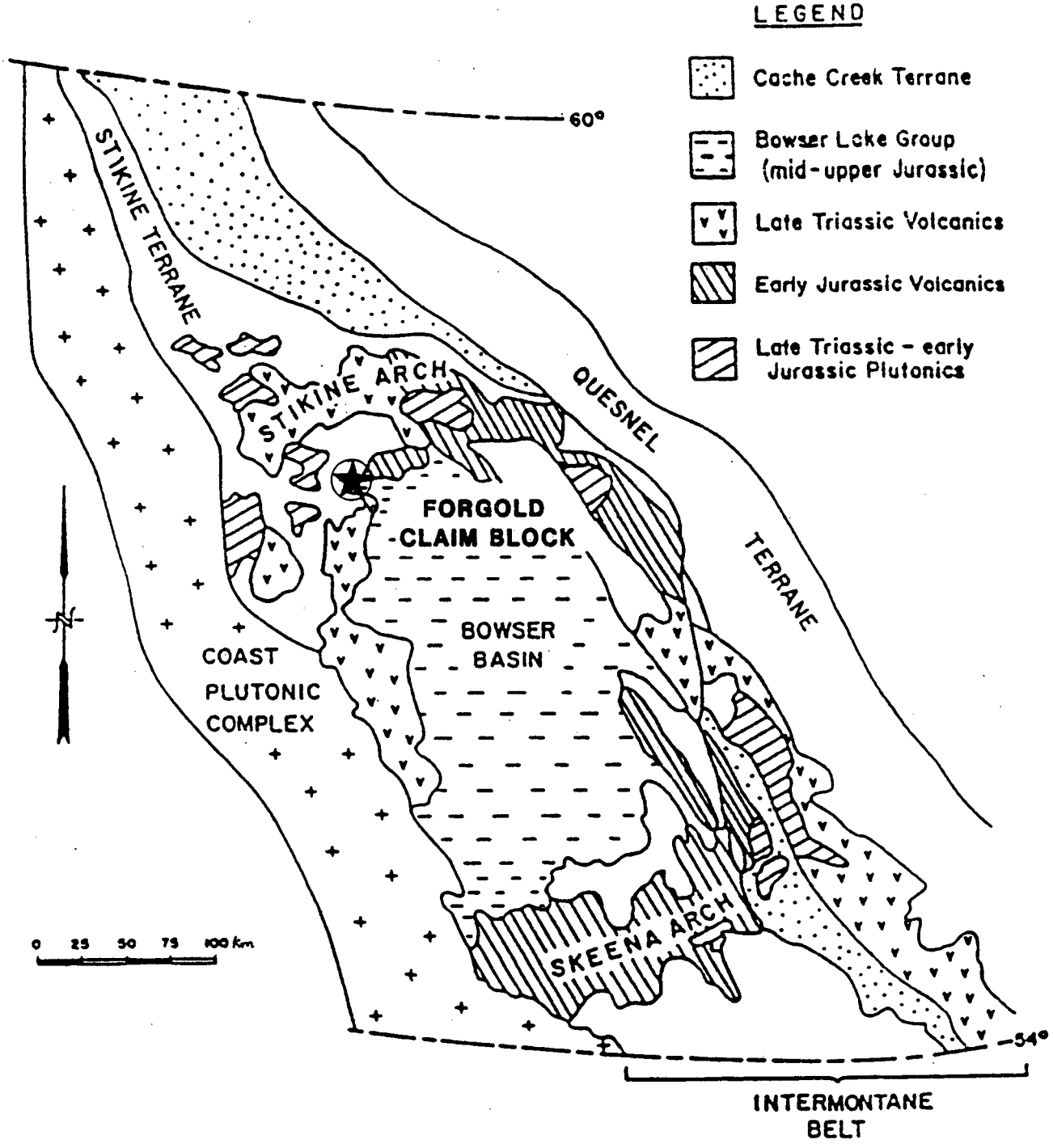
Overlying these rocks is the Mt. Dilworth formation (Britton et al., 1989; Anderson and Thorkelson, 1990), a regional marker unit consisting of tuff breccia, felsic tuff and dust tuff. These tuffs range from unwelded to welded, and aphyric to sparsely phyric.

The lower member of the Salmon River Formation ranges along strike from a limy argillite to limy greywacke to a sandy limestone. In most localities it is too thin to map, but it thickens in towards the north and northwest to at least 1500m of siltstones, greywackes and rare fossiliferous limestones south of Telegraph Creek.

The upper member of the Salmon River Formation is made up of three distinct facies from east to west: the Snippaker Mountain facies, the Eskay Creek facies, and the Troy Ridge facies. the gold deposit presently being defined at Eskay Creek is stratabound in Eskay Creek Facies rocks. This medial facies extends 50-60 kilometers north and south along strike from the deposit. The Eskay Creek facies comprises aphyric to augite phyric pillow basalts with interfingered siltstone, tuffaceous wacke and conglomerate. To the west, the Snippaker Mountain facies consists mainly of volcanic breccia. The eastern Troy Ridge facies comprises shales with interbedded tuffs and breccias (Anderson and Thorkelson, 1990).

At the end of the Middle Jurassic, the volcanic complex was uplifted to produce the Stikine Arch, which shed detritus into the adjacent Bowser Basin. These sediments form the Middle and Late Jurassic Bowser Lake Group sediments.

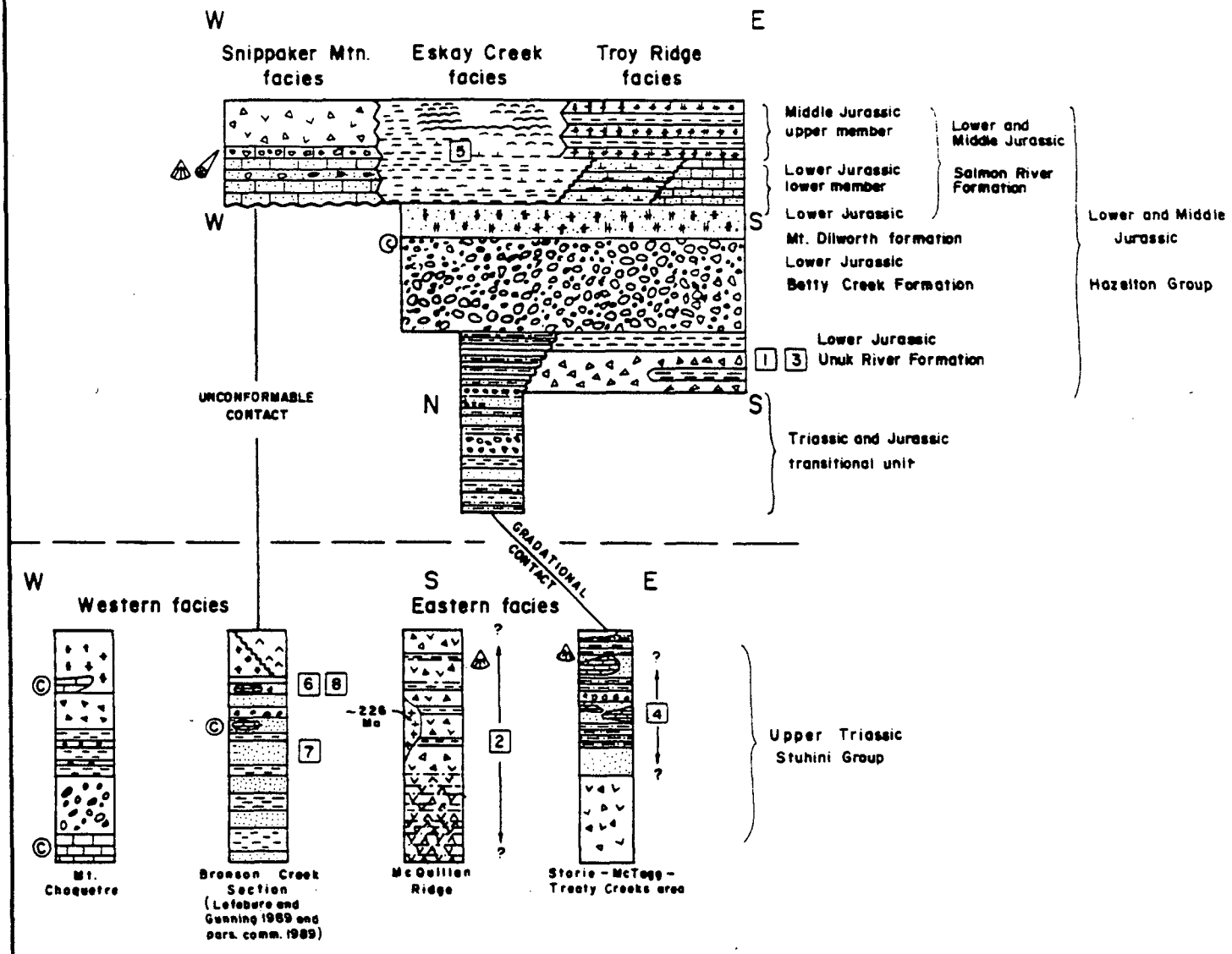
The volcanic and sedimentary rocks were subsequently intruded by granitoid intrusions associated with the Coast Plutonic Complex. Intrusive activity is interpreted to have occurred from the Middle Cretaceous to the Early Tertiary. Late stage (Quaternary) basaltic volcanism resulted in widespread deposits of columnar basalt flows, ash and tephra, and scattered cinder cones. Much of these rocks were buried and / or eroded through glacial activity in the Pleistocene.



REGIONAL GEOLOGY
BOWSER BASIN
NW BRITISH COLUMBIA

(Outline of terrane boundaries and major rock groups of the Jurassic and Triassic – modified from Thomson, 1985).

FIG. 3



LITHOLOGY

- Volcanic breccia
- Intermediate, mixed and mafic tuff
- Felsic tuff, breccia and turbidite (in Eskay Creek facies)
- Pillow lava
- Shale and siliceous shale (in T - J transitional unit and Troy Ridge facies)
- Limy shale and shaly limestone (Eskay Creek facies)
- Limestone
- Sandy limestone in southern lower member of Salmon River formation
- Limy greywacke
- Siltstone siliceous siltstone (in T - J) transitional unit) and wavy laminated siltstone (Stuhini Group)
- Greywacke (feldspathic greywacke in T Bronson Creek section, Stuhini Group)
- Monolithic and heterolithic volcanic conglomerate
- Epiclastic siltstone, greywacke, breccia and conglomerate (Lower Jurassic Betty Creek formation)
- Quartz monzodiorite

SYMBOLS

- © Conodont fauna
- © Ammonites
- Halobia or Monotia
- Weyla
- Belemnites
- Facies change

[8] - Approximate or uncertain stratigraphic position of precious metal veins for: 1. PREMIER 2. DOC 3. SULPHURETS CAMP 4. KERR 5. ESKAY CREEK 6. INEL 7. SNIP 8. STONEHOUSE

From G.S.C. PAPER 90 - 1F

Schematic facies changes in Triassic and Lower and Middle Jurassic strata. Facies changes occur toward the east and northeast for Upper Triassic Stuhini Group and both south to north and east to west for Upper and Middle Jurassic Salmon River Formation in Iskut River map area.

Figure 4

LOCAL GEOLOGY

(See Map 1, in pocket)

Property geology was mapped on a regional scale by BCMEMPR geologists Drobe, Koyanagi, and Logan in 1989. Their work reveals that the property area is underlain primarily by pre-Permian metavolcanic fragmentals ranging from mafic to felsic compositions with interlayered limestone and schist lenses. Pillow basalts of Jurassic age outcrop in the central part of the claim block, with upper Triassic Stuhini Group volcanics and sediments exposed along the western boundary. Intrusives of unknown age are present within the property area, and consist of hornblende quartz diorite and medium grained, grey- weathering granodiorite. A broad (300-400m wide) band of weakly convoluted sedimentary rocks including weakly calcareous argillites, limestones and ankerite occur on the west side of the Joy creek valley. These ankeritic rocks weather to bright orange and form a series of gossanous zones where they outcrop along the valley wall.

Faulting in the property area has been mapped by government geologists and is indicated by lithologic juxtapositions and noticeable breaks in slope. The most significant structure bisects the property and positions Permian rocks adjacent Triassic units. Faulting is predominantly north/south oriented and is interpreted to by strike-slip in nature. Folding is evidenced in the property area by variable bedding/foliation attitudes.

MINERALIZATION

Exciting mineralization was discovered within the Forgold 1 claim within the Joy Creek valley, along the west-facing slopes at elevation 4000-4500 feet. Both base and precious metal mineralization were located in high-grade concentrations, apparently related to an extremely leached, sericitic alteration zone trending north-south at a constant elevation along the valley wall.

Mineralization consists of gold and silver-bearing pyrite and chalcopyrite stringer veins within an intermediate crystal to lapilli tuff with andesitic horizons and local moderate to intense chloritic and siliceous alteration. Galena, sphalerite, haematite and arsenopyrite were also noted in the showings area, as well as secondary copper minerals such as azurite, malachite, bornite and covellite. Mineralization is thought to be part of an epithermal-type system.

The intense alteration band is easily recognised and forms a light yellow band across the slope roughly 100m wide and 500m long. This band is located directly upslope of the high grade mineralization and may be a leached cap rock typical of epithermal systems. This material was channel-sampled in a number of areas and failed to return any significant metal values.

Much of the property is yet unexplored and may well contain other similarly mineralized zones as were discovered on the Forgold 1 claim.

RESULTS

(see Maps 2-5,in pocket)

Results of the 1990 program were extremely encouraging. Highly anomalous base and precious metal values were recovered from an area within the Forgold 1 claims. Grab samples grading up to .89 oz/ton (30.50 g/t) Au and 15.85 % Cu (#ISMR085), .28 oz/ton (9.60 g/t) Au (#ISMR080), 16.8% Cu (#IRWR382), and .128 oz/ton Au and 2.27% Zn (#IRWR392) were recovered. As well, highly anomalous silt-sample values were recovered from a number of streams draining the same general area. Sample #ITTS138 (silt) returned values of 59.1 ppm Ag, 3181 ppm Cu, and 3120 ppb Au.

Elsewhere in the property area, stream sediment sampling failed to produce other than normal background mineral concentrations.

Geologic mapping, though limited, did confirm the presence of 1 major fault structure bisecting the claim group, striking north-south through the Forgold 1-3 claims. This fault system or systems may be the catalyst or conduit for the mobilization of minerals noted within the property area.

CONCLUSIONS AND RECOMMENDATIONS

Clearly the Forgold property is a significant and promising one. The discovery of high grade base and precious metal mineralization in an area already known for its ubiquitous mineral wealth provides an extremely encouraging outlook. The number of showings and the grade and character of mineralization uncovered during such a short and relatively preliminary programme leaves little doubt that in depth study could only produce even more encouraging results. Considering all the factors, the potential for economic mineralization is significant.

It is apparent that the mineralized zone extends northward, beyond the property boundary of the Forgold 1 claim. With this in mind, it is imperative that Legal Corner Posts for claims immediately to the north be located and surveyed in. Since the Forgold claims were staked adjacent to existing claims, the exact amount of overlap must be determined before any large-scale work is commenced.

The showing area should see emplacement of a tight-chained, picketed control grid upon which detailed geologic mapping and geochemical and geophysical surveys be conducted. Trenching of existing showings should be undertaken in order to better understand the mineralizing process(es). The terrain is suitable for the use of a small-backhoe, which could be mobilized to the property by Bell 205 helicopter from Bob-Quinn, 30 km to the east. Contingent on favorable results from this work, diamond-drilling of promising areas should be completed.

Further prospecting should also take place, particularly along the horizon seen to host the mineralization. Silt sampling of streams not covered by the 1990 program should also be undertaken, as well as property-wide, comprehensive geological mapping.

Statement of Qualifications

I, Tim J. Termuende of 1701 Mt. Nelson Crescent, Cranbrook, BC. do hereby certify that:

1/ I am a contract geologist in the employ of International Kodiak Resources, Inc., with offices at 606-675 West Hastings Street, Vancouver, B.C.

2/ I am a graduate of the University of British Columbia of Vancouver, BC, having received a B.Sc. in Geological Sciences in 1987.

3/ I am the author of this report and my findings are based on work undertaken on the property between July 8th and August 29th, 1990

4/ I have no interest, direct or indirect, in Manridge Explorations, Ltd., or Ecstall Mining Corp. I do hold 10,000 shares of Omega Gold Corporation. I have no interest in the Forgold property nor do I expect to receive any such interest.

5/ This report may be used by Manridge Explorations Ltd., Ecstall Mining Corp. or Omega Gold Corp., in whole or in part, as they so require.

Dated at Cranbrook, British Columbia this 16th day of November, 1990

Tim J. Termuende B.Sc.(Geol)

Statement of Qualifications

I, Robert W. Termuende of 311-475 Howe St., Vancouver, hereby certify that:

1/ I am a graduate of the University of British Columbia of Vancouver, BC., having obtained a bachelors degree in Geology in 1956.

2/ I am a professional geologist, registered and in good standing with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

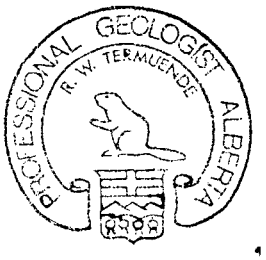
3/ I have practised my profession for 25 years in Canada and the United States.

4/ I personally inspected the Forgold property in August, 1990 with geologists of International Kodiak Resources Inc.

5/ I have no interest in the Forgold property, nor do I expect to receive any.

Dated, this 16th day of November, 1990 at Cranbrook, BC

Robert W. Termuende, P.Geol



References

Alldrick, D.J. (1988): Volcanic centres in the Stewart Complex. (103P and 104A,B). B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork 1988,Paper 1989-1, pages 233-240.

Anderson, R.G. (1989): A Stratigraphic,plutonic, and structural framework for the Iskut River Map Area, northwestern British Columbia; in Current Research, Part E, Geological Survey of Canada, Paper 89-1E, pages 145-154.

Anderson, R.G., Thorkelson, D.G. (1990): Mesozoic Stratigraphyand Setting Forgold Some Mineral Deposits in Iskut River Map area,Northwestern British Columbia; in Current Research, Part E, Geological Survey of Canada, Paper 90-IF, pages 131-139.

Britton, J.M., Webster, I.C.L., and Alldrick, D.J. (1989): Unuk Map Area (104B/7E, 8W, 9W, 10E). B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork, 1988, Paper 1989-1, pages 241-250.

Britton, J.M., and Alldrick, D.J. (1988): Sulphurets Map Area (104A/05W, 12W,: 104B/08E, 09E). B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork, 1987, Paper 1988-1, pages 199-209.

Drobe, J.R., Koyanagi, V.M., and Logan, J.M. (1990): Geology of the Forrest - Creek Area, Northwestern British Columbia (104 B/15); in BC Ministry of Energy Mines and Petroluem Resources Geological Fieldwork 1989, Paper 1990-1, pages 127-139.

Franklin, J.M., Lyndon, J.W. and Sangster, D.M. (1982): Volcanic - Associated Massive Sulphide Deposits; in Economic Geology Seventy-Fifth Anniversary Volume, Pages 485-627.

Grove, E.W. (1971): Geology and Mineral deposits of the Stewart Area, British Columbia. B.C. Ministry of Energy, Mines and Petroleum Resources Bulletin 63.

Grove, E.W. (1986): Geology and Mineral Deposits of the Unuk River - Salmon River - Anyox Area. B.C. Ministry of Energy, Mines and Petroleum Resources Bulletin 63.

Kerr, F.A. (1982): Lower Stikine and Western Iskut River Areas, British Columbia. Geological Survey of Canada Memoir 246, pages 31-34.

Nicholson, J.A., Robb, W.A. and Sampson, C. (1990): Geochemical and Geological Report on the Story Claim Group, Skeena Mining Division, B.C. Assessment Report for Golden Arrow Resources, Inc.

Panteleyev, A. (1986): A Canadian Cordilleran Model for Epithermal Gold - Silver Deposits; reprinted in Ore Deposit Models, Geological Association of Canada Reprint Series 3, pages 31-44.

Appendix i
Statement of Costs

Cost Breakdown

Project: Forgold

Geological Program

Personnel	
6.5 man-days @ $275/day	$ 1,787.50
10 man-days @ $240/day	2,400.00
5.0 man days @ $225/day	1,125.00
6.0 man-days @ $200/day	1,200.00
Helicopter	
3.2 hours @ $725/hour	2,320.00
Room and Board	
27.5 man-days @ $125/day	3,437.50
Field Supplies	
27.5 man-days @ $20/day	550.00
Samples	
90 Rock @ $20/sample	1,800.00
1 Soil @ $20/sample	20.00
45 Silt @ $20/sample	900.00
15 Assays @ $20/sample	300.00
Miscellaneous	
Office, Report Preparation and Drafting	1,500.00
TOTAL:	$ 17,340.00

Appendix iv
Analytical Results

GEOCHEMICAL ANALYSIS CERTIFICATE

Loring Laboratories Ltd. PROJECT 33533 File # 90-2721 Page 1

629 Beaverdam Road N.E., Calgary AB T2K 4W7

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %
I-BC-R 036	1	79	6	104	.1	10	31	1175	8.24	9	5	ND	1	39	.9	2	2	202	4.10	.022	2	32	3.26	74	.01	2	4.25	.04	.11
I-BC-R 037	1	49	5	64	.1	5	22	746	5.88	8	5	ND	1	81	.2	2	2	222	3.29	.034	3	38	1.74	93	.08	3	3.53	.18	.09
I-BC-R 038	1	4	2	14	.1	5	3	246	1.24	2	5	ND	4	30	.2	2	2	19	1.98	.009	8	125	.22	26	.01	3	.41	.07	.02
I-CC-N 083	33	103	554	165	.1	25	18	1760	4.44	21	4255	ND	1	35	.5	2	11	72	.56	.112	13	30	1.13	213	.05	6	2.63	.02	.13
I-LG-R 067	1	313	6	51	.1	12	25	664	5.95	8	5	ND	1	51	.2	2	2	178	4.54	.061	5	43	1.70	41	.01	3	2.82	.05	.11
I-LG-R 068	1	32	2	70	.1	14	20	1038	6.56	4	5	ND	1	45	.2	2	2	143	3.39	.050	2	37	1.78	16	.01	2	.78	.04	.01
[redacted]	1	174	3	43	.2	38	23	423	4.42	5	5	ND	1	84	.2	2	2	78	1.29	.042	2	58	1.19	101	.29	2	2.10	.13	.05
I-MB-M 084	12	120	160	110	.1	26	13	782	3.46	15	1095	ND	1	77	.6	3	2	91	1.68	.122	7	58	1.08	136	.12	12	1.79	.03	.41
I-MB-M 085	7	76	97	158	.1	46	22	1108	5.61	23	640	ND	1	32	.7	2	3	97	.91	.104	16	40	1.75	165	.12	6	2.77	.03	.17
I-MB-M 086	2	82	31	175	.1	58	26	1359	5.51	24	35	ND	1	65	1.0	2	2	94	1.28	.139	23	67	1.60	260	.15	6	3.08	.02	.16
STANDARD C	18	57	40	132	7.3	65	29	1001	3.96	41	19	7	38	53	17.9	16	19	57	.51	.094	38	57	.93	181	.09	34	1.93	.06	.14

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. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Pulp

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
I-MB-M 087	6	227	61	136	.1	56	23	1050	5.65	20	379	ND	5	38	.8	3	2	129	.81	.099	12	72	2.03	111	.16	3	2.76	.03	.23	2
I-MB-S 088	15	37	17	136	.1	18	16	1970	4.49	11	5	ND	1	40	1.0	2	3	102	.88	.052	13	30	1.10	93	.13	2	2.36	.02	.05	1
I-MB-S 089	5	79	13	209	.1	54	21	1263	6.02	23	5	ND	1	39	2.2	2	2	117	1.22	.064	13	68	1.92	83	.24	4	3.11	.03	.06	1
I-SM-R 017	1	3598	185	316	2.9	2	3	2630	2.94	2	5	ND	2	50	3.0	5	6	26	1.97	.140	23	41	.81	254	.01	6	1.43	.02	.30	1
I-SM-R 018	1	99999✓	126	667	97.2✓	1	11	265	23.53	2	8	ND	1	4	3.9	2	2	18	.01	.001	3	41	.35	5	.01	2	.77	.01	.05	1
I-SM-R 019	1	9000	43	112	8.9	4	12	988	8.94	19	5	ND	1	9	.2	2	16	29	.03	.081	2	217	.31	7	.01	2	.79	.01	.08	16
I-SM-R 020	3	4309	2	12	.8	8	1	1239	1.37	10	5	ND	1	429	.2	2	7	8	31.07	.010	5	12	.39	42	.01	2	.30	.01	.09	1

To: INTERNATIONAL KODIAK,
606, 375 West Hastings Street,
Vancouver, B.C. V6B 1N2

ATTN: John Nicholson
cc: S. Jaycox -Smithers

File No. 33533-SM
Date July 20, 1990
Samples Rock
Ref. # 0011 Smithers

Certificate of Assay
LORING LABORATORIES LTD.

Page # 6

SAMPLE NO.	PPB Au
I-LG-R-067	NIL
068	60
I-SM-R-017	NIL
018	750
019	+1000
020	20

To: INTERNATIONAL KODIAK,
606, 675 West Hastings Street,
Vancouver, B.C. V6B 1N2

ATTN: John Nicholson
cc: S. Jaycox -Smithers

File No. 33533-SM
Date July 20, 1990
Samples Sediment
Ref. # 0011 Smithers

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	PPB Au
Geochemical Analysis	
I-MB-S-088	NIL
089	NIL

TO: [redacted]
606, 675 West Hastings Street,
Vancouver, B.C. V6B 1N2

ATTN: John Nicholson
cc: S. Jaycox -Smithers

File No. 33533-SM
Date July 20, 1990
Samples Rock
Ref. # 0011 Smithers

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD
"Assay Analysis"	
I-SM-R-019	0.068

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

[redacted]ects retained one month.
[redacted]ulps retained one month
unless specific arrangements
are made in advance.

Assayer

[redacted]

606, 675 West Hastings Street,
Vancouver, B.C. V6B 1N2

[redacted]

ATTN: John Nicholson

cc: S. Jaycox -Smithers

File No. 33533-SM
Date July 20, 1990
Samples Moss
Ref. # 0011 Smithers

Certificate of Assay
LORING LABORATORIES LTD.

Geochemical Analysis

SAMPLE NO.	PPB Au
I-CC-M-083	150
084	55
085	45
086	20
087	25
[redacted]-006	5
008	15
010	5
051	NIL
058	5

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

[redacted]

Rejects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.

Assayer

MS

	Au(ppb)
I-BC-R-036	NIL
037	NIL
038	NIL

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.

Assayer

(TERNATIONAL)
[redacted]
.NICHOLSON

MIN-EN LABS — [redacted]EPORT

705 WEST 15TH ST., NORTH VANC[redacted]ER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO [redacted]-RJ4
DAT[redacted]90/07/24
* ROCK * (ACT:F31)

	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
[redacted]	.1	14700	1	2	252	1.0	1	4450	.8	8	35	22680	3580	27	6650	154	4	830	47	680	46	1	20	1	1	45.2	209	1	1	1	74	10
[redacted]	.1	16940	2	2	261	1.4	1	2380	.1	9	51	26590	4400	25	6920	78	2	510	54	520	44	1	12	1	1	40.6	75	1	1	1	53	5
[redacted]	.1	20230	6	3	378	1.2	1	1900	.1	8	37	26270	5040	33	9650	129	2	700	52	510	47	1	8	1	1	48.6	50	2	1	2	79	5
082	.1	10450	1	4	238	.6	1	1240	.1	14	67	61110	2890	4	2630	27	1	820	1	880	36	1	6	1	1	84.5	13	1	1	1	15	10

COMP: INTERNATIONAL KODIAK
PROJ: UNUK
ATTN: G.NICHOLSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0381-RJ1
DATE: 90/09/05
• ROCK • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB	HG PPB
I-TT-R-111	.2	1300	52	1	266	.1	1	7780	.1	1	10	4890	220	2	670	117	1	190	2	50	18	4	1	1	1	6.0	10	1	1	5	148	45	100
I-TT-R-112	.9	6120	42	5	2968	.3	1	33060	.1	19	38	52430	610	8	17410	1064	1	110	1	690	22	2	25	1	1	150.9	76	1	2	1	1	5	165
I-TT-R-113	1.1	3860	36	3	270	.1	1	41250	.1	17	5	30970	150	4	27950	1247	1	200	165	90	17	2	14	1	1	44.4	37	1	1	8	232	5	135
I-TT-R-115	.8	5800	14	5	170	.1	1	43350	.1	29	123	54430	340	5	32840	1308	1	260	14	10	8	1	1	1	1	224.5	72	1	2	2	48	10	105
I-TT-R-116	.5	6200	35	5	137	.1	1	36760	.1	15	22	44360	740	6	14630	1353	1	290	28	460	16	1	1	1	1	104.5	47	1	1	3	79	5	95
I-TT-R-118	.7	11020	34	5	84	.1	1	36840	.1	20	29	50160	2590	12	5040	1105	1	230	6	870	19	1	20	1	1	77.7	53	2	1	1	13	10	145
I-TT-R-121	.4	2540	40	1	103	.2	1	1570	.1	5	27	22060	1880	1	470	37	1	40	1	140	9	1	3	1	1	7.6	3	1	1	1	68	80	140
I-TT-R-122	.7	4270	23	2	114	.1	2	870	.1	7	13	32520	3320	1	410	11	1	30	1	110	9	1	2	1	1	9.7	1	1	1	1	25	40	75
I-TT-R-123	2.1	3420	49	3	46	.1	1	6450	.1	17	15	50480	2610	1	320	231	1	30	1	540	12	1	3	1	1	13.0	3	1	1	1	35	180	85
I-TT-R-125	12.0	2370	34	1	89	.1	1	390	.1	12	1312	42400	2230	1	260	16	9	20	1	130	80	2	2	1	1	8.8	5	1	1	2	90	530	195
I-TT-R-127	.3	13450	58	2	46	.4	1	10050	.1	8	40	35570	5050	7	5750	1071	1	60	1	1040	12	1	3	1	1	22.2	57	1	1	1	29	90	260
I-TT-R-128	.3	21460	44	3	51	.3	1	13190	.1	12	88	49120	4290	14	12940	2251	1	50	1	1190	14	1	6	1	1	32.1	107	2	1	1	1	120	125
I-RW-361	.7	12290	21	6	114	.3	1	37470	.1	12	22	50900	600	9	22930	2023	1	330	1	1070	16	1	7	1	1	60.7	64	1	2	1	7	10	215
I-RW-362	1.3	3650	1	3	98	.3	1	65620	.1	10	30	40490	270	2	47970	2304	1	540	1	390	8	1	9	1	1	54.4	98	1	2	1	11	5	95
I-RW-363	.1	7480	8	4	53	.1	1	5790	.1	17	199	54210	600	3	1910	2260	1	310	1	1710	15	1	2	1	1	84.1	92	1	1	1	1	10	310
I-RW-364	.7	8410	25	6	53	.4	1	29300	5.6	19	172	51450	1230	5	1470	1635	1	100	1	930	121	1	1	1	1	152.2	881	1	1	1	1	5	345
I-RW-365	1.9	3620	1	4	210	.1	2	93860	.1	15	46	50580	250	2	50150	2642	1	330	1	470	19	3	1	1	1	94.7	248	1	2	1	7	5	115
I-RW-366	1.8	4830	59	6	19	.1	2	104740	.1	15	44	58340	290	2	34180	3115	1	160	1	500	27	4	1	1	1	134.0	322	2	2	1	1	10	105
I-RW-367	1.7	3890	59	4	32	.1	2	53360	.1	12	42	38830	300	2	37010	1867	1	210	4	280	30	2	80	1	1	106.2	203	1	2	1	26	10	75
I-RW-368	1.3	8730	90	6	339	.1	1	40140	.9	22	333	55980	400	7	17810	1751	1	310	1	970	80	4	3	1	1	175.3	395	2	1	1	1	5	85
I-RW-369	1.9	3570	17	3	10	.4	2	105990	.1	15	17	31530	280	2	45890	978	1	40	87	220	8	4	20	1	1	70.6	58	1	2	1	65	5	320
I-RW-371	1.4	3000	63	1	105	.1	1	6040	.6	1	14	7390	2760	1	1020	57	2	50	1	210	137	1	3	1	1	6.0	140	1	1	1	35	5	105
I-RW-372	4.3	3640	132	1	54	.2	1	5300	2.6	3	34	20340	3070	1	860	35	1	30	1	120	378	2	4	1	1	3.7	122	1	1	1	32	370	299
I-RW-374	3.0	7090	43	3	65	.4	1	18940	.1	6	8	50190	2570	2	5520	985	4	100	1	1030	51	2	15	1	1	5.7	131	1	1	1	1	5	3450

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COMP: INTERNATIONAL KODIAK RESOURCES
PROJ: UNUK
ATTN: G.NICHOLSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OV-1106-RJ1
DATE: 90/08/
* ROCK * (ACT:F3

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB	HG PPB
[redacted]-SM-R-020	6.3	34990	1	5	67	.3	4	2500	18.6	55	998	126390	1430	13	23970	1374	1	60	7	300	290	1	1	1	1	133.6	2734	1	1	1	60	5	34
[redacted]	3.5	30250	1	3	75	.1	9	22950	.1	36	62	66770	250	12	39180	1064	1	720	71	1030	8	1	1	1	1	186.4	100	1	1	3	122	5	9
[redacted]	2.4	40360	1	1	79	.1	7	22910	.1	38	54	69370	1450	11	35320	1128	1	1990	14	1170	8	1	16	1	1	224.7	75	1	1	1	28	5	9
	4.1	3010	27	1	135	.3	1	1840	.1	4	12	21240	2470	1	930	42	14	110	1	470	35	1	3	1	3	7.3	11	2	1	1	56	5	71
	1.2	7280	1	8	108	.9	1	14900	.1	17	14	48210	4400	1	6800	414	12	40	1	1460	28	1	11	1	1	22.1	38	1	1	1	31	5	19
	1.4	27000	1	1	82	.4	4	9110	.1	20	792	62890	1020	6	25210	1922	1	70	1	1210	14	1	17	1	1	104.0	89	1	1	1	27	5	9
	.3	13680	1	1	144	.7	1	3130	.1	6	12	28220	1790	3	10550	662	3	290	1	1320	18	1	3	1	1	48.7	42	2	1	1	48	10	10
	1.7	10820	1	1	89	.2	4	5130	.1	7	22	29360	1840	3	9400	553	9	270	1	1250	30	1	2	1	1	57.2	32	3	1	3	94	5	42
	1.3	17470	1	1	189	.4	5	7690	.1	13	41	39220	1250	5	14420	1344	1	670	1	1360	21	1	9	1	1	83.7	92	1	1	1	44	5	10
	2.3	25380	1	1	36	.1	8	13600	.1	20	16	56940	250	5	19050	1307	1	440	20	1470	8	1	38	1	1	109.3	62	1	1	3	85	5	8
	4.4	18920	1	2	16	.3	3	13040	.1	32	830	83100	470	3	8380	715	4	40	1	410	16	1	57	1	1	82.5	26	1	1	3	94	5	9
	.4	14680	1	1	95	.7	3	3220	.1	11	32	42250	1250	4	12030	870	4	280	1	850	16	1	2	1	1	54.8	38	2	1	3	103	5	8
	.5	40850	1	3	132	.5	1	10100	.1	22	151	92450	2130	15	19400	1326	1	240	1	4260	33	1	12	1	1	83.3	181	1	1	1	1	5	14
	1.1	33330	1	7	167	.1	3	11090	.1	29	92	138830	3220	9	12090	763	1	150	1	5380	53	1	29	1	1	68.1	62	1	1	1	1	5	12
	1.7	32370	1	2	231	.3	7	8020	.1	19	40	50340	6020	14	12500	735	1	480	3	620	8	1	2	1	1	75.1	74	1	1	1	22	5	10
	1.1	8520	16	3	126	.6	1	67660	.1	19	35	50050	1290	3	24320	1183	1	810	22	520	17	1	15	1	1	74.9	33	1	3	1	58	5	7
	.1	37190	1	4	57	.3	1	12970	.1	30	75	108760	1560	11	16900	1092	1	130	1	6260	36	1	18	1	1	85.5	83	1	1	1	1	5	14
	.3	12240	1	1	105	.8	1	15720	.1	10	19	28540	3500	3	9170	1187	1	330	5	1070	19	1	7	1	1	27.8	109	1	1	1	30	5	8
	1.9	33460	1	1	506	.4	6	10480	.1	12	45	47260	4280	3	11090	421	1	820	1	740	8	1	8	1	1	51.9	37	1	1	1	7	5	7
	2.1	21190	1	1	271	.1	7	8480	.1	16	45	42150	3110	3	10980	253	1	700	3	600	16	1	4	1	1	57.2	52	1	1	1	24	10	9
	2.0	28170	1	1	149	.2	6	8020	.1	16	84	48290	3790	3	10350	700	1	2280	1	1000	23	1	4	1	1	40.4	34	1	1	1	1	5	7
	1.2	27240	1	1	129	.1	4	12450	.1	17	65	48330	2990	3	11750	655	1	2720	1	840	15	1	1	1	1	57.4	28	1	2	1	48	5	8

COMP: INTERNATIONAL KODIAK
PROJ:• FORGOLD
ATTN: T. TERMUENDE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0394-SJ
DATE: 90/09/0
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
ITTS 129	1.5	15630	40	5	158	.2	6	10310	.1	16	65	35280	910	11	14830	818	1	120	28	1000	33	1	8	1	1	78.5	101	1	2	2	24	5
ITTS 130	1.5	16860	31	5	154	.1	5	10850	.1	17	68	36720	1050	11	15670	861	1	130	28	970	24	1	11	1	1	78.8	84	2	1	2	25	5
ITTD 133	.5	6750	59	3	49	.9	7	500	.1	14	82	61990	2010	2	1160	1066	1	20	1	2280	33	1	5	1	1	21.0	22	1	1	1	1	95
ITTS 140	1.4	15190	39	4	227	.3	5	12020	.1	17	46	37890	1640	12	11360	1072	1	170	23	1460	28	1	8	1	1	80.0	91	2	2	2	25	5
ITTS 141	1.1	14750	31	2	126	.1	4	8460	.1	14	41	32240	710	10	14010	625	1	110	23	790	20	1	7	1	1	62.8	58	3	2	2	21	5
ITTR 144	1.1	15310	50	3	134	.1	5	8540	.1	16	51	36120	730	10	14360	749	1	120	26	1030	19	1	9	1	1	73.0	76	2	4	2	20	5
IRWS 380	1.3	16180	44	3	133	.2	6	9950	.1	16	46	35720	780	11	15130	811	1	120	25	940	25	1	7	1	1	78.7	82	2	2	2	22	5
IRWS 381	1.3	15560	50	3	134	.1	5	10220	.1	16	50	34940	680	11	15220	855	1	100	28	930	28	1	7	1	1	74.6	83	2	1	2	23	5
IRWR 390	1.8	18050	21	6	196	.2	9	13690	.1	18	71	42270	890	15	14810	1319	1	240	15	1380	23	1	16	1	1	88.6	124	3	2	2	12	15
IRWS 393	1.7	17210	34	5	235	.1	9	13510	.1	17	125	40000	1000	15	13990	1345	1	210	14	1440	25	1	15	1	1	82.7	127	2	2	2	11	25

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101

COMP: INTERNATIONAL KODIAK
PROJ: FORGOLD
ATTN: T. TERMUENDE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OS-0394-RJ1
DATE: 90/09/04
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
ITTR 131	1.0	15880	46	4	325	.3	2	2850	.1	11	332	45010	3560	12	6650	2025	1	30	1	1150	43	36	7	1	1	34.4	142	3	1	3	89	20
ITTR 132	1.0	3700	43	1	194	.2	3	220	.5	1	28	6470	2700	1	300	34	2	30	2	260	20	2	3	1	1	10.7	4	1	1	1	71	50
ITTR 134	.2	9440	26	1	1805	.4	1	350	.1	3	13	16950	4480	1	1140	82	1	90	1	750	13	1	19	1	1	17.1	6	1	1	1	23	5
ITTS 135	.2	10520	29	1	2054	.7	1	1290	.1	8	15	32530	4040	2	1790	629	1	70	1	1030	13	1	15	1	1	17.7	11	1	1	1	33	5
ITTS 136	.3	11820	29	3	1454	.5	1	1030	.1	7	30	44160	3460	4	2960	316	1	140	1	1360	15	1	13	1	1	32.6	28	1	1	1	1	5
ITTS 137	.5	7920	39	1	881	.4	1	6710	.4	3	13	16880	3900	3	1150	176	2	60	1	1070	21	1	31	1	1	13.3	13	1	1	1	76	5
ITTS 138	59.1	3390	17	6	378	.1	1	80	.1	11	3181	125370	1940	1	330	1	1	10	1	80	150	3	88	1	1	30.8	336	1	1	1	21	3120
ITTS 139	1.1	8160	26	3	387	.5	1	3230	.1	10	76	36890	4310	1	1000	48	1	50	1	1390	19	1	24	1	1	13.1	10	1	1	1	6	5
ITTS 142	32.9	3270	51	5	52	.1	1	3440	1.5	16	41579	85050	2730	1	540	909	1	860	1	840	103	45	9	1	1	10.5	603	1	2	2	23	1000
ITTS 143	2.5	6710	5	3	486	.4	2	250	.1	18	1055	50420	3790	1	660	2682	1	30	1	700	38	1	5	1	1	18.0	134	1	1	1	14	5
IRWR 382	69.1	3280	168	14	30	.1	1	970	7.4	24	112265	186790	3120	1	140	349	1	780	1	1940	659	130	13	1	1	11.4	1475	1	3	4	1	20
IRWR 383	5.8	4770	96	4	40	.1	1	1630	.1	13	2419	93010	4150	1	510	102	1	70	1	770	58	64	6	1	1	13.3	55	1	1	1	25	5
IRWR 384	7.9	2080	89	8	26	.1	1	30	9.7	14	444	147770	1970	1	160	1	1	40	1	20	210	101	36	1	1	7.1	618	1	1	1	20	5
IRWR 385	.4	6060	19	2	871	.3	1	170	.1	3	100	25840	3160	1	430	99	32	140	1	1110	42	1	15	1	1	8.9	34	1	1	1	16	5
IRWR 386	.2	4530	18	1	790	.1	1	50	.1	2	69	15510	2670	1	340	3	1	120	1	280	12	1	10	1	1	6.9	4	1	1	1	20	5
IRWR 387	.4	6650	19	1	910	.3	1	80	.1	1	42	6200	3480	1	640	13	1	190	1	300	16	1	13	1	1	11.6	3	1	1	1	31	20
IRWR 388	.8	9250	9	1	947	.6	1	1690	.1	8	36	31270	3300	4	2420	1095	2	100	1	1360	28	1	17	1	1	18.3	69	1	1	1	5	5
IRWR 389	.5	8910	25	2	524	.7	1	2730	.1	6	43	25930	4290	2	1680	312	1	160	1	1160	19	1	13	1	1	16.5	13	2	1	1	47	5
IRWR 391	15.2	9650	31	4	141	.2	1	15220	.1	15	20211	58370	4320	4	6550	2380	1	70	1	1070	48	21	13	1	1	22.7	147	2	2	2	39	1250
IRWR 392	5.3	5190	51	4	145	.6	2	4250	139.8	8	1285	22940	3540	1	730	344	39	70	1	790	3213	10	23	1	1	12.5	20244	1	1	4	63	3250
IRWR 394	15.2	4540	47	5	48	.1	1	1360	.1	30	6626	80100	3630	1	340	21	5	20	1	580	115	8	5	1	1	17.5	250	1	1	1	28	1250

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MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621
THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931
SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OS-0380-RA1

Company: INTERNATIONAL KODIAK
Project: FORGOLD
Attn: D.SMITH

Date: SEP-06-90
Copy 1. INTERNATIONAL KODIAK, VANCOUVER, B.C.
2. INTERNATIONAL KODIAK, C/O JAYCOX

We hereby certify the following Assay of 9 ROCK samples submitted AUG-28-90 by D.SMITH.

Sample Number	AU g/tonne	AU oz/ton	CU %	ZN %
I-SM-R-079			3.620	
I-SM-R-080	9.60	.280		
I-SM-R-082			4.650	
I-SM-R-083			6.570	
I-SM-R-085	30.50	.890	15.850	
I-SM-R-086			6.800	
I-SM-R-087			2.190	
I-CC-R-259	1.80	.053		1.26
I-CC-R-260				1.40

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Certified by _____

MIN-EN LABORATORIES

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS - ASSAYERS • ANALYSTS • GEOCHEMISTS

705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621
THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931
SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OS-0394-RA1

Company: INTERNATIONAL KODIAK
Project: FORGOLD
Attn: T. TERMUENDE

Date: SEP-04-90
Copy 1. INTERNATIONAL KODIAK, VANCOUVER, B.C.
2. INTERNATIONAL KODIAK, C/O JAYCOX

We hereby certify the following Assay of samples submitted AUG-30-90 by T.TERMUENDE.

Sample Number	AU g/tonne	AU oz/ton	CU %	ZN %
ITTR 138	4.52	.132		
ITTR 142	1.00	.029	5.450	
IRWR 382			16.800	
IRWR 391	1.80	.053	2.410	
IRWR 392	4.40	.128		2.27
IRWR 394	1.50	.044	.810	

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Certified by _____

MIN-EN LABORATORIES

COMP: INTERNATIONAL KODIAK
PROJ: FORGOLD
ATTN: D.SMITH

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0380-RJ1
DATE: 90/09/06
* ROCK * (ACT:F31) PAGE 1 OF 2

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
I-MB-R-211	2.5	16250	67	10	23	1.0	2	45370	.1	29	110	50900	390	18	31530	1654	1	320	106	990	46	4	21	1	1	182.6	106	3	2	9	196	50
I-MB-R-214	4.2	21630	1	5	52	.1	12	15870	.1	34	52	66580	180	24	29920	912	1	720	27	1530	8	1	1	1	1	151.9	49	1	1	5	63	80
I-SM-R-075	1.1	15170	43	3	1177	.6	2	5070	.1	12	35	41780	4150	12	7670	1475	1	250	1	1360	31	1	16	1	1	71.0	112	3	1	1	22	5
I-SM-R-077	2.5	4630	49	1	387	.3	1	1120	.3	6	152	18280	2930	1	1010	89	2	40	1	410	29	1	4	1	1	17.7	14	1	1	3	86	200
I-SM-R-078	3.1	18420	13	2	1230	.9	1	16020	1.2	8	2052	26380	5210	17	10420	2709	1	180	4	1650	157	1	19	1	1	34.1	190	2	1	1	18	5
I-SM-R-079	26.5	12220	11	5	59	.1	1	2210	.1	17	27812	90230	2300	10	5770	1838	1	30	1	960	146	27	7	1	1	34.9	252	1	1	3	21	540
I-SM-R-080	11.7	18250	5	4	144	.5	1	2570	.1	16	4386	69790	3520	18	8130	1551	1	110	1	1080	35	1	6	1	1	58.9	127	3	1	1	13	8570
I-SM-R-082	35.1	13470	9	7	45	.1	1	2810	.1	22	33843	114500	3370	10	6210	1539	1	100	1	1300	65	31	9	1	1	43.0	75	1	1	2	3	400
I-SM-R-083	95.4	9290	13	8	27	.1	1	1770	.1	17	49101	109230	4460	3	2400	723	1	80	1	1600	90	51	14	1	1	27.7	55	1	2	3	1	625
I-SM-R-085	98.6	3180	281	12	21	.1	1	1790	19.6	28	95981	156700	2660	1	530	667	1	1790	1	1750	769	109	16	1	1	12.4	2270	1	4	6	1	19500
I-SM-R-086	23.1	18900	20	6	51	.1	1	6750	45.1	16	51165	92950	2160	22	15130	2709	2	980	1	1640	684	52	10	1	1	26.9	2443	1	3	4	1	80
I-SM-R-087	11.0	13360	1	6	56	.1	1	9630	.1	19	18760	87790	3620	12	5720	4520	2	40	1	690	88	17	10	1	1	28.6	203	1	2	5	46	85
I-SM-R-088	10.6	2620	131	13	6	.1	1	450	.1	26	1545	239630	1840	1	530	44	1	30	1	10	85	65	1	1	1	9.1	39	1	1	1	1	5
I-CC-R-251	1.1	10330	30	4	82	.7	1	870	.1	10	661	46850	4760	2	1640	222	1	170	1	1430	27	2	9	1	1	29.3	31	1	1	1	23	5
I-CC-R-253	1.2	19420	35	3	1227	1.0	1	1030	.1	10	286	40350	5050	12	7320	776	1	150	1	1380	34	1	22	1	1	34.2	68	3	1	1	25	5
I-CC-R-254	.7	9820	21	3	195	.4	1	2100	.1	5	205	29140	5200	2	1250	86	15	210	1	2040	18	1	10	1	1	18.3	11	1	2	1	45	5
I-CC-R-257	1.1	13300	31	2	1858	.3	2	36650	.1	9	163	31950	5030	8	9400	2693	1	140	2	1190	38	1	97	1	1	37.5	107	2	1	1	27	5
I-CC-R-259	3.7	2040	56	1	502	.1	2	43810	79.5	3	323	9950	1390	1	2230	2032	6	40	8	220	2029	5	45	1	1	6.7	10406	1	1	7	182	1750
I-CC-R-260	1.8	7480	33	3	442	.8	1	28180	119.7	9	337	25530	4680	1	3330	2277	5	90	1	1140	294	2	27	1	1	17.3	12199	1	1	2	38	190
I-CC-R-261	1.1	7730	37	1	174	.6	1	3980	2.5	8	285	28560	3750	3	2480	731	4	60	1	840	42	1	6	1	1	20.3	390	1	1	1	56	450

COMP: INTERNATIONAL KODIAK
PROJ: FORGOLD
ATTN: D.SMITH

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0380-RJ
DATE: 90/09/0
* ROCK * (ACT:F31)

SAMPLE NUMBER	HG PPB
I-MB-R-211	75
I-MB-R-214	60
I-SM-R-075	120
I-SM-R-077	120
I-SM-R-078	185
I-SM-R-079	470
I-SM-R-080	360
I-SM-R-082	215
I-SM-R-083	275
I-SM-R-085	230
I-SM-R-086	6000
I-SM-R-087	240
I-SM-R-088	9125
I-CC-R-251	250
I-CC-R-253	215
I-CC-R-254	255
I-CC-R-257	100
I-CC-R-259	5125
I-CC-R-260	5250
I-CC-R-261	160

IR = 30

COMP: INTERNA[redacted]AL KODIAK
PROJ: FORGOLD
ATTN: D.SMITH

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0380-S
DATE: 90/09/
* SOIL * (ACT:F3

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB	HG PPB
I-SM-S-073	1.1	14520	13	6	342	1.0	2	8110	.1	12	33	34500	3540	15	5190	1618	3	140	3	2210	51	5	14	3	1	60.2	86	1	1	1	1	5	115
I-SM-S-074	.9	10670	19	4	335	1.2	1	7230	.2	9	28	26230	4190	7	3380	905	1	60	1	1910	25	2	10	3	1	76.4	38	1	1	1	1	5	60
I-SM-S-076	.8	14030	18	5	710	1.0	2	7860	.1	15	30	47330	5140	10	4820	1367	1	100	1	2120	26	1	16	2	1	132.4	48	1	2	1	1	5	75
I-SM-S-081	.7	14340	6	5	652	.8	1	8700	.3	13	120	34290	3910	9	7240	1556	1	140	7	1460	29	1	14	1	1	68.4	88	1	2	1	1	35	120
I-SM-S-084	.7	14070	32	4	810	.6	2	8770	.1	13	137	38150	4000	9	6900	1736	1	130	9	1730	42	1	16	1	1	78.1	92	1	1	1	1	5	85
I-CC-S-262	1.7	20350	13	8	352	.5	3	15250	.1	18	72	42240	2340	16	13600	1509	1	270	14	1460	33	1	22	1	1	92.8	121	1	2	2	10	5	100
I-CC-S-263	1.1	17630	33	4	156	.5	2	11560	.1	16	51	36640	1210	13	15720	775	1	160	22	910	27	1	13	1	1	73.8	76	1	2	1	22	5	45
I-CC-S-264	1.3	18800	36	5	190	.4	2	10910	.1	17	50	39690	1300	13	16600	876	1	170	25	970	24	1	13	1	1	80.0	80	2	2	2	25	5	65
I-CC-S-265	1.4	20840	11	8	256	.5	3	14090	.1	17	70	41910	2350	15	13830	1441	1	310	16	1250	26	1	21	1	1	100.7	130	1	2	1	13	5	100
I-CC-S-266	1.3	31910	1	9	50	.1	4	12600	.1	22	47	61060	560	17	20860	1383	1	330	9	880	9	1	24	1	1	135.0	85	2	3	2	18	5	85
I-CC-S-267	.8	12400	10	4	355	.7	2	9320	.1	15	122	41200	2190	9	8000	1837	3	160	13	1750	34	1	12	1	1	65.4	157	1	1	1	4	10	130
I-CC-S-252	.3	7560	11	2	759	.4	1	4300	.1	8	18	25850	2260	4	2400	442	1	80	1	1030	25	1	18	1	1	24.8	43	1	1	1	1	5	280
I-CC-S-255	.4	8170	28	2	674	.5	1	4930	.1	9	17	24340	2450	4	3220	790	3	100	3	860	24	1	16	1	1	31.4	41	1	1	1	1	5	145
I-CC-S-256	1.6	21840	24	7	321	.3	4	16040	.1	20	82	46890	1550	18	16280	1498	1	310	19	1270	28	1	23	1	1	105.1	133	1	1	2	13	5	70
I-CC-S-258	1.6	21750	21	8	394	.4	3	16180	.1	19	80	45350	2070	17	15100	1499	1	300	15	1530	29	1	24	1	1	102.6	129	1	2	2	12	5	130

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COMP: INTERNATIONAL KODIAK
PROJ: UNUK
ATTN: G.NICHOLSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0381-SJ
DATE: 90/09/0
• SILT • (ACT:F31

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB	HG PPB
I-TT-S-114	.2	19530	9	13	45	.1	2	7660	.1	14	30	43220	320	12	13910	891	2	290	1	780	28	1	10	1	1	94.6	70	1	1	1	3	5	105
I-TT-S-117	.5	28010	13	7	28	.1	2	14150	.1	20	46	54050	270	16	19490	1134	1	250	6	780	18	1	13	1	1	125.8	72	1	1	2	16	5	90
I-TT-S-119	.4	27190	1	6	33	.1	3	11340	.1	20	46	55530	250	15	19230	1174	1	200	4	770	18	1	13	1	1	119.3	77	2	2	1	13	5	95
I-TT-S-120	.8	15560	12	3	177	.1	3	12750	.1	16	64	38850	980	14	12700	1356	1	170	11	1520	32	1	11	1	1	74.6	115	1	1	2	6	5	130
I-TT-S-124	.2	11070	9	2	349	.1	2	9000	.1	12	98	32320	1710	9	7600	1571	1	110	9	1590	25	1	11	1	1	55.3	87	1	1	1	1	5	160
I-TT-S-126	1.5	16900	28	3	158	.4	3	29630	.1	16	63	40330	1010	16	14440	945	1	140	7	1450	22	1	54	1	1	102.6	63	3	1	1	7	25	100
I-RW-S-370	.7	12490	11	3	358	.2	3	9630	.5	17	140	43500	1770	9	8580	2125	1	150	15	1660	38	1	12	1	1	68.8	168	1	4	1	4	5	175
I-RW-S-373	.8	15460	16	3	132	.2	3	22990	.1	15	64	38100	710	15	13360	831	1	120	3	1230	16	1	27	1	1	90.4	99	1	1	1	4	5	135

COMP: INTERNATIONAL KODIAK
PROJ: FORGOLD
ATTN: D.SMITH

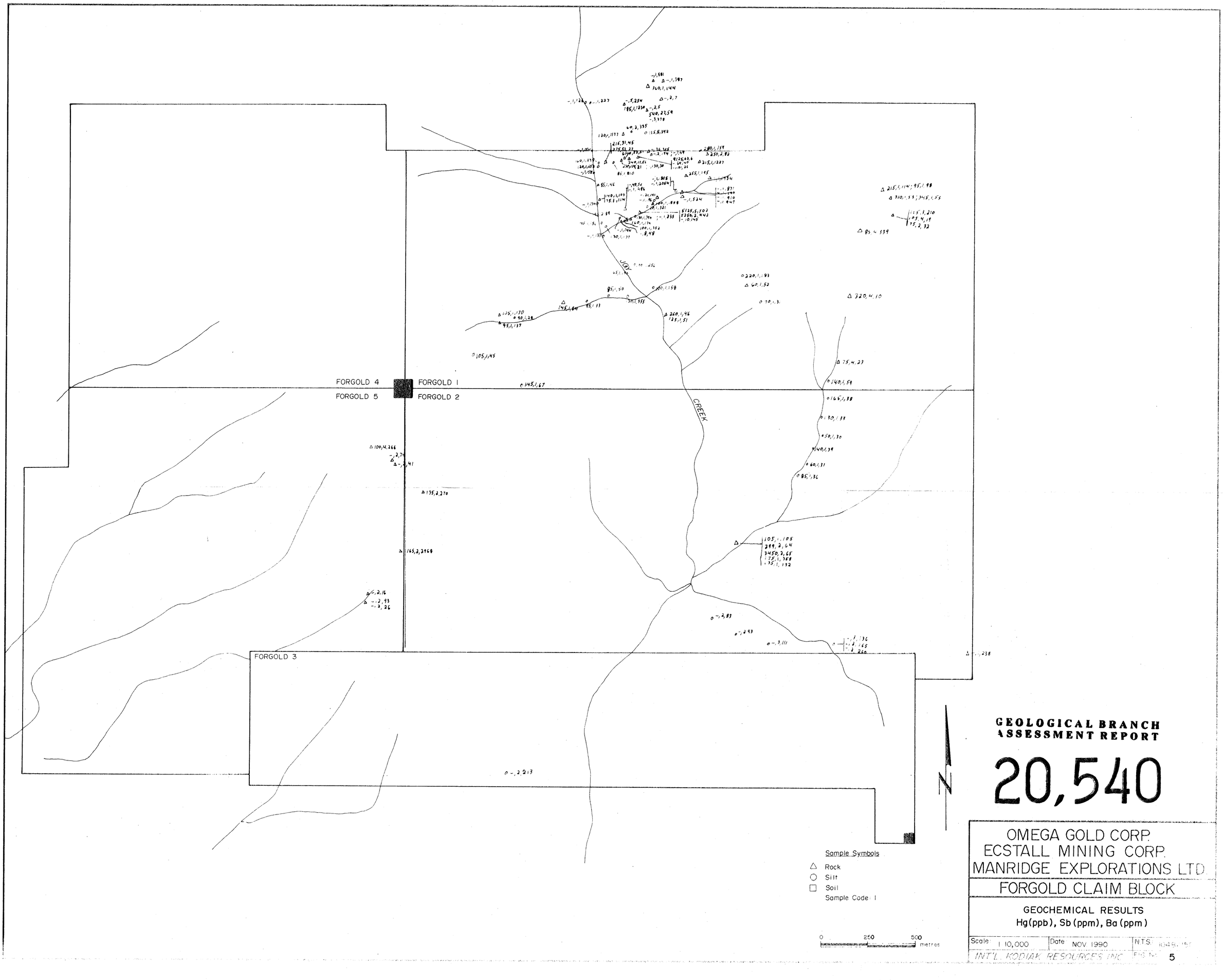
MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-1323-RJ
DATE: 90/09/0
• MOSS • (ACT:F31

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB	HG PPB
NO SAMPLE #	1.7	28000	31	11	51	.1	5	13010	.1	26	73	53200	2570	24	21670	1247	2	320	36	950	39	1	6	1	1	149.0	158	1	1	1	38	5	55
I-MB-M-204	1.8	30470	35	13	36	.1	5	15480	.1	29	97	52010	1510	27	37750	1250	1	270	116	1070	17	1	14	1	1	146.0	130	1	2	2	172	5	85
I-MB-M-205	1.6	25030	45	11	31	.1	4	12390	.1	22	91	51530	1580	21	24530	1268	1	1490	53	1000	34	1	20	1	1	138.3	126	2	1	1	57	5	60
I-MB-M-206	1.7	31230	49	14	39	.1	5	15930	.1	29	102	51530	4470	27	37080	1336	1	2540	113	1410	34	1	19	1	1	146.8	144	1	1	2	168	5	140
I-MB-M-207	1.3	25910	51	11	30	.5	4	14050	.1	23	85	42140	3800	23	31000	1074	1	2140	99	1310	26	1	16	1	1	119.8	122	1	1	2	144	5	50
I-MB-M-208	1.3	26000	61	12	33	.3	4	15270	.1	23	83	42720	4130	25	32640	1098	1	2010	101	1530	26	1	17	1	1	120.4	124	1	2	2	151	10	130
I-MB-M-209	1.0	22650	54	10	38	.3	4	11170	.1	21	86	45720	2040	20	20520	1268	1	1810	44	1060	33	1	20	1	1	125.8	126	1	2	1	43	5	165
I-MB-M-210	.9	26950	57	14	59	.1	5	13770	.1	24	101	51520	1750	24	18360	1834	2	1790	22	870	50	1	33	1	1	167.6	182	1	3	1	17	5	140
I-MB-M-212	2.2	38420	1	8	31	.1	6	16180	.1	46	89	74680	6230	26	46280	1324	1	2270	65	1240	14	1	6	1	1	181.7	95	1	2	1	109	5	70
I-MB-M-215	1.0	24140	39	6	183	.4	3	9190	.1	24	73	57220	3990	15	13740	1365	10	1970	40	1470	44	1	8	2	1	114.3	264	1	1	1	19	5	220

IM-10



GEOLOGICAL BRANCH
ASSESSMENT REPORT

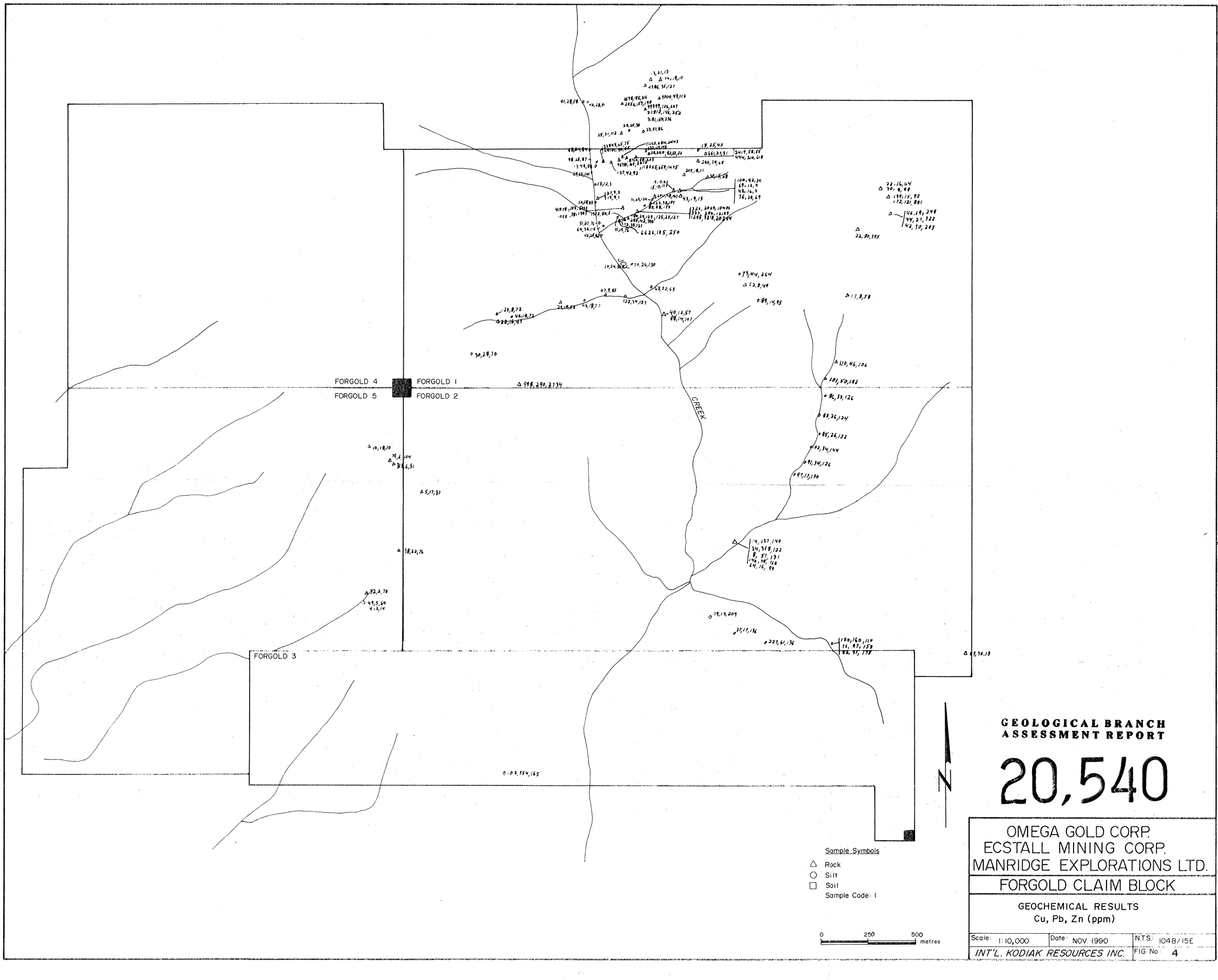
20,540

OMEGA GOLD CORP.
ECSTALL MINING CORP.
MANRIDGE EXPLORATIONS LTD.

FORGOLD CLAIM BLOCK

GEOCHEMICAL RESULTS
Hg(ppb), Sb(ppm), Ba(ppm)

Scale: 1:10,000	Date: NOV 1990	N.T.S. 104 B/15E
INT'L. KODIAK RESOURCES INC.		FIG. No. 5



GEOLOGICAL BRANCH
ASSESSMENT REPORT

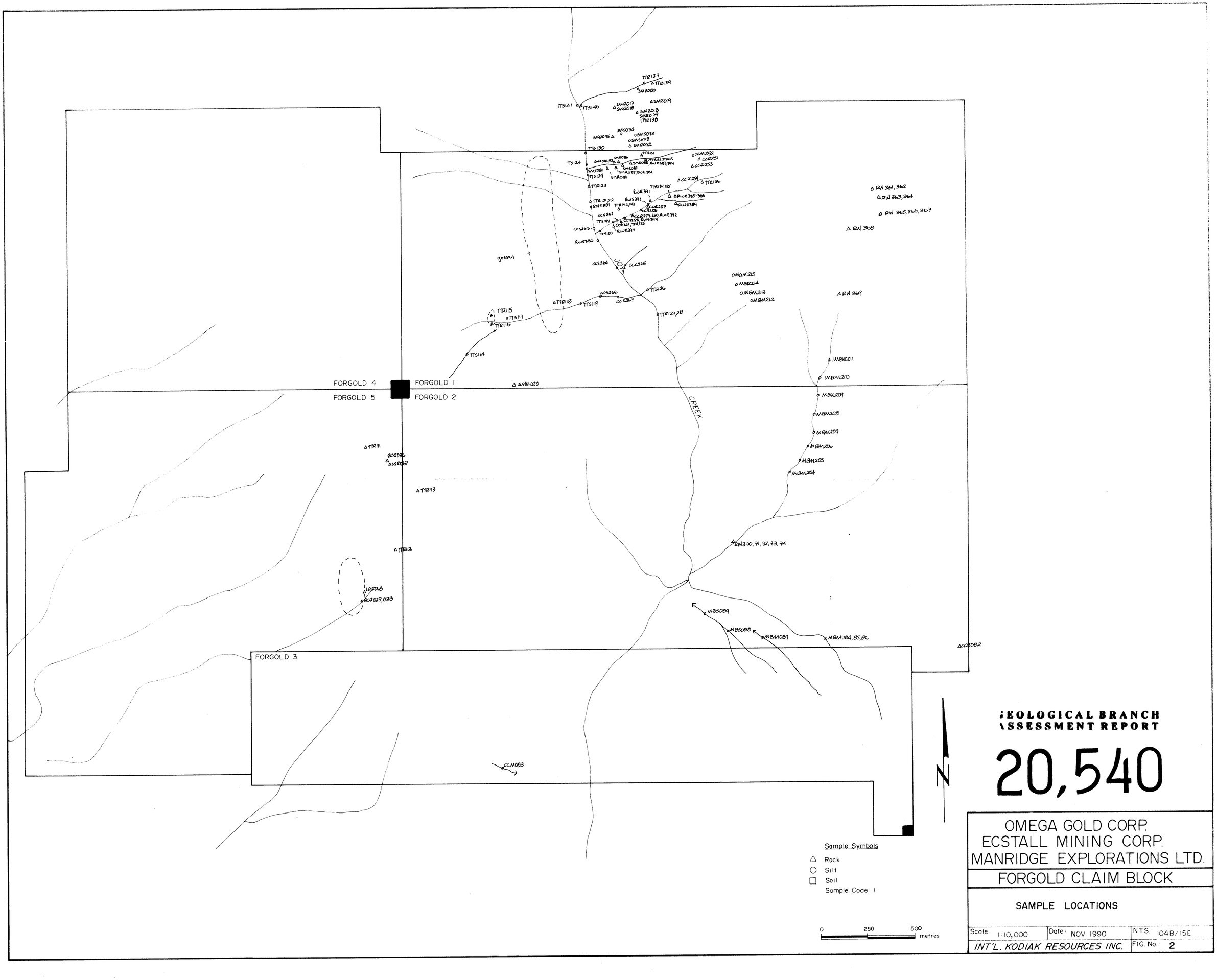
20,540

OMEGA GOLD CORP.
ECSTALL MINING CORP.
MANRIDGE EXPLORATIONS LTD.

FORGOLD CLAIM BLOCK

GEOCHEMICAL RESULTS
Cu, Pb, Zn (ppm)

Scale: 1:10,000	Date: NOV. 1990	N.T.S.: 104B/15E
INT'L. KODIAK RESOURCES INC.		FIG. No. 4



Sample Symbols

△ Rock
○ Silt
□ Soil
Sample Code: 1

0 250 500 metres

N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,540

OMEGA GOLD CORP.
ECSTALL MINING CORP.
MANRIDGE EXPLORATIONS LTD.

FORGOLD CLAIM BLOCK

SAMPLE LOCATIONS

Scale: 1:10,000	Date: NOV 1990	NTS: 104B/15E
INT'L. KODIAK RESOURCES INC.		FIG. No.: 2

FORGOLD 4

FORGOLD 1

FORGOLD 5

FORGOLD 2

FORGOLD 3

CREEK

Sample Symbols

△ Rock

○ Silt

□ Soil

Sample Code: 1

0 250 500 metres

N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,540

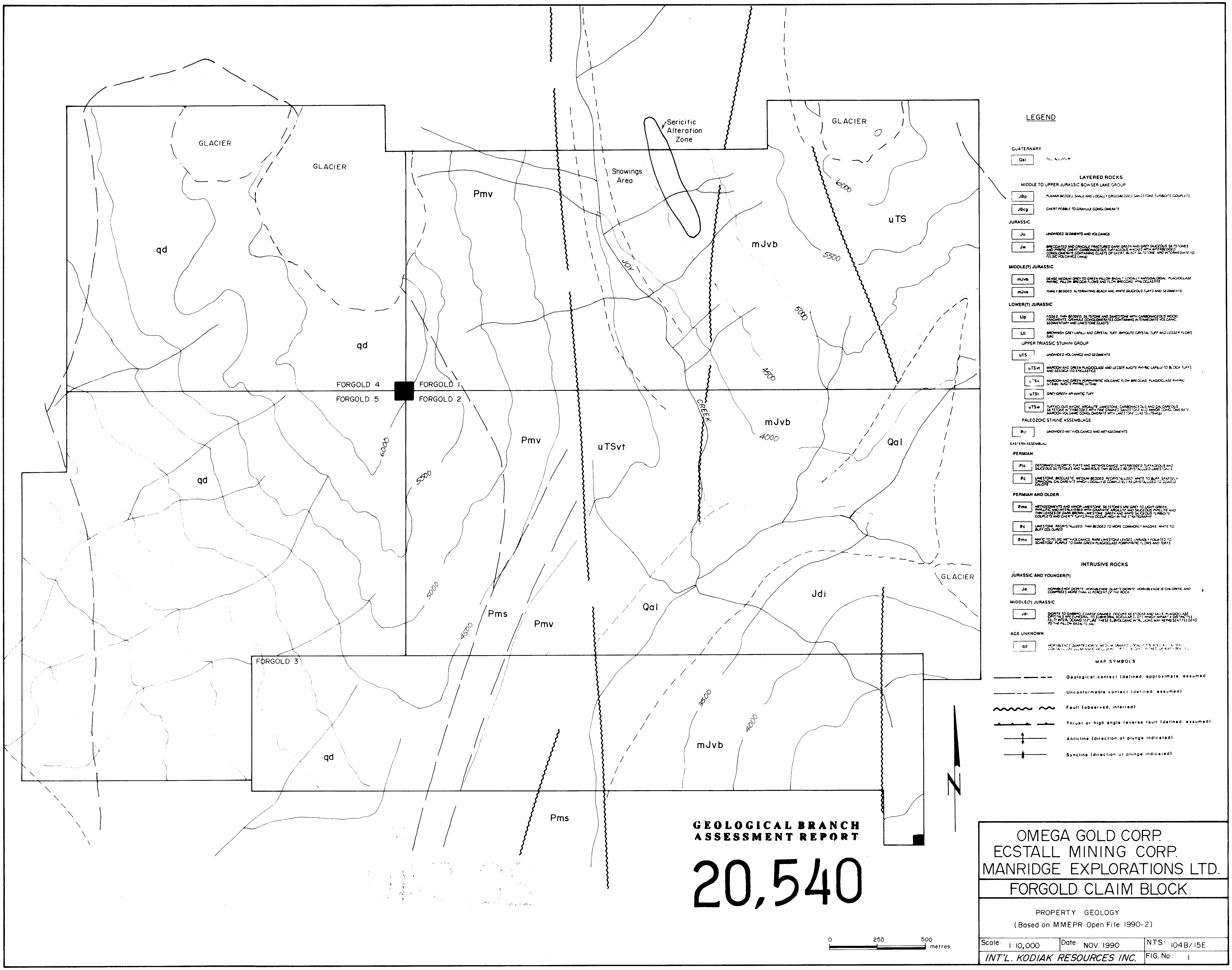
OMEGA GOLD CORP.
ECSTALL MINING CORP.
MANRIDGE EXPLORATIONS LTD.

FORGOLD CLAIM BLOCK

GEOCHEMICAL RESULTS
Au (ppb), Ag (ppm), As (ppm)

Scale 1:10,000 | Date NOV 1990 | NTS 104B-15E

INT'L. KODIAK RESOURCES INC. | Fig. No. 3



GEOLOGICAL BRANCH ASSESSMENT REPORT

20,540