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SUMMARY

The Georgia River property is located approximately 13 kilometers south of Stewart, B.C. on the east side of the Portland Canal. The property lies on the eastern contact of the Coast Range Batholith intruding volcanics and sediments of the Hazelton Group.

Two shear patterns have been developed on the property in a northwest direction and a possibly later extensive cross fracturing and faulting in a northerly direction. Significant gold, silver, lead, zinc with minor copper mineralization within quartz veins appear to be restricted to the zones of later faulting. Marked gold enrichment appears to be associated with areas of vein intersection.

During the period August to October 1988, Avatar Exploration completed an exploration program on the Georgia River Project including trenching, sampling and diamond drilling.

A total of 15 holes were drilled along the southwest vein to further define the limits of mineralized zones discovered during programs in 1979-1981. This 1988 drilling totalled 2628.77 metres (8625 ft) and extended the mineralization to a depth of at least 845 feet. Assay values in the vein structures ranged up to a high of 5.202 opt Au. A summary of holes is as follows:

Hole	Intersection	Width Feet	Au (opt)	Ag (opt)
88-01	362.5-365.1	2.6	5.202	4.99
88-02	121.3-124.3	3.0	.235	0.71
88-02	241.5-245.5	4.0	1.925	0.36
88-02	470.5-472.5	2.0	.116	0.05
88-03	539.1-540.1	1.0	.229	0.11
88-03	580 -581.2	1.2	.365	0.51
88-06	855 -858.2	3.2	.456	0.13
88-07	366.7-367.5	.8	1.049	1.72
88-07	377.4-379.9	2.5	1.588	0.96
88-08	455.3-460.7	5.4	.272	0.41
88-10	364.6-367.5	2.9	.547	0.36
88-11	452 -454.2	2.2	2.287	2.23
88-12	221.3-224.5	3.2	.158	0.31
88-12	563.5-565.1	1.6	.467	1.46
88-12	620 -621	1.0	.426	0.26
88-14	473 -475.3	2.3	.110	0.11

Based on the 1979-1981 work and 1988 drilling, a total of 321,067 tons at a grade of .839 opt Au and .656 opt Ag is calculated in the drill indicated, (108,462 tons) inferred (113,916 tons) and geologically inferred (78,716 tons) categories. These reserves are over a mining width of at least 4 feet and in places extend to 10 feet. These do not include the reserves in the Bullion Vein which totals 6195.2 tons at .122 opt Au and .30 opt Ag.

To date a total of 22 vein systems have been discovered of which seven have gold bearing potential. Out of the identified seven veins, only two, the Southwest and Bullion have been explored to any great extent. The Southwest vein has been traced over 2000 feet of length while the Bullion has been identified over a shorter length.

It is recommended that a $2,000,000 drill and underground program explore the property.

INTRODUCTION

Auriferous mineralization is associated with sulphide-bearing quartz veins emplaced along north and northeast striking shear zones. The Southwest and Bullion veins are two economically significant structures that have been previously explored of seven encountered on the property.

In 1988, a two phase trenching, sampling and diamond drilling program was designed to further investigate the Southwest Vein structure.

Location and Access

The Georgia River project area is located in the recently revitalized Stewart gold-silver mining camp along the northwest coast of British Columbia. The property is located approximately 13 air-kilometers south of Stewart, within the Skeena Mining Division (NTS 103/16W). The property is centered by latitude 55° 49'N and longitude 103° 08'W. (Figure 1)

The contiguous Georgia River claim block encompasses a tributary of Georgia River, Bullion Creek and the Colling Range on the east side of the Portland Canal (Figure 2). Access is gained via Stewart, B.C. utilizing Bell 206 helicopters based there year round. It is noted that an old wagon trail approximately 13 kilometers in length, built in 1928, accessed the property from the south, leading from the Portland Canal, upstream along Georgia River, to the work site. This wagon trail has since been eroded and grown over by thick tag alder. The Sun claim group is located on the northwest portion of the property bordering on the Portland Canal where water access may be utilized.

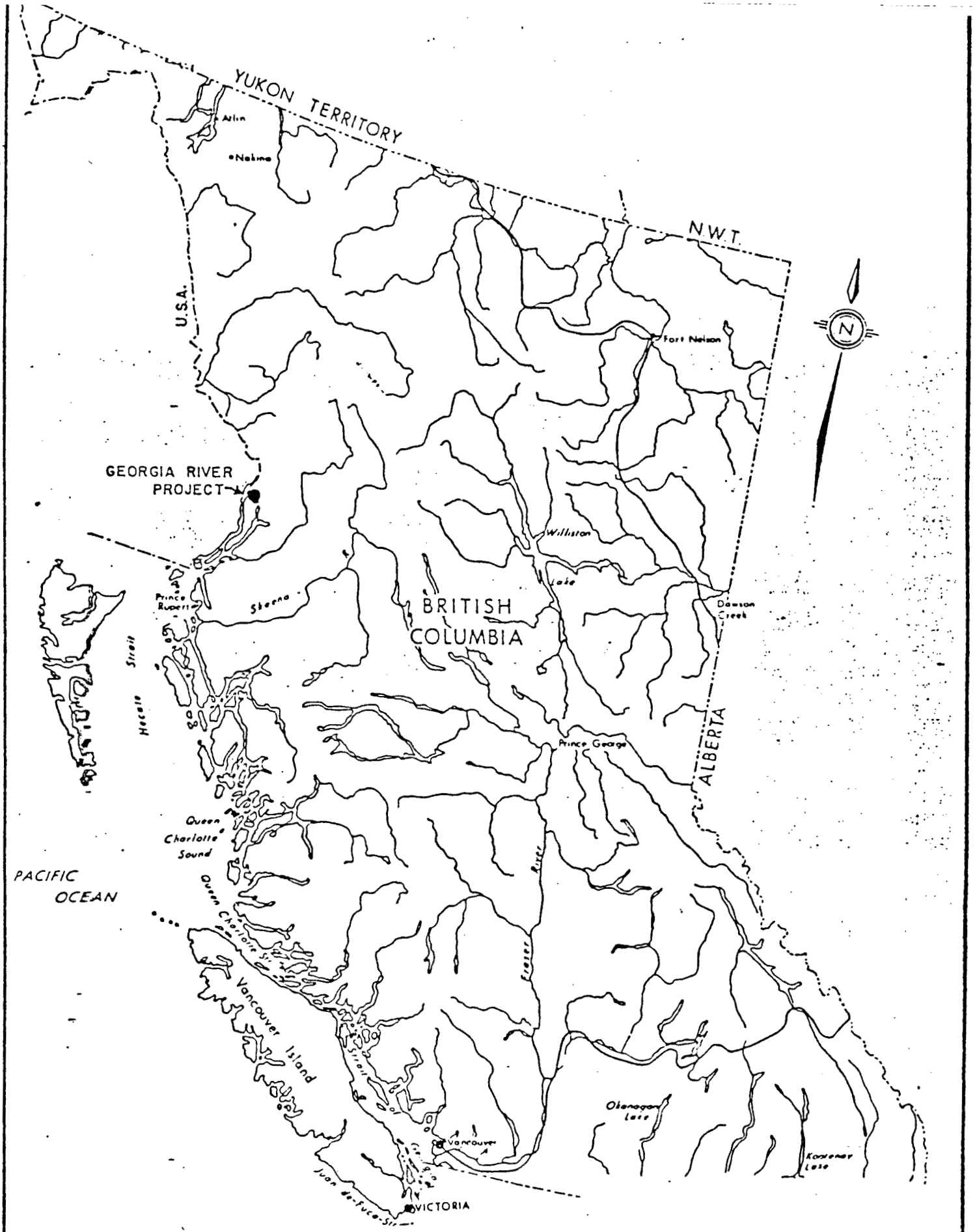


Fig 1

GEORGIA RIVER PROJECT
BRITISH COLUMIA

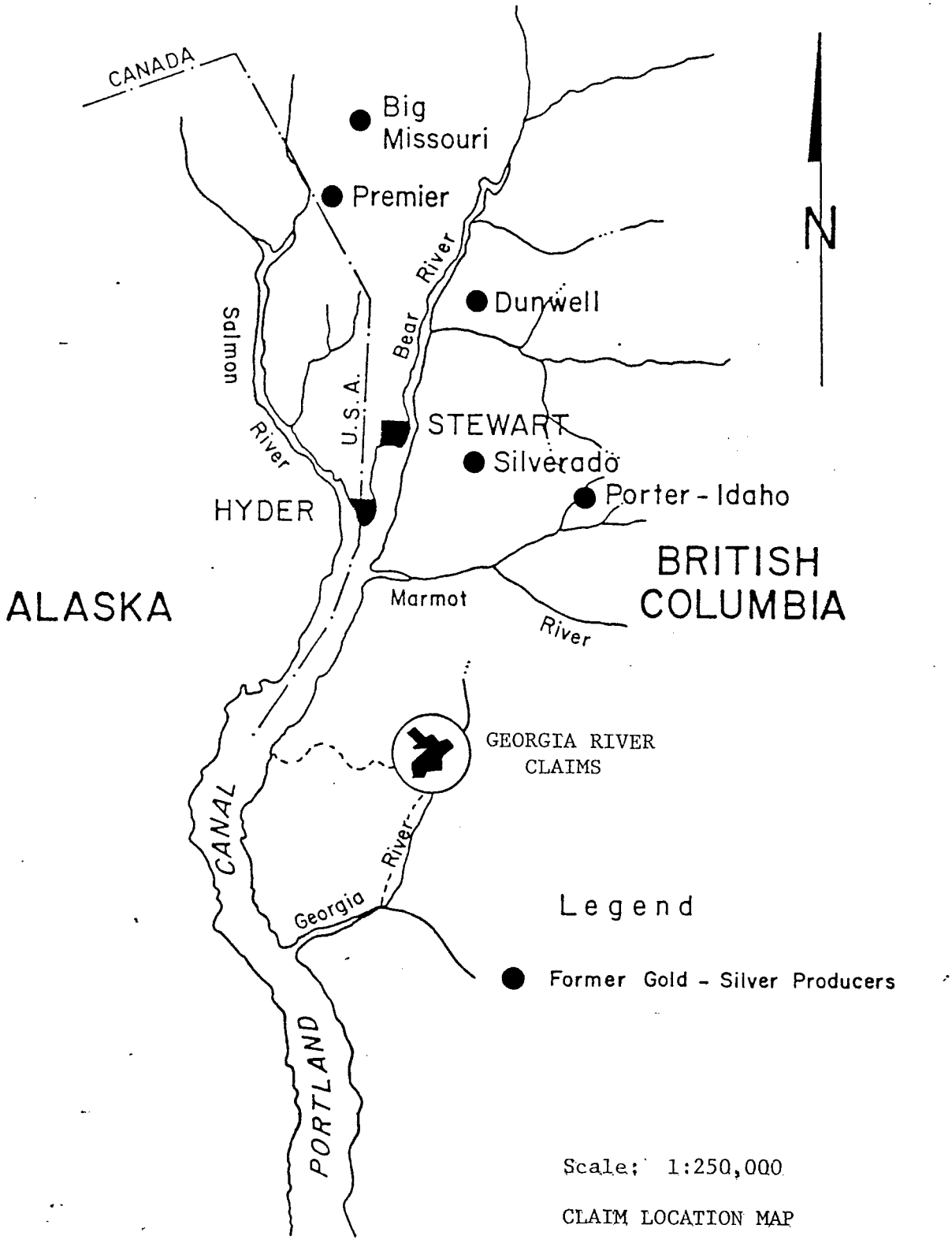

CANADA
Big Missouri
Premier
Dunwell
Salmon River
Bear River
U.S.A.
STEWART
Silverado
Porter - Idaho
HYDER
ALASKA
BRITISH COLUMBIA
Marmot River
GEORGIA RIVER CLAIMS
CANAL
Georgia River
PORTLAND
N
Legend
Former Gold - Silver Producers
Scale: 1:250,000
CLAIM LOCATION MAP

FIGURE 2

Physiography and Topography

The property area is characterized by steep mountainous terrain typical of the Coast Mountain Range of British Columbia. Elevations range from sea level to 1180 meters. The dense douglas fir and cedar forested valley floors change upslope to dwarf alpines with mosses, grasses and lichens above the 1060 meter elevation. Above treeline at higher elvations, the claim area is characterized by gently rolling alpine slopes.

Thick glacial moraine is primarily restricted to lower elevations and valley floors, therefore yielding good outcrop exposure along ridge tops and plateaus. Permanent snow occupies the higher gullies and depressions with streams and small glacial lakes. Maximum rock exposure occurs in early October when most of the snow and ice has melted. The surface exploration season is restricted to late summer and early fall, primarily due to the surface expressions of the vein systems being contained within the snow filled depressions and gullies.

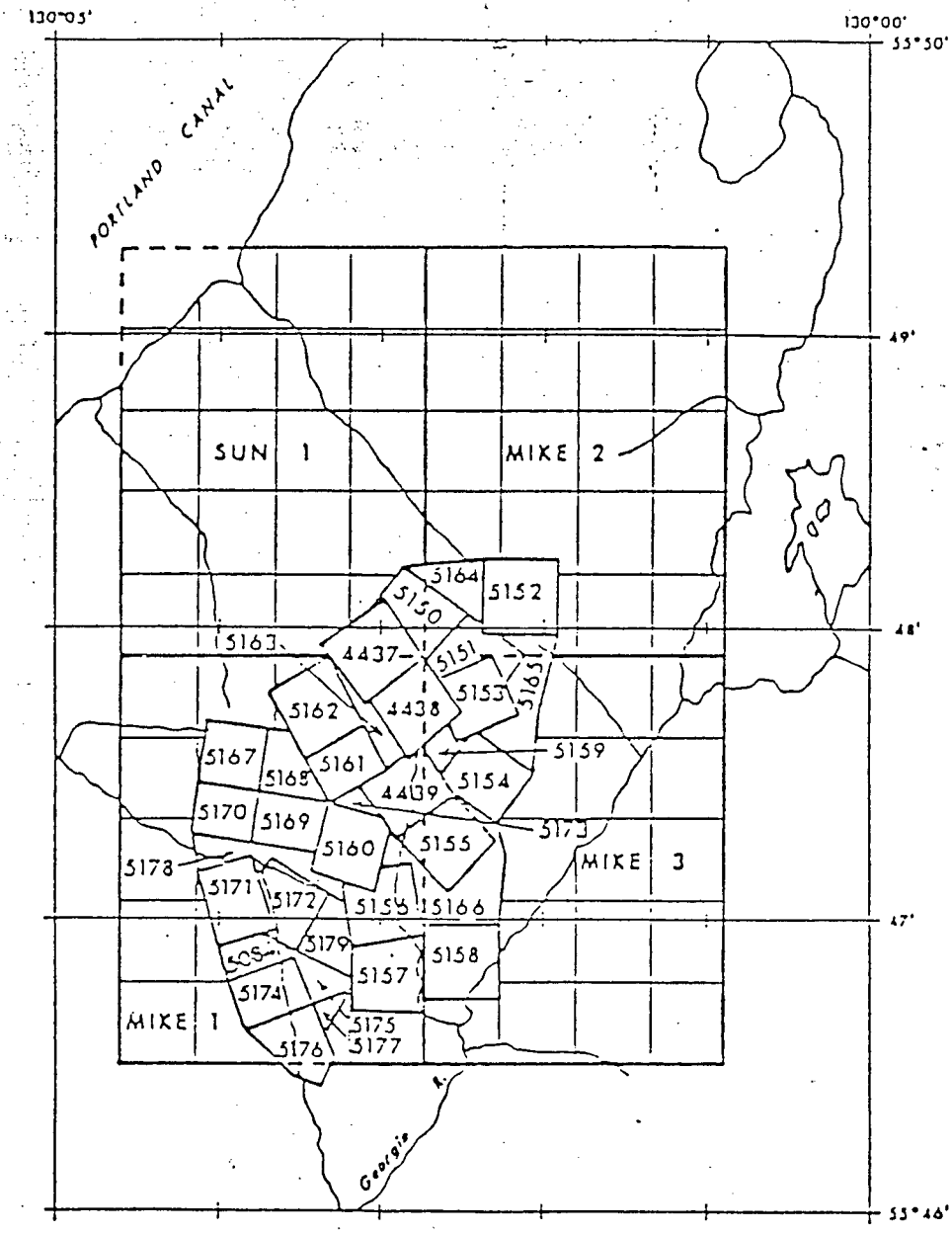
Water is plentiful year round as several streams drain small glacial lakes less than 100 meters in diameter located along the top of Colling Ridge and along mountain passes.

Fog and rain is common throughout the summer months, while the spring, fall and winter seasons bring harsh wind driven snow storms. For exploration to continue throughout the winter months, a permanent camp would be essential.

Property Ownership

The property consists of 34 crown granted claim units and four 20-unit modified grid staked claims owned by Samson Gold Ltd.(Figure 3).

The claim names with appropriate data is listed in the following table:



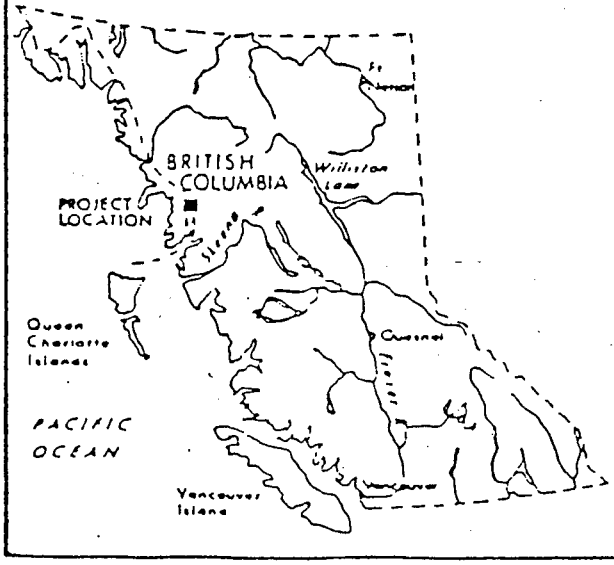


Figure 3

MINERAL DISPOSITION MAP OF PROJECT GEORGIA RIVER GOLD, B.C. (CLAIMS SHOWN ON MAP)
NTS 103-O

SCALE 1:50,000

1 0 1 2 Km

TABLE 1
PROPERTY DESCRIPTION

Lot No.	Name	Record No.	Acres	Expiry Date
L5150	Gem	Crown Grant	38.46	August 2, 1989
L5151	Gen #1	Crown Grant	23.19	August 2, 1989
L5165	Gem Fraction	Crown Grant	48.80	August 2, 1989
L5152	Goldfields	1434(8)	52.25	August 2, 1989
L5153	Goldfields #1	1445(8)	43.68	August 2, 1989
L5154	Goldfields #2	1429(8)	44.25	August 2, 1989
L5155	Goldfields #3	Crown Grant	47.35	August 2, 1989
L5156	Goldfields #4	Crown Grant	44.90	August 2, 1989
L5157	Goldfields #5	1435(8)	48.53	August 2, 1989
L5158	Goldfields #6	1436(8)	51.15	August 2, 1989
L1564	Top Fraction	Crown Grant	26.46	August 2, 1989
L5166	Gold Fraction	Crown Grant	46.46	August 2, 1989
L4437	Georgia	Crown Grant	49.39	August 2, 1989
L4438	Georgia #1	Crown Grant	46.71	August 2, 1989
L4439	Georgia #2	Crown Grant	48.58	August 2, 1989
	Sun #1	1622(8)	1,235.60	August 15, 1989
	Mike #1	1623(8)	1,235.60	August 15, 1989
	Mike #2	1721(9)	1,235.60	Sept. 18, 1989
	Mike #3	1722(9)	1,235.60	Sept. 18, 1989
L5159	Jitney	Crown Grant	11.68	August 2, 1989
L5084	September Fr.	Crown Grant	19.85	August 2, 1989
L5163	Danny Fraction	Crown Grant	7.83	August 2, 1989
L5178	June Fraction	1443(8)	41.00	August 2, 1989
L5167	June	1438(8)	41.43	August 2, 1989
L5168	June #1	1439(8)	25.80	August 2, 1989
L5169	June #2	1440(8)	35.58	August 2, 1989
L5170	June #3	1441(8)	39.03	August 2, 1989
L5171	June #4	1442(8)	52.25	August 2, 1989
L5172	June #5	1447(8)	34.84	August 2, 1989
L5179	June #6	Crown Grant	28.93	August 2, 1989
L5174	June #7	1480(8)	37.78	August 2, 1989
L5175	June #8	Crown Grant	12.53	August 2, 1989
L5176	June #9	1432(8)	39.08	August 2, 1989
L5177	June #10	Crown Grant	1.85	August 2, 1989
L5173	Sovereign Fr.	Crown Grant	8.50	August 2, 1989
L5160	Sovereign	1446(8)	51.60	August 2, 1989
L5161	Sovereign #1	1431(8)	36.28	August 2, 1989
L5162	Sovereign #2	1445(8)	51.43	August 2, 1989

Personnel and Operations

E.R. Kruchkowski Consulting Ltd. personnel involved during the Phase I July - September 1988 diamond drilling and trenching program included the following:

E. Kruchkowski	geologist
K. Konkin	geologist
M. Jaegar	geological assistant
C. Moeling	geological assistant
J. Paquette	geological assistant
A. Hoffman	geological assistant
T. McIndoe	geological assistant
S. Weir	camp cook

Phase I and II diamond drilling equipment and personnel was supplied by D.W. Coates Enterprises Ltd. A modified JKS 300 diamond drill rig was flown to the property from Stewart, B.C. Helicopter service was supplied by Vancouver Island Helicopters' Bell 206 and Bell 205 machines. Phase I included six BDBGM thin wall diamond drill holes totalling 1126.49 meters.

The Phase II September - October 1988 trenching and diamond drill program was completed utilizing the same D.W. Coates diamond drill rig and helicopters supplied by Vancouver Island Helicopters Ltd. Nine diamond drill holes were completed totalling 1502.28 meters.

E.R. Kruchkowski Consulting Ltd. personnel for the Phase II diamond drilling and trenching program included:

E.R. Kruchkowski	geologist
K. Konkin	geologist
G. Sinden	geological technician
T. Devine	geological assistant
B. Johansson	geological assistant
D. Sloan	geological assistant
M. Jaeger	geological assistant
B. Touzin	geological assistant
S. Weir	camp cook

All drill core was logged on site and stored on the property. The whole sample interval was collected as a sample (the core was not split) and the samples were sent to Min-En Laboratories Ltd. in North Vancouver for gold and silver assaying.

All materials and supplies were purchased in Stewart, B.C. and were flown to the camp site. The tent camps were supplied and maintained by E.R. Kruchkowski Consulting Ltd. personnel.

Previous Work

Much of the information on the work history of the property was obtained from B.C. Minister of Mines reports dated 1914 - 1936. Discovery of gold in the Georgia River area dates back to 1910. Prospectors Dan Hume and Jake Jarvis are credited with the find and subsequently located the Georgia River claims.

In 1912, exploration was initiated on the auriferous veins. Although gold and silver values were generally weak along the surface, values of six to eight oz. in gold and 15 to 25 oz. in silver are said to have been reported while sinking a small shaft 17 feet deep.

Driving of a tunnel along the Bullion vein commenced in 1913. It was designed to intersect below the shaft started in 1912. By the end of the 1914 season, the tunnel was advanced to a distance of 55 feet.

In 1915, the Bullion tunnel was driven to the 245 foot mark and significant surface development included stripping and trenching of the Main vein. A considerable portion of the vein was reported to carry good gold values.

The Bullion tunnel was advanced to 362 feet at the end of 1916. During this year, a winze was driven to a depth of 35 feet. Again good gold values were reported but vein widths varied from 10 inches to 2 feet 6 inches.

In 1917, a construction of a pack horse trail commenced but constant repairs and maintenance hampered completion of the trail until the Department of Mines helped with the construction. The trail was completed by 1922. By the end of 1917 the Bullion tunnel was advanced to 390 feet, and a raise was pushed to the surface for 35 feet from which bonanza ore was taken.

In 1918, the winze was mined for another seven feet extending it to a total of 42 feet down and the Bullion tunnel was extended for another 20 feet when a crosscut was driven west for 35 feet. The bottom of the winze yielded a two foot wide quartz vein with massive pyrrhotite carrying 2.28 oz. per ton gold and 3.74 oz. per ton silver.

Little information is available from 1918 to 1928. In 1928, Georgia River Gold Mines Ltd. undertook wagon trail construction in order to construct a permanent camp to the working site. As soon as the trail was complete, lumber was rushed in for camp construction and supplies were taken in for the winter's operation. Very little work was done on the veins, the focus of the work effort was on the road and camp.

By the end of 1929, compressors and other mine equipment were installed. Bunk houses, residences, assay offices and warehouses were erected for year round occupation.

The majority of underground work was completed between 1928 and 1934. From 1928 to 1929, the No. 1 tunnel, No. 2 tunnel, No. 3 tunnel and Little tunnel were developed along the Southwest vein system. During 1932, a crosscut from the Bullion vein was extended to intersect the Southwest vein. Once on the Southwest vein, drifting commenced for 180 and 130 feet north and south respectively. In 1933, continued drifting along the Southwest vein and 3,050 feet of surface diamond drilling in nine holes was completed.

In 1935, Gold Leasing Ltd. leased the property and during 1936 a mill and mining facilities were erected. By 1937, 500 tons of vein material yielded 329 ounces of gold, 410 ounces of silver and 7,301 pounds of lead for an average grade of 0.658 opt. Au, 0.82 opt. Ag and 0.73% Pb.

There has been no significant work reported from 1938 to 1979. E & B Explorations Ltd., in 1979, completed a diamond drill program totalling 346.9 meters drilling six holes. Two holes tested the Southwest and Main vein intersections, one tested the Southwest and Georgia vein intersection and three holes tested the Southwest vein and the north faulted extension of the Georgia vein. Values of .96 opt. Au and .96 opt. Ag over 1.45 meters was obtained from drill hole GGP-3, intersecting the Southwest vein.

Based on favourable results obtained from the 1979 diamond drill program, E & B Explorations Ltd. continued explortion on the Georgia River property in 1980. The project included: gridding, geological mapping, prospecting, trenching, underground mapping and sampling, diamond drilling and claim staking. Based on the work completed in 1980, measured ore reserves were calculated at 22,206 tons of 0.43 opt. Au and 0.53 opt. Ag and inferred reserves were calculated at 22,815 tons of .46 opt. Au and 0.61 opt. Ag.

In 1981, E & B Explorations Ltd. conducted a 15 diamond drill hole program based on the previous year's results. This program yielded measured, indicated and inferred reserves of 120,037 tons with an average grade of 0.55 opt. Au and 0.68 opt. Ag.

GEOLOGY

Regional Geology

The Georgia River claims lie within the Stewart area along the western boundary of the Bowser Basin intruded by the Coast Plutonic Complex. Rocks in the area belong to the Mesozoic Hazelton Group and have been intruded by plugs of both Cenozoic and Mesozoic age.

At the base of the Hazelton Group is the Lower Jurassic marine (submergent) and non-marine (emergent) volcaniclastic Unuk River Formation. This is overlain at steep disordant angles by a second, lithologically very similar, Middle Jurassic volcanic cycle (the Betty Creek Formation), in turn overlain by Middle and Upper Jurassic non-marine and marine sediments (with minor volcanics) of the Salmon River and Nass Formations.

The oldest rocks in the area belong to the Lower Jurassic Unuk River Formation which forms a north-northwesterly trending belt extending from Alice Arm to the Iskut River. It consists of green, red and purple volcanic breccia, volcanic conglomerate, sandstone and siltstone with minor crystal and lithic tuff, limestone, chert and coal. Also included in the sequence are pillow lavas and volcanic flows.

In the property area the Unuk River Formation is unconformably overlain by Lower and Middle Jurassic rocks from the Betty Creek and Salmon River Formations, respectively. The Betty Creek Formation is another cycle of trough-filling submarine pillow lavas, broken pillow breccias, andesitic and basaltic flows, green, red, purple and black volcanic breccia, with self erosional conglomerate, sandstone and siltstone, and minor crystal and lithic tuffs, chert, limestone and lava. The overlying Salmon River Formation is a late to post volcanic episode of banded, predominately dark coloured, siltstone, greywacke, sandstone, interrcalated calcarenite, minor limestone, argillite, conglomerate, littoral deposits, volcanic sediments and minor flows.

According to E.W. Grove, the majority of the rocks from the Hazelton Group were derived from the erosion of andesitic volcanoes subsequently deposited as overlapping lenticular beds varying laterally to grain size from breccia to siltstone.

There are various intrusives in the area. The granodiorites of the Coast Plutonic Complex largely engulf the Mesozoic volcanic terrain to the west. East of these (in the property area), smaller intrusive plugs range from quartz monzonite to granite to highly felsic; some are, likely, related late phase offshoots of the Coast plutonism, others are synvolcanic or Tertiary. Double plunging, northwesterly-trending synclinal folds of the Salmon River and underlying Betty Creek Formations dominate the structural setting of the area. These folds are locally disrupted by small east-overthrusts (Tippy Lake, Knipple Lake) on strikes parallel to the major fold axis, cross-axis, steep wrench faults which locally turn beds, selective tectonization of tuff units, and major northwest faults which turn beds.

Local Geology

The rocks underlying the area consist predominately of an altered andesitic crystalline tuff, tuffaceous sediments, weakly altered andesites and basalts with minor argillitic siltstone. They are foliated into a roof pendant spanning approximately 20 km east-west and 28 km north-south. These rocks belong to the Unuk River Formation of Lower Jurassic ages, and regionally trend 135° between 50 - 75° to the southwest.

The predominately volcanic units have been locally subjected to strong metasomatic alteration and shearing incurred during intrusion of various granodioritic and porphyritic granodiorite plugs and dykes of the Cenozoic Coast Plutonic Complex. Significant silicification of the various crystal and minor lithic andesitic tuffs is evident along contacts with the granitic structures. The alteration appears

to be pervasive as epidote and calcite is often associated with strong silicification and quartz injection throughout the metamorphosed host.

Northwest and north trending shear patterns exist on the property. Along these shears and their intersection points are the zones of primary auriferous, sulphide-bearing quartz vein enrichment.

The shear zones appear to be directly related to the disruptive intrusive events that formed the roof pendant. Along these shear zones fissure filling, metaliferous hydrothermal fluids are emplaced associated with late stage plutonism.

The wall rocks vary from a relatively unaltered, medium green-brown, massive andesite-basalt to an altered, pale-dark, mottled, grey-green-marron andesitic crystalline tuff or altered andesite tuff. This unit is usually very well silicified and exhibits strong epidote and calcite alteration association with silicification and quartz intrusion. Metasomatic alteration has also silicified the feldspar phenocrysts commonly found in the altered andesitic crystal tuff. Minor black argillaceous siltstone is also encountered and is generally massive and only weakly altered.

Narrow felsic dykes encountered are aphanitic equivalents to the coarse-grained granodiorite and porphyritic granodiorites intruding the volcanic and sedimentary hosts. The granodioritic plugs are generally equigranular and coarse-grained with minor porphyritic phases. In the porphyritic phases, feldspar phenocrysts are generally 2 - 5 mm long and are abundant.

Mineralization

The gold and silver values encountered on the Georgia River property are associated with late stage sulphide-bearing hydrothermal fluids intruding faulted and sheared planes. Several vein systems occur on the property, usually encountered along stream beds and gullies. Seven auriferous vein systems have been identified, yet only two, the Southwest and Bullion veins, have been significantly explored. The Bullion and Southwest veins vary in width from 0.1 to 1.8 meters in width, dip sub-vertically and trend in a northerly direction.

Mineralization has also been noted in the Summit and Camp vein systems which also trend north. The previously mentioned Bullion, Southwest, Summit and Camp veins trend in a northerly direction while other gold bearing vein systems, the Main, Georgia and Gem veins trend north 40^{0} west. Little work has been completed on the Summit camp, Main, Georgia and Gem veins, therefore very little data is available.

The 1988 trenching and diamond drill program focused on developing the Southwest vein, much preliminary work had previously been completed on the Bullion and Southwest veins including extensive underground drifting, surface diamond drilling and surface trenching. The mineralogical assemblage of the Southwest vein is relatively simple, yet at this point an ore microscopy study has not been undertaken, therefore suggesting a complete paragenitic sequence would be presumptuous. Sulphides encountered in order of decreasing abundance are: pyrite, pyrrhotite, sphalerite, galena and arsenopyrite, minor amounts of tetrahedrite and chalcopyrite are also noted.

Pyrite is commonly encountered as fine-grained to coarse-grained euhedral crystals pervasively disseminated throughout the host rocks and vein material. It also forms fine fracture filling veinlets and

is commonly associated with pyrrhotite and sphalerite in semi-massive to massive clusters within the Southwest vein.

Pyrrhotite is commonly associated with pyrite in fine to coarse-grained disseminations and fine fracture filling veinlets. Pyrrhotite also occurs as massive clusters and aggregates. Sphalerite is associated with pyrite and pyrrhotite in semi-massive to massive clusters within the Southwestern vein system. Pyrrhotite and sphalerite with minor pyrite often form narrow 5 - 20 cm wide massive stringers and veins, unfortunately low gold values are associated with these features. Also, narrow quartz-calcite stringers and veins carrying minor pyrite-sphalerite-pyrrhotite with epidote yield low gold and silver values.

High gold and silver values are associated with semi-massive to massive brecciated sphalerite-pyrrhotite-pyrite containing fine to coarse-grained disseminated crystals and fine veinlets of galena. Also, laths of arsenopyrite crystals are also evident within the Southwest vein polymetallic assemblage. Rarely, chalcopyrite and tetrahedrite have also been noted as minor disseminations.

Electrum has been noted in one of the 1981 drill holes, the 1987 bulk sampling and in DDH 88-12. It occurs as fine leaflets and fracture fillings generally forming blebs up to 1 centimetre across. The electrum is pale to bright yellow in colour and is usually in close proximity to the sulphides.

DIAMOND DRILLING

A total of 2628.77 metres (8625 feet) of BDB size diamond drill core was cut from 15 drill holes using a modified JKS-300 diamond drill rig supplied by D.W. Coates Enterprises Ltd. From July to September, 1988, six diamond drill holes were completed. Based upon favorable results obtained from the summer diamond drilling and trenching program, a phase II diamond drilling and trenching program was initiated during late September and completed during late October, 1988. Drill core recovery was excellent, in excess of 95%, and all the core was stored on the property. Figure 4 illustrates the 1988 diamond drill hole locations with respect to previous diamond drilling and Table 2 summarizes the diamond drill hole data.

TABLE 2 1988 DIAMOND DRILL DATA

DDH	Azimuth	Dip	Depth(m)	Drill Pad #	Panel #
88-01	114	-55	121.30	I	1
88-02	114	-65	156.05	I	1
88-03	114	-70	188.36	I	1
88-04	146	-60	160.01	I	2
88-05	146	-65	196.59	I	2
88-06	114	-72	304.18	II	3
88-07	114	-45	141.12	II	3
88-08	114	-57	167.63	II	3
88-09	114	-66	228.28	II	3
88-10	101	-45	136.54	II	4
88-11	101	-57	167.33	II	4
88-12	101	-66	224.93	II	4
88-13	270	-45	133.50	III	5
88-14	270	-52	163.98	III	5
88-15	250	-45	138.98	III	6

Table 3 summarizes the economically significant (greater than .100 opt) gold and associated silver values obtained from the 1988 diamond drill program.

TABLE 3

ECONOMICALLY SIGNIFICANT ASSAY DATA

1988 DIAMOND DRILL HOLE PROGRAM

DDH	Intersection(m)	Width(m)	Au g/tonne	Au opt	Ag g/tonne	Ag opt
88-01	110.79 - 111.28	0.49	178.35	5.202	171.0	4.99
88-02	36.97 - 37.88	0.91	8.05	.235	24.3	.71
88-02	73.61 - 74.82	1.21	66.00	1.925	12.3	.36
88-02	143.40 - 144.01	0.61	3.99	.116	1.7	.05
88.03	164.31 - 164.61	0.30	7.85	.228	3.7	.11
88-03	176.78 - 177.14	0.36	12.50	.365	17.6	.51
88-06	260.59 - 261.57	0.98	15.65	.456	4.3	.13
88-07	111.76 - 112.01	0.25	35.95	1.049	58.8	1.72
88-07	113.53 - 114.08	0.55	4.33	.126	8.0	.23
88-07	115.03 - 115.79	0.76	54.45	1.588	33.0	.96
88-08	138.77 - 140.41	1.64	9.33	.272	14.0	.41
88-10	111.12 - 112.01	0.89	18.75	.547	12.3	.36
88-11	137.76 - 138.43	0.67	78.40	2.287	76.5	2.23
88-12	67.45 - 68.42	0.97	5.41	.158	10.7	.31
88-12	171.75 - 172.23	0.48	16.00	.467	50.2	1.46
88-12	188.97 - 189.27	0.30	14.60	.426	9.8	.29
88-14	144.16 - 144.86	0.70	3.78	.110	3.9	.11

The appropriate diamond drill sections are plotted with geology and assay data in figures 5 to 10 located in the back pocket of this report. The drill holes were designed to intersect the Southwest vein system at depth and to fill-in zones previously drilled in the Southwest vein.

Two panels were drilled from drill pad site I, including DDH 88-01 to DDH 88-03 along 114° azimuth and DDH 88-04 and DDH 88-05 were drilled along a 146° azimuth.

The Southwest vein was intersected in DDH 88-01 at 107.62 - 108.29 m and 110.79 - 111.28 m. Although low gold and silver values (.84 g/tonne Au, 13.9 g/tonne Ag) were associated with a weak quartz stockwork containing 5-7% sphalerite and 3-5% pyrite at 107.62 - 108.29 m, high gold and silver assays (178.35 g/tonne Au, 171.0 g/tonne Ag) were encountered in a strong quartz vein with 10-15% interstitial pyrrhotite, 1-2% disseminated galena and 7-10% semi-massive pyrite at 110.79 - 111.28 m.

Surprising gold-silver assays resulted from DDH 88-02. Pyrite, pyrrhotite and sphalerite mineralization in brecciated quartz-calcite veining and weak stockwork, unrelated to the Southwest vein system, was encountered at 36.97 - 37.88, 42.67 - 43.28, 59.19 - 59.64 and 73.61 - 74.82 m carrying gold-silver values ranging from .80 g/tonne Au, 1.1 g/tonne Ag to 66.00 g/tonne Au, 12.3 g/tonne Ag. The Southwest vein system was intersected at 142.40 - 144.01 m with 2-3% disseminated arsenopyrite, pyrite and pyrrhotite yielding 2.06 g/tonne Au and 4.25 g/tonne Ag.

DDH 88-03 encountered the Southwest vein system at 164.31 - 164.61 m and 176.78 - 178.45 m with quartz veins and weak quartz stockwork containing 2-3% disseminated pyrite, pyrrhotite, sphalerite and trace chalcopyrite. Gold-silver assays yielded 7.85 g/tonne Au, 3.7 g/tonne Ag and 3.87 g/tonne Au and 9.26 g/tonne Ag respectively. As in DDH 88-02, DDH 88-03 interesected anomalous gold-silver values unrelated to the Southwest vein, but rather to a quartz stockwork along a shear zone with 1-2% disseminated pyrite at 48.26 - 48.77 m yielding 1.2 g/tonne Au and 1.2 g/tonne Ag (Figure 5).

DDH 88-04 and DDH 88-05 were drilled along a 146° azimuth. Although the Southwest vein was encountered in both holes at 152.70 - 153.73 m and 190.67 - 191.41 m respectively, low gold-silver values were obtained in weak to moderate quartz stringer-stockwork containing disseminated pyrite, veinlet sphalerite and disseminated pyrrhotite (Figure 6).

DDH 88-06 to DDH 88-09 were drilled along a 114° azimuth at drill pad II while DDH 88-10 to DDH 88-12 were drilled along a 101° azimuth from the same drill set up.

A narrow, parallel, quartz vein-stockwork system was encountered in DDH 88-09 and DDH 88-06 at 107.65 - 107.88 m and 160.38 - 160.93 m respectively. Mineralization included 2-3% disseminated pyrite and pyrrhotite yielding anomalous gold-silver values of 1.18 g/tonne Au, 0.2 g/tonne Ag in DDH 88-09 and 0.78 g/tonne Au, 1.0 g/tonne Ag in

DDH 88-06. The Southwest vein was intersected in DDH 88-06 to DDH 88-09 (Figure 7). The Southwest vein yielded 15.65 g/tonne Au and 4.3 g/tonne Ag at 260.59 - 261.57 m in DDH 88-06 while sample intervals from DDH 88-07 yielded assay values of 35.95 g/tonne Au and 58.8 g/tonne Ag at 111.76 - 112.01 m and 54.45 g/tonne Au and 33.0 g/tonne Ag at 115.03 - 115.79 m. The samples contained 2-3% disseminated pyrite and pyrrhotite in DDH 88-06 and 3-5% disseminated galena and sphalerite with up to 5-7% disseminated pyrite and pyrrhotite in DDH 88-07. DDH 88-08 contained 3-5% tetrahedrite with chalcopyrite, 2-3% sphalerite, 1-2% pyrite and trace - 1% galena with arsenopyrite at 138.77 - 140.41 yielding 9.33 g/tonne Au and 14.0 g/tonne Ag. The Southwest vein indicated anomalous gold-silver values in DDH 88-09 at 182.87 - 184.40 m along a shear zone with 15-20% quartz stockwork and 1-2% disseminated pyrite and pyrrhotite yielding 2.12 g/tonne Au and 1.6 g/tonne Ag.

The fourth panel of drill holes, DDH 88-10 to DDH 88-12, was drilled from drill pad II, along a 101° azimuth (Figure 8). Values as high as 18.75 g/tonne Au and 12.3 g/tonne Ag were encountered in DDH 88-10 at 111.12 - 112.01 m carrying 3-5% arsenopyrite with 2-3% sphalerite and 2-3% pyrite. DDH 88-11 yielded 7-10% interstitial pyrite, 3-5% galena and 1-2% sphalerite at 137.76 - 138.43 m with values of 78.40 g/tonne Au and 76.5 g/tonne Ag. In DDH 88-12, values on the Southwest vein were as high as 16.00 g/tonne Au, 50.2 g/tonne Ag and 14.60 g/tonne Au, 9.8 g/tonne Ag at 171.75 - 172.23 m and 188.97 - 189.29 m respectively. Mineralization includes 10-15% interstitial pyrrhotite, 3-5% disseminated sphalerite and galena and 2-3% disseminated pyrite and pyrrhotite, trace fine-grained visible gold is also noted at 188.97 - 189.29 m.

Drill pad III hosted DDH 88-13 and DDH 88-14, drilled on a 270° azimuth and DDH 88-15 drilled on a 250° azimuth. The purpose of these drill holes was to test the southern extension of the Southwest vein and to assess whether the vein system, if present, carried any

anomalous gold or silver values. The drill holes intersected a predominately barren, wide (up to 5 metres), laminated quartz stockwork with an associated narrow quartz vein-stockwork (Figure 9). This wide barren zone is believed to be the Main vein system. Drill holes DDH 88-13 and DDH 88-14 yielded anomalous gold-silver values of 0.90 g/tonne Au, 2.4 g/tonne Ag and 1.02 g/tonne Au, 10.5 g/tonne Ag respectively. These values were associated to the narrow quartz vein (approximately .3 m wide) with 2-3% disseminated pyrite and pyrrhotite. DDH 88-15 failed to intersect any anomalous gold or silver values.

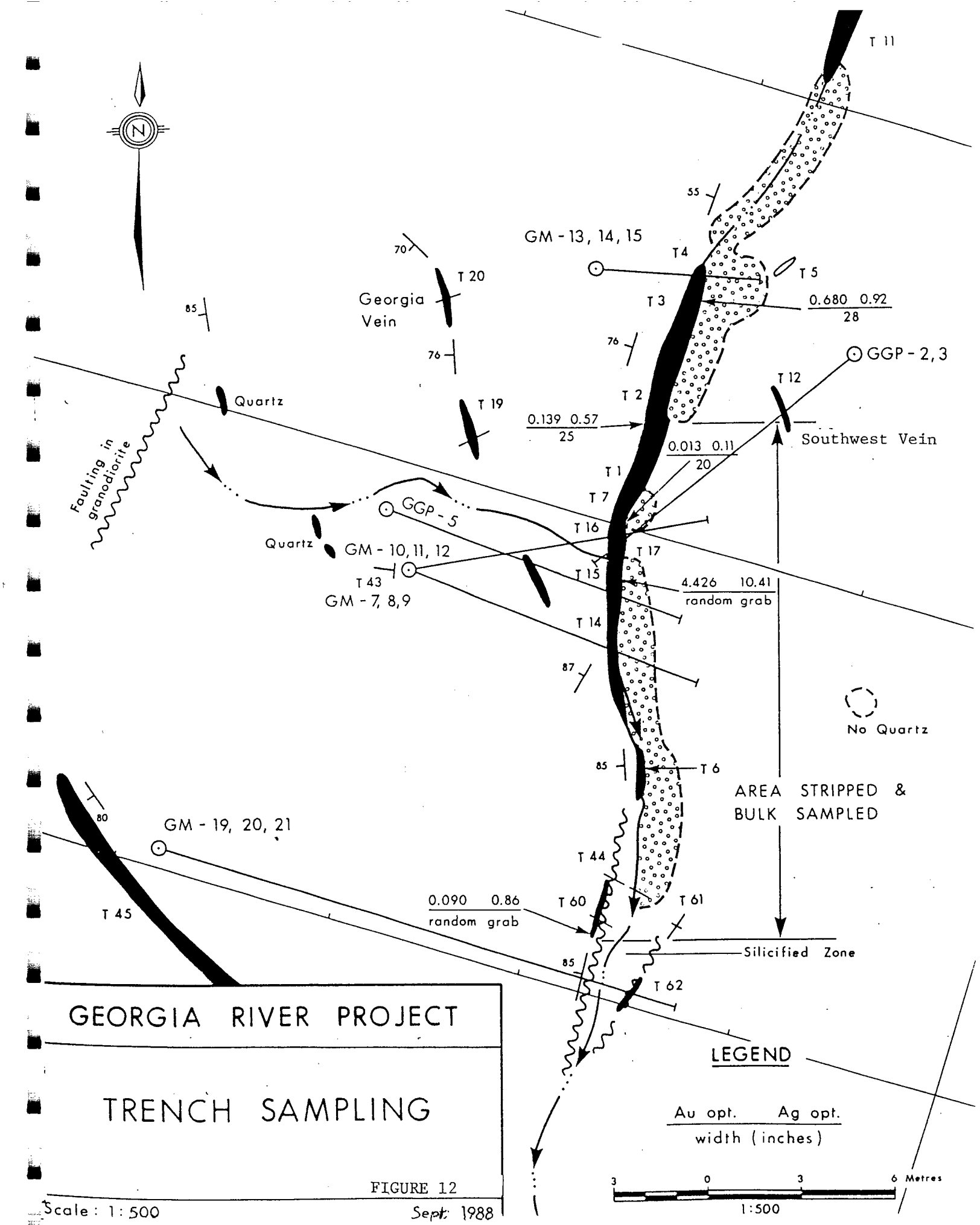
The Southwest vein was intersected by DDH 88-13 and DDH 88-14, both in two places, as the Southwest vein appears to split into two parallel narrow veins. Values obtained from DDH 88-13 yielded 2.00 g/tonne Au, 2.4 g/tonne Ag at 115.88 - 116.55 m and 1.95 g/tonne Au, 4.3 g/tonne Ag at 120.61 - 121.24 m. Values obtained from DDH 88-14 yielded 3.78 g/tonne Au, 3.9 g/tonne Ag at 144.16 - 144.86 m and 0.99 g/tonne Au, 10.6 g/tonne Ag at 148.16 - 149.01 m. Mineralization included 1-2% pyrite and pyrrhotite, 1-2% galena, 3-5% sphalerite. DDH 88-15 failed to intersect any significant gold-silver values, making correlation or positive identification of the Southwest vein from the various other quartz veins intersected impossible.(Figure 10).

TRENCHING - BULK SAMPLING

During the 1988 field season, continued trenching of the Southwest vein was undertaken as follow-up to the 1987 trenching program. In 1987, a field crew excavated a continuous trench along the Southwest vein at its intersection with the Georgia vein. The 1980 work indicated that all quartz bearing material in this zone averaged 2.31 opt Au for 13 sample intervals on 2 different quartz stringers in 9 trenches.

The 1987 work was conducted using a XAS 50 compressor and Cobra drill to move overburden and break rock and in 1988 a cobra drill was employed. All quartz bearing material was placed in 45 gallon drums for shipment to a custom lab. Five large samples were collected from the tops of 40 drums to yield an average of 2.10 opt Au and 3.91 opt Ag. This value corresponds very well with the average of the trenching above. In addition, numerous small pockets of fractured controlled pale yellow gold (electrum) were indicated during the trenching program. Except for one drill hole, native gold had not been identified until the 1987 program.

In the course of stripping, chip sampling was conducted over areas of bulk sampling. Figure 12 shows the area of sampling. Values for this sampling varied from 0.013 - 4.426 opt Au and 0.11 - 10.41 opt Ag over widths up to 28 inches(Appendix 2). Additional trenching was conducted along strike approximately 100 metres to the north of the last outcropping of the Southwest vein. The attempt was hindered by excessive snow and water draining a small lake north of the trench site. The Southwest vein was not encountered during the trenching effort.



GEORGIA RIVER PROJECT

TRENCH SAMPLING

FIGURE 12

Scale : 1 : 500

Sept. 1988

ORE RESERVES

Ore reserves for the Georgia River project have been calculated using information obtained from 35 previously completed drill holes, underground sampling, surface trenching and the 1988 diamond drilling (Appendix 1-3). The data enables mineral reserves to be "blocked out" in the following categories: drill indicated, drill inferred and geologically inferred. This is demonstated in Figure 11, Longitudinal Section of the Southwest and Bullion Veins.

The methods and criteria used in the reserve calculations are outlined below.

Using all the information gained from drill hole intersections, underground and surface trench programs, the areas of influence were assigned a grade. Each vein intersection was recalculated to its true vein width as opposed to its intersected width and, where necessary, calculated to a minimum mining width of 1.22 metres. All mineralized values were recalculated against these widths. Veins intersected by drifts and crosscuts and surface trenches were weighted according to their true width or adjusted to a minimum mining width of 1.22 meters. The true vein length, as measured from underground mapping and surface trenching was used. Grades of these veins were derived from chip samples taken across the strike of the vein on the backs of the drifts and across the face of trench cuts. Intermediate intersections on a particular vein were projected halfway to the next intersection.

The reserves have been classified using the USGS and GSC classification and are identified as indicated and inferred ore. Appendix 4 contains the definitions for the different reserve categories.

Each "block" was weighted according to the projected length and true width. By summing this product for each "block" and dividing by a volume factor of 11 cubic feet per ton a total tonnage was arrived at for each "block". The tonnage factor is based on approximately 10% sulphides including sphalerite, galena, pyrrhotite and pyrite each 25%. The weight of the gold and silver are not incorporated in calculating the tonnage factor. Total ounces of gold and silver were calculated for each "block". Adding all the tonnage factors and total ounces yields the total number of tons, the total ounces and ultimately the average grade for ore category.

Tables 4 and 5 give the indicated and inferred tonnages for the various blocks in Zone 1 and Zone 2 of the Southwest vein.

TABLE 4

RESERVES OF THE SOUTHWEST VEIN ZONE 1

Indicated

	Block (tons)	Grade (minimum 1.22 m width) Au opt	Ag opt	Ounces Au	Ag
1.	2083.42	.040	2.32	83.34	4833.53
2.	1268.85	.266	.36	337.51	456.79
3.	1762.29	.729	.86	1284.71	1515.57
4.	959.99	.35	.29	336.00	278.40
5.	834.15	.216	.11	180.17	91.76
6.	744.08	.216	.11	160.72	81.85
7.	1425.24	.336	.35	478.88	498.83
8.	1065.20	.515	.97	548.58	1033.24
9.	3841.79	.788	.94	3027.33	3611.28
10.	1312.90	.03	.03	39.39	39.39
11.	391.62	.810	.810	317.21	317.21
12.	2108.87	1.51	2.3	3184.39	4850.40
13.	7383.71	2.05	1.28	15136.61	9451.15
14.	5717.65	.727	.586	4156.74	3350.54
15.	4386.14	.778	.496	3412.42	2175.53
16.	886.76	.330	.266	292.63	235.88
17.	5642.27	1.336	1.414	7538.07	7978.17
18.	3741.93	.218	.327	815.74	1223.61
19.	5799.89	.742	.724	4303.52	4199.12
20.	6044.65	.037	.076	223.65	459.39
21.	5639.33	.147	.256	885.37	1443.67
22.	5869.40	.035	.026	205.43	152.60
23.	4542.79	.079	.148	358.88	672.33
24.	2584.69	.154	.360	398.04	930.49
	76037.61	.627	.656	47705.33	49880.73

Drill Inferred

A	57321.42	(See Figure 11)
B	3710.60	(See Figure 11)
C	52884.37	(See Figure 11)
	113916.39	

Geologically Inferred

D	58743	(See Figure 11)

TABLE 5

RESERVES OF THE SOUTHWEST VEIN ZONE 2

Indicated

	Block (tons)	Grade(minimum 1.22 m width) Au opt	Ag opt	Ounces Au	Ag
25.	4254.95	.303	.433	1289.25	1842.39
26.	2715.88	.067	.050	181.96	135.79
27.	6013.33	7.292	2.14	43849.20	12868.53
28.	8488.36	.097	.34	823.37	2886.04
29.	4636.78	.040	.05	185.47	231.84
30.	3558.28	1.091	.78	3882.08	2775.45
31.	2757.00	.219	.19	603.78	423.83
	32424.58	1.567	.656	50815.11	21263.87

Drill Inferred

E 19972.62 (See Figure 11)

Geologically Inferred

F 19972.62 (See Figure 11)

In summary, the Southwest vein Zone 1 mineral inventory is calculated at:

Indicated	76037.61	
Drill Inferred	113916.39	
Geologically Inferred	58743.00	
TOTAL	248697.00	tons of .627 opt Au and .656 opt Ag

The Southwest vein Zone 2 mineral inventory is calculated at:

Indicated	32424.58	
Drill Inferred	19972.62	
Geologically Inferred	19972.62	
	72369.82	tons of 1.567 opt Au and .656 opt Ag

Therefore, the weighted average between Zone 1 and Zone 2 of the Southwest vein, yields 321,067 tons of .839 opt Au and .656 opt Ag. Note that the gold values differ significantly between the Zone 1 and Zone 2 at .627 opt and 1.567 opt respectively yet the silver values were identical at .656 opt for both zones within the Southwest vein.

Previous drilling conservatively indicates the Bullion vein yields 6195.2 tons of .122 opt Au and .30 opt Ag. Since this vein is considerably lower in grade, it was not included in the tonnage calculation with the Southwest zones.

CONCLUSIONS

1. Work completed to date has indicated that significant gold and silver values are associated with sulphide-bearing quartz veins emplaced along northerly and northwesterly trending shear patterns.

2. Two of seven known auriferous vein systems have only been signficantly explored. They are the Bullion and Southwest veins.

3. With support from previous underground development, surface diamond drilling and trenching, the 1988 diamond drill program outlined 321,067 tons of material grading .839 opt gold and .656 opt silver.

4. The property has excellent potential for developing further ore reserves with added exploration efforts.

5. An extensive underground and surface exploration program is strongly recommended. The program would include rehabilitation of existing underground workings as well as continued underground drifting, stope testing and underground diamond drilling. A rigorous surface diamond drilling program is recommended for the other auriferous quartz vein systems as well as completing fill-in drilling on the Southwest and Bullion veins. Continued trenching of the Southwest vein as well as other anomalous, gold-bearing, quartz systems is also recommended. This intensive geological exploration program would cost approximately $2,000,000.

RECOMMENDATIONS

A three month long underground and surface exploration program is recommended including trenching, surface diamond drilling, underground diamond drilling and underground development and rehabilitation.

Total cost for the 90 day program follows:

Personnel - Geologist @ $400/day	36,000
- 8 Assistants @ $150/day	108,000
Equipment Rentals	16,000
Mobilization/Demobilization	10,000
Camp - 15 men @ $25/man/day	33,750
Subsistence - 15 men $25/man/day	33,750
Consumables: fuel, dynamite, lumber, etc.	10,000
Assays	20,000
Freight	7,000
Helicopter Bell 206 - 100 hrs. @ $600/hr	60,000
Bell 204 - 25 hrs. @ $1620/hr	40,500
Diamond Drilling - Surface 35,000 ft. @ $25/ft	875,000
- Underground 10,000 ft. @ $30/ft	300,000
Underground Development and Rehabilitation (includes drifting and test stoping)	350,000
SUB TOTAL	1,900,000
CONTINGENCY	100,000
TOTAL	2,000,000

STATEMENT OF EXPENDITURES
August - October, 1988

Mob/Demob (crew and equipment to Stewart)				12,500.00
Helicopter				94,518.82
Diamond Drilling (October 1-15)				244,243,03
Assays				6,847.76
Camp - $25/manday (523 mandays)				13,075.00
Fuel, lumber, etc.				4,503.37
Generator - $20/day (48 days)				960.00
Consumables - $7/manday (523 mandays)				3,661.00
Communications - $10/day (48 days)				480.00
Food - $23/manday (523 mandays)				12,029.00
Cobra Drill - $50/day (48 days)				2,400.00
Explosives (pro-rated)				750.00
Lumber & Hardware (pro-rated)				1,000.00
Expediting				4,756.15
Freight				42.03
Map reproduction				60.24
Personnel - October 1 - 24				
E. Kruchkowski	$400/day	geologist	5,600.00	
K. Konkin	$250/day	geologist	6,000.00	
G. Sinden	$200/day	geological/ technician	4,800.00	
T. Devine	$150/day	geological/ assistant	3,600.00	
B. Johansson	$150/day	geological/ assistant	3,600.00	
D. Sloan	$150/day	geological/ assistant	3,600.00	
M. Jaegar	$150/day	geological/ assistant	3,600.00	
B. Touzin	$150/day	geological assistant	3,600.00	
S. Weir	$150/day	camp cook	3,600.00	
				38,000.00

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Statement of Expenditures - cont'd

Personnel - August program

K. Konkin	24 days @ $250/day	6,000	
E. Kruchkowski	10 days @ $300/day	3,000	
M. Jaeger	20 days @ $150/day	3,000	
C. Moehling	15 days @ $160/day	2,400	
J. Paquette	22 days @ $150/day	3,300	
A. Hoffman	13 days @ $150/day	1,950	
T. McIndoe	13 days @ $150/day	1,950	
S. Weir	14 days @ $150/day	2,100	
			23,700.00
Report Writing			7,000.00
Drafting			2,500.00
TOTAL			$473,026.40

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CERTIFICATE

I, KENNETH J. KONKIN, Geologist, residing at 4117 Burkeridge Place, in the City of West Vancouver, in the province of British Columbia, hereby certify that:

1. I received a Bachelor of Science degree in Geology from the University of British Columbia in 1985.

2. I have been practising my profession continuously since graduation.

3. I am a consulting geologist working on behalf of Avatar Resources Ltd.

4. This report is based on a review of reports, documents, maps and other technical data, and field work carried out by myself from July - October, 1988 and on my experience and knowledge of the area.

5. I hold no direct interest in the Georgia River Claims.

Jan 18/89

DATE

K.J. KONKIN, B.Sc.

CERTIFICATE

I, EDWARD R. KRUCHKOWSKI, Geologist, residing at 23 Templeside Bay N.E., in the City of Calgary, in the province of Alberta, hereby certify that:

1. I received a Bachelor of Science degree in Geology from the University of Alberta in 1972.

2. I have been practising my profession continuously since graduation.

3. I am a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

4. I am a consulting geologist on behalf of Avatar Resources Ltd.

5. This report is based on a review of reports, documents, maps and other technical data on the property area and on my experience and knowledge of the area.

Jan 19/89

DATE

E.R. KRUCHKOWSKI, B.Sc.

APPENDIX I

1988 Diamond Drill Logs

E.R. KRUCHKOWSKI CONSULTING LTD.

PROPERTY Georgia River DATE August 16, 1988 AZIMUTH 114° LOGGED BY

DRILL HOLE 88-01 DEPTH 121.30 m DIP -55°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonn
	0 - 2.13			Casing; overburden, fractured o/c		
	2.13 - 24.08			Porphyritic granodiorite; 20-25% 1-3 mm plagioclase + chloritized		
				biotite + hornblende phenocrysts, in a weakly silicified		
				and leached matrix, excellent recovery, trace fine-grained		
				disseminated pyrite and pyrrhotite, weak limonitic oxide		
				along fracture planes.		
				-chloritic/clay fault gouge 12.28 - 12.44 m		
				-intense silicification, silica replacement @ 20.02 - 21.27 m		
				no visible sulphides.		
	24.08 - 63.40			Altered andesite tuff, pale grey-green mottled with dark maroon-grey,		
				10-15% obscured remnant phenocrysts and lithic fragments (chloritized),		
				patches of epidote alteration 5-7%, weakly foliated 50° to C.A.,		
				locally well leached & silicified, minor trace - 1% fine-grained		
				to coarse-grained disseminated pyrite and pyrrhotite, minor 3-5%		
				quartz ± calcite stringer ± pyrite ± pyrrhotite		
44001		42.94 - 43.98	1.04	-intensely silicified with quartz stockwork 15-20% with 3-5%	.03	1.6

E.R. KRUCHKOWSKI CONSULTING LTD.

PROPERTY Georgia River DATE August 16, 1988 AZIMUTH 114° LOGGED BY

DRILL HOLE 88-01 DEPTH 121.30 m DIP -55°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
				calcite, 1-2% coarse-grained disseminated pyrrhotite		
44002						
44002		45.93 - 46.63	.7	- intensely silicified, strong epidote alteration, 5-7% pyrrhotite	.37	1.1
				veinlets + dissemination		
44003		46.63 - 47.33	.70	- intensely silicified, 20-25% quartz stockwork with 3-5% epidote,	.01	1.2
				1-2% coarse-grained disseminated pyrrhotite		
44004		49.16 - 50.29	1.13	- intensely silicified with 15-20% quarts stockwork with 2-3%	.01	0.9
				epidote, 1-2% coarse-grained disseminated pyrrhotite		
44005		51.54 - 52.88	1.34	- intensely silicified with 20-25% quartz stockwork with 2-3%	.04	1.0
				epidote, 2-3% coarse-grained disseminated pyrrhotite + veinlet		
44006		54.80 - 55.26	.46	- intensely silicified with 30-35% quartz stockwork with 2-3%	.18	1.0
				epidote + calcite, 3-5% pyrrhotite + pyrite		
44007		58.43 - 59.04	.61	- intensely silicified with 15-20% quartz stockwork with 2-3%	.07	0.7
				pyrite and pyrrhotite disseminated + veinlet		

E.R. KRUCHKOWSKI CONSULTING LTD.

PROPERTY Georgia River DATE August 16, 1988 AZIMUTH 114° LOGGED BY

DRILL HOLE 88-01 DEPTH 121.30 m DIP -55°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonn
	63.40 - 64.07			Andesite; weakly altered, medium green intercolated with		
				brown, foliated 45° to C.A., 7-10% calcite veinlets + sweats,		
				weakly porphyritic		
	64.07 - 65.77			Quartz vein/stockwork, milky white quartz 55-60% in silicified		
				volcanic host, 2-3% disseminated + veinlet pyrite, 5-7% disseminated		
				+ veinlet pyrrhotite		
44008		64.07 - 65.13	1.06	- quartz stockwork, 30-35%, 3-5% disseminated + veinlet pyrite	.43	1.4
				+ pyrrhotite		
44009		65.13 - 65.77	.64	quartz vein with 7-10% pyrrhotite, 3-5% pyrite	.15	1.7
	65.77 - 110.48			Andesite; as 63.40 - 64.07 m		
				- fault at 96.46 - 96.56 m		
44010		97.23 - 97.84	.61	- quartz veins 3 and 10 cm wide, 55° to C.A., barren	.01	1.8
44011		107.62 - 108.29	.67	- intensely leached + silicified, 10-15% quartz stockwork,	.84	13.9

E.R. KRUCHKOWSKI CONSULTING LTD.

PROPERTY Georgia River DATE August 16, 1988 AZIMUTH 114° LOGGED BY

DRILL HOLE 88-01 DEPTH 121.30 m DIP -55°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
				5-7% sphalerite, 3-5% pyrite		
				- intensely leached volcanics @ 108.99 - 110.48 m		
44012		110.79 - 111.28	.49	- quartz vein, white quartz with 10-15% interstitial pyrrhotite,	178.35	171.
				1-2% fine-grained disseminated galena, semi-massive, 7-10% pyrite		
	111.28 - 120.09			Andesite; as 63.40 - 64.07 m		
	120.09 - 121.30			Altered andesitic tuff; silicified + porphyritic, as 24.08 - 63.40 m		
	121.30 m			E.O.H.		

E.R. KRUCHKOWSKI CONSULTING LTD.

PROPERTY Georgia River | DATE August 18, 1988 | AZIMUTH 114° | LOGGED BY

DRILL HOLE 88-02 | DEPTH 156.05 m | DIP -65°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	0 - 2.13			Casing; overburden, fractured o/c		
	2.13 - 26.52			Porphyritic granodiorite; 20-25% 1-3 mm plagioclase + chloritized		
				biotite + hornblende phenocrysts in a weakly silicified, fine-		
				grained equigranular strongly leached matrix, excellent recovery		
				trace fine-grained disseminated pyrite + pyrrhotite weak		
				limonitic oxide along fracture planes, locally strong clay		
				alteration, minor altered andesite tuff near contact		
				- chloritic/clay gouge @ 14.93 - 15.03 m		
				3-5 cm semi-massive pyrite + disseminated pyrrhotite @ 23.96 m		
	26.52 - 65.99			Altered andesite tuff; pale-dark grey-green mottled with dark brown-		
				maroon-grey, 10-15% obscured remnant phenocrysts + lithic fragements		
				(chloritized), patches of epidote alteration 5-7%, weakly foliated		
				65° to C.A., locally well silicified and leached, minor quartz ±		
				calcite stringers ± pyrite ± pyrrhotite (trace - 2% sulphides)		
				- well silicified @ 34.75 - 35.05		

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DRILL HOLE 88-02 DEPTH 156.05 m DIP -65°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
44013		36.97 - 37.88	.91	- 10-15% quartz + calcite stockwork, 10-15% semi-massive sphalerite	8.05	24.3
				7-10% disseminated pyrite + pyrrhotite		
44014		42.67 - 43.28	.61	- 20-25% quartz stockwork, gouge at 42.67 - 42.73, 3-5% pyrite +	1.37	2.1
				pyrrhotite, 1-2% sphalerite		
44015		44.32 - 45.60	1.28	- 10-15% quartz stockwork, 3-5% epidote, 2-3% pyrite + pyrrhotite	.20	1.2
44016		46.24 - 46.51	.27	-20 cm quartz vein with 3-5% epidote, 2-3% pyrite + pyrrhotite	.18	1.0
				weak stringers 1-3 cm wide (barren quartz ± calcite) @ 47.24 - 65.99	m	
44017		59.19 - 59.65	.46	-25 cm quartz + calcite vein with 2-3% disseminated pyrite + pyrrho-	.80	1.1
				tite		
	65.99 - 67.33			Andesite; medium green intercolated with medium-dark brown andesite,		
				well altered, locally silicified and leached laminated 55° to C.A.,		
				5-7% quartz ± calcite veinlet + stringers, up to 3-5% disseminated		
				pyrite ± pyrrhotite generally only 1-2% disseminated sulphides		
44018	67.33 - 68.15	67.33 - 68.15	.82	Quartz vein; brecciated vein + quartz-calcite stockwork, 85%	.35	1.9

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SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
				quartz, 15% calcite, minor andesite host, 5-7% veinlet pyrite		
	68.15 - 75.59			Andesite; as 65.99 - 67.33 m		
44019		68.76 - 69.09	.33	- 35-40% quartz stockwork, 3-5% disseminated pyrite	.09	2.2
44020		71.62 - 72.69	1.07	- brecciated and silicified with 15-20% quartz + calcite stockwork	.48	4.1
				3-5% disseminated pyrite		
44021		72.69 - 73.61	.92	- silicified with 10-15% quartz + calcite stockwork, 3-5% dissemin-	.51	1.8
				ated pyrite		
44022		73.61 - 74.82	1.21	- brecciated & silicified with 10-15% quartz + calcite stringers,	66.0	12.3
				2-3% disseminated pyrite		
44023		74.82 - 75.59	.77	- 10-15% 1-10 cm quartz + calcite stringers, 2-3% disseminated pyrite	.23	2.0
44024	75.59 - 76.50	75.59 - 76.50	.91	Quartz + calcite vein; predominately barren with minor 15-20%	.40	2.4
				sericite alteration andesite host, 3-5% disseminated blebs		
				pyrite + pyrrhotite		

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DRILL HOLE 88-02 DEPTH 156.05 m DIP -65°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	76.50 - 124.5			Andesite; as 65.99 - 67.33 m, intense calcite veinleting @		
				92.96 - 93.26, 95.09 - 97.84 generally 15-20% calcite veinlets		
				-gouge @ 118.10 - 118.50		
44025	124.50 - 125.27	124.50 - 125.27	.77	Quartz vein; milky white predominately barren 1-2% disseminated	.01	0.9
				pyrite ± pyrrhotite, 30-35% sericite alteration andesite host,		
				contact 30° to C.A.		
	125.27 - 143.40			Altered andesite tuff; as 26.52 - 65.99 m		
44026		125.27 - 126.03	.76	- very well silicified vein contact	.01	1.7
				- strong silicification @ 132.28 - 133.04 with 5-7% epidote,		
				trace - 1% pyrite dissemination, 5 cm barren quartz stringer @ 135.17 m		
44027		142.40 - 143.40	1.00	- pale green well silicified altered andesite tuff, contact	.89	5.8
				to quartz vein		
44028	143.40 - 144.01	143.40 - 144.01	.61	Quartz vein, milky whtie with 2-3% dissemination, blebs	3.99	1.7
				arsenopyrite +pyrite ± pyrrhotite, contact 25° to C.A.		
	144.01 - 156.05			Altered andesite tuff; dark grey-blue mottled with dark		

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DRILL HOLE 88-02 DEPTH 156.05 m DIP -65°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
				maroon-brown, porphyritic, 15-20% 1-3 mm plagioclase phenocrysts,		
				minor lithic fragments, well silicified, trace - 2% disseminated		
				pyrite, pyrrhotite, minor leached zones, 2-3% 1-5 mm calcite +		
				quartz veinlets, 3-5% epidote		
				- well leached and weakly silicified, pale green, @ 148.58 - 151.97 m		
	156.05			E.O.H.		

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DRILL HOLE 88-03 DEPTH 188.36 m DIP -70°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	0 - 2.13			Casing, overburden, fractured o/c		
	2.13 - 22.71			Porphyritic granodiorite, 20-25% 1-3 mm plagioclase + chloritized		
				biotite + hornblende phenocrysts in a weakly silicified, fine-grained		
				equigranular - strongly leached matrix, excellent recovery, trace fine-		
				grained disseminated pyrite ± pyrrhotite, weak limonitic oxide along		
				fracture planes, local strong clay altered, minor alteration,		
				andesite tuff near contact		
				- fractured core, fault zone @ 12.50 - 13.11 m		
				- clay/chlorite gouge 6 cm wide @ 16.15 m		
	22.71 - 55.93			Altered andesite tuff; pale-dark grey green mottled with dark		
				brown-maroon-gray, 10-15% obscured remnant phenocrysts + lithic		
				fragments (chloritized), patches of epidote + veinlets 5-7%,		
				weakly foliated 30° to C.A., locally well silicified & leached, minor		
				quartz ± calcite stringers ± pyrite ± pyrrhotite (trace - 2% sulphides)		
				dissemination		
				- sheared, fault zones @ 25.45 - 26.21 m		

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DRILL HOLE 88-03 DEPTH 188.36 m DIP -70°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
44029		35.51 - 36.09	.58	- well silicified with 15-20% quartz stringers, 3-5% disseminated	.01	1.1
				pyrrhotite, trace - 1% sphalerite + pyrite		
44030		48.28 - 48.77	.49	- quartz vein/stockwork with shear zone @ 48.37 - 48.40, shear	1.2	1.2
				zone/vein 60° to C.A., 1-2% disseminated pyrite		
	55.93 - 63.52			- Silicified altered andesitic volcanic tuff with quartz stockwork/		
				stringers with minor calcite veinleting		
44031		55.93 - 56.99	1.06	- 15-20% quartz stockwork, 2-3% epidote veinlets, 3-5%	.02	1.0
				disseminated pyrite + pyrrhotite		
44032		56.99 - 57.88	.89	- 15-20% quartz stockwork, 3-5% disseminated pyrite	.01	1.1
44033		57.88 - 58.67	.79	- 20-25% quartz + calcite stockwork/stringers, 2-3% disseminated	.01	0.9
				pyrite		
44034		60.41 - 61.41	1.00	- 7-10% quartz stringers, 2-3% disseminated pyrite	.57	1.9
44035		61.41 - 62.02	.61	- 30-35% quartz + calcite stockwork, 1-2% pyrite and pyrrhotite	.01	1.6
44036		63.24 - 63.52	.28	- 20-25% quartz stringers, 1-2% disseminated pyrite	.15	1.4
	63.52 - 67.66			Altered andesite tuff as 22.55 - 55.93		
	67.66 - 76.35			Andesite, medium green intercolated with medium-dark brown		

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DRILL HOLE 88-03 DEPTH 188.36 m DIP -70°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
				andesite, well altered; locally silicified and leached,		
				laminated 35-40° to C.A., 5-7% barren quartz + calcite veinlets +		
				stringers, up to 3-5% disseminated pyrite ± pyrrhotite generally		
				only 1-2% disseminated sulphides		
44037	71.65 - 72.30		.65	- 15-20% quartz + calcite stringer/stockwork, 3-5% disseminated pyrite	.18	2.7
44038	75.74 - 76.35		.61	- 15-20% quartz + calcite stringer/stockwork, 3-5% disseminated	.29	1.9
				pyrite		
	76.35 - 77.84			Brecciated quartz calcite vein, 5-10% sericite altered		
				andesitic host, 1-2% disseminated pyrite + pyrrhotite		
44039		76.35 - 77.11	.76	as above	.04	1.8
44040		77.11 - 77.84	.73	as above	.08	2.0
	77.84 - 125.88			Andesite, as 67.66 - 76.35 m		
				- 20-25% calcite (barren) veinleting @ 101.49 - 103.93		
44041		121.76 - 122.13	.37	- 30-35% quartz stringers, 2-3% disseminated pyrite	.01	1.9
44042		125.18 - 125.88	.70	- 30-35% quartz stringers/stockwork, 2-3% disseminated pyrite	.09	1.0

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DRILL HOLE 88-03 | DEPTH 188.36 m | DIP -70°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	125.88 - 188.36			Altered andesite tuff; dark mottled blue-grey as 22.55 - 55.93		
				- fault gouge @ 137.76 - 138.37 m		
				- intesnely leached (rhyolite dyke?) @ 149.71 - 162.76, minor 10-15%		
				altered andesite tuff		
44043		162.76 - 163.67	.91	- 15-20% quartz stringers/stockwork, 1-2% disseminated pyrite	.21	0.8
44044		163.67 - 164.31	.64	- 5-10% quartz stringers, 1-2% disseminated pyrite, rhyolite	.38	1.8
				dyke @ 164.13 - 164.31 m		
44045		164.31 - 164.61	.30	-15 cmquartz vein 45-50° to C.A. with 5-7% pyrrhotite, 1-2% pyrite	7.85	3.7
				1-2% sphalterite		
44046		176.78 - 177.14	.36	- Quartz vein with 2-3% disseminated pyrite, 1-2% pyrrhotite +	12.50	17.6
				sphalerite		
44047		177.14 - 177.84	.70	- 10-15% quartz stringers, 2-3% disseminated pyrite	1.46	2.4
44048		177.84 - 178.45	.61	- 15-20% quartz stringers, 2-3% disseminated pyrite, trace	1.55	12.2
				chalcopyrite		
	188.36			E.O.H.		

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PROPERTY Georgia River DATE August 24, 1988 AZIMUTH 146° LOGGED BY

DRILL HOLE 88-04 DEPTH 160.01 m DIP -60°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	0 - 2.13			Casing; overburden, fractured o/c		
	2.13 - 40.20			Porphyritic granodiorite, 20-25% 1-3 mm plagioclase + chloritized		
				biotite + hornblende phenocrysts in a silicified fine-grained to		
				medium-grained equigranular matrix, strongly leached, trace fine-grained		
				disseminated pyrite ± pyrrhotite, weak limonitic oxide along fractured		
				planes, local strong clay altered, minor altered andesite tuff near		
				contact, 2-3% quartz + calcite barren veinlets + stringers		
				- gouge zone @ 7.86 - 7.92 m		
				- shear zone @ 20.85 - 20.97 m		
	40.20 - 81.23			Altered andesite tuff: very fine-grained, mottled pale-dark		
				grey green with medium-dark maroon-brown, weakly porphyritic,		
				5-7% remnant plagioclase phenocrysts 1-3 mm, very well silicified		
				leached and altered, minor remnant, 3-5% volcanic rock fragments,		
				2-3% epidote, 5-7% barren quartz ± calcite stringers and veinlets,		
				1-2% disseminated pyrite ± pyrrhotite		
44049		47.36 - 47.79	.43	- 8 mm quartz stringer with 7-10% pyrite + pyrrhotite	.34	1.8

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DRILL HOLE 88-04 | DEPTH 160.01 m | DIP -60°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
				moderately silicified @ 64.31 - 64.77, trace - 1% disseminated pyrite		
	81.23 - 92.96			Andesite; medium green intercolated with minor brown altered		
				andesite, very fine-grained, massive, trace - 1% disseminated		
				pyrite ± pyrrhotite, weakly altered, 1-2% barren calcite + quartz		
				veinlets, foliated 30° to C.A.		
44050	92.96 - 93.51	92.96 - 93.51	.55	Quartz vein/stockwork; 15-20% altered andesite tuff	.02	0.6
				host, 3-5% epidote, 1-2% disseminated pyrite + pyrrhotite		
	93.51 - 117.34			Altered andesite tuff; as 40.20 - 81.23 m		
44041		96.92 - 97.84	.92	- well silicified with 20-25% quartz stockwork, 3-5% epidote,	.01	0.9
				1-2% pyrrhotite dissemination		
44052		103.23 - 103.78	.55	- 25-30% quartz stockwork, 2-3% epidote, 1-2% pyrrhotite + pyrite	.04	1.4
44053		105.46 - 106.37	.91	- sheared &leached, gouge @ 105.46 - 105.91, 2-3% pyrite	.01	1.2
44054		109.88 - 110.48	.60	- 35-40% quartz stockwork, 2-3% epidote, trace pyrite	.01	0.8
44055		115.57 - 116.28	.71	- 35-40% quartz + calcite stockwork, 3-5% epidote, 1-2%	.52	2.0
				disseminated pyrrhotite		

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DRILL HOLE 88-04 | DEPTH 160.01 m | DIP -60°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	117.34 - 132.76			Felsic dyke; contact 35-40° to C.A., pale grey-green, porphyritic		
				10-15% 1-2 mm "quartz-eyes" in vein aphanitic matrix,		
				well leached and silicified (possible equivalent to porphyritic		
				granodiorite?) 5-7% barren quartz stringers, 3-5% epidote, 1-2%		
				disseminated pyrite + pyrrhotite, 10% minor andesite and altered		
				andesite tuff host.		
44056		123.22 - 123.90	.68	- 15-20% quartz stringers, very well silicified, no obvious	.08	1.0
				sulphides		
44057		123.90 - 124.96	1.06	- Quartz vein, 10% host very well silicified, 3-5% disseminated	.10	0.2
				pyrite		
44058		127.70 - 128.80	1.10	- Quartz vein/stockwork, 15-20% silicified host, 3-5% disseminated	.07	0.4
				pyrite		
	132.76 - 160.01			Altered andesite tuff, as 40.20 - 81.23 with minor laminated		
				andesite @ 148.89 - 151.78, granitized andesite tuff		
44059		148.43 - 148.89	.46	- Quartz vein/stockwork, 20-25% silicified host, 3-5% epidote,	.12	0.2
				trace disseminated pyrite		
44060		151-17 - 151-78	.61	- 15-20% quartz stockwork, 5-7% disseminated pyrite	.47	2.2

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DRILL HOLE 88-04 DEPTH 160.01 m DIP -60°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
44061		152.70 - 153.73	1.03	- 15-20% quartz stockwork, 7-10% disseminated pyrite, 5-7%	1.67	16.5
				veinlet sphalerite		
	160.01			E.O.H.		

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PROPERTY Georgia River | DATE August 29, 1988 | AZIMUTH 146° | LOGGED BY

DRILL HOLE 88-05 | DEPTH 196.59 m | DIP -65°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	0 - 2.13			Casing, overburden, fractured o/c		
	2.13 - 41.60			Porphyritic granodiorite; 20-25% 1-3 mm plagioclase + chloritized		
				hornblende + biotite phenocrysts in an equigranular, silicified		
				fine-grained to medium-grained, strongly leached matrix,		
				trace fine-grained disseminated pyrite + pyrrhotite, weak		
				limonitic oxide along fracture planes, locally strong clay alteration.		
	41.60 - 163.67			Altered andesite tuff, pale-dark grey-green-blue mottled		
				with dark maroon-brown altered andesite, porphyritic 5-7%		
				1-5 mm feldspar phenocrysts, 7-10% epidote + calcite + quartz		
				stringers + veinlets, altered host rock, well silicified & leached		
				locally, trace - 2% fine-grained to coarse-grained disseminated		
				pyrite $\pm$ pyrrhotite		
				- medium green andesite dyke @ 58.06.59.28 m		
44062		67.66 - 68.73	1.07	- 15-20% quartz stockwork, 3-5% disseminated pyrrhotite, 2-3%	.04	0.6
				disseminated pyrite		
44063		99.66 - 100.12	.46	- 15-20% quartz stockwork, 3-5% disseminated pyrrhotite, 2-3%	.33	0.2

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DRILL HOLE 88-05 DEPTH 196.59 m DIP -60°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
				disseminated pyrite		
44064		100.12 - 100.73	.61	- Quartz vein, 3-5% epidote, 2-3% disseminated pyrite + pyrrhotite	.17	0.2
44065		100.73 - 101.52	.79	- 10-15% quartz stockwork, 3-5% disseminated pyrite + pyrrhotite	.05	.2
44066		106.37 - 107.28	.91	- 15-20% quartz stockwork, 2-3% epidote, 2-3% pyrrhotite + pyrite	.18	8.0
44067		107.28 - 107.59	.31	- Quartz vein, 2-3% disseminated pyrrhotite	.63	.5
44068		109.88 - 111.09	1.21	- 20-25% quartz stockwork, 5-7% epidote, 1-2% disseminated	.06	.2
				pyrite + pyrrhotite		
44069		113.59 - 114.45	.86	- 35-40% quartz stockwork, well leached host, 2-3% disseminated	.01	1.5
				pyrite		
44070		114.45 - 115.21	.76	- 10-15% quartz stringers, 2-3% disseminated pyrite + pyrrhotite	.18	.2
44071		120.24 - 122.07	1.83	- Very well leached & silicified, 2-3% disseminated pyrite	.01	.6
44072		122.07 - 123.86	1.79	- 15-20% quartz stockwork, 3-5% disseminated pyrite, 1-2%	.01	.2
				blebs sphalerite		
44073		124.72 - 125.18	.46	- 15-20% quartz stockwork, 7-10% epidote, 2-3% disseminated	.02	.5
				pyrrhotite		
				- well granitized @ 129.23 - 139.38 m		
44074		134.56 - 135.63	1.07	- 15-20% quartz stringers, 3-5% disseminated pyrrhotite, pyrite +	.06	.4
				sphalerite		
44075		135.63 - 136.54	.91	- 10-15% quartz stringers, well leached & granitized, 3-5%	.01	2.2
				disseminated sphalerite, 1-2% pyrite + pyrrhotite		

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DRILL HOLE 88-05 DEPTH 196.59 m DIP -65°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
44076		145.69 - 146.08	.39	- 15-20% quartz stockwork, 3-5% epidote, trace pyrite	.03	1.0
44077		150.26 - 150.69	.43	- 15-20% quartz stockwork, 3-5% epidote, 3-5% pyrrhotite,	.07	.4
				1-2% pyrite		
	163.67 - 184.09			Andesite, medium-dark maroon-brown-green massive andesite with		
				7-10% quartz + calcite stringers + veinlets, minor porphyritic		
				(feldspar phenocrysts up to 15-20%) zones		
44078		167.17 - 167.81	.64	- 20-25% quartz + calcite stockwork, barren	.01	2.0
44079		182.87 - 183.15	.28	- 10 cm band of semi-massive pyrrhotite, 30-35° to C.A.	.28	2.1
	184.09 - 196.59			Altered andesite tuff, as 41.60 - 163.67 m		
44080		187.60 - 188.05	.45	- Very well silicified, 5-7% disseminated pyrite, 3-5% disseminated	.32	.8
				pyrrhotite		
44081		189.27 - 190.03	.76	- Very well silicified and leached	.41	.7
44082		190.03 - 190.67	.64	- Quartz vein, predominantly barren with 1-2% disseminated	.53	.5
				pyrite + pyrrhotite, contact 25-30° to C.A.		
44083		190.67 - 191.41	.74	- Very well silicified, 7-10% quartz stringer, 1-2% pyrite +	.85	2.0
				pyrrhotite		

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DRILL HOLE 88-05 | DEPTH 196.59 m | DIP -65°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
44084		191.41 - 192.93	1.52	- Very well silicified, 7-10% quartz stringer, 1-2% pyrite +	.53	.5
				pyrrhotite		
44085		192.93 - 194.73	1.80	- Very well silicified, 15-20% quartz stringer, 1-2% pyrite +	.28	1.6
				pyrrhotite		
44086		195.98 - 196.59		- Shear zone @ 195.98 - 196.59, 5-7% quartz stringers	.23	2.0
	196.59			E.O.H.		

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PROPERTY Georgia River DATE August 31, 1988 AZIMUTH 114° LOGGED BY

DRILL HOLE 88-06 DEPTH 304.18 m DIP -72°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	0 - 4.88			Casing, overburden, fractured o/c		
	4.88 - 33.22			Granodiorite, coarse-grained equigranular, minor porphyritic		
				zones (plagioclase + biotite hornblende phenocrysts) well		
				leached and medium - well silicified locally, strong chlorite		
				+ clay alteration, minor 3-5% quartz ± calcite stringers,		
				veinlets, trace - 2% disseminated pyrite ± pyrrhotite, weak		
				limonitic oxide along fracture planes		
44087		4.88 - 5.94	1.06	- Shear zone with 15-20% quartz stockwork, 1-2% disseminated pyrite	.06	1.7
				-Shear zone @ 23.93 - 24.54		
44088		29.50 - 30.33	.83	- Shear zone with 5-7% barren quartz stringers	.02	.5
44089		31.39 - 32.31	.92	- 10-15% quartz stringers (barren)	.04	.2
	33.22 - 177.54			Altered andesite tuff, pale - dark grey-green-brown mottled,		
				foliated 40-45° to C.A., minor porphyritic zones (feldspar		
				phenocrysts), 7-10% quartz + calcite + epidote veinlets +		
				stringers + blebs, well silicified + leached locally,		
				trace - 2% disseminated pyrite + pyrrhotite		

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DRILL HOLE 88-06 DEPTH 304.18 m DIP -72°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
44090		35.05 - 36.27	1.22	- 10-15% quartz stringers, barren, vuggy, terminated quartz	.01	9.6
				veinlets	.18	.6
44091		85.71 - 86.01	.30	- 12 cm quartz vein 50° to C.A., 1-2% disseminated pyrrhotite + pyrite		
				- medium - dark green andesite dyke @ 91.31 - 92.20 contacts 60° to		
				C.A. and 94.18 - 97.23 m		
44092		101.20 - 101.80	.52	- 10-15% quartz stringers, 5-7% epidote + chlorite, trace - 1%	.03	.4
				pyrrhotite		
				- Leached and sheared @ 103.32 - 103.93		
44093		108.72 - 110.03	1.31	- 15-20% quartz + calcite stockwork, 1-2% disseminated pyrite +	.02	1.5
				pyrrhotite		
44094		110.03 - 110.94	.91	- 7-10% quartz + calcite + epidote stringers, 1% disseminated	.10	.3
				pyrite + pyrrhotite		
44095		110.94 - 112.07	1.13	- 7-10% quartz + calcite + epidote stringers, 1% disseminated	.13	.3
				pyrite + pyrrhotite		
44096		112.07 - 113.01	.94	- 35-40% quartz + calcite stockwork, 2-3% disseminated pyrrhotite	.11	.2
				+ pyrite		
44097		113.01 - 113.99	.98	- 10-15% quartz + calcite + epidote stringers, 1-2% disseminated	.32	.5
				pyrite + pyrrhotite		
44098		113.99 - 115.97	1.98	- 15-20% quartz + calcite + epidote stringers/stockwork,	.01	.5

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DRILL HOLE 88-06 DEPTH 304.18 m DIP -72°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
				2-3% disseminated pyrite + pyrrhotite		
44099		117.04 - 117.49	.45	- 10-15% quartz + calcite + epidote stringers, 1-2% disseminated	.10	.2
				pyrite + pyrrhotite		
				- Andesite dyke, medium green unaltered @ 131.41 - 134.72, contact		
				85-90° to C.A.		
				- 50% core recovery @ 149.04 - 156.05 m		
44100		156.05 - 157.12	1.07	- 30-35% quartz stockwork, 2-3% disseminated pyrrhotite	.01	.3
44101		160.38 - 160.93	.55	- Quartz vein, 1-2% disseminated pyrite + pyrrhotite, 20-25%	.78	1.0
				silicified host		
44102		162.60 - 163.00	.40	- 8" quartz vein with 1-2% disseminated pyrite	.03	.2
44103		163.18 - 164.28	1.10	- Quartz vein, 10-15% calcite, 10-15% silicified host, trace - 1%	.09	.4
				pyrrhotite		
	177.54 - 197.20			Porphyritic granodiorite, medium-dark grey, 20-25% 1-25 mm		
				plagioclase phenocrysts, 5-7% biotite + hornblende, 1-3 mm pheno-		
				crysts, trace disseminated pyrite, minor epidote (Skarn?) altered,		
				1-2% 1-3 mm wide quartz + calcite veinlets, foliated 45° to C.A.		
	197.20 - 219.90			Altered andesite tuff, as 33.22 - 177.54, altered by intrusive,		
				granitized		

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DRILL HOLE 88-06 | DEPTH 304.18 m | DIP -72°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	219.90 - 275.98			Siltstone/lithic-crystal tuff, predominantly black - dark brown		
				very fine-grained, layered (70-90° to C.A.) siltstone with		
				minor intercolated lithic crystal tuff (dark brown, weakly		
				porphyritic) 3-5% quartz stringers, 5-7% calcite sweats and		
				veinlets, trace fine-grained disseminated pyrite		
44104		236.09 - 236.48	.39	- 15-20% quartz + calcite stockwork, 2-3% disseminated pyrrhotite	1.90	2.0
44105		246.02 - 246.42	.40	- 15-20% quartz + calcite stockwork, 2-3% disseminated pyrrhotite	.19	4.0
44106		248.19 - 249.47	1.28	- 15-20% quartz + calcite stockwork, 2-3% disseminated pyrrhotite	1.28	4.2
44107		250.38 - 250.84	.46	- 15-20% quartz + calcite stringers, trace fine-grained disseminated	.84	3.7
				pyrite		
44108		260.59 - 261.57	.98	- 20-25% quartz + calcite stockwork, 2-3% disseminated pyrite +	15.65	4.3
				pyrrhotite		
	275.98 - 295.64			Andesite tuff, medium grey-green fine-grained crystal tuff,		
				7-10% 1-2 mm feldspar phenocrysts, weakly altered, foliated		
				25-30° to C.A., 5-7% 1-5 mm wide calcite veinlets + sweats,		
				1-2% 1-3 cm wide barren quartz stringers, trace - 1% disseminated		
				pyrite.		

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DRILL HOLE 88-06 | DEPTH 304.18 m | DIP -72°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	295.64 - 298.78			Porphyritic granodiorite, as 177.54 - 197.20 m		
	298.78 - 304.18			Andesite tuff, as 275.98 - 295.64		
	304.18			E.O.H.		

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PROPERTY Georgia River | DATE October 5, 1988 | AZIMUTH 114° | LOGGED BY

DRILL HOLE 88-07 | DEPTH 141.12 m | DIP -45°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	0 - 2.44 m			Casing; overburden		
	2.44 - 3.96			Alt. andesite tuff; severely leached & granitized, pale grey, sheared,		
				intense clay alter., weak 1-2 cm wide quartz stringers (5-7%),		
				generally barren of mineralization.		
46001		3.05 - 3.96	.91	Well sheared, massive py with 3-5% SL @ 3.35 - 3.51 m, 5-7% 1-2 cm	.20	.40
				qtz stringers.		
	3.96 - 25.60			Granodiorite, well leached, pale grey-green, generally c.g.		
				equigranular with minor porphyritic phases, minor andesite tuff host,		
				1-2 mm 2-3% qtz + cal veinlets, strong clay alt, tr-2% diss PØ + Py		
				Sheared at 17.40 - 17.46 m		
	25.60 - 53.49			Alt andesite tuff; med-dk maroon to pale grey green mottled, silicified		
				& granitized by granodiorite, mod-strong chl + ep alt, minor 1-2%		
				barren qtz ± cal stringers, tr - 1% diss Py + PØ + CP		
46002		33.89 - 35.51	1.62	7-10% qtz stringers with 2-3% SL, 1-2% PØ, 3-5% epidote		

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PROPERTY Georgia River | DATE October 5, 1988 | AZIMUTH 114° | LOGGED BY

DRILL HOLE 88-07 | DEPTH 141.14 m | DIP -45°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
				Granitization is very weak to non-existant beyond 39 m predominately		
				pale-dk green mottled with strong chl alt, foliated 55° to C.A.		
46003		51.30 - 52.03	.73	Semi massive SL, dk maroon 25-30%, 3-5% PØ, 1-2% CP + Py	.07	38.0
46004		52.03 - 53.49	1.46	" " " " " 7-10%, " " " " "	.08	19.2
	53.49 - 58.52			Granodiorite; pale grey, very coarse-grained, weakly-moderately leached,		
				equigranular, tr-1% diss PØ + PY		
	58.52 - 141.12			Alt andesite tuff as 25.60 - 53.49		
46005		70.74 - 71.62	.88	Well leached; silicified with 15-20% qtz stringers 2-3% Py, PØ, SL	.43	1.0
46006		80.01 - 80.31	.30	- 12 cm qtz vein 60° to C.A., 3-5% Py	.51	.2
46007		88.05 - 88.36	.31	- 25-30% qtz stwk, 3-5% ep, 1-2% PØ + Py	.04	.3
				- leached & weakly sheared zone 92.0 - 92.96		
46008		109.7 - 110.94	1.24	- 15-20% qtz stwk, 3-5% Py + PØ, 1-2% SL + GL	2.62	6.7
46009		110.94 - 111.76	.82	- very well leached & silicified alt. andesite tuff	.22	.4
46010		111.76 - 112.01	.25	- qtz vein 55° to C.A., 3-5% SL + GL, 2-3% Py + PØ	35.95	58.8

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PROPERTY Georgia River | DATE October 5, 1988 | AZIMUTH 114° | LOGGED BY

DRILL HOLE 88-07 | DEPTH 141.12 m | DIP -45°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
46011		112.01 - 113.53	1.52	- 35-40% qtz stwk, 1-2% Py + PØ diss	.29	.2
46012		113.53 - 114.01	.55	- 4 cm qtz vein 55° to C.A. with 10-15% GL, 5-7% Py	4.33	8.0
46013		115.03 - 115.79	.76	- qtz vein 50° to C.A. with 5-7% interstitial PØ + Py	54.45	33.0
				3-5% interstitial GL, 2-3% spec. hem.		
46014		115.79 - 116.5	.73	- well leached alt andesite tuff, 3 cm qtz vein - 3-5% PØ diss.	.71	2.4
46015		120.88 - 121.91	1.03	- 35-40% qtz + chl stwk, 1-2% PØ + Py	.02	.4
46016		121.91 - 122.98	1.07	- 20-25% " " " " " "	.01	.2
46017		121.24 - 132.25	1.01	- 20-25% qtz stwk, 3-5% diss PØ + Py, 1-2% SL	.01	.2
46018		132.25 - 133.13	.88	- 10-15% qtz stwk, 1-2% diss PØ + Py	.01	.4
	141.12			E.O.H.		

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PROPERTY Georgia River DATE _____ AZIMUTH 114° LOGGED BY _____

DRILL HOLE 88-08 DEPTH 167.63 m DIP -57°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	0 - 2.44			Casing; overburden		
	2.44 - 39.16			Granodiorite; well alt & leached, well silicified, pale grey-green,		
				c.g. & equigranular with porphyritic phases, intense clay alt, 1-2%		
				1-2 cm qtz ± cal. stringers & veinlets, tr - 1% diss PØ + Py, minor		
				alt andesite tuff host		
				- Sheared at 2.44 - 3.35 and 26.06 - 26.18		
	39.16 - 167.63			Altered andesite tuff; mottled pale grey-green, with dark maroon		
				massive dark green with brown zones, porphyritic, alt plag phen		
				3-10 mm, large silicified plag phen 5-10 mm 5-7%, strong epidote		
				alt ass with silicification, tr-1% diss PØ intensely granitized,		
				foliated 40° to C.A., 2-3% 1-2 cm wide qtz veinlets		
46019		82.44 - 83.82	1.38	- 10-15% qtz stwk, 2-3% patches of SL, 2-3% diss PØ + Py	.01	2.3
				- well leached and weakly sheared zone @ 102.71 - 106.98		
46020		116.12 - 117.10	.98	- well silicified, 7-10% qtz stringers, tr-1% Py + PØ diss	.01	1.0
46021		112.10 - 118.07	.97	- 40-45% qtz stwk, 2-3% epidote, 1-2% Py + PØ diss	.02	.2

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PROPERTY Georgia River | DATE | AZIMUTH 114° | LOGGED BY

DRILL HOLE 88-08 | DEPTH 167.63 m | DIP -57°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
46022		118.07 - 119.17	1.10	- 25-30% qtz stwk, 5-7% epidote, 1-2% Py + PØ diss	.04	.3
46023		119.93 - 120.94	1.01	- 15-20% " " , 3-5% diss Py + PØ	.01	.2
46024		123.35 - 123.62	.27	- 20-25% " " , 1-2% SL, tr-1% PØ, Py	.01	2.1
46025		134.11 - 134.41	.30	- 8 cm qtz vein 40° to C.A., 2-3% PY	1.16	.3
46026		137.15 - 137.85	.70	- 40-45% qtz stwk, 2-3% diss PY, PØ	1.17	.2
46027		137.85 - 138.77	.92	- 7-10% qtz stringers, 1-2% diss PY, PØ	.52	.2
46028		138.77 - 140.11	1.64	- 80-90% qtz vein 35-40° to C.A., 3-5% tet + CP, 2-3% SL,	9.33	14.0
				1-2% PY + PØ , tr - 1% GL + AS		
46029		148.34 - 150.11	1.77	- 80-85% qtz vein with 1-2% PY, 2-3% ep	.01	1.0
				- well leached @ 150.11 - 155.59		
	167.63			E.O.H.		

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PROPERTY Georgia River DATE _____ AZIMUTH 114° LOGGED BY _____

DRILL HOLE 88-09 DEPTH 228.28 m DIP -66°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	0 - 3.96			Casing; overburden		
	3.96 - 30.02			Granodiorite; well altered & leached, well silicified, pale grey-		
				green, c.g. & equigranular with porphyritic phases, intense clay alt.		
				1-2% 1-2 cm qtz ± cal stringers & veinlets, trace - 1% diss PØ + PY,		
				minor alt andesite tuff host		
46030		3.96 - 5.33	1.37	- sheared well with 7-10% qtz stringers, 2-3% diss PY	.01	2.0
				- 4 cm fault gouge @ 21.96 m		
	30.02 - 134.11			Alt andesite tuff; mottled pale grey green with dark maroon, massive		
				dark green with brown phases, porphyritic, alt plag phen 3-10 mm,		
				large silicified 5-7% 5-10 mm pag phen, strong ep alt associated		
				with silification, trace - 1% diss PØ , intensely granitized, foliated		
				50-55° to C.A., 2-3% 1-2 mm wide qtz veinlets		
46031		54.04 - 54.86	.82	- 10-15% qtz + cal stringers, 2-3% SL, 1-2% PØ, + PY	.44	2.2
46032		57.57 - 58.52	.95	- 25-30% qtz + cal stwk, 3-5% ep, 1-2% PØ + PY	.02	.2
46033		63.49 - 64.55	1.06	- 10-15% qtz stringers, 2-3% diss PY	.21	.3
46034		67.81 - 68.91	1.10	- very well silicified, 3-5% diss PY, PØ, 3-5% cal	.01	1.0

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PROPERTY Georgia River DATE _____ AZIMUTH 114° LOGGED BY _____

DRILL HOLE 88-09 DEPTH 228.28 m DIP -66°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
46035		84.43 - 85.13	.70	- 25-30% qtz stwk, 2-3% SL, 1-2% PØ	.01	2.0
46036		93.87 - 94.18	.31	- 25-30% qtz stwk, trace - 1% diss PØ	.01	.3
46037		107.65 - 107.99	.34	- 15-20% qtz stwk, 2-3% diss PY, 102% diss PØ	1.18	.2
46038		112.25 - 113.20	.95	- 10-15% qtz stringers, 1-2% diss PY + PØ	.21	.2
46039		113.20 - 114.60	1.40	- 15-20% qtz stwk, 1-2% diss PY + PØ	.01	.3
				- brecciated @ 128.92 - 133.59, fault gouge @ 128.92 - 129.22,		
				whole section well leached		
				Qtz-felsic dyke, 134.11 - 146.91 m with no significant mineralization,		
				moderately brecciated and well granitized felsic-qtz dyke/brecciated		
				qtz vein, obviously drilled down dip of a barren, brecciated qtz rich vein/		
				dyke trending perpendicular to S.W. vein, 15° contact to C.A. with		
				volcanic host @ 146.91 m		
46040		153.46 - 154.07	.61	- predominately barren qtz vein with 10% ser alt host, no significant	.01	2.0
				mineralization visible		
	146.91 - 164.77			Alt andesite tuff, as 30.02 - 134.11 m		
	164.77 - 175.40			Silicified & granitized, felsic-qtz brecciated dyke/vein with pale		

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PROPERTY Georgia River | DATE | AZIMUTH 114° | LOGGED BY

DRILL HOLE 88-09 | DEPTH 228.28 m | DIP -66°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
				green alteration mineral (mariposite?), very similar section as		
				134.11 - 146.91, contact 15° to C.A. @ 540.6, 25% barren milky		
				white qtz, 50% brecciated, granitized host, 20% felsic flooding,		
				5% mariposite or chlorite alt associated with ser, no significant		
				visible min		
	175.40 - 179.34			Alt andesite tuff, as 30.02 - 134.11		
	179.34 - 228.28			Alt andesite/basalt, black-dark brown with zones of 10-15% alt		
				1-3 mm plag phen, 3-5% barren qtz ± cal stringers & veinlets,		
				trace - 2% diss PY + PØ		
46041		181.53 - 182.87	1.34	- 20-25% qtz stwk, trace - 1% f.g. diss PY + PØ	.02	.2
46042		182.87 - 184.40	1.53	- 15-20% qtz stringers, trace - 1% f.g. diss PY + PØ	2.12	1.6
				- fault @ 184.40 - 184.49		
46043		187.20 - 187.47	.27	- 20 cm qtz vein 40° to C.A., 1-2% PY + PØ	.01	1.0
46044		189.92 - 191.10	1.18	- predominately barren qtz + cal vein with 3-5% ser	.01	2.0
46045		191.10 - 192.26	1.16	- predominately barren 20-25% qtz + cal stwk with 3-5% ser, tr PY	.08	1.4
46046		200.85 - 201.77	.92	- 40-45% barren qtz stwk	.04	2.2
46047		202.37 - 203.23	.86	- 35-40% barren qtz stwk	.01	.3

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PROPERTY Georgia River DATE _____ AZIMUTH 114° LOGGED BY _____

DRILL HOLE 88-09 DEPTH 228.28 m DIP -66°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
46048		204.02 - 205.73	1.71	- 20-25% barren qtz + cal stwk	.03	2.4
46049		205.73 - 206.95	1.22	- 15-20% barren qtz stringers with calcite	.21	2.0
46050		206.95 - 207.50	.55	- barren qtz vein with 10-15% host, trace diss PY	.02	.4
46051		218.44 - 219.17	.73	- qtz vein wtih 50° contact to C.A., 3-5% PY + AS	.02	2.1
46052		219.17 - 220.18	1.01	- 35-40% barren qtz stwk	.01	1.2
46053		220.18 - 221.40	1.22	- 15-20% barren qtz stwk	.01	2.0
46054		221.40 - 222.25	.85	- 15-20% barren qtz stwk	.01	.4
				- mislatch @ 210.00 - 213.04, 60% recovery		
	228.28			E.O.H.		

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PROPERTY Georgia River DATE _____ AZIMUTH 101° LOGGED BY _____

DRILL HOLE 88-10 DEPTH 136.54 m DIP -45°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	0 - 3.05			Casing; overburden		
	3.05 - 22.86			Granodiorite, pale grey-green, very well leached, strong clay-chl		
				alt, generally c.g. and equigranular with porphyritic phases, mod -		
				well silicified, 5-7% qtz stringers + veinlets, trace - 1% diss PØ + PY		
				- sheared @ 3.05 - 3.81 with 20.51 - 20.87 m		
	22.86 - 41.45			Alt andesite tuff; mottled maroon-black-dark green-dark brown with		
				pale grey green-pale blue, intensely alt & deformed yet very well		
				silicified & granitized, minor alt granodiorite dykes, intense ep		
				alt associated with silicification, porphyritic zones are common,		
				trace - 2% diss PY + PØ, foliated 30° to C.A.		
				Alt granodiorite @ 24.23 - 25.60 m		
46055		30.45 - 31.21	.76	- milky white qtz vein with 5-7% black SL	.01	.2
46056		39.38 - 39.96	.58	- well silicified, 3-5% blebs PØ, 1-2% PY, 2-3% SL	.02	.2
				- 1 cm SL + qtz veinlet 80° to C.A. @ 38.16 m		

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PROPERTY Georgia River DATE _____ AZIMUTH 101° LOGGED BY _____

DRILL HOLE 88-10 DEPTH 136.54 m DIP -45°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	41.45 - 48.86			Granodiorite; as 3.05 - 22.86 m		
	48.86 - 88.11			Alt andesite tuff; as 22.86 - 41.45 m		
46057		48.86 - 49.86	1.00	- well silicified, 7-10% PØ, 2-3% PY, 1-2% CP, tr tet + SL	.01	.3
46058		50.66 - 51.60	.94	- 7-10% qtz stringers + 3-5% ep, 3-5% SL, 2-3% PØ + PY	.03	2.2
				- 1 cm PØ, SL + PY veinlet 45-50° to C.A. @ 64.04 m		
46059		81.71 - 82.29	.58	- 25-30% qtz _ cal + ep stwk, 3-5% PY, 1-2% PØ	.01	2.0
46060		87.08 - 88.11	1.03	- 10-15% qtz stringers, 2-3% diss PØ, 1-2% PY	.01	.2
	88.11 - 125.33			Andesite; massive-finely laminated, dark green with med brown		
				5-7% calcite veinlets & sweats ± qtz stringers, & veinlets, tr f.g.		
				diss PØ + PY, weak ep alt		
				- leached to pale grey green & brecciated with barren calcite ±		
				minor qtz @ 96.76 - 101.19 m		
46061		103.93 - 104.82	.89	- 3-5% PY & 3-5% SL, associated with calcite stringers	.59	13.9

E.R. KRUCHKOWSKI CONSULTING LTD.

PROPERTY Georgia River | DATE | AZIMUTH 101° | LOGGED BY
DRILL HOLE 88-10 | DEPTH 136.54 m | DIP -45°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
46062		110.24 - 111.12	.88	- very well leached, 5-7% qtz stringers, 2-3% diss PY	1.75	4.2
46063		111.12 - 112.01	.89	- Qtz vein contacts 35° to C.A., 3-5% AS, 2-3% SL, 2-3% PY	18.75	12.3
46064		113.08 - 113.44	.36	- well silicified & 3-5% AS seam	.20	1.8
46065		120.76 - 121.79	1.03	- 5-7% layers 1-4 cm thick of SL + PY	.75	8.2
46066		121.79 - 122.74	.95	- 5-7% layers 1-4 cm thick of SL + PY associated with calcite	.67	11.5
46067		122.74 - 124.44	1.70	- 20-25% barren qtz + cal stringers	.01	1.7
46068		124.69 - 125.33	.64	- 20-25% qtz stwk, 3-5% diss PY, 1-2% PO	.02	2.1
	125.33 - 136.54			Alt andesite tuff, (xtl tuff), med-dark grey-blue with 1-15 mm		
				epidotized plag phen, well silicified, 7-10% barren qtz ± cal veinlets		
				& stringers, trace - 1% diss PØ + PY		
	136.54			E.O.H.		

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PROPERTY Georgia River DATE October 10, 1988 AZIMUTH 101° LOGGED BY

DRILL HOLE 88-11 DEPTH 167.33 m DIP -57°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	0 - 3.05			Casing; overburden		
	3.05 - 26.82			Granodiorite; intensely deformed @ 10-15, generally very well		
				leached, pale grey green, equigranular, c.g. with porphyritic		
				phases, strong clay alt, 3-5% barren qtz veinlets + stringers,		
				locally well silicified, trace - 1% diss f.g. PY + PØ, minor		
				granitized host		
				- fault @ 26.64 - 26.70 m		
	26.82 - 47.97			Alt andesite tuff; mottled dark green-black-brown with pale grey-		
				green, laminated 30° to C.A., locally well granitized & well silicified		
				with ep alt, 3-5% qtz ± cal veinlets + stringers, trace - 1% diss PY + PØ		
				- very well leached, granitized & silicified @ 36.57 - 43.28		
46069		39.32 - 39.62	.30	- qtz vein with 2-3% SL + PY	.01	.2
	47.97 - 49.74			Granodiorite; as 3.05 - 26.82 m		
	49.74 - 96.16			Alt andesite tuff; as 26.82 - 47.97 m		

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PROPERTY Georgia River DATE October 10, 1988 AZIMUTH 101° LOGGED BY

DRILL HOLE 88-11 DEPTH 167.33 m DIP -57°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
46070		56.99 - 57.33	.34	20 cm qtz vein 45° to C.A., 3-5% PY + SL	.01	1.9
46071		61.57 - 61.96	.39	- calcite vein 45-50° to C.A. with 3-5% PY diss	.05	2.0
46072		62.94 - 63.79	.85	- 20-25% qtz + cal stwk, 3-5% PY + SL	.37	1.8
46073		64.40 - 65.01	.61	- 7-10% qtz stringers, 3-5% PY + SL	.01	.3
46074		65.59 - 66.23	.64	- 7-10% SL + 3-5% PY associated with calcite sweats	1.51	3.8
	96.16 - 142.79			Andesite; massive-finely laminated dark green-brown-black, 5-7%		
				calcite veinlets & sweats, 3-5% qtz veinelts + stringers, trace - 1%		
				diss f.g. PY + PØ, very weak ep alt, minor porphyritic zone		
46075		106.10 - 106.98	.88	- 5-7% SL + 5-7% PY with trace - 1% CP associated with calcite sweats	.87	16.4
				and diss in andesitic host		
				-brecciated & leached @ 117.34 - 119.48 m		
46076		131.88 - 132.95	1.07	- 15-20% qtz stringers, 1-2% f.g. diss PY + PØ	.01	.2
46077		135.72 - 136.08	.36	- 20-25% qtz stwk, predominately barren	.34	.3
				- well leached @ 136.08 - 141.88 m		

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PROPERTY Georgia River DATE October 10, 1988 AZIMUTH 101° LOGGED BY

DRILL HOLE 88-11 DEPTH 167.33 m DIP -57°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
46078		137.76 - 138.43	.67	- 65-70% qtz stwk, 7-10% interstitial PY, 3-5% GL, 1-2% SL	78.40	76.5
46079		141.88 - 142.79	.91	- 45-50% qtz stwk, 1-2% diss PY, 10-15% chlorite + ep	.16	.4
	142.79 - 167.33			Alt andesite/basalt; (crystal tuff) porphyritic & amygdaloidal		
				dark greey-blue-black with 15-20% 1-20 mm wide feld + alt feld		
				(silicified + epidotized) phen + amygdyles, 3-5% qtz + cal veinlets		
				+ stringers, trace - 2% diss PY + PØ		
	167.33			E.O.H.		

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PROPERTY Georgia River DATE _____ AZIMUTH 101° LOGGED BY _____

DRILL HOLE 88-12 DEPTH 224.93 m DIP -66°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	0 - 3.05			Casing; overburden		
	3.05 - 28.50			Alt granodiorite; sheared with 5-10% barren qtz stringers @		
				3.05 - 4.57, generally well leached, pale grey-green, equigranular,		
				c.g. with porphyritic phases, strong clay alt, 3-5% barren qtz		
				veinlets + stringers, locally well silicified, trace - 1% diss		
				f.g. PY + PØ, minor granitized host, fault @ 26.64 - 26.70 m		
	28.50 - 124.44			Alt andesite tuff; mottled dark green, black, brown, with pale		
				grey-green, laminated 30° to C.A., locally well granitized & well		
				silicified with ep alt, 3-5% qtz ± cal veinlets + stringers,		
				trace - 1% diss PY + PØ		
46080		48.92 - 49.22	.30	- well silicified with 15-20% qtz stwk, 2-3% ep, 1-2% PY + PØ	.01	.3
46081		66.60 - 67.45	.85	- 25-30% qtz stwk, 1-2% diss PY + PØ	.01	.8
46082		67.45 - 68.42	.97	- 10-15% qtz stringers, 7-10% c.g. semi-massive PY, 3-5% SL	5.41	10.7
46083		70.86 - 71.32	.46	- well silicified, 15-20% qtz stringers, 1-2% diss PY	.01	.4
46084		104.39 - 105.70	1.31	- milky white qtz vein with 7-10% chl, 2-3% PØ blebs, 1-2% diss PY	.37	.2
46085		105.70 - 106.64	.94	- 15-20% qtz stringers, 2-3% diss PY + PO	.06	.6
46086		106.64 - 107.44	.80	- 20-25% qtz stwk, 5-7% ep, 3-5% diss PY + PØ	.69	3.5

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PROPERTY Georgia River DATE _____ AZIMUTH 101° LOGGED BY _____

DRILL HOLE 88-12 DEPTH 224.93 m DIP -66°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	124.44 - 154.37			Crystal tuff; porphyritic, dark green-dark steel blue grey-black,		
				15-20% 1-25 mm feld phen in andesitic matrix, moderate - well		
				granitized, 2-3% qtz veinlets + stringers, trace - 2% diss PY + PØ,		
				minor leached zones, moderate ep alt with silicified feld phen		
				- fault @ 146.69 m 30° to C.A.		
				- well leached @ 146.60 - 149.28 m		
	154.37 - 160.01			Andesite; massive-finely laminated, medium-dark green wtih brown-maroon,		
				weakly alt		
	160.01 - 161.23			- Porphyritic dyke; dark brown-black andesitic matrix, 15-20% silicified		
				feld phen 1-5 mm dia, 2-3% barren qtz veinlets		
	161.23 - 166.11			Andesite; as 154.37 - 160.01 m; grades into a crystal tuff as		
				124.44 - 154.37 @ 166.11 - 166.41 m		
	166.11 - 173.18			Crystal tuff; as 124.44 - 154.37 m appears to be an intrusive,		
				lower contact with andesite		
46087		171.75 - 172.23	.48	- qtz vein, 45° contact to C.A., 10-15% interstitial PØ,	16.00	50.2

E.R. KRUCHKOWSKI CONSULTING LTD.

PROPERTY Georgia River DATE _____ AZIMUTH 101° LOGGED BY _____

DRILL HOLE 88-12 DEPTH 224.93 m DIP -66°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
				3-5% diss blebs SL + GL		
	173.18 - 175.86			Andesite; as 154.37 - 160.01		
	175.86 - 177.23			Crystal tuff; shallow intrusive?, as 124.44 - 154.37 with minor		
				andesite /basalt		
	177.23 - 188.97			Basalt; massive finely laminated, (siltstone appearance) dark		
				brown-black, 3-5% cal + qtz veinlets + sweats, trace - 1% diss f.g.		
				PY + PØ		
	188.97 - 196.77			Crystal tuff; porphyritic, shallow intrusive? as 124.44 - 154.37 m		
46088		188.97 - 189.27	.30	- qtz vein 25° to C.A., 2-3% diss PY ± PØ, 1-2% diss blebs SL,	14.60	9.8
				trace visible gold		
	196.77 - 224.93			Basalt; as 177.23 - 188.97 m		
46089		201.43 - 202.35	.92	- 45% qtz stwk in shear zone with 3-5% diss PY, 1-2% diss SL + GL	2.09	5.3
46090		202.35 - 203.14	.79	- shear zone with 3-5% qtz stringers, 1-2% diss PY	.55	2.4

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PROPERTY Georgia River DATE _____ AZIMUTH 101° LOGGED BY _____

DRILL HOLE 88-12 DEPTH 224.93 m DIP -66°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	224.93			E.O.H.		

E.R. KRUCHKOWSKI CONSULTING LTD.

PROPERTY Georgia River DATE _____ AZIMUTH 270° LOGGED BY _____

DRILL HOLE 88-13 DEPTH 133.50 m DIP -45°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	0 - 2.44			Casing; overburden		
	2.44 - 33.28			Andesite/basalt; massive-finely laminated dark grey-green-black-dark		
				brown, 2-3% qtz ± cal veinlets, minor leached zones, minor porphyritic		
				(plag phen) phases, trace - 1% f.g. diss PY ± PØ		
46091		33.01 - 33.28	.27	- barren qtz + cal vein	.02	1.8
	33.28 - 76.77			Alt andesite/basalt tuff; (crystal tuff), well foliated parallel to		
				C.A., medium-dark grey-brown, speckled, 2-3% qtz cal veinlets		
				trace - 1% f.g. diss PY, 3-5% cal sweats, f.g. - m.g. volcanic		
				extrusive or shallow intrusive, weakly porphyritic 5-7% 1-10 mm		
				feld phen		
46092		68.85 - 69.49	.64	- 25-30% cal + qtz barren stwk, trace - 1% PØ	.01	1.7
46093		69.49 - 70.56	1.71	- 45-50% qtz + cal stwk with 1-2% diss PY + PØ	.01	1.3
46094		75.43 - 75.77	.34	- qtz vein wtih 2-3% diss PY + PØ	.90	2.4
	75.77 - 83.51			Andesite/basalt, as 2.44 - 33.28 m		

E.R. KRUCHKOWSKI CONSULTING LTD.

PROPERTY Georgia River | DATE _____ | AZIMUTH 270° | LOGGED BY _____

DRILL HOLE 88-13 | DEPTH 133.50 m | DIP -45°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	83.51 - 96.31			Silicified zone; 60% brecciated qtz stwk, 10-20° to C.A., with 35%		
				leached ser alt host, pale green, 2-3% diss PY + PØ with trace - 1%		
				mariposite		
				- wavey laminated texture		
46095		83.51 - 84.73	1.22	- 3-5% PY + PØ	.05	3.7
46096		84.73 - 86.25	1.52	- 3-5% PY + PØ	.12	2.1
46097		86.25 - 87.78	1.53	- 3-5% PY + PØ	.02	2.6
46098		87.78 - 89.30	1.52	- 3-5% PY + PØ, 1% AS	.04	1.8
46099		89.30 - 90.83	1.53	- 3-5% PY + PØ	.05	2.3
46100		90.83 - 92.35	1.52	- 3-5% PY + PØ	.10	1.7
46101		92.35 - 93.87	1.52	- 3-5% PY + PØ	.02	.8
46102		93.87 - 94.79	.92	- 7-10% PY + PØ	.01	1.9
46103		94.79 - 96.31	1.52	- 3-5% diss PY + PØ	.01	2.7
	96.31 - 133.50			Andesite/basalt with 5-7% cal veinlets + sweats as 2.44 - 33.28 m		
46104		97.34 - 99.21	1.87	- well silicified, wormy texture of qtz brecciation, 3-5% PY + PØ	.01	.6
				5-10% cal		
46105		115.88 - 116.55	.67	- 20-25% qtz stwk, trace - 1% diss PØ	2.00	2.4

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PROPERTY Georgia River | DATE | AZIMUTH 270° | LOGGED BY
DRILL HOLE 88-13 | DEPTH 133.50 m | DIP -45°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
46106		120.61 - 121.24	.63	- qtz vein, barren with 20-25% host, trace - 1% PY + PØ	1.95	4.3
	133.50			E.O.H.		

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PROPERTY Georgia River | DATE | AZIMUTH 270° | LOGGED BY
DRILL HOLE 88-14 | DEPTH 163.97 m | DIP -52°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	0 - 2.44			Casing; overburden		
	2.44 - 72.84			Andesite/basalt; massive-finely laminated dark grey-green, black-		
				dark brown, 2-3% qtz ± cal veinlets, minor leached zones, minor		
				Porphyritic (plag phen) phases, trace - 1% f.g. diss PY ± PØ		
46107		64.31 - 64.61	.30	- 8 cm qtz + cal stringer 15° to C.A., 2-3% diss PØ + PY	.12	3.2
	72.84 - 82.60			Alt andesite/basalt tuff; (crystal tuff), well foliated parallel -		
				10° to C.A., medium - dark grey-brown, speckled, 2-3% qtz + cal		
				veinlets, trace - 1% f.g. diss PY, 3-5% cal sweats, f.g. - m.g.		
				volcanic extrusive or shallow intrusive, weakly porphyritic		
				5-7% 1-10 mm feld phen		
	82.60 - 101.83			Andesite/basalt, as 2.44 - 72.84 m		
46108		91.34 - 91.62	.28	- qtz vein 20° to C.A. with 2-3% diss PY + PØ	1.02	10.5
46109		97.53 - 97.68	.15	- qtz + cal vein with 1-2% diss PY + PØ	.01	1.0
46110		99.06 - 100.24	1.18	- 35-40% cal + qtz stwk with 1-2% diss PY + PØ	.01	2.1
46111		101.22 - 101.83	.61	- 40-45% cal + qtz stwk with trace - 1% diss PY + PØ	.02	1.8

E.R. KRUCHKOWSKI CONSULTING LTD.

PROPERTY Georgia River DATE _____ AZIMUTH 270° LOGGED BY _____

DRILL HOLE 88-14 DEPTH 163.97 m DIP -52°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	101.83 - 136.09			Alt andesite/basalt tuff, crystal tuff; (shallow alt intrusive?)		
				as alt andesite tuff encountered in holes 88-01 to 88-12 but		
				lacking ep alt; porphyritic as 72.84 - 82.60 m		
46112		103.84 - 104.85	1.01	- 20-25% qtz + cal stwk, trace PY + PØ	.01	.5
				- leached pale grey-brown @ 119.78 - 121.46 m		
	136.09 - 145.93			Basalt; black, massive-finely laminated, 7-10% cal veinlets +		
				stringers, trace - 1% diss PY + PØ		
46113		136.09 - 136.76	.67	- qtz + cal vein 45° to C.A., 1-2% diss PØ + PY	.01	1.7
46114		144.16 - 144.86	.70	-37 cm qtz vein 55° to C.A., trace - 1% diss PY + PØ + GL	3.78	3.9
	145.93 - 156.66			Alt andesite tuff, crystal tuff; maroon, porphyritic, 25-30%		
				1-5 mm feld phen		
46115		148.16 - 149.01	.85	- 15-20% qtz stringers with 5-7% PØ + SL	.99	10.6
46116		151.51 - 152.39	.88	- 20-25% qtz stwk, with 1-2% diss PØ	.04	.4
46117		152.39 - 153.31	.93	- qtz + cal vein 45° to C.A., trace PØ, 2-3% chl	.01	3.5

E.R. KRUCHKOWSKI CONSULTING LTD.

PROPERTY Georgia River DATE _____ AZIMUTH 270° LOGGED BY _____

DRILL HOLE 88-14 DEPTH 163.97 m DIP -52°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
46118		154.07 - 154.68	.61	- 30-35% qtz stwk, trace PØ	.01	.2
46119		154.68 - 155.56	.88	- qtz + cal vein, trace - 1% diss PØ	.01	.3
46120		155.56 - 156.32	.76	- 30-35% qtz + cal stwk, brecciated, trace - 1% diss PØ	.02	.4
	146.66 - 163.97			Andesite/basalt tuff; dark brown-black, 3-5% cal veinlets + sweats,		
				massive - finely laminated, f.g.		
46121		157.23 - 158.18	.95	- 35-40% cal + qtz stwk, trace PØ + PY	.01	.4
	163.97			E.O.H.		

E.R. KRUCHKOWSKI CONSULTING LTD.

PROPERTY Georgia River DATE _____ AZIMUTH 250° LOGGED BY _____

DRILL HOLE 88-15 DEPTH 138.98 m DIP -45°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
	0 - 2.44			Casing; overburden		
	2.44 - 23.32			Andesite/basalt tuff; dark grey-black with weak calcite speckles		
				(calcite sweats), 3-5% cal ± qtz veinlets, massive - finely laminated		
				with inter-layered calcite sweats, lamination is 20-35° to C.A.		
	23.32 - 45.32			Porphyritic andesite tuff, crystal tuff; 7-10% 1-5 mm feld phen,		
				maroon-dark grey 3-5% cal ± qtz veinlets		
46122		32.22 - 32.92	.70	- qtz + cal vein, 1-2% diss PØ + PY	.01	.2
46123		34.50 - 35.36	.86	- 35-40% qtz + cal stwk, 1-2% diss PY + PØ, 3-5% chl	.01	.5
46124		37.18 - 38.10	.92	- 10-15% cal + qtz stringers, 1-2% diss PY + PØ	.01	.6
46125		38.10 - 38.56	.46	- 30-35% qtz + cal stwk, 3-5% chl, trace - 1% PØ + PY	.01	.2
	45.32 - 48.16			Andesite/basalt tuff; laminated with 5-7% 1-2 mm thick layered		
				calcite sweats, as 2.44 - 23.32 m		
	48.16 - 52.27			Silicified zone; wavey, laminated 40° to C.A., 65-70% qtz with		
				ser alt host, 1% mariposite, 15-20% qtz stringers 2-3% diss PY + PØ		

E.R. KRUCHKOWSKI CONSULTING LTD.

PROPERTY Georgia River | DATE | AZIMUTH 250° | LOGGED BY

DRILL HOLE 88-15 | DEPTH 138.98 m | DIP -45°

SAMPLE NUMBER	GEOLOGICAL INTERVAL	SAMPLE INTERVAL	WIDTH	DESCRIPTION	ASSAYS Au g/tonne	ASSAYS Ag g/tonne
46126		48.16 - 49.07	.91	- 3-5% diss PY + PØ	.02	2.1
46127		49.07 - 49.74	.67	- 3-5% diss PY + PØ	.01	2.0
46128		49.74 - 50.66	.92	- 2-3% diss PY + PØ	.01	.6
46129		50.66 - 51.51	.85	- 2-3% diss PY + PØ	.01	2.3
46130		51.51 - 52.27	.76	- 3-5% diss PY + PØ	.01	3.8
	42.27 - 138.98			Andesite/basalt tuff; as 45.32 - 48.16 m		
46131		67.05 - 68.12	1.07	- 20-25% qtz stwk, trace - 1% diss SL + PY	.01	.2
46132		68.12 - 69.19	1.07	- 15-20% qtz stwk, trace PY, 2-3% chl	.01	.7
				- well leached @ 71.01 - 77.11 m		
46133		77.54 - 78.18	.64	- 20-25% qtz + cal stwk, 1-2% diss PY	.01	.4
46134		78.18 - 79.24	1.06	- 45-50% qtz + cal stwk, trace - 1% diss PY + PØ	.01	2.0
46135		88.48 - 89.24	.76	- cal + qtz vein, 15% host, trace - 1% diss PY + PØ	.01	1.8
				5-8 cm barren qtz + cal stringers @ 100.88, 101.80 and 103.63 m		
				- 10-15% cal sweats along lamination @ 100.58 - 138.98		
	138.98			E.O.H.		

APPENDIX 2

1988 Diamond Drill and

Trenching Assays

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of ASSAY

Company:ED KRUCHKOWSKI
Project:
Attention:ED KRUCHKOWSKI

File:81-115/P1
Date:SEPT.3/88
Type:ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
44 001	1.6	0.05	.03	0.001
44 002	1.1	0.03	.37	0.011
44 003	1.2	0.04	.01	0.001
44 004	0.9	0.03	.01	0.001
44 005	1.0	0.03	.04	0.001
44 006	1.0	0.03	.18	0.005
44 007	0.7	0.02	.07	0.002
44 008	1.4	0.04	.43	0.013
44 009	1.7	0.05	.15	0.004
44 010	1.8	0.05	.01	0.001
44 011	13.9	0.41	.84	0.025
44 012	171.0	4.99	178.35	5.202
44 013	24.3	0.71	8.05	0.235
44 014	2.1	0.06	1.37	0.040
44 015	1.2	0.04	.20	0.006
44 016	1.0	0.03	.18	0.005
44 017	1.1	0.03	.80	0.023
44 018	1.9	0.06	.35	0.010
44 019	2.2	0.06	.09	0.003
44 020	4.1	0.12	.48	0.014
44 021	1.8	0.05	.51	0.015
44 022	12.3	0.36	66.00	1.925
44 023	2.0	0.06	.23	0.007
44 024	2.4	0.07	.40	0.012
44 025	0.9	0.03	.01	0.001
44 026	1.7	0.05	.01	0.001
44 027	5.8	0.17	.89	0.026
44 028	1.7	0.05	3.99	0.116
44 029	1.1	0.03	.01	0.001
44 030	1.2	0.04	1.20	0.035

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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of Assay

Company: ED KRUCHKOWSKI
Project:
Attention: ED KRUCHKOWSKI

File: 81-115/P2
Date: SEPT. 3/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
44 031	1.0	0.03	.02	0.001
44 032	1.1	0.03	.01	0.001
44 033	0.9	0.03	.01	0.001
44 034	1.9	0.06	.57	0.017
44 035	1.6	0.05	.01	0.001
44 036	1.4	0.04	.15	0.004
44 037	2.7	0.08	.18	0.005
44 038	1.9	0.06	.29	0.008
44 039	1.8	0.05	.04	0.001
44 040	2.0	0.06	.08	0.002
44 041	1.9	0.06	.01	0.001
44 042	1.0	0.03	.09	0.003
44 043	0.8	0.02	.21	0.006
44 044	1.8	0.05	.38	0.011
44 045	3.7	0.11	7.85	0.229
44 046	17.6	0.51	12.50	0.365
44 047	2.4	0.07	1.46	0.043
44 048	12.2	0.36	1.55	0.045
44 049	1.8	0.05	.34	0.010
44 050	0.6	0.02	.02	0.001
44 051	0.9	0.03	.01	0.001
44 052	1.4	0.04	.04	0.001
44 053	1.2	0.04	.01	0.001
44 054	0.8	0.02	.01	0.001
GR BULK 1	73.8	2.15	40.20	1.173
GR BULK 2	253.0	7.38	112.00	3.267
GR BULK 3	289.0	8.43	148.25	4.324
GR BULK 4	30.2	0.88	36.90	1.076
GR BULK 5	23.8	0.69	22.25	0.649
CR T1	31.7	0.92	23.30	0.680

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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of ASSAY

Company: ED KRACHKOWSKI CONSULTING LTD.
Project:
Attention: ED KRACHOWSKI

File: 81-115/P3
Date: SEPT 3/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
CR T2	19.6	0.57	4.78	0.139
CR T3	3.7	0.11	.44	0.013
CR T4	357.0	10.41	151.75	4.426
CR T5	29.4	0.86	3.09	0.090

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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of ASSAY

Company: ED KRUCHKOWSKI CONSULTING LTD.
Project:
Attention: ED KRUCHKOWSKI

File: 81-124/P1
Date: SEPT 10/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
440 55	2.0	0.06	.52	0.015
440 56	1.0	0.03	.08	0.002
440 57	.2	0.01	.10	0.003
440 58	.4	0.01	.07	0.002
440 59	.2	0.01	.12	0.004
440 60	2.2	0.06	.47	0.014
440 61	16.5	0.48	1.67	0.049
440 62	.6	0.02	.04	0.001
440 63	.2	0.01	.33	0.010
440 64	.2	0.01	.17	0.005
440 65	.2	0.01	.05	0.001
440 66	8.0	0.23	.18	0.005
440 67	.5	0.01	.63	0.018
440 68	.2	0.01	.06	0.002
440 69	1.5	0.04	.01	0.001
440 70	.2	0.01	.18	0.005
440 71	.6	0.02	.01	0.001
440 72	.2	0.01	.01	0.001
440 73	.5	0.01	.02	0.001
440 74	.4	0.01	.06	0.002
440 75	2.2	0.06	.01	0.001
440 76	1.0	0.03	.03	0.001
440 77	.4	0.01	.07	0.002
440 78	2.0	0.06	.01	0.001
440 79	2.1	0.06	.28	0.008
440 80	.8	0.02	.32	0.009
440 81	.7	0.02	.51	0.015
440 82	.5	0.01	.53	0.015
440 83	2.0	0.06	.85	0.025
440 84	.5	0.01	.53	0.015

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Certificate of ASSAY

Company: ED KRUCHKOWSKI CONSULTING LTD.
Project:
Attention: ED KRUCHKOWSKI

File: 81-124/P2
Date: SEPT 10/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
440 85	1.6	0.05	.28	0.008
440 86	2.0	0.06	.23	0.007
440 87	1.7	0.05	.06	0.002
440 88	.5	0.01	.02	0.001
440 89	.2	0.01	.04	0.001
440 90	9.6	0.28	.01	0.001
440 91	.6	0.02	.18	0.005
440 92	.4	0.01	.03	0.001
440 93	1.5	0.04	.02	0.001
440 94	.3	0.01	.10	0.003
440 95	.3	0.01	.13	0.004
440 96	.2	0.01	.11	0.003
440 97	.5	0.01	.32	0.009
440 98	.5	0.01	.01	0.001
440 99	.2	0.01	.10	0.003
441 00	.3	0.01	.01	0.001
441 01	1.0	0.03	.78	0.023
441 02	.2	0.01	.03	0.001
441 03	.4	0.01	.09	0.003
441 04	2.0	0.06	1.90	0.055
441 05	4.0	0.12	.19	0.006
441 06	4.2	0.12	1.28	0.037
441 07	3.7	0.11	.84	0.025
441 08	4.3	0.13	15.65	0.456

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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of ASSAY

Company: E.R.KRUCHKOWSKI CONSULTING
roject:
ttention: E.R.KRUCHKOWSKI

File: 81-174/P1
Date: NOV 3/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample umber	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
46 001	4.0	0.12	.20	0.006
6 002	.2	0.01	.01	0.001
6 003	38.0	1.11	.07	0.002
46 004	19.2	0.56	.08	0.002
6 005	1.0	0.03	.43	0.013
6 006	.2	0.01	.51	0.015
46 007	.3	0.01	.04	0.001
6 008	6.7	0.20	2.62	0.076
6 009	.4	0.01	.22	0.006
46 010	58.8	1.72	35.95	1.049
6 011	.2	0.01	.29	0.008
46 012	8.0	0.23	4.33	0.126
46 013	33.0	0.96	54.45	1.588
6 014	2.4	0.07	.71	0.021
6 015	.4	0.01	.02	0.001
6 016	.2	0.01	.01	0.001
6 017	.2	0.01	.01	0.001
46 018	.4	0.01	.01	0.001
6 019	2.3	0.07	.01	0.001
6 020	1.0	0.03	.01	0.001
46 021	.2	0.01	.02	0.001
6 022	.3	0.01	.04	0.001
6 023	.2	0.01	.01	0.001
46 024	2.1	0.06	.01	0.001
6 025	.3	0.01	1.16	0.034
46 026	.2	0.01	1.17	0.034
46 027	.2	0.01	.52	0.015
6 028	14.0	0.41	9.33	0.272
6 029	1.0	0.03	.01	0.001
46 030	2.0	0.06	.01	0.001

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TIMMINS OFFICE:
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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of ASSAY

Company: E.R.KRUCHKOWSKI CONSULTING
Project:
Attention: E.R.KRUCHKOWSKI

File: 81-174/P2
Date: NOV 3/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
46 031	2.2	0.06	.44	0.013
46 032	.2	0.01	.02	0.001
46 033	.3	0.01	.21	0.006
46 034	1.0	0.03	.01	0.001
46 035	2.0	0.06	.01	0.001
46 036	.3	0.01	.01	0.001
46 037	.2	0.01	1.18	0.034
46 038	.2	0.01	.21	0.006
46 039	.3	0.01	.01	0.001
46 040	2.1	0.06	.01	0.001
46 041	.2	0.01	.02	0.001
46 042	1.6	0.05	2.12	0.062
46 043	1.0	0.03	.01	0.001
46 044	2.0	0.06	.01	0.001
46 045	1.4	0.04	.08	0.002
46 046	2.2	0.06	.04	0.001
46 047	.3	0.01	.01	0.001
46 048	2.4	0.07	.03	0.001
46 049	2.0	0.06	.21	0.006
46 050	.4	0.01	.02	0.001
46 051	2.1	0.06	.02	0.001
46 052	1.2	0.04	.01	0.001
46 053	2.0	0.06	.01	0.001
46 054	.4	0.01	.01	0.001
46 055	.2	0.01	.01	0.001
46 056	.2	0.01	.02	0.001
46 057	.3	0.01	.01	0.001
46 058	2.2	0.06	.03	0.001
46 059	2.0	0.06	.01	0.001
46 060	.2	0.01	.01	0.001

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TELEPHONE: (705) 264-9996

Certificate of ASSAY

Company: E.R.KRUCHKOWSKI CONSULTING
Project:
Attention: E.R.KRUCHKOWSKI

File: 81-174/P3
Date: NOV 3/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
46 061	13.9	0.41	.59	0.017
46 062	4.2	0.12	1.75	0.051
46 063	12.3	0.36	18.75	0.547
46 064	1.8	0.05	.20	0.006
46 065	8.2	0.24	.75	0.022
46 066	11.5	0.34	.67	0.020
46 067	1.7	0.05	.01	0.001
46 068	2.1	0.06	.02	0.001
46 069	.2	0.01	.01	0.001
46 070	1.9	0.06	.01	0.001
46 071	2.0	0.06	.05	0.001
46 072	1.8	0.05	.37	0.011
46 073	.3	0.01	.01	0.001
46 074	3.8	0.11	1.51	0.044
46 075	16.4	0.48	.87	0.025
46 076	.2	0.01	.01	0.001
46 077	.3	0.01	.34	0.010
46 078	76.5	2.23	78.40	2.287
46 079	.4	0.01	.16	0.005
46 080	.3	0.01	.01	0.001
46 081	.8	0.02	.01	0.001
46 082	10.7	0.31	5.41	0.158
46 083	.4	0.01	.01	0.001
46 084	.2	0.01	.37	0.011
46 085	.6	0.02	.06	0.002
46 086	3.5	0.10	.69	0.020
46 087	50.2	1.46	16.00	0.467
46 088	9.8	0.29	14.60	0.426
46 089	5.3	0.15	2.09	0.061
46 090	2.4	0.07	.55	0.016

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TIMMINS OFFICE:
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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of Assay

Company: E.R.KRUCHKOWSKI CONSULTING
Project:
Attention: E.R.KRUCHKOWSKI

File: 81-174/P4
Date: NOV 3/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
46 091	1.8	0.05	.02	0.001
46 092	1.7	0.05	.01	0.001
46 093	1.3	0.04	.01	0.001
46 094	2.4	0.07	.90	0.026
46 095	3.7	0.11	.05	0.001
46 096	2.1	0.06	.12	0.004
46 097	2.6	0.08	.02	0.001
46 098	1.8	0.05	.04	0.001
46 099	2.3	0.07	.05	0.001
46 100	1.7	0.05	.10	0.003
46 101	.8	0.02	.02	0.001
46 102	1.9	0.06	.01	0.001
46 103	2.7	0.08	.01	0.001
46 104	.6	0.02	.01	0.001
46 105	2.4	0.07	2.00	0.058
46 106	4.3	0.13	1.95	0.057
46 107	3.2	0.09	.12	0.004
46 108	10.5	0.31	1.02	0.030
46 109	1.0	0.03	.01	0.001
46 110	2.1	0.06	.01	0.001
46 111	1.8	0.05	.02	0.001
46 112	.5	0.01	.01	0.001
46 113	1.7	0.05	.01	0.001
46 114	3.9	0.11	3.78	0.110
46 115	10.6	0.31	.99	0.029
46 116	.4	0.01	.04	0.001
46 117	3.5	0.10	.01	0.001
46 118	.2	0.01	.01	0.001
46 119	.3	0.01	.01	0.001
46 120	.4	0.01	.02	0.001

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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of ASSAY

Company: E. KRACHKOWSKI
Project:
Attention: E. KRACHKOWSKI

File: 81-174/P5
Date: NOV. 3/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
96 121	0.4	0.01	.01	0.001
96 122	0.2	0.01	.01	0.001
96 123	0.5	0.01	.01	0.001
96 124	0.6	0.02	.01	0.001
96 125	0.2	0.01	.01	0.001
96 126	2.1	0.06	.02	0.001
96 127	2.0	0.06	.01	0.001
96 128	0.6	0.02	.01	0.001
96 129	2.3	0.07	.01	0.001
96 130	3.8	0.11	.01	0.001
96 131	0.2	0.01	.01	0.001
96 132	0.7	0.02	.01	0.001
96 133	0.4	0.01	.01	0.001
96 134	2.0	0.06	.01	0.001
96 135	1.8	0.05	.01	0.001

Certified by _____

MIN-EN LABORATORIES LTD.

APPENDIX 3

Assay Data For

Previous Ore Grade Calculations

ORE RESERVES BASED ON DRILLING
AND TRENCHING ALONG THE SOUTHWEST VEIN

TABLE I

BLOCK NO.	INFLUENCE (DDH, Trench)	INTERSECTION ASSAY ozAu/ton	ozAg/ton	width(m)	TRUE WIDTH (meters)	MINING WIDTH (meters)	INDICATED ORE RESERVES Tons	ozAu	ozAg	INFERRED ORE RESERVES Tons	ozAu	ozAg
	T 4	0.336	0.35	1.85	1.85	1.85	237.0	79.61	79.61			
										190.0	63.85	66.50
7	GM-13	0.438	0.54	0.35	.29	1.22	106.9	11.12	13.72			
										75.1	7.81	9.61
8	GM-14	3.31	6.23	0.31	.19	1.22	601.6	309.80	583.70			
										313.3	161.34	303.90
										29.5	15.21	28.62
9	GM-15	0.898	1.07	2.97	1.07	1.22	909.1	716.35	853.14			
										454.2	357.92	426.04
										595.1	469.00	558.20
										181.7	143.17	170.43
	T 1,7,17	0.82	0.91	.34	.34	1.22	319.4	73.14	79.85			
										11.2	2.57	2.80
5,6	GM-10	0.659	0.35	0.61	.4	1.22	591.9	126.08	71.03			
										141.6	30.15	1.42
10	GM-11	0.088	0.10	0.69	.4	1.22	498.5	14.46	14.96			
										153.1	4.44	4.59
										235.0	6.81	7.05
14	GM-12	1.365	1.10	1.67	.65	1.22	971.3	706.14	573.07			
										501.4	364.52	295.83
										485.6	353.04	286.50
	T 14,15	5.148	6.46	.17	.17	1.22	213.8	153.28	192.46			
										30.5	21.87	27.45
4	GM-7	0.35	0.29	2.13	1.45	1.45	670.2	234.59	194.36			
										125.8	44.04	36.48
										68.4	23.93	19.84

TABLE I

BLOCK NO.	INFLUENCE (DDH, Trench)	INTERSECTION ASSAY ozAu/ton	ozAg/ton	width(m)	TRUE WIDTH (meters)	MINING WIDTH (meters)	INDICATED ORE RESERVES Tons	ozAu	ozAg	INFERRED ORE RESERVES Tons	ozAu	ozAg
12	GM-8	2.02	3.08	1.53	.91	1.22	749.5	1129.55	1723.85			
										454.2	684.50	1044.66
										410.6	618.71	944.38
11	GGP-3	0.96	0.96	1.45	1.03	1.22	336.1	272.57	272.57			
1	T 60	0.224	12.85	0.22	0.22	1.22	429.8	17.19	997.14			
										391.6	15.66	908.51
										504.3	20.17	1169.98
										78.3	3.13	181.66
13	GM-20	2.05	1.28	2.44	1.3	1.3	1001.5	2053.12	1281.92			
										500.8	1026.56	641.02
										534.1	1095.00	683.65
										500.8	1026.56	641.02
15	GM-21	1.02	3.22	0.45	0.2	1.22	1002.5	167.43	531.33			
										501.3	83.72	265.69
										501.3	83.72	265.69
										501.3	83.72	265.69
	T 3	0.582	0.39	0.24	0.24	1.22	95.3	10.87	7.62			
	T 2	0.20	0.56	1.6	1.6	1.6	254.9	50.97	142.74			
3	T 6	2.966	3.50	0.30	0.3	1.22	440.7	321.29	379.00			
										156.6	114.20	134.68
2	T 44	0.675	0.92	0.48	0.48	1.22	375.9	99.99	135.32			
										174.3	46.36	62.75
						TOTAL	9805.9	6549.32	8130.43	8801.0	6971.68	9643.44
						GRADE		.668ozAu /ton	.83ozAg /ton		.792ozAu /ton	1.10ozAg /ton

ORE RESERVES BASED ON SAMPLING
UNDERGROUND ALONG THE SOUTHWEST VEIN

TABLE I

BLOCK NO.	INFLUENCE (underground)	INTERSECTION ASSAY* ozAu/ton	ozAg/ton	width(m)	TRUE WIDTH (meters)	MINING WIDTH (meters)	INDICATED ORE RESERVES Tons	ozAu	ozAg	INFERRED ORE RESERVES Tons	ozAu	ozAg
	(#2 level)											
21	CD-26	.292	.83	.55	.55	1.22	2005.1	393.00	521.3			
	CD-3	.630	.69	.57	.57							
	CD-22	.222	.34	.44	.44							
	CD-23	.776	.64	.44	.44							
										1002.5	196.50	260.65
										1002.5	196.50	260.65
31	CD-15	.469	.40	.57	.57	1.22	1002.5	219.56	190.5			
										501.3	109.78	95.2
										501.3	109.78	95.2
										282.0	61.75	53.58
										106.5	23.33	20.2
30	CD-10	.188	.15	.54	.54	1.22	1441.2	1572.31	1124.14			
	CD-12	2.444	1.95	.36	.36					112.8	123.05	87.98
										43.9	47.85	34.24
										720.6	786.15	562.07
										720.6	786.15	562.07
29	CD-48	.200	.32	.47	.47	1.22	2299.6	91.98	114.98			
	CD-49	.250	.19	.13	.13							
	CD-50	.364	.35	.16	.16					43.9	1.75	2.19
	CD-52	.082	.19	.10	.10					1149.8	45.99	57.49
	CD-55	.188	.21	.27	.27					1149.8	45.99	57.49
	(#1 level)											
26	CD-32	.168	.31	.10	.10	1.22	1159.2	77.67	58.0			
	CD-33	.226	.21	.17	.17					579.6	38.83	28.98
	CD-34	.688	.45	.28	.28					579.6	38.83	28.98
25	CD-37	.296	1.14	.61	.61	1.22	2036.4	615.00	875.65			
	CD-38	1.230	1.10	.58	.58							
	CD-39	2.208	2.29	.26	.26					849.8	256.64	365.41
	CD-40	2.432	2.45	.08	.08					1018.2	307.50	437.83
	CD-41	.472	.86	.69	.69							
	CD-42	.624	1.29	.36	.36					411.2	124.18	176.82
						TOTAL	9944.0	2969.52	2884.57	10775.9	3300.55	3187.03
						(stoped area)	- 500.0	- 300.00	.29ozAg		.306ozAu	.30ozAg
							9444.0	2669.52	/ton		/ton	/ton

ORE RESERVES BASED ON SAMPLING
UNDERGROUND ALONG THE SOUTHWEST VEIN
AND 1981 DIAMOND DRILLING

BLOCK ID.	INFLUENCE (underground) trenches)	INTERSECTION ASSAY ozAu/ton	ozAg/ton	width(m)	TRUE WIDTH (meters)	MINING WIDTH (meters)	MEASURED ORE RESERVES Tons	ozAu	ozAg	INDICATED ORE RESERVES Tons	ozAu	ozAg
	CD-37	.296	1.14	.61	.61	1.22	1938.1	587.20	839.20			
	CD-38	1.230	1.10	.58	.58							
	CD-39	2.208	2.29	.26	.26					849.3	257.40	368.00
	CD-40	2.432	2.45	.08	.08					551.9	167.20	239.00
	CD-41	.472	.86	.69	.69							
	CD-42	.624	1.29	.36	.36					411.2	124.18	176.82
27	GH-32	*27.800	8.17	.70	.32	1.22	909.1	2384.50	1948.20			
										101.4	266.00	217.00
										454.2	1191.40	972.00
										454.2	1191.40	972.00
										476.4	1249.60	1019.50
28	GH-33	0.369	1.28	.50	.32	1.22	909.1	88.00	305.20			
										89.4	8.70	30.40
										454.2	44.10	154.40
										454.2	44.10	154.40
										101.4	9.80	34.50
						TOTAL	11663.9	5414.20	5101.50	12895.0	7165.11	6544.99
						STOPED	(500.0)	(300.00)				
							11113.9	5114.20				
						AVERAGE GRADE	oz/ton	.46ozAu /ton	.46ozAg /ton		.56ozAu /ton	.51ozAg /ton

* Cut to 10 oz.

ORE RESERVES BASED ON SAMPLING
UNDERGROUND ALONG THE BULLION VEIN

TABLE I

BLOCK NO.	INFLUENCE (underground) trenches)	INTERSECTION ASSAY ozAu/ton	ozAg/ton	width(m)	TRUE WIDTH (meters)	MINING WIDTH (meters)	INDICATED ORE RESERVES Tons	ozAu	ozAg	INFERRED ORE RESERVES Tons	ozAu	ozAg
	T 36	.858	3.78	.22	.22	1.22	438.6	67.99	298.3			
										438.6	67.99	298.3
										407.3	63.13	277.0
	T 34	.250	1.05	.18	.18	1.22	469.9	17.39	72.83			
										107.7	3.98	16.69
										469.9	17.39	72.83
	T 31	6.44	10.72	.27	.27	1.22	246.7	185.53	337.99			
	T 32	.272	1.31	.35	.35					13.7	10.31	18.77
										117.5	88.35	160.98
	CD-4	.614	1.94	.15	.15	1.22	516.8	38.76	12.40			
										344.6	25.85	8.27
										219.3	16.45	5.26
										39.2	2.94	.94
	CD-5	.458	.8	.08	.08	1.22	1284.5	50.10	154.10			
	CD-6	.100	.84	.57	.57					125.3	4.89	15.0
										313.3	12.22	37.60
										642.3	25.03	77.08
						TOTAL	2956.5	359.77	875.62	3238.7	338.53	988.72
						GRADE		.122ozAu /ton	.30ozAg /ton		.105ozAu /ton	.31ozAg /ton

APPENDIX 4

USGS and ESC

Ore Category Definitions

To serve these planning purposes Total Resoures are classified both in terms of economic feasibility and of the degree of geologic assurance. The factors involved are incorporated in figure 1 to provide a graphic classification of Total Resources.

General guides for the use of this classification system are as follows:

1. Resource categories and definitions in the classification, as specified in the glossary, should be applicable to all naturally occurring concentrations of metals, nonmetals, and fossil fuels. The categories may be subdivided for special purposes.
2. Definitions may be amplified, where necessary, to make them more precise and conformable with accepted usage for particular commodities or types of resource evaluations.
3. Quantities and qualities may be expressed in a variety of terms and units to suit different purposes, but must be clearly stated and defined.

GLOSSARY OF RESOURCE TERMS

Resource.—A concentration of naturally occurring solid, liquid, or gaseous materials in or on the Earth's crust in such form

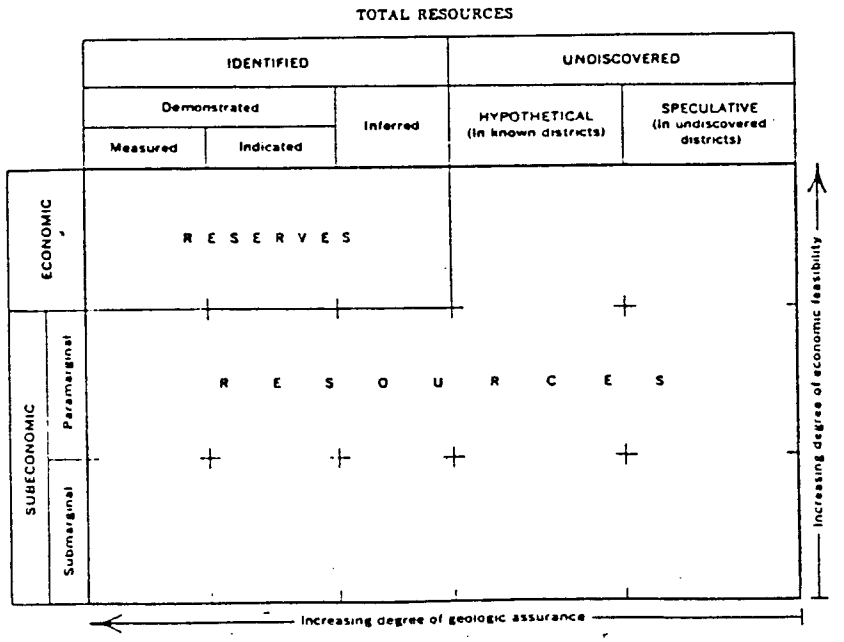

FIGURE 1.—Classification of mineral resources.

that economic extraction of a commodity is currently or potentially feasible.

Identified resources.—Specific bodies of mineral-bearing material whose location, quality, and quantity are known from geologic evidence supported by engineering measurements with respect to the demonstrated category.

Undiscovered resources.—Unspecified bodies of mineral-bearing material surmised to exist on the basis of broad geologic knowledge and theory.

Reserve.—That portion of the identified resource from which a usable mineral and energy commodity can be economically and legally extracted at the time of determination. The term *ore* is used for reserves of some minerals.

The following definitions for measured, indicated, and inferred are applicable to both the Reserve and Identified-Subeconomic resource components.[1]

Measured.—Reserves or resources for which tonnage is computed from dimensions revealed in outcrops, trenches, workings, and drill holes and for which the grade is computed from the results of detailed sampling. The sites for inspection, sampling, and measurement are spaced so closely and the geologic character is so well defined that size, shape, and mineral content are well established. The computed tonnage and grade are judged to be accurate within limits which are stated, and no such limit is judged to be different from the computed tonnage or grade by more than 20 percent.

Indicated.—Reserves or resources for which tonnage and grade are computed partly from specific measurements, samples, or production data and partly from projection for a reasonable distance on geologic evidence. The sites available for inspection, measurement, and sampling are too widely or otherwise inappropriately spaced to permit the mineral bodies to be outlined completely or the grade established throughout.

Demonstrated.—A collective term for the sum of measured and indicated reserves or resources.

Inferred.—Reserves or resources for which quantitative estimates are based largely on broad knowledge of the geologic charac-

[1] The terms proved, probable, and possible (used by the industry and economic evaluations of ore in specific deposits or districts) commonly have been used loosely and interchangeably with the terms measured, indicated, or inferred (used by the Department of the Interior mainly for regional or national estimates). The terms "proved" and "measured" are essentially synonymous. The terms "probable" and "possible," however, are not synonymous with "indicated" and "inferred." "Probable" and "possible" describe estimates of partly sampled deposits—in some definitions, for example, "probable" is used to describe deposits sampled on two or three sides, and "possible" for deposits sampled only on one side; in the Bureau-Survey definitions, both would be described by the term "indicated."

ter of the deposit and for which there are few, if any, samples or measurements. The estimates are based on an assumed continuity or repetition, of which there is geologic evidence; this evidence may include comparison with deposits of similar type. Bodies that are completely concealed may be included if there is specific geologic evidence of their presence. Estimates of inferred reserves or resources should include a statement of the specific limits within which the inferred material may lie.

Identified-Subeconomic.—Resources that are not Reserves, but may become so as a result of changes in economic and legal conditions.

Paramarginal.—The portion of Subeconomic Resources that (1) borders on being economically producible or (2) is not commercially available solely because of legal or political circumstances.

Submarginal.—The portion of Subeconomic Resources which would require a substantially higher price (more than 1.5 times the price at the time of determination) or a major cost-reducing advance in technology.

Hypothetical resources.—Undiscovered resources that may reasonably be expected to exist in a known mining district under known geologic conditions. Exploration that confirms their existence and reveals quantity and quality will permit their reclassification as a Reserve or Identified-Subeconomic resource.

Speculative resources.—Undisovered resources that may occur either in known types of deposits in a favorable geologic setting where no discoveries have been made, or in as yet unknown types of deposits that remain to be recognized. Exploration that confirms their existence and reveals quantity and quality will permit their reclassification as Reserves or Identified-Subeconomic resources.

AREAS OF RESPONSIBILITY AND OPERATIONAL PROCEDURES

U.S. Bureau of Mines.—The Bureau appraises, analyzes, and publishes reserve estimates from base data supplied by the mineral and energy materials industry, the U.S. Geological Survey, and other governmental agencies. The Bureau judges commodity recoverability on existing economic and legal factors.

MINERAL RESOURCE DEFINITIONS

Ore is a natural mineral-bearing substance that can be recovered by mining and from which one or more commodities can be extracted economically under conditions specified at the time of the appraisal.

Measured Ore refers to ore for which tonnage is computed from dimensions revealed in outcrops, trenches, workings or drill holes, and for which grade is computed from adequate sampling. The sites for inspection, sampling and measurement are so closely spaced and the geological character is so well defined that the size, shape and mineral content are well established. The tonnage and grade should refer to ore recoverable by mining with due regard for dilution.

Indicated Ore refers to ore for which tonnage and grade are computed partly from specific measurements, samples, or production data and partly from projection for a reasonable distance on geological evidence. The openings or exposures available for inspection, measurement and sampling are too widely or inappropriately spaced to outline the ore completely or to establish its grade throughout.

Inferred Ore refers to ore for which quantitative estimates are based largely on broad knowledge of the geological character of the deposit and for which there are few, if any, samples or measurements. Estimates are based on assumed continuity or repetition for which there is geological evidence; this evidence may include comparison with deposits of similar types. Bodies that are completely concealed but for which there is some geological evidence may be included. Estimates of inferred ore should include a statement of the specific limits within which the inferred material may lie. These limits vary depending upon the characteristics and knowledge of the orebodies.

GEORGIA
L 4437

GEM
L 5150

GEM
L 5151

GEORGIA No. 1
L 4438

SOVEREIGN No. 2
L 5162

GM 34
GM 35

GM 24
GM 25

GM 22
GM 23

GM 16
GM 17
GM 18

GM 13
GM 14
GM 15

88-01
88-02
88-03

GGP 2
GGP 3
GGP 4

GGP5

GM 10
GM 11
GM 12

88-10
88-11
88-12

88-06
88-07
88-08
88-09

GM 7
GM 8
GM 9

GM 19
GM 20
GM 21

88-03
88-04

CREEK

COBBETT

GM 26
GM 27

GM 28
GM 29

GM 30
GM 31

GM 1
GGP 1

GM 32
GM 33

DANNY Fr.
L 5163

JITNEY
L 5159

88-13
88-14

88-15

SOVEREIGN No. 1
L 5161

GEORGIA No. 2
L 4439

GOLDFIELDS No. 2
L 5154

SOVEREIGN Fr.
L 5173

CREEK

SOVEREIGN
L 5160

GOLDFIELDS No. 3
L 5155

CREEK

CREEK

BULLION

GOLDFIELDS No. 4
L 5156

LEGEND

- Previous Diamond Drill Hole
- 1988 Diamond Drill Hole
- Claim Boundary
- Creek showing direction of flow
- Underground Workings

50 0 50 100 Metres

Scale: 1: 2000

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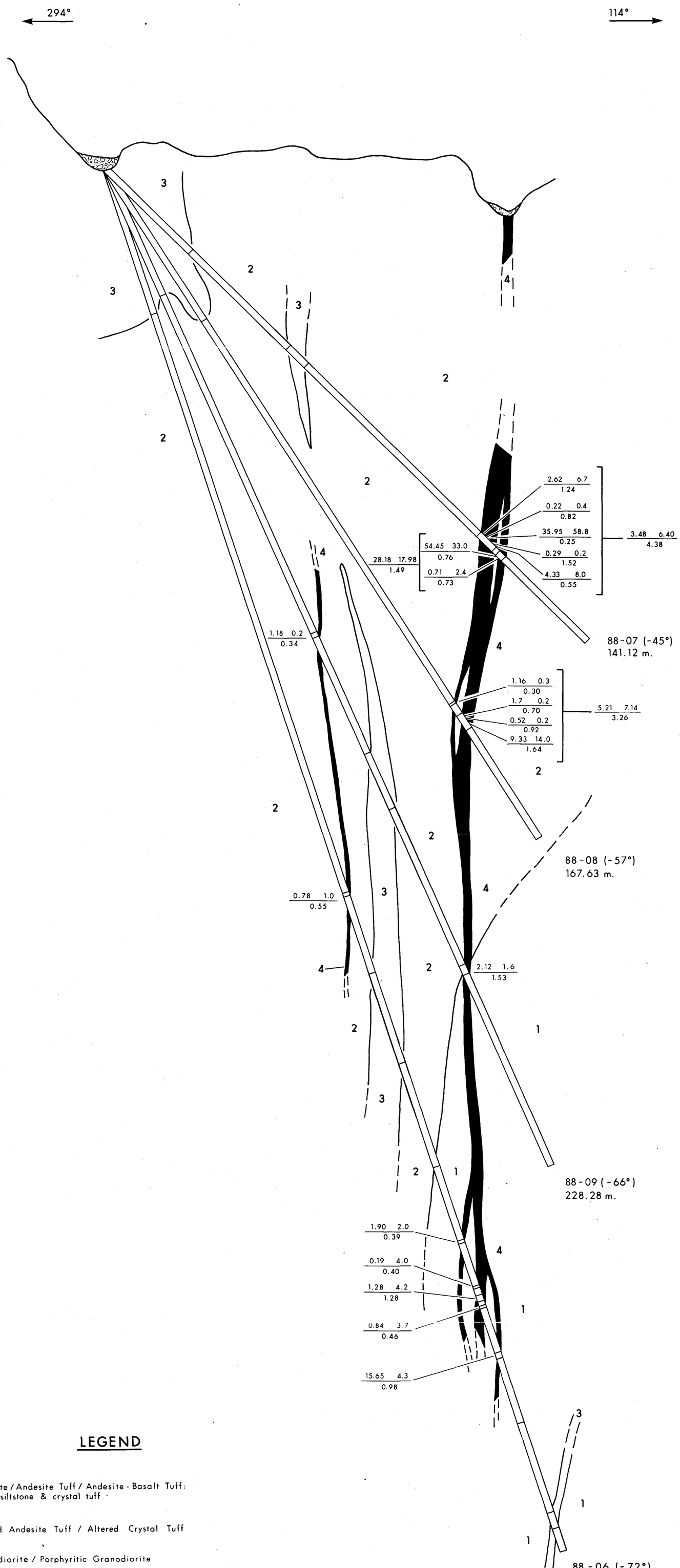
GEORGIA RIVER PROJECT

DIAMOND DRILL HOLE
LOCATION MAP

Drawn by: K. Konkin	Figure: 4
Scale: 1: 2000	Date: Nov., 1988



LEGEND

1 Andesite / Andesite Tuff / Andesite - Basalt Tuff: minor siltstone & crystal tuff

2 Altered Andesite Tuff / Altered Crystal Tuff

3 Granodiorite / Porphyritic Granodiorite

4 Quartz Vein / Quartz Stockwork with: Pyrite, Pyrrhotite, Sphalerite, Galena & Arsenopyrite (zones with values of greater than 0.6 g./tonne Au plotted)

Au (g./tonne) — Ag (g./tonne)
15.65 4.3
0.98
width (meters)

10 0 10 20 30 Metres
Scale: 1:500

AVATAR RESOURCES LTD.

GEOLOGICAL & ASSAY SECTION OF S.W. VEIN DDH-88-06 to DDH-88-09

By: K. Konkin	Figure: 7
Scale: 1:500	Date: Nov. 1988

281°

101°

3

3

2

3

4

2

4

2

1.51 3.8
0.64

4

1

5.41 10.7
0.97

Calcite sweats:
3-5% sphalerite,
3-5% pyrite,
minor quartz stringers

2

1

10.30 8.28
1.77

1.75 4.2
0.88

18.75 12.3
0.89

1

0.75 8.2
1.03

0.67 11.5
0.95

0.71 9.79
1.98

2

88 - 10 (-45°)
136.54 m.

0.87 16.4
0.88

0.69 3.5
0.80

78.40 76.5
0.67

2

1

3

1

1

16.00 50.2
0.48

3

1

14.60 9.8
0.30

1

4

1

2.09 5.3
0.92

0.55 2.4
0.79

1.37 3.96
1.71

4

4

88 - 11 (-57°)
167.33 m.

88 - 12 (-66°)
224.93 m.

LEGEND

1 Andesite / Andesite Tuff / Andesite - Basalt Tuff: minor siltstone & crystal tuff

2 Altered Andesite Tuff / Altered Crystal Tuff

3 Granodiorite / Porphyritic Granodiorite

4 Quartz Vein / Quartz Stockwork with:
Pyrite, Pyrrhotite, Sphalerite, Galena & Arsenopyrite
(zones with values of greater than 0.6 g./tonne Au plotted)

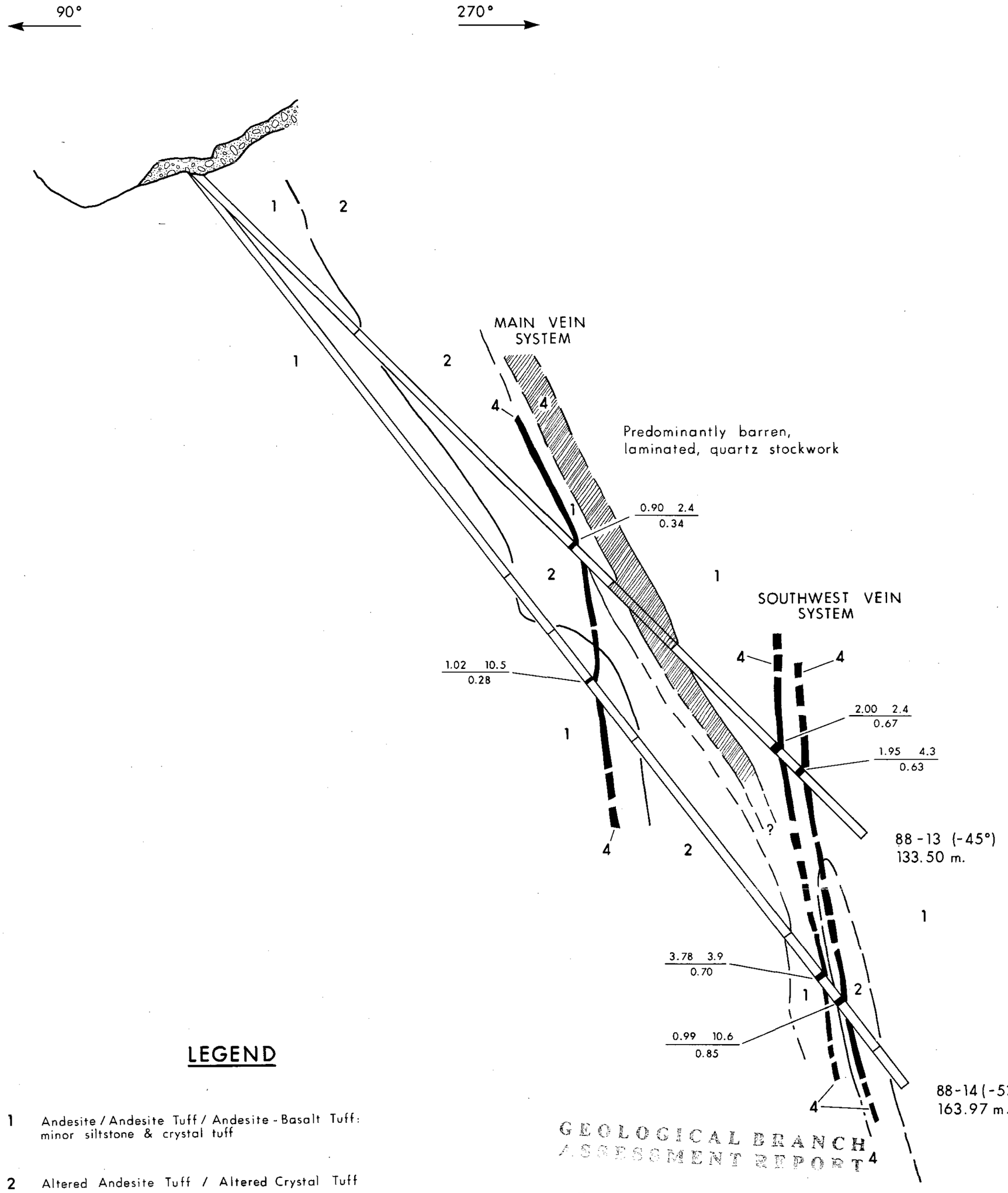
Au (g./tonne) → 78.40 76.5 ← Ag (g./tonne)
0.67 ← width (meters)

10 0 10 20 30 Metres
Scale: 1:500

AVATAR RESOURCES LTD.

GEOLOGICAL & ASSAY SECTION OF S.W. VEIN DDH-88-10 to DDH-88-12

By: K. Konkin	Figure: 8
Scale: 1:500	Date: Nov. 1988



LEGEND

1 Andesite / Andesite Tuff / Andesite - Basalt Tuff: minor siltstone & crystal tuff

2 Altered Andesite Tuff / Altered Crystal Tuff

3 Granodiorite / Porphyritic Granodiorite

4 Quartz Vein / Quartz Stockwork with: Pyrite, Pyrrhotite, Sphalerite, Galena & Arsenopyrite (zones with values of greater than 0.6 g./tonne Au plotted)

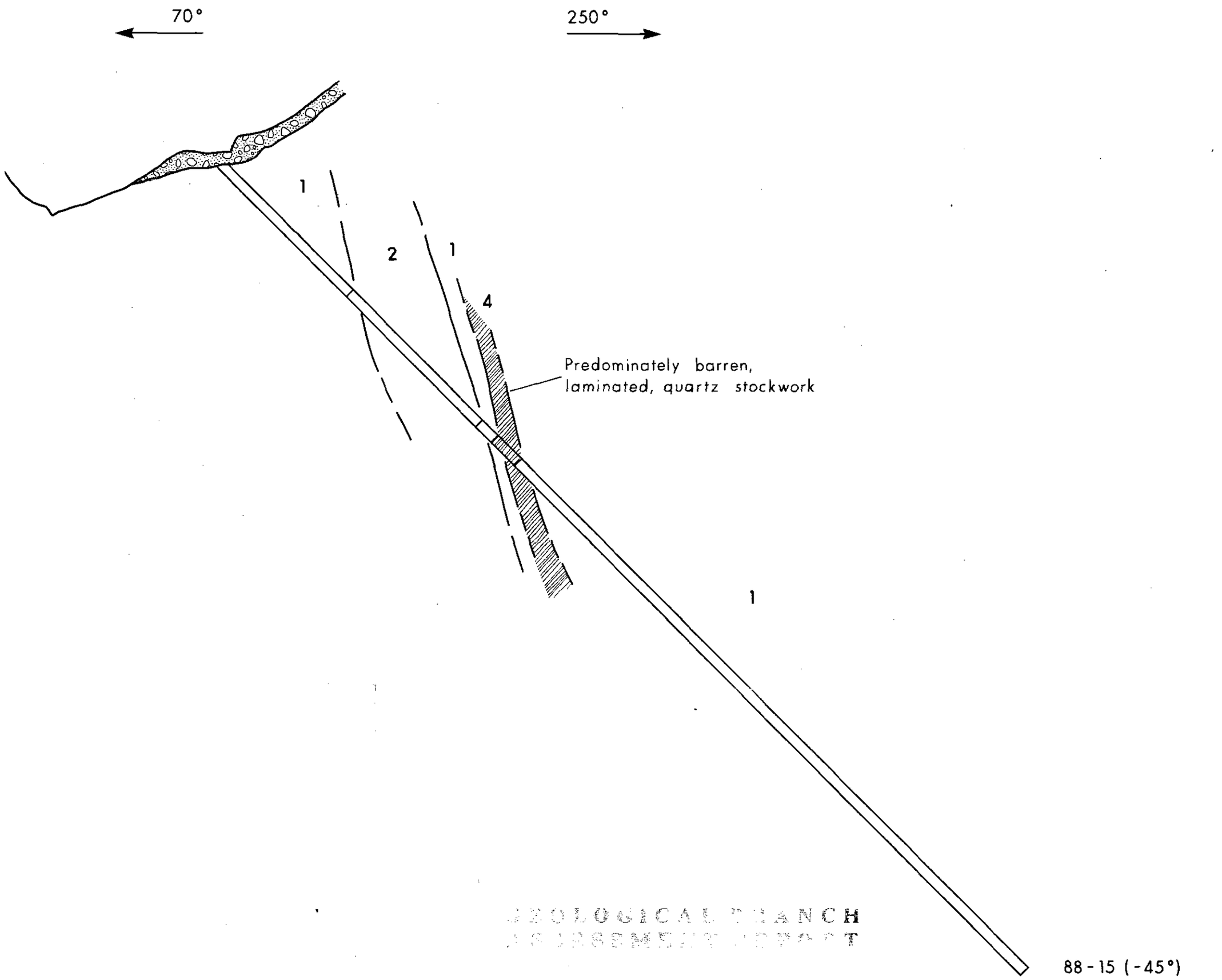
Au (g./tonne) — 3.78 3.9 — Ag (g./tonne)
0.70 — width (meters)

10 0 10 20 30 Metres
Scale : 1:500

AVATAR RESOURCES LTD.

GEOLOGICAL & ASSAY SECTION OF THE MAIN AND S.W. VEINS DDH-88-13 & DDH-88-14

By: K. Konkin	Figure: 9
Scale: 1:500	Date: Nov. 1988



LEGEND

1 Andesite / Andesite Tuff / Andesite - Basalt Tuff: minor siltstone & crystal tuff

2 Altered Andesite Tuff / Altered Crystal Tuff

3 Granodiorite / Porphyritic Granodiorite

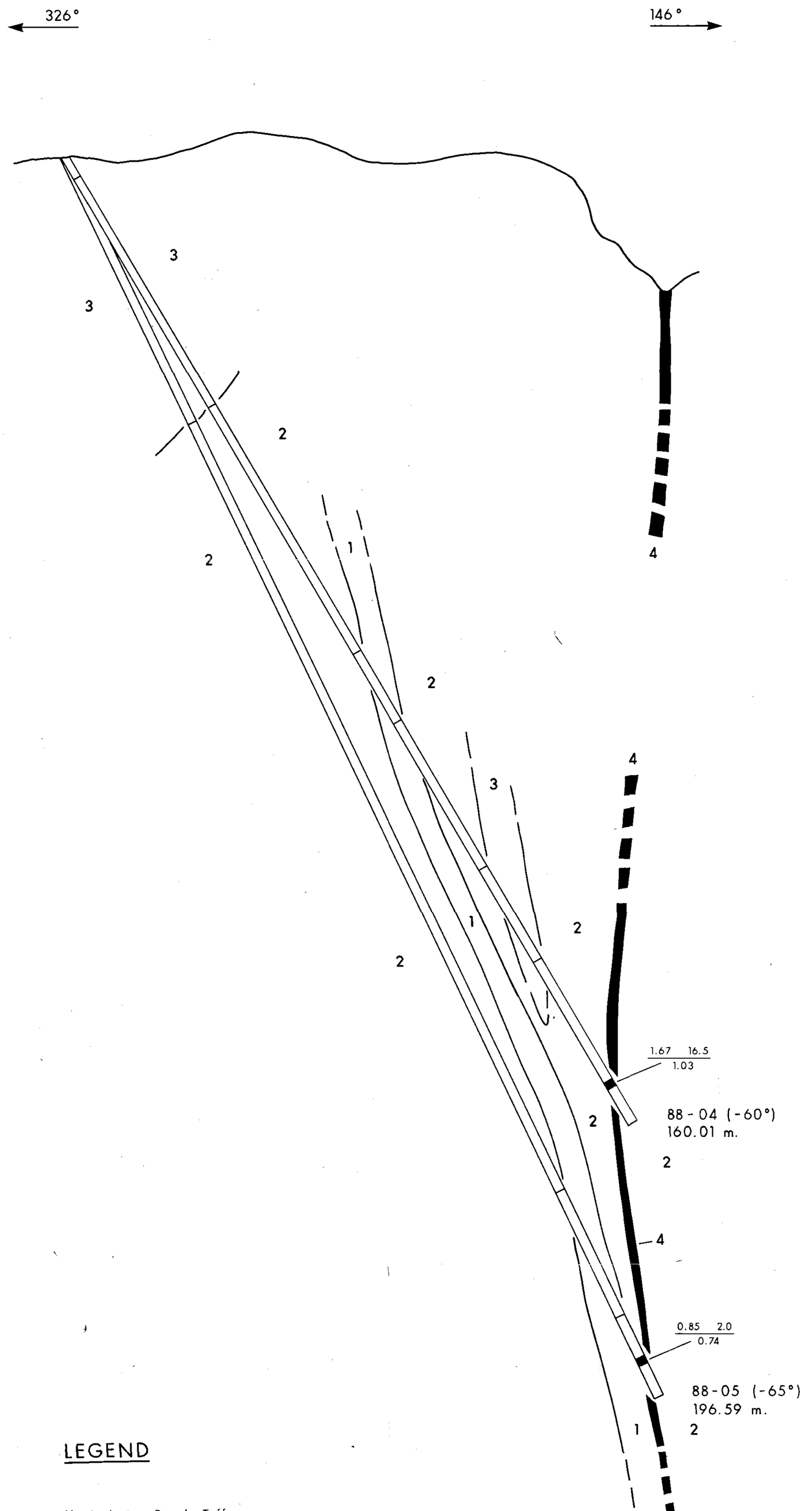
4 Quartz Vein / Quartz Stockwork with: Pyrite, Pyrrhotite, Sphalerite, Galena & Arsenopyrite (zones with values of greater than 0.6 g./tonne Au plotted)

Scale: 1:500

AVATAR RESOURCES LTD.

GEOLOGY & ASSAY SECTION OF THE MAIN VEIN SYSTEM DDH - 88 - 15

By: K. Konkin	Figure: 10
Scale: 1:500	Date: Nov. 1988



LEGEND

1 Andesite / Andesite Tuff / Andesite - Basalt Tuff: minor siltstone & crystal tuff

2 Altered Andesite Tuff / Altered Crystal Tuff

3 Granodiorite / Porphyritic Granodiorite

4 Quartz Vein / Quartz Stockwork with: Pyrite, Pyrrhotite, Sphalerite, Galena & Arsenopyrite (zones with values of greater than 0.6 g./tonne Au plotted)

Au (g./tonne) → 1.67 16.5 ← Ag (g./tonne)
1.03 ← width (meters)

10 0 10 20 30 Metres
Scale: 1:500

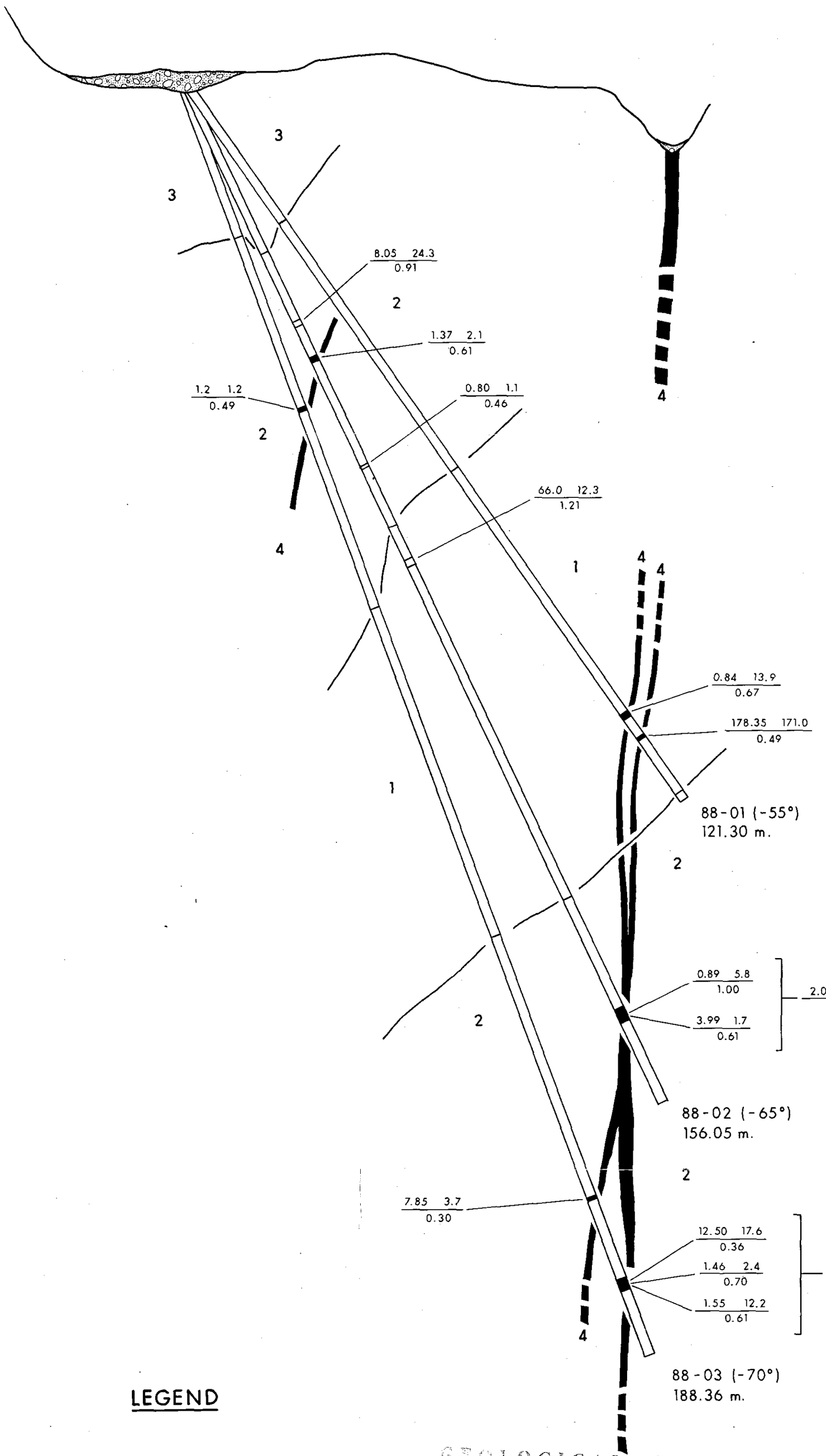
AVATAR RESOURCES LTD.

GEOLOGICAL & ASSAY SECTION OF S.W. VEIN DDH-88-04 & DDH-88-05

By: K. Konkin	Figure: 6
Scale: 1:500	Date: Nov. 1988

294°

114°



LEGEND

1 Andesite / Andesite Tuff / Andesite - Basalt Tuff: minor siltstone & crystal tuff

2 Altered Andesite Tuff / Altered Crystal Tuff

3 Granodiorite / Porphyritic Granodiorite

4 Quartz Vein / Quartz Stockwork with: Pyrite, Pyrrhotite, Sphalerite, Galena & Arsenopyrite (zones with values of greater than 0.6 g./tonne Au plotted)

Au (g./tonne) → 178.35 171.0 ← Ag (g./tonne)
0.49 ← width (meters)

10 0 10 20 30 Metres

Scale: 1:500

AVATAR RESOURCES LTD.

GEOLOGICAL & ASSAY SECTION OF S.W. VEIN DDH-88-01 to DDH-88-03

By: K. Konkin	Figure: 5
Scale: 1:500	Date: Nov. 1988