1990 GEOLOGICAL, GEOCHEMICAL
2ND GEOPHYSICAL REPORT
ON THE
ANUK RIVER EAST PROJECT

Located in the Galore Creek Area
Liard Mining Division
NTS 104G/3W,4E
57° 09' North Latitude
131° 31' West Longitude

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,774

-prepared for-
CONSOLIDATED GOLDWEST RESOURCES LTD.

-prepared by-
Robert Falls, Geologist

December, 1990
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1.0 INTRODUCTION

The Anuk River East Project encompasses the PL 4-6 and Pup 6-7 claims, located in the Liard Mining Division, approximately 170 kilometres northwest of Stewart in northwestern British Columbia (Figure 1). They were staked in 1988, 1989 and 1990 to cover favourable geology between the Jack Wilson gold-copper occurrences and the Galore Creek copper-gold deposit. Initial exploration in 1989 returned anomalous stream sediment samples from the northern edge of the property in association with narrow silver-bearing quartz-carbonate veins. The geological similarity to the Iskut River, Sulphurets and Stewart mining camps to the south and the discovery in the past few years of several major precious metals occurrences elsewhere in the Galore Creek district have sparked renewed exploration interest throughout the area.

Limited exploration, consisting of geological mapping, prospecting, soil sampling and ground geophysical surveys, was carried out over the Anuk River East property during 1990. Equity Engineering Ltd. conducted this program for Consolidated Goldwest Resources Ltd. and has been retained to report on the results of the fieldwork.

2.0 LIST OF CLAIMS

Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the following claims (Figure 2) are owned 49% by Pass Lake Resources Ltd. and 51% by Consolidated Goldwest Resources Ltd. Separate documents indicate that they are beneficially owned by Pass Lake Resources while Consolidated Goldwest Resources Ltd. earns its interest.

<table>
<thead>
<tr>
<th>Claim Name</th>
<th>Record Number</th>
<th>No. of Units</th>
<th>Record Date</th>
<th>Expiry Year</th>
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<tr>
<td>Pup 6</td>
<td>6524</td>
<td>5</td>
<td>Oct. 14, 1989</td>
<td>1994*</td>
</tr>
<tr>
<td>Pup 7</td>
<td>7769</td>
<td>14</td>
<td>Aug. 27, 1990</td>
<td>1991</td>
</tr>
<tr>
<td>PL-4</td>
<td>5373</td>
<td>14</td>
<td>Oct. 11, 1988</td>
<td>1994*</td>
</tr>
<tr>
<td>PL-5</td>
<td>5374</td>
<td>14</td>
<td>Oct. 11, 1988</td>
<td>1994*</td>
</tr>
<tr>
<td>PL-6</td>
<td>5375</td>
<td>16</td>
<td>Oct. 11, 1988</td>
<td>1994*</td>
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</table>

* Subject to approval of assessment work filed in October 1990.

The PL-4 claim overlaps the Jack claim to the west and the JW 4 claim to the north by 100 and 350 meters, respectively. The southwestern corner of the PL-6 claim overlaps the Galore Creek claim group by 500 meters. The Pup 7 claim was staked in August 1990 to cover a narrow fraction between the PL-5 and PL-6 claims; the Pup 6 claim covers a fraction between the north boundary of the
PROPERTY LOCATION

CONSOLIDATED GOLDWEST RESOURCES LTD.
ANUK RIVER EAST PROJECT LOCATION MAP
BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

N.T.S.: 104G/3W, 4E
SCALE: AS SHOWN
DATE: DEC., 1990
REVISED:

MILES 0 50 100 200 300 300 MILES
Km 0 100 200 300 400 500 Km

DRAWN: J.W.
MINING DIV. LIARD
FIGURE
PL-6 claim and the Pup 1-5 claim group to the north. The actual size of the Anuk River East property is closer to 39 units as a result of the overstaking. The positions of all legal corner posts for the Anuk River East property have been verified by Equity Engineering field crews.

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Anuk River East property is located within the Coast Range Mountains approximately 170 kilometres northwest of Stewart and 80 kilometres south-southwest of Telegraph Creek in northwestern British Columbia (Figure 1). It lies within the Liard Mining Division, centred at 57° 09' north latitude and 131° 31' west longitude.

Access to the property in 1990 was provided by daily helicopter setouts from the Galore Creek camp, located approximately five kilometres to the southeast. Fixed-wing aircraft up to the size of a Turbo Otter fly charters from Smithers and Wrangell to the Galore Creek airstrip. On the Alaskan side of the border, Wrangell lies approximately 90 kilometres to the southwest, and provides a full range of services and supplies, including a commercial airport. The Stikine River has been navigated by 100-ton barges upriver as far as Telegraph Creek, allowing economical transportation of heavy machinery and fuel to within ten kilometres of the property.

The PL 4-6 and Pup 6-7 claims cover the northern slopes of the east ridge of Saddlehorn Mountain and the glacier located at the headwaters of Jack Wilson Creek (Figure 2). Topography is precipitous, typical of mountainous and glaciated terrain, with elevations ranging from 750 meters near Jack Wilson Creek to over 2080 meters on an unnamed peak east of Saddlehorn Mountain. At least two-thirds of the property is covered by glaciers, permanent snowfields or thick glacial moraine.

North of Jack Wilson Creek, lower slopes are covered by sparse growth of alpine fir. Above treeline, which occurs at approximately 1150 meters, more open alpine vegetation is present. The property lies in the wet belt of the Coast Range Mountains. Annual precipitation ranges from 190 to 380 centimetres (Kerr, 1948b). Except during July, August and September, precipitation at higher elevations falls mainly as snow, with accumulations reaching three meters or more. Both summer and winter temperatures are moderate, ranging from -5°C in the winter to 20°C in the summer months.
4.0 PROPERTY MINING HISTORY

4.1 Previous Work

The Galore Creek district was extensively explored for its copper potential throughout the 1960's, following the discovery in 1955 of the Galore Creek copper-gold porphyry deposit four kilometres southeast of PL-6 (Figure 3), whose Central Zone hosts reserves of 125 million tonnes grading 1.06% copper and 400 parts per billion gold (Allen et al., 1976). Several major mining companies conducted regional mapping and silt sampling programs over the entire Galore Creek area, and the Copper Canyon copper-gold porphyry, estimated by Dobell and Spencer (1958) to contain 27 million tonnes at a grade of 0.72% copper and 0.43 g/tonne (0.01 oz/ton) gold, was discovered eight kilometres east of the Central Zone in 1957. The Copper Canyon deposit and some of the peripheral zones on the Galore Creek property were subjects of diamond drilling programs during 1990 which tested their gold potential.

In the early 1980's, Teck Corp. conducted regional reconnaissance for gold throughout the area, and delineated 185,000 tonnes of reserves grading 4.11 g/tonne (0.12 oz/ton) gold in the Paydirt deposit (Holtby, 1985), located approximately eight kilometres south of the Anuk River East property. Several significant precious metal occurrences were discovered on each of the Trek, Trophy, Wiser, Icy and JW properties during the 1988 and 1989 field seasons (Figure 3). In each case, these properties had been explored for copper during the 1960's, but had never received due attention for their gold potential. Initial drilling in 1990 on the JW property, which lies immediately to the northwest of the Anuk River East claim group, returned 60.0 metres of porphyry-style mineralization grading 0.22% copper and 0.41 g/tonne (0.01 oz/ton) gold (Stockwatch, Sept. 13/90).

During September of 1989, Consolidated Goldwest Resources Ltd. carried out one day of reconnaissance exploration on the Anuk River East claim group, taking 6 stream silt samples and 24 rock samples. Several narrow quartz-carbonate veins with poddy sulphides were found on the northern part of the PL-6 claim. Select samples from these veins assayed up to 189.4 g/tonne (5.52 oz/ton) silver with 5.92% lead. Two silt samples, taken from streams draining the northern part of the PL-6 claim and the adjoining Pup property, were anomalous in gold with 45 and 65 parts per billion; one of these also contained highly anomalous copper with 534 parts per million (Kasper, 1989).

4.2 1990 Work Program

During July, August and October of 1990, Consolidated Goldwest Resources Ltd. carried out limited geological mapping, prospecting, soil sampling and ground geophysical surveys over the northeastern portion of the Anuk River East property. This program was designed...
to investigate the anomalous 1989 results and coordinate with work being carried out to the north on the Saddle Zone of the Pup property (Ross, 1989).

A soil geochemical grid was laid out using chain and compass over the northern part of the PL-6 claim, with a 500-metre north-south baseline. Crosslines were run 50 metres apart, but only the five northernmost lines were sampled due to glacial moraine cover. Soil samples were taken at 25 metre intervals from the red-brown B horizon, wherever possible (Figure 6). Cumulative frequency distribution plots for soil geochemistry are presented in Appendix E. Magnetometer and VLF-EM surveys were run over the geochemical grid. Survey procedures and results have been described by Ballantyne and Visser (1990) in Appendix G.

Prospecting and reconnaissance geology were carried out over the grid, using a 1:2,000 grid map as a base (Figure 5). Rock samples, described in Appendix C, were taken from zones of alteration and mineralization and analyzed geochemically for gold and 35 elements by ICP. Samples exceeding 1000 ppb gold were fire assayed. Analytical certificates are attached in Appendix D.

5.0 REGIONAL GEOLOGY

The first geological investigations of the Stikine River in northwestern British Columbia began over a century ago when Russian geologists came to Russian North America assessing the area’s mineral potential (Alaskan Geographic Society, 1979, in Brown and Gunning, 1989a), and was followed by the first Geological Survey of Canada foray of G.M. Dawson and R. McConnel in 1887. Several more generations of federal and provincial geologists have been sent to the Stikine, including Kerr (1948b), the crew of Operation Stikine (GSC, 1957), Panteleyev (1976), Souther (1972), Souther and Symons (1974), Monger (1977), and Anderson (1989). The British Columbia Geological Survey has recently completed regional mapping of the area at a scale of 1:50,000 by Brown and Gunning (1989a,b) and Logan and Koyanagi (1989a,b).

The Galore Creek Camp lies within the Intermontane Belt, a geological and physiographic province of the Canadian Cordillera, and flanks the Coast Plutonic Complex to the west (Figure 4). At Galore Creek, the generally northwest-trending structure of the Intermontane Belt is discordantly cut across by the northeast-trending Stikine Arch which became an important, relatively positive tectonic element in Mesozoic time when it began to influence sedimentation into the Bowser Successor Basin to the southeast and into the Whitehorse Trough to the northwest (Souther et al., 1974).

Stikinian stratigraphy ranges from possibly Devonian to Jurassic, and was subsequently intruded by granitoid plutons of
Upper Triassic to Eocene age. The oldest strata exposed in the Galore Creek camp are Mississippian or older mafic to intermediate volcanic flows and pyroclastic rocks (Units 4A and 4B) with associated clastic sediments (Units 4C, 4D, 4G and 4J) and carbonate lenses (Unit 4E). These are capped by up to 700 meters of Mississippian limestone with a diverse fossil fauna (Map Unit 4E). It appears from fossil evidence that all of the Pennsylvanian system is missing and may be represented by an angular unconformity and lacuna of 30 million years, though field relationships are complicated by faulting (Monger, 1977; Logan and Koyanagi, 1989a). Permian limestones (Units 6A, 6B and 6C), also about 700 meters thick, lie upon the Mississippian limestone but are succeeded by a second lacuna amounting to about 20 million years from the Upper Permian to the upper Lower Triassic.

Middle and Upper Triassic siliciclastic and volcanic rocks (Unit 7) are overlain by Upper Triassic Stuhini Group siliciclastic (Units 8A and 8B) and volcanic (Units 8D, 8E, 8G, 8H and 8I) rocks, consisting of mafic to intermediate pyroclastic rocks and lesser flows. The Galore Creek porphyry copper deposit appears from field evidence to mark the edifice of an eroded volcanic centre with numerous sub-volcanic plutons of syenitic composition. Jurassic Bowser Basin strata onlap the Stuhini Group strata to the southeast of Iskut River but, because of erosion and non-deposition, are virtually absent from the Galore Creek area.

The plutonic rocks follow a three-fold division (Logan and Koyanagi, 1989a,b). Middle Triassic to Late Jurassic syenitic and broadly granodioritic intrusions are partly coeval and cogenetic with the Stuhini Group volcanics and include the composite Hickman Batholith (Unit 9) and the syenites of the Galore Creek Complex (Unit 11). Jura-Cretaceous Coast Plutonic Complex intrusions (Unit 12) occur on the west side of the Galore Creek Camp, along the Stikine River, with the youngest of these intrusions occupying more axial positions along the trend of the Coast Plutonic Complex flanked by older intrusions. The youngest intrusives in the Galore Creek Camp are Eocene (quartz-) monzonitic plugs (Unit 13), felsic and mafic sills and dykes (Unit 14), and biotite lamprophyre (minette) dykes (Unit 14C).

The dominant style of deformation in the Galore Creek area consists of upright north-trending, open to tight folds and northwest-trending, southwest-verging, folding and reverse faulting in the greenschist facies of regional metamorphism. Localized contact metamorphism ranges as high as pyroxene hornfels grade; metasomatism is also noted near intrusions. Upright folding may be an early manifestation of a progressive deformation which later resulted in southwest-verging structures. Southwest-verging deformation involves the marginal phases of the Hickman Batholith and so is, at least in part, no older than Late Triassic.

Steeply dipping faults which strike north, northwest,
northeast, and east have broken the area into a fault-block mosaic. North-striking faults are vertical to steeply east-dipping and parallel to the Mess Creek Fault (Souther, 1972), which was active from Early Jurassic to Recent times (Souther and Symons, 1974); northwest-striking faults are probably coeval with the north-striking faults, but locally pre-date them. East-west trending faults are vertical or steeply dipping to the north and have normal-type motion on them (i.e., north-side down), whereas northeast-striking faults are the loci of (sinistral) strike-slip motion (Brown and Gunning, 1989a).

A number of metallic deposit types have been recognized in the Galore Creek camp: porphyry copper + molybdenum + gold deposits, structurally-controlled epigenetic 'Cordilleran' vein/shear precious metal replacement deposits, skarns and breccia deposits (Figure 3). Porphyry copper deposits of this area include both the alkalic Galore Creek copper-gold and calc-alkaline Schaft Creek copper-molybdenum deposits. Galore Creek, which is associated with syenitic stocks and dikes rather than a quartz-feldspar porphyry, is further contrasted from the calc-alkaline Schaft Creek in that molybdenite is rare, magnetite is common and gold and silver are important by-products. The mineralization is clearly coeval and cogenetic with the spatially associated intrusive bodies. Other porphyry copper occurrences in the Galore Creek area include the Copper Canyon, Sue/Ann, Bik and Jack Wilson Creek deposits.

Structurally-controlled gold-silver deposits have been the focus of exploration in recent years. The vein/shear occurrences are similar throughout the Galore Creek camp in that they are mesothermal in nature, containing base metal sulphides with strong silica veining and alteration. However, it appears that the intrusive bodies associated with this mineralization fall into two classes on the basis of age and composition. These two classes are reflected in differences in the style of structures, sulphide mineralogy and associated alteration products. The intrusive types are: 1) Lower Jurassic alkaline "Galore Creek" stocks; and 2) Eocene quartz monzonite to porphyritic granodiorite intrusions. Lead isotope data from the Stewart mining camp (Alldrick et al., 1987) further supports the proposition that separate Jurassic and Tertiary mineralizing events were "brief regional-scale phenomena".

Structures associated with the Lower Jurassic syenites are typically narrow (less than 2.0 metres) quartz-chlorite veins mineralized predominately with pyrite, chalcopyrite and magnetite. Examples of these structures in the Galore Creek camp include many of the discrete zones peripheral to the Galore Creek deposit and the gold-rich veins at Jack Wilson Creek. The Tertiary mineralization comprises discrete quartz veins and larger 'shear' zones characterized by pervasive silicification, sericitization and pyritization whose total sulphide content is commonly quite low. The quartz veins contain a larger spectrum of sulphide minerals
including pyrite, chalcopyrite, pyrrhotite, arsenopyrite, galena and sphalerite. Unlike the Jurassic mineralization, silver grades may be very high. A number of mineral showings discovered in the Porcupine River area, including the Paydirt deposit, are of this type.

Skarns represent a minor percentage of the precious metal-bearing occurrences in the Galore Creek camp. The mineralogy of these deposits could be influenced by the composition of the intrusion driving the hydrothermal fluids, in much the same way as described above for the structurally-controlled deposits. If the intrusives are alkalic, the skarn assemblage will be dominated by magnetite and chalcopyrite, as at the Galore Creek deposit and the Hummingbird skarn on the east side of the South Scud River.

The breccia hosted mineralization discovered in the Galore Creek camp precious metal deposits appear to be unique in style and mineralization. Three occurrences have been located in the camp: (1) the zinc-silver-gold Ptarmigan zone in the South Scud River area, (2) the copper-molybdenum-gold-silver breccia at the Trek property on Sphaler Creek and (3) the copper-bearing and magnetite breccias of the complex Galore Creek deposit. The single common denominator of each is that the zones are located along fault structures which may represent the main conduit for mineralizing fluids.

6.0 PROPERTY GEOLOGY AND MINERALIZATION

6.1 Geology

The Anuk River East property is underlain by interbedded volcanic, volcaniclastic and sedimentary rocks of the Upper Triassic Stuhini Group. These rocks are intruded by propylitically-altered diorite of assumed Eocene age. Figure 5 shows the geology and sample locations for the Anuk River East Grid area. Those 1989 silt and rock samples which could be accurately located are also shown.

The Stuhini Group rocks (Unit 8) generally show weak chlorite and epidote alteration. They strike north to northeast with moderate westerly dips. Several northeast-striking, northwest-dipping faults have been mapped on the property. The fault zones show strong sericite alteration and often form steep stream gullies.

The majority of the Anuk River East Grid area is underlain by interbedded augite and feldspar porphyritic andesite flows (Units 8D and 8E respectively). They are composed of 10 to 20% augite or feldspar phenocrysts in a dark green, massive, fine-grained groundmass. Interbedded with these rocks are argillite (Unit 8A), tuff (Unit 8G) and agglomerate (Unit 8H).
Argillite (Unit 8A) is well-laminated and weathers to a rusty orange-brown colour. It may grade into greyish-green, laminated tuff (Unit 8G). Agglomerate (Unit 8H) consists of volcanic fragments up to 10 centimetres across in a fine-grained, greenish-grey matrix.

In the western part of the Anuk River East Grid area Stuhini Group rocks are intruded by diorite plugs of assumed Eocene age (Unit 13E). The diorite is medium-grained, and shows moderate to strong chlorite-epidote alteration.

The youngest rocks on the property are dykes of assumed Tertiary age, which intrude Stuhini Group rocks in the western part of the grid area. Fine-grained, dark green, massive andesite (Unit 14A) and rusty-weathering biotite lamprophyre (Unit 14C) dykes have been mapped.

6.2 Mineralization

Several rock samples from the western part of the Anuk River East Grid returned high values for gold and copper. This mineralization is associated with quartz veinlet stockworks within chlorite-epidote altered diorite (Unit 13E), which generally contain 1 to 5% blebby chalcopyrite and 1% disseminated pyrite.

Sample 39388 returned 2.81 g/tonne (0.082 oz/ton) gold, 2.08% copper, 12 ppm silver, 1300 ppm lead and low values for zinc and arsenic. It was taken from altered diorite float, containing quartz-chalcopyrite-pyrite veinlets. The sample may be derived from the diorite outcrop on which it was found.

Samples 28682 and 39392 also consist of diorite float. They were taken on a talus slope below malachite-stained cliffs near the northern boundary of the property, composed of diorite and volcanic rocks. Sample 28682, containing disseminated pyrite, returned 1.51 g/tonne (0.044 oz/ton) gold with low values for other precious and base metals. Sample 39392, containing 5% chalcopyrite and 1% pyrite, returned 2.81 g/tonne (0.082 oz/ton) gold, 2.20% copper, 13 ppm silver, 810 ppm lead and low values for zinc and arsenic. Both of these samples are believed to have originated in malachite-stained cliffs to the north of the grid area. Grab sample 39391 was taken from diorite within these cliffs. The sample, containing disseminated chalcopyrite, returned 560 ppb gold, 1.13% copper, 1100 ppm lead and low values for silver, zinc and arsenic.

Wider milky quartz veins, containing coarse blebs of chalcopyrite and pyrite, are found nearby but gold values for these veins are lower. Float sample 28678, taken from vein material of this type, returned 360 ppb gold, 5600 ppm copper and low values for other precious and base metals.
On the eastern part of the grid two samples returned elevated silver, lead and zinc, but low gold and copper values. Both samples are from narrow quartz-pyrrhotite veins which strike northerly and dip moderately towards the west. Sample 28679, taken from a 5 centimetre wide vein hosted within argillite (Unit 8A), returned 65 ppm silver, 2400 ppm lead, 1100 ppm zinc and 970 ppm arsenic. Sample 28680, taken from a similar vein hosted within andesitic tuff (Unit 8), returned values of 23 ppm silver, 1200 ppm lead, 1200 ppm zinc and 210 ppm arsenic.

7.0 GEOCHEMISTRY

Soil sampling on the Anuk River East Grid has revealed some geochemical anomalies (Figures 6 to 9). Anomalous levels for the major precious and base metals have been determined by statistical analysis of the results of the soil samples taken on the property during 1990. Anomalous levels have been set as background (median value), anomalous (median value plus one standard deviation) and highly anomalous (median value plus two standard deviations). Table 7.0.1 lists the anomalous levels for soil geochemistry on the Anuk River East Grid.

<table>
<thead>
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<th>Element</th>
<th>Background</th>
<th>Anomalous</th>
<th>Highly Anomalous</th>
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<tbody>
<tr>
<td>Gold</td>
<td>7.4 ppb</td>
<td>30 ppb</td>
<td>115 ppb</td>
</tr>
<tr>
<td>Silver</td>
<td>*</td>
<td>*</td>
<td>1 ppm</td>
</tr>
<tr>
<td>Copper</td>
<td>115 ppm</td>
<td>190 ppm</td>
<td>425 ppm</td>
</tr>
<tr>
<td>Lead</td>
<td>13 ppm</td>
<td>24 ppm</td>
<td>72 ppm</td>
</tr>
<tr>
<td>Zinc</td>
<td>100 ppm</td>
<td>125 ppm</td>
<td>290 ppm</td>
</tr>
<tr>
<td>Arsenic</td>
<td>14 ppm</td>
<td>27 ppm</td>
<td>54 ppm</td>
</tr>
</tbody>
</table>

* Levels could not be established because of the high detection limit (1 ppm) for silver, which was exceeded by only one sample.

A multi-element soil geochemical anomaly, consisting of anomalous to highly anomalous gold, copper, lead, zinc and arsenic, occupies the northeastern part of the Anuk River East Grid, covering an area of approximately 150 metres by 250 metres (Figure 9). The gold anomaly coincides with an area where altered diorite has intruded Stuhini Group volcanics (Figure 5). Samples of diorite float from this area, containing quartz-sulphide veinlets, returned values of up to 2.81 g/tonne (0.082 oz/ton) gold and 2.20% copper. The soil samples which returned the highest gold and copper values were mostly taken in close proximity to the locations of these diorite float samples and it is quite possible that this material is the source of the gold anomaly and has contributed to the copper anomaly.

The copper and other base metal anomalies extend further to
the east than the gold anomaly does, outside of the area where
diorite has been mapped, and it appears that a second source may
be contributing towards these anomalies. Rock sampling on the
property suggests that two generations of quartz-sulphide veins may
be present as samples from veinlets within diorite generally
returned high gold and copper values but low values for the other
base metals whereas samples taken from quartz veins within Stuhini
Group rocks generally returned elevated base metal values with very
low gold values. It is possible that the eastern part of the major
base metal anomaly and several smaller base metal anomalies in the
eastern part of the grid may be derived from quartz-sulphide
veining in Stuhini Group rocks but further prospecting in these
areas will be needed to verify this hypothesis.

Several grab samples were taken from northeast-trending
pyrite-sericite-altered fault zones on the property. These samples
returned slightly elevated values for lead and, in one case, copper
but otherwise low values for base and precious metals.

8.0 GEOPHYSICS

During the 1990 field program VLF-EM and magnetometer surveys
were conducted over the Anuk River East Grid. The results of these
surveys are summarized by Ballantyne and Visser (1990) in Appendix
G. A compilation map (Figure G4) shows the major geophysical
anomalies in the grid area. Labels have been given to these
anomalies.

Ballantyne and Visser (1990) suggest that a strong magnetic
anomaly (M1) in the northwestern part of the grid indicates the
presence of a magnetic rock unit. Propylitically-altered diorite
(Unit 13E) outcrops within the anomalous area (Figure 5). The
diorite, which has intruded Stuhini Group volcanic rocks (Unit 8),
may be the source of the anomaly. Coincident with the magnetic
anomaly is a weak VLF-EM anomaly (V1). A northeast-striking,
pyrite-sericite altered fault zone is exposed just east of the
anomalous area. It dips towards the northwest and it is possible
that anomaly V1 is a reflection of this structure. Anomalies M1
and V1 coincide with a gold soil geochemistry anomaly described in
section 7.0. This anomaly has been related to quartz-sulphide
veinlets within the diorite.

A strong, north-trending VLF-EM anomaly (V2) occurs in the
central part of the grid area. Two northeast-trending outcrops
occur in the area. The westernmost one consists of interbedded
andesitic tuff (Unit 8E) and augite porphyry (Unit 8D). Laminated
argillite outcrops about 50 metres to the east. The trend of the
anomaly is roughly parallel to the strike of bedding in these rocks
but the anomaly crosses between the two outcrops. The southern
part of the anomaly is weaker, trends northeasterly and has been
offset towards the west by a possible cross-structure. The cause
of anomaly V2 has yet to be determined. A weak magnetic anomaly (M2) parallels anomaly V2. This anomaly coincides with the laminated argillite outcrop. The argillite is pyritic and rusty-weathering and it is possible the anomaly may indicate the presence of other minerals, such as pyrrhotite.

In the eastern part of the grid a steep-faced outcrop of interbedded volcanics and sediments (Unit 8) protrudes from glacial till. Weak VLF-EM anomalies V3 and V4 appear to correspond to this till/rock transition.

9.0 DISCUSSION

Several samples of diorite float, containing quartz-sulphide veinlets, from the western part of the River East Grid returned high gold and copper values. The source of these samples appears to be diorite intrusions in this area and in the cliffs along the northern boundary of the property. A strong multi-element soil anomaly may be partially explained by veining within the diorite but may have additional sources as well. The results of geophysical surveys are consistent with the geology mapped over the grid but a strong VLF-EM anomaly in the central part of the grid remains unexplained. A limited amount of time has been spent on the Anuk River East Grid but the results have been encouraging. More work will be needed to locate the sources of anomalous float samples and soil geochemical anomalies.

Respectfully submitted,
EQUITY ENGINEERING LTD.

Robert Falls, Geologist

Vancouver, British Columbia
December, 1990
BIBLIOGRAPHY

Alaskan Geographic Society (1979): The Stikine River; V. 6, 94 pp.


Dobell and Spencer (1958): Revised Surface Geology, Ore Blocks and Proposed Exploration; Unpublished map at a scale of 1:2400 prepared for American Metal Climax Inc.


APPENDIX B

STATEMENT OF EXPENDITURES
STATEMENT OF EXPENDITURES  
PL 4-6 AND PUP 6 CLAIMS  
(June 15 - October 1, 1990)

PROFESSIONAL FEES AND WAGES:

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<td>Michael Blusson, Sampler</td>
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<td>Kyle Bachman, Sampler</td>
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$ 4,400.00

MOBILIZATION AND SUPPORT COSTS:

Pro rata according to man days on each of several properties operated out of the Galore Creek/Porcupine River Camps $ 3,589.64

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$ 3,435.10

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GEOPHYSICAL SUBCONTRACT

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18,190.32

MANAGEMENT FEE @ 15%

2,728.55

20,918.87

REPORT (estimated)

3,000.00

$23,918.87
## APPENDIX C

### ROCK DESCRIPTIONS

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<th>Description</th>
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<td>TT</td>
<td>Tetrahedrite</td>
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EQUITY ENGINEERING LTD.  ROCK SAMPLE DESCRIPTIONS

Property : Anuk River East  (KGG90-04)  
NTS : 104G/3W, 4E  
Date : 12/20/90  

Sample No. Location : 6338445 N Type : Float Alteration : NONE OBSERVED  
Elevation: 1140 m Sample Width : m Oxides : LI  
Orientation: / True Width : m Host : Unknown  
Comments : Quartz float containing 1-2mm wide pyrite stringers. At 5+00S, 2+04E on the Anuk River East Grid.

Sample No. Location : 6338455 N Type : Float Alteration : NONE OBSERVED  
Elevation: 1150 m Sample Width : m Oxides : LI  
Orientation: / True Width : m Host : Unknown  
Comments : Quartz float at 4+95S, 2+12E on the Anuk River East Grid.

Sample No. Location : 6338870 N Type : Float Alteration : NONE OBSERVED  
Elevation: 1050 m Sample Width : m Oxides : MC,LI  
Orientation: / True Width : m Host : Unknown  
Comments : Quartz float with coarse sulphide blebs at approximately 1+00S, 3+35W on the Anuk River East Grid.

Sample No. Location : 6338845 W Type : Grab Alteration : NONE OBSERVED  
Elevation: 1230.0 m Sample Width : 6.00 cm Oxides : LI  
Orientation: 187 / 48 W True Width : 5-10 cm Host : Andesitic tuff(?)  
Comments : Quartz vein.

Sample No. Location : 6338820 N Type : Grab Alteration : NONE OBSERVED  
Elevation: 1075.0 m Sample Width : 10.00 cm Oxides : LI  
Orientation: 145 / 18 W True Width : m Host : Sheared augite porphyry  
Comments : Shear zone along margin of outcrop.
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<th>Sample No.</th>
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<th>Type</th>
<th>Strike Length Exp.</th>
<th>Alteration</th>
<th>Sulphides</th>
<th>Oxides</th>
<th>Host</th>
<th>Comments</th>
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<tr>
<td>6338920</td>
<td>N</td>
<td>Float</td>
<td>1080 m</td>
<td>CL, MS, EP</td>
<td>&lt;1XPY</td>
<td>LI</td>
<td>Altered diorite?</td>
<td>0+50S, 3+00W on Anuk East grid. Location of anomalous soil sample, 330 ppb Au.</td>
</tr>
<tr>
<td>348145</td>
<td>E</td>
<td>Float</td>
<td>30.00 m</td>
<td>QZ&gt;CL&gt;EP</td>
<td>5XPY</td>
<td>GE=MN+MC</td>
<td>Diorite(?)</td>
<td>Sample taken from float on diorite outcrop. Quartz-(black)chlorite veinlets cutting chlorite-epidote altered diorite. Coarse chalcopyrite in fractures and clots. Pyrite disseminated and in clots.</td>
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<td>6338950</td>
<td>N</td>
<td>Float</td>
<td>1081.0 m</td>
<td>QZ&gt;&gt;CL</td>
<td>5XPY</td>
<td>GE, JA</td>
<td>None attached to float</td>
<td>White quartz with coarse silvery pyrite. About 70m at a bearing of 250 degrees from PL 6 legal corner post and 20m below (south of) cliff.</td>
</tr>
<tr>
<td>348205</td>
<td>E</td>
<td>Float</td>
<td>30.00 m</td>
<td>MS&gt;QZ</td>
<td>1XPY</td>
<td>MC=MN</td>
<td>Volcanic</td>
<td>Sericite schist with fine grained disseminated pyrite.</td>
</tr>
<tr>
<td>6338780</td>
<td>N</td>
<td>Grab</td>
<td>995.0 m</td>
<td>CL, EP</td>
<td>3XCP</td>
<td>MC=MN</td>
<td>Diorite plug</td>
<td>1% chalcopyrite disseminated along fractures. Best malachite is located above, in cliffs.</td>
</tr>
<tr>
<td>348185</td>
<td>E</td>
<td>Select</td>
<td>1150.0 m</td>
<td>CL, QZ</td>
<td>5XCP, 1XPY</td>
<td>AZ=MC=GE&gt;MN</td>
<td>Diorite</td>
<td>Four pieces of float near each other in talus below malachite-stained cliffs. Could not trace uphill. Chalcopyrite is in coarse clots and in irregular vuggy quartz veinlets cutting chloritized diorite.</td>
</tr>
<tr>
<td>6338970</td>
<td>N</td>
<td>Float</td>
<td>1000.0 m</td>
<td>CL, QZ</td>
<td>5XCP, 1XPY</td>
<td>AZ=MC=GE&gt;MN</td>
<td>Diorite</td>
<td>All samples from float on diorite outcrop. Quartz-(black)chlorite veinlets cutting chlorite-epidote altered diorite. Coarse chalcopyrite in fractures and clots. Pyrite disseminated and in clots.</td>
</tr>
<tr>
<td>Sample No.</td>
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<td>Alteration : MS&gt;SI, TRMR</td>
<td>Au</td>
<td>Ag</td>
<td>As</td>
<td>Cu</td>
<td>Pb</td>
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<tr>
<td>------------</td>
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<tr>
<td>39393</td>
<td>348 390 E</td>
<td>Strike Length Exp. : 20.00 m</td>
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<td>&lt;1</td>
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<td>640</td>
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<tr>
<td></td>
<td>1110.0 m</td>
<td>Sample Width : 3.00 m</td>
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<td>True Width : 3.00 m</td>
<td>Host : Volcanic</td>
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Comments: Sericite schist in creek gully. Fine-grained disseminated pyrite. Unweathered at sample locality. 5m west, sericite schist is weathered with goethite and jarosite present; not exposed to the east.

<table>
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<td>348 345 E</td>
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<td>130</td>
<td>28</td>
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<td></td>
<td>1092.0 m</td>
<td>Sample Width : 2.00 m</td>
<td>Oxides : GE</td>
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<tr>
<td></td>
<td>Orientation: 041 / 46 NW</td>
<td>True Width : 2.00 m</td>
<td>Host : Volcanic</td>
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<td></td>
<td></td>
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</table>

Comments: Sericite schist on northwest side of major gully which parallels foliation at 041/46NW. Fine grained disseminated pyrite, mostly weathered out.
APPENDIX D

CERTIFICATES OF ANALYSIS
CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Exploration Ltd.  
10th Floor, Box 10-808 West Hastings St.  
Vancouver, B. C.  
V6C 2X6

REPORT No.  
S9420

INVOICE #: 14517  
P.O.: R-2137

SAMPLE(S) OF: Rock

R. Falls  
Project: Anuk River KGG 90-04

REMARKS: Wrangell Samples - Equity Engineering

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COPIES TO: C. Idziszek, J. Foster  
INVOICE TO: Prime - Vancouver  
Aug 09/90

SIGNED ____________________________

For enquiries on this report, please contact Customer Service Department.  
Samples, Pulps and Rejects discarded two months from the date of this report.
CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM
Prime Explorations Ltd.
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No.
S9652

INVOICE #: 14912
P.O.: R-2253

SAMPLE(S) OF
Rock

R. Falls
Project: Anuk River

REMARKS: Wrangell Samples - Equity Engineering

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COPIES TO: C. Idziszek, J. Foster
INVOICE TO: Prime - Vancouver

Aug 25/90

SIGNED

For enquiries on this report, please contact Customer Service Department.
Samples, Pulps and Rejects discarded two months from the date of this report.
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DATE: AUG-25-1990
SIGNED: [Signature]
**Prime Exploration Ltd.**

10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6

ATTN: J. Foster  PROJECT: ANUK RIVER  EQUITY ENGINEERING LTD. R-2253  ALL RESULTS PPM

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**T.S.L. Report No.: S-9652-1**
**T.S.L. File No.: E:7748**
**T.S.L. Invoice No.: 15223**

DATE: SEP-05-1990  SIGNED: [Signature]

**Equity Engineering Ltd. R-2253**
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DATE: NOV-02-1990

SIGNED: [Signature]
CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Explorations Ltd.
Prime Capital Place
10th Floor-Box 10
808 West Hastings Street.
Vancouver, B.C. V6C 2X6

SAMPLE(S) OF Rock

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REMARKS: Equity Engineering KGG 90-04

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COPIES TO: J. Foster, P. Lougheed
INVOICE TO: Prime-Vancouver

Oct 31/90

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Samples, Pulps and Rejects discarded two months from the date of this report.
CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM
Prime Exploration Ltd.
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No.
S1782

INVOICE #: 16523

SAMPLE(S) OF Pulps

Project: Anuk River East

REMARKS: Equity Engineering

Cu %

39388 2.08
39391 1.13
39392 2.20

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INVOICE TO: Prime - Vancouver

Dec 07/90

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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Exploration Ltd.
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No.
S9587

SAMPLE(S) OF Soils

INVOICE #: 14794
P.O.: R-2216

Project: ANUK River East

REMARKS: Consolidated Gold West    P.O. KGG-9004

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COPIES TO: C. Idziszek, J. Foster
INVOICE TO: Prime - Vancouver

Sep 04/90

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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Exploration Ltd.
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

SAMPLE(S) OF Soils

Project: ANUK River East

REMARKS: Consolidated Gold West P.O. KGG-9004

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SAMPLE(S) FROM
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V6C 2X6

INVOICE #: 14794
P.O.: R-2216

SAMPLE(S) OF Soils

Project: ANUK River East

REMKS: Consolidated Gold West P.O. KGG-9004

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REPORT No.: S9587

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SAMPLE(S) OF: Soils

Project: ANUK River East

REMARKS: Consolidated Gold West  P.O. KGG-9004

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REPORT No.
S9587

SAMPLE(S) OF
Soils

INVOICE #:
14794
P.O.:
R-2216

REMARKS: Consolidated Gold West
P.O. KGG-9004

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Project: ANUK River East

REMARKS: Consolidated Gold West

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REPORT No. S9587

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P.O.: R-2216

Project: ANUK River East

REMARKS: Consolidated Gold West P.O. KGG-9004

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Project: ANUK River East

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Project: ANUK River East

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**I.C.A.P. PLASMA SCAN**

**Aqua-Regia Digestion**

**PRIME EXPLORATION LTD.**
10th Floor Box 10
800 West Hastings St.
V6C 2X6
ATTN: J. FOSTER

**PROJECT: AKUK RIVER EAST EQUITY ENGINEERING**

**T.S.L. REPORT No.: S - 9687 - 1**
**T.S.L. File No.: E:MT688**
**T.S.L. Invoice No.: 15049**

**RESULTS**

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### T.S.L. Laboratories

2-302-48th Street, Saskatoon, Saskatchewan S7K 6A4

TelephoneNumber: (306) 931-1033
FaxNumber: (306) 242-4717

I.C.A.P. Plasma Scan

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6

ATTN: J. Foster
PROJECT: ANUK RIVER EAST
EQUITY ENGINEERING

T.S.L. Report No.: S-9587-3
T.S.L. File No.: E748768
T.S.L. Invoice No.: 15049

DATE: Aug-30-1990

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**SIGNED:** Denis Fitzgerald
T S L  LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN  S7K 6A4
TELEPHONE #: (306) 931-1033
FAX #: (306) 242-4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

T.S.L.  REPORT No.:  S -  9587 - 4
T.S.L.  FILE No.:  EM768B
T.S.L.  INVOICE No.:  15049

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6

ATTN: J. FOSTER  PROJECT: ANUK RIVER EAST  EQUITY ENGINEERING  R-2216  ALL RESULTS PPM

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DATE: AUG-30-1990

SIGNED: signature
### I.C.A.F. PLASMA SCAN

**Aquas-Regia Digestion**

**Prime Exploration Ltd.**

10th Floor Box 10

809 West Hastings St.

Vancouver B.C. V6C 2X6

**Attention: J. Foster**

** проект: Amuk River East**

**equity engineering R-2216**

**All Results ppm**

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**Date:** Aug-30-1990

**Signed:** [Signature]
# I.C.A.P. Plasma Scan

**Aqua-Regia Digestion**

**Prime Exploration Ltd.**
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6

**ATTN:** J. Foster  
**PROJECT:** ANUK RIVER EAST  
**EQUITY ENGINEERING** R-2216  
**ALL RESULTS PPM**

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**SIGNED:** [Signature]

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**T.S.L. Laboratories**  
2-302-48th Street, Saskatoon, Saskatchewan S7K 6A4  
**Telephone:** (306) 931-1033  
**Fax:** (306) 242-4717  
**I.C.A.P. Plasma Scan**  
**Aqua-Regia Digestion**  
**Prime Exploration Ltd.**  
10th Floor Box 10  
808 West Hastings St.  
Vancouver B.C. V6C 2X6  
**ATTN:** J. Foster  
**PROJECT:** ANUK RIVER EAST  
**EQUITY ENGINEERING** R-2216  
**ALL RESULTS PPM**  
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DATE: AUG-30-1990

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## I.C.A.P. Plasma Scan

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DATE: Aug-30-1990

SIGNED: [Signature]
### T.S.L. LABORATORIES

2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4  
TELEPHONE #: (306) 931 - 1033  
FAX #: (306) 242 - 4717

### I.C.A.P. PLASMA SCAN

**Aqua-Regia Digestion**

PRIME EXPLORATION LTD.  
10th Floor Box 10  
808 West Hastings St.  
Vancouver B.C. V6C 2X6  
ATTN: J. FOSTER  
PROJECT: ANUK RIVER EAST  
EQUITY ENGINEERING  
R-2216  
ALL RESULTS PPM

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T.S.L. File No.: ExM7688  
T.S.L. Invoice No.: 15049

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UTT4HERS:
**I.C.A.P. PLASMA SCAN**

**Aqua-Regia Digestion**

**PRIME EXPLORATION LTD.**
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6

**ATTN: J. FOSTER**

**PROJECT: ANUK RIVER EAST EQUITY ENGINEERING**

**R-2216**

**ALL RESULTS PPM**

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**SIGNED:** [Signature]

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**T.S.L. File No.: E:768B**
**T.S.L. Invoice No.: 15049**
T S L  LABORATORIES  
2-302-48TH STREET, SASKATOON, SASKATCHEWAN  S7K 6A4  
TELEPHONE #: (306) 931 - 1033  
FAX #: (306) 242 - 4717

I.C.A.P.  PLASMA SCAN  
Aqua-Regia Digestion

PRIME EXPLORATION LTD.  
10th Floor Box 10  
808 West Hastings St.  
Vancouver B.C. V6C 2X6

ATTN: J. FOSTER  
PROJECT: ANUK RIVER EAST  
EQUITY ENGINEERING  
R-2116  
ALL RESULTS PPM

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T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1073
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN
Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2K6

ATTN: J. FOSTER PROJECT: ANUK RIVER EAST EQUITY ENGINEERING LTD. R-2216 ALL RESULTS PPM

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DATE: AUG-30-1990

SIGNED: [Signature]
### I.C.A.P. Plasma Scan

**Aqua-Regia Digestion**

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**DATE:** AUG-30-1990  
**SIGNED:** [Signature]

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**ATTN:** J. Foster  
**PROJECT:** ANUK RIVER EAST  
**EQUITY ENGINEERING LTD.** R-2216  
**ALL RESULTS PPM**
**T.S.L. LABORATORIES**

2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4

TELEPHONE #: (306) 931 - 1033

FAX #: (306) 242 - 4717

---

**I.C.A.P. PLASMA SCAN**

**Aqua-Regia Digestion**

PRIME EXPLORATION LTD.

10th Floor Box 10

808 West Hastings St.

Vancouver B.C. V6C 2X6

ATTN: J. FOSTER PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216 ALL RESULTS PPM

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</tr>
<tr>
<td>Tungsten [W]</td>
<td>&lt; 10</td>
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<td>&lt; 10</td>
</tr>
<tr>
<td>Niobium [Nb]</td>
<td>&lt; 10</td>
<td>&lt; 10</td>
<td>&lt; 10</td>
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<tr>
<td>Thorium [Th]</td>
<td>20</td>
<td>40</td>
<td>50</td>
</tr>
<tr>
<td>Arsenic [As]</td>
<td>&lt; 5</td>
<td>35</td>
<td>25</td>
</tr>
<tr>
<td>Bismuth [Bi]</td>
<td>&lt; 5</td>
<td>5</td>
<td>&lt; 5</td>
</tr>
<tr>
<td>Tin [Sn]</td>
<td>&lt; 10</td>
<td>&lt; 10</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>Lithium [Li]</td>
<td>&lt; 15</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>Holmium [Ho]</td>
<td>&lt; 10</td>
<td>&lt; 10</td>
<td>&lt; 10</td>
</tr>
</tbody>
</table>

DATE: AUG-30-1990

SIGNED: [Signature]
APPENDIX E

LOG PROBABILITY PLOTS
FOR SOIL GEOCHEMISTRY
CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT
ANUK RIVER EAST GRID
Gold (Au) in Soils
N = 179

EQUITY ENGINEERING LTD.

DATE: December 1980
MINING DIVISION: 105 G/SW4E
PREPARED BY: GEORGE DAWSON LTD.

ELEMENT CONCENTRATION

CUMULATIVE PERCENT

10,000 ppm
1,000 ppm
100 ppm
10 ppm
7.4
30
115

2.3 16.6 50
ANUK RIVER EAST PROJECT
ANUK RIVER EAST GRID
Copper (Cu) in Soils
N = 179

EQUITY ENGINEERING LTD.

Date: December 1990
N.T.S. 104 G/3W.4E
Mining Division LIAO
Figure:

CONSOLIDATED GOLDWEST RESOURCES LTD.

10,000 ppm

1000 ppm

100 ppm

10 ppm

ELEMENT CONCENTRATION

CUMULATIVE PERCENT

2.3 16.6 50
ANUK RIVER EAST PROJECT
ANUK RIVER EAST GRID
Arsenic (As) in Soils
N = 179

EQUITY ENGINEERING LTD.

Date: December 30
N.I.S. 104 G/764E
Mineral Division Figure:
LIARD

Prepared by: Combined Data Services Ltd.
APPENDIX F

STATEMENT OF QUALIFICATIONS
STATEMENT OF QUALIFICATIONS

I, ROBERT B. FALLS, of 103-2181 Panorama Drive, North Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geologist with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.

2. THAT I am a graduate of the University of Toronto with a Bachelor of Science degree in Geology, 1982.

3. THAT my primary employment since 1987 has been in the field of mineral exploration.

4. THAT this report is based on fieldwork carried out under my direction and on assessment reports filed with the province of British Columbia.

5. THAT I have no interest in the property described herein, nor in securities of any company associated with the property, nor do I expect to acquire any such interest.

DATED at Vancouver, British Columbia, this 31st day of December, 1990.

Robert Falls, Geologist
APPENDIX G

GEOPHYSICAL REPORT
MAGNETOMETER AND VLF-EM SURVEY ON THE ANUK RIVER EAST PROJECT FOR EQUITY ENGINEERING LTD. AND CONSOLIDATED GOLDWEST RESOURCES LTD. SURVEY BY SJ GEOPHYSICS LTD.

LIARD, M.D., B.C. N.T.S. 104G/4E

DECEMBER 1990 Report By Todd Ballantyne Syd Visser SJ GEOPHYSICS Ltd.
INTRODUCTION

A magnetometer and VLF-EM survey was completed by SJ Geophysics Ltd., for Consolidated Goldwest Resources Ltd., at the request of Equity Engineering Ltd., on the Anuk River East Project. The Anuk River East Project is located in the Anuk River Area, B.C., in the Liard, M.D. (N.T.S. 104G/4E).

The purpose of the survey was to search for massive sulphides, to aid in the location of shear zones which may have associated mineralization, and to aid in the mapping of local geology.

INSTRUMENTATION AND FIELD WORK

The field work was performed by Todd Ballantyne (Geophysicist) during the period of August 5 to 10, 1990 which includes 2 production days. A total of 7.15 Km, with stations every 12.5m along mainly flagged lines, were surveyed by magnetometer and VLF-EM.

An EDA OMNI PLUS combined proton precession magnetometer and VLF-EM system was used for data acquisition and an EDA OMNI IV proton precession magnetometer was used as a base station. The VLF-EM survey used signals from Jim Creek (Seattle, 24.8 KHz, NLK) and Hawaii (23.4 KHz, NPM). The direction of the VLF-EM survey is positive north and positive east.

All the data was entered into a field computer in the evening and field plots generated on a dot matrix printer. The data was later plotted on mylar, using a 36 inch pen plotter.
DATA PRESENTATION

The Magnetic data, VLF-EM data, filtered VLF-EM data (using a standard four point Fraser filter), and compilation of the magnetic and VLF-EM data are presented on the following figures:

G1A  Magnetics Contours
     Total Field

G2A  VLF-EM Profiles NPM
     Dip Angle, Quadrature

G2B  VLF-EM Contours NPM
     Fraser Filter Dip Angle

G3A  VLF-EM Profiles NLK
     Dip Angle, Quadrature & Slope

G3B  VLF-EM Contours NLK
     Fraser Filtered Dip Angle

G4  Magnetic and 2 VLF-EM Surveys
    Compilation Map

INTERPRETATION

The magnetic data outlines a magnetic rock unit in the north west corner of the grid as shown on the compilation map Plate G4. This contact is confirmed by a very weak VLF-EM anomaly. The only other weak magnetic anomaly is located at approximately 175E on line 100S and possibly continues to line 200S. These weak anomalies do not correlate to any VLF-EM anomalies and are likely very local features.

The main VLF-EM anomaly, marked as V2 on the compilation map Plate G4, appears to be a conductive zone with a width of approximately 50m, as outlined by the two conductor axis. This is a very difficult anomaly to interpret because of the effect of local topography and the relative shallow dipping rocks. This anomaly may be interpreted as a narrow shallow dipping conductor with the axis of the conductor somewhere between the two axis, shown
on the compilation map. This anomaly appears to be offset on line 200S south of which the anomaly appears much weaker. This anomaly should be closely correlated to any known geology and geochemistry to determine its significance.

The remainder weak VLF-EM anomalies V3 and V4 are likely due to geological contacts.

CONCLUSION

The magnetic data outlines a magnetic rock unit in the north western part of the grid and a local magnetic anomaly in the central part of the grid.

The VLF-EM indicates a conductive unit, striking across the central part of the grid, which may be of interest and should be examined further and a number of weak anomalies which are likely geological contacts.

Todd A. Ballantyne, B.Sc.,
Geophysicist

Syd J. Visser, B.SC, F.G.A.C
Geophysicist
APPENDIX I
STATEMENT OF QUALIFICATIONS

I, Syd J. Visser, of 11762 - 94th Avenue, Delta, British Columbia, hereby certify that,

1) I am a graduate from the University of British Columbia, 1981, where I obtained a B.Sc. (Hon.) Degree in Geology and Geophysics.

2) I am a graduate from Haileybury School of Mines, 1971.

3) I have been engaged in mining exploration since 1968.

4) I am Fellow of the Geological Association of Canada.

5) I directly and indirectly do not own shares of Consolidated Goldwest Resources Ltd.. I have no interest, directly or indirectly, in the securities or property of Consolidated Goldwest Resources Ltd. or any of its affiliates.

6) I consent to the use by Consolidated Goldwest Resources Ltd. of this report in a Prospectus or any other such document as may be required by the Vancouver Stock Exchange or the office of the Superintendent of Brokers.

Dated at Delta, British Columbia, this 24 day of December 1990.

Syd J. Visser, B.Sc., F.G.A.C.
Geophysicist
STATEMENT OF QUALIFICATIONS

I, Todd A. Ballantyne, of 3721 West 31st Avenue, Vancouver, British Columbia, hereby certify that,

1) I am a graduate from the University of British Columbia, 1988, where I obtained a B.Sc. Degree in Geophysics.

2) I have been engaged in mining exploration since 1987.

3) I directly and indirectly do not own shares of Consolidated Goldwest Resources Ltd.. I have no interest, directly or indirectly, in the securities or property of Consolidated Goldwest Resources Ltd. or any of its affiliates.

4) I consent to the use by Consolidated Goldwest Resources Ltd. of this report in a Prospectus or any other such document as may be required by the Vancouver Stock Exchange or the office of the Superintendent of Brokers.

Dated at Delta, British Columbia, this 24th day of December 1990.

Todd A. Ballantyne, B.Sc.
Geophysicist
LEGEND

VLF-EM ANOMALY

STRONG

WEAK

MAGNETIC ANOMALY SHOWING WIDTH

HIGH

LOW

POSSIBLE CROSS-STRUCTURES

20,774

CONSOLIDATED GOLDFIELD RESOURCES LTD.

ANUK RIVER EAST PROJECT

ANUK EAST GRID

MAGNETOMETER & VLF-EM SURVEY

COMPILATION MAP

LIARD, M.D. N.T.S 104 G/4

SCALE 1:1,000

AUGUST 1980

PLATE G4
CONSORTIUM GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT
ANUK RIVER EAST GRID
Silver / Arsenic in Soils

BRITISH COLUMBIA

Date: DECEMBER 1990
N.T.S. 104G / 10K-4E
Mining Division: LIARD
Figure: 7

Prepared By: CAMIRA DATA SERVICES LTD.
GEOLOGICAL BRANCH ASSESSMENT REPORT

CONSOLIDATED GOLDWEST RESOURCES LTD.
ANUK RIVER EAST PROJECT
ANUK RIVER EAST GRID
Lead / Zinc in Soils

SCALE: 1:2000

CONSOLIDATED GOLDWEST RESOURCES LTD.
ANUK RIVER EAST PROJECT
ANUK RIVER EAST GRID
Lead / Zinc in Soils

BRITISH COLUMBIA
EQUITY ENGINEERING LTD.

Prepared by: CAMARA GM & ASSOCIATES LTD.

Date: DECEMBER 90
N.T.S. 104 G/114-4C
Mining Division: LIARD
Figure: 8